

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:	Q3001	OrderDate:	9/2/2025 1:16:00 PM
Client:	Earth Engineering Inc.	Project:	Meetinghouse
Contact:	Frank Dougherty, LSRP	Location:	J32

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3001-01	S-1	Solid	EPH_NF	NJEPH	08/29/25	09/03/25	09/03/25	09/02/25
Q3001-02	S-2	Solid	EPH_NF	NJEPH	08/29/25	09/03/25	09/03/25	09/02/25
Q3001-03	S-3	Solid	EPH_NF	NJEPH	08/29/25	09/03/25	09/03/25	09/02/25
Q3001-04	S-4	Solid	EPH_NF	NJEPH	08/29/25	09/03/25	09/03/25	09/02/25
Q3001-05	S-5	Solid	EPH_NF	NJEPH	08/29/25	09/03/25	09/03/25	09/02/25
Q3001-06	S-6	Solid	EPH_NF	NJEPH	08/29/25	09/03/25	09/03/25	09/02/25
Q3001-06DL	S-6DL	Solid	EPH_NF	NJEPH	08/29/25	09/03/25	09/04/25	09/02/25



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: EARTH03
Lab Code: ACE SDG No.: Q3001
Run Number: FE090325AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB169516BL	74	72		0
PB169516BS	62	60		0
PB169516BSD	62	59		0
S-1	88	84		0
S-1MS	79	73		0
S-1MSD	78	73		0
S-2	85	80		0
S-3	82	77		0
S-4	71	65		0
S-5	72	67		0
S-6	72	65		0

QC LIMITS

1-chlorooctadecane (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: EARTH03
 Lab Code: ACE SDG No.: Q3001
 Run Number: FE090425AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)	TOT OUT
S-6DL	67	65	0

QC LIMITS

1-chlorooctadecane (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

QC LIMITS

1-chlorooctadecane (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

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Earth Engineering Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3001</u>
Sample No :	<u>Q3001-01MS</u>	Datafile:	<u>FE055644.D</u>
		Client ID :	<u>S-1MS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	31.9	5.98	57.1	160	*	(40-140)
Aliphatic C9-C28	106.4	2.08	142	132		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	3.5	0.0117	3.2789	93		(40-140)
n-Decane (C10)	3.5	0.0104	7.7266	220	*	(40-140)
Naphthalene (C11.7)	3.5	0.0188	4.1488	118		(40-140)
n-Dodecane (C12)	3.5	0.0000	4.0715	116		(40-140)
2-methylnaphthalene (C12.89)	3.5	0.0076	4.2372	121		(40-140)
n-Tetradecane (C14)	3.5	0.0233	4.6252	131		(40-140)
n-Hexadecane (C16)	3.5	0.0175	5.0440	144	*	(40-140)
n-Octadecane (C18)	3.5	0.0153	5.0396	144	*	(40-140)
n-Eicosane (C20)	3.5	0.0121	5.3764	153	*	(40-140)
n-Heneicosane (C21)	3.5	0.0201	5.2949	151	*	(40-140)
n-Docosane (C22)	3.5	0.0159	5.2463	149	*	(40-140)
n-Tetracosane (C24)	7.1	0.0876	16.4352	230	*	(40-140)
n-Hexacosane (C26)	3.5	0.0221	5.1539	147	*	(40-140)
n-Octacosane (C28)	3.5	0.0553	5.2763	149	*	(40-140)
n-Tricontane (C30)	3.5	0.0884	5.0346	141	*	(40-140)
n-Dotriacontane (C32)	3.5	0.1225	5.5146	154	*	(40-140)
n-Tetratriacontane (C34)	3.5	0.2356	5.7822	158	*	(40-140)
n-Hexatriacontane (C36)	3.5	0.2656	6.3738	175	*	(40-140)
n-Octatriacontane (C38)	3.5	0.3587	6.7100	181	*	(40-140)
n-Tetracontane (C40)	3.5	0.1003	6.3863	180	*	(40-140)

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Earth Engineering Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3001</u>
Sample No :	<u>Q3001-01MSD</u>	Datafile:	<u>FE055645.D</u>
		Client ID :	<u>S-1MSD</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 C28-C40	31.9	5.98	58.0	163	*	1.86 (40-140)	50
Aliphatic C9-C28	106.4	2.08	140	130		1.3 (40-140)	50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
n-Nonane (C9)	3.5	0.0117	3.2165	92		1.08 (40-140)	50
n-Decane (C10)	3.5	0.0104	7.5916	217	*	1.37 (40-140)	50
Naphthalene (C11.7)	3.5	0.0188	4.0818	116		1.71 (40-140)	50
n-Dodecane (C12)	3.5	0.0000	3.9965	114		1.74 (40-140)	50
2-methylnaphthalene (C12.89)	3.5	0.0076	4.1665	119		1.67 (40-140)	50
n-Tetradecane (C14)	3.5	0.0233	4.5431	129		1.54 (40-140)	50
n-Hexadecane (C16)	3.5	0.0175	4.9559	141	*	2.11 (40-140)	50
n-Octadecane (C18)	3.5	0.0153	4.9601	141	*	2.11 (40-140)	50
n-Eicosane (C20)	3.5	0.0121	5.2994	151	*	1.32 (40-140)	50
n-Heneicosane (C21)	3.5	0.0201	5.2139	148	*	2.01 (40-140)	50
n-Docosane (C22)	3.5	0.0159	5.1785	148	*	0.67 (40-140)	50
n-Tetracosane (C24)	7.1	0.0876	16.3682	229	*	0.44 (40-140)	50
n-Hexacosane (C26)	3.5	0.0221	5.0948	145	*	1.37 (40-140)	50
n-Octacosane (C28)	3.5	0.0553	5.2293	148	*	0.67 (40-140)	50
n-Tricontane (C30)	3.5	0.0884	4.9873	140		0.71 (40-140)	50
n-Dotriacontane (C32)	3.5	0.1225	5.4326	152	*	1.31 (40-140)	50
n-Tetratriacontane (C34)	3.5	0.2356	5.7723	158	*	0 (40-140)	50
n-Hexatriacontane (C36)	3.5	0.2656	6.2974	172	*	1.73 (40-140)	50
n-Octatriacontane (C38)	3.5	0.3587	6.7161	182	*	0.55 (40-140)	50
n-Tetracontane (C40)	3.5	0.1003	6.2968	177	*	1.68 (40-140)	50

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Earth Engineering Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3001</u>
Sample No :	<u>PB169516BS</u>	Datafile:	<u>FE055640.D</u>
		Client ID :	<u>PB169516BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	30.0	26.3	88		(40-140)
Aliphatic C9-C28	99.9	77.2	77		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	2.36965	72		(40-140)
n-Decane (C10)	3.3	2.52499	77		(40-140)
Naphthalene (C11.7)	3.3	2.74815	83		(40-140)
n-Dodecane (C12)	3.3	2.64556	80		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.66771	81		(40-140)
n-Tetradecane (C14)	3.3	2.68624	81		(40-140)
n-Hexadecane (C16)	3.3	2.67360	81		(40-140)
n-Octadecane (C18)	3.3	2.61990	79		(40-140)
n-Eicosane (C20)	3.3	2.79324	85		(40-140)
n-Heneicosane (C21)	3.3	2.74300	83		(40-140)
n-Docosane (C22)	3.3	2.72860	83		(40-140)
n-Tetracosane (C24)	6.7	5.67597	85		(40-140)
n-Hexacosane (C26)	3.3	2.69804	82		(40-140)
n-Octacosane (C28)	3.3	2.69659	82		(40-140)
n-Tricontane (C30)	3.3	2.65025	80		(40-140)
n-Dotriacontane (C32)	3.3	2.71268	82		(40-140)
n-Tetratriacontane (C34)	3.3	2.94951	89		(40-140)
n-Hexatriacontane (C36)	3.3	3.20957	97		(40-140)
n-Octatriacontane (C38)	3.3	3.38547	103		(40-140)
n-Tetracontane (C40)	3.3	3.32772	101		(40-140)

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Earth Engineering Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3001</u>
Sample No :	<u>PB169516BSD</u>	Datafile:	<u>FE055641.D</u>
		Client ID :	<u>PB169516BSD</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aliphatic C28-C40	30.0	26.8	89		1.8 (40-140)	25
Aliphatic C9-C28	100.1	76.8	77		0.604 (40-140)	25

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS(%)	QC Limit Of RPD
n-Nonane (C9)	3.3	2.35441	71		1.4 (40-140)	25
n-Decane (C10)	3.3	2.50751	76		1.31 (40-140)	25
Naphthalene (C11.7)	3.3	2.73031	83		0 (40-140)	25
n-Dodecane (C12)	3.3	2.62217	79		1.26 (40-140)	25
2-methylnaphthalene (C12.89)	3.3	2.64616	80		1.24 (40-140)	25
n-Tetradecane (C14)	3.3	2.66047	81		0 (40-140)	25
n-Hexadecane (C16)	3.3	2.64722	80		1.24 (40-140)	25
n-Octadecane (C18)	3.3	2.59561	79		0 (40-140)	25
n-Eicosane (C20)	3.3	2.76731	84		1.18 (40-140)	25
n-Heneicosane (C21)	3.3	2.71692	82		1.21 (40-140)	25
n-Docosane (C22)	3.3	2.70250	82		1.21 (40-140)	25
n-Tetracosane (C24)	6.7	5.63793	84		1.18 (40-140)	25
n-Hexacosane (C26)	3.3	2.66558	81		1.23 (40-140)	25
n-Octacosane (C28)	3.3	2.67729	81		1.23 (40-140)	25
n-Tricontane (C30)	3.3	2.61798	79		1.26 (40-140)	25
n-Dotriacontane (C32)	3.3	2.66173	81		1.23 (40-140)	25
n-Tetratriacontane (C34)	3.3	2.94359	89		0 (40-140)	25
n-Hexatriacontane (C36)	3.3	3.15808	96		1.04 (40-140)	25
n-Octatriacontane (C38)	3.3	3.34521	101		1.96 (40-140)	25
n-Tetracontane (C40)	3.3	3.32325	101		0 (40-140)	25

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB169516BL

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q3001

Instrument ID: FID_E

Lab Sample ID: PB169516BL

Matrix: (soil/water) Solid

Date Extracted: 9/3/2025 8:39:00 AM

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB169516BS	PB169516BS
PB169516BSD	PB169516BSD
S-1	Q3001-01
S-1MS	Q3001-01MS
S-1MSD	Q3001-01MSD
S-2	Q3001-02
S-3	Q3001-03
S-4	Q3001-04
S-5	Q3001-05
S-6	Q3001-06

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-1	SDG No.:	Q3001
Lab Sample ID:	Q3001-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:00	09/03/25 16:57	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.98		1	1.26	2.13	mg/kg	FE055642.D
Aliphatic C9-C28	Aliphatic C9-C28	2.08	J	1	0.97	4.27	mg/kg	FE055642.D
Total AliphaticEPH	Total AliphaticEPH	8.06			2.23	6.40	mg/kg	
Total EPH	Total EPH	8.06			2.23	6.40	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-1	SDG No.:	Q3001
Lab Sample ID:	Q3001-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055642.D	1	09/03/25	09/03/25	PB169516

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.08	J	0.97	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.98		1.26	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.0		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.0		40 - 140	84%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3001-01	Acq On:	03 Sep 2025 16:57
Client Sample ID:	S-1	Operator:	YP\AJ
Data file:	FE055642.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	790813	6.159	300	ug/ml
Aliphatic C12-C16	6.949	10.401	1078081	7.98	200	ug/ml
Aliphatic C16-C21	10.402	13.781	884444	6.133	300	ug/ml
Aliphatic C21-C28	13.782	17.452	1297412	9.058	400	ug/ml
Aliphatic C28-C40	17.453	22.470	11583254	84.107	600	ug/ml
Aliphatic EPH	3.314	22.470	15634004	113.437		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	6894621	41.97		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	5507886	44.05		ug/ml
Aliphatic C9-C28	3.314	17.452	4050750	29.33	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
 Data File : FE055642.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 16:57
 Operator : YP\AJ
 Sample : Q3001-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 S-1

Integration File: autoint1.e
 Quant Time: Sep 04 05:12:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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	6894621	41.968 ug/ml
Spiked Amount 50.000		Recovery =	83.94%
12) S 1-chlorooctadecane (S...	13.513	5507886	44.047 ug/ml
Spiked Amount 50.000		Recovery =	88.09%

Target Compounds

(f)=RT Delta > 1/2 Window

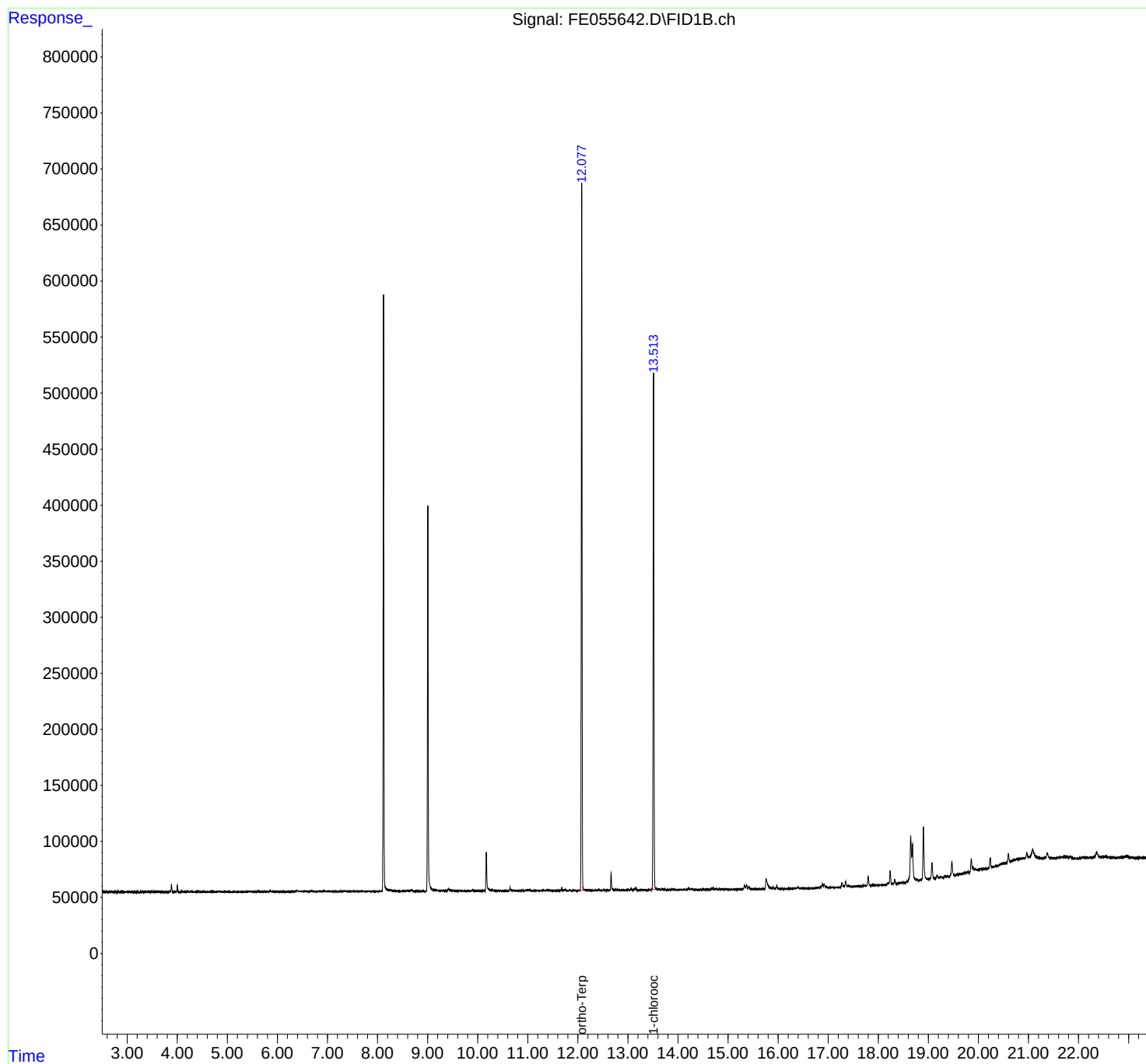
(m)=manual int.

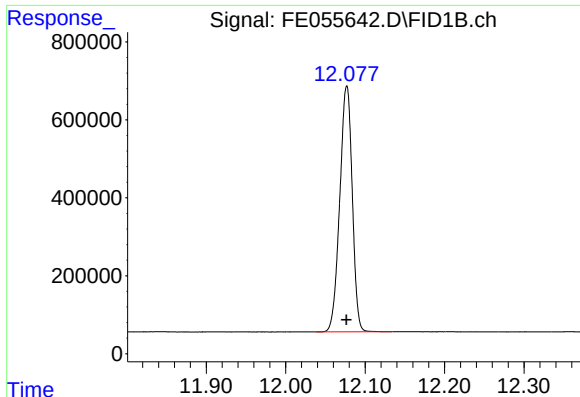
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
Data File : FE055642.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 16:57
Operator : YP\AJ
Sample : Q3001-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-1

Integration File: autoint1.e
Quant Time: Sep 04 05:12:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

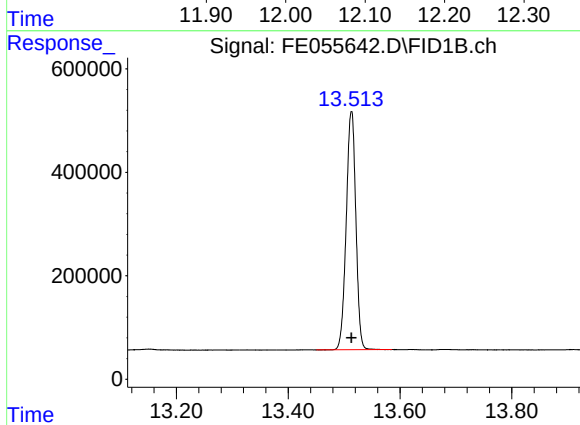




#9 ortho-Terphenyl (SURR)

R.T.: 12.077 min
Delta R.T.: 0.000 min
Response: 6894621
Conc: 41.97 ug/ml

Instrument :
FID_E
ClientSampleId :
S-1



#12 1-chlorooctadecane (SURR)

R.T.: 13.513 min
Delta R.T.: 0.000 min
Response: 5507886
Conc: 44.05 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
Data File : FE055642.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 16:57
Sample : Q3001-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.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	2.836	2.804	2.878	BV	364	5949	0.09%	0.021%
2	2.898	2.878	2.962	PV	148	5793	0.08%	0.021%
3	2.968	2.962	2.991	VV	158	1637	0.02%	0.006%
4	2.993	2.991	3.015	VV	148	1270	0.02%	0.005%
5	3.029	3.015	3.041	VV	173	1830	0.03%	0.006%
6	3.051	3.041	3.071	VV	170	1756	0.03%	0.006%
7	3.095	3.071	3.127	VV	199	4279	0.06%	0.015%
8	3.148	3.127	3.165	VV	231	3697	0.05%	0.013%
9	3.177	3.165	3.249	VV	209	7022	0.10%	0.025%
10	3.268	3.249	3.284	PV	366	5025	0.07%	0.018%
11	3.292	3.284	3.355	VV	453	13200	0.19%	0.047%
12	3.365	3.355	3.378	VV	288	3225	0.05%	0.011%
13	3.382	3.378	3.388	VV	284	1365	0.02%	0.005%
14	3.412	3.388	3.441	VV	488	9619	0.14%	0.034%
15	3.447	3.441	3.493	VV	265	6760	0.10%	0.024%
16	3.542	3.493	3.554	VV	321	8937	0.13%	0.032%
17	3.595	3.554	3.625	VV	476	12637	0.18%	0.045%
18	3.644	3.625	3.678	VV	313	8589	0.12%	0.030%
19	3.695	3.678	3.715	VV	342	6307	0.09%	0.022%
20	3.724	3.715	3.758	VV	359	6724	0.10%	0.024%
21	3.773	3.758	3.821	VV	354	10687	0.15%	0.038%
22	3.849	3.821	3.863	VV	707	11492	0.17%	0.041%
23	3.884	3.863	3.928	VV	7043	74679	1.08%	0.265%
24	4.001	3.928	4.053	VV	6121	73900	1.07%	0.262%
25	4.102	4.053	4.117	PV	514	13720	0.20%	0.049%
26	4.127	4.117	4.168	VV	450	11310	0.16%	0.040%
27	4.176	4.168	4.188	VV	345	3946	0.06%	0.014%
28	4.206	4.188	4.246	VV	971	20200	0.29%	0.072%
29	4.261	4.246	4.303	VV	561	15601	0.22%	0.055%
30	4.318	4.303	4.364	VV	452	13449	0.19%	0.048%
31	4.412	4.364	4.431	VV	493	15567	0.22%	0.055%
32	4.440	4.431	4.498	VV	475	14182	0.20%	0.050%
33	4.515	4.498	4.539	VV	402	8246	0.12%	0.029%
34	4.557	4.539	4.601	VV	397	12270	0.18%	0.044%
35	4.613	4.601	4.637	VV	400	6843	0.10%	0.024%
36	4.671	4.637	4.724	VV	561	18818	0.27%	0.067%

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37	4.731	4.724	4.738	VV	310	2371	0.03%	0.008%
38	4.745	4.738	4.755	VV	339	3071	0.04%	0.011%
39	4.792	4.755	4.811	VV	362	9600	0.14%	0.034%
40	4.841	4.811	4.943	VV	672	25955	0.37%	0.092%
41	4.958	4.943	4.996	VV	322	8646	0.12%	0.031%
42	5.013	4.996	5.031	VV	313	5664	0.08%	0.020%
43	5.050	5.031	5.085	VV	338	8593	0.12%	0.030%
44	5.099	5.085	5.132	VV	310	7379	0.11%	0.026%
45	5.144	5.132	5.178	VV	263	6560	0.09%	0.023%
46	5.184	5.178	5.239	VV	220	6814	0.10%	0.024%
47	5.248	5.239	5.271	VV	269	4360	0.06%	0.015%
48	5.330	5.271	5.358	VV	382	13520	0.19%	0.048%
49	5.396	5.358	5.458	VV	339	16384	0.24%	0.058%
50	5.474	5.458	5.484	VV	321	3916	0.06%	0.014%
51	5.492	5.484	5.580	VV	299	12793	0.18%	0.045%
52	5.619	5.580	5.758	VV	832	27920	0.40%	0.099%
53	5.768	5.758	5.784	VV	190	2424	0.03%	0.009%
54	5.813	5.784	5.831	VV	305	6181	0.09%	0.022%
55	5.853	5.831	5.921	VV	1102	25066	0.36%	0.089%
56	5.934	5.921	5.945	VV	292	3503	0.05%	0.012%
57	5.953	5.945	5.981	VV	316	4052	0.06%	0.014%
58	5.994	5.981	6.024	VV	220	4491	0.06%	0.016%
59	6.036	6.024	6.042	VV	189	1518	0.02%	0.005%
60	6.059	6.042	6.110	VV	278	6982	0.10%	0.025%
61	6.136	6.110	6.164	VV	341	6417	0.09%	0.023%
62	6.185	6.164	6.202	PV	325	5239	0.08%	0.019%
63	6.209	6.202	6.228	VV	219	2685	0.04%	0.010%
64	6.242	6.228	6.268	VV	213	4676	0.07%	0.017%
65	6.285	6.268	6.294	VV	248	3463	0.05%	0.012%
66	6.328	6.294	6.337	VV	273	5726	0.08%	0.020%
67	6.391	6.337	6.460	VV	1404	38337	0.55%	0.136%
68	6.495	6.460	6.533	VV	418	14320	0.21%	0.051%
69	6.553	6.533	6.581	VV	703	11982	0.17%	0.043%
70	6.595	6.581	6.611	VV	370	5321	0.08%	0.019%
71	6.629	6.611	6.660	VV	328	8447	0.12%	0.030%
72	6.687	6.660	6.764	VV	805	25267	0.36%	0.090%
73	6.784	6.764	6.880	VV	346	18402	0.27%	0.065%
74	6.926	6.880	7.034	VV	1188	33695	0.49%	0.120%
75	7.051	7.034	7.061	VV	239	3175	0.05%	0.011%
76	7.068	7.061	7.087	VV	244	2635	0.04%	0.009%
77	7.103	7.087	7.115	VV	190	2864	0.04%	0.010%
78	7.131	7.115	7.164	VV	318	5593	0.08%	0.020%
79	7.207	7.164	7.241	VV	235	7892	0.11%	0.028%
80	7.259	7.241	7.288	VV	503	8249	0.12%	0.029%
81	7.331	7.288	7.384	VV	709	21769	0.31%	0.077%
82	7.398	7.384	7.428	VV	460	8785	0.13%	0.031%
83	7.435	7.428	7.461	VV	248	4152	0.06%	0.015%
84	7.471	7.461	7.477	VV	197	1697	0.02%	0.006%
85	7.529	7.477	7.560	VV	529	13357	0.19%	0.047%
86	7.575	7.560	7.604	VV	225	4229	0.06%	0.015%
87	7.610	7.604	7.619	VV	180	1231	0.02%	0.004%
88	7.664	7.619	7.688	VV	290	7039	0.10%	0.025%
89	7.698	7.688	7.714	VV	171	2627	0.04%	0.009%

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90	7.721	7.714	7.732	VV	228	1964	0.03%	0.007%
91	7.745	7.732	7.761	VV	212	2941	0.04%	0.010%
92	7.778	7.761	7.786	VV	241	2613	0.04%	0.009%
93	7.806	7.786	7.839	VV	321	6302	0.09%	0.022%
94	7.856	7.839	7.882	VV	165	3230	0.05%	0.011%
95	7.898	7.882	7.907	VV	158	1423	0.02%	0.005%
96	7.925	7.907	7.942	VV	223	2244	0.03%	0.008%
97	7.983	7.942	8.011	VV	157	3663	0.05%	0.013%
98	8.028	8.011	8.047	VV	188	2699	0.04%	0.010%
99	8.215	8.202	8.245	VV	1551	35726	0.52%	0.127%
100	8.257	8.245	8.384	VV	1290	51728	0.75%	0.183%
101	8.401	8.384	8.518	VV	383	22460	0.32%	0.080%
102	8.580	8.518	8.631	VV	648	28004	0.40%	0.099%
103	8.651	8.631	8.664	VV	543	9654	0.14%	0.034%
104	8.685	8.664	8.788	VV	1216	33480	0.48%	0.119%
105	8.823	8.788	8.872	VV	302	10181	0.15%	0.036%
106	8.883	8.872	8.900	VV	164	2018	0.03%	0.007%
107	8.914	8.900	8.941	VV	259	3692	0.05%	0.013%
108	9.160	9.151	9.208	VV	1082	27719	0.40%	0.098%
109	9.222	9.208	9.306	VV	613	27452	0.40%	0.097%
110	9.318	9.306	9.348	VV	557	9994	0.14%	0.035%
111	9.353	9.348	9.362	VV	328	2966	0.04%	0.011%
112	9.417	9.362	9.450	VV	2201	50408	0.73%	0.179%
113	9.463	9.450	9.488	VV	980	14141	0.20%	0.050%
114	9.515	9.488	9.637	VV	1003	38915	0.56%	0.138%
115	9.651	9.637	9.688	VV	253	6131	0.09%	0.022%
116	9.702	9.688	9.779	VV	343	11847	0.17%	0.042%
117	9.857	9.779	9.878	VV	439	15558	0.22%	0.055%
118	9.898	9.878	9.929	VV	873	15875	0.23%	0.056%
119	9.941	9.929	10.004	VV	403	13296	0.19%	0.047%
120	10.067	10.004	10.098	VV	326	14282	0.21%	0.051%
121	10.135	10.098	10.146	VV	534	9876	0.14%	0.035%
122	10.173	10.146	10.275	VV	33709	466165	6.72%	1.654%
123	10.297	10.275	10.391	VV	1233	34140	0.49%	0.121%
124	10.405	10.391	10.439	VV	386	7679	0.11%	0.027%
125	10.454	10.439	10.527	VV	265	9488	0.14%	0.034%
126	10.575	10.527	10.594	VV	234	6221	0.09%	0.022%
127	10.648	10.594	10.672	VV	3097	39725	0.57%	0.141%
128	10.688	10.672	10.724	VV	470	10705	0.15%	0.038%
129	10.748	10.724	10.778	VV	403	9375	0.14%	0.033%
130	10.784	10.778	10.814	VV	284	4861	0.07%	0.017%
131	10.850	10.814	10.864	VV	334	7123	0.10%	0.025%
132	10.884	10.864	10.895	VV	411	5066	0.07%	0.018%
133	10.968	10.895	10.982	VV	700	22779	0.33%	0.081%
134	10.998	10.982	11.022	VV	860	15270	0.22%	0.054%
135	11.040	11.022	11.078	VV	1052	19379	0.28%	0.069%
136	11.146	11.078	11.174	VV	648	20186	0.29%	0.072%
137	11.183	11.174	11.214	VV	297	5427	0.08%	0.019%
138	11.262	11.214	11.282	VV	396	11109	0.16%	0.039%
139	11.322	11.282	11.357	VV	616	21407	0.31%	0.076%
140	11.386	11.357	11.406	VV	915	19060	0.27%	0.068%
141	11.413	11.406	11.511	VV	620	23177	0.33%	0.082%

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142	11.541	11.511	11.586	VV	363	8138	0.12%	0.029%
143	11.609	11.586	11.632	VV	344	6345	0.09%	0.023%
144	11.679	11.632	11.704	VV	2181	32584	0.47%	0.116%
145	11.721	11.704	11.731	VV	690	8424	0.12%	0.030%
146	11.751	11.731	11.799	VV	1379	23052	0.33%	0.082%
147	11.842	11.799	11.888	VV	772	16824	0.24%	0.060%
148	11.912	11.888	11.930	VV	352	4697	0.07%	0.017%
149	11.942	11.930	11.980	VV	310	4769	0.07%	0.017%
150	12.025	11.980	12.037	PV	331	6319	0.09%	0.022%
151	12.077	12.037	12.191	VV	634688	6934371	100.00%	24.597%
152	12.206	12.191	12.255	VV	610	14347	0.21%	0.051%
153	12.271	12.255	12.280	VV	239	2350	0.03%	0.008%
154	12.301	12.280	12.327	VV	359	6145	0.09%	0.022%
155	12.357	12.327	12.371	VV	490	7185	0.10%	0.025%
156	12.417	12.371	12.454	VV	953	21463	0.31%	0.076%
157	12.474	12.454	12.492	VV	329	5026	0.07%	0.018%
158	12.514	12.492	12.576	VV	829	14230	0.21%	0.050%
159	12.585	12.576	12.614	VV	142	2346	0.03%	0.008%
160	12.664	12.614	12.740	PV	15371	197736	2.85%	0.701%
161	12.759	12.740	12.773	VV	844	11941	0.17%	0.042%
162	12.788	12.773	12.844	VV	819	21003	0.30%	0.075%
163	12.875	12.844	12.888	VV	622	10938	0.16%	0.039%
164	12.890	12.888	12.931	VV	666	8600	0.12%	0.031%
165	12.957	12.931	12.978	VV	413	8523	0.12%	0.030%
166	13.003	12.978	13.032	VV	978	15715	0.23%	0.056%
167	13.063	13.032	13.106	VV	1518	24449	0.35%	0.087%
168	13.151	13.106	13.176	VV	1951	41702	0.60%	0.148%
169	13.183	13.176	13.218	VV	543	6504	0.09%	0.023%
170	13.230	13.218	13.244	VV	88	1262	0.02%	0.004%
171	13.280	13.244	13.298	VV	233	4842	0.07%	0.017%
172	13.327	13.298	13.351	VV	371	6379	0.09%	0.023%
173	13.368	13.351	13.397	VV	253	4768	0.07%	0.017%
174	13.436	13.397	13.456	VV	511	13051	0.19%	0.046%
175	13.513	13.456	13.604	VV	465928	5571609	80.35%	19.763%
176	13.622	13.604	13.658	VV	974	21514	0.31%	0.076%
177	13.680	13.658	13.713	VV	1067	25361	0.37%	0.090%
178	13.730	13.713	13.769	VV	662	15053	0.22%	0.053%
179	13.778	13.769	13.785	VV	345	2822	0.04%	0.010%
180	13.795	13.785	13.840	VV	405	9843	0.14%	0.035%
181	13.872	13.840	13.887	VV	428	9272	0.13%	0.033%
182	13.909	13.887	14.010	VV	800	26198	0.38%	0.093%
183	14.080	14.010	14.103	VV	436	16518	0.24%	0.059%
184	14.123	14.103	14.161	VV	519	12320	0.18%	0.044%
185	14.216	14.161	14.244	VV	1828	36620	0.53%	0.130%
186	14.266	14.244	14.339	VV	1306	32012	0.46%	0.114%
187	14.358	14.339	14.464	VV	310	12516	0.18%	0.044%
188	14.498	14.464	14.581	VV	247	10834	0.16%	0.038%
189	14.704	14.581	14.738	VV	1456	44222	0.64%	0.157%
190	14.775	14.738	14.808	VV	702	17446	0.25%	0.062%
191	14.831	14.808	14.884	VV	887	21835	0.31%	0.077%
192	14.904	14.884	15.014	VV	409	19146	0.28%	0.068%
193	15.086	15.014	15.120	PV	202	7607	0.11%	0.027%
194	15.145	15.120	15.181	VV	264	5074	0.07%	0.018%

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195	15.211	15.181	15.241	VV	297	6740	0.10%	0.024%
196	15.262	15.241	15.291	VV	213	4950	0.07%	0.018%
197	15.328	15.291	15.347	VV	3524	56716	0.82%	0.201%
198	15.369	15.347	15.397	VV	4053	70138	1.01%	0.249%
199	15.418	15.397	15.534	VV	2588	51543	0.74%	0.183%
200	15.560	15.534	15.598	VV	322	5743	0.08%	0.020%
201	15.672	15.598	15.697	PV	135	4401	0.06%	0.016%
202	15.763	15.697	15.873	VV	8956	278579	4.02%	0.988%
203	15.894	15.873	15.933	VV	1327	30482	0.44%	0.108%
204	15.975	15.933	16.051	VV	2554	48270	0.70%	0.171%
205	16.077	16.051	16.111	VV	135	2340	0.03%	0.008%
206	16.164	16.111	16.188	PV	124	2838	0.04%	0.010%
207	16.213	16.188	16.244	VV	241	4292	0.06%	0.015%
208	16.396	16.244	16.433	PV	1475	44495	0.64%	0.158%
209	16.459	16.433	16.501	VV	529	11189	0.16%	0.040%
210	16.529	16.501	16.561	VV	312	6677	0.10%	0.024%
211	16.584	16.561	16.661	VV	190	6057	0.09%	0.021%
212	16.702	16.661	16.731	PV	187	5233	0.08%	0.019%
213	16.794	16.731	16.815	VV	743	19402	0.28%	0.069%
214	16.885	16.815	16.905	VV	3937	86546	1.25%	0.307%
215	16.922	16.905	17.003	VV	3053	71421	1.03%	0.253%
216	17.025	17.003	17.054	VV	290	5220	0.08%	0.019%
217	17.079	17.054	17.120	VV	257	4853	0.07%	0.017%
218	17.275	17.120	17.324	PV	3766	77067	1.11%	0.273%
219	17.348	17.324	17.377	VV	5091	75329	1.09%	0.267%
220	17.398	17.377	17.451	VV	1779	35428	0.51%	0.126%
221	17.508	17.451	17.531	VV	251	8190	0.12%	0.029%
222	17.555	17.531	17.582	VV	249	5130	0.07%	0.018%
223	17.799	17.582	17.851	PV	7952	145844	2.10%	0.517%
224	17.887	17.851	17.951	VV	800	15090	0.22%	0.054%
225	18.027	17.951	18.051	VV	212	3944	0.06%	0.014%
226	18.238	18.051	18.294	PV	11910	183822	2.65%	0.652%
227	18.328	18.294	18.370	VV	3821	56718	0.82%	0.201%
228	18.484	18.370	18.534	PV	703	23815	0.34%	0.084%
229	18.649	18.534	18.811	PV	40883	1413169	20.38%	5.013%
230	18.902	18.811	19.007	VV	47480	809002	11.67%	2.870%
231	19.073	19.007	19.138	VV	14474	253051	3.65%	0.898%
232	19.174	19.138	19.212	VV	2964	59708	0.86%	0.212%
233	19.331	19.212	19.350	VV	1016	55659	0.80%	0.197%
234	19.372	19.350	19.401	VV	842	20852	0.30%	0.074%
235	19.471	19.401	19.538	VV	13410	274282	3.96%	0.973%
236	19.575	19.538	19.593	VV	1141	36390	0.52%	0.129%
237	19.671	19.593	19.687	VV	1657	76669	1.11%	0.272%
238	19.722	19.687	19.744	VV	2137	59920	0.86%	0.213%
239	19.775	19.744	19.804	VV	2164	71073	1.02%	0.252%
240	19.858	19.804	19.954	VV	13835	468504	6.76%	1.662%
241	19.969	19.954	20.011	VV	3708	111908	1.61%	0.397%
242	20.049	20.011	20.072	VV	3830	118271	1.71%	0.420%
243	20.099	20.072	20.121	VV	3572	95958	1.38%	0.340%
244	20.148	20.121	20.184	VV	3713	124022	1.79%	0.440%
245	20.235	20.184	20.268	VV	12397	296320	4.27%	1.051%
246	20.345	20.268	20.371	VV	4478	260153	3.75%	0.923%

					rteres			
247	20.470	20.371	20.488	VV	5980	363074	5.24%	1.288%
248	20.513	20.488	20.532	VV	6157	158852	2.29%	0.563%
249	20.599	20.532	20.635	VV	13997	493192	7.11%	1.749%
250	20.771	20.635	20.804	VV	8757	768077	11.08%	2.725%
251	20.877	20.804	20.896	VV	8195	441917	6.37%	1.568%
252	20.968	20.896	21.011	VV	12068	624669	9.01%	2.216%
253	21.086	21.011	21.255	VV	14491	1306009	18.83%	4.633%
254	21.275	21.255	21.301	VV	5961	162062	2.34%	0.575%
255	21.377	21.301	21.478	VV	10037	657555	9.48%	2.332%
256	21.496	21.478	21.511	VV	4733	93389	1.35%	0.331%
257	21.717	21.511	21.801	VV	4670	766296	11.05%	2.718%
258	21.836	21.801	21.951	VV	4473	258405	3.73%	0.917%
259	22.152	21.951	22.193	VV	1536	227059	3.27%	0.805%
260	22.242	22.193	22.256	VV	944	34268	0.49%	0.122%
261	22.365	22.256	22.463	VV	4731	180966	2.61%	0.642%
					Sum of corrected areas:	28191447		

Aliphatic EPH 082925.M Thu Sep 04 05:55:46 2025

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-2	SDG No.:	Q3001
Lab Sample ID:	Q3001-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 18:59	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.58		1	1.24	2.11	mg/kg	FE055646.D
Aliphatic C9-C28	Aliphatic C9-C28	2.02	J	1	0.96	4.21	mg/kg	FE055646.D
Total AliphaticEPH	Total AliphaticEPH	7.61			2.20	6.32	mg/kg	
Total EPH	Total EPH	7.61			2.20	6.32	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-2	SDG No.:	Q3001
Lab Sample ID:	Q3001-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 18:59	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.58		1	1.24	2.11	mg/kg	FE055646.D
Aliphatic C9-C28	Aliphatic C9-C28	2.02	J	1	0.96	4.21	mg/kg	FE055646.D
Total AliphaticEPH	Total AliphaticEPH	7.61			2.20	6.32	mg/kg	
Total EPH	Total EPH	7.61			2.20	6.32	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-2	SDG No.:	Q3001
Lab Sample ID:	Q3001-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055646.D	1	09/03/25	09/03/25	PB169516

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.02	J	0.96	4.21	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.58		1.24	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.7		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.1		40 - 140	80%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3001-02	Acq On:	03 Sep 2025 18:59
Client Sample ID:	S-2	Operator:	YP\AJ
Data file:	FE055646.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	588395	4.582	300	ug/ml
Aliphatic C12-C16	6.949	10.401	961853	7.12	200	ug/ml
Aliphatic C16-C21	10.402	13.781	910114	6.311	300	ug/ml
Aliphatic C21-C28	13.782	17.452	1549037	10.815	400	ug/ml
Aliphatic C28-C40	17.453	22.470	10940846	79.443	600	ug/ml
Aliphatic EPH	3.314	22.470	14950245	108.27		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	6592586	40.13		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	5344636	42.74		ug/ml
Aliphatic C9-C28	3.314	17.452	4009399	28.828	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
 Data File : FE055646.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 18:59
 Operator : YP\AJ
 Sample : Q3001-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 S-2

Integration File: autoint1.e
 Quant Time: Sep 04 05:14:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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	6592586	40.129 ug/ml
Spiked Amount 50.000		Recovery =	80.26%
12) S 1-chlorooctadecane (S...	13.513	5344636	42.742 ug/ml
Spiked Amount 50.000		Recovery =	85.48%

Target Compounds

(f)=RT Delta > 1/2 Window

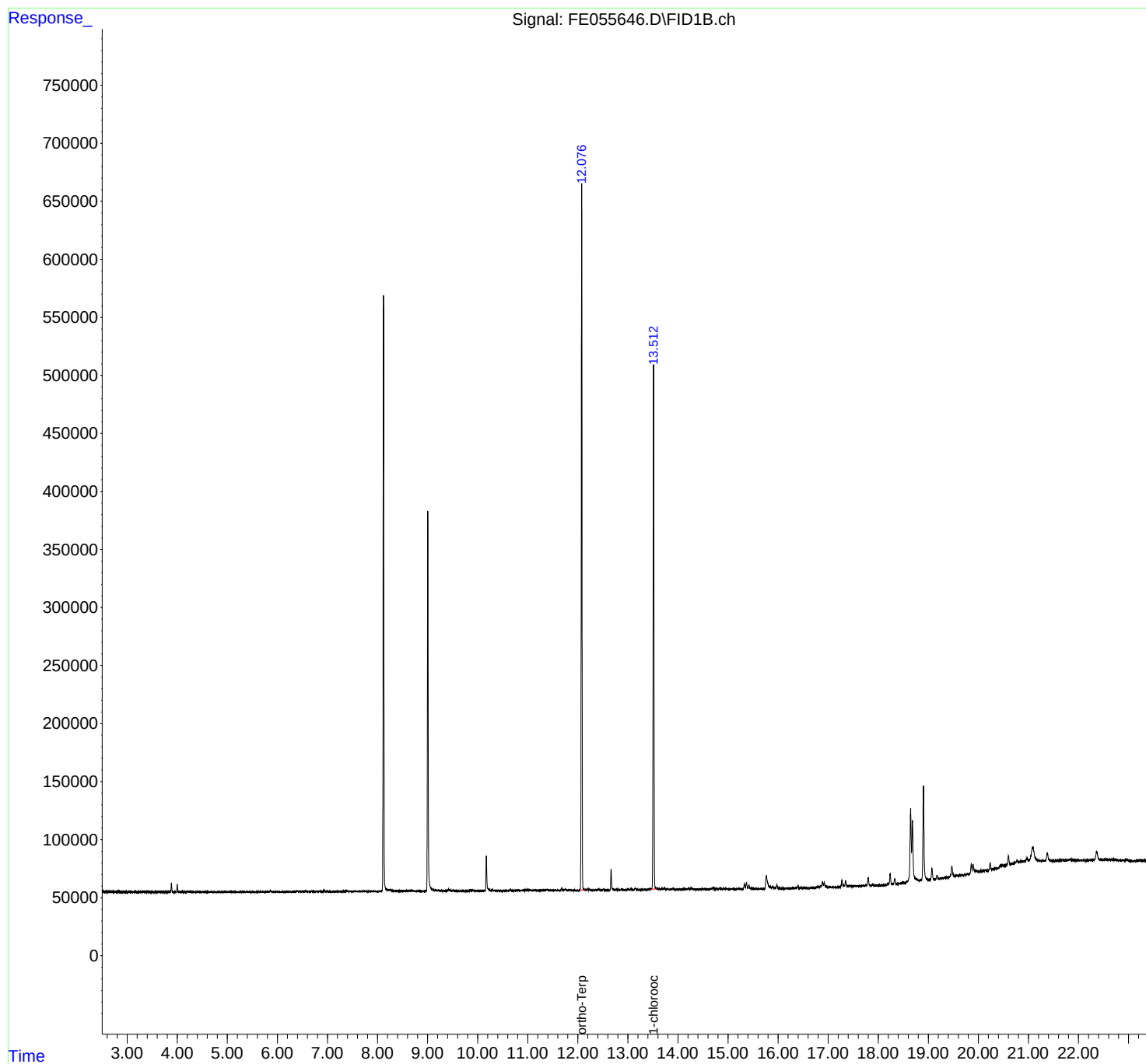
(m)=manual int.

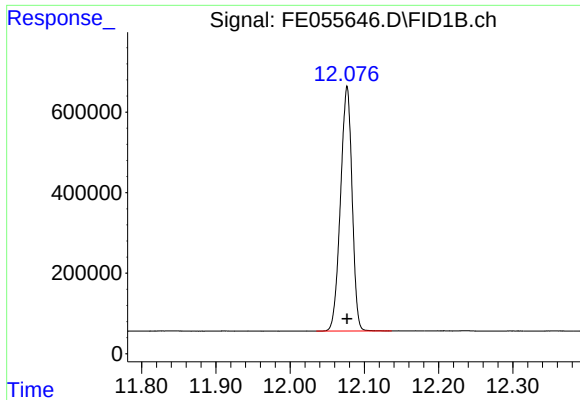
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
Data File : FE055646.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 18:59
Operator : YP\AJ
Sample : Q3001-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-2

Integration File: autoint1.e
Quant Time: Sep 04 05:14:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

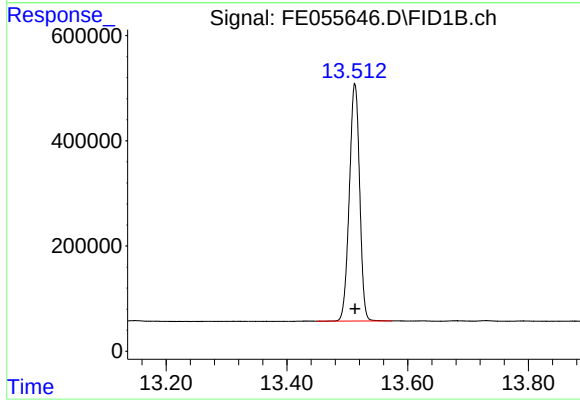




#9 ortho-Terphenyl (SURR)

R.T.: 12.077 min
Delta R.T.: 0.000 min
Response: 6592586
Conc: 40.13 ug/ml

Instrument :
FID_E
ClientSampleId :
S-2



#12 1-chlorooctadecane (SURR)

R.T.: 13.513 min
Delta R.T.: 0.000 min
Response: 5344636
Conc: 42.74 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
Data File : FE055646.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 18:59
Sample : Q3001-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.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	2.834	2.804	2.918	BV	344	9037	0.14%	0.033%
2	2.926	2.918	2.969	VV	187	3638	0.05%	0.013%
3	2.980	2.969	3.014	VV	147	2479	0.04%	0.009%
4	3.023	3.014	3.038	VV	138	1549	0.02%	0.006%
5	3.042	3.038	3.081	VV	159	2451	0.04%	0.009%
6	3.103	3.081	3.120	PV	166	2149	0.03%	0.008%
7	3.145	3.120	3.212	VV	169	6702	0.10%	0.025%
8	3.235	3.212	3.258	VV	134	3191	0.05%	0.012%
9	3.268	3.258	3.284	VV	430	5105	0.08%	0.019%
10	3.309	3.284	3.380	VV	414	15321	0.23%	0.057%
11	3.392	3.380	3.397	VV	201	1782	0.03%	0.007%
12	3.413	3.397	3.438	VV	274	5626	0.08%	0.021%
13	3.446	3.438	3.499	VV	212	6103	0.09%	0.023%
14	3.526	3.499	3.555	VV	246	6776	0.10%	0.025%
15	3.598	3.555	3.621	VV	366	10022	0.15%	0.037%
16	3.630	3.621	3.684	VV	225	8551	0.13%	0.032%
17	3.687	3.684	3.714	VV	254	3372	0.05%	0.012%
18	3.725	3.714	3.741	VV	275	3359	0.05%	0.012%
19	3.755	3.741	3.804	VV	259	8760	0.13%	0.032%
20	3.810	3.804	3.819	VV	264	2000	0.03%	0.007%
21	3.848	3.819	3.864	VV	665	10741	0.16%	0.040%
22	3.883	3.864	3.918	VV	7659	75673	1.14%	0.280%
23	3.949	3.918	3.970	PV	297	5079	0.08%	0.019%
24	3.999	3.970	4.061	VV	6566	70436	1.06%	0.260%
25	4.093	4.061	4.115	VV	475	10805	0.16%	0.040%
26	4.125	4.115	4.169	VV	348	8453	0.13%	0.031%
27	4.205	4.169	4.247	VV	793	18104	0.27%	0.067%
28	4.259	4.247	4.276	VV	414	5891	0.09%	0.022%
29	4.283	4.276	4.304	VV	398	5229	0.08%	0.019%
30	4.316	4.304	4.338	VV	359	5346	0.08%	0.020%
31	4.412	4.338	4.431	VV	425	15181	0.23%	0.056%
32	4.438	4.431	4.501	VV	322	10160	0.15%	0.038%
33	4.518	4.501	4.544	VV	268	6027	0.09%	0.022%
34	4.557	4.544	4.608	VV	300	8326	0.13%	0.031%
35	4.619	4.608	4.650	VV	234	4742	0.07%	0.018%
36	4.671	4.650	4.700	VV	455	7978	0.12%	0.029%

					rt	er		
37	4.711	4.700	4.738	VV	245	4586	0.07%	0.017%
38	4.782	4.738	4.807	VV	229	6693	0.10%	0.025%
39	4.840	4.807	4.861	VV	502	8020	0.12%	0.030%
40	4.953	4.861	4.977	VV	257	12750	0.19%	0.047%
41	4.990	4.977	5.018	VV	251	5345	0.08%	0.020%
42	5.062	5.018	5.080	VV	293	8334	0.13%	0.031%
43	5.088	5.080	5.111	VV	256	4129	0.06%	0.015%
44	5.121	5.111	5.198	VV	249	8453	0.13%	0.031%
45	5.215	5.198	5.223	VV	172	1913	0.03%	0.007%
46	5.254	5.223	5.308	VV	236	5920	0.09%	0.022%
47	5.333	5.308	5.351	VV	220	3970	0.06%	0.015%
48	5.401	5.351	5.458	VV	231	8726	0.13%	0.032%
49	5.495	5.458	5.516	PV	187	4315	0.07%	0.016%
50	5.526	5.516	5.598	VV	173	6739	0.10%	0.025%
51	5.619	5.598	5.698	VV	632	14719	0.22%	0.054%
52	5.733	5.698	5.793	VV	250	7472	0.11%	0.028%
53	5.812	5.793	5.829	VV	252	3709	0.06%	0.014%
54	5.854	5.829	5.974	VV	913	22432	0.34%	0.083%
55	5.988	5.974	6.019	VV	171	2708	0.04%	0.010%
56	6.029	6.019	6.041	VV	105	1071	0.02%	0.004%
57	6.058	6.041	6.092	VV	135	3168	0.05%	0.012%
58	6.102	6.092	6.121	VV	90	1077	0.02%	0.004%
59	6.136	6.121	6.167	VV	233	3363	0.05%	0.012%
60	6.185	6.167	6.234	PV	279	4739	0.07%	0.018%
61	6.250	6.234	6.288	VV	151	2685	0.04%	0.010%
62	6.294	6.288	6.308	VV	140	1109	0.02%	0.004%
63	6.355	6.308	6.367	VV	210	4757	0.07%	0.018%
64	6.394	6.367	6.458	VV	927	20456	0.31%	0.076%
65	6.485	6.458	6.518	VV	324	8158	0.12%	0.030%
66	6.552	6.518	6.608	VV	599	14220	0.21%	0.053%
67	6.620	6.608	6.638	VV	237	3569	0.05%	0.013%
68	6.645	6.638	6.652	VV	202	1671	0.03%	0.006%
69	6.658	6.652	6.664	VV	192	1480	0.02%	0.005%
70	6.688	6.664	6.764	VV	476	15211	0.23%	0.056%
71	6.791	6.764	6.804	VV	226	4385	0.07%	0.016%
72	6.844	6.804	6.878	VV	314	9349	0.14%	0.035%
73	6.928	6.878	6.987	VV	1005	22472	0.34%	0.083%
74	6.998	6.987	7.014	VV	213	2554	0.04%	0.009%
75	7.023	7.014	7.096	VV	215	5003	0.08%	0.018%
76	7.108	7.096	7.119	VV	146	1288	0.02%	0.005%
77	7.140	7.119	7.176	VV	131	2553	0.04%	0.009%
78	7.185	7.176	7.225	VV	71	1627	0.02%	0.006%
79	7.259	7.225	7.288	VV	451	6711	0.10%	0.025%
80	7.299	7.288	7.306	VV	190	1575	0.02%	0.006%
81	7.333	7.306	7.391	VV	562	17677	0.27%	0.065%
82	7.405	7.391	7.450	VV	339	9167	0.14%	0.034%
83	7.494	7.450	7.515	VV	264	7946	0.12%	0.029%
84	7.531	7.515	7.564	VV	347	7236	0.11%	0.027%
85	7.572	7.564	7.620	VV	189	4961	0.07%	0.018%
86	7.668	7.620	7.688	VV	298	7461	0.11%	0.028%
87	7.695	7.688	7.708	VV	215	2066	0.03%	0.008%
88	7.717	7.708	7.736	VV	202	2961	0.04%	0.011%
89	7.746	7.736	7.764	VV	200	2853	0.04%	0.011%

					rteres			
90	7.805	7.764	7.846	VV	346	9906	0.15%	0.037%
91	7.860	7.846	7.881	VV	214	2984	0.04%	0.011%
92	7.925	7.881	8.007	VV	195	9596	0.14%	0.035%
93	8.213	8.203	8.243	VV	1591	32282	0.49%	0.119%
94	8.259	8.243	8.394	VV	1488	59183	0.89%	0.219%
95	8.411	8.394	8.424	VV	443	7229	0.11%	0.027%
96	8.433	8.424	8.514	VV	415	16112	0.24%	0.060%
97	8.577	8.514	8.629	VV	622	27442	0.41%	0.101%
98	8.649	8.629	8.663	VV	812	12180	0.18%	0.045%
99	8.685	8.663	8.735	VV	1082	26229	0.40%	0.097%
100	8.750	8.735	8.794	VV	295	7854	0.12%	0.029%
101	8.821	8.794	8.857	VV	321	8066	0.12%	0.030%
102	8.868	8.857	8.896	VV	157	2608	0.04%	0.010%
103	8.911	8.896	8.918	VV	160	1340	0.02%	0.005%
104	8.930	8.918	8.951	VV	178	2411	0.04%	0.009%
105	8.960	8.951	8.967	VV	89	941	0.01%	0.003%
106	9.159	9.147	9.218	VV	1095	33962	0.51%	0.126%
107	9.226	9.218	9.298	VV	619	21862	0.33%	0.081%
108	9.317	9.298	9.358	VV	583	13554	0.20%	0.050%
109	9.418	9.358	9.448	VV	1657	40722	0.61%	0.151%
110	9.463	9.448	9.488	VV	1182	16467	0.25%	0.061%
111	9.513	9.488	9.668	VV	824	29334	0.44%	0.108%
112	9.700	9.668	9.741	VV	300	6832	0.10%	0.025%
113	9.748	9.741	9.764	VV	146	1383	0.02%	0.005%
114	9.817	9.764	9.833	VV	200	4732	0.07%	0.017%
115	9.851	9.833	9.877	VV	469	9403	0.14%	0.035%
116	9.899	9.877	9.948	VV	1022	21038	0.32%	0.078%
117	9.958	9.948	10.012	VV	304	9586	0.14%	0.035%
118	10.019	10.012	10.034	VV	304	2298	0.03%	0.008%
119	10.061	10.034	10.104	VV	258	6664	0.10%	0.025%
120	10.133	10.104	10.146	VV	533	8325	0.13%	0.031%
121	10.173	10.146	10.271	VV	29885	397447	5.99%	1.469%
122	10.298	10.271	10.387	VV	1089	28242	0.43%	0.104%
123	10.405	10.387	10.434	VV	331	5768	0.09%	0.021%
124	10.451	10.434	10.507	VV	319	7414	0.11%	0.027%
125	10.572	10.507	10.583	PV	219	5682	0.09%	0.021%
126	10.601	10.583	10.618	VV	171	2898	0.04%	0.011%
127	10.648	10.618	10.674	VV	1632	22474	0.34%	0.083%
128	10.692	10.674	10.703	VV	397	5859	0.09%	0.022%
129	10.706	10.703	10.731	VV	381	4594	0.07%	0.017%
130	10.745	10.731	10.770	VV	398	7608	0.11%	0.028%
131	10.784	10.770	10.813	VV	299	6798	0.10%	0.025%
132	10.827	10.813	10.844	VV	256	4124	0.06%	0.015%
133	10.887	10.844	10.901	VV	359	9102	0.14%	0.034%
134	10.926	10.901	10.941	VV	479	10547	0.16%	0.039%
135	10.967	10.941	10.979	VV	829	14775	0.22%	0.055%
136	10.997	10.979	11.020	VV	954	18528	0.28%	0.068%
137	11.040	11.020	11.082	VV	1011	21640	0.33%	0.080%
138	11.116	11.082	11.128	VV	420	8714	0.13%	0.032%
139	11.145	11.128	11.174	VV	610	12234	0.18%	0.045%
140	11.184	11.174	11.219	VV	302	5682	0.09%	0.021%
141	11.262	11.219	11.284	VV	372	10531	0.16%	0.039%

					rteres			
142	11.314	11.284	11.361	VV	762	25090	0.38%	0.093%
143	11.385	11.361	11.478	VV	1186	42271	0.64%	0.156%
144	11.494	11.478	11.511	VV	357	6159	0.09%	0.023%
145	11.521	11.511	11.538	VV	324	3890	0.06%	0.014%
146	11.551	11.538	11.587	VV	295	6217	0.09%	0.023%
147	11.608	11.587	11.654	VV	465	9208	0.14%	0.034%
148	11.679	11.654	11.704	VV	1981	27435	0.41%	0.101%
149	11.719	11.704	11.731	VV	570	7678	0.12%	0.028%
150	11.750	11.731	11.804	VV	1442	24038	0.36%	0.089%
151	11.842	11.804	11.884	VV	673	14927	0.22%	0.055%
152	11.911	11.884	11.924	VV	449	5615	0.08%	0.021%
153	11.943	11.924	11.971	VV	336	4616	0.07%	0.017%
154	12.077	11.971	12.191	VV	610166	6637884	100.00%	24.539%
155	12.206	12.191	12.219	VV	707	9662	0.15%	0.036%
156	12.236	12.219	12.254	VV	924	11802	0.18%	0.044%
157	12.264	12.254	12.274	VV	206	1858	0.03%	0.007%
158	12.298	12.274	12.334	VV	315	6329	0.10%	0.023%
159	12.355	12.334	12.380	VV	494	6886	0.10%	0.025%
160	12.415	12.380	12.451	PV	945	18405	0.28%	0.068%
161	12.472	12.451	12.490	VV	443	6407	0.10%	0.024%
162	12.514	12.490	12.544	VV	1074	14885	0.22%	0.055%
163	12.554	12.544	12.582	VV	202	2966	0.04%	0.011%
164	12.593	12.582	12.604	VV	124	1283	0.02%	0.005%
165	12.664	12.604	12.738	VV	18138	217731	3.28%	0.805%
166	12.759	12.738	12.770	VV	609	9888	0.15%	0.037%
167	12.788	12.770	12.824	VV	781	17605	0.27%	0.065%
168	12.874	12.824	12.933	VV	631	25021	0.38%	0.092%
169	12.957	12.933	12.975	VV	480	8544	0.13%	0.032%
170	13.002	12.975	13.033	VV	856	16242	0.24%	0.060%
171	13.063	13.033	13.104	VV	1552	24101	0.36%	0.089%
172	13.149	13.104	13.218	VV	1675	43448	0.65%	0.161%
173	13.232	13.218	13.253	VV	130	1723	0.03%	0.006%
174	13.316	13.253	13.377	VV	306	13384	0.20%	0.049%
175	13.437	13.377	13.457	VV	628	17976	0.27%	0.066%
176	13.513	13.457	13.601	VV	452272	5410765	81.51%	20.002%
177	13.625	13.601	13.653	VV	981	21932	0.33%	0.081%
178	13.679	13.653	13.711	VV	1155	25560	0.39%	0.094%
179	13.730	13.711	13.764	VV	1450	24360	0.37%	0.090%
180	13.791	13.764	13.841	VV	758	19177	0.29%	0.071%
181	13.877	13.841	13.891	VV	452	10711	0.16%	0.040%
182	13.907	13.891	14.004	VV	1080	27466	0.41%	0.102%
183	14.053	14.004	14.064	VV	353	9942	0.15%	0.037%
184	14.124	14.064	14.154	VV	551	19381	0.29%	0.072%
185	14.214	14.154	14.243	VV	1446	33435	0.50%	0.124%
186	14.265	14.243	14.338	VV	1349	31432	0.47%	0.116%
187	14.354	14.338	14.381	VV	330	5756	0.09%	0.021%
188	14.391	14.381	14.404	VV	251	2355	0.04%	0.009%
189	14.424	14.404	14.442	VV	181	3162	0.05%	0.012%
190	14.489	14.442	14.521	VV	271	8364	0.13%	0.031%
191	14.537	14.521	14.577	VV	269	5502	0.08%	0.020%
192	14.672	14.577	14.684	VV	645	20201	0.30%	0.075%
193	14.704	14.684	14.748	VV	1376	25243	0.38%	0.093%
194	14.775	14.748	14.808	VV	629	13204	0.20%	0.049%

					rteres			
195	14.829	14.808	14.850	VV	1093	14830	0.22%	0.055%
196	14.865	14.850	14.883	VV	461	7482	0.11%	0.028%
197	14.905	14.883	14.924	VV	402	7968	0.12%	0.029%
198	14.935	14.924	14.941	VV	366	3133	0.05%	0.012%
199	14.957	14.941	15.015	VV	553	10831	0.16%	0.040%
200	15.059	15.015	15.096	PV	248	5824	0.09%	0.022%
201	15.104	15.096	15.120	VV	171	1420	0.02%	0.005%
202	15.147	15.120	15.191	VV	224	4445	0.07%	0.016%
203	15.211	15.191	15.225	VV	316	4329	0.07%	0.016%
204	15.243	15.225	15.288	VV	248	6670	0.10%	0.025%
205	15.327	15.288	15.347	VV	4457	70190	1.06%	0.259%
206	15.369	15.347	15.397	VV	5431	90013	1.36%	0.333%
207	15.418	15.397	15.468	VV	3247	54209	0.82%	0.200%
208	15.477	15.468	15.501	VV	430	6151	0.09%	0.023%
209	15.514	15.501	15.535	VV	235	3852	0.06%	0.014%
210	15.561	15.535	15.593	VV	443	8409	0.13%	0.031%
211	15.628	15.593	15.649	VV	199	4458	0.07%	0.016%
212	15.674	15.649	15.701	PV	233	3801	0.06%	0.014%
213	15.709	15.701	15.716	VV	67	724	0.01%	0.003%
214	15.762	15.716	15.872	VV	11175	337002	5.08%	1.246%
215	15.893	15.872	15.931	VV	1990	39797	0.60%	0.147%
216	15.975	15.931	16.060	VV	3464	64427	0.97%	0.238%
217	16.075	16.060	16.131	VV	148	4267	0.06%	0.016%
218	16.146	16.131	16.162	VV	130	1502	0.02%	0.006%
219	16.216	16.162	16.241	VV	214	5362	0.08%	0.020%
220	16.361	16.241	16.373	PV	600	24042	0.36%	0.089%
221	16.396	16.373	16.439	VV	1998	31206	0.47%	0.115%
222	16.459	16.439	16.503	VV	590	11054	0.17%	0.041%
223	16.517	16.503	16.568	VV	326	6935	0.10%	0.026%
224	16.572	16.568	16.581	VV	175	1031	0.02%	0.004%
225	16.588	16.581	16.604	VV	139	1450	0.02%	0.005%
226	16.634	16.604	16.656	VV	118	2160	0.03%	0.008%
227	16.708	16.656	16.724	PV	222	6273	0.09%	0.023%
228	16.790	16.724	16.820	VV	848	27619	0.42%	0.102%
229	16.846	16.820	16.859	VV	1315	22881	0.34%	0.085%
230	16.886	16.859	16.904	VV	5341	85606	1.29%	0.316%
231	16.920	16.904	16.948	VV	4497	72480	1.09%	0.268%
232	16.960	16.948	16.999	VV	1139	22383	0.34%	0.083%
233	17.019	16.999	17.061	VV	459	10726	0.16%	0.040%
234	17.076	17.061	17.118	VV	204	3982	0.06%	0.015%
235	17.129	17.118	17.148	VV	154	1613	0.02%	0.006%
236	17.155	17.148	17.175	VV	122	1532	0.02%	0.006%
237	17.273	17.175	17.301	PV	5450	96376	1.45%	0.356%
238	17.313	17.301	17.324	VV	1374	16895	0.25%	0.062%
239	17.348	17.324	17.379	VV	5381	79949	1.20%	0.296%
240	17.398	17.379	17.409	VV	698	10034	0.15%	0.037%
241	17.426	17.409	17.451	VV	1005	16383	0.25%	0.061%
242	17.507	17.451	17.531	VV	481	16441	0.25%	0.061%
243	17.563	17.531	17.584	VV	349	9302	0.14%	0.034%
244	17.627	17.584	17.656	VV	348	11640	0.18%	0.043%
245	17.699	17.656	17.716	VV	648	13445	0.20%	0.050%
246	17.745	17.716	17.758	VV	669	13763	0.21%	0.051%

					rteres			
247	17.800	17.758	17.856	VV	7079	121135	1.82%	0.448%
248	17.886	17.856	17.929	VV	1068	19795	0.30%	0.073%
249	17.941	17.929	17.988	VV	182	3648	0.05%	0.013%
250	18.029	17.988	18.055	PV	216	4092	0.06%	0.015%
251	18.082	18.055	18.101	PV	222	2325	0.04%	0.009%
252	18.139	18.101	18.148	VV	70	1496	0.02%	0.006%
253	18.197	18.148	18.211	PV	1456	23495	0.35%	0.087%
254	18.238	18.211	18.291	VV	9310	138263	2.08%	0.511%
255	18.329	18.291	18.378	VV	4895	71209	1.07%	0.263%
256	18.432	18.378	18.455	PV	416	10008	0.15%	0.037%
257	18.483	18.455	18.499	VV	704	11647	0.18%	0.043%
258	18.510	18.499	18.534	VV	404	6370	0.10%	0.024%
259	18.576	18.534	18.588	VV	1734	27227	0.41%	0.101%
260	18.646	18.588	18.665	VV	63240	1052734	15.86%	3.892%
261	18.682	18.665	18.826	VV	52513	998763	15.05%	3.692%
262	18.902	18.826	19.014	VV	81782	1319473	19.88%	4.878%
263	19.072	19.014	19.130	VV	10177	166874	2.51%	0.617%
264	19.174	19.130	19.213	PV	3331	52546	0.79%	0.194%
265	19.248	19.213	19.286	VV	404	11906	0.18%	0.044%
266	19.329	19.286	19.343	VV	642	11347	0.17%	0.042%
267	19.366	19.343	19.401	VV	677	18589	0.28%	0.069%
268	19.470	19.401	19.533	VV	9727	225728	3.40%	0.834%
269	19.572	19.533	19.601	VV	1170	41676	0.63%	0.154%
270	19.628	19.601	19.652	VV	1214	29610	0.45%	0.109%
271	19.673	19.652	19.694	VV	1020	21567	0.32%	0.080%
272	19.724	19.694	19.740	VV	1054	22721	0.34%	0.084%
273	19.776	19.740	19.794	VV	1319	33976	0.51%	0.126%
274	19.858	19.794	19.875	VV	9804	179754	2.71%	0.665%
275	19.894	19.875	19.951	VV	9007	230701	3.48%	0.853%
276	19.971	19.951	20.017	VV	3074	96784	1.46%	0.358%
277	20.047	20.017	20.069	VV	2926	73910	1.11%	0.273%
278	20.098	20.069	20.118	VV	2547	66899	1.01%	0.247%
279	20.147	20.118	20.184	VV	2631	93676	1.41%	0.346%
280	20.234	20.184	20.264	VV	8201	198614	2.99%	0.734%
281	20.293	20.264	20.304	VV	2799	65805	0.99%	0.243%
282	20.346	20.304	20.355	VV	3077	87592	1.32%	0.324%
283	20.465	20.355	20.500	VV	5127	356230	5.37%	1.317%
284	20.512	20.500	20.538	VV	4697	103060	1.55%	0.381%
285	20.600	20.538	20.638	VV	12836	415173	6.25%	1.535%
286	20.771	20.638	20.801	VV	7768	595944	8.98%	2.203%
287	20.873	20.801	20.903	VV	6567	397701	5.99%	1.470%
288	20.969	20.903	21.001	VV	8835	412461	6.21%	1.525%
289	21.088	21.001	21.256	VV	17724	1345468	20.27%	4.974%
290	21.274	21.256	21.301	VV	4731	125648	1.89%	0.464%
291	21.377	21.301	21.484	VV	11212	613927	9.25%	2.270%
292	21.490	21.484	21.514	VV	3579	63797	0.96%	0.236%
293	21.539	21.514	21.553	VV	3525	80828	1.22%	0.299%
294	21.572	21.553	21.581	VV	3498	58039	0.87%	0.215%
295	21.609	21.581	21.627	VV	3458	91767	1.38%	0.339%
296	21.650	21.627	21.677	VV	3264	95411	1.44%	0.353%
297	21.709	21.677	21.747	VV	3122	125246	1.89%	0.463%
298	21.757	21.747	21.771	VV	2586	37069	0.56%	0.137%
299	21.837	21.771	21.918	VV	3324	224787	3.39%	0.831%

					rteres			
300	21.927	21.918	21.948	VV	1869	30963	0.47%	0.114%
301	21.963	21.948	21.982	VV	1597	31568	0.48%	0.117%
302	21.992	21.982	22.004	VV	1402	18292	0.28%	0.068%
303	22.040	22.004	22.072	VV	1314	48232	0.73%	0.178%
304	22.084	22.072	22.131	VV	1058	29484	0.44%	0.109%
305	22.146	22.131	22.164	VV	528	10259	0.15%	0.038%
306	22.220	22.164	22.234	VV	343	15589	0.23%	0.058%
307	22.260	22.234	22.291	VV	298	7357	0.11%	0.027%
					Sum of corrected areas:	27050517		

Aliphatic EPH 082925.M Thu Sep 04 06:08:06 2025

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-3	SDG No.:	Q3001
Lab Sample ID:	Q3001-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.1
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 19:29	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.03		1	1.25	2.12	mg/kg	FE055647.D
Aliphatic C9-C28	Aliphatic C9-C28	1.87	J	1	0.97	4.25	mg/kg	FE055647.D
Total AliphaticEPH	Total AliphaticEPH	5.90	J		2.22	6.37	mg/kg	
Total EPH	Total EPH	5.90	J		2.22	6.37	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-3	SDG No.:	Q3001
Lab Sample ID:	Q3001-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.1
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 19:29	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.03		1	1.25	2.12	mg/kg	FE055647.D
Aliphatic C9-C28	Aliphatic C9-C28	1.87	J	1	0.97	4.25	mg/kg	FE055647.D
Total AliphaticEPH	Total AliphaticEPH	5.90	J		2.22	6.37	mg/kg	
Total EPH	Total EPH	5.90	J		2.22	6.37	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-3	SDG No.:	Q3001
Lab Sample ID:	Q3001-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055647.D	1	09/03/25	09/03/25	PB169516

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.87	J	0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.03		1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.1		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.5		40 - 140	77%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3001-03	Acq On:	03 Sep 2025 19:29
Client Sample ID:	S-3	Operator:	YP\AJ
Data file:	FE055647.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	541112	4.214	300	ug/ml
Aliphatic C12-C16	6.949	10.401	1017372	7.531	200	ug/ml
Aliphatic C16-C21	10.402	13.781	804229	5.577	300	ug/ml
Aliphatic C21-C28	13.782	17.452	1299951	9.076	400	ug/ml
Aliphatic C28-C40	17.453	22.470	7847095	56.979	600	ug/ml
Aliphatic EPH	3.314	22.470	11509759	83.376		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	6317769	38.46		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	5141606	41.12		ug/ml
Aliphatic C9-C28	3.314	17.452	3662664	26.398	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
 Data File : FE055647.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 19:29
 Operator : YP\AJ
 Sample : Q3001-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 S-3

Integration File: autoint1.e
 Quant Time: Sep 04 05:14:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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	6317769	38.456 ug/ml
Spiked Amount 50.000		Recovery =	76.91%
12) S 1-chlorooctadecane (S...	13.513	5141606	41.118 ug/ml
Spiked Amount 50.000		Recovery =	82.24%

Target Compounds

(f)=RT Delta > 1/2 Window

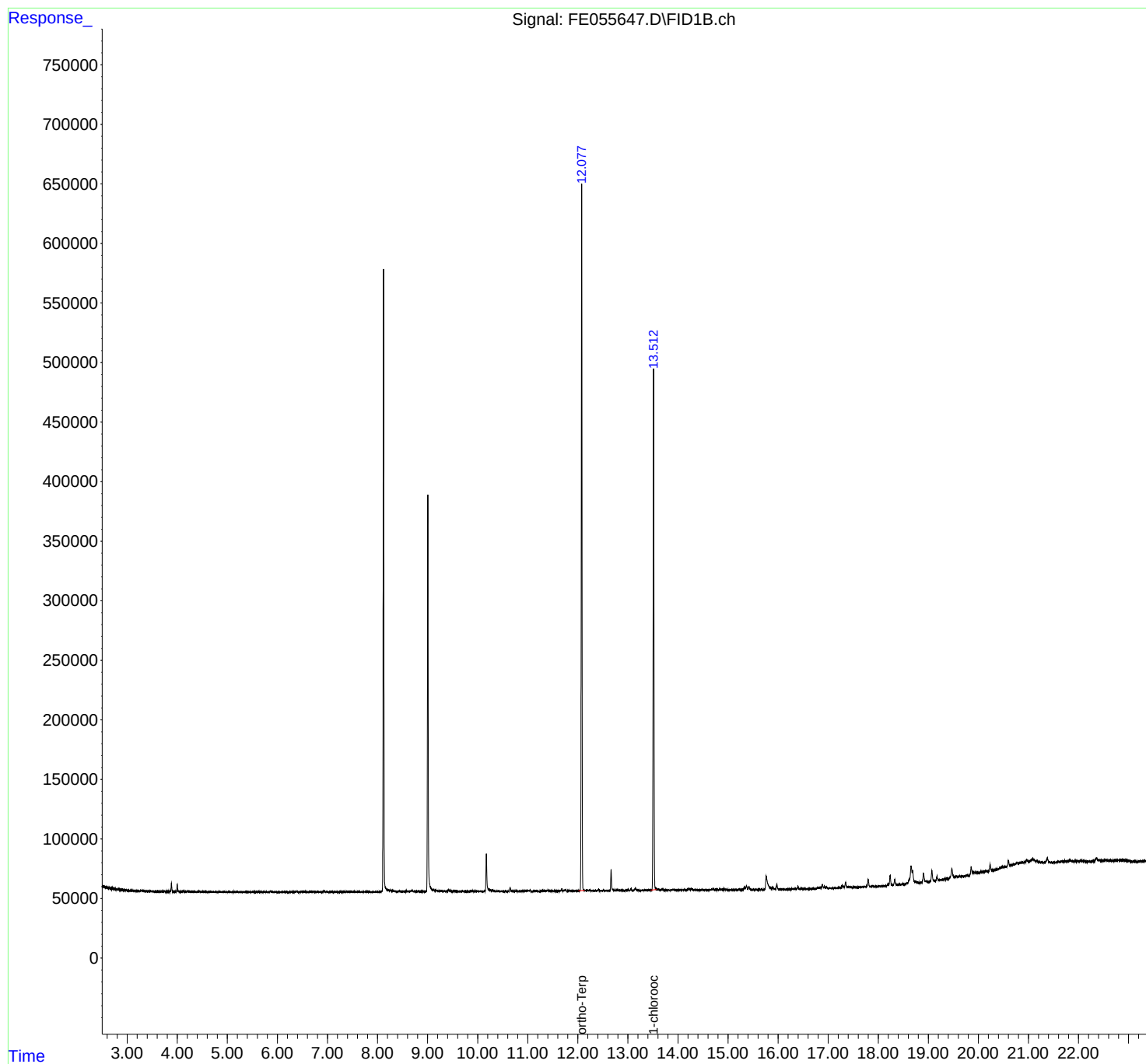
(m)=manual int.

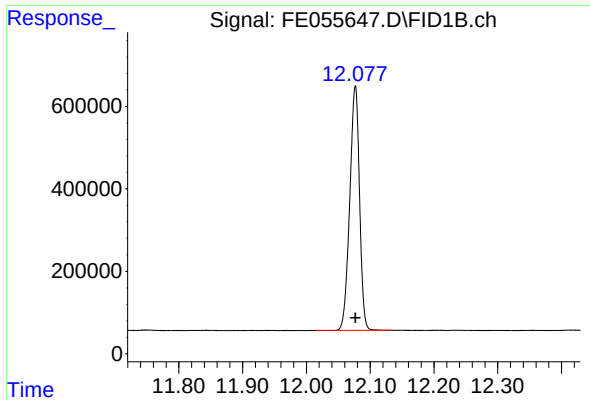
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
Data File : FE055647.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 19:29
Operator : YP\AJ
Sample : Q3001-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-3

Integration File: autoint1.e
Quant Time: Sep 04 05:14:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

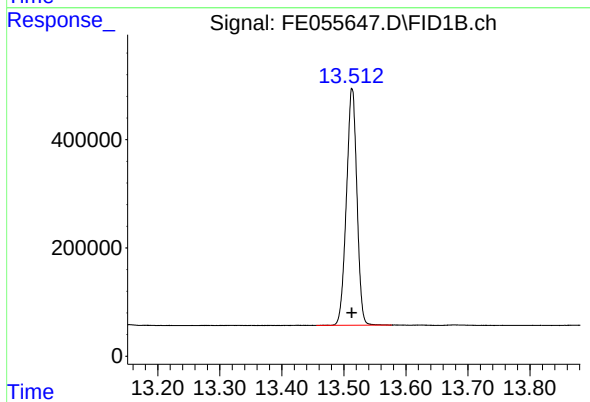




#9 ortho-Terphenyl (SURR)

R.T.: 12.077 min
Delta R.T.: 0.000 min
Response: 6317769
Conc: 38.46 ug/ml

Instrument :
FID_E
ClientSampleId :
S-3



#12 1-chlorooctadecane (SURR)

R.T.: 13.513 min
Delta R.T.: 0.000 min
Response: 5141606
Conc: 41.12 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
 Data File : FE055647.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 19:29
 Sample : Q3001-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.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	2.830	2.805	2.888	BV	265	4146	0.07%	0.018%
2	2.897	2.888	3.059	VV	147	5393	0.08%	0.023%
3	3.068	3.059	3.127	PV	112	3536	0.06%	0.015%
4	3.150	3.127	3.195	PV	174	3492	0.05%	0.015%
5	3.201	3.195	3.212	VV	87	818	0.01%	0.004%
6	3.226	3.212	3.252	VV	131	2445	0.04%	0.011%
7	3.270	3.252	3.361	PV	311	11984	0.19%	0.052%
8	3.411	3.361	3.514	VV	161	5157	0.08%	0.022%
9	3.528	3.514	3.577	VV	100	2395	0.04%	0.010%
10	3.596	3.577	3.639	VV	292	4443	0.07%	0.019%
11	3.648	3.639	3.668	VV	122	969	0.02%	0.004%
12	3.709	3.668	3.726	PV	146	2756	0.04%	0.012%
13	3.751	3.726	3.774	PV	145	3005	0.05%	0.013%
14	3.781	3.774	3.819	VV	216	2470	0.04%	0.011%
15	3.849	3.819	3.865	VV	458	6062	0.10%	0.026%
16	3.884	3.865	3.978	VV	7494	75843	1.19%	0.328%
17	4.000	3.978	4.063	PV	6267	63768	1.00%	0.276%
18	4.094	4.063	4.115	VV	318	7223	0.11%	0.031%
19	4.127	4.115	4.184	VV	227	5948	0.09%	0.026%
20	4.204	4.184	4.245	VV	660	12111	0.19%	0.052%
21	4.262	4.245	4.316	VV	258	7848	0.12%	0.034%
22	4.329	4.316	4.361	VV	167	3350	0.05%	0.015%
23	4.415	4.361	4.425	VV	311	6743	0.11%	0.029%
24	4.442	4.425	4.459	VV	259	4464	0.07%	0.019%
25	4.469	4.459	4.502	VV	146	3621	0.06%	0.016%
26	4.528	4.502	4.541	VV	214	3866	0.06%	0.017%
27	4.556	4.541	4.601	VV	323	5424	0.09%	0.023%
28	4.622	4.601	4.647	PV	128	2639	0.04%	0.011%
29	4.673	4.647	4.708	VV	299	6546	0.10%	0.028%
30	4.713	4.708	4.729	VV	181	2069	0.03%	0.009%
31	4.750	4.729	4.776	VV	214	3352	0.05%	0.015%
32	4.782	4.776	4.816	VV	125	2006	0.03%	0.009%
33	4.841	4.816	4.865	VV	464	6068	0.10%	0.026%
34	4.870	4.865	4.938	VV	176	5076	0.08%	0.022%
35	4.957	4.938	4.967	VV	147	1747	0.03%	0.008%
36	5.008	4.967	5.040	VV	179	6094	0.10%	0.026%

					rteres			
37	5.061	5.040	5.168	VV	184	8619	0.14%	0.037%
38	5.171	5.168	5.212	VV	139	1542	0.02%	0.007%
39	5.257	5.212	5.314	VV	139	4454	0.07%	0.019%
40	5.330	5.314	5.374	VV	253	4693	0.07%	0.020%
41	5.400	5.374	5.457	VV	277	6423	0.10%	0.028%
42	5.467	5.457	5.523	VV	143	3704	0.06%	0.016%
43	5.532	5.523	5.562	VV	130	2122	0.03%	0.009%
44	5.567	5.562	5.581	VV	97	837	0.01%	0.004%
45	5.618	5.581	5.672	VV	598	10504	0.17%	0.045%
46	5.691	5.672	5.705	VV	157	2093	0.03%	0.009%
47	5.712	5.705	5.739	VV	150	2586	0.04%	0.011%
48	5.755	5.739	5.795	VV	169	4276	0.07%	0.019%
49	5.813	5.795	5.831	VV	305	4174	0.07%	0.018%
50	5.853	5.831	5.919	VV	1008	22247	0.35%	0.096%
51	5.928	5.919	5.989	VV	231	7809	0.12%	0.034%
52	6.003	5.989	6.015	VV	210	2462	0.04%	0.011%
53	6.066	6.015	6.095	VV	249	8530	0.13%	0.037%
54	6.108	6.095	6.118	VV	221	2549	0.04%	0.011%
55	6.134	6.118	6.164	VV	382	6164	0.10%	0.027%
56	6.186	6.164	6.217	VV	363	6406	0.10%	0.028%
57	6.301	6.217	6.311	VV	276	10227	0.16%	0.044%
58	6.393	6.311	6.419	VV	1094	27553	0.43%	0.119%
59	6.487	6.419	6.535	PV	523	23097	0.36%	0.100%
60	6.553	6.535	6.591	VV	702	14536	0.23%	0.063%
61	6.687	6.591	6.732	VV	770	32652	0.51%	0.141%
62	6.740	6.732	6.828	VV	323	15549	0.24%	0.067%
63	6.840	6.828	6.898	VV	388	9956	0.16%	0.043%
64	6.928	6.898	7.042	VV	1084	32285	0.51%	0.140%
65	7.051	7.042	7.108	VV	237	6657	0.10%	0.029%
66	7.133	7.108	7.142	VV	205	3147	0.05%	0.014%
67	7.149	7.142	7.195	VV	154	3707	0.06%	0.016%
68	7.210	7.195	7.225	VV	100	1915	0.03%	0.008%
69	7.261	7.225	7.281	VV	469	7192	0.11%	0.031%
70	7.341	7.281	7.369	VV	467	14118	0.22%	0.061%
71	7.389	7.369	7.431	VV	344	10465	0.16%	0.045%
72	7.440	7.431	7.455	VV	243	2634	0.04%	0.011%
73	7.462	7.455	7.496	VV	218	4690	0.07%	0.020%
74	7.503	7.496	7.511	VV	235	1891	0.03%	0.008%
75	7.527	7.511	7.581	VV	371	9761	0.15%	0.042%
76	7.584	7.581	7.602	VV	224	1889	0.03%	0.008%
77	7.618	7.602	7.628	VV	153	2132	0.03%	0.009%
78	7.677	7.628	7.698	VV	247	7569	0.12%	0.033%
79	7.739	7.698	7.753	VV	212	5777	0.09%	0.025%
80	7.807	7.753	7.843	VV	286	10453	0.16%	0.045%
81	7.859	7.843	7.880	VV	151	2212	0.03%	0.010%
82	7.925	7.880	8.021	VV	233	10561	0.17%	0.046%
83	8.057	8.021	8.067	VV	176	4004	0.06%	0.017%
84	8.214	8.205	8.248	VV	1671	36077	0.57%	0.156%
85	8.258	8.248	8.351	VV	1458	48435	0.76%	0.210%
86	8.356	8.351	8.498	VV	487	32256	0.51%	0.140%
87	8.578	8.498	8.615	VV	685	28425	0.45%	0.123%
88	8.688	8.615	8.733	VV	1189	37595	0.59%	0.163%
89	8.744	8.733	8.784	VV	292	7238	0.11%	0.031%

					rteres			
90	8.818	8.784	8.896	VV	351	14702	0.23%	0.064%
91	8.919	8.896	8.961	VV	183	5525	0.09%	0.024%
92	9.162	9.149	9.292	VV	1112	55577	0.87%	0.241%
93	9.306	9.292	9.362	VV	496	16592	0.26%	0.072%
94	9.378	9.362	9.390	VV	447	6068	0.10%	0.026%
95	9.420	9.390	9.451	VV	1653	34198	0.54%	0.148%
96	9.465	9.451	9.486	VV	893	12983	0.20%	0.056%
97	9.515	9.486	9.545	VV	789	18436	0.29%	0.080%
98	9.551	9.545	9.627	VV	375	12775	0.20%	0.055%
99	9.703	9.627	9.788	VV	349	15885	0.25%	0.069%
100	9.807	9.788	9.835	VV	236	4208	0.07%	0.018%
101	9.856	9.835	9.866	VV	392	5205	0.08%	0.023%
102	9.873	9.866	9.877	VV	306	2113	0.03%	0.009%
103	9.900	9.877	9.928	VV	644	12282	0.19%	0.053%
104	9.957	9.928	10.045	VV	309	14332	0.23%	0.062%
105	10.061	10.045	10.101	VV	211	5019	0.08%	0.022%
106	10.135	10.101	10.147	VV	530	7758	0.12%	0.034%
107	10.174	10.147	10.276	VV	31911	443013	6.97%	1.918%
108	10.299	10.276	10.386	VV	1166	29901	0.47%	0.129%
109	10.406	10.386	10.431	VV	297	5164	0.08%	0.022%
110	10.464	10.431	10.488	VV	229	4869	0.08%	0.021%
111	10.499	10.488	10.505	PV	55	407	0.01%	0.002%
112	10.543	10.505	10.554	VV	102	1651	0.03%	0.007%
113	10.648	10.554	10.681	VV	3462	45855	0.72%	0.198%
114	10.690	10.681	10.735	VV	362	8735	0.14%	0.038%
115	10.748	10.735	10.758	VV	271	3355	0.05%	0.015%
116	10.775	10.758	10.815	VV	326	6978	0.11%	0.030%
117	10.832	10.815	10.867	VV	249	4943	0.08%	0.021%
118	10.887	10.867	10.898	VV	253	3142	0.05%	0.014%
119	10.966	10.898	10.982	VV	588	18598	0.29%	0.081%
120	10.999	10.982	11.022	VV	698	11881	0.19%	0.051%
121	11.041	11.022	11.086	VV	916	15995	0.25%	0.069%
122	11.147	11.086	11.228	VV	537	17236	0.27%	0.075%
123	11.258	11.228	11.298	VV	293	6416	0.10%	0.028%
124	11.325	11.298	11.349	VV	444	9464	0.15%	0.041%
125	11.385	11.349	11.425	VV	573	17908	0.28%	0.078%
126	11.434	11.425	11.484	VV	375	9147	0.14%	0.040%
127	11.496	11.484	11.546	VV	218	5564	0.09%	0.024%
128	11.556	11.546	11.588	VV	208	1977	0.03%	0.009%
129	11.610	11.588	11.651	VV	321	6029	0.09%	0.026%
130	11.679	11.651	11.704	VV	1833	24903	0.39%	0.108%
131	11.721	11.704	11.731	VV	556	7097	0.11%	0.031%
132	11.750	11.731	11.805	VV	1320	22588	0.36%	0.098%
133	11.843	11.805	11.883	VV	550	11928	0.19%	0.052%
134	11.914	11.883	11.931	VV	191	3488	0.05%	0.015%
135	11.943	11.931	11.958	VV	253	3046	0.05%	0.013%
136	11.973	11.958	12.000	VV	101	2619	0.04%	0.011%
137	12.015	12.000	12.025	VV	267	2670	0.04%	0.012%
138	12.077	12.025	12.171	VV	598793	6353214	100.00%	27.502%
139	12.177	12.171	12.191	VV	449	4792	0.08%	0.021%
140	12.205	12.191	12.218	VV	520	7348	0.12%	0.032%
141	12.236	12.218	12.284	VV	766	12983	0.20%	0.056%

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142	12.300	12.284	12.330	VV	299	4549	0.07%	0.020%
143	12.355	12.330	12.382	PV	412	6250	0.10%	0.027%
144	12.415	12.382	12.460	VV	875	17873	0.28%	0.077%
145	12.469	12.460	12.495	VV	158	2739	0.04%	0.012%
146	12.513	12.495	12.556	VV	564	9496	0.15%	0.041%
147	12.571	12.556	12.605	VV	113	2698	0.04%	0.012%
148	12.664	12.605	12.739	VV	17872	217910	3.43%	0.943%
149	12.760	12.739	12.773	VV	639	10760	0.17%	0.047%
150	12.789	12.773	12.848	VV	829	22538	0.35%	0.098%
151	12.874	12.848	12.895	VV	576	11949	0.19%	0.052%
152	12.903	12.895	12.936	VV	441	7029	0.11%	0.030%
153	12.959	12.936	12.974	VV	483	7264	0.11%	0.031%
154	13.002	12.974	13.038	VV	842	17193	0.27%	0.074%
155	13.063	13.038	13.105	VV	1455	24275	0.38%	0.105%
156	13.150	13.105	13.175	VV	1927	38600	0.61%	0.167%
157	13.180	13.175	13.228	VV	596	8771	0.14%	0.038%
158	13.277	13.228	13.292	VV	297	6465	0.10%	0.028%
159	13.318	13.292	13.365	VV	352	9759	0.15%	0.042%
160	13.382	13.365	13.397	VV	232	3916	0.06%	0.017%
161	13.426	13.397	13.451	VV	474	11920	0.19%	0.052%
162	13.513	13.451	13.608	VV	440105	5206003	81.94%	22.536%
163	13.624	13.608	13.658	VV	942	18486	0.29%	0.080%
164	13.679	13.658	13.778	VV	1130	35013	0.55%	0.152%
165	13.804	13.778	13.843	VV	308	9067	0.14%	0.039%
166	13.908	13.843	13.978	VV	887	33657	0.53%	0.146%
167	13.983	13.978	13.994	VV	226	2211	0.03%	0.010%
168	14.029	13.994	14.047	VV	307	8817	0.14%	0.038%
169	14.056	14.047	14.071	VV	359	4863	0.08%	0.021%
170	14.122	14.071	14.168	VV	501	20681	0.33%	0.090%
171	14.216	14.168	14.242	VV	1680	34179	0.54%	0.148%
172	14.265	14.242	14.350	VV	1327	32833	0.52%	0.142%
173	14.364	14.350	14.398	VV	302	5169	0.08%	0.022%
174	14.404	14.398	14.460	VV	140	3594	0.06%	0.016%
175	14.492	14.460	14.531	VV	306	7422	0.12%	0.032%
176	14.538	14.531	14.561	VV	167	1985	0.03%	0.009%
177	14.705	14.561	14.730	VV	1271	39635	0.62%	0.172%
178	14.775	14.730	14.808	VV	645	17679	0.28%	0.077%
179	14.831	14.808	14.849	VV	937	13989	0.22%	0.061%
180	14.867	14.849	14.886	VV	578	9017	0.14%	0.039%
181	14.902	14.886	14.943	VV	529	12029	0.19%	0.052%
182	14.959	14.943	15.012	VV	432	9557	0.15%	0.041%
183	15.032	15.012	15.041	PV	107	1217	0.02%	0.005%
184	15.061	15.041	15.108	VV	274	6390	0.10%	0.028%
185	15.119	15.108	15.126	VV	114	1193	0.02%	0.005%
186	15.145	15.126	15.166	VV	199	2685	0.04%	0.012%
187	15.207	15.166	15.258	VV	233	7828	0.12%	0.034%
188	15.263	15.258	15.283	VV	194	2191	0.03%	0.009%
189	15.330	15.283	15.349	VV	2525	41794	0.66%	0.181%
190	15.370	15.349	15.397	VV	3235	56147	0.88%	0.243%
191	15.419	15.397	15.471	VV	2959	47091	0.74%	0.204%
192	15.477	15.471	15.535	VV	310	5257	0.08%	0.023%
193	15.560	15.535	15.595	VV	311	5804	0.09%	0.025%
194	15.629	15.595	15.641	VV	183	2145	0.03%	0.009%

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195	15.646	15.641	15.650	VV	53	240	0.00%	0.001%
196	15.678	15.650	15.696	VV	99	1968	0.03%	0.009%
197	15.764	15.696	15.872	VV	10965	337130	5.31%	1.459%
198	15.894	15.872	15.938	VV	1969	39687	0.62%	0.172%
199	15.975	15.938	16.045	VV	4703	74998	1.18%	0.325%
200	16.069	16.045	16.086	VV	124	2427	0.04%	0.011%
201	16.134	16.086	16.174	PV	147	2651	0.04%	0.011%
202	16.218	16.174	16.244	VV	224	5199	0.08%	0.023%
203	16.295	16.244	16.335	PV	437	13912	0.22%	0.060%
204	16.359	16.335	16.373	VV	548	9191	0.14%	0.040%
205	16.396	16.373	16.445	VV	1880	29987	0.47%	0.130%
206	16.461	16.445	16.498	VV	635	9939	0.16%	0.043%
207	16.534	16.498	16.560	VV	297	5464	0.09%	0.024%
208	16.576	16.560	16.630	PV	213	4376	0.07%	0.019%
209	16.641	16.630	16.666	VV	97	967	0.02%	0.004%
210	16.700	16.666	16.724	PV	218	3792	0.06%	0.016%
211	16.792	16.724	16.824	VV	871	24160	0.38%	0.105%
212	16.846	16.824	16.860	VV	1278	20556	0.32%	0.089%
213	16.883	16.860	16.906	VV	3251	55493	0.87%	0.240%
214	16.922	16.906	16.947	VV	1733	31597	0.50%	0.137%
215	16.962	16.947	17.008	VV	1183	21169	0.33%	0.092%
216	17.048	17.008	17.058	VV	210	5104	0.08%	0.022%
217	17.078	17.058	17.107	VV	177	3135	0.05%	0.014%
218	17.125	17.107	17.156	VV	103	1942	0.03%	0.008%
219	17.238	17.156	17.248	PV	256	5356	0.08%	0.023%
220	17.277	17.248	17.301	VV	1865	31158	0.49%	0.135%
221	17.313	17.301	17.328	VV	1150	15587	0.25%	0.067%
222	17.348	17.328	17.385	VV	4814	72768	1.15%	0.315%
223	17.398	17.385	17.412	VV	857	10102	0.16%	0.044%
224	17.428	17.412	17.455	VV	887	13770	0.22%	0.060%
225	17.460	17.455	17.490	VV	240	3672	0.06%	0.016%
226	17.498	17.490	17.511	VV	240	1761	0.03%	0.008%
227	17.523	17.511	17.533	VV	144	1234	0.02%	0.005%
228	17.563	17.533	17.580	VV	172	3241	0.05%	0.014%
229	17.600	17.580	17.665	VV	252	5984	0.09%	0.026%
230	17.699	17.665	17.718	PV	558	9700	0.15%	0.042%
231	17.739	17.718	17.748	VV	538	8062	0.13%	0.035%
232	17.799	17.748	17.856	VV	6540	113418	1.79%	0.491%
233	17.887	17.856	17.921	VV	1041	18474	0.29%	0.080%
234	17.932	17.921	17.941	VV	215	1662	0.03%	0.007%
235	17.989	17.941	17.994	VV	147	3504	0.06%	0.015%
236	18.028	17.994	18.044	PV	301	5889	0.09%	0.025%
237	18.082	18.044	18.101	VV	248	5417	0.09%	0.023%
238	18.124	18.101	18.145	PV	228	3124	0.05%	0.014%
239	18.151	18.145	18.158	VV	118	747	0.01%	0.003%
240	18.197	18.158	18.210	VV	1507	24879	0.39%	0.108%
241	18.237	18.210	18.296	VV	8351	134062	2.11%	0.580%
242	18.328	18.296	18.371	VV	4773	76435	1.20%	0.331%
243	18.431	18.371	18.455	VV	433	12865	0.20%	0.056%
244	18.482	18.455	18.531	VV	692	16314	0.26%	0.071%
245	18.574	18.531	18.588	PV	1433	20948	0.33%	0.091%
246	18.657	18.588	18.675	VV	15037	356840	5.62%	1.545%

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247	18.685	18.675	18.747	VV	11231	202738	3.19%	0.878%
248	18.757	18.747	18.841	VV	1214	32684	0.51%	0.141%
249	18.903	18.841	18.959	VV	7766	146876	2.31%	0.636%
250	18.967	18.959	19.013	VV	561	8940	0.14%	0.039%
251	19.071	19.013	19.130	PV	9325	156056	2.46%	0.676%
252	19.174	19.130	19.211	VV	3728	63634	1.00%	0.275%
253	19.245	19.211	19.269	VV	640	19161	0.30%	0.083%
254	19.279	19.269	19.288	VV	431	4706	0.07%	0.020%
255	19.372	19.288	19.389	VV	775	37924	0.60%	0.164%
256	19.471	19.389	19.540	VV	8804	246789	3.88%	1.068%
257	19.571	19.540	19.591	VV	1569	44230	0.70%	0.191%
258	19.625	19.591	19.650	VV	1606	46248	0.73%	0.200%
259	19.669	19.650	19.688	VV	1241	26503	0.42%	0.115%
260	19.721	19.688	19.740	VV	1228	34507	0.54%	0.149%
261	19.778	19.740	19.801	VV	1487	46036	0.72%	0.199%
262	19.857	19.801	19.879	VV	7915	161272	2.54%	0.698%
263	19.897	19.879	19.915	VV	3739	70571	1.11%	0.305%
264	19.932	19.915	19.950	VV	3450	62465	0.98%	0.270%
265	19.970	19.950	20.017	VV	3246	106865	1.68%	0.463%
266	20.047	20.017	20.075	VV	3211	94960	1.49%	0.411%
267	20.103	20.075	20.117	VV	3012	70967	1.12%	0.307%
268	20.151	20.117	20.173	VV	3211	96844	1.52%	0.419%
269	20.235	20.173	20.268	VV	8473	246666	3.88%	1.068%
270	20.290	20.268	20.301	VV	3301	64644	1.02%	0.280%
271	20.473	20.301	20.521	VV	5092	531846	8.37%	2.302%
272	20.599	20.521	20.638	VV	9403	406779	6.40%	1.761%
273	20.771	20.638	20.800	VV	7319	576575	9.08%	2.496%
274	20.881	20.800	20.901	VV	6638	392426	6.18%	1.699%
275	20.967	20.901	21.001	VV	8324	417990	6.58%	1.809%
276	21.084	21.001	21.293	VV	8235	1082919	17.05%	4.688%
277	21.298	21.293	21.305	VV	4249	31756	0.50%	0.137%
278	21.375	21.305	21.465	VV	7323	448446	7.06%	1.941%
279	21.481	21.465	21.495	VV	3387	59887	0.94%	0.259%
280	21.499	21.495	21.506	VV	3273	21656	0.34%	0.094%
281	21.708	21.506	21.775	VV	3260	507046	7.98%	2.195%
282	21.837	21.775	21.878	VV	3266	170812	2.69%	0.739%
283	21.887	21.878	21.918	VV	2254	51238	0.81%	0.222%
284	21.945	21.918	22.009	VV	2046	102339	1.61%	0.443%
285	22.024	22.009	22.041	VV	1578	29859	0.47%	0.129%
286	22.068	22.041	22.089	VV	1400	39418	0.62%	0.171%
287	22.096	22.089	22.220	VV	1279	52648	0.83%	0.228%
288	22.258	22.220	22.271	VV	118	2937	0.05%	0.013%
Sum of corrected areas:					23100792			

Aliphatic EPH 082925.M Thu Sep 04 06:08:38 2025

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-4	SDG No.:	Q3001
Lab Sample ID:	Q3001-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.1
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 20:00	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.32		1	1.31	2.21	mg/kg	FE055648.D
Aliphatic C9-C28	Aliphatic C9-C28	1.86	J	1	1.01	4.44	mg/kg	FE055648.D
Total AliphaticEPH	Total AliphaticEPH	6.18	J		2.32	6.65	mg/kg	
Total EPH	Total EPH	6.18	J		2.32	6.65	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-4	SDG No.:	Q3001
Lab Sample ID:	Q3001-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.1
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 20:00	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.32		1	1.31	2.21	mg/kg	FE055648.D
Aliphatic C9-C28	Aliphatic C9-C28	1.86	J	1	1.01	4.44	mg/kg	FE055648.D
Total AliphaticEPH	Total AliphaticEPH	6.18	J		2.32	6.65	mg/kg	
Total EPH	Total EPH	6.18	J		2.32	6.65	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-4	SDG No.:	Q3001
Lab Sample ID:	Q3001-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055648.D	1	09/03/25	09/03/25	PB169516

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.86	J	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.32		1.31	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.5		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.7		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3001-04	Acq On:	03 Sep 2025 20:00
Client Sample ID:	S-4	Operator:	YP\AJ
Data file:	FE055648.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	606422	4.723	300	ug/ml
Aliphatic C12-C16	6.949	10.401	716801	5.306	200	ug/ml
Aliphatic C16-C21	10.402	13.781	951825	6.6	300	ug/ml
Aliphatic C21-C28	13.782	17.452	1230150	8.588	400	ug/ml
Aliphatic C28-C40	17.453	22.470	8065651	58.566	600	ug/ml
Aliphatic EPH	3.314	22.470	11570849	83.783		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	5372381	32.7		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	4433805	35.46		ug/ml
Aliphatic C9-C28	3.314	17.452	3505198	25.217	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
 Data File : FE055648.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 20:00
 Operator : YP\AJ
 Sample : Q3001-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 S-4

Integration File: autoint1.e
 Quant Time: Sep 04 05:14:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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)	12.075	5372381	32.702 ug/ml
Spiked Amount 50.000		Recovery =	65.40%
12) S 1-chlorooctadecane (S...	13.512	4433805	35.458 ug/ml
Spiked Amount 50.000		Recovery =	70.92%

Target Compounds

(f)=RT Delta > 1/2 Window

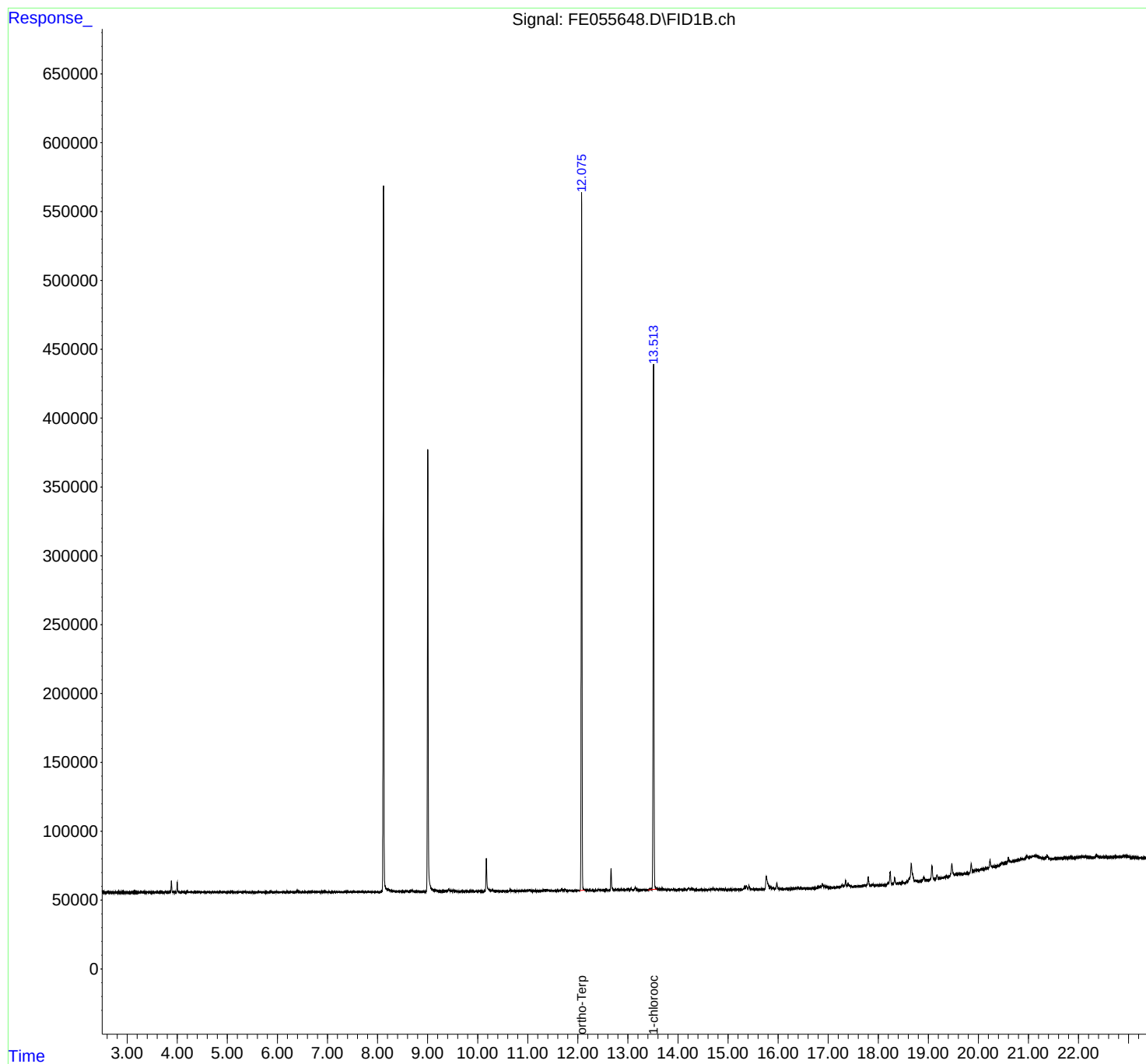
(m)=manual int.

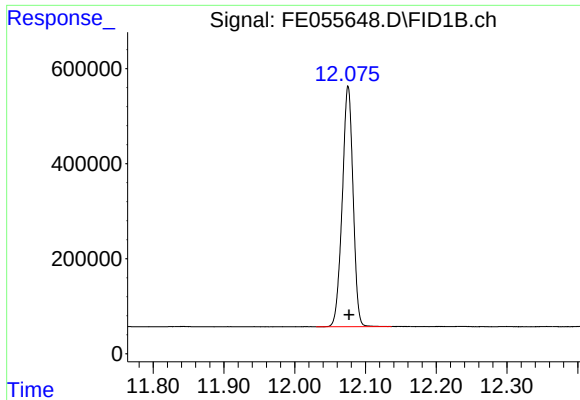
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
Data File : FE055648.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 20:00
Operator : YP\AJ
Sample : Q3001-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-4

Integration File: autoint1.e
Quant Time: Sep 04 05:14:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

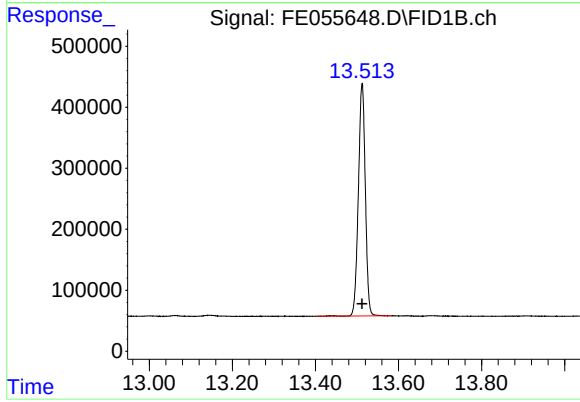




#9 ortho-Terphenyl (SURR)

R.T.: 12.075 min
Delta R.T.: -0.001 min
Response: 5372381
Conc: 32.70 ug/ml

Instrument :
FID_E
ClientSampleId :
S-4



#12 1-chlorooctadecane (SURR)

R.T.: 13.512 min
Delta R.T.: 0.000 min
Response: 4433805
Conc: 35.46 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
 Data File : FE055648.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 20:00
 Sample : Q3001-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.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	2.835	2.804	2.881	PV	286	4243	0.08%	0.020%
2	2.904	2.881	2.916	PV	114	1824	0.03%	0.008%
3	2.944	2.916	2.978	VV	133	3558	0.07%	0.017%
4	3.003	2.978	3.071	VV	163	5758	0.11%	0.027%
5	3.104	3.071	3.134	PV	149	3263	0.06%	0.015%
6	3.145	3.134	3.168	VV	212	3038	0.06%	0.014%
7	3.173	3.168	3.212	VV	207	4287	0.08%	0.020%
8	3.220	3.212	3.231	VV	160	1699	0.03%	0.008%
9	3.269	3.231	3.301	VV	460	11928	0.22%	0.055%
10	3.309	3.301	3.361	VV	419	11100	0.20%	0.052%
11	3.409	3.361	3.504	VV	418	20328	0.37%	0.094%
12	3.568	3.504	3.584	VV	288	9828	0.18%	0.046%
13	3.595	3.584	3.678	VV	396	13422	0.25%	0.062%
14	3.689	3.678	3.694	VV	262	2318	0.04%	0.011%
15	3.702	3.694	3.711	VV	296	2377	0.04%	0.011%
16	3.724	3.711	3.754	VV	260	5837	0.11%	0.027%
17	3.769	3.754	3.828	VV	261	9067	0.17%	0.042%
18	3.848	3.828	3.861	VV	603	8242	0.15%	0.038%
19	3.883	3.861	3.934	VV	8451	88328	1.63%	0.410%
20	3.947	3.934	3.978	VV	246	4927	0.09%	0.023%
21	4.000	3.978	4.061	VV	7328	76364	1.41%	0.354%
22	4.092	4.061	4.171	VV	418	17766	0.33%	0.082%
23	4.204	4.171	4.248	VV	743	16018	0.30%	0.074%
24	4.259	4.248	4.298	VV	431	9838	0.18%	0.046%
25	4.318	4.298	4.341	VV	334	6739	0.12%	0.031%
26	4.350	4.341	4.361	VV	280	2443	0.05%	0.011%
27	4.438	4.361	4.513	VV	438	28675	0.53%	0.133%
28	4.524	4.513	4.548	VV	377	6604	0.12%	0.031%
29	4.567	4.548	4.590	VV	441	7978	0.15%	0.037%
30	4.617	4.590	4.651	VV	302	8330	0.15%	0.039%
31	4.670	4.651	4.681	VV	501	5092	0.09%	0.024%
32	4.713	4.681	4.768	PV	240	9073	0.17%	0.042%
33	4.793	4.768	4.811	VV	246	5298	0.10%	0.025%
34	4.839	4.811	4.856	VV	503	6986	0.13%	0.032%
35	4.866	4.856	4.881	VV	226	2879	0.05%	0.013%
36	4.909	4.881	4.934	VV	231	6269	0.12%	0.029%

					rteres			
37	4.965	4.934	4.985	VV	245	5316	0.10%	0.025%
38	5.092	4.985	5.103	VV	297	14670	0.27%	0.068%
39	5.113	5.103	5.181	VV	183	6780	0.12%	0.031%
40	5.201	5.181	5.241	VV	172	4109	0.08%	0.019%
41	5.253	5.241	5.271	VV	151	2123	0.04%	0.010%
42	5.334	5.271	5.368	VV	230	7259	0.13%	0.034%
43	5.401	5.368	5.472	VV	238	9099	0.17%	0.042%
44	5.497	5.472	5.568	VV	143	5875	0.11%	0.027%
45	5.620	5.568	5.764	VV	508	16001	0.29%	0.074%
46	5.812	5.764	5.834	VV	287	4339	0.08%	0.020%
47	5.855	5.834	5.941	VV	752	17339	0.32%	0.080%
48	5.972	5.941	6.041	VV	224	7721	0.14%	0.036%
49	6.060	6.041	6.101	VV	206	5095	0.09%	0.024%
50	6.136	6.101	6.155	VV	256	4702	0.09%	0.022%
51	6.186	6.155	6.244	VV	278	6551	0.12%	0.030%
52	6.394	6.244	6.471	VV	1035	31854	0.59%	0.148%
53	6.496	6.471	6.531	VV	253	8005	0.15%	0.037%
54	6.552	6.531	6.613	VV	414	11214	0.21%	0.052%
55	6.639	6.613	6.664	VV	259	5690	0.10%	0.026%
56	6.687	6.664	6.771	VV	508	15318	0.28%	0.071%
57	6.785	6.771	6.824	VV	207	5698	0.11%	0.026%
58	6.843	6.824	6.900	VV	243	7336	0.14%	0.034%
59	6.929	6.900	7.074	VV	821	23302	0.43%	0.108%
60	7.097	7.074	7.114	VV	136	1859	0.03%	0.009%
61	7.180	7.114	7.201	VV	168	4333	0.08%	0.020%
62	7.219	7.201	7.237	VV	71	1600	0.03%	0.007%
63	7.262	7.237	7.308	VV	370	6358	0.12%	0.030%
64	7.341	7.308	7.467	VV	335	22629	0.42%	0.105%
65	7.492	7.467	7.511	VV	304	6115	0.11%	0.028%
66	7.527	7.511	7.558	VV	429	7465	0.14%	0.035%
67	7.574	7.558	7.604	VV	237	4546	0.08%	0.021%
68	7.665	7.604	7.701	VV	277	8754	0.16%	0.041%
69	7.723	7.701	7.774	VV	229	7314	0.13%	0.034%
70	7.808	7.774	7.848	VV	316	7787	0.14%	0.036%
71	7.863	7.848	7.891	VV	230	3296	0.06%	0.015%
72	7.928	7.891	8.001	VV	193	7223	0.13%	0.034%
73	8.410	8.394	8.451	VV	401	11214	0.21%	0.052%
74	8.464	8.451	8.480	VV	371	5457	0.10%	0.025%
75	8.578	8.480	8.624	VV	618	32995	0.61%	0.153%
76	8.686	8.624	8.764	VV	1066	36598	0.67%	0.170%
77	8.805	8.764	8.893	VV	499	17471	0.32%	0.081%
78	8.911	8.893	8.951	VV	207	4196	0.08%	0.019%
79	9.318	9.294	9.370	VV	406	16929	0.31%	0.079%
80	9.420	9.370	9.448	VV	1474	37196	0.69%	0.173%
81	9.463	9.448	9.491	VV	915	15202	0.28%	0.071%
82	9.514	9.491	9.640	VV	836	30444	0.56%	0.141%
83	9.700	9.640	9.728	VV	274	9749	0.18%	0.045%
84	9.749	9.728	9.828	VV	116	4990	0.09%	0.023%
85	9.855	9.828	9.874	VV	258	5512	0.10%	0.026%
86	9.900	9.874	9.961	VV	622	16594	0.31%	0.077%
87	9.970	9.961	10.018	VV	268	6480	0.12%	0.030%
88	10.076	10.018	10.098	VV	165	6056	0.11%	0.028%
89	10.173	10.098	10.272	VV	23643	343342	6.33%	1.594%

					rteres			
90	10.297	10.272	10.380	VV	1064	27097	0.50%	0.126%
91	10.403	10.380	10.438	VV	242	5337	0.10%	0.025%
92	10.458	10.438	10.554	VV	252	7232	0.13%	0.034%
93	10.568	10.554	10.608	PV	150	2643	0.05%	0.012%
94	10.647	10.608	10.674	PV	1172	17061	0.31%	0.079%
95	10.693	10.674	10.728	VV	370	10433	0.19%	0.048%
96	10.749	10.728	10.814	VV	342	14578	0.27%	0.068%
97	10.830	10.814	10.861	VV	351	6726	0.12%	0.031%
98	10.965	10.861	10.981	VV	730	29124	0.54%	0.135%
99	10.999	10.981	11.024	VV	735	15389	0.28%	0.071%
100	11.040	11.024	11.081	VV	1023	17559	0.32%	0.082%
101	11.144	11.081	11.221	VV	656	24183	0.45%	0.112%
102	11.262	11.221	11.284	VV	403	9710	0.18%	0.045%
103	11.316	11.284	11.358	VV	649	20810	0.38%	0.097%
104	11.387	11.358	11.481	VV	767	32326	0.60%	0.150%
105	11.492	11.481	11.531	VV	330	7373	0.14%	0.034%
106	11.550	11.531	11.579	VV	304	5736	0.11%	0.027%
107	11.608	11.579	11.651	VV	414	11380	0.21%	0.053%
108	11.679	11.651	11.704	VV	1861	27040	0.50%	0.126%
109	11.749	11.704	11.801	VV	1275	32149	0.59%	0.149%
110	11.841	11.801	11.891	VV	738	17369	0.32%	0.081%
111	11.909	11.891	11.925	VV	261	4091	0.08%	0.019%
112	11.942	11.925	11.964	VV	255	4510	0.08%	0.021%
113	12.075	11.964	12.191	VV	505936	5424559	100.00%	25.182%
114	12.235	12.191	12.281	VV	824	24937	0.46%	0.116%
115	12.299	12.281	12.330	VV	548	9079	0.17%	0.042%
116	12.357	12.330	12.381	VV	513	9273	0.17%	0.043%
117	12.415	12.381	12.457	VV	1017	23801	0.44%	0.110%
118	12.515	12.457	12.567	VV	742	23582	0.43%	0.109%
119	12.589	12.567	12.611	VV	281	6195	0.11%	0.029%
120	12.664	12.611	12.738	VV	15892	208810	3.85%	0.969%
121	12.790	12.738	12.843	VV	746	37238	0.69%	0.173%
122	12.875	12.843	12.934	VV	666	26856	0.50%	0.125%
123	13.002	12.934	13.034	VV	1044	36277	0.67%	0.168%
124	13.062	13.034	13.106	VV	1609	32639	0.60%	0.152%
125	13.146	13.106	13.254	VV	1987	61288	1.13%	0.285%
126	13.281	13.254	13.301	VV	453	9290	0.17%	0.043%
127	13.325	13.301	13.388	VV	449	17940	0.33%	0.083%
128	13.439	13.388	13.468	VV	1208	29992	0.55%	0.139%
129	13.512	13.468	13.611	VV	381166	4495154	82.87%	20.868%
130	13.621	13.611	13.658	VV	1036	19617	0.36%	0.091%
131	13.680	13.658	13.751	VV	1128	36596	0.67%	0.170%
132	13.767	13.751	13.833	VV	378	15656	0.29%	0.073%
133	13.909	13.833	13.995	VV	803	37684	0.69%	0.175%
134	14.046	13.995	14.064	VV	424	13146	0.24%	0.061%
135	14.079	14.064	14.104	VV	401	8650	0.16%	0.040%
136	14.125	14.104	14.161	VV	528	12854	0.24%	0.060%
137	14.215	14.161	14.244	VV	1763	37761	0.70%	0.175%
138	14.266	14.244	14.341	VV	1264	33327	0.61%	0.155%
139	14.357	14.341	14.441	VV	395	12184	0.22%	0.057%
140	14.490	14.441	14.548	VV	322	10973	0.20%	0.051%
141	14.558	14.548	14.588	VV	170	2984	0.06%	0.014%

					rteres			
142	14.704	14.588	14.738	VV	1094	34865	0.64%	0.162%
143	14.777	14.738	14.808	VV	630	16316	0.30%	0.076%
144	14.831	14.808	14.886	VV	720	18126	0.33%	0.084%
145	14.904	14.886	14.924	VV	513	7545	0.14%	0.035%
146	14.957	14.924	15.040	VV	377	13750	0.25%	0.064%
147	15.060	15.040	15.101	VV	148	3976	0.07%	0.018%
148	15.108	15.101	15.123	VV	142	1177	0.02%	0.005%
149	15.143	15.123	15.168	PV	176	2934	0.05%	0.014%
150	15.248	15.168	15.294	VV	235	11812	0.22%	0.055%
151	15.330	15.294	15.347	VV	2250	37754	0.70%	0.175%
152	15.368	15.347	15.396	VV	2704	49696	0.92%	0.231%
153	15.418	15.396	15.538	VV	2530	49911	0.92%	0.232%
154	15.563	15.538	15.593	VV	274	5811	0.11%	0.027%
155	15.630	15.593	15.650	PV	255	3948	0.07%	0.018%
156	15.675	15.650	15.697	PV	143	3000	0.06%	0.014%
157	15.765	15.697	15.873	VV	9102	295270	5.44%	1.371%
158	15.892	15.873	15.934	VV	1247	28806	0.53%	0.134%
159	15.975	15.934	16.118	VV	4662	83927	1.55%	0.390%
160	16.214	16.118	16.254	PV	213	9156	0.17%	0.043%
161	16.359	16.254	16.373	VV	546	21166	0.39%	0.098%
162	16.396	16.373	16.441	VV	1259	20399	0.38%	0.095%
163	16.460	16.441	16.498	VV	610	10122	0.19%	0.047%
164	16.525	16.498	16.561	VV	301	5871	0.11%	0.027%
165	16.638	16.561	16.658	VV	151	5337	0.10%	0.025%
166	16.699	16.658	16.724	PV	166	3577	0.07%	0.017%
167	16.798	16.724	16.818	VV	844	21523	0.40%	0.100%
168	16.884	16.818	16.948	VV	2640	97319	1.79%	0.452%
169	16.962	16.948	16.996	VV	1065	17268	0.32%	0.080%
170	17.023	16.996	17.050	VV	203	4809	0.09%	0.022%
171	17.220	17.050	17.244	VV	382	13189	0.24%	0.061%
172	17.278	17.244	17.298	VV	1423	24540	0.45%	0.114%
173	17.348	17.298	17.375	VV	4400	79744	1.47%	0.370%
174	17.398	17.375	17.489	VV	2756	57943	1.07%	0.269%
175	17.509	17.489	17.528	VV	140	2914	0.05%	0.014%
176	17.557	17.528	17.579	VV	293	4775	0.09%	0.022%
177	17.700	17.579	17.717	PV	482	14807	0.27%	0.069%
178	17.799	17.717	17.861	VV	6626	121618	2.24%	0.565%
179	17.885	17.861	17.921	VV	857	14979	0.28%	0.070%
180	18.023	17.921	18.044	VV	235	5494	0.10%	0.026%
181	18.085	18.044	18.108	PV	180	2830	0.05%	0.013%
182	18.237	18.108	18.298	PV	9148	164889	3.04%	0.765%
183	18.329	18.298	18.371	VV	4346	68897	1.27%	0.320%
184	18.433	18.371	18.461	VV	507	18329	0.34%	0.085%
185	18.481	18.461	18.538	VV	782	18335	0.34%	0.085%
186	18.659	18.538	18.748	PV	13377	443532	8.18%	2.059%
187	18.761	18.748	18.824	VV	1045	24369	0.45%	0.113%
188	18.907	18.824	18.998	VV	2818	69231	1.28%	0.321%
189	19.072	18.998	19.134	PV	10280	174729	3.22%	0.811%
190	19.174	19.134	19.213	VV	3284	60506	1.12%	0.281%
191	19.243	19.213	19.264	VV	717	16121	0.30%	0.075%
192	19.371	19.264	19.389	VV	780	45271	0.83%	0.210%
193	19.470	19.389	19.534	VV	9632	256889	4.74%	1.193%
194	19.569	19.534	19.598	VV	1861	62836	1.16%	0.292%

					rteres			
195	19.627	19.598	19.654	VV	1671	53427	0.98%	0.248%
196	19.673	19.654	19.694	VV	1483	33165	0.61%	0.154%
197	19.721	19.694	19.744	VV	1561	41597	0.77%	0.193%
198	19.773	19.744	19.797	VV	1598	41965	0.77%	0.195%
199	19.857	19.797	19.909	VV	8113	204491	3.77%	0.949%
200	19.969	19.909	20.011	VV	3155	161780	2.98%	0.751%
201	20.048	20.011	20.074	VV	3155	102622	1.89%	0.476%
202	20.147	20.074	20.178	VV	3210	184291	3.40%	0.856%
203	20.234	20.178	20.275	VV	8506	266919	4.92%	1.239%
204	20.478	20.275	20.495	VV	5321	539810	9.95%	2.506%
205	20.599	20.495	20.652	VV	8807	550143	10.14%	2.554%
206	20.772	20.652	20.801	VV	6554	528294	9.74%	2.452%
207	20.969	20.801	21.004	VV	8246	818807	15.09%	3.801%
208	21.141	21.004	21.328	VV	7359	1239829	22.86%	5.756%
209	21.375	21.328	21.468	VV	6431	388005	7.15%	1.801%
210	21.605	21.468	21.628	VV	3368	330848	6.10%	1.536%
211	21.710	21.628	21.768	VV	3394	265133	4.89%	1.231%
212	21.835	21.768	21.888	VV	3148	202741	3.74%	0.941%
213	21.907	21.888	21.931	VV	2394	60442	1.11%	0.281%
214	22.094	21.931	22.294	VV	2213	384159	7.08%	1.783%
215	22.363	22.294	22.463	VV	1754	75832	1.40%	0.352%

Sum of corrected areas: 21541257

Aliphatic EPH 082925.M Thu Sep 04 06:09:29 2025

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-5	SDG No.:	Q3001
Lab Sample ID:	Q3001-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 20:30	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.87		1	1.29	2.19	mg/kg	FE055649.D
Aliphatic C9-C28	Aliphatic C9-C28	15.3		1	1.00	4.37	mg/kg	FE055649.D
Total AliphaticEPH	Total AliphaticEPH	19.2			2.29	6.56	mg/kg	
Total EPH	Total EPH	19.2			2.29	6.56	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-5	SDG No.:	Q3001
Lab Sample ID:	Q3001-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 20:30	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.87		1	1.29	2.19	mg/kg	FE055649.D
Aliphatic C9-C28	Aliphatic C9-C28	15.3		1	1.00	4.37	mg/kg	FE055649.D
Total AliphaticEPH	Total AliphaticEPH	19.2			2.29	6.56	mg/kg	
Total EPH	Total EPH	19.2			2.29	6.56	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-5	SDG No.:	Q3001
Lab Sample ID:	Q3001-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055649.D	1	09/03/25	09/03/25	PB169516

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	15.3		1.00	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.87		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.1		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.5		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3001-05	Acq On:	03 Sep 2025 20:30
Client Sample ID:	S-5	Operator:	YP\AJ
Data file:	FE055649.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	500001	3.894	300	ug/ml
Aliphatic C12-C16	6.949	10.401	894315	6.62	200	ug/ml
Aliphatic C16-C21	10.402	13.781	20657338	143.238	300	ug/ml
Aliphatic C21-C28	13.782	17.452	8215852	57.359	400	ug/ml
Aliphatic C28-C40	17.453	22.470	7316963	53.129	600	ug/ml
Aliphatic EPH	3.314	22.470	37584469	264.24		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	5509858	33.54		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	4514161	36.1		ug/ml
Aliphatic C9-C28	3.314	17.452	30267506	211.111	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
 Data File : FE055649.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 20:30
 Operator : YP\AJ
 Sample : Q3001-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 S-5

Integration File: autoint1.e
 Quant Time: Sep 04 05:15:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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)	12.076	5509858	33.539 ug/ml
Spiked Amount 50.000		Recovery =	67.08%
12) S 1-chlorooctadecane (S...	13.513	4514161	36.100 ug/ml
Spiked Amount 50.000		Recovery =	72.20%

Target Compounds

(f)=RT Delta > 1/2 Window

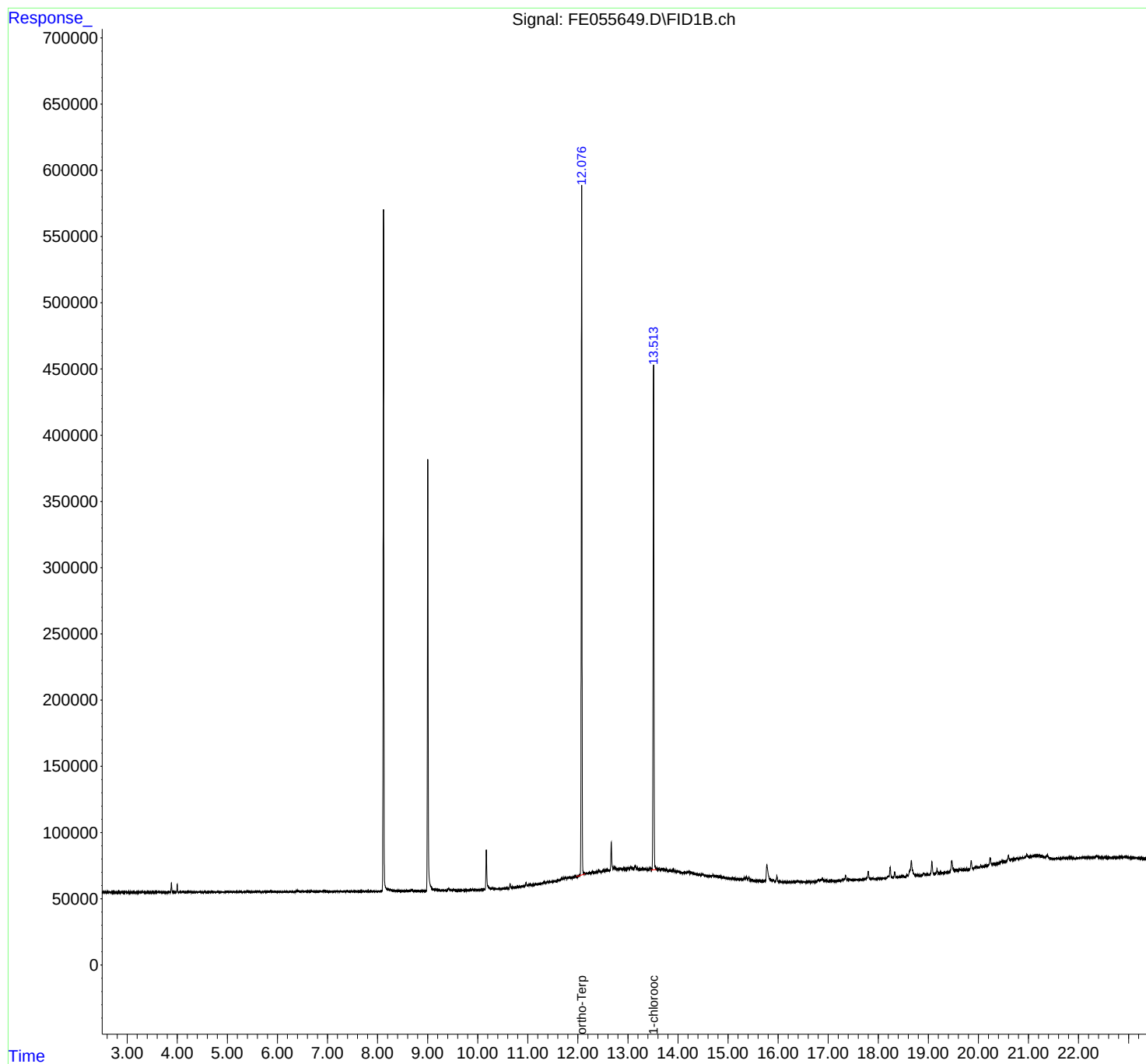
(m)=manual int.

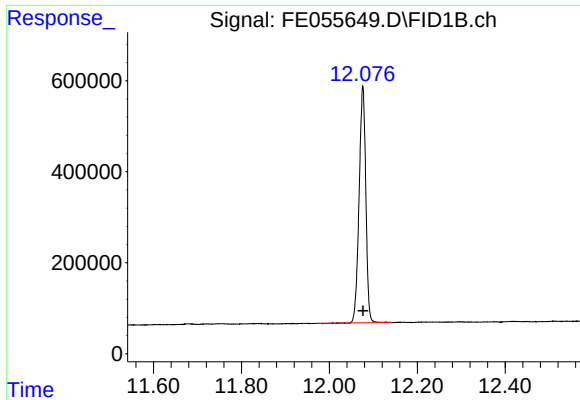
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
Data File : FE055649.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 20:30
Operator : YP\AJ
Sample : Q3001-05
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-5

Integration File: autoint1.e
Quant Time: Sep 04 05:15:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

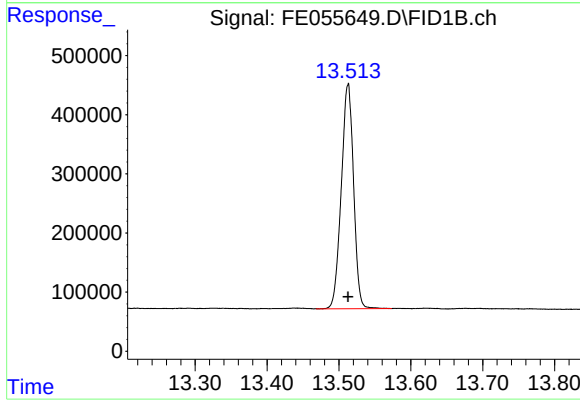




#9 ortho-Terphenyl (SURR)

R.T.: 12.076 min
Delta R.T.: 0.000 min
Response: 5509858
Conc: 33.54 ug/ml

Instrument :
FID_E
ClientSampleId :
S-5



#12 1-chlorooctadecane (SURR)

R.T.: 13.513 min
Delta R.T.: 0.000 min
Response: 4514161
Conc: 36.10 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
 Data File : FE055649.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 20:30
 Sample : Q3001-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.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	2.834	2.801	2.863	BV	320	3900	0.05%	0.009%
2	2.872	2.863	2.925	PV	93	3116	0.04%	0.007%
3	2.933	2.925	2.982	PV	92	1621	0.02%	0.004%
4	3.034	2.982	3.062	PV	194	3938	0.05%	0.009%
5	3.071	3.062	3.086	VV	40	618	0.01%	0.001%
6	3.096	3.086	3.124	VV	132	1569	0.02%	0.004%
7	3.151	3.124	3.179	VV	229	3322	0.05%	0.007%
8	3.186	3.179	3.208	VV	83	1274	0.02%	0.003%
9	3.216	3.208	3.231	VV	133	966	0.01%	0.002%
10	3.270	3.231	3.299	VV	311	7672	0.11%	0.017%
11	3.309	3.299	3.361	VV	410	7830	0.11%	0.017%
12	3.363	3.361	3.372	VV	153	698	0.01%	0.002%
13	3.412	3.372	3.445	VV	259	6657	0.09%	0.015%
14	3.458	3.445	3.541	VV	125	5350	0.07%	0.012%
15	3.576	3.541	3.583	PV	232	3598	0.05%	0.008%
16	3.596	3.583	3.651	VV	392	8399	0.12%	0.019%
17	3.661	3.651	3.678	VV	245	2383	0.03%	0.005%
18	3.684	3.678	3.744	VV	192	5190	0.07%	0.012%
19	3.759	3.744	3.767	VV	190	1912	0.03%	0.004%
20	3.774	3.767	3.808	VV	163	2675	0.04%	0.006%
21	3.848	3.808	3.862	VV	448	6646	0.09%	0.015%
22	3.883	3.862	3.975	VV	7153	73660	1.02%	0.164%
23	4.000	3.975	4.068	VV	6077	60118	0.84%	0.134%
24	4.094	4.068	4.104	VV	240	3889	0.05%	0.009%
25	4.127	4.104	4.179	VV	272	5959	0.08%	0.013%
26	4.204	4.179	4.229	VV	592	9106	0.13%	0.020%
27	4.254	4.229	4.361	VV	418	15314	0.21%	0.034%
28	4.412	4.361	4.424	VV	223	5223	0.07%	0.012%
29	4.447	4.424	4.496	VV	273	7077	0.10%	0.016%
30	4.511	4.496	4.541	VV	181	2609	0.04%	0.006%
31	4.559	4.541	4.569	VV	230	2458	0.03%	0.005%
32	4.583	4.569	4.651	VV	209	4929	0.07%	0.011%
33	4.671	4.651	4.697	VV	212	3752	0.05%	0.008%
34	4.724	4.697	4.745	PV	158	2968	0.04%	0.007%
35	4.754	4.745	4.764	VV	130	1124	0.02%	0.003%
36	4.785	4.764	4.821	VV	159	2954	0.04%	0.007%

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37	4.840	4.821	4.871	VV	333	4887	0.07%	0.011%
38	4.901	4.871	4.931	VV	119	2516	0.03%	0.006%
39	4.944	4.931	4.968	VV	152	2581	0.04%	0.006%
40	4.985	4.968	4.998	VV	161	2790	0.04%	0.006%
41	5.034	4.998	5.051	VV	181	4704	0.07%	0.010%
42	5.070	5.051	5.138	VV	232	7744	0.11%	0.017%
43	5.170	5.138	5.207	VV	211	5998	0.08%	0.013%
44	5.253	5.207	5.296	VV	185	6399	0.09%	0.014%
45	5.335	5.296	5.361	VV	264	7438	0.10%	0.017%
46	5.400	5.361	5.428	VV	288	9217	0.13%	0.021%
47	5.440	5.428	5.451	VV	225	2490	0.03%	0.006%
48	5.462	5.451	5.474	VV	175	2291	0.03%	0.005%
49	5.498	5.474	5.517	VV	243	4348	0.06%	0.010%
50	5.535	5.517	5.549	VV	188	3044	0.04%	0.007%
51	5.561	5.549	5.572	VV	182	2043	0.03%	0.005%
52	5.618	5.572	5.707	VV	722	18357	0.26%	0.041%
53	5.714	5.707	5.725	VV	178	1377	0.02%	0.003%
54	5.750	5.725	5.758	VV	127	2133	0.03%	0.005%
55	5.765	5.758	5.775	VV	112	784	0.01%	0.002%
56	5.812	5.775	5.834	VV	263	5218	0.07%	0.012%
57	5.853	5.834	5.918	VV	831	18703	0.26%	0.042%
58	5.927	5.918	5.951	VV	242	3480	0.05%	0.008%
59	5.961	5.951	5.984	VV	183	2704	0.04%	0.006%
60	5.995	5.984	6.035	VV	180	3825	0.05%	0.009%
61	6.043	6.035	6.121	VV	182	6826	0.09%	0.015%
62	6.136	6.121	6.166	VV	318	3708	0.05%	0.008%
63	6.184	6.166	6.244	VV	255	4672	0.06%	0.010%
64	6.265	6.244	6.288	VV	86	1940	0.03%	0.004%
65	6.301	6.288	6.314	VV	109	1387	0.02%	0.003%
66	6.359	6.314	6.369	VV	306	5822	0.08%	0.013%
67	6.393	6.369	6.444	VV	1064	20528	0.29%	0.046%
68	6.450	6.444	6.467	VV	229	2872	0.04%	0.006%
69	6.482	6.467	6.529	VV	332	9430	0.13%	0.021%
70	6.552	6.529	6.590	VV	547	10929	0.15%	0.024%
71	6.614	6.590	6.654	VV	227	8191	0.11%	0.018%
72	6.686	6.654	6.728	VV	629	14418	0.20%	0.032%
73	6.740	6.728	6.771	VV	280	4925	0.07%	0.011%
74	6.808	6.771	6.820	VV	232	5379	0.07%	0.012%
75	6.831	6.820	6.838	VV	289	2390	0.03%	0.005%
76	6.845	6.838	6.878	VV	268	4469	0.06%	0.010%
77	6.928	6.878	6.988	VV	964	22396	0.31%	0.050%
78	6.997	6.988	7.048	VV	155	4273	0.06%	0.010%
79	7.060	7.048	7.155	VV	228	5863	0.08%	0.013%
80	7.171	7.155	7.228	VV	144	4053	0.06%	0.009%
81	7.262	7.228	7.294	VV	438	7431	0.10%	0.017%
82	7.334	7.294	7.374	VV	572	14634	0.20%	0.033%
83	7.388	7.374	7.474	VV	327	14347	0.20%	0.032%
84	7.526	7.474	7.564	VV	311	11462	0.16%	0.026%
85	7.575	7.564	7.611	VV	196	3783	0.05%	0.008%
86	7.664	7.611	7.688	VV	325	8391	0.12%	0.019%
87	7.706	7.688	7.749	VV	331	7999	0.11%	0.018%
88	7.803	7.749	7.837	VV	281	10767	0.15%	0.024%
89	7.860	7.837	7.954	VV	226	8256	0.11%	0.018%

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90	7.980	7.954	8.014	VV	164	2846	0.04%	0.006%
91	8.027	8.014	8.054	PV	69	1916	0.03%	0.004%
92	8.418	8.390	8.444	VV	426	11385	0.16%	0.025%
93	8.458	8.444	8.485	VV	336	7190	0.10%	0.016%
94	8.501	8.485	8.544	VV	286	8260	0.11%	0.018%
95	8.581	8.544	8.653	PV	622	23775	0.33%	0.053%
96	8.688	8.653	8.779	VV	990	30741	0.43%	0.069%
97	8.807	8.779	8.844	VV	291	8111	0.11%	0.018%
98	8.867	8.844	8.951	VV	129	5683	0.08%	0.013%
99	9.321	9.291	9.361	VV	452	15445	0.21%	0.034%
100	9.420	9.361	9.491	VV	1429	49855	0.69%	0.111%
101	9.515	9.491	9.638	VV	802	26386	0.37%	0.059%
102	9.701	9.638	9.766	VV	364	12894	0.18%	0.029%
103	9.898	9.766	9.951	PV	797	34751	0.48%	0.078%
104	9.971	9.951	10.004	VV	395	9936	0.14%	0.022%
105	10.075	10.004	10.097	VV	391	17306	0.24%	0.039%
106	10.173	10.097	10.278	VV	29727	464277	6.45%	1.036%
107	10.297	10.278	10.391	VV	1609	62299	0.87%	0.139%
108	10.466	10.391	10.494	VV	887	48556	0.67%	0.108%
109	10.648	10.494	10.678	VV	4277	143596	2.00%	0.320%
110	10.789	10.678	10.804	VV	2001	124115	1.72%	0.277%
111	10.966	10.804	11.014	VV	5047	318712	4.43%	0.711%
112	11.041	11.014	11.068	VV	3456	98887	1.37%	0.221%
113	11.319	11.068	11.350	VV	4807	622563	8.65%	1.389%
114	11.439	11.350	11.454	VV	5246	303073	4.21%	0.676%
115	11.541	11.454	11.565	VV	5671	357335	4.96%	0.797%
116	11.680	11.565	11.701	VV	7905	518865	7.21%	1.158%
117	11.754	11.701	11.781	VV	8101	361108	5.02%	0.806%
118	11.837	11.781	11.884	VV	8399	481522	6.69%	1.074%
119	12.076	11.884	12.188	VV	518617	7197091	100.00%	16.059%
120	12.234	12.188	12.264	VV	11321	507390	7.05%	1.132%
121	12.295	12.264	12.344	VV	11739	542599	7.54%	1.211%
122	12.419	12.344	12.468	VV	12611	873710	12.14%	1.949%
123	12.512	12.468	12.527	VV	12942	440506	6.12%	0.983%
124	12.593	12.527	12.624	VV	13072	742272	10.31%	1.656%
125	12.668	12.624	12.725	VV	33811	1054870	14.66%	2.354%
126	12.737	12.725	12.821	VV	14767	794950	11.05%	1.774%
127	12.857	12.821	12.888	VV	13842	540065	7.50%	1.205%
128	12.912	12.888	12.940	VV	13806	422189	5.87%	0.942%
129	13.004	12.940	13.027	VV	13804	700931	9.74%	1.564%
130	13.061	13.027	13.108	VV	14747	671541	9.33%	1.498%
131	13.146	13.108	13.264	VV	15417	1284136	17.84%	2.865%
132	13.288	13.264	13.311	VV	13207	369583	5.14%	0.825%
133	13.328	13.311	13.381	VV	13247	542525	7.54%	1.211%
134	13.441	13.381	13.470	VV	13387	679352	9.44%	1.516%
135	13.512	13.470	13.601	VV	390923	5489803	76.28%	12.249%
136	13.622	13.601	13.651	VV	13078	382789	5.32%	0.854%
137	13.678	13.651	13.824	VV	12828	1239795	17.23%	2.766%
138	13.852	13.824	13.884	VV	11369	399710	5.55%	0.892%
139	13.907	13.884	13.984	VV	12482	659572	9.16%	1.472%
140	14.001	13.984	14.054	VV	10885	431327	5.99%	0.962%
141	14.077	14.054	14.163	VV	9977	629183	8.74%	1.404%

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142	14.214	14.163	14.242	VV	10221	458372	6.37%	1.023%
143	14.265	14.242	14.416	VV	10007	891846	12.39%	1.990%
144	14.434	14.416	14.459	VV	8034	201958	2.81%	0.451%
145	14.494	14.459	14.611	VV	8267	648558	9.01%	1.447%
146	14.629	14.611	14.671	VV	6716	233009	3.24%	0.520%
147	14.700	14.671	14.738	VV	7594	269121	3.74%	0.600%
148	14.745	14.738	14.771	VV	6343	124348	1.73%	0.277%
149	14.786	14.771	14.858	VV	6654	303951	4.22%	0.678%
150	14.868	14.858	15.074	VV	5792	620337	8.62%	1.384%
151	15.095	15.074	15.169	VV	4403	229650	3.19%	0.512%
152	15.211	15.169	15.241	VV	3720	156042	2.17%	0.348%
153	15.263	15.241	15.291	VV	3588	100987	1.40%	0.225%
154	15.328	15.291	15.346	VV	4886	129279	1.80%	0.288%
155	15.367	15.346	15.395	VV	5439	124716	1.73%	0.278%
156	15.417	15.395	15.613	VV	4960	340373	4.73%	0.759%
157	15.632	15.613	15.677	VV	2019	70655	0.98%	0.158%
158	15.697	15.677	15.726	VV	1919	51011	0.71%	0.114%
159	15.776	15.726	15.874	VV	13665	460986	6.41%	1.029%
160	15.893	15.874	15.936	VV	2268	67859	0.94%	0.151%
161	15.975	15.936	16.098	VV	5117	146991	2.04%	0.328%
162	16.131	16.098	16.154	VV	841	23435	0.33%	0.052%
163	16.162	16.154	16.201	VV	728	16717	0.23%	0.037%
164	16.217	16.201	16.261	VV	573	17870	0.25%	0.040%
165	16.311	16.261	16.344	VV	719	29348	0.41%	0.065%
166	16.396	16.344	16.441	VV	1575	42391	0.59%	0.095%
167	16.459	16.441	16.565	VV	929	27043	0.38%	0.060%
168	16.615	16.565	16.661	VV	499	12419	0.17%	0.028%
169	16.702	16.661	16.729	PV	452	8919	0.12%	0.020%
170	16.748	16.729	16.764	VV	173	3658	0.05%	0.008%
171	16.806	16.764	16.826	VV	1505	31645	0.44%	0.071%
172	16.882	16.826	16.941	VV	2429	87996	1.22%	0.196%
173	16.961	16.941	16.991	VV	997	18715	0.26%	0.042%
174	17.023	16.991	17.108	VV	466	14036	0.20%	0.031%
175	17.221	17.108	17.248	PV	322	9695	0.13%	0.022%
176	17.279	17.248	17.298	VV	924	15328	0.21%	0.034%
177	17.348	17.298	17.411	VV	4157	90436	1.26%	0.202%
178	17.427	17.411	17.476	VV	1000	16360	0.23%	0.037%
179	17.560	17.476	17.581	VV	341	11011	0.15%	0.025%
180	17.605	17.581	17.654	VV	434	11371	0.16%	0.025%
181	17.699	17.654	17.718	VV	647	13200	0.18%	0.029%
182	17.800	17.718	17.857	VV	6214	127717	1.77%	0.285%
183	17.885	17.857	17.918	VV	1078	20894	0.29%	0.047%
184	17.938	17.918	17.961	VV	401	7250	0.10%	0.016%
185	17.982	17.961	18.001	VV	305	4498	0.06%	0.010%
186	18.029	18.001	18.061	PV	301	7117	0.10%	0.016%
187	18.086	18.061	18.104	VV	180	4433	0.06%	0.010%
188	18.237	18.104	18.298	VV	8114	163198	2.27%	0.364%
189	18.328	18.298	18.381	VV	4326	69146	0.96%	0.154%
190	18.435	18.381	18.455	VV	583	17331	0.24%	0.039%
191	18.481	18.455	18.544	VV	969	24687	0.34%	0.055%
192	18.573	18.544	18.593	PV	1621	24603	0.34%	0.055%
193	18.660	18.593	18.738	VV	12044	360121	5.00%	0.804%
194	18.756	18.738	18.830	VV	934	28313	0.39%	0.063%

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195	18.906	18.830	19.001	PV	1700	50433	0.70%	0.113%
196	19.071	19.001	19.128	VV	9782	160264	2.23%	0.358%
197	19.173	19.128	19.211	VV	3176	55854	0.78%	0.125%
198	19.239	19.211	19.274	VV	768	18871	0.26%	0.042%
199	19.371	19.274	19.394	VV	695	35018	0.49%	0.078%
200	19.469	19.394	19.538	VV	9082	236939	3.29%	0.529%
201	19.571	19.538	19.595	VV	1618	48983	0.68%	0.109%
202	19.626	19.595	19.687	VV	1910	80272	1.12%	0.179%
203	19.721	19.687	19.751	VV	1361	46955	0.65%	0.105%
204	19.771	19.751	19.811	VV	1491	41704	0.58%	0.093%
205	19.857	19.811	19.904	VV	7544	160119	2.22%	0.357%
206	19.969	19.904	20.011	VV	2591	130858	1.82%	0.292%
207	20.047	20.011	20.071	VV	2751	80066	1.11%	0.179%
208	20.098	20.071	20.121	VV	2492	70696	0.98%	0.158%
209	20.147	20.121	20.180	VV	2840	91158	1.27%	0.203%
210	20.234	20.180	20.277	VV	8496	250489	3.48%	0.559%
211	20.470	20.277	20.494	VV	4649	462127	6.42%	1.031%
212	20.515	20.494	20.532	VV	4467	99494	1.38%	0.222%
213	20.599	20.532	20.654	VV	8973	414125	5.75%	0.924%
214	20.715	20.654	20.731	VV	5596	248814	3.46%	0.555%
215	20.774	20.731	20.798	VV	5848	228207	3.17%	0.509%
216	20.877	20.798	20.900	VV	6009	359535	5.00%	0.802%
217	20.967	20.900	21.001	VV	8049	392673	5.46%	0.876%
218	21.158	21.001	21.336	VV	6822	1235447	17.17%	2.757%
219	21.374	21.336	21.518	VV	6289	430813	5.99%	0.961%
220	21.712	21.518	21.781	VV	2875	425257	5.91%	0.949%
221	21.836	21.781	21.938	VV	2927	200569	2.79%	0.448%
222	22.103	21.938	22.161	VV	1595	201306	2.80%	0.449%
223	22.216	22.161	22.261	VV	1228	67613	0.94%	0.151%
224	22.280	22.261	22.301	VV	910	20667	0.29%	0.046%
225	22.361	22.301	22.468	VV	1791	76747	1.07%	0.171%

Sum of corrected areas: 44817385

Aliphatic EPH 082925.M Thu Sep 04 06:10:06 2025

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-6	SDG No.:	Q3001
Lab Sample ID:	Q3001-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 21:00	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.91		1	1.29	2.19	mg/kg	FE055650.D
Total AliphaticEPH	Total AliphaticEPH	130			3.28	10.9	mg/kg	
Total EPH	Total EPH	130			3.28	10.9	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-6	SDG No.:	Q3001
Lab Sample ID:	Q3001-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 21:00	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.91		1	1.29	2.19	mg/kg	FE055650.D
Aliphatic C9-C28	Aliphatic C9-C28	125		2	1.99	8.76	mg/kg	FE055657.D
Total AliphaticEPH	Total AliphaticEPH	130			3.28	10.9	mg/kg	
Total EPH	Total EPH	130			3.28	10.9	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-6	SDG No.:	Q3001
Lab Sample ID:	Q3001-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055650.D	1	09/03/25	09/03/25	PB169516

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	107	E	1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.91		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.1		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.6		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3001-06	Acq On:	03 Sep 2025 21:00
Client Sample ID:	S-6	Operator:	YP\AJ
Data file:	FE055650.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	698460	5.44	300	ug/ml
Aliphatic C12-C16	6.949	10.401	8557633	63.345	200	ug/ml
Aliphatic C16-C21	10.402	13.781	138877945	962.978	300	ug/ml
Aliphatic C21-C28	13.782	17.452	62061670	433.283	400	ug/ml
Aliphatic C28-C40	17.453	22.470	9264426	67.27	600	ug/ml
Aliphatic EPH	3.314	22.470	219460134	1530		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	5356867	32.61		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	4512783	36.09		ug/ml
Aliphatic C9-C28	3.314	17.452	210195708	1470	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
Data File : FE055650.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 21:00
Operator : YP\AJ
Sample : Q3001-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2025
Supervised By :mohammad ahmed 09/05/2025

Integration File: autoint1.e
Quant Time: Sep 04 05:15:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 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)	12.078	5356867	32.607 ug/mlm
Spiked Amount	50.000	Recovery	= 65.21%
12) S 1-chlorooctadecane (S...	13.515	4512783	36.089 ug/ml
Spiked Amount	50.000	Recovery	= 72.18%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
Data File : FE055650.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 21:00
Operator : YP\AJ
Sample : Q3001-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

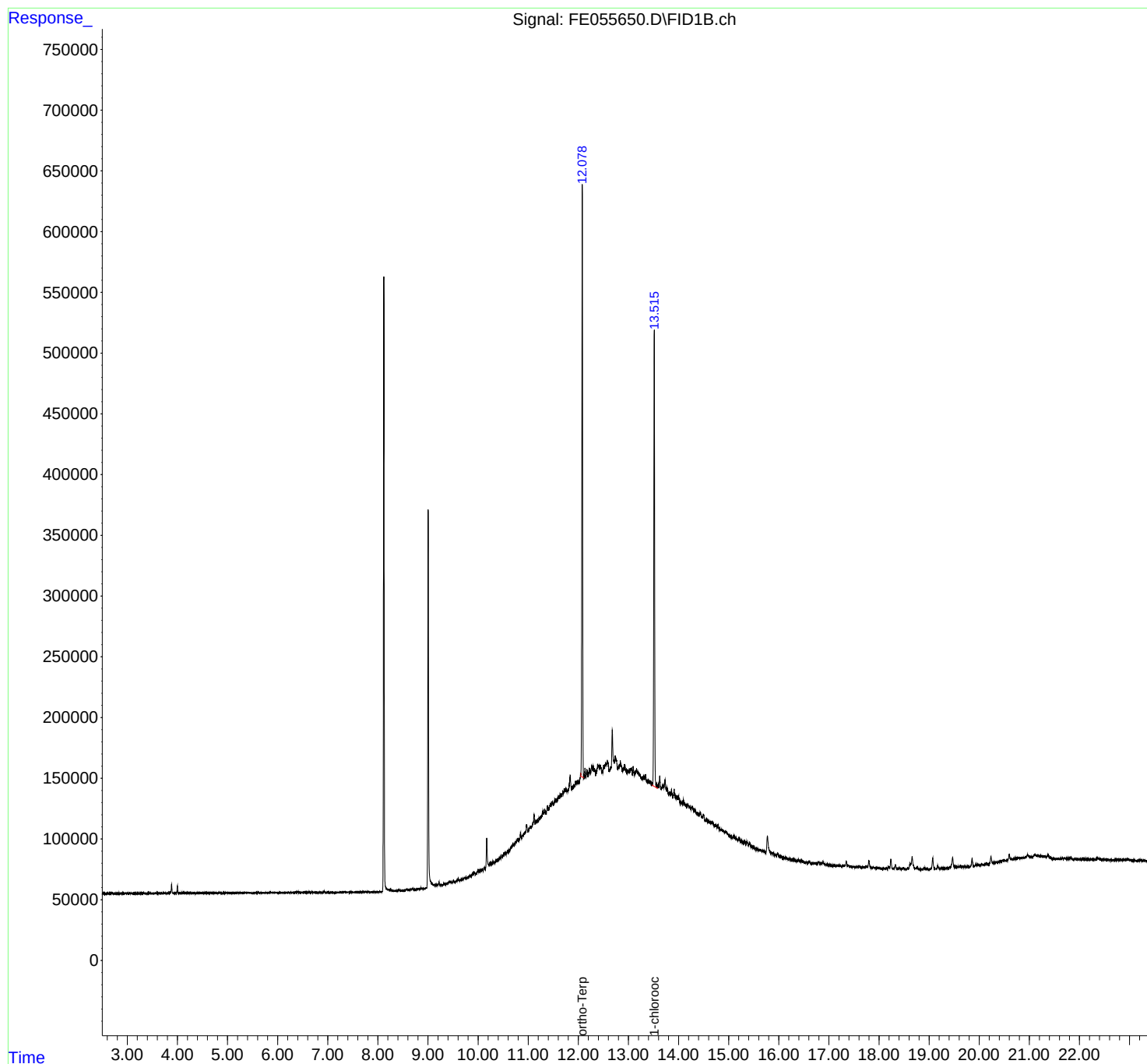
Instrument :
FID_E
ClientSampleId :
S-6

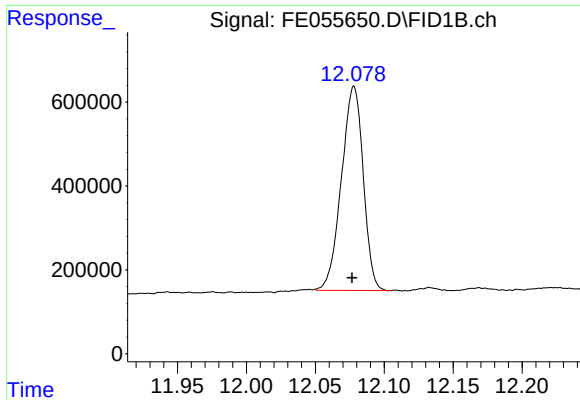
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2025
Supervised By :mohammad ahmed 09/05/2025

Integration File: autoint1.e
Quant Time: Sep 04 05:15:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





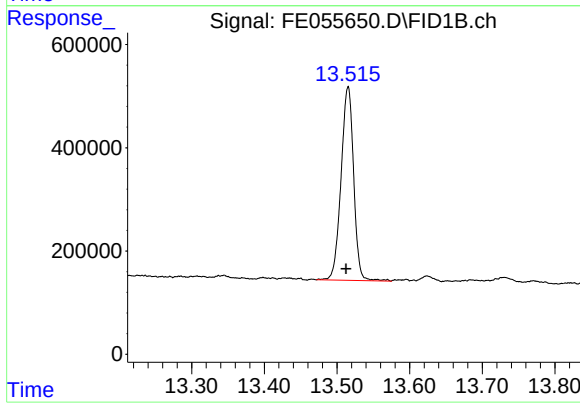
#9 ortho-Terphenyl (SURR)

R.T.: 12.078 min
Delta R.T.: 0.001 min
Response: 5356867
Conc: 32.61 ug/ml

Instrument :
FID_E
ClientSampleId :
S-6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/04/2025
Supervised By :mohammad ahmed 09/05/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.515 min
Delta R.T.: 0.002 min
Response: 4512783
Conc: 36.09 ug/ml

rteres

Instrument :

FID_E

ClientSampleId :

S-6

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/04/2025

Supervised By :mohammad ahmed 09/05/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE09032
Data File : FE055650.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 21:00
Sample : Q3001-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.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	2.834	2.804	2.884	BV	448	7296	0.07%	0.003%
2	2.904	2.884	2.918	VV	219	3361	0.03%	0.001%
3	2.923	2.918	2.978	VV	230	5680	0.05%	0.002%
4	3.042	2.978	3.062	VV	230	7133	0.07%	0.003%
5	3.104	3.062	3.120	VV	176	3382	0.03%	0.001%
6	3.183	3.120	3.201	PV	171	4368	0.04%	0.002%
7	3.215	3.201	3.234	VV	134	1514	0.01%	0.001%
8	3.268	3.234	3.282	VV	382	5259	0.05%	0.002%
9	3.312	3.282	3.358	VV	375	10989	0.10%	0.005%
10	3.378	3.358	3.394	VV	149	2198	0.02%	0.001%
11	3.414	3.394	3.453	VV	334	5794	0.05%	0.002%
12	3.465	3.453	3.498	VV	183	2977	0.03%	0.001%
13	3.504	3.498	3.524	VV	101	1344	0.01%	0.001%
14	3.549	3.524	3.576	VV	240	4140	0.04%	0.002%
15	3.597	3.576	3.631	VV	341	7219	0.07%	0.003%
16	3.641	3.631	3.677	VV	260	5845	0.05%	0.002%
17	3.686	3.677	3.708	VV	220	3497	0.03%	0.001%
18	3.742	3.708	3.794	VV	246	10226	0.09%	0.004%
19	3.799	3.794	3.811	VV	237	1910	0.02%	0.001%
20	3.849	3.811	3.861	VV	648	9885	0.09%	0.004%
21	3.883	3.861	3.921	VV	7372	77044	0.70%	0.032%
22	3.937	3.921	3.971	VV	252	5011	0.05%	0.002%
23	4.000	3.971	4.061	VV	6349	68485	0.62%	0.029%
24	4.097	4.061	4.177	VV	428	19751	0.18%	0.008%
25	4.204	4.177	4.230	VV	870	13830	0.13%	0.006%
26	4.252	4.230	4.288	VV	615	14932	0.14%	0.006%
27	4.310	4.288	4.358	VV	358	11458	0.10%	0.005%
28	4.400	4.358	4.423	VV	383	10900	0.10%	0.005%
29	4.440	4.423	4.484	VV	410	10590	0.10%	0.004%
30	4.513	4.484	4.539	VV	328	9236	0.08%	0.004%
31	4.557	4.539	4.578	VV	405	7466	0.07%	0.003%
32	4.671	4.578	4.696	VV	508	20206	0.18%	0.008%
33	4.708	4.696	4.718	VV	296	3306	0.03%	0.001%
34	4.725	4.718	4.770	VV	301	7441	0.07%	0.003%
35	4.794	4.770	4.818	VV	271	6278	0.06%	0.003%
36	4.838	4.818	4.874	VV	441	9141	0.08%	0.004%

					retention			
37	4.902	4.874	4.934	VV	235	7238	0.07%	0.003%
38	4.985	4.934	5.018	VV	279	10274	0.07%	0.003%
39	5.062	5.018	5.074	VV	297	7660	0.07%	0.003%
40	5.085	5.074	5.152	VV	289	10281	0.07%	0.003%
41	5.188	5.152	5.210	VV	251	7500	0.05%	0.002%
42	5.223	5.210	5.241	VV	244	4153	0.03%	0.001%
43	5.256	5.241	5.281	VV	276	5412	0.05%	0.002%
44	5.289	5.281	5.307	VV	232	2753	0.03%	0.001%
45	5.331	5.307	5.374	VV	335	9740	0.09%	0.004%
46	5.399	5.374	5.437	VV	329	10096	0.09%	0.004%
47	5.451	5.437	5.462	VV	236	3365	0.03%	0.001%
48	5.468	5.462	5.475	VV	237	1682	0.02%	0.001%
49	5.495	5.475	5.513	VV	308	5668	0.05%	0.002%
50	5.547	5.513	5.591	VV	274	10823	0.10%	0.005%
51	5.619	5.591	5.684	VV	711	18464	0.17%	0.008%
52	5.700	5.684	5.731	VV	365	7587	0.07%	0.003%
53	5.761	5.731	5.775	VV	293	6454	0.06%	0.003%
54	5.783	5.775	5.797	VV	255	2301	0.02%	0.001%
55	5.815	5.797	5.823	PV	242	2557	0.02%	0.001%
56	5.853	5.823	5.916	VV	1052	26763	0.24%	0.011%
57	5.928	5.916	5.961	VV	416	8905	0.08%	0.004%
58	5.999	5.961	6.041	VV	336	12071	0.11%	0.005%
59	6.059	6.041	6.116	VV	350	11739	0.11%	0.005%
60	6.132	6.116	6.160	VV	393	7231	0.07%	0.003%
61	6.185	6.160	6.219	VV	406	8543	0.08%	0.004%
62	6.246	6.219	6.310	VV	291	12078	0.11%	0.005%
63	6.332	6.310	6.337	VV	270	3476	0.03%	0.001%
64	6.393	6.337	6.464	VV	1110	32713	0.30%	0.014%
65	6.488	6.464	6.530	VV	335	11771	0.11%	0.005%
66	6.554	6.530	6.586	VV	515	12226	0.11%	0.005%
67	6.627	6.586	6.661	VV	334	11357	0.10%	0.005%
68	6.686	6.661	6.718	VV	482	11158	0.10%	0.005%
69	6.737	6.718	6.748	VV	294	4611	0.04%	0.002%
70	6.764	6.748	6.772	VV	257	3182	0.03%	0.001%
71	6.788	6.772	6.804	VV	299	4342	0.04%	0.002%
72	6.811	6.804	6.824	VV	230	2383	0.02%	0.001%
73	6.845	6.824	6.874	VV	305	6981	0.06%	0.003%
74	6.927	6.874	6.977	VV	888	22812	0.21%	0.010%
75	6.994	6.977	7.028	VV	240	5856	0.05%	0.002%
76	7.042	7.028	7.084	VV	179	4333	0.04%	0.002%
77	7.095	7.084	7.102	VV	129	985	0.01%	0.000%
78	7.109	7.102	7.121	VV	122	939	0.01%	0.000%
79	7.168	7.121	7.224	PV	175	7630	0.07%	0.003%
80	7.261	7.224	7.289	VV	452	8481	0.08%	0.004%
81	7.296	7.289	7.301	VV	179	1071	0.01%	0.000%
82	7.332	7.301	7.371	VV	506	12422	0.11%	0.005%
83	7.401	7.371	7.461	VV	344	11633	0.11%	0.005%
84	7.472	7.461	7.477	VV	147	1256	0.01%	0.001%
85	7.490	7.477	7.514	VV	244	3422	0.03%	0.001%
86	7.529	7.514	7.554	VV	263	4101	0.04%	0.002%
87	7.571	7.554	7.581	VV	204	2311	0.02%	0.001%
88	7.590	7.581	7.619	VV	175	1758	0.02%	0.001%
89	7.668	7.619	7.678	VV	273	4363	0.04%	0.002%

Instrument :

FID_E

ClientSampleId :

S-6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/04/2025

Supervised By :mohammad ahmed 09/05/2025

90	7.701	7.678	7.783	VV	503	17315	0.16%	0.007%
91	7.803	7.783	7.818	VV	396	4459		
92	7.821	7.818	7.838	VV	178	1397		
93	7.878	7.838	7.888	VV	177	2924		
94	7.925	7.888	7.958	VV	229	4673		
95	7.970	7.958	8.010	VV	140	2518		
96	8.217	8.207	8.241	VV	1813	32634	0.30%	0.014%
97	8.256	8.241	8.334	VV	1457	49136	0.45%	0.020%
98	8.366	8.334	8.392	VV	595	16126	0.15%	0.007%
99	8.423	8.392	8.444	VV	1393	23939	0.22%	0.010%
100	8.457	8.444	8.480	VV	741	10241	0.09%	0.004%
101	8.503	8.480	8.541	VV	648	16067	0.15%	0.007%
102	8.575	8.541	8.604	VV	1372	34721	0.32%	0.014%
103	8.612	8.604	8.623	VV	761	8294	0.08%	0.003%
104	8.637	8.623	8.651	VV	783	11773	0.11%	0.005%
105	8.689	8.651	8.721	VV	1582	46715	0.43%	0.019%
106	8.741	8.721	8.758	VV	904	17925	0.16%	0.007%
107	8.767	8.758	8.783	VV	918	12032	0.11%	0.005%
108	8.805	8.783	8.824	VV	1169	26024	0.24%	0.011%
109	8.861	8.824	8.918	VV	1980	79660	0.73%	0.033%
110	8.958	8.918	8.971	VV	2141	48234	0.44%	0.020%
111	9.121	9.109	9.141	VV	4088	71220	0.65%	0.030%
112	9.158	9.141	9.173	VV	4057	74325	0.68%	0.031%
113	9.220	9.173	9.248	VV	6604	206528	1.88%	0.086%
114	9.258	9.248	9.291	VV	4054	94211	0.86%	0.039%
115	9.315	9.291	9.337	VV	4817	118307	1.08%	0.049%
116	9.441	9.337	9.455	VV	6236	360541	3.29%	0.150%
117	9.463	9.455	9.474	VV	5718	63236	0.58%	0.026%
118	9.510	9.474	9.544	VV	6550	251799	2.30%	0.105%
119	9.607	9.544	9.631	VV	7939	354323	3.23%	0.148%
120	9.676	9.631	9.685	VV	7752	239260	2.18%	0.100%
121	9.702	9.685	9.714	VV	8406	140002	1.28%	0.058%
122	9.734	9.714	9.751	VV	9302	191800	1.75%	0.080%
123	9.761	9.751	9.769	VV	8962	97037	0.88%	0.040%
124	9.776	9.769	9.793	VV	8816	126301	1.15%	0.053%
125	9.838	9.793	9.858	VV	10411	377766	3.44%	0.157%
126	9.866	9.858	9.870	VV	10554	78086	0.71%	0.033%
127	9.893	9.870	9.903	VV	12370	227025	2.07%	0.095%
128	9.920	9.903	9.951	VV	13205	356210	3.25%	0.149%
129	9.997	9.951	10.017	VV	15016	516762	4.71%	0.215%
130	10.030	10.017	10.043	VV	14262	218644	1.99%	0.091%
131	10.065	10.043	10.077	VV	14929	299178	2.73%	0.125%
132	10.087	10.077	10.099	VV	14884	190302	1.74%	0.079%
133	10.122	10.099	10.144	VV	16559	423207	3.86%	0.176%
134	10.173	10.144	10.217	VV	40891	1043137	9.51%	0.435%
135	10.240	10.217	10.260	VV	19963	503729	4.59%	0.210%
136	10.279	10.260	10.287	VV	20249	317641	2.90%	0.132%
137	10.300	10.287	10.332	VV	21047	564304	5.15%	0.235%
138	10.359	10.332	10.372	VV	22186	515384	4.70%	0.215%
139	10.440	10.372	10.453	VV	24578	1125180	10.26%	0.469%
140	10.474	10.453	10.489	VV	25914	527830	4.81%	0.220%
141	10.509	10.489	10.557	VV	28053	1119387	10.21%	0.467%

Instrument :

FID_E

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S-6

Manual IntegrationsAPPROVED

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					rters			
142	10.580	10.557	10.598	VV	29427	681534	6.22%	0.284%
143	10.615	10.598	10.624	VV	29762	468887		
144	10.695	10.624	10.715	VV	35388	1784105	16.42%	0.586%
145	10.790	10.715	10.806	VV	39157	1991151	18.31%	0.805%
146	10.847	10.806	10.868	VV	43999	1490348	13.26%	0.606%
147	10.931	10.868	10.941	VV	44269	1867735	17.07%	0.826%
148	10.969	10.941	10.993	VV	50664	1454401	13.26%	0.606%
149	11.044	10.993	11.063	VV	49140	1981467	18.07%	0.826%
150	11.117	11.063	11.141	VV	58262	2446750	22.31%	1.020%
151	11.157	11.141	11.170	VV	52950	922238	8.41%	0.385%
152	11.185	11.170	11.198	VV	53941	891208	8.13%	0.372%
153	11.293	11.198	11.310	VV	61652	3822460	34.86%	1.594%
154	11.327	11.310	11.349	VV	61780	1406386	12.83%	0.586%
155	11.383	11.349	11.401	VV	65010	1930160	17.60%	0.805%
156	11.409	11.401	11.416	VV	63431	567235	5.17%	0.236%
157	11.482	11.416	11.502	VV	68690	3400920	31.01%	1.418%
158	11.535	11.502	11.544	VV	70904	1735771	15.83%	0.724%
159	11.561	11.544	11.572	VV	69663	1128403	10.29%	0.470%
160	11.657	11.572	11.674	VV	75055	4422404	40.33%	1.844%
161	11.721	11.674	11.743	VV	78477	3174964	28.95%	1.324%
162	11.758	11.743	11.804	VV	78712	2853645	26.02%	1.190%
163	11.838	11.804	11.859	VV	89473	2736927	24.96%	1.141%
164	11.870	11.859	11.889	VV	79925	1420764	12.96%	0.592%
165	11.908	11.889	11.917	VV	81341	1368528	12.48%	0.571%
166	11.942	11.917	11.968	VV	84080	2488160	22.69%	1.037%
167	11.975	11.968	11.984	VV	84503	833796	7.60%	0.348%
168	11.989	11.984	12.008	VV	84364	1168187	10.65%	0.487%
169	12.078	12.008	12.115	VV	574833	10965800	100.00%	4.572%
170	12.133	12.115	12.150	VV	94468	1903233	17.36%	0.794%
171	12.168	12.150	12.189	VV	93833	2128141	19.41%	0.887%
172	12.223	12.189	12.243	VV	94183	2978290	27.16%	1.242%
173	12.266	12.243	12.284	VV	97111	2286630	20.85%	0.953%
174	12.295	12.284	12.316	VV	96588	1820734	16.60%	0.759%
175	12.323	12.316	12.358	VV	94196	2317811	21.14%	0.966%
176	12.385	12.358	12.418	VV	97586	3416303	31.15%	1.424%
177	12.439	12.418	12.474	VV	96930	3203180	29.21%	1.335%
178	12.478	12.474	12.486	VV	92488	647276	5.90%	0.270%
179	12.505	12.486	12.515	VV	96776	1651203	15.06%	0.688%
180	12.543	12.515	12.555	VV	97836	2308029	21.05%	0.962%
181	12.583	12.555	12.624	VV	99035	3961108	36.12%	1.651%
182	12.677	12.624	12.717	VV	125101	5736141	52.31%	2.392%
183	12.737	12.717	12.788	VV	104132	4224779	38.53%	1.761%
184	12.812	12.788	12.820	VV	95602	1822689	16.62%	0.760%
185	12.838	12.820	12.878	VV	99753	3324090	30.31%	1.386%
186	12.923	12.878	12.945	VV	96294	3789252	34.56%	1.580%
187	12.955	12.945	12.968	VV	92477	1238815	11.30%	0.516%
188	12.980	12.968	13.001	VV	92415	1801655	16.43%	0.751%
189	13.005	13.001	13.011	VV	91253	518667	4.73%	0.216%
190	13.018	13.011	13.031	VV	93205	1120316	10.22%	0.467%
191	13.062	13.031	13.077	VV	93071	2521310	22.99%	1.051%
192	13.096	13.077	13.117	VV	94783	2173812	19.82%	0.906%
193	13.127	13.117	13.144	VV	90855	1487392	13.56%	0.620%
194	13.162	13.144	13.274	VV	92556	6864470	62.60%	2.862%

Instrument :

FID_E

ClientSampleId :

S-6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/04/2025

Supervised By :mohammad ahmed 09/05/2025

195	13.283	13.274	13.293	VV	86134	984782	8.98%	0.411%
196	13.307	13.293	13.328	VV	86266	1749428	15.00%	0.411%
197	13.343	13.328	13.388	VV	87985	3009638	27.00%	0.411%
198	13.398	13.388	13.418	VV	83343	1510139	13.00%	0.411%
199	13.429	13.418	13.471	VV	82394	2542800	23.00%	0.411%
200	13.515	13.471	13.575	VV	451919	9344213	85.00%	0.411%
201	13.594	13.575	13.608	VV	79259	1536457	14.01%	0.641%
202	13.624	13.608	13.667	VV	86000	2813735	25.66%	1.173%
203	13.686	13.667	13.701	VV	78297	1567510	14.29%	0.654%
204	13.730	13.701	13.757	VV	82993	2639141	24.07%	1.100%
205	13.771	13.757	13.804	VV	76422	2068058	18.86%	0.862%
206	13.821	13.804	13.832	VV	72137	1186293	10.82%	0.495%
207	13.860	13.832	13.884	VV	73749	2254799	20.56%	0.940%
208	13.913	13.884	13.941	VV	75134	2365466	21.57%	0.986%
209	13.957	13.941	13.978	VV	69281	1522782	13.89%	0.635%
210	14.002	13.978	14.034	VV	68797	2246730	20.49%	0.937%
211	14.061	14.034	14.081	VV	63790	1764030	16.09%	0.735%
212	14.095	14.081	14.176	VV	65057	3550049	32.37%	1.480%
213	14.188	14.176	14.213	VV	62085	1319930	12.04%	0.550%
214	14.226	14.213	14.247	VV	59770	1223866	11.16%	0.510%
215	14.267	14.247	14.300	VV	59590	1855110	16.92%	0.773%
216	14.320	14.300	14.369	VV	58178	2295102	20.93%	0.957%
217	14.380	14.369	14.404	VV	54936	1142618	10.42%	0.476%
218	14.439	14.404	14.475	VV	54599	2218039	20.23%	0.925%
219	14.494	14.475	14.556	VV	53066	2432614	22.18%	1.014%
220	14.566	14.556	14.587	VV	49008	883742	8.06%	0.368%
221	14.604	14.587	14.638	VV	48000	1410844	12.87%	0.588%
222	14.645	14.638	14.661	VV	46837	641073	5.85%	0.267%
223	14.674	14.661	14.725	VV	46445	1708099	15.58%	0.712%
224	14.735	14.725	14.769	VV	44048	1158833	10.57%	0.483%
225	14.789	14.769	14.809	VV	44227	1014314	9.25%	0.423%
226	14.823	14.809	14.836	VV	40794	637684	5.82%	0.266%
227	14.842	14.836	14.848	VV	39979	279515	2.55%	0.117%
228	14.859	14.848	14.924	VV	40455	1793440	16.35%	0.748%
229	14.932	14.924	15.004	VV	38649	1762102	16.07%	0.735%
230	15.010	15.004	15.081	VV	35051	1551061	14.14%	0.647%
231	15.093	15.081	15.188	VV	34464	2098921	19.14%	0.875%
232	15.210	15.188	15.244	VV	31718	1031996	9.41%	0.430%
233	15.257	15.244	15.304	VV	30124	1035352	9.44%	0.432%
234	15.321	15.304	15.343	VV	29286	674402	6.15%	0.281%
235	15.365	15.343	15.394	VV	29345	848770	7.74%	0.354%
236	15.413	15.394	15.462	VV	27989	1064356	9.71%	0.444%
237	15.469	15.462	15.548	VV	25040	1224855	11.17%	0.511%
238	15.567	15.548	15.608	VV	22918	800348	7.30%	0.334%
239	15.625	15.608	15.673	VV	22054	827606	7.55%	0.345%
240	15.693	15.673	15.740	VV	21188	828983	7.56%	0.346%
241	15.773	15.740	15.874	VV	33199	1808425	16.49%	0.754%
242	15.887	15.874	15.948	VV	18736	773963	7.06%	0.323%
243	15.977	15.948	16.025	VV	18489	776433	7.08%	0.324%
244	16.044	16.025	16.081	VV	15706	502739	4.58%	0.210%
245	16.091	16.081	16.106	VV	14887	216837	1.98%	0.090%
246	16.128	16.106	16.194	VV	14575	739672	6.75%	0.308%

Instrument :

FID_E

ClientSampleId :

S-6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/04/2025

Supervised By :mohammad ahmed 09/05/2025

rteres									
247	16.203	16.194	16.271	VV	13649	603822	5.51%	0.252%	
248	16.297	16.271	16.309	VV	12732	285194			
249	16.317	16.309	16.340	VV	12581	225500			
250	16.359	16.340	16.373	VV	12046	234688			
251	16.396	16.373	16.481	VV	12409	732052			
252	16.488	16.481	16.535	VV	10660	331220			
253	16.545	16.535	16.577	VV	10011	250208	2.28%	0.104%	
254	16.614	16.577	16.659	VV	10806	479183	4.37%	0.200%	
255	16.679	16.659	16.690	VV	9218	166439	1.52%	0.069%	
256	16.711	16.690	16.758	VV	9498	358139	3.27%	0.149%	
257	16.800	16.758	16.821	VV	9852	342447	3.12%	0.143%	
258	16.845	16.821	16.862	VV	8998	213940	1.95%	0.089%	
259	16.881	16.862	16.938	VV	10005	383805	3.50%	0.160%	
260	16.944	16.938	16.953	VV	7637	69098	0.63%	0.029%	
261	16.966	16.953	16.990	VV	7730	162907	1.49%	0.068%	
262	17.007	16.990	17.061	VV	7222	292726	2.67%	0.122%	
263	17.071	17.061	17.082	VV	6549	81528	0.74%	0.034%	
264	17.091	17.082	17.134	VV	6525	199657	1.82%	0.083%	
265	17.160	17.134	17.193	VV	6505	220997	2.02%	0.092%	
266	17.212	17.193	17.254	VV	6224	216983	1.98%	0.090%	
267	17.272	17.254	17.300	VV	6075	160394	1.46%	0.067%	
268	17.347	17.300	17.371	VV	9679	296420	2.70%	0.124%	
269	17.386	17.371	17.410	VV	6044	133646	1.22%	0.056%	
270	17.425	17.410	17.457	VV	5712	148884	1.36%	0.062%	
271	17.467	17.457	17.515	VV	4942	162477	1.48%	0.068%	
272	17.563	17.515	17.578	VV	4727	167767	1.53%	0.070%	
273	17.599	17.578	17.638	VV	4695	156967	1.43%	0.065%	
274	17.648	17.638	17.656	VV	4055	43949	0.40%	0.018%	
275	17.697	17.656	17.718	VV	4551	150645	1.37%	0.063%	
276	17.749	17.718	17.770	VV	4620	134432	1.23%	0.056%	
277	17.798	17.770	17.835	VV	9321	223830	2.04%	0.093%	
278	17.845	17.835	17.862	VV	3594	53225	0.49%	0.022%	
279	17.884	17.862	17.912	VV	3818	103221	0.94%	0.043%	
280	17.933	17.912	17.962	VV	3181	87552	0.80%	0.037%	
281	17.978	17.962	17.998	VV	2878	58855	0.54%	0.025%	
282	18.008	17.998	18.064	VV	2643	99256	0.91%	0.041%	
283	18.083	18.064	18.124	VV	2460	80748	0.74%	0.034%	
284	18.196	18.124	18.213	VV	3630	139542	1.27%	0.058%	
285	18.236	18.213	18.278	VV	9700	189092	1.72%	0.079%	
286	18.285	18.278	18.295	VV	2089	20256	0.18%	0.008%	
287	18.328	18.295	18.361	VV	5003	116864	1.07%	0.049%	
288	18.375	18.361	18.384	VV	1753	23437	0.21%	0.010%	
289	18.407	18.384	18.458	VV	1816	72750	0.66%	0.030%	
290	18.480	18.458	18.541	VV	2311	75721	0.69%	0.032%	
291	18.573	18.541	18.591	VV	2267	46478	0.42%	0.019%	
292	18.621	18.591	18.635	VV	5615	104761	0.96%	0.044%	
293	18.660	18.635	18.733	VV	11063	280164	2.55%	0.117%	
294	18.759	18.733	18.844	VV	2170	71303	0.65%	0.030%	
295	18.853	18.844	18.873	VV	460	5983	0.05%	0.002%	
296	18.904	18.873	18.948	VV	1547	40598	0.37%	0.017%	
297	18.967	18.948	19.001	VV	741	13737	0.13%	0.006%	
298	19.071	19.001	19.125	PV	9287	167316	1.53%	0.070%	
299	19.172	19.125	19.214	VV	3002	58857	0.54%	0.025%	

Instrument :

FID_E

ClientSampleId :

S-6

5.51% 0.252%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/04/2025

Supervised By :mohammad ahmed 09/05/2025

300	19.242	19.214	19.306	VV	754	21476	0.20%	0.009%
301	19.348	19.306	19.389	PV	555	17850		
302	19.468	19.389	19.518	VV	9000	220583		
303	19.570	19.518	19.602	VV	1449	59577		
304	19.625	19.602	19.648	VV	1425	33866		
305	19.663	19.648	19.694	VV	1215	27338		
306	19.719	19.694	19.745	VV	1057	26076	0.24%	0.011%
307	19.774	19.745	19.805	VV	1179	28532	0.26%	0.012%
308	19.857	19.805	19.901	VV	7601	144193	1.31%	0.060%
309	19.933	19.901	19.948	VV	1958	39813	0.36%	0.017%
310	19.964	19.948	20.014	VV	2028	63621	0.58%	0.027%
311	20.046	20.014	20.075	VV	2156	64152	0.59%	0.027%
312	20.101	20.075	20.121	VV	1983	49599	0.45%	0.021%
313	20.147	20.121	20.187	VV	2293	81425	0.74%	0.034%
314	20.234	20.187	20.268	VV	8256	200007	1.82%	0.083%
315	20.292	20.268	20.307	VV	3011	67261	0.61%	0.028%
316	20.339	20.307	20.363	VV	3040	99147	0.90%	0.041%
317	20.470	20.363	20.501	VV	4525	299554	2.73%	0.125%
318	20.517	20.501	20.534	VV	4329	82427	0.75%	0.034%
319	20.598	20.534	20.641	VV	9065	360329	3.29%	0.150%
320	20.717	20.641	20.737	VV	5617	304884	2.78%	0.127%
321	20.776	20.737	20.824	VV	5932	298193	2.72%	0.124%
322	20.833	20.824	20.850	VV	5794	86041	0.78%	0.036%
323	20.871	20.850	20.891	VV	5891	142278	1.30%	0.059%
324	20.966	20.891	21.013	VV	8340	473757	4.32%	0.198%
325	21.052	21.013	21.064	VV	6202	190164	1.73%	0.079%
326	21.107	21.064	21.207	VV	7852	588112	5.36%	0.245%
327	21.215	21.207	21.244	VV	6445	136045	1.24%	0.057%
328	21.259	21.244	21.267	VV	6056	85012	0.78%	0.035%
329	21.291	21.267	21.338	VV	6229	249920	2.28%	0.104%
330	21.374	21.338	21.521	VV	7165	500907	4.57%	0.209%
331	21.538	21.521	21.548	VV	3358	54251	0.49%	0.023%
332	21.555	21.548	21.581	VV	3312	64234	0.59%	0.027%
333	21.592	21.581	21.597	VV	3321	31902	0.29%	0.013%
334	21.624	21.597	21.637	VV	3505	79942	0.73%	0.033%
335	21.661	21.637	21.673	VV	3419	72332	0.66%	0.030%
336	21.715	21.673	21.774	VV	3445	195316	1.78%	0.081%
337	21.780	21.774	21.789	VV	2952	26418	0.24%	0.011%
338	21.836	21.789	21.910	VV	3463	203966	1.86%	0.085%
339	21.920	21.910	21.931	VV	2272	26946	0.25%	0.011%
340	21.962	21.931	21.998	VV	2228	84128	0.77%	0.035%
341	22.021	21.998	22.036	VV	2100	46434	0.42%	0.019%
342	22.048	22.036	22.055	VV	1995	21551	0.20%	0.009%
343	22.070	22.055	22.134	VV	1954	87438	0.80%	0.036%
344	22.152	22.134	22.233	VV	1760	93067	0.85%	0.039%
345	22.247	22.233	22.274	VV	1482	33151	0.30%	0.014%
346	22.361	22.274	22.462	VV	2399	151428	1.38%	0.063%
347	22.475	22.462	22.586	VV	700	32939	0.30%	0.014%

Sum of corrected areas: 239852063

Instrument :

FID_E

ClientSampleId :

S-6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/04/2025

Supervised By :mohammad ahmed 09/05/2025

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/29/25
Project:	Meetinghouse	Date Received:	09/02/25
Client Sample ID:	S-6DL	SDG No.:	Q3001
Lab Sample ID:	Q3001-06DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055657.D	2	09/03/25	09/04/25	PB169516

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	125		1.99	8.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.77		2.58	4.38	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	16.9		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	16.2		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3001-06DL	Acq On:	04 Sep 2025 09:15
Client Sample ID:	S-6DL	Operator:	YP\AJ
Data file:	FE055657.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	2	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.946	1193637	9.296	300	ug/ml
Aliphatic C12-C16	6.947	10.398	7034771	52.073	200	ug/ml
Aliphatic C16-C21	10.399	13.777	71823688	498.024	300	ug/ml
Aliphatic C21-C28	13.778	17.448	42743364	298.413	400	ug/ml
Aliphatic C28-C40	17.449	22.463	4500268	32.677	600	ug/ml
Aliphatic EPH	3.312	22.463	127295728	890.483		ug/ml
ortho-Terphenyl (SURR)	12.074	12.074	2663510	16.21		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	2107477	16.85		ug/ml
Aliphatic C9-C28	3.312	17.448	122795460	857.806	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055657.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 09:15
 Operator : YP\AJ
 Sample : Q3001-06DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 S-6DL

Integration File: autoint1.e
 Quant Time: Sep 05 01:23:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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)	12.074	2663510	16.213 ug/ml
Spiked Amount 50.000		Recovery =	32.43%
12) S 1-chlorooctadecane (S...	13.512	2107477	16.854 ug/ml
Spiked Amount 50.000		Recovery =	33.71%

Target Compounds

(f)=RT Delta > 1/2 Window

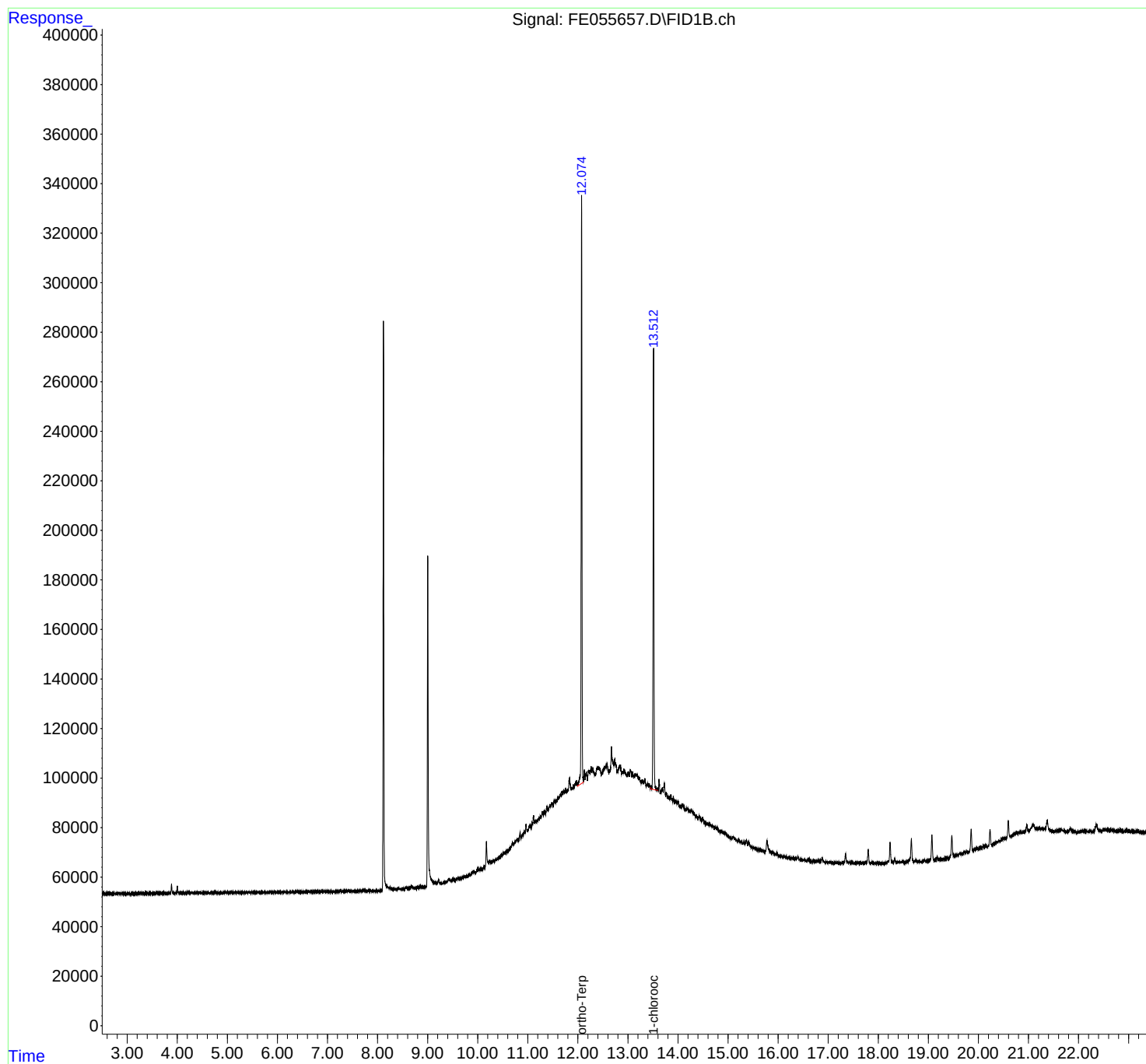
(m)=manual int.

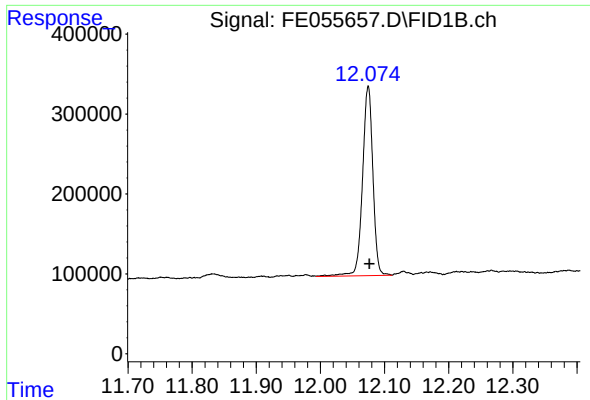
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
Data File : FE055657.D
Signal(s) : FID1B.ch
Acq On : 04 Sep 2025 09:15
Operator : YP\AJ
Sample : Q3001-06DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-6DL

Integration File: autoint1.e
Quant Time: Sep 05 01:23:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

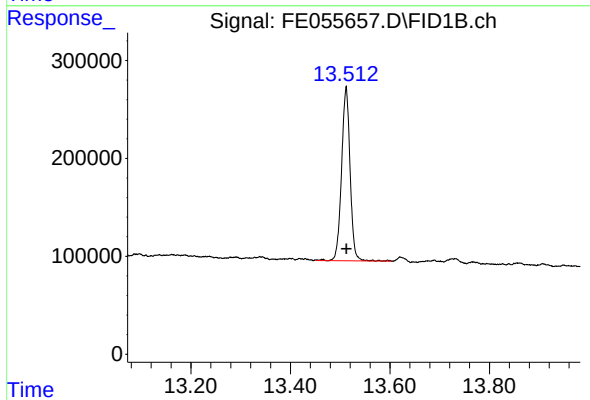




#9 ortho-Terphenyl (SURR)

R.T.: 12.074 min
Delta R.T.: -0.002 min
Response: 2663510
Conc: 16.21 ug/ml

Instrument :
FID_E
ClientSampleId :
S-6DL



#12 1-chlorooctadecane (SURR)

R.T.: 13.512 min
Delta R.T.: -0.001 min
Response: 2107477
Conc: 16.85 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055657.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 09:15
 Sample : Q3001-06DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.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	2.841	2.804	2.867	BV	237	2896	0.03%	0.002%
2	2.878	2.867	2.888	PV	46	326	0.00%	0.000%
3	2.902	2.888	2.947	VV	134	1963	0.02%	0.001%
4	2.956	2.947	2.984	PV	48	-682	-0.01%	-0.000%
5	2.995	2.984	3.011	PV	-51	-947	-0.01%	-0.001%
6	3.036	3.011	3.064	PV	49	-197	-0.00%	-0.000%
7	3.096	3.064	3.131	PV	50	327	0.00%	0.000%
8	3.154	3.131	3.193	PV	157	2646	0.03%	0.002%
9	3.232	3.193	3.249	PV	120	2578	0.03%	0.002%
10	3.317	3.249	3.388	VV	270	14378	0.17%	0.010%
11	3.409	3.388	3.432	VV	261	4840	0.06%	0.003%
12	3.443	3.432	3.459	VV	191	2469	0.03%	0.002%
13	3.465	3.459	3.537	VV	174	6576	0.08%	0.005%
14	3.558	3.537	3.589	VV	274	6225	0.07%	0.004%
15	3.600	3.589	3.623	VV	336	4711	0.05%	0.003%
16	3.635	3.623	3.655	VV	289	4723	0.05%	0.003%
17	3.663	3.655	3.705	VV	297	7060	0.08%	0.005%
18	3.721	3.705	3.744	VV	258	5272	0.06%	0.004%
19	3.751	3.744	3.768	VV	291	3421	0.04%	0.002%
20	3.790	3.768	3.811	VV	291	6273	0.07%	0.004%
21	3.852	3.811	3.868	VV	537	11285	0.13%	0.008%
22	3.885	3.868	3.931	VV	3864	44833	0.52%	0.032%
23	3.936	3.931	3.976	VV	324	7550	0.09%	0.005%
24	4.001	3.976	4.048	VV	3148	40039	0.46%	0.028%
25	4.088	4.048	4.161	VV	445	25483	0.29%	0.018%
26	4.209	4.161	4.229	VV	682	18306	0.21%	0.013%
27	4.261	4.229	4.311	VV	493	20825	0.24%	0.015%
28	4.317	4.311	4.373	VV	416	13762	0.16%	0.010%
29	4.396	4.373	4.428	VV	497	13072	0.15%	0.009%
30	4.526	4.428	4.571	VV	434	30557	0.35%	0.022%
31	4.581	4.571	4.618	VV	416	10570	0.12%	0.007%
32	4.640	4.618	4.648	VV	438	6927	0.08%	0.005%
33	4.675	4.648	4.688	VV	485	9991	0.12%	0.007%
34	4.699	4.688	4.706	VV	436	4442	0.05%	0.003%
35	4.715	4.706	4.728	VV	468	5439	0.06%	0.004%
36	4.736	4.728	4.787	VV	510	15805	0.18%	0.011%

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37	4.797	4.787	4.824	VV	475	8923	0.10%	0.006%
38	4.841	4.824	4.861	VV	554	9691	0.11%	0.007%
39	4.867	4.861	4.878	VV	418	3779	0.04%	0.003%
40	4.903	4.878	4.942	VV	468	15264	0.18%	0.011%
41	4.954	4.942	4.970	VV	520	7518	0.09%	0.005%
42	4.984	4.970	5.004	VV	508	10163	0.12%	0.007%
43	5.009	5.004	5.051	VV	510	13876	0.16%	0.010%
44	5.062	5.051	5.123	VV	563	22299	0.26%	0.016%
45	5.140	5.123	5.151	VV	587	9112	0.11%	0.006%
46	5.167	5.151	5.208	VV	582	17717	0.20%	0.013%
47	5.251	5.208	5.294	VV	524	25084	0.29%	0.018%
48	5.303	5.294	5.340	VV	541	13312	0.15%	0.009%
49	5.349	5.340	5.362	VV	560	6444	0.07%	0.005%
50	5.405	5.362	5.414	VV	572	15947	0.18%	0.011%
51	5.427	5.414	5.443	VV	627	8774	0.10%	0.006%
52	5.501	5.443	5.541	VV	556	29415	0.34%	0.021%
53	5.550	5.541	5.573	VV	541	9685	0.11%	0.007%
54	5.589	5.573	5.598	VV	533	7711	0.09%	0.005%
55	5.621	5.598	5.645	VV	731	16619	0.19%	0.012%
56	5.671	5.645	5.748	VV	581	33351	0.38%	0.024%
57	5.778	5.748	5.787	VV	578	12914	0.15%	0.009%
58	5.812	5.787	5.831	VV	659	15158	0.17%	0.011%
59	5.857	5.831	5.901	VV	865	27746	0.32%	0.020%
60	5.919	5.901	5.938	VV	665	13835	0.16%	0.010%
61	5.947	5.938	5.978	VV	715	14529	0.17%	0.010%
62	5.988	5.978	6.001	VV	686	8970	0.10%	0.006%
63	6.009	6.001	6.051	VV	635	18372	0.21%	0.013%
64	6.097	6.051	6.124	VV	690	29180	0.34%	0.021%
65	6.139	6.124	6.161	VV	728	14450	0.17%	0.010%
66	6.190	6.161	6.244	VV	700	31928	0.37%	0.023%
67	6.261	6.244	6.335	VV	732	35992	0.42%	0.025%
68	6.396	6.335	6.434	VV	1023	47931	0.55%	0.034%
69	6.444	6.434	6.478	VV	831	19987	0.23%	0.014%
70	6.515	6.478	6.525	VV	820	21352	0.25%	0.015%
71	6.555	6.525	6.574	VV	894	23807	0.27%	0.017%
72	6.584	6.574	6.598	VV	812	10568	0.12%	0.007%
73	6.622	6.598	6.641	VV	799	20110	0.23%	0.014%
74	6.648	6.641	6.671	VV	816	13572	0.16%	0.010%
75	6.687	6.671	6.708	VV	936	18884	0.22%	0.013%
76	6.718	6.708	6.731	VV	777	10661	0.12%	0.008%
77	6.740	6.731	6.767	VV	854	17238	0.20%	0.012%
78	6.929	6.767	7.038	VV	1076	136935	1.58%	0.097%
79	7.129	7.038	7.147	VV	914	55045	0.63%	0.039%
80	7.264	7.147	7.298	VV	1077	82831	0.96%	0.059%
81	7.351	7.298	7.377	VV	1124	48501	0.56%	0.034%
82	7.406	7.377	7.458	VV	1105	51774	0.60%	0.037%
83	7.567	7.458	7.614	VV	1152	102474	1.18%	0.072%
84	7.702	7.614	7.777	VV	1337	117160	1.35%	0.083%
85	7.802	7.777	7.851	VV	1253	51638	0.60%	0.037%
86	7.864	7.851	7.910	VV	1147	39873	0.46%	0.028%
87	7.935	7.910	7.959	VV	1197	33288	0.38%	0.024%
88	7.984	7.959	8.007	VV	1240	32756	0.38%	0.023%
89	8.032	8.007	8.048	VV	1243	28887	0.33%	0.020%

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90	8.363	8.341	8.394	VV	1904	57969	0.67%	0.041%
91	8.423	8.394	8.478	VV	2304	97424	1.12%	0.069%
92	8.502	8.478	8.528	VV	1961	57062	0.66%	0.040%
93	8.575	8.528	8.620	VV	2519	121715	1.40%	0.086%
94	8.682	8.620	8.784	VV	2926	238883	2.76%	0.169%
95	8.859	8.784	8.918	VV	2897	212099	2.45%	0.150%
96	9.161	9.144	9.181	VV	4452	96461	1.11%	0.068%
97	9.221	9.181	9.288	VV	5661	291004	3.36%	0.206%
98	9.317	9.288	9.344	VV	4755	149984	1.73%	0.106%
99	9.420	9.344	9.478	VV	5995	418387	4.83%	0.296%
100	9.510	9.478	9.544	VV	5868	224314	2.59%	0.159%
101	9.607	9.544	9.631	VV	6608	308552	3.56%	0.218%
102	9.736	9.631	9.751	VV	7231	470930	5.43%	0.333%
103	9.920	9.751	9.951	VV	9159	943787	10.89%	0.668%
104	9.998	9.951	10.044	VH	9994	521233	6.01%	0.369%
105	10.078	10.044	10.101	HH	10234	343229	3.96%	0.243%
106	10.123	10.101	10.141	HH	10916	250471	2.89%	0.177%
107	10.175	10.141	10.221	HH	20832	678882	7.83%	0.480%
108	10.236	10.221	10.258	HH	13041	281137	3.24%	0.199%
109	10.307	10.258	10.338	HH	13596	627021	7.23%	0.444%
110	10.472	10.338	10.487	HH	15908	1291007	14.89%	0.913%
111	10.695	10.487	10.718	HH	20325	2441897	28.17%	1.727%
112	10.789	10.718	10.808	HH	22207	1141030	13.16%	0.807%
113	10.846	10.808	10.864	HH	24966	777908	8.97%	0.550%
114	10.966	10.864	11.008	HH	28026	2141343	24.70%	1.515%
115	11.044	11.008	11.061	HH	27816	859602	9.91%	0.608%
116	11.115	11.061	11.171	HH	31674	1903948	21.96%	1.347%
117	11.290	11.171	11.308	HH	32898	2518695	29.05%	1.782%
118	11.331	11.308	11.354	HH	33269	915468	10.56%	0.648%
119	11.383	11.354	11.408	HH	34991	1085254	12.52%	0.768%
120	11.482	11.408	11.506	HH	36840	2101671	24.24%	1.487%
121	11.756	11.506	11.781	HH	42102	6486527	74.82%	4.588%
122	11.832	11.781	11.883	HH	46733	2654612	30.62%	1.878%
123	12.074	11.883	12.111	HH	282002	8669773	100.00%	6.133%
124	12.130	12.111	12.148	HH	49834	1053490	12.15%	0.745%
125	12.170	12.148	12.192	HH	49173	1261739	14.55%	0.893%
126	12.218	12.192	12.248	HH	49217	1637111	18.88%	1.158%
127	12.266	12.248	12.348	HH	51330	2965612	34.21%	2.098%
128	12.416	12.348	12.468	HH	51259	3595219	41.47%	2.543%
129	12.581	12.468	12.620	HH	52557	4588997	52.93%	3.246%
130	12.672	12.620	12.721	HH	59005	3205883	36.98%	2.268%
131	12.738	12.721	12.796	HH	54216	2334322	26.92%	1.651%
132	12.837	12.796	12.900	HH	51469	3108034	35.85%	2.199%
133	12.921	12.900	12.984	HH	50199	2480820	28.61%	1.755%
134	13.005	12.984	13.030	HH	48798	1313853	15.15%	0.929%
135	13.051	13.030	13.078	HH	49746	1407449	16.23%	0.996%
136	13.093	13.078	13.118	HH	48922	1153475	13.30%	0.816%
137	13.162	13.118	13.265	HH	48501	4160940	47.99%	2.943%
138	13.287	13.265	13.304	HH	45734	1065419	12.29%	0.754%
139	13.339	13.304	13.374	HH	46334	1884576	21.74%	1.333%
140	13.397	13.374	13.474	HH	44572	2598199	29.97%	1.838%
141	13.512	13.474	13.604	HH	216766	5395828	62.24%	3.817%

rteres								
142	13.622	13.604	13.654	HH	45967	1285259	14.82%	0.909%
143	13.687	13.654	13.708	HH	42731	1333992	15.39%	0.944%
144	13.728	13.708	13.834	HH	43864	3070337	35.41%	2.172%
145	13.858	13.834	13.894	HH	39724	1392024	16.06%	0.985%
146	13.908	13.894	13.938	HH	39133	979270	11.30%	0.693%
147	13.951	13.938	13.979	HH	37511	927610	10.70%	0.656%
148	14.000	13.979	14.069	HH	37057	1930241	22.26%	1.365%
149	14.088	14.069	14.144	HH	36004	1586917	18.30%	1.123%
150	14.186	14.144	14.248	HH	34276	2096259	24.18%	1.483%
151	14.262	14.248	14.408	HH	34099	3078736	35.51%	2.178%
152	14.425	14.408	14.471	HH	31535	1167557	13.47%	0.826%
153	14.493	14.471	14.723	HH	30741	4275663	49.32%	3.024%
154	14.743	14.723	14.764	HH	27046	653594	7.54%	0.462%
155	14.784	14.764	14.854	HH	26824	1392608	16.06%	0.985%
156	14.865	14.854	15.074	HV	25595	3125159	36.05%	2.211%
157	15.099	15.074	15.185	VV	22757	1454365	16.78%	1.029%
158	15.208	15.185	15.294	VV	21705	1345698	15.52%	0.952%
159	15.322	15.294	15.348	VV	20073	638556	7.37%	0.452%
160	15.366	15.348	15.392	VV	20967	535867	6.18%	0.379%
161	15.413	15.392	15.664	VV	20056	2882955	33.25%	2.039%
162	15.684	15.664	15.741	VV	16564	746655	8.61%	0.528%
163	15.777	15.741	15.871	VV	20170	1323419	15.26%	0.936%
164	15.890	15.871	15.958	VV	15802	775521	8.95%	0.549%
165	15.975	15.958	16.028	VV	15215	599473	6.91%	0.424%
166	16.037	16.028	16.107	VV	13984	644803	7.44%	0.456%
167	16.132	16.107	16.278	VV	13371	1317953	15.20%	0.932%
168	16.293	16.278	16.338	VV	12664	444597	5.13%	0.314%
169	16.354	16.338	16.373	VV	12428	259509	2.99%	0.184%
170	16.395	16.373	16.444	VV	13060	519367	5.99%	0.367%
171	16.456	16.444	16.574	VV	11855	888014	10.24%	0.628%
172	16.612	16.574	16.684	VV	11510	723277	8.34%	0.512%
173	16.704	16.684	16.740	VV	10959	357069	4.12%	0.253%
174	16.800	16.740	16.824	VV	10814	531847	6.13%	0.376%
175	16.879	16.824	16.931	VV	11897	682579	7.87%	0.483%
176	16.961	16.931	16.997	VV	10118	397211	4.58%	0.281%
177	17.015	16.997	17.140	VV	9904	824769	9.51%	0.583%
178	17.163	17.140	17.204	VV	9491	360459	4.16%	0.255%
179	17.224	17.204	17.254	VV	9534	280373	3.23%	0.198%
180	17.347	17.254	17.534	VV	12989	1603390	18.49%	1.134%
181	17.557	17.534	17.576	VV	8895	222898	2.57%	0.158%
182	17.606	17.576	17.644	VV	8884	358478	4.13%	0.254%
183	17.749	17.644	17.768	VV	8937	644946	7.44%	0.456%
184	17.799	17.768	17.864	VV	13899	572209	6.60%	0.405%
185	17.883	17.864	17.958	VV	8722	468946	5.41%	0.332%
186	18.019	17.958	18.038	VV	8234	389388	4.49%	0.275%
187	18.236	18.038	18.297	VV	16222	1385340	15.98%	0.980%
188	18.327	18.297	18.388	VV	9585	458063	5.28%	0.324%
Sum of corrected areas:							141370237	

Aliphatic EPH 082925.M Fri Sep 05 04:13:44 2025



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FE082925AL

AreaCount

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

AVG Response Factor

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

Concentration

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

Response Factor

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

Initial Calibration Report for SequenceID : FE082925AL

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082925AL\
 Data File : FE055545.D
 Signal(s) : FID1B.ch
 Acq On : 28 Aug 2025 09:34
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Aug 29 08:04:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 29 08:03:47 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)	12.086	15313716	93.459 ug/ml
Spiked Amount 50.000		Recovery =	186.92%
12) S 1-chlorooctadecane (S...	13.519	11795222	94.406 ug/ml
Spiked Amount 50.000		Recovery =	188.81%
Target Compounds			
1) T n-Nonane (C9)	3.417	11828350	93.483 ug/ml
2) T n-Decane (C10)	4.676	12034240	94.331 ug/ml
3) T A~Naphthalene (C11.7)	6.396	13856606	94.733 ug/ml
4) T n-Dodecane (C12)	6.853	12269318	94.318 ug/ml
5) T A~2-methylnaphthalene...	7.499	13568882	95.843 ug/ml
6) T n-Tetradecane (C14)	8.690	12358220	94.192 ug/ml
7) T n-Hexadecane (C16)	10.307	13100416	95.165 ug/ml
8) T n-Octadecane (C18)	11.758	13658190	94.035 ug/ml
10) T n-Eicosane (C20)	13.071	13479465	94.109 ug/ml
11) T n-Heneicosane (C21)	13.686	13396774	94.130 ug/ml
13) T n-Docosane (C22)	14.274	13403516	93.930 ug/ml
14) T n-Tetracosane (C24)	15.381	13447515	93.151 ug/ml
15) T n-Hexacosane (C26)	16.405	13239746	92.937 ug/ml
16) T n-Octacosane (C28)	17.357	13045736	92.287 ug/ml
17) T n-Tricontane (C30)	18.247	13338524	90.923 ug/ml
18) T n-Dotriacontane (C32)	19.082	13157990	90.097 ug/ml
19) T n-Tetratriacontane (C34)	19.866	12802849	91.142 ug/ml
20) T n-Hexatriacontane (C36)	20.607	12140628	92.667 ug/ml
21) T n-Octatriacontane (C38)	21.386	11994777	94.464 ug/ml
22) T n-Tetracontane (C40)	22.376	11662383	95.080 ug/ml

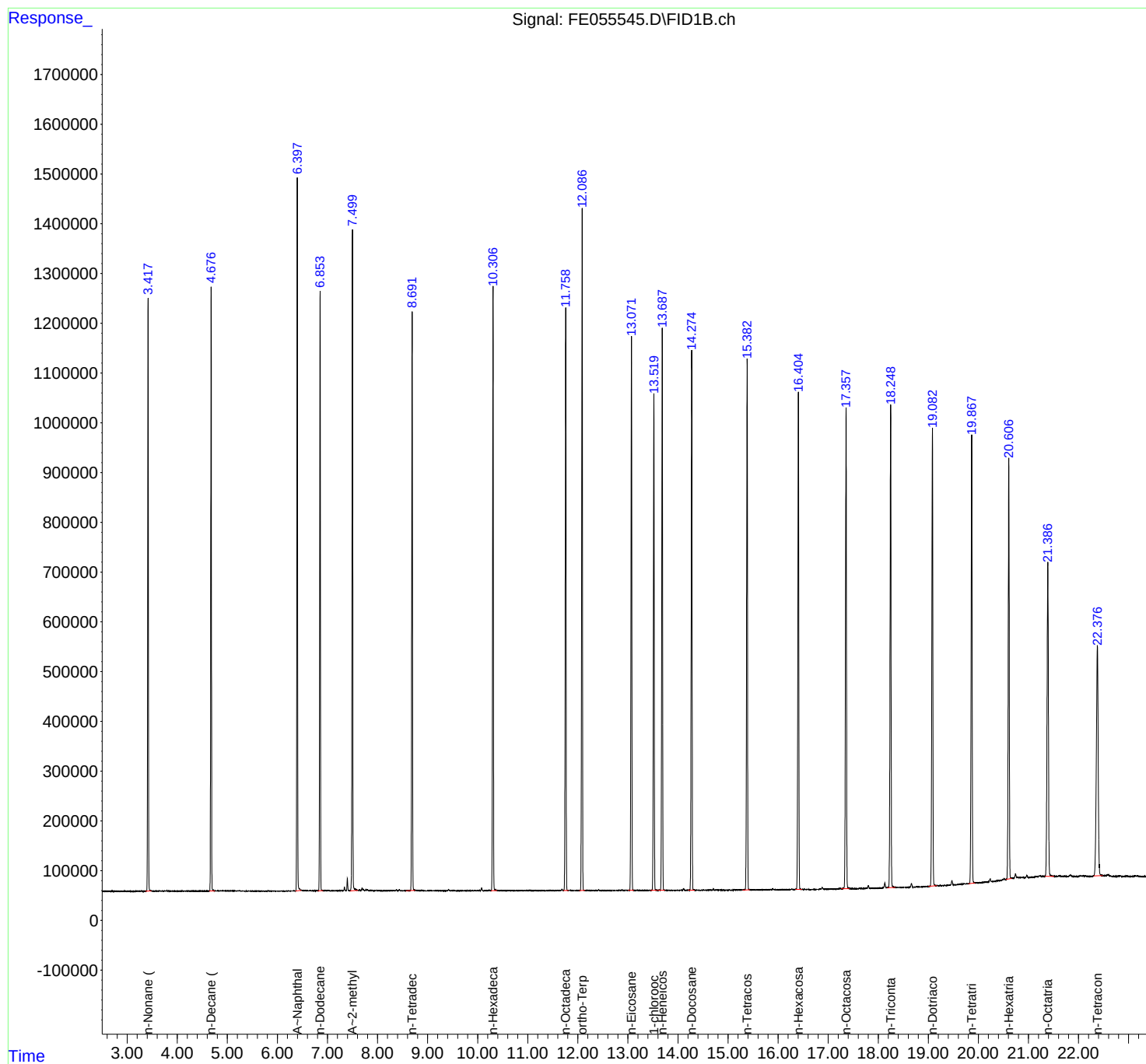
(f)=RT Delta > 1/2 Window

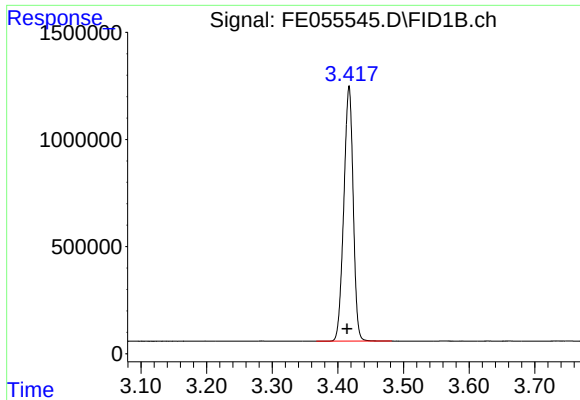
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082925AL\
Data File : FE055545.D
Signal(s) : FID1B.ch
Acq On : 28 Aug 2025 09:34
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 29 08:04:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:03:47 2025
Response via : Initial Calibration
Integrator: ChemStation

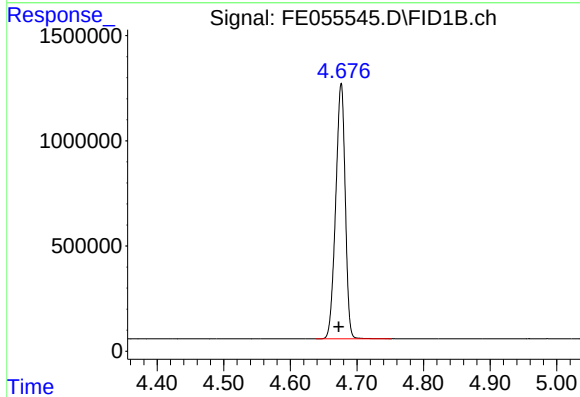
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





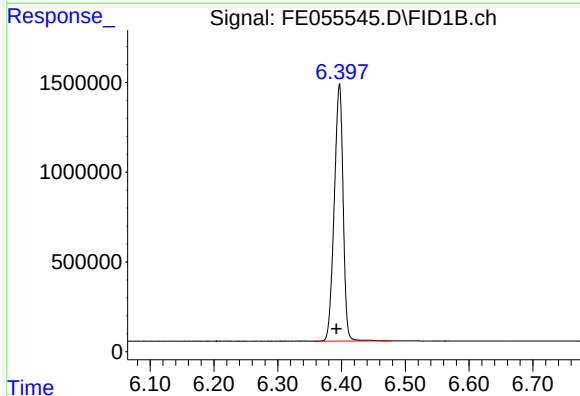
#1 n-Nonane (C9)

R.T.: 3.417 min
Delta R.T.: 0.003 min
Response: 11828350
Conc: 93.48 ug/ml



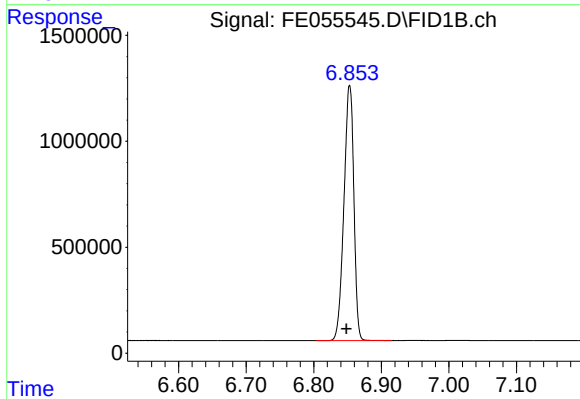
#2 n-Decane (C10)

R.T.: 4.676 min
Delta R.T.: 0.003 min
Response: 12034240
Conc: 94.33 ug/ml



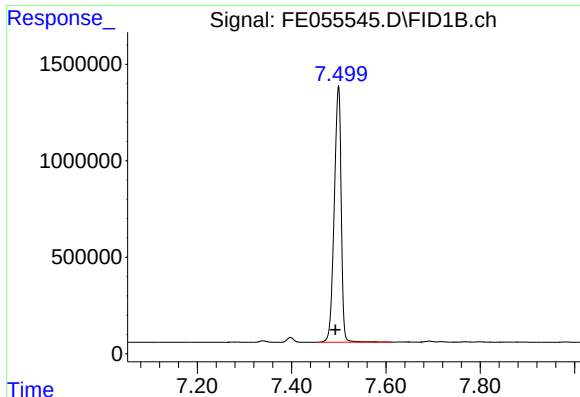
#3 A~Naphthalene (C11.7)

R.T.: 6.396 min
Delta R.T.: 0.004 min
Response: 13856606
Conc: 94.73 ug/ml



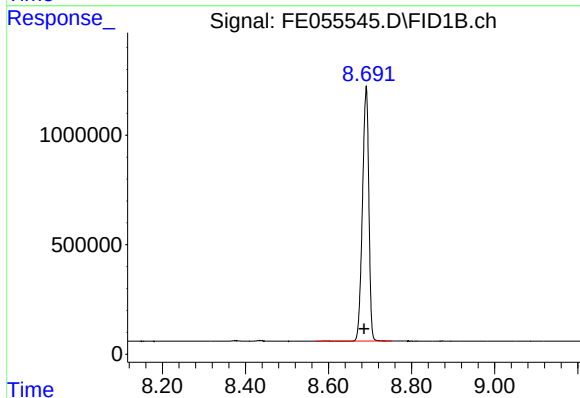
#4 n-Dodecane (C12)

R.T.: 6.853 min
Delta R.T.: 0.005 min
Response: 12269318
Conc: 94.32 ug/ml



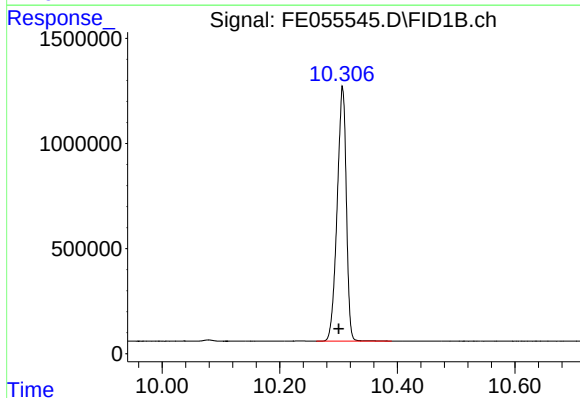
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.499 min
Delta R.T.: 0.006 min
Response: 13568882
Conc: 95.84 ug/ml



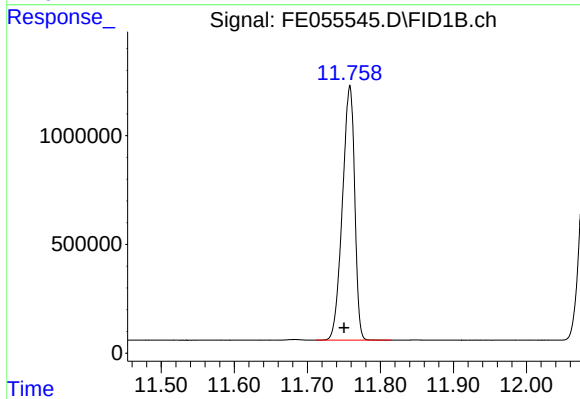
#6 n-Tetradecane (C14)

R.T.: 8.690 min
Delta R.T.: 0.005 min
Response: 12358220
Conc: 94.19 ug/ml



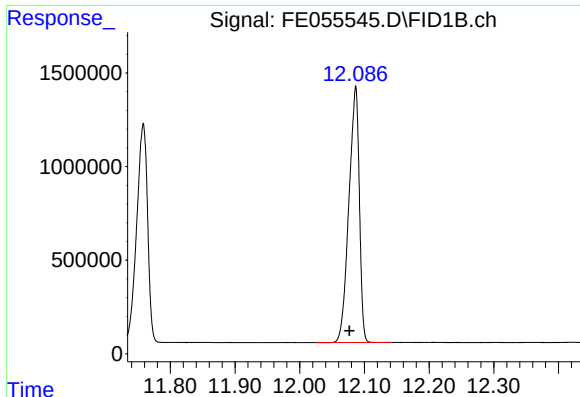
#7 n-Hexadecane (C16)

R.T.: 10.307 min
Delta R.T.: 0.006 min
Response: 13100416
Conc: 95.17 ug/ml



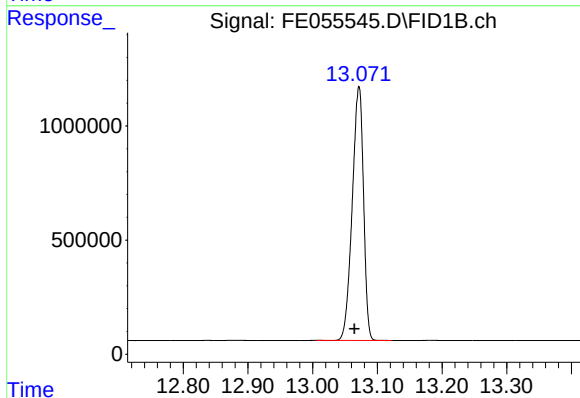
#8 n-Octadecane (C18)

R.T.: 11.758 min
Delta R.T.: 0.008 min
Response: 13658190
Conc: 94.03 ug/ml



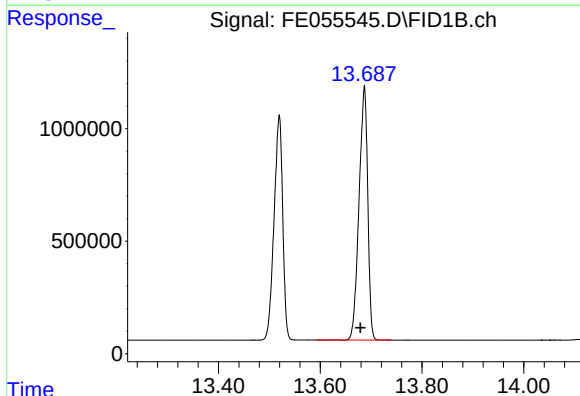
#9 ortho-Terphenyl (SURR)

R.T.: 12.086 min
Delta R.T.: 0.009 min
Response: 15313716
Conc: 93.46 ug/ml



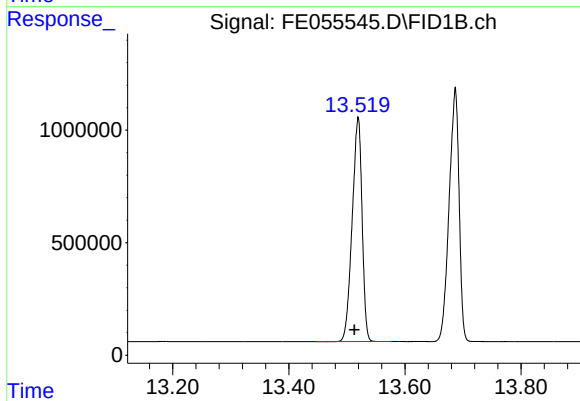
#10 n-Eicosane (C20)

R.T.: 13.071 min
Delta R.T.: 0.007 min
Response: 13479465
Conc: 94.11 ug/ml



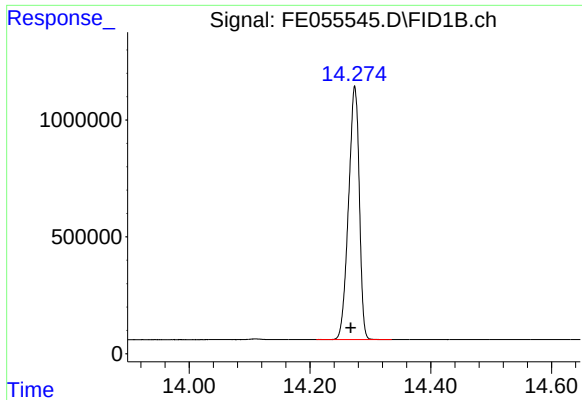
#11 n-Heneicosane (C21)

R.T.: 13.686 min
Delta R.T.: 0.008 min
Response: 13396774
Conc: 94.13 ug/ml



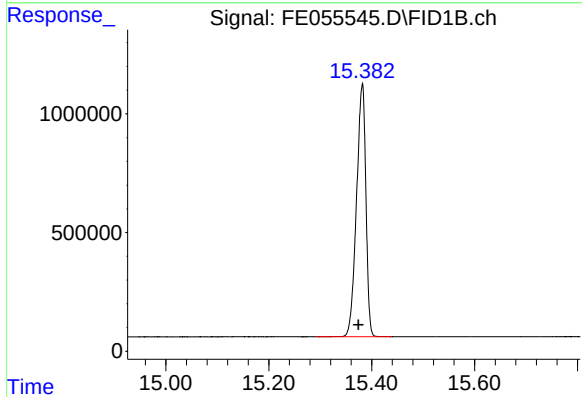
#12 1-chlorooctadecane (SURR)

R.T.: 13.519 min
Delta R.T.: 0.006 min
Response: 11795222
Conc: 94.41 ug/ml



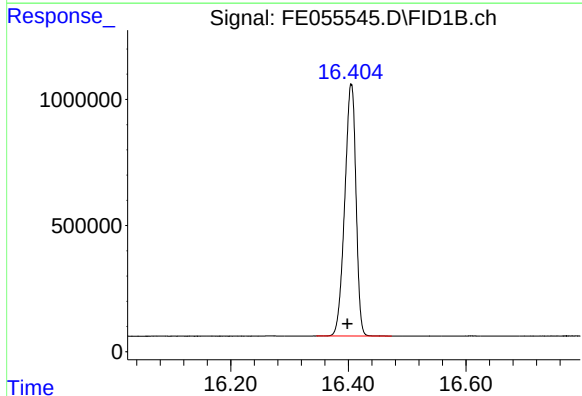
#13 n-Docosane (C22)

R.T.: 14.274 min
Delta R.T.: 0.007 min
Response: 13403516
Conc: 93.93 ug/ml



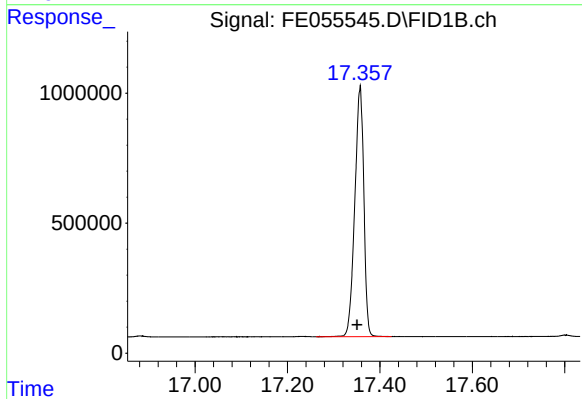
#14 n-Tetracosane (C24)

R.T.: 15.381 min
Delta R.T.: 0.007 min
Response: 13447515
Conc: 93.15 ug/ml



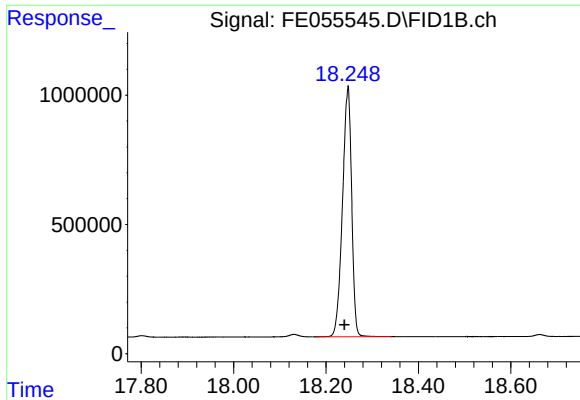
#15 n-Hexacosane (C26)

R.T.: 16.405 min
Delta R.T.: 0.006 min
Response: 13239746
Conc: 92.94 ug/ml



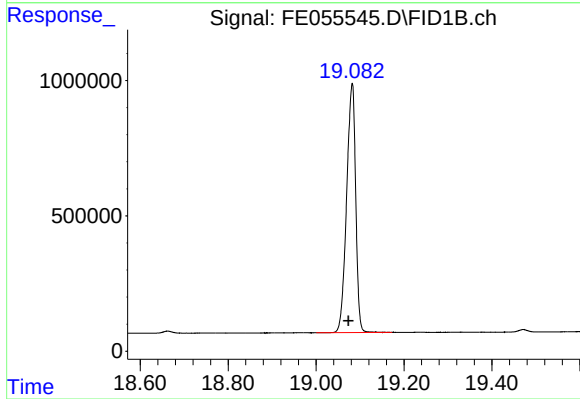
#16 n-Octacosane (C28)

R.T.: 17.357 min
Delta R.T.: 0.007 min
Response: 13045736
Conc: 92.29 ug/ml



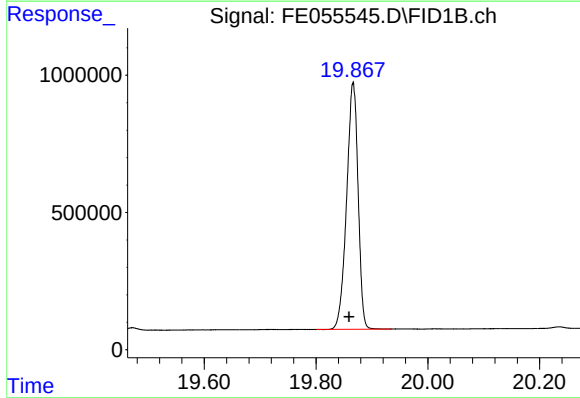
#17 n-Tricontane (C30)

R.T.: 18.247 min
Delta R.T.: 0.008 min
Response: 13338524
Conc: 90.92 ug/ml



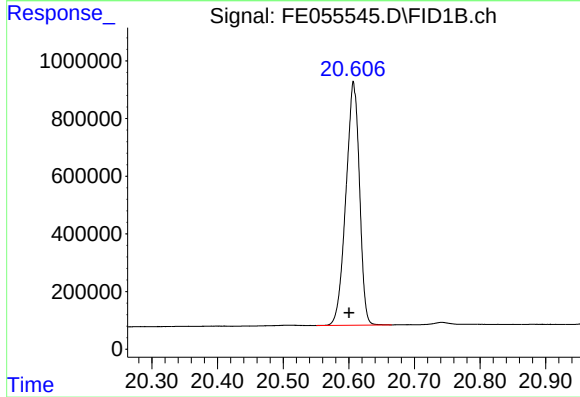
#18 n-Dotriacontane (C32)

R.T.: 19.082 min
Delta R.T.: 0.008 min
Response: 13157990
Conc: 90.10 ug/ml



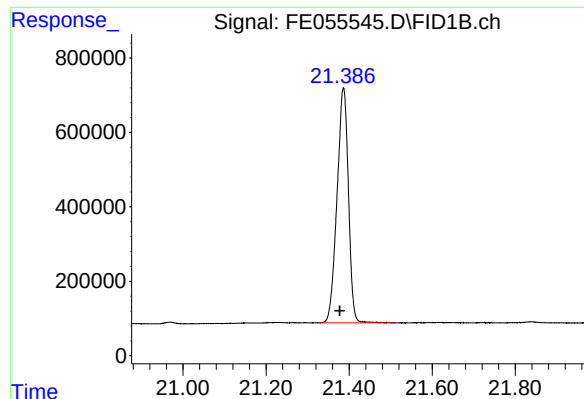
#19 n-Tetratriacontane (C34)

R.T.: 19.866 min
Delta R.T.: 0.007 min
Response: 12802849
Conc: 91.14 ug/ml



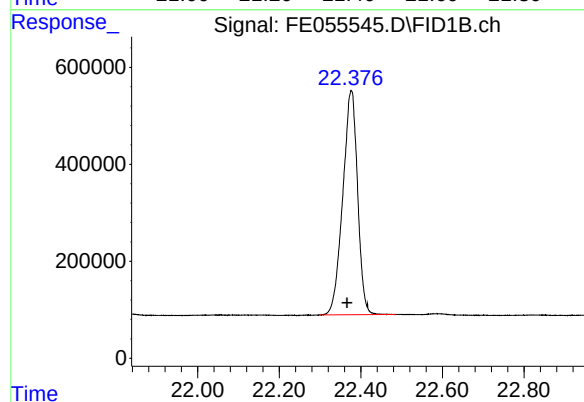
#20 n-Hexatriacontane (C36)

R.T.: 20.607 min
Delta R.T.: 0.007 min
Response: 12140628
Conc: 92.67 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.386 min
Delta R.T.: 0.009 min
Response: 11994777
Conc: 94.46 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.376 min
Delta R.T.: 0.010 min
Response: 11662383
Conc: 95.08 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082925AL\
 Data File : FE055545.D
 Signal(s) : FID1B.ch
 Acq On : 28 Aug 2025 09:34
 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 082925.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	3.417	3.367	3.482	BB	1191648	11828350	77.24%	4.152%
2	4.676	4.639	4.752	BB	1211536	12034240	78.58%	4.224%
3	6.396	6.360	6.479	BB	1439260	13856606	90.48%	4.864%
4	6.853	6.804	6.915	BB	1206551	12269318	80.12%	4.307%
5	7.499	7.452	7.612	BB	1322770	13568882	88.61%	4.763%
6	8.690	8.570	8.752	BB	1156261	12358220	80.70%	4.338%
7	10.307	10.262	10.390	BB	1210090	13100416	85.55%	4.598%
8	11.758	11.712	11.815	BB	1176381	13658190	89.19%	4.794%
9	12.086	12.025	12.142	BB	1353894	15313716	100.00%	5.375%
10	13.071	13.005	13.122	BB	1117183	13479465	88.02%	4.731%
11	13.519	13.447	13.577	BB	991309	11795222	77.02%	4.140%
12	13.686	13.592	13.740	BB	1134552	13396774	87.48%	4.702%
13	14.274	14.210	14.335	BB	1083904	13403516	87.53%	4.705%
14	15.381	15.292	15.439	BB	1068125	13447515	87.81%	4.720%
15	16.405	16.345	16.474	BB	998531	13239746	86.46%	4.647%
16	17.357	17.262	17.425	BB	959033	13045736	85.19%	4.579%
17	18.247	18.179	18.342	BB	962203	13338524	87.10%	4.682%
18	19.082	19.000	19.172	BB	921202	13157990	85.92%	4.619%
19	19.866	19.800	19.935	BB	900975	12802849	83.60%	4.494%
20	20.607	20.550	20.665	BB	843789	12140628	79.28%	4.261%
21	21.386	21.330	21.512	BB	632408	11994777	78.33%	4.210%
22	22.376	22.300	22.485	BB	462197	11662383	76.16%	4.094%
Sum of corrected areas:						284893060		

Aliphatic EPH 082925.M Fri Aug 29 08:19:39 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082925AL\
 Data File : FE055546.D
 Signal(s) : FID1B.ch
 Acq On : 28 Aug 2025 10:04
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Aug 29 08:04:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 29 08:03:47 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)	12.081	7933806	48.420 ug/ml
Spiked Amount 50.000		Recovery =	96.84%
12) S 1-chlorooctadecane (S...	13.516	6092142	48.760 ug/ml
Spiked Amount 50.000		Recovery =	97.52%
Target Compounds			
1) T n-Nonane (C9)	3.416	6168124	48.749 ug/ml
2) T n-Decane (C10)	4.674	6258750	49.059 ug/ml
3) T A~Naphthalene (C11.7)	6.394	7168456	49.008 ug/ml
4) T n-Dodecane (C12)	6.851	6366363	48.940 ug/ml
5) T A~2-methylnaphthalene...	7.496	6971341	49.242 ug/ml
6) T n-Tetradecane (C14)	8.688	6399972	48.779 ug/ml
7) T n-Hexadecane (C16)	10.303	6747569	49.016 ug/ml
8) T n-Octadecane (C18)	11.753	7052281	48.554 ug/ml
10) T n-Eicosane (C20)	13.068	6959863	48.591 ug/ml
11) T n-Heneicosane (C21)	13.682	6920011	48.622 ug/ml
13) T n-Docosane (C22)	14.270	6934567	48.596 ug/ml
14) T n-Tetracosane (C24)	15.377	6974373	48.311 ug/ml
15) T n-Hexacosane (C26)	16.402	6883971	48.322 ug/ml
16) T n-Octacosane (C28)	17.353	6797291	48.085 ug/ml
17) T n-Tricontane (C30)	18.243	6954737	47.407 ug/ml
18) T n-Dotriacontane (C32)	19.077	6869783	47.040 ug/ml
19) T n-Tetratriacontane (C34)	19.863	6674365	47.514 ug/ml
20) T n-Hexatriacontane (C36)	20.604	6315211	48.203 ug/ml
21) T n-Octatriacontane (C38)	21.384	6168238	48.578 ug/ml
22) T n-Tetracontane (C40)	22.370	6109031	49.805 ug/ml

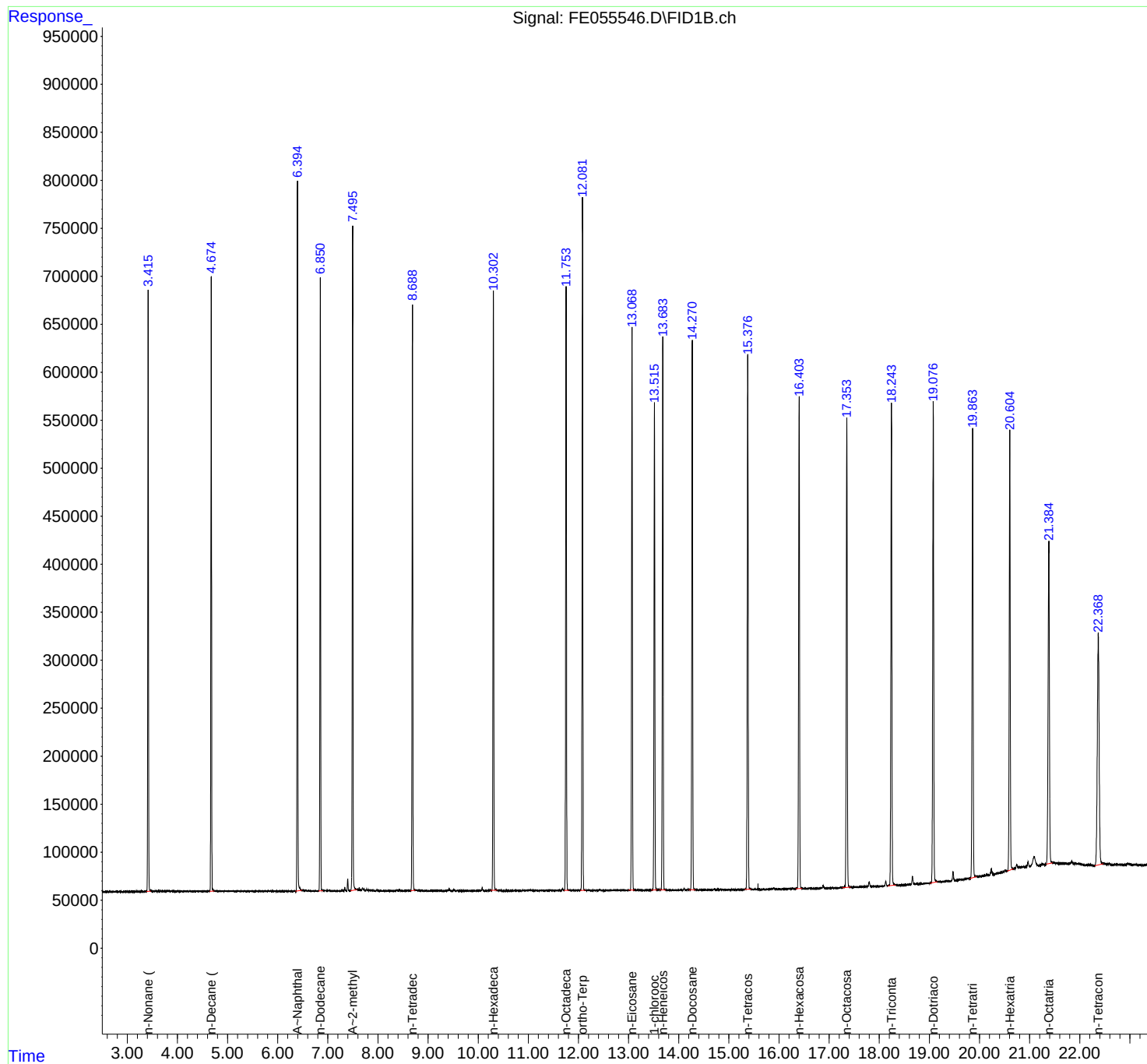
(f)=RT Delta > 1/2 Window

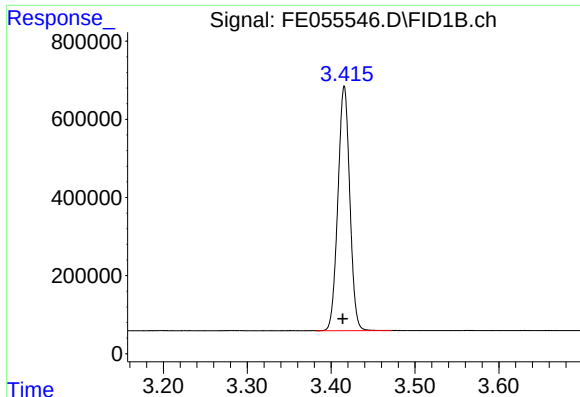
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082925AL\
Data File : FE055546.D
Signal(s) : FID1B.ch
Acq On : 28 Aug 2025 10:04
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 29 08:04:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:03:47 2025
Response via : Initial Calibration
Integrator: ChemStation

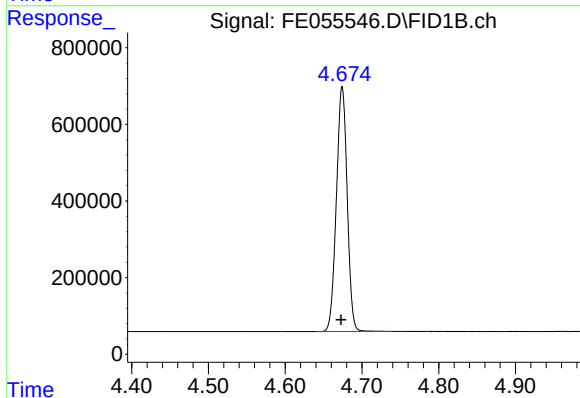
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





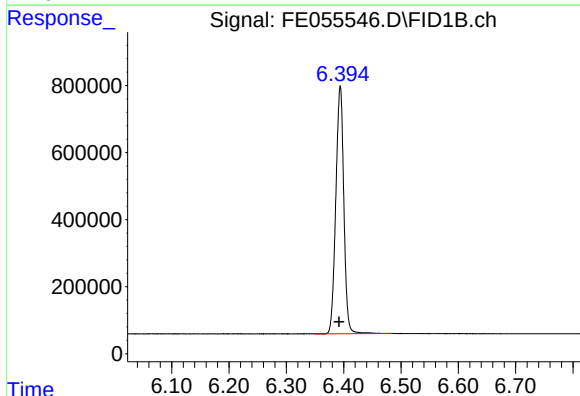
#1 n-Nonane (C9)

R.T.: 3.416 min
Delta R.T.: 0.002 min
Response: 6168124
Conc: 48.75 ug/ml



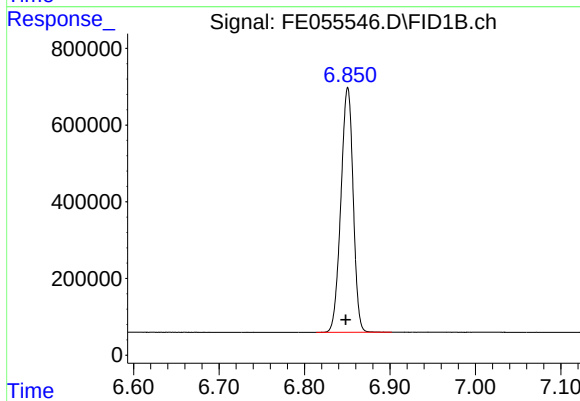
#2 n-Decane (C10)

R.T.: 4.674 min
Delta R.T.: 0.002 min
Response: 6258750
Conc: 49.06 ug/ml



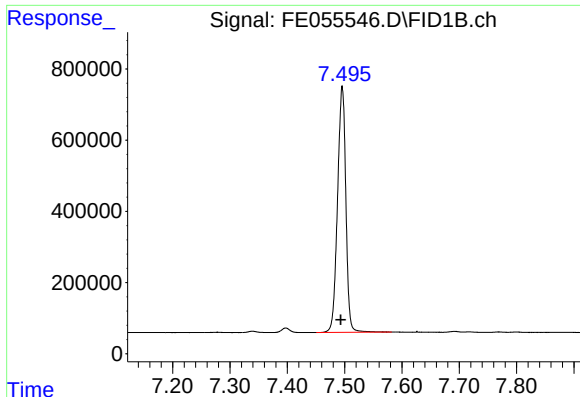
#3 A~Naphthalene (C11.7)

R.T.: 6.394 min
Delta R.T.: 0.002 min
Response: 7168456
Conc: 49.01 ug/ml



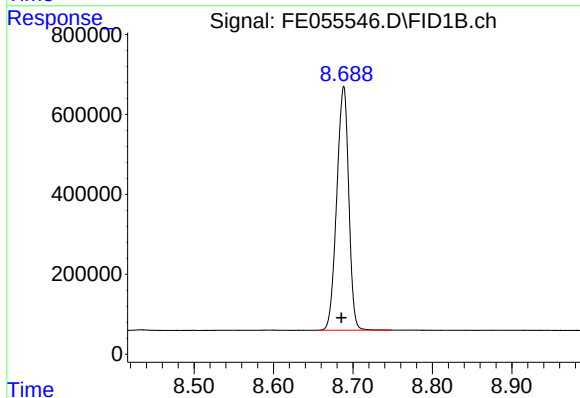
#4 n-Dodecane (C12)

R.T.: 6.851 min
Delta R.T.: 0.002 min
Response: 6366363
Conc: 48.94 ug/ml



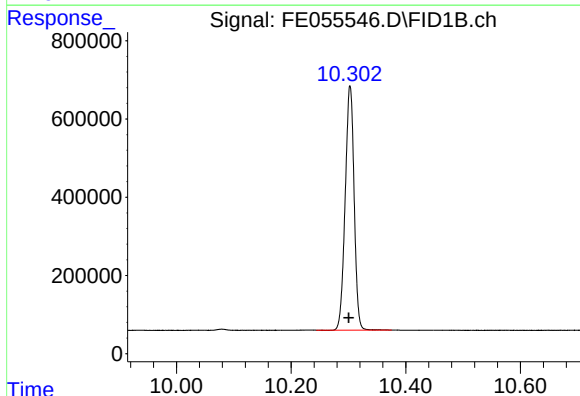
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.496 min
Delta R.T.: 0.002 min
Response: 6971341
Conc: 49.24 ug/ml



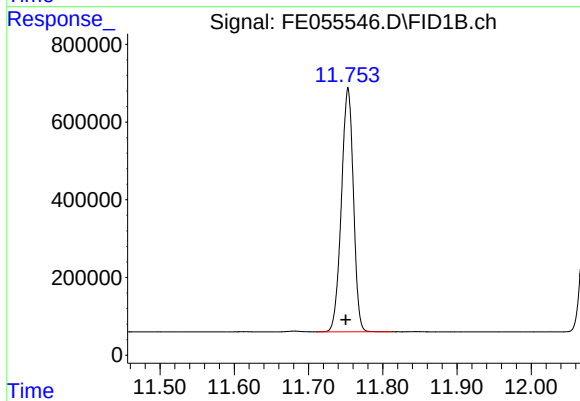
#6 n-Tetradecane (C14)

R.T.: 8.688 min
Delta R.T.: 0.003 min
Response: 6399972
Conc: 48.78 ug/ml



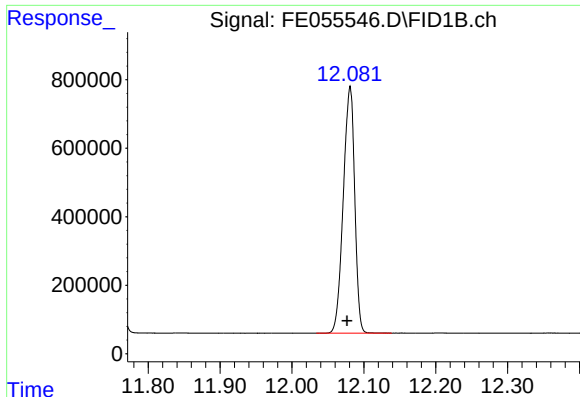
#7 n-Hexadecane (C16)

R.T.: 10.303 min
Delta R.T.: 0.003 min
Response: 6747569
Conc: 49.02 ug/ml



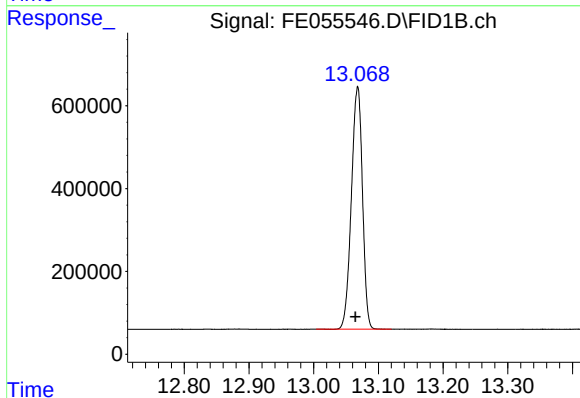
#8 n-Octadecane (C18)

R.T.: 11.753 min
Delta R.T.: 0.003 min
Response: 7052281
Conc: 48.55 ug/ml



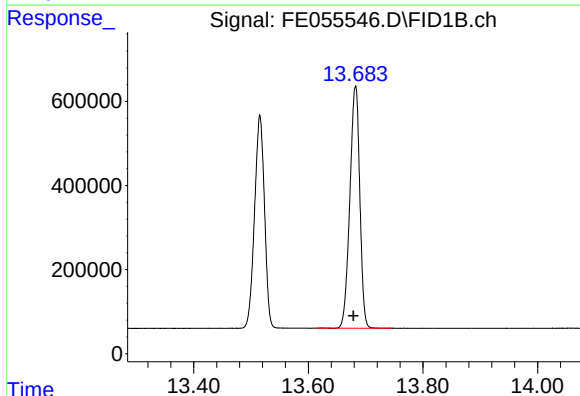
#9 ortho-Terphenyl (SURR)

R.T.: 12.081 min
Delta R.T.: 0.004 min
Response: 7933806
Conc: 48.42 ug/ml



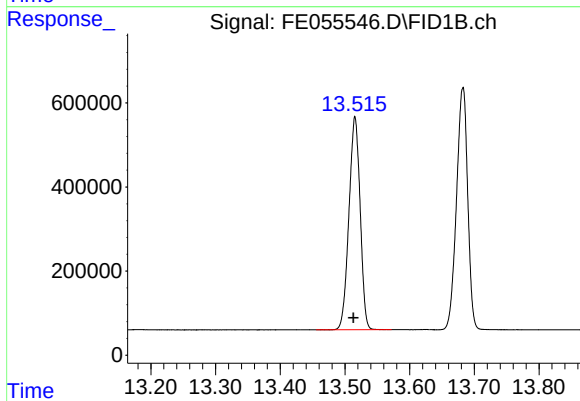
#10 n-Eicosane (C20)

R.T.: 13.068 min
Delta R.T.: 0.003 min
Response: 6959863
Conc: 48.59 ug/ml



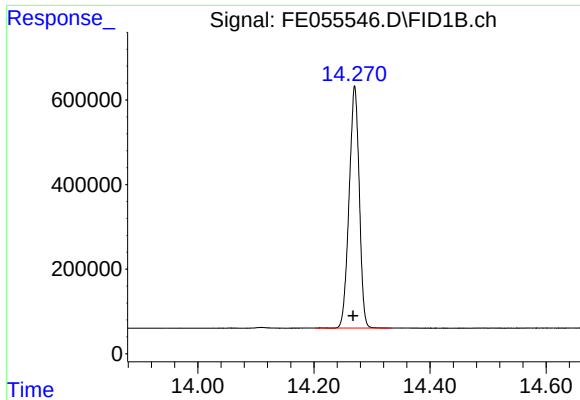
#11 n-Heneicosane (C21)

R.T.: 13.682 min
Delta R.T.: 0.003 min
Response: 6920011
Conc: 48.62 ug/ml



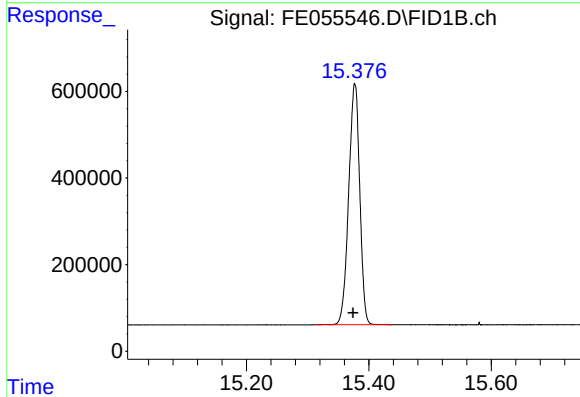
#12 1-chlorooctadecane (SURR)

R.T.: 13.516 min
Delta R.T.: 0.003 min
Response: 6092142
Conc: 48.76 ug/ml



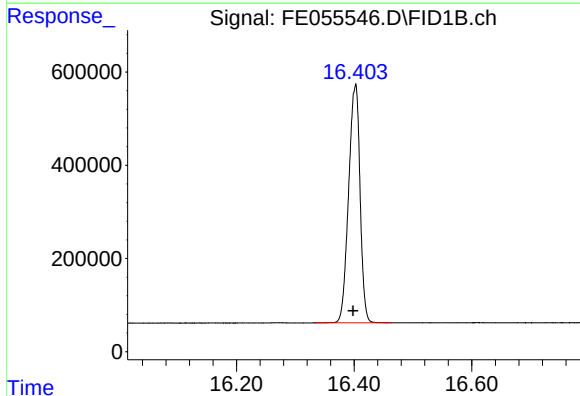
#13 n-Docosane (C22)

R.T.: 14.270 min
Delta R.T.: 0.003 min
Response: 6934567
Conc: 48.60 ug/ml



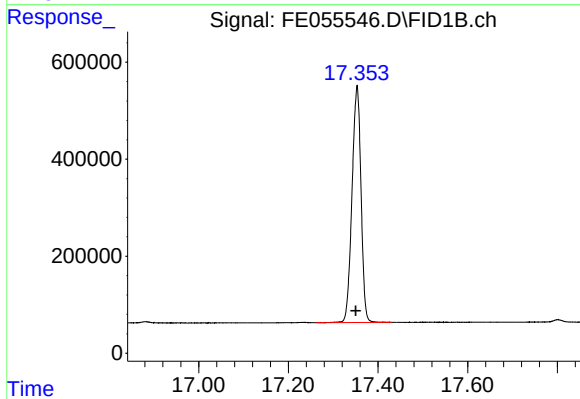
#14 n-Tetracosane (C24)

R.T.: 15.377 min
Delta R.T.: 0.002 min
Response: 6974373
Conc: 48.31 ug/ml



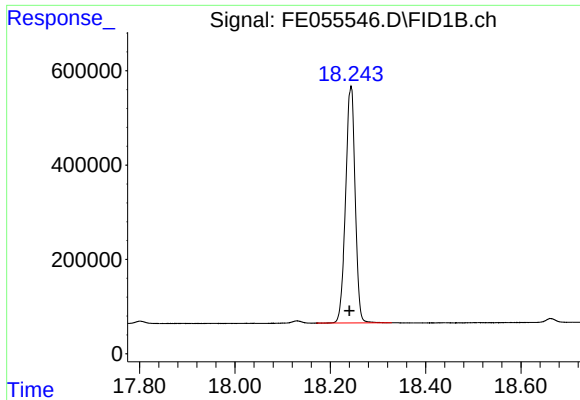
#15 n-Hexacosane (C26)

R.T.: 16.402 min
Delta R.T.: 0.003 min
Response: 6883971
Conc: 48.32 ug/ml



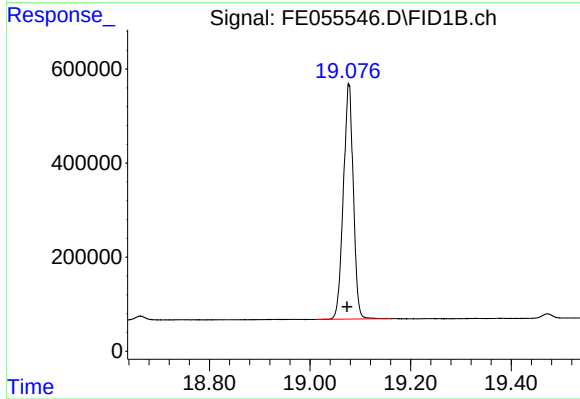
#16 n-Octacosane (C28)

R.T.: 17.353 min
Delta R.T.: 0.003 min
Response: 6797291
Conc: 48.08 ug/ml



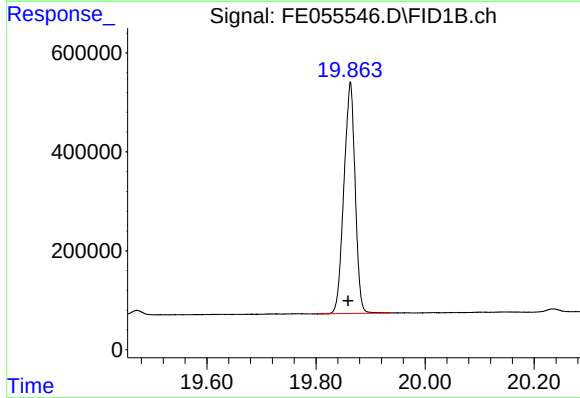
#17 n-Tricontane (C30)

R.T.: 18.243 min
Delta R.T.: 0.003 min
Response: 6954737
Conc: 47.41 ug/ml



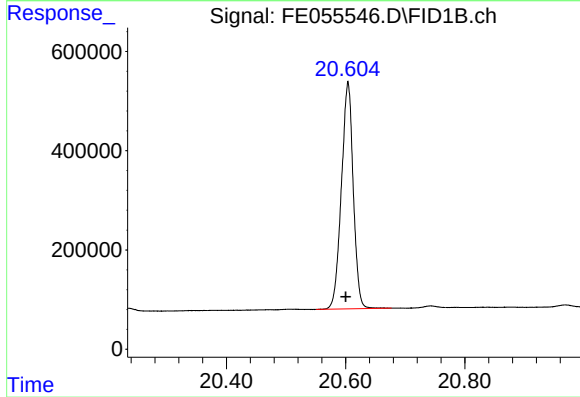
#18 n-Dotriacontane (C32)

R.T.: 19.077 min
Delta R.T.: 0.003 min
Response: 6869783
Conc: 47.04 ug/ml



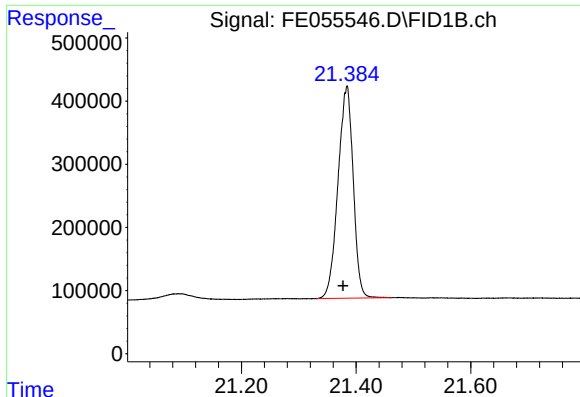
#19 n-Tetratriacontane (C34)

R.T.: 19.863 min
Delta R.T.: 0.004 min
Response: 6674365
Conc: 47.51 ug/ml



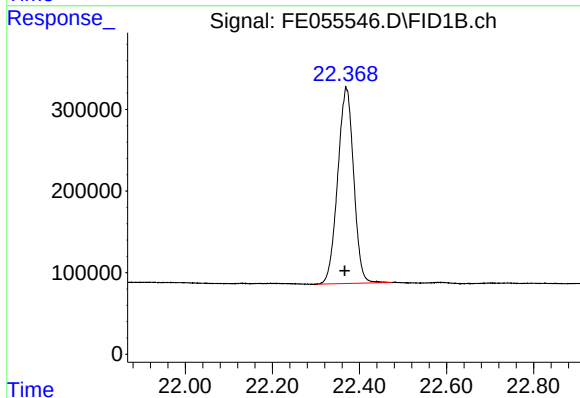
#20 n-Hexatriacontane (C36)

R.T.: 20.604 min
Delta R.T.: 0.003 min
Response: 6315211
Conc: 48.20 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.384 min
Delta R.T.: 0.006 min
Response: 6168238
Conc: 48.58 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.370 min
Delta R.T.: 0.004 min
Response: 6109031
Conc: 49.80 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082925AL\
 Data File : FE055546.D
 Signal(s) : FID1B.ch
 Acq On : 28 Aug 2025 10:04
 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 082925.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	3.416	3.382	3.472	BB	625995	6168124	77.74%	4.176%
2	4.674	4.640	4.739	BB	639264	6258750	78.89%	4.237%
3	6.394	6.352	6.484	BB	740311	7168456	90.35%	4.853%
4	6.851	6.814	6.902	BB	638794	6366363	80.24%	4.310%
5	7.496	7.450	7.582	BB	692688	6971341	87.87%	4.719%
6	8.688	8.654	8.749	BB	614230	6399972	80.67%	4.332%
7	10.303	10.244	10.375	BB	626472	6747569	85.05%	4.568%
8	11.753	11.710	11.812	BB	629313	7052281	88.89%	4.774%
9	12.081	12.034	12.139	BB	719382	7933806	100.00%	5.371%
10	13.068	13.004	13.120	BB	582752	6959863	87.72%	4.712%
11	13.516	13.455	13.572	BB	507700	6092142	76.79%	4.124%
12	13.682	13.614	13.745	BB	575245	6920011	87.22%	4.685%
13	14.270	14.204	14.334	BB	572853	6934567	87.41%	4.694%
14	15.377	15.314	15.437	BB	557114	6974373	87.91%	4.721%
15	16.402	16.335	16.464	BB	509688	6883971	86.77%	4.660%
16	17.353	17.262	17.430	BB	490696	6797291	85.68%	4.601%
17	18.243	18.170	18.329	BB	503057	6954737	87.66%	4.708%
18	19.077	19.012	19.162	BB	499413	6869783	86.59%	4.651%
19	19.863	19.800	19.939	BB	466529	6674365	84.13%	4.518%
20	20.604	20.550	20.677	BB	458043	6315211	79.60%	4.275%
21	21.384	21.330	21.462	BB	336062	6168238	77.75%	4.176%
22	22.370	22.300	22.474	BB	238304	6109031	77.00%	4.136%
Sum of corrected areas:						147720243		

Aliphatic EPH 082925.M Fri Aug 29 08:20:00 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082925AL\
 Data File : FE055547.D
 Signal(s) : FID1B.ch
 Acq On : 28 Aug 2025 10:34
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Aug 29 08:05:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:03:47 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	3277094	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.513	2498820	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.414	2530579	20.000 ug/ml
2) T n-Decane (C10)	4.673	2551497	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.392	2925404	20.000 ug/ml
4) T n-Dodecane (C12)	6.848	2601682	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.493	2831487	20.000 ug/ml
6) T n-Tetradecane (C14)	8.685	2624050	20.000 ug/ml
7) T n-Hexadecane (C16)	10.300	2753193	20.000 ug/ml
8) T n-Octadecane (C18)	11.750	2904925	20.000 ug/ml
10) T n-Eicosane (C20)	13.064	2864643	20.000 ug/ml
11) T n-Heneicosane (C21)	13.679	2846445	20.000 ug/ml
13) T n-Docosane (C22)	14.267	2853950	20.000 ug/ml
14) T n-Tetracosane (C24)	15.375	2887260	20.000 ug/ml
15) T n-Hexacosane (C26)	16.398	2849191	20.000 ug/ml
16) T n-Octacosane (C28)	17.350	2827205	20.000 ug/ml
17) T n-Tricontane (C30)	18.240	2934030	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.074	2920846	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.859	2809431	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.601	2620265	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.377	2539543	20.000 ug/ml
22) T n-Tetracontane (C40)	22.366	2453185	20.000 ug/ml

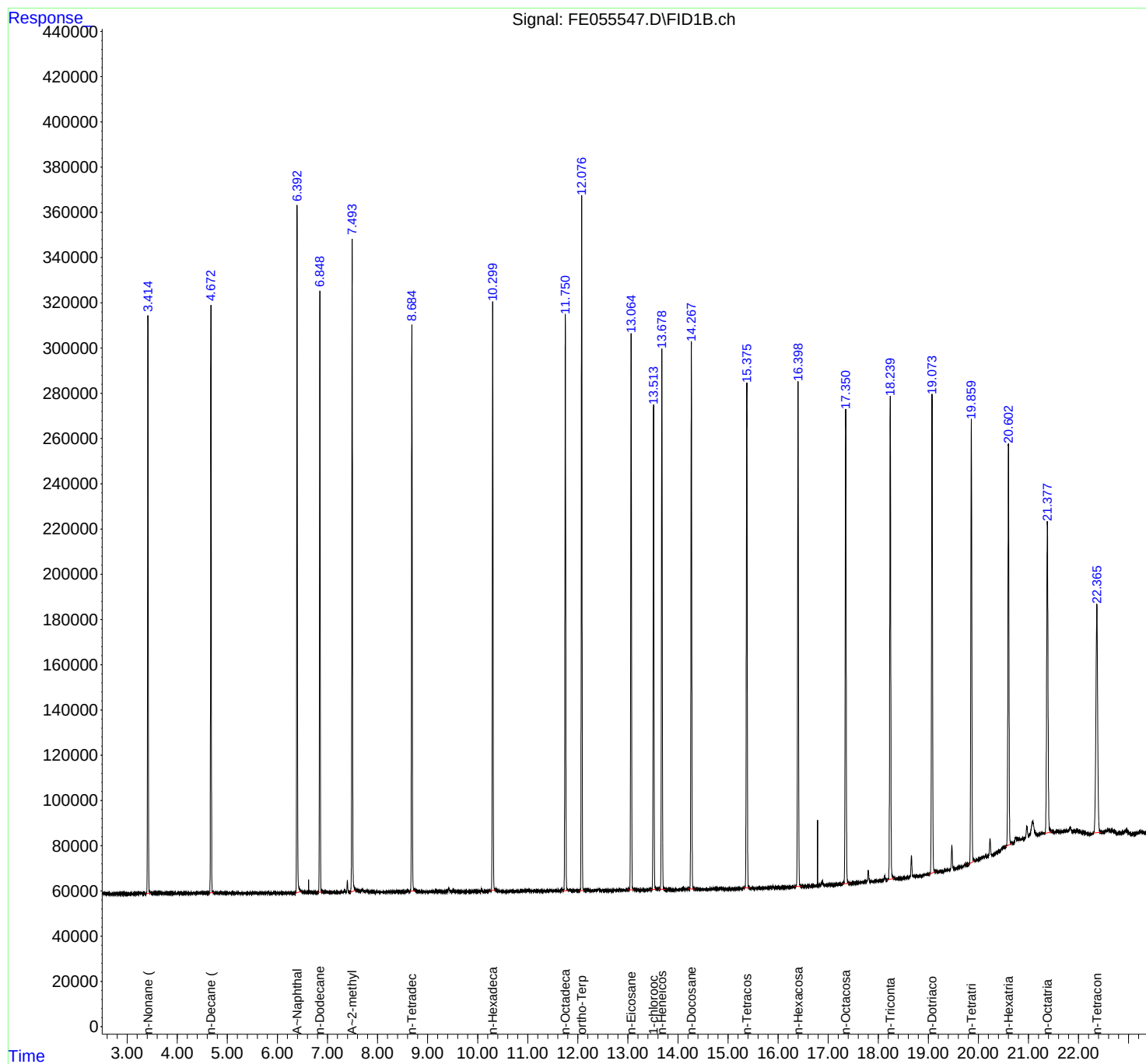
(f)=RT Delta > 1/2 Window

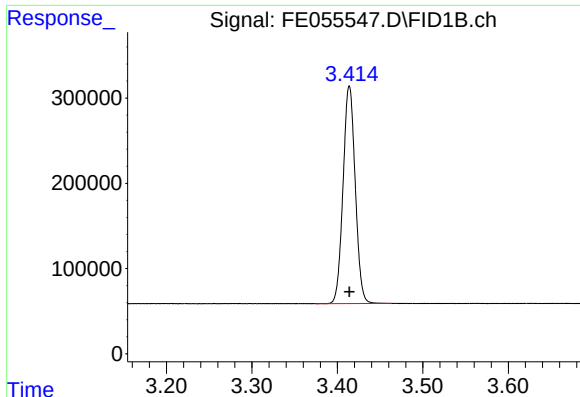
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082925AL\
Data File : FE055547.D
Signal(s) : FID1B.ch
Acq On : 28 Aug 2025 10:34
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 29 08:05:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:03:47 2025
Response via : Initial Calibration
Integrator: ChemStation

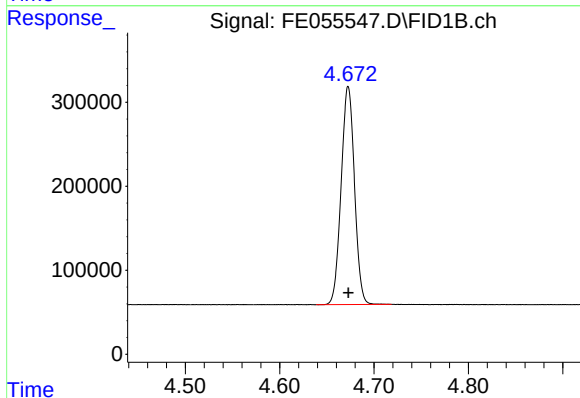
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





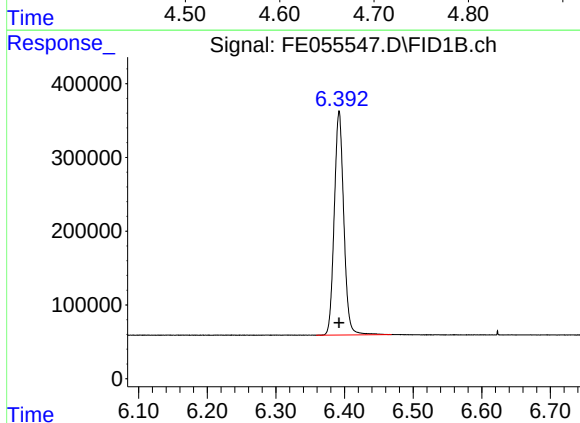
#1 n-Nonane (C9)

R.T.: 3.414 min
Delta R.T.: 0.000 min
Response: 2530579
Conc: 20.00 ug/ml



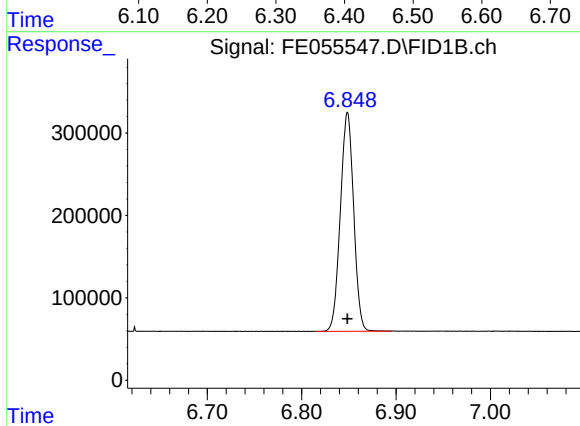
#2 n-Decane (C10)

R.T.: 4.673 min
Delta R.T.: 0.000 min
Response: 2551497
Conc: 20.00 ug/ml



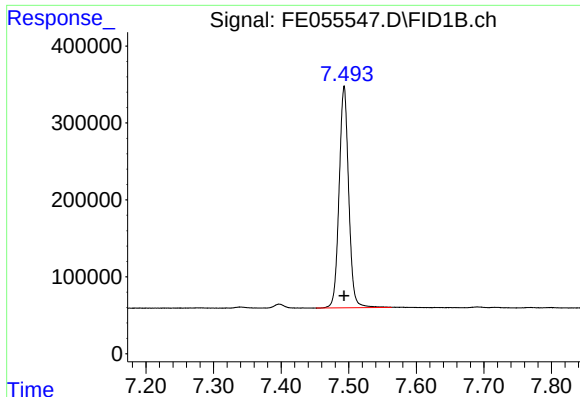
#3 A~Naphthalene (C11.7)

R.T.: 6.392 min
Delta R.T.: 0.000 min
Response: 2925404
Conc: 20.00 ug/ml



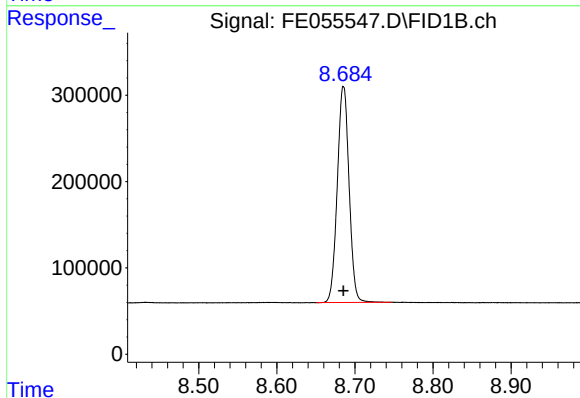
#4 n-Dodecane (C12)

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 2601682
Conc: 20.00 ug/ml



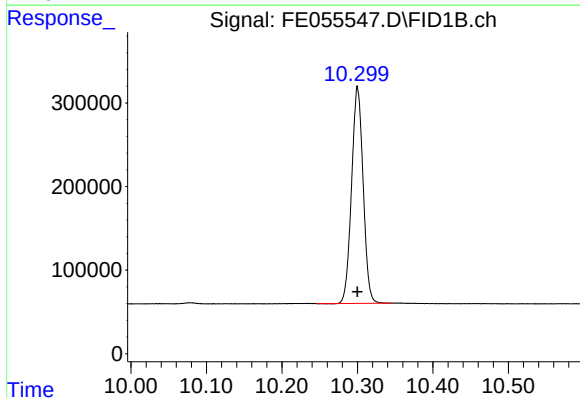
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 2831487
Conc: 20.00 ug/ml



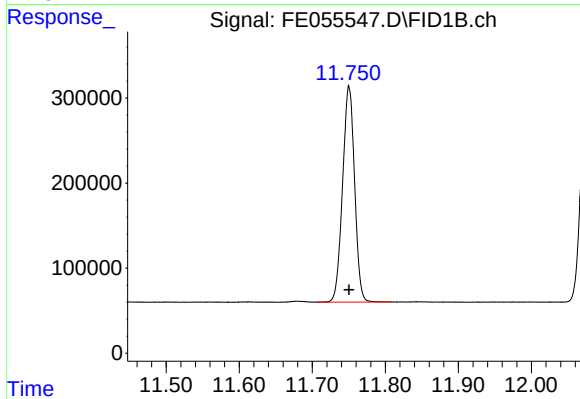
#6 n-Tetradecane (C14)

R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 2624050
Conc: 20.00 ug/ml



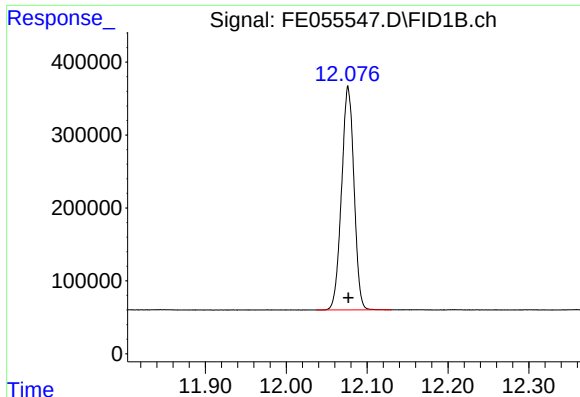
#7 n-Hexadecane (C16)

R.T.: 10.300 min
Delta R.T.: 0.000 min
Response: 2753193
Conc: 20.00 ug/ml



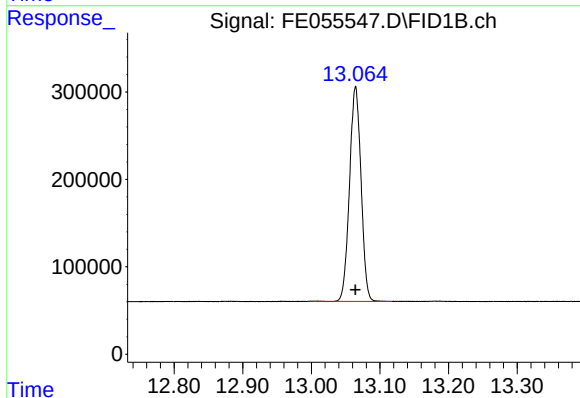
#8 n-Octadecane (C18)

R.T.: 11.750 min
Delta R.T.: 0.000 min
Response: 2904925
Conc: 20.00 ug/ml



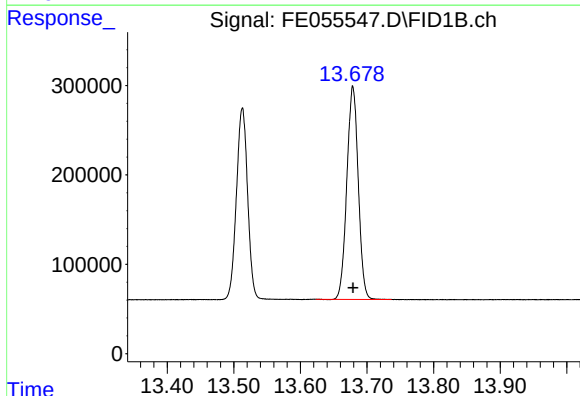
#9 ortho-Terphenyl (SURR)

R.T.: 12.077 min
Delta R.T.: 0.000 min
Response: 3277094
Conc: 20.00 ug/ml



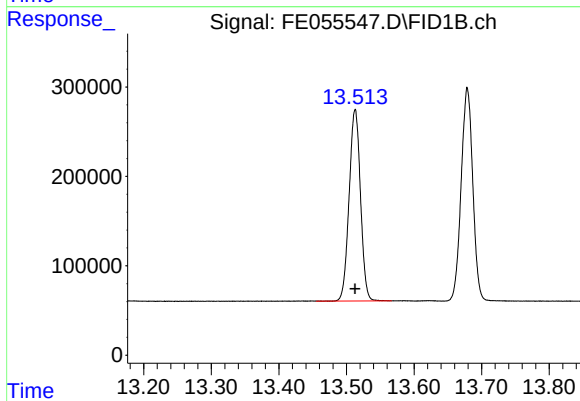
#10 n-Eicosane (C20)

R.T.: 13.064 min
Delta R.T.: 0.000 min
Response: 2864643
Conc: 20.00 ug/ml



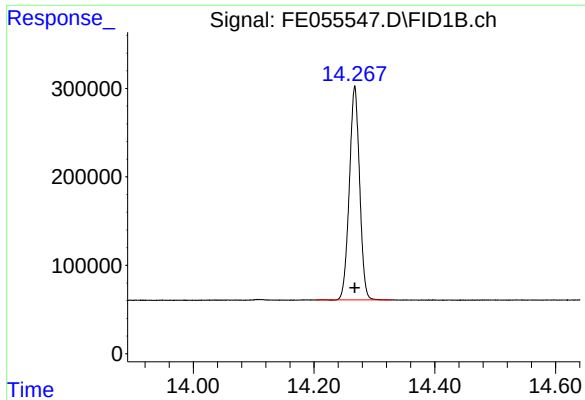
#11 n-Heneicosane (C21)

R.T.: 13.679 min
Delta R.T.: 0.000 min
Response: 2846445
Conc: 20.00 ug/ml



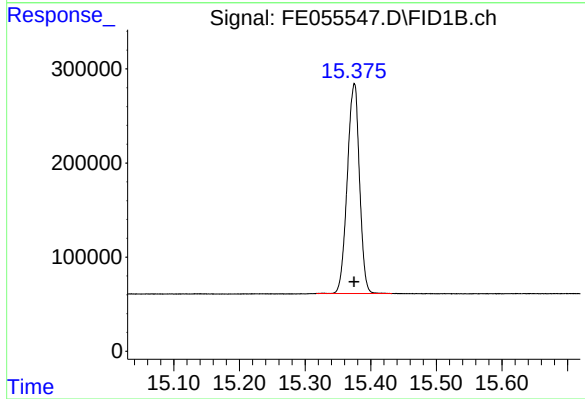
#12 1-chlorooctadecane (SURR)

R.T.: 13.513 min
Delta R.T.: 0.000 min
Response: 2498820
Conc: 20.00 ug/ml



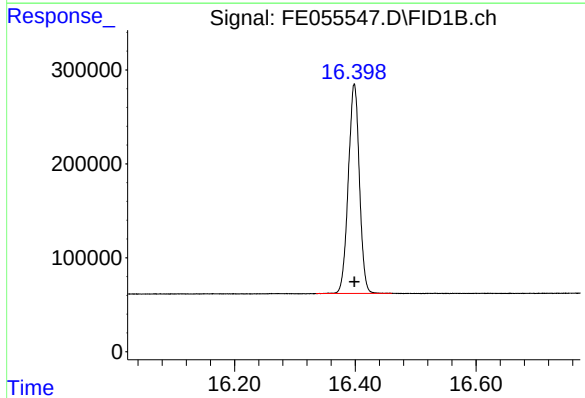
#13 n-Docosane (C22)

R.T.: 14.267 min
Delta R.T.: 0.000 min
Response: 2853950
Conc: 20.00 ug/ml



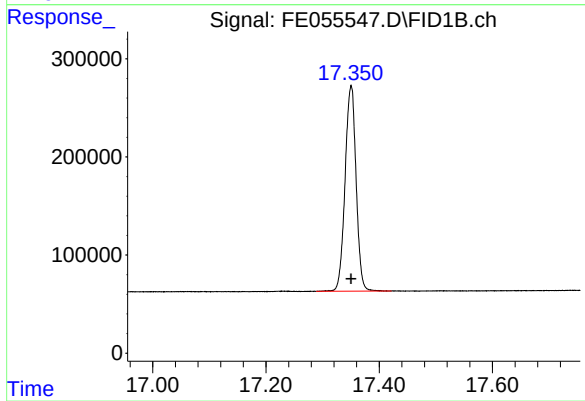
#14 n-Tetracosane (C24)

R.T.: 15.375 min
Delta R.T.: 0.000 min
Response: 2887260
Conc: 20.00 ug/ml



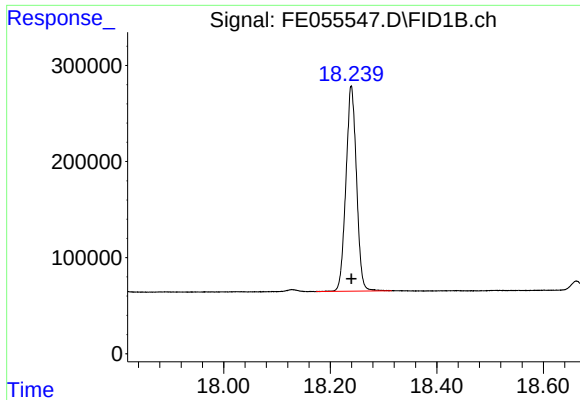
#15 n-Hexacosane (C26)

R.T.: 16.398 min
Delta R.T.: 0.000 min
Response: 2849191
Conc: 20.00 ug/ml



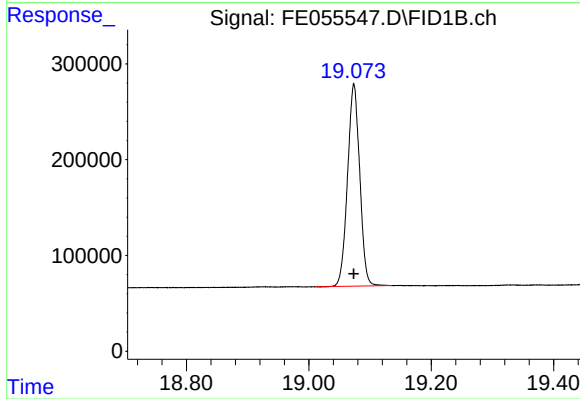
#16 n-Octacosane (C28)

R.T.: 17.350 min
Delta R.T.: 0.000 min
Response: 2827205
Conc: 20.00 ug/ml



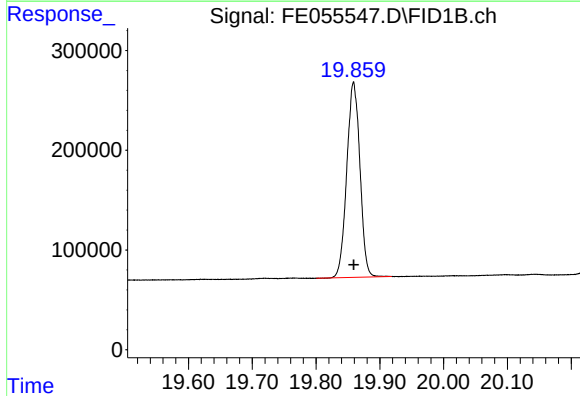
#17 n-Tricontane (C30)

R.T.: 18.240 min
Delta R.T.: 0.000 min
Response: 2934030
Conc: 20.00 ug/ml



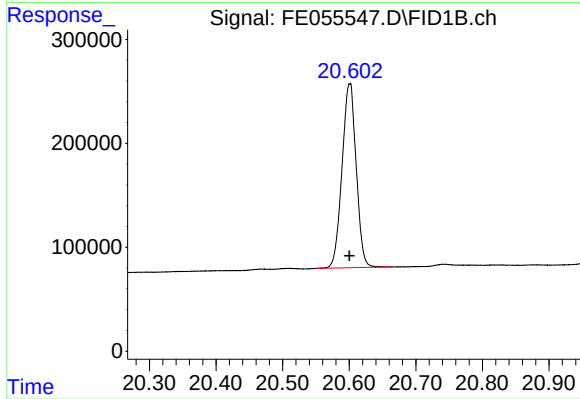
#18 n-Dotriacontane (C32)

R.T.: 19.074 min
Delta R.T.: 0.000 min
Response: 2920846
Conc: 20.00 ug/ml



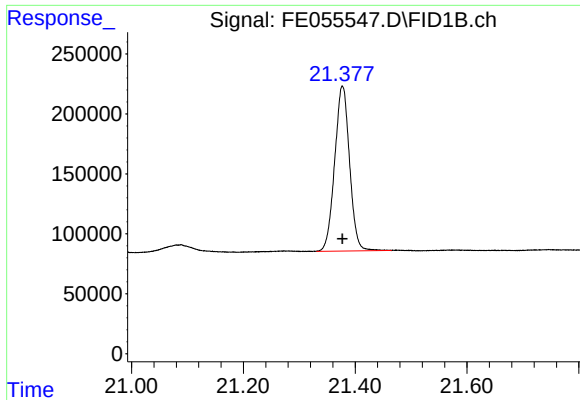
#19 n-Tetratriacontane (C34)

R.T.: 19.859 min
Delta R.T.: 0.000 min
Response: 2809431
Conc: 20.00 ug/ml



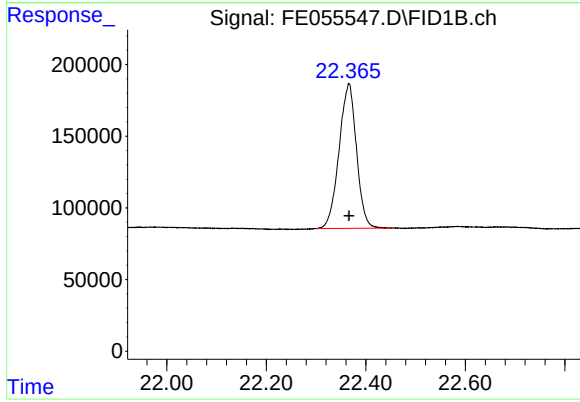
#20 n-Hexatriacontane (C36)

R.T.: 20.601 min
Delta R.T.: 0.000 min
Response: 2620265
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.377 min
Delta R.T.: 0.000 min
Response: 2539543
Conc: 20.00 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.366 min
Delta R.T.: 0.000 min
Response: 2453185
Conc: 20.00 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082925AL\
 Data File : FE055547.D
 Signal(s) : FID1B.ch
 Acq On : 28 Aug 2025 10:34
 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 082925.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	3.375	3.464	BB	255465	2530579	77.22%	4.155%
2	4.673	4.639	4.719	BB	260252	2551497	77.86%	4.189%
3	6.392	6.359	6.469	BB	303022	2925404	89.27%	4.803%
4	6.849	6.815	6.895	BB	266425	2601682	79.39%	4.272%
5	7.493	7.452	7.564	BB	289142	2831487	86.40%	4.649%
6	8.685	8.650	8.747	BB	250558	2624050	80.07%	4.308%
7	10.300	10.245	10.345	BB	258692	2753193	84.01%	4.520%
8	11.750	11.705	11.809	BB	253983	2904925	88.64%	4.770%
9	12.077	12.037	12.130	BB	304941	3277094	100.00%	5.381%
10	13.064	13.007	13.117	BB	246936	2864643	87.41%	4.703%
11	13.513	13.455	13.567	BB	215156	2498820	76.25%	4.103%
12	13.679	13.624	13.737	BB	238940	2846445	86.86%	4.674%
13	14.267	14.204	14.329	BB	240835	2853950	87.09%	4.686%
14	15.375	15.317	15.432	BB	223855	2887260	88.10%	4.741%
15	16.398	16.335	16.460	BB	223081	2849191	86.94%	4.678%
16	17.350	17.289	17.422	BB	209651	2827205	86.27%	4.642%
17	18.240	18.174	18.315	BB	213168	2934030	89.53%	4.817%
18	19.074	19.012	19.135	BB	211575	2920846	89.13%	4.796%
19	19.859	19.800	19.919	BB	195432	2809431	85.73%	4.613%
20	20.601	20.550	20.664	BB	177486	2620265	79.96%	4.302%
21	21.377	21.330	21.465	BB	137550	2539543	77.49%	4.170%
22	22.366	22.300	22.452	BB	101248	2453185	74.86%	4.028%
Sum of corrected areas:						60904726		

Aliphatic EPH 082925.M Fri Aug 29 08:20:23 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082925AL\
 Data File : FE055548.D
 Signal(s) : FID1B.ch
 Acq On : 28 Aug 2025 11:04
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Aug 29 08:05:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 29 08:03:47 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)	12.075	1683791	10.276 ug/ml
Spiked Amount 50.000		Recovery =	20.55%
12) S 1-chlorooctadecane (S...	13.512	1275820	10.211 ug/ml
Spiked Amount 50.000		Recovery =	20.42%
Target Compounds			
1) T n-Nonane (C9)	3.414	1297407	10.254 ug/ml
2) T n-Decane (C10)	4.672	1304028	10.222 ug/ml
3) T A~Naphthalene (C11.7)	6.392	1470302	10.052 ug/ml
4) T n-Dodecane (C12)	6.848	1321327	10.157 ug/ml
5) T A~2-methylnaphthalene...	7.493	1415527	9.998 ug/ml
6) T n-Tetradecane (C14)	8.685	1343455	10.240 ug/ml
7) T n-Hexadecane (C16)	10.300	1408614	10.233 ug/ml
8) T n-Octadecane (C18)	11.749	1496127	10.301 ug/ml
10) T n-Eicosane (C20)	13.064	1475555	10.302 ug/ml
11) T n-Heneicosane (C21)	13.678	1469033	10.322 ug/ml
13) T n-Docosane (C22)	14.266	1474035	10.330 ug/ml
14) T n-Tetracosane (C24)	15.373	1491136	10.329 ug/ml
15) T n-Hexacosane (C26)	16.397	1473454	10.343 ug/ml
16) T n-Octacosane (C28)	17.349	1471739	10.411 ug/ml
17) T n-Tricontane (C30)	18.239	1533792	10.455 ug/ml
18) T n-Dotriacontane (C32)	19.073	1522069	10.422 ug/ml
19) T n-Tetratriacontane (C34)	19.859	1463167	10.416 ug/ml
20) T n-Hexatriacontane (C36)	20.600	1373755	10.486 ug/ml
21) T n-Octatriacontane (C38)	21.377	1388003	10.931 ug/ml
22) T n-Tetracontane (C40)	22.361	1365028	11.129 ug/ml

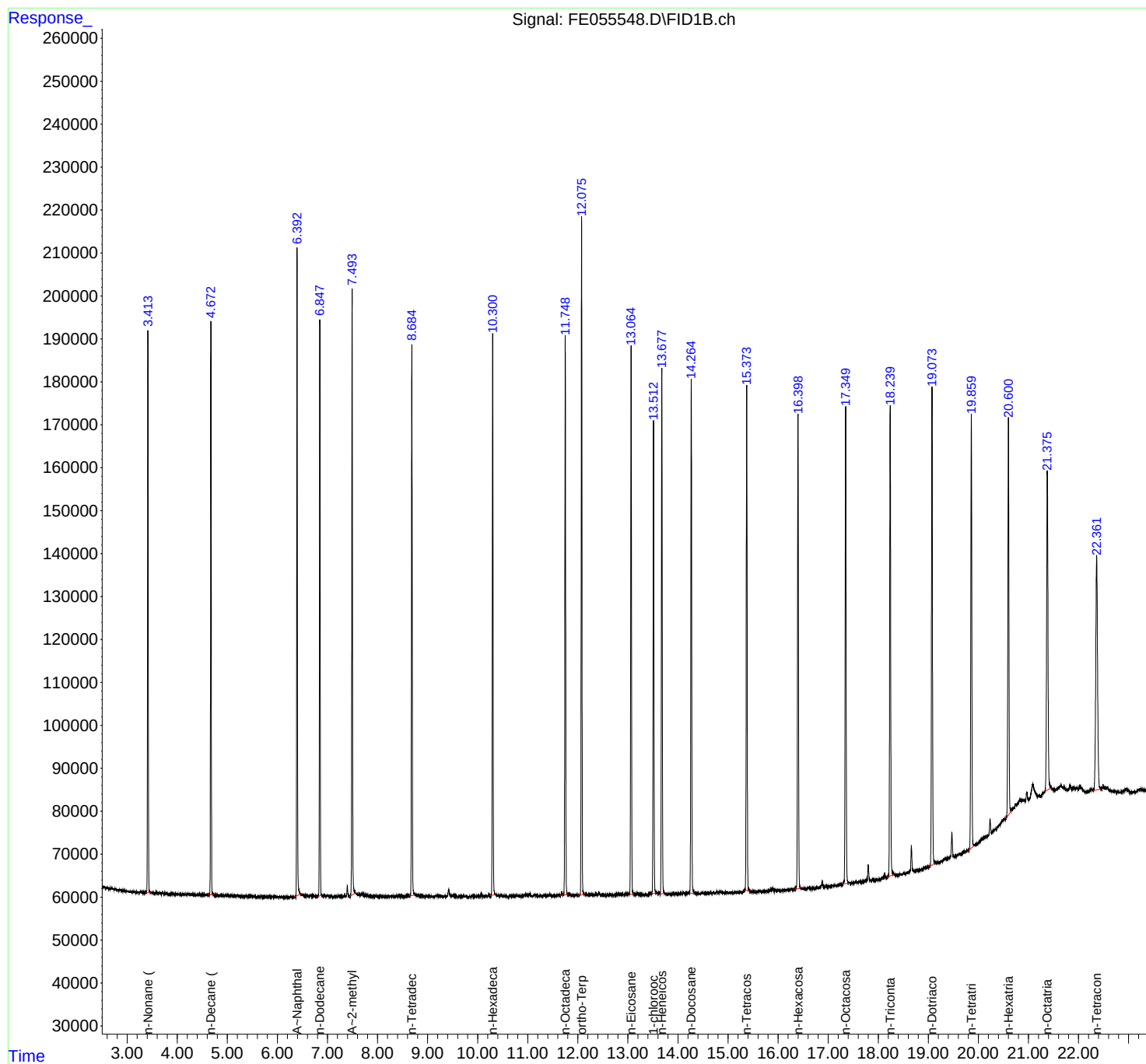
(f)=RT Delta > 1/2 Window

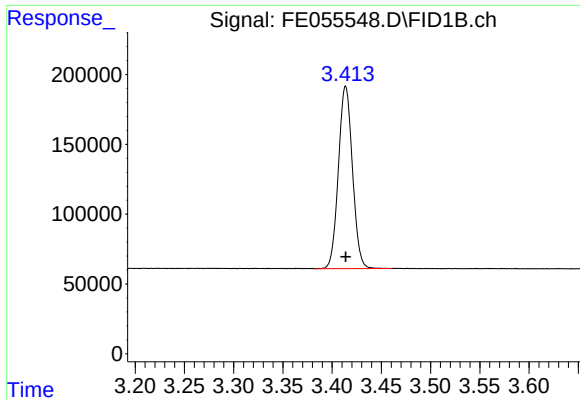
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082925AL\
Data File : FE055548.D
Signal(s) : FID1B.ch
Acq On : 28 Aug 2025 11:04
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 29 08:05:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:03:47 2025
Response via : Initial Calibration
Integrator: ChemStation

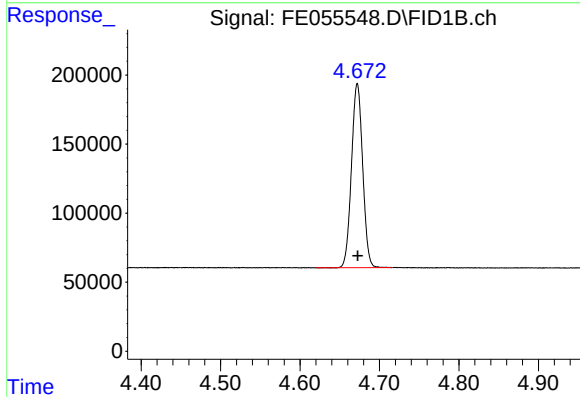
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





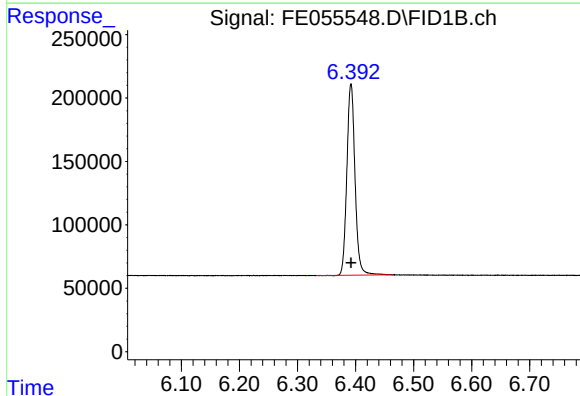
#1 n-Nonane (C9)

R.T.: 3.414 min
Delta R.T.: 0.000 min
Response: 1297407
Conc: 10.25 ug/ml



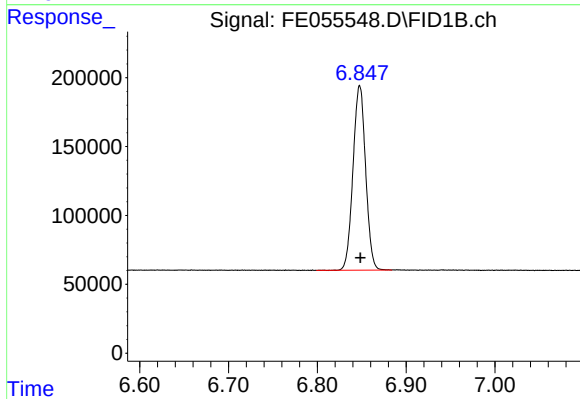
#2 n-Decane (C10)

R.T.: 4.672 min
Delta R.T.: 0.000 min
Response: 1304028
Conc: 10.22 ug/ml



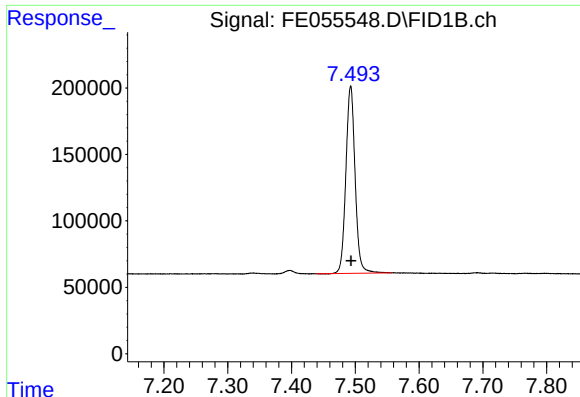
#3 A~Naphthalene (C11.7)

R.T.: 6.392 min
Delta R.T.: 0.000 min
Response: 1470302
Conc: 10.05 ug/ml



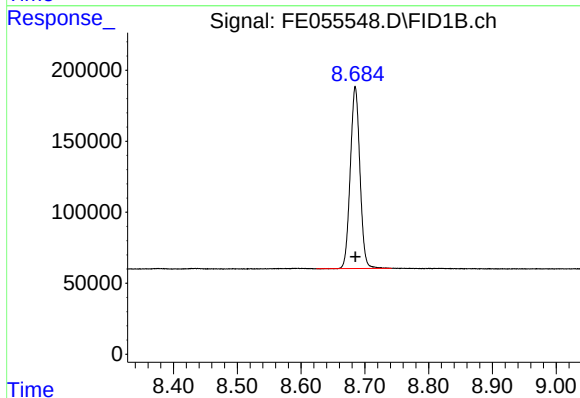
#4 n-Dodecane (C12)

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 1321327
Conc: 10.16 ug/ml



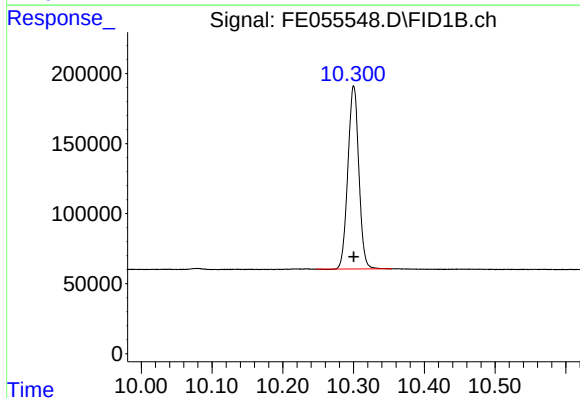
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 1415527
Conc: 10.00 ug/ml



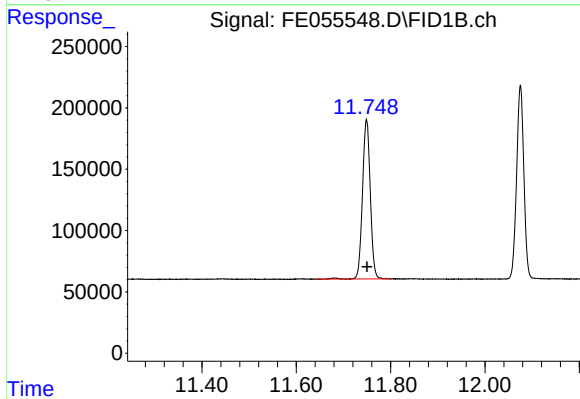
#6 n-Tetradecane (C14)

R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 1343455
Conc: 10.24 ug/ml



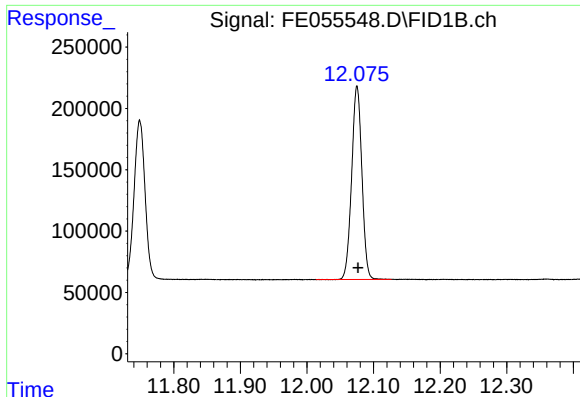
#7 n-Hexadecane (C16)

R.T.: 10.300 min
Delta R.T.: 0.000 min
Response: 1408614
Conc: 10.23 ug/ml



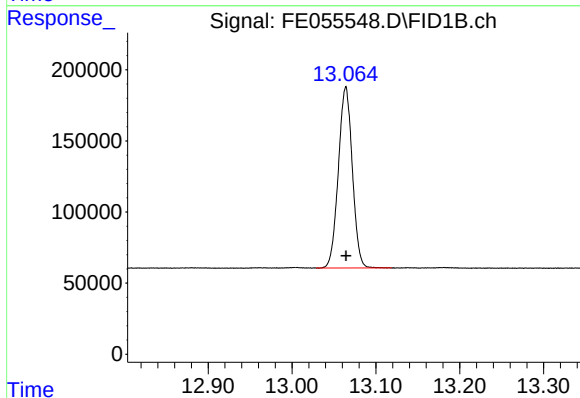
#8 n-Octadecane (C18)

R.T.: 11.749 min
Delta R.T.: -0.001 min
Response: 1496127
Conc: 10.30 ug/ml



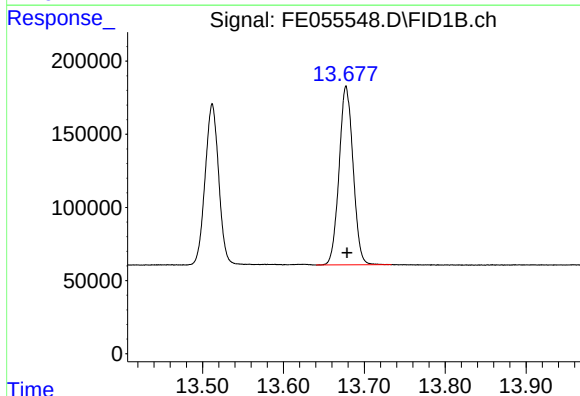
#9 ortho-Terphenyl (SURR)

R.T.: 12.075 min
Delta R.T.: -0.001 min
Response: 1683791
Conc: 10.28 ug/ml



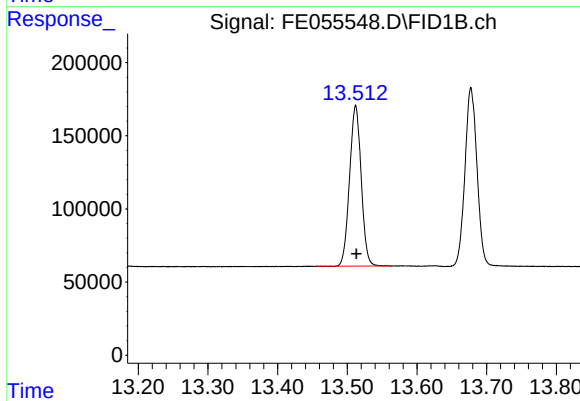
#10 n-Eicosane (C20)

R.T.: 13.064 min
Delta R.T.: 0.000 min
Response: 1475555
Conc: 10.30 ug/ml



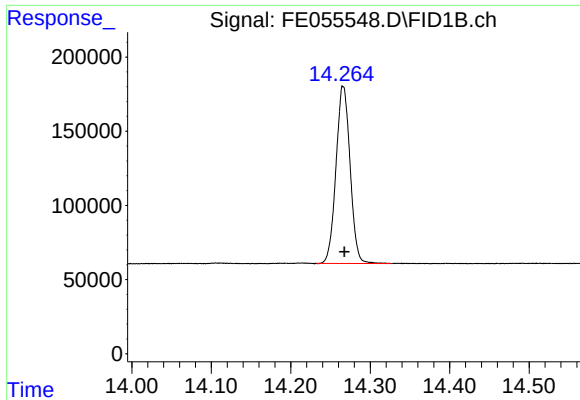
#11 n-Heneicosane (C21)

R.T.: 13.678 min
Delta R.T.: -0.001 min
Response: 1469033
Conc: 10.32 ug/ml



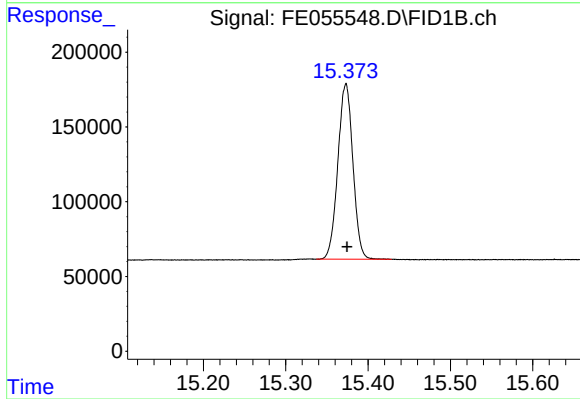
#12 1-chlorooctadecane (SURR)

R.T.: 13.512 min
Delta R.T.: 0.000 min
Response: 1275820
Conc: 10.21 ug/ml



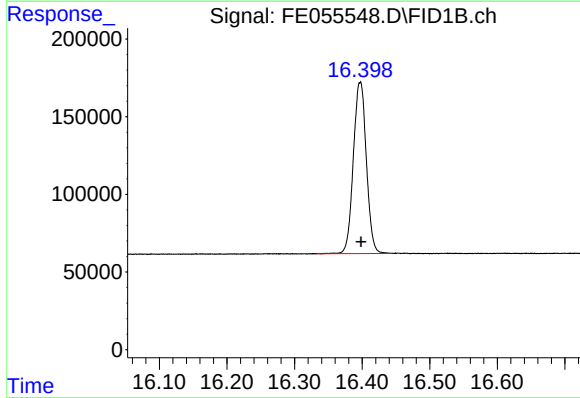
#13 n-Docosane (C22)

R.T.: 14.266 min
Delta R.T.: -0.001 min
Response: 1474035
Conc: 10.33 ug/ml



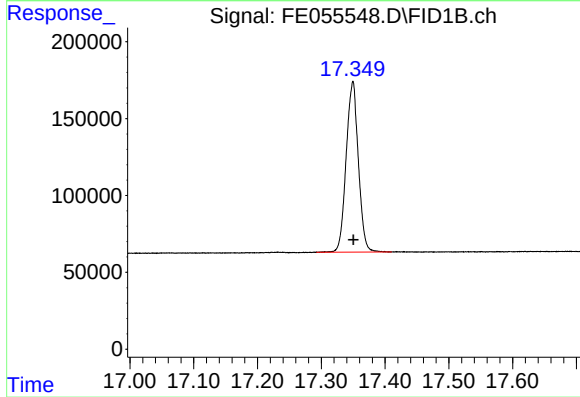
#14 n-Tetracosane (C24)

R.T.: 15.373 min
Delta R.T.: -0.002 min
Response: 1491136
Conc: 10.33 ug/ml



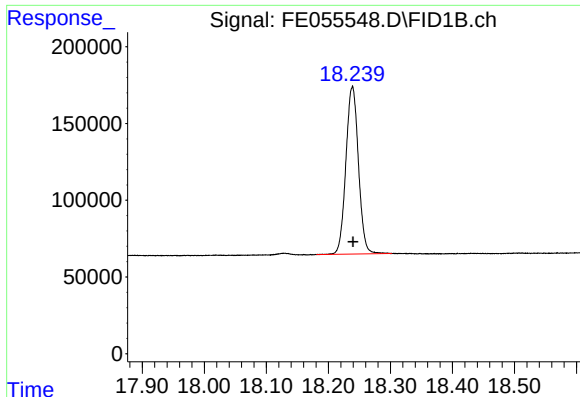
#15 n-Hexacosane (C26)

R.T.: 16.397 min
Delta R.T.: -0.001 min
Response: 1473454
Conc: 10.34 ug/ml



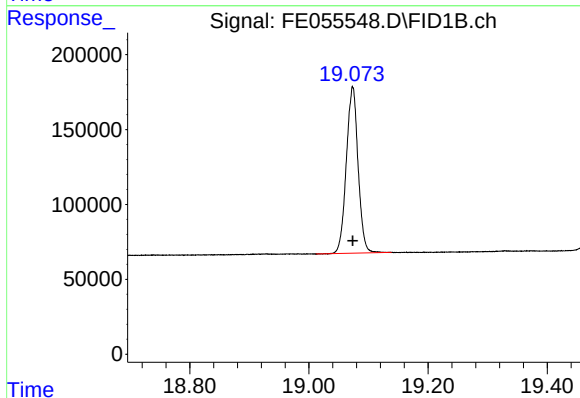
#16 n-Octacosane (C28)

R.T.: 17.349 min
Delta R.T.: -0.001 min
Response: 1471739
Conc: 10.41 ug/ml



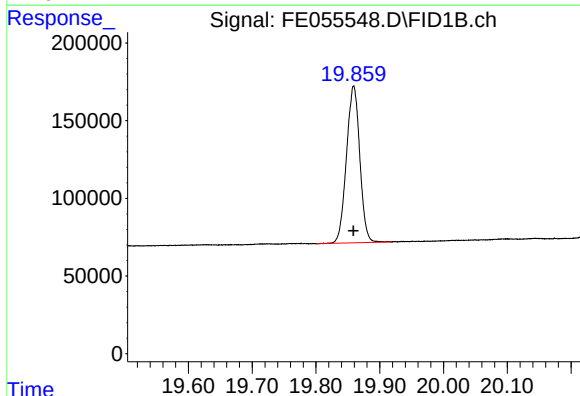
#17 n-Tricontane (C30)

R.T.: 18.239 min
Delta R.T.: 0.000 min
Response: 1533792
Conc: 10.46 ug/ml



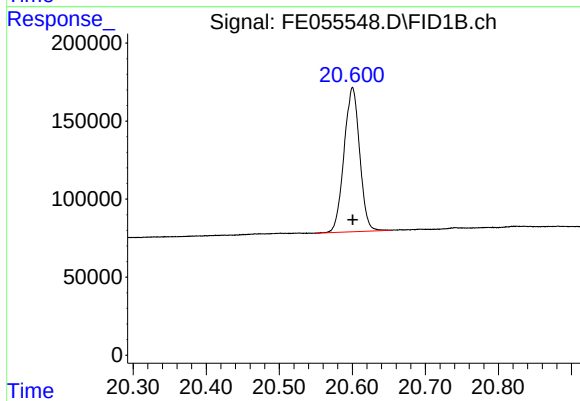
#18 n-Dotriacontane (C32)

R.T.: 19.073 min
Delta R.T.: 0.000 min
Response: 1522069
Conc: 10.42 ug/ml



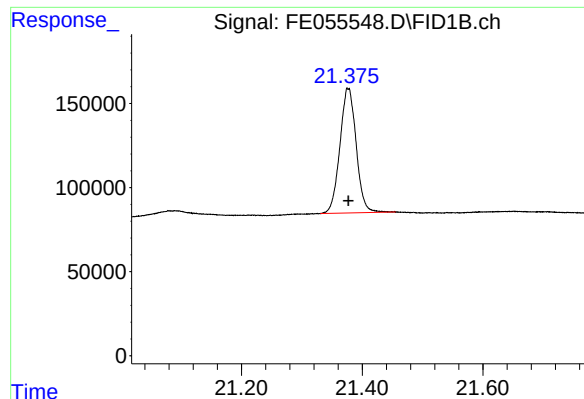
#19 n-Tetratriacontane (C34)

R.T.: 19.859 min
Delta R.T.: 0.000 min
Response: 1463167
Conc: 10.42 ug/ml



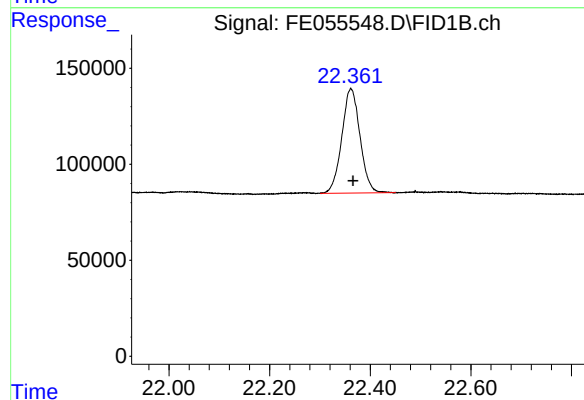
#20 n-Hexatriacontane (C36)

R.T.: 20.600 min
Delta R.T.: 0.000 min
Response: 1373755
Conc: 10.49 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.377 min
Delta R.T.: 0.000 min
Response: 1388003
Conc: 10.93 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.361 min
Delta R.T.: -0.004 min
Response: 1365028
Conc: 11.13 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082925AL\
 Data File : FE055548.D
 Signal(s) : FID1B.ch
 Acq On : 28 Aug 2025 11:04
 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 082925.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	3.384	3.460	BB	130798	1297407	77.05%	4.117%
2	4.672	4.620	4.715	BB	133425	1304028	77.45%	4.138%
3	6.392	6.332	6.462	BB	150789	1470302	87.32%	4.665%
4	6.848	6.799	6.884	BB	134252	1321327	78.47%	4.192%
5	7.493	7.439	7.557	BB	140806	1415527	84.07%	4.491%
6	8.685	8.624	8.742	BB	128024	1343455	79.79%	4.263%
7	10.300	10.247	10.354	BB	130902	1408614	83.66%	4.469%
8	11.749	11.642	11.802	BB	129971	1496127	88.85%	4.747%
9	12.075	12.014	12.127	BB	157783	1683791	100.00%	5.342%
10	13.064	13.029	13.119	BB	127073	1475555	87.63%	4.682%
11	13.512	13.455	13.564	BB	110048	1275820	75.77%	4.048%
12	13.678	13.640	13.734	BB	121902	1469033	87.25%	4.661%
13	14.266	14.232	14.327	BB	119744	1474035	87.54%	4.677%
14	15.373	15.337	15.429	BB	117960	1491136	88.56%	4.731%
15	16.397	16.332	16.444	BB	109997	1473454	87.51%	4.675%
16	17.349	17.292	17.410	BB	110557	1471739	87.41%	4.670%
17	18.239	18.180	18.302	BB	109085	1533792	91.09%	4.867%
18	19.073	19.012	19.139	BB	111079	1522069	90.40%	4.829%
19	19.859	19.800	19.919	BB	100910	1463167	86.90%	4.642%
20	20.600	20.550	20.654	BB	92570	1373755	81.59%	4.359%
21	21.377	21.330	21.455	BB	73527	1388003	82.43%	4.404%
22	22.361	22.300	22.450	BB	54391	1365028	81.07%	4.331%
Sum of corrected areas:							31517164	

Aliphatic EPH 082925.M Fri Aug 29 08:20:39 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082925AL\
 Data File : FE055549.D
 Signal(s) : FID1B.ch
 Acq On : 28 Aug 2025 11:35
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Aug 29 08:06:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 29 08:03:47 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)	12.075	886867	5.413 ug/ml
Spiked Amount 50.000		Recovery =	10.83%
12) S 1-chlorooctadecane (S...	13.512	664532	5.319 ug/ml
Spiked Amount 50.000		Recovery =	10.64%
Target Compounds			
1) T n-Nonane (C9)	3.414	682963	5.398 ug/ml
2) T n-Decane (C10)	4.672	684967	5.369 ug/ml
3) T A~Naphthalene (C11.7)	6.393	756034	5.169 ug/ml
4) T n-Dodecane (C12)	6.848	694116	5.336 ug/ml
5) T A~2-methylnaphthalene...	7.493	725045	5.121 ug/ml
6) T n-Tetradecane (C14)	8.685	706684	5.386 ug/ml
7) T n-Hexadecane (C16)	10.300	740047	5.376 ug/ml
8) T n-Octadecane (C18)	11.747	784075	5.398 ug/mlm
10) T n-Eicosane (C20)	13.063	774768	5.409 ug/ml
11) T n-Heneicosane (C21)	13.678	763149	5.362 ug/ml
13) T n-Docosane (C22)	14.267	764471	5.357 ug/ml
14) T n-Tetracosane (C24)	15.372	780260	5.405 ug/ml
15) T n-Hexacosane (C26)	16.397	772166	5.420 ug/ml
16) T n-Octacosane (C28)	17.349	781247	5.527 ug/ml
17) T n-Tricontane (C30)	18.239	832675	5.676 ug/ml
18) T n-Dotriacontane (C32)	19.073	833273	5.706 ug/ml
19) T n-Tetratriacontane (C34)	19.859	790611	5.628 ug/ml
20) T n-Hexatriacontane (C36)	20.600	718429	5.484 ug/ml
21) T n-Octatriacontane (C38)	21.377	710550	5.596 ug/ml
22) T n-Tetracontane (C40)	22.366	716186	5.839 ug/ml

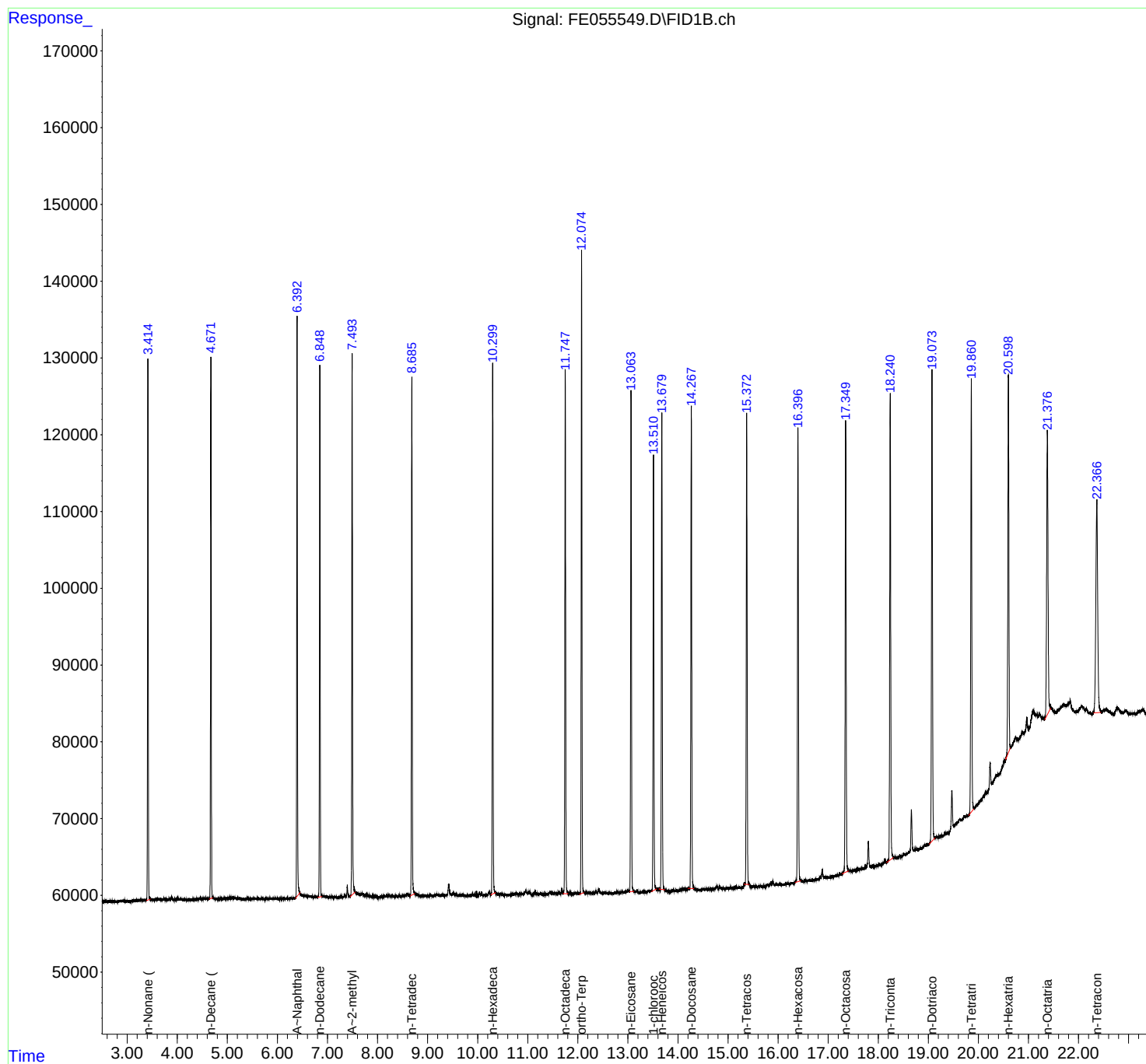
(f)=RT Delta > 1/2 Window

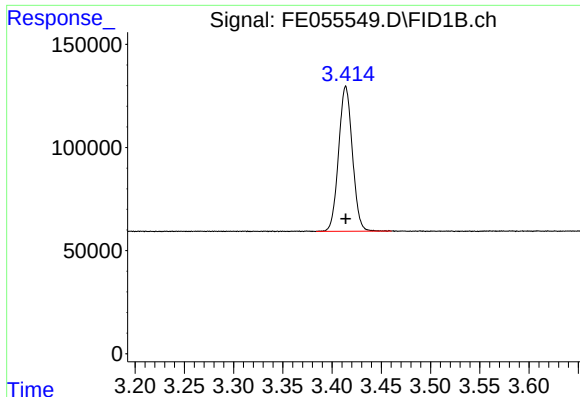
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082925AL\
Data File : FE055549.D
Signal(s) : FID1B.ch
Acq On : 28 Aug 2025 11:35
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 29 08:06:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:03:47 2025
Response via : Initial Calibration
Integrator: ChemStation

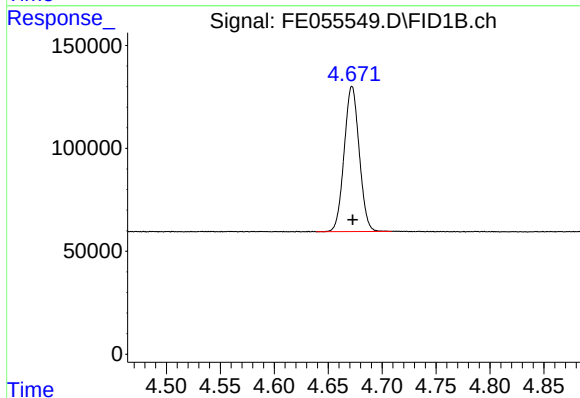
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





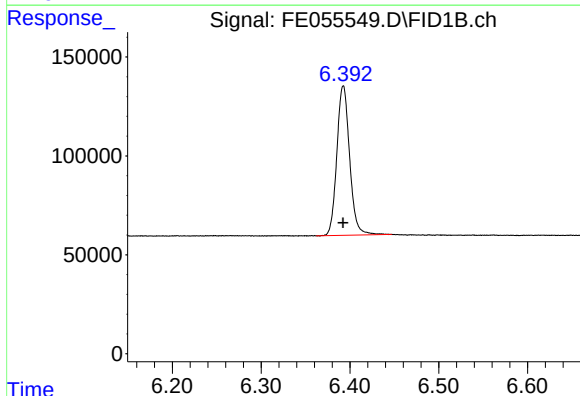
#1 n-Nonane (C9)

R.T.: 3.414 min
Delta R.T.: 0.000 min
Response: 682963
Conc: 5.40 ug/ml



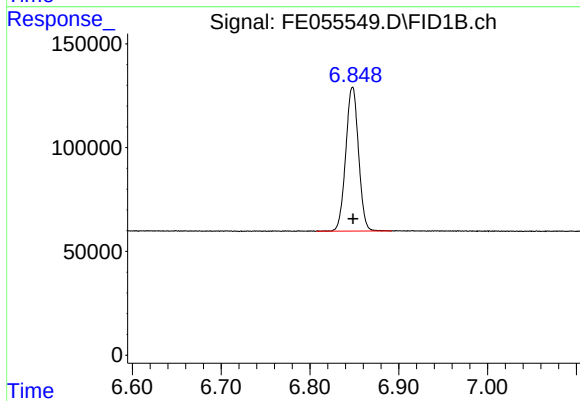
#2 n-Decane (C10)

R.T.: 4.672 min
Delta R.T.: 0.000 min
Response: 684967
Conc: 5.37 ug/ml



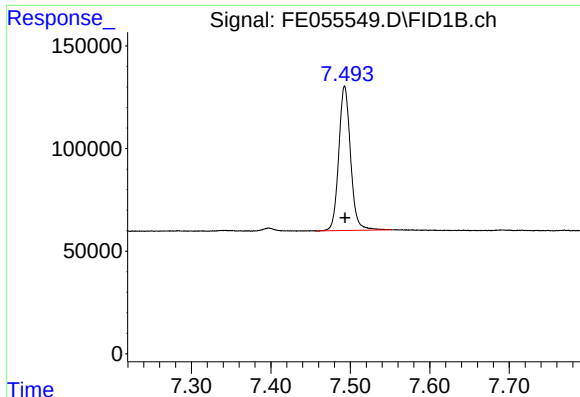
#3 A~Naphthalene (C11.7)

R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 756034
Conc: 5.17 ug/ml



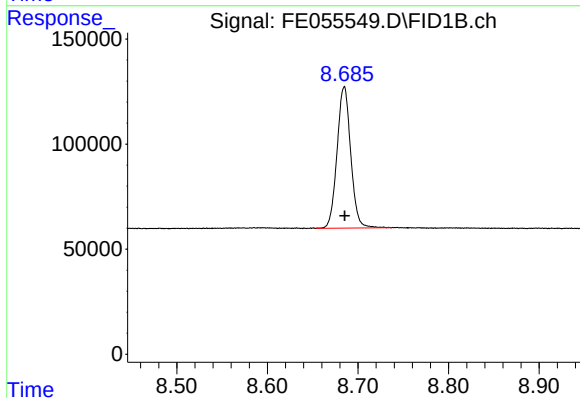
#4 n-Dodecane (C12)

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 694116
Conc: 5.34 ug/ml



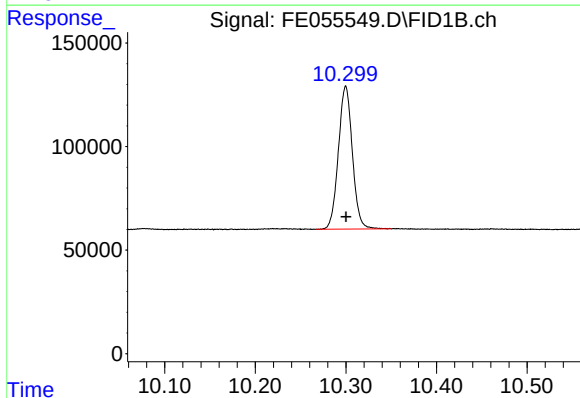
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 725045
Conc: 5.12 ug/ml



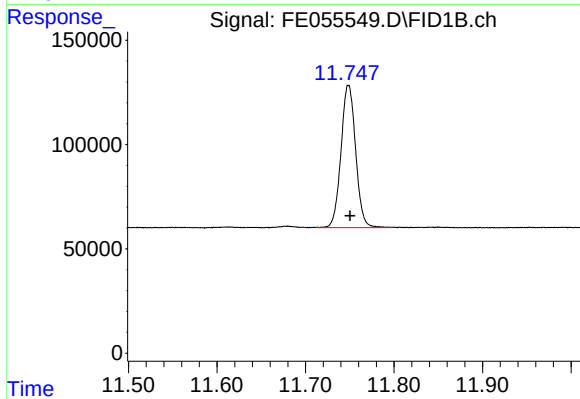
#6 n-Tetradecane (C14)

R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 706684
Conc: 5.39 ug/ml



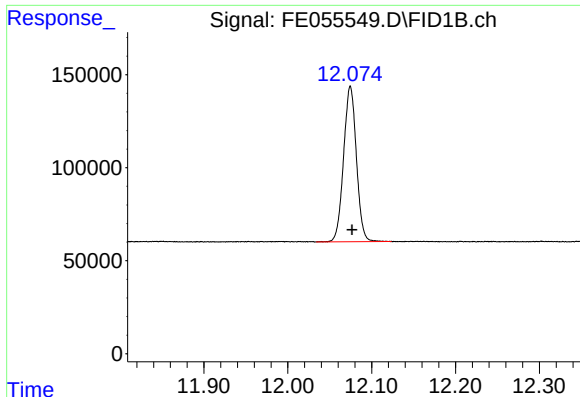
#7 n-Hexadecane (C16)

R.T.: 10.300 min
Delta R.T.: 0.000 min
Response: 740047
Conc: 5.38 ug/ml



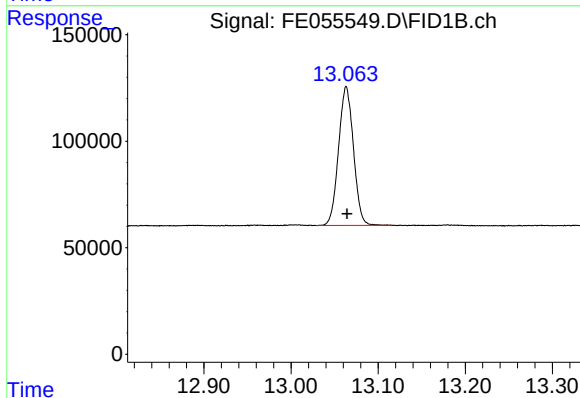
#8 n-Octadecane (C18)

R.T.: 11.747 min
Delta R.T.: -0.003 min
Response: 784075
Conc: 5.40 ug/ml m



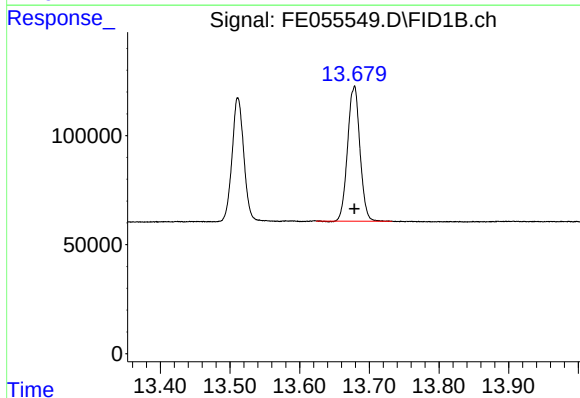
#9 ortho-Terphenyl (SURR)

R.T.: 12.075 min
Delta R.T.: -0.002 min
Response: 886867
Conc: 5.41 ug/ml



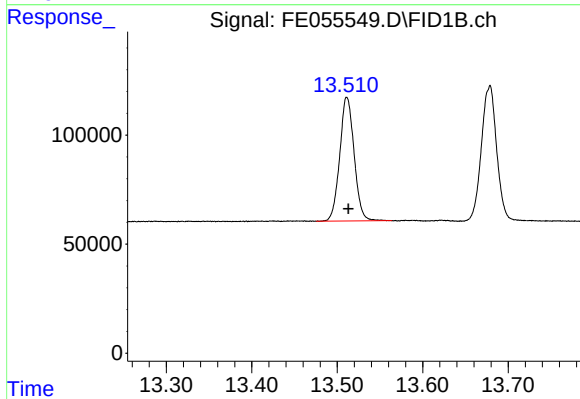
#10 n-Eicosane (C20)

R.T.: 13.063 min
Delta R.T.: 0.000 min
Response: 774768
Conc: 5.41 ug/ml



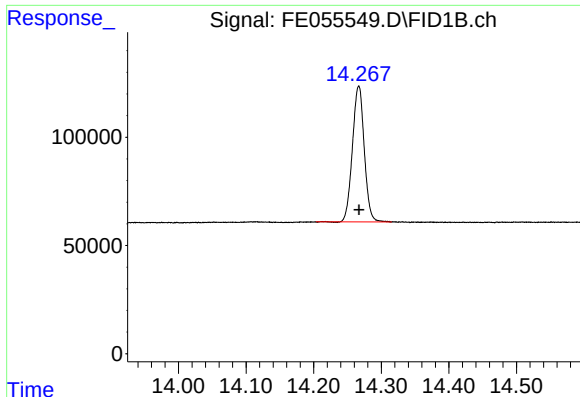
#11 n-Heneicosane (C21)

R.T.: 13.678 min
Delta R.T.: 0.000 min
Response: 763149
Conc: 5.36 ug/ml



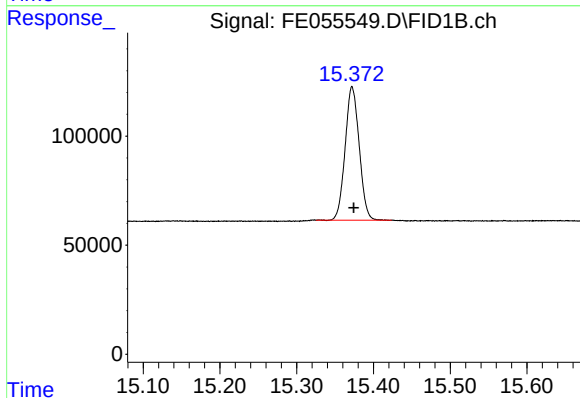
#12 1-chlorooctadecane (SURR)

R.T.: 13.512 min
Delta R.T.: -0.001 min
Response: 664532
Conc: 5.32 ug/ml



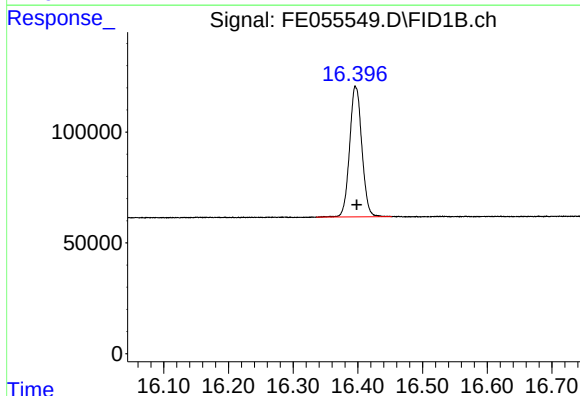
#13 n-Docosane (C22)

R.T.: 14.267 min
Delta R.T.: 0.000 min
Response: 764471
Conc: 5.36 ug/ml



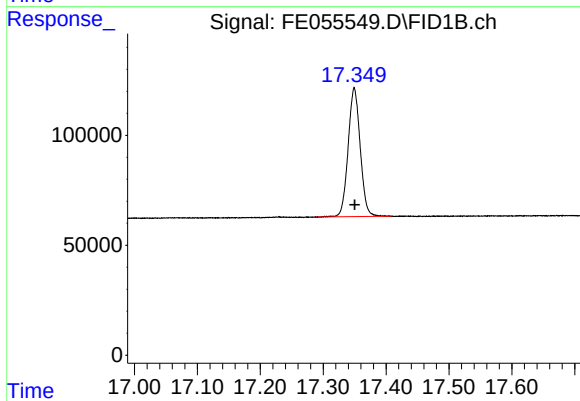
#14 n-Tetracosane (C24)

R.T.: 15.372 min
Delta R.T.: -0.002 min
Response: 780260
Conc: 5.40 ug/ml



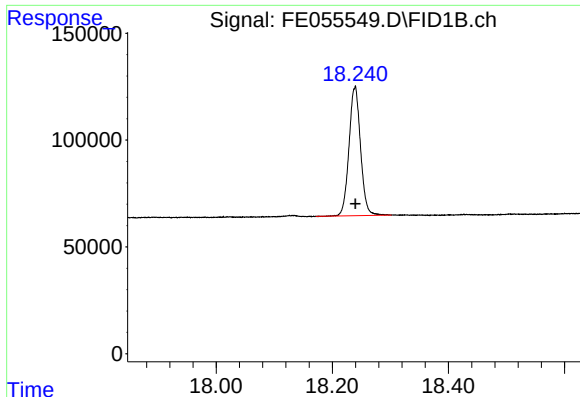
#15 n-Hexacosane (C26)

R.T.: 16.397 min
Delta R.T.: -0.002 min
Response: 772166
Conc: 5.42 ug/ml



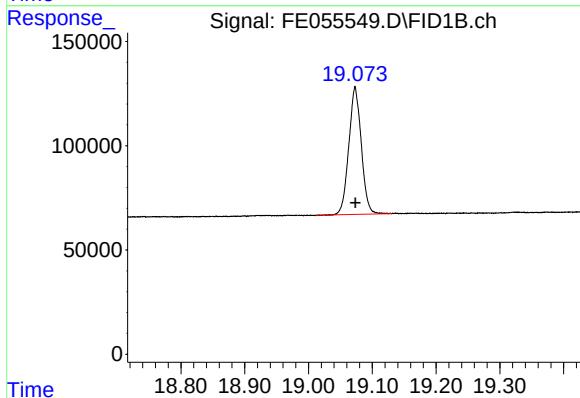
#16 n-Octacosane (C28)

R.T.: 17.349 min
Delta R.T.: 0.000 min
Response: 781247
Conc: 5.53 ug/ml



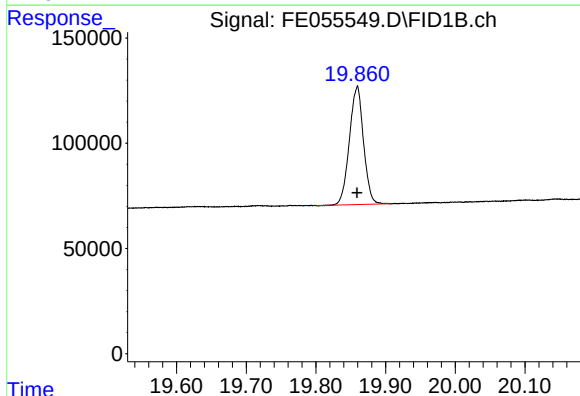
#17 n-Tricontane (C30)

R.T.: 18.239 min
Delta R.T.: 0.000 min
Response: 832675
Conc: 5.68 ug/ml



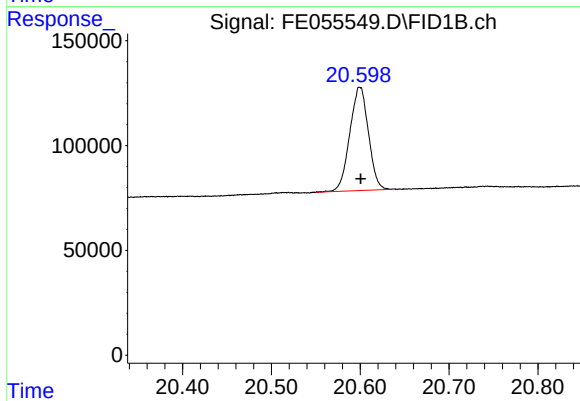
#18 n-Dotriacontane (C32)

R.T.: 19.073 min
Delta R.T.: 0.000 min
Response: 833273
Conc: 5.71 ug/ml



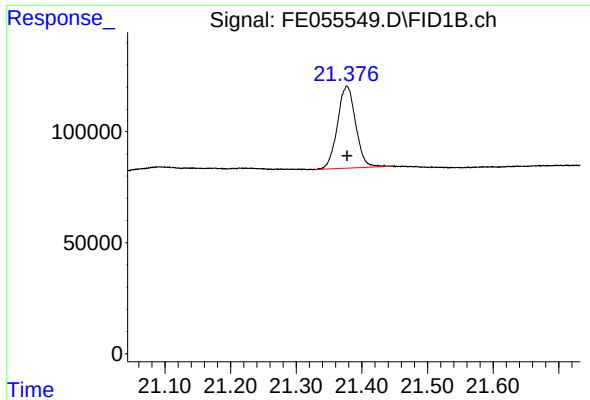
#19 n-Tetratriacontane (C34)

R.T.: 19.859 min
Delta R.T.: 0.000 min
Response: 790611
Conc: 5.63 ug/ml



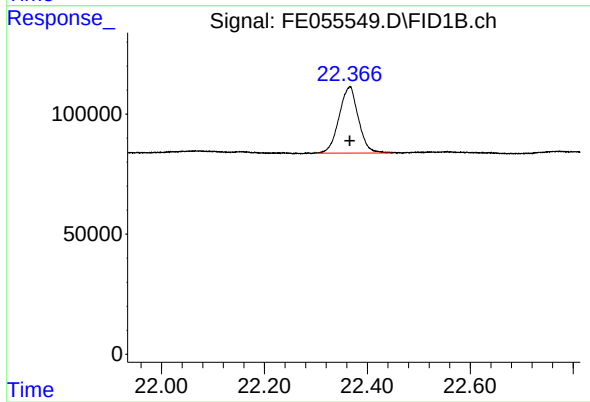
#20 n-Hexatriacontane (C36)

R.T.: 20.600 min
Delta R.T.: 0.000 min
Response: 718429
Conc: 5.48 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.377 min
Delta R.T.: 0.000 min
Response: 710550
Conc: 5.60 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.366 min
Delta R.T.: 0.000 min
Response: 716186
Conc: 5.84 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082925AL\
Data File : FE055549.D
Signal(s) : FID1B.ch
Acq On : 28 Aug 2025 11:35
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 082925.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	3.384	3.460	BB	70259	682963	77.01%	4.122%
2	4.672	4.639	4.709	BB	70608	684967	77.23%	4.134%
3	6.393	6.362	6.447	BB	75611	756034	85.25%	4.563%
4	6.848	6.807	6.892	BB	69651	694116	78.27%	4.190%
5	7.493	7.457	7.552	BB	70352	725045	81.75%	4.376%
6	8.685	8.654	8.737	BB	67688	706684	79.68%	4.266%
7	10.300	10.267	10.350	BB	69252	740047	83.45%	4.467%
8	11.749	11.650	11.795	BB	68020	788112	88.86%	4.757%
9	12.075	12.034	12.124	BB	83581	886867	100.00%	5.353%
10	13.063	13.029	13.115	BB	65247	774768	87.36%	4.677%
11	13.512	13.475	13.564	BB	56510	664532	74.93%	4.011%
12	13.678	13.624	13.732	BB	62212	763149	86.05%	4.606%
13	14.267	14.204	14.315	BB	62912	764471	86.20%	4.614%
14	15.372	15.325	15.424	BB	61236	780260	87.98%	4.710%
15	16.397	16.335	16.452	BB	58389	772166	87.07%	4.661%
16	17.349	17.289	17.409	BB	58577	781247	88.09%	4.716%
17	18.239	18.172	18.302	BB	59961	832675	93.89%	5.026%
18	19.073	19.012	19.130	BB	61228	833273	93.96%	5.030%
19	19.859	19.800	19.909	BB	55777	790611	89.15%	4.772%
20	20.600	20.550	20.635	BB	49396	718429	81.01%	4.336%
21	21.377	21.330	21.445	BB	37049	710550	80.12%	4.289%
22	22.366	22.300	22.447	BB	27611	716186	80.75%	4.323%
Sum of corrected areas:							16567149	

Aliphatic EPH 082925.M Fri Aug 29 08:20:52 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082925AL\
 Data File : FE055550.D
 Signal(s) : FID1B.ch
 Acq On : 28 Aug 2025 12:05
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Aug 29 08:12:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 29 08:12:09 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

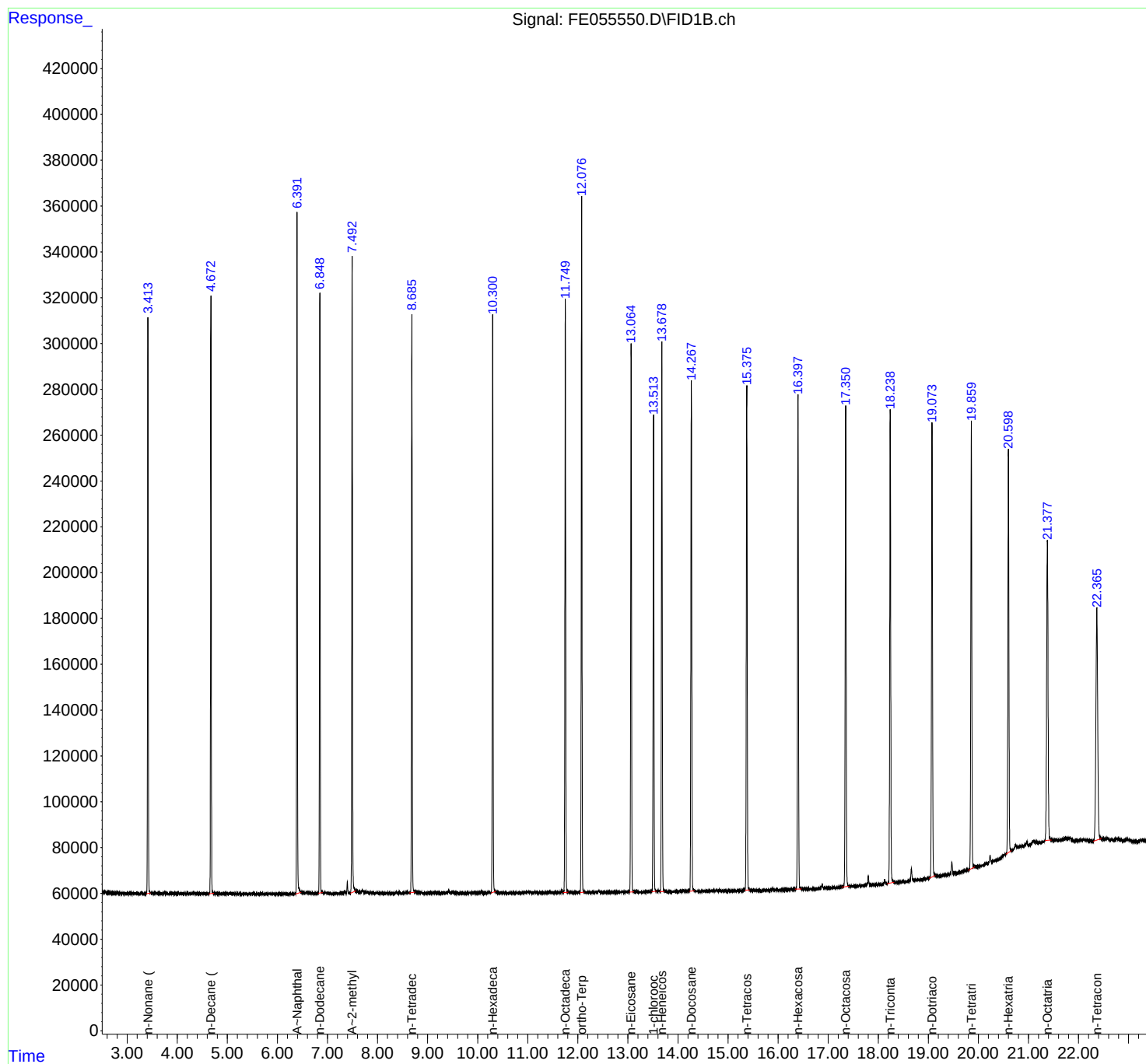
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.076	3229983	19.661 ug/ml
Spiked Amount 50.000		Recovery =	39.32%
12) S 1-chlorooctadecane (S...	13.513	2465273	19.715 ug/ml
Spiked Amount 50.000		Recovery =	39.43%
Target Compounds			
1) T n-Nonane (C9)	3.414	2507578	19.760 ug/ml
2) T n-Decane (C10)	4.672	2532591	19.771 ug/ml
3) T A~Naphthalene (C11.7)	6.392	2890578	19.895 ug/ml
4) T n-Dodecane (C12)	6.848	2567645	19.719 ug/ml
5) T A~2-methylnaphthalene...	7.493	2786377	19.811 ug/ml
6) T n-Tetradecane (C14)	8.685	2590138	19.668 ug/ml
7) T n-Hexadecane (C16)	10.300	2724449	19.672 ug/ml
8) T n-Octadecane (C18)	11.750	2861977	19.621 ug/ml
10) T n-Eicosane (C20)	13.065	2831312	19.669 ug/ml
11) T n-Heneicosane (C21)	13.679	2814220	19.701 ug/ml
13) T n-Docosane (C22)	14.267	2821284	19.709 ug/ml
14) T n-Tetracosane (C24)	15.374	2844427	19.658 ug/ml
15) T n-Hexacosane (C26)	16.398	2808359	19.658 ug/ml
16) T n-Octacosane (C28)	17.350	2785687	19.585 ug/ml
17) T n-Tricontane (C30)	18.239	2862102	19.362 ug/ml
18) T n-Dotriacontane (C32)	19.074	2802761	19.096 ug/ml
19) T n-Tetratriacontane (C34)	19.859	2710350	19.184 ug/ml
20) T n-Hexatriacontane (C36)	20.600	2544869	19.286 ug/ml
21) T n-Octatriacontane (C38)	21.378	2554442	19.613 ug/ml
22) T n-Tetracontane (C40)	22.365	2529947	19.728 ug/ml

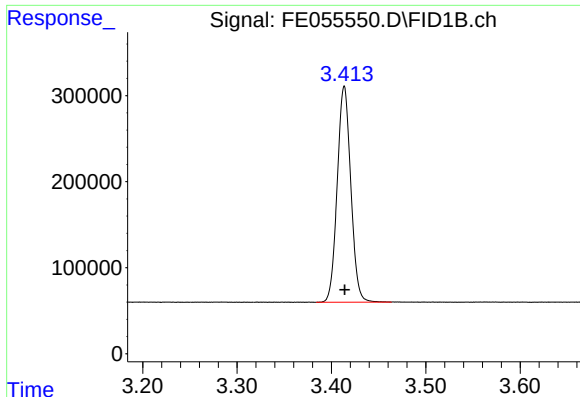
(f)=RT Delta > 1/2 Window

(m)=manual int.

Integration File: autoint1.e
Quant Time: Aug 29 08:12:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 2025
Response via : Initial Calibration
Integrator: ChemStation

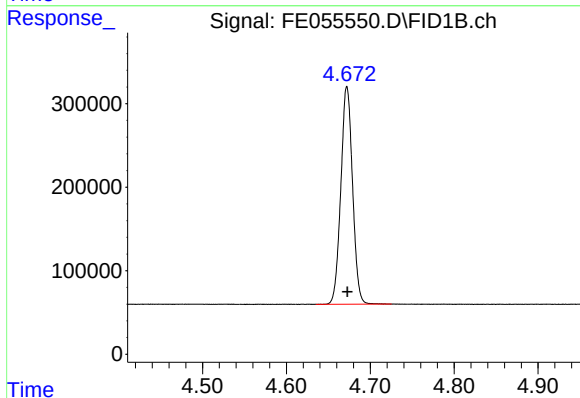
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





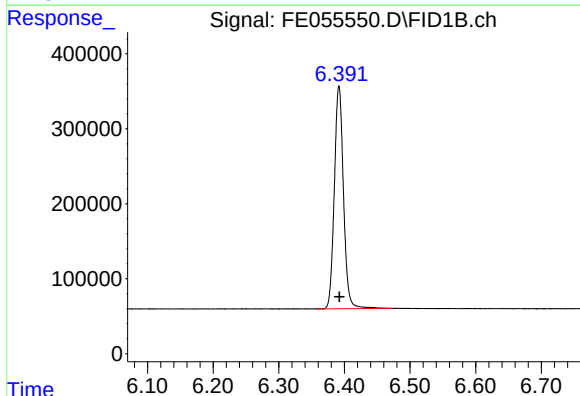
#1 n-Nonane (C9)

R.T.: 3.414 min
Delta R.T.: 0.000 min
Response: 2507578
Conc: 19.76 ug/ml



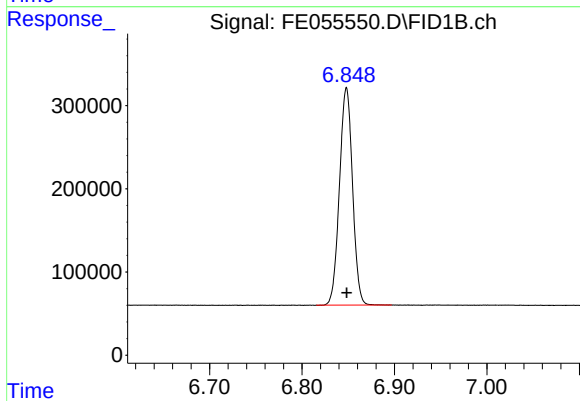
#2 n-Decane (C10)

R.T.: 4.672 min
Delta R.T.: 0.000 min
Response: 2532591
Conc: 19.77 ug/ml



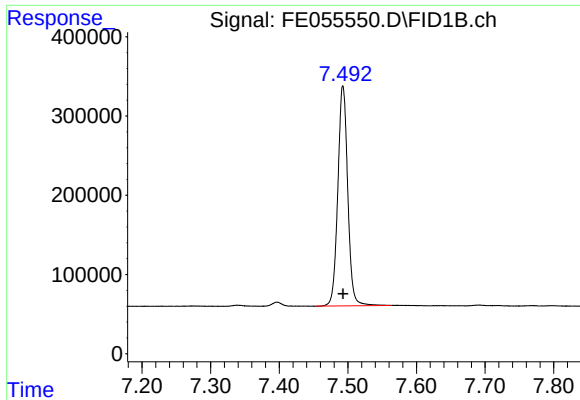
#3 A~Naphthalene (C11.7)

R.T.: 6.392 min
Delta R.T.: 0.000 min
Response: 2890578
Conc: 19.90 ug/ml



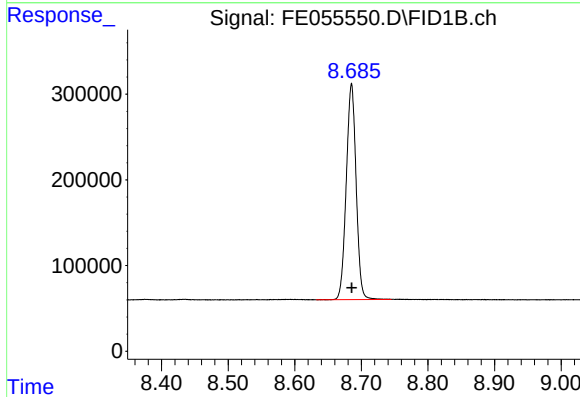
#4 n-Dodecane (C12)

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 2567645
Conc: 19.72 ug/ml



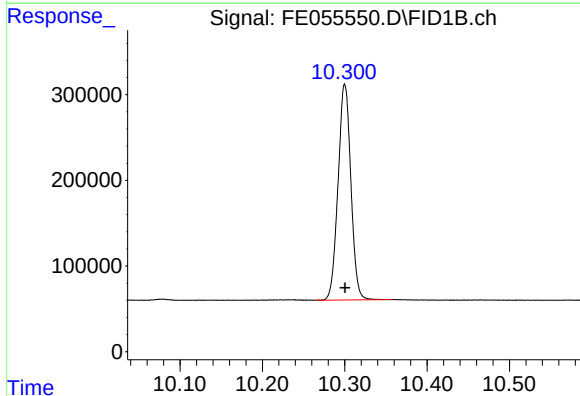
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 2786377
Conc: 19.81 ug/ml



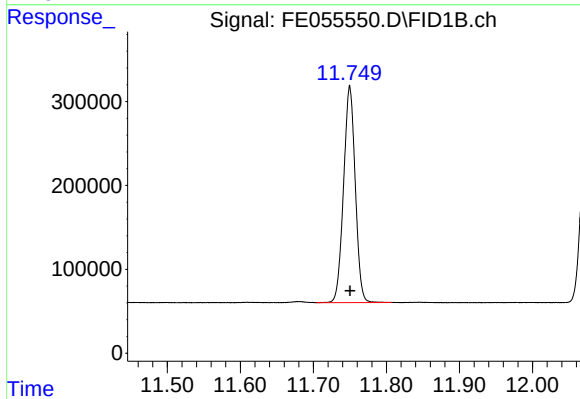
#6 n-Tetradecane (C14)

R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 2590138
Conc: 19.67 ug/ml



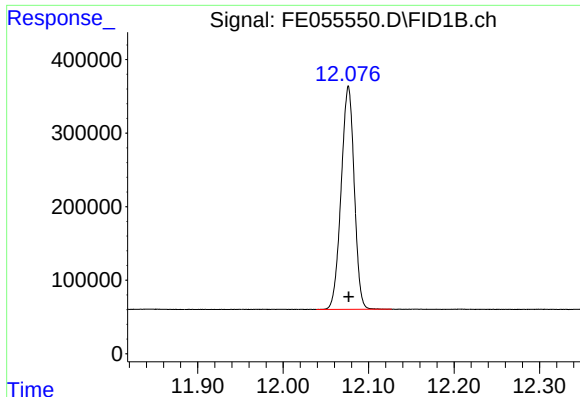
#7 n-Hexadecane (C16)

R.T.: 10.300 min
Delta R.T.: 0.000 min
Response: 2724449
Conc: 19.67 ug/ml



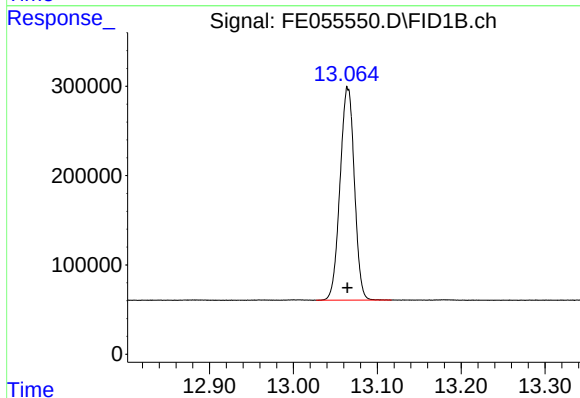
#8 n-Octadecane (C18)

R.T.: 11.750 min
Delta R.T.: 0.000 min
Response: 2861977
Conc: 19.62 ug/ml



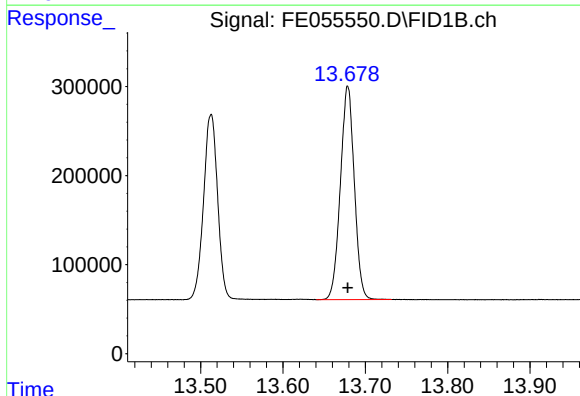
#9 ortho-Terphenyl (SURR)

R.T.: 12.076 min
Delta R.T.: 0.000 min
Response: 3229983
Conc: 19.66 ug/ml



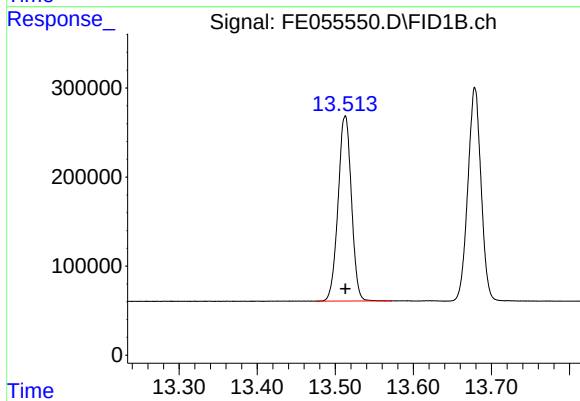
#10 n-Eicosane (C20)

R.T.: 13.065 min
Delta R.T.: 0.000 min
Response: 2831312
Conc: 19.67 ug/ml



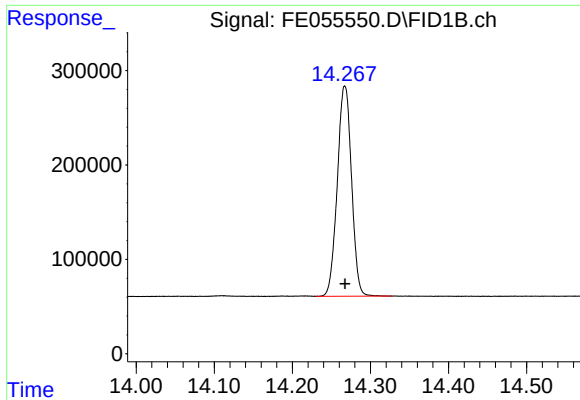
#11 n-Heneicosane (C21)

R.T.: 13.679 min
Delta R.T.: 0.000 min
Response: 2814220
Conc: 19.70 ug/ml



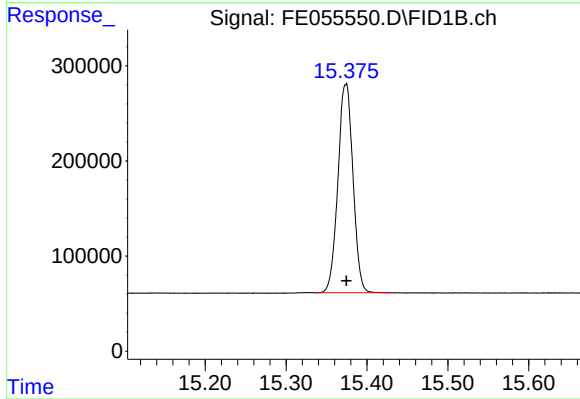
#12 1-chlorooctadecane (SURR)

R.T.: 13.513 min
Delta R.T.: 0.000 min
Response: 2465273
Conc: 19.72 ug/ml



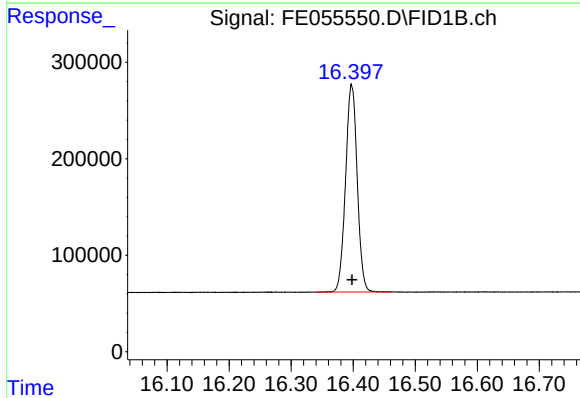
#13 n-Docosane (C22)

R.T.: 14.267 min
Delta R.T.: 0.000 min
Response: 2821284
Conc: 19.71 ug/ml



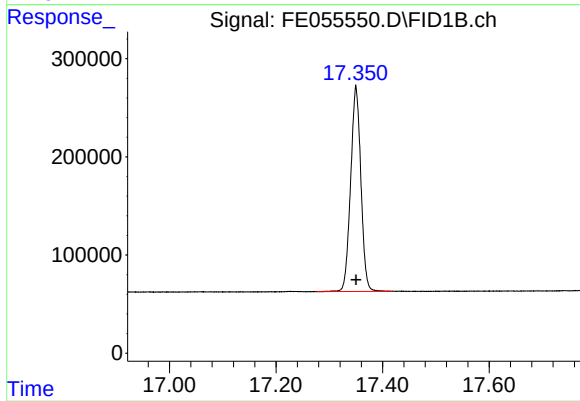
#14 n-Tetracosane (C24)

R.T.: 15.374 min
Delta R.T.: 0.000 min
Response: 2844427
Conc: 19.66 ug/ml



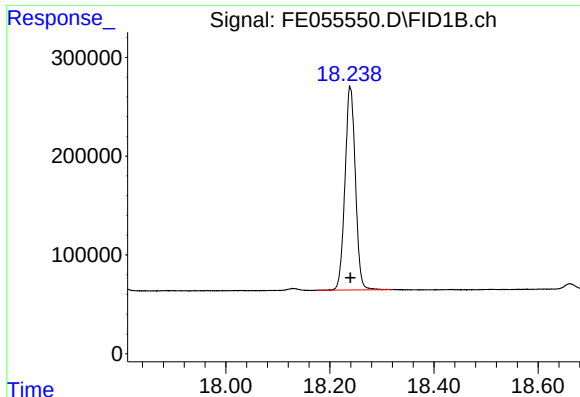
#15 n-Hexacosane (C26)

R.T.: 16.398 min
Delta R.T.: 0.000 min
Response: 2808359
Conc: 19.66 ug/ml



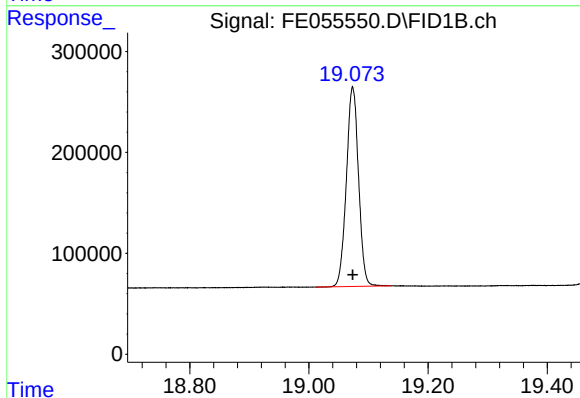
#16 n-Octacosane (C28)

R.T.: 17.350 min
Delta R.T.: 0.000 min
Response: 2785687
Conc: 19.58 ug/ml



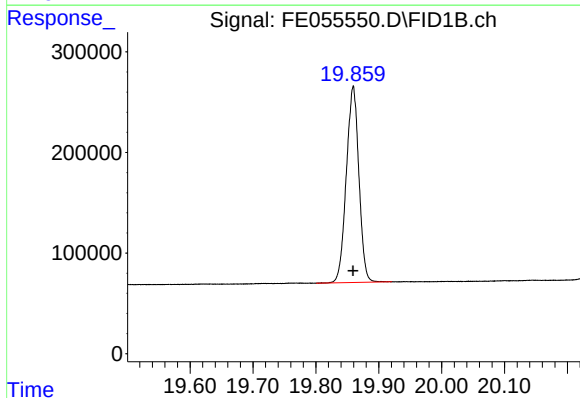
#17 n-Tricontane (C30)

R.T.: 18.239 min
Delta R.T.: 0.000 min
Response: 2862102
Conc: 19.36 ug/ml



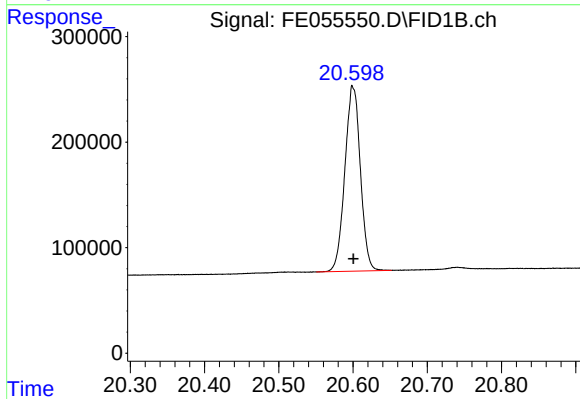
#18 n-Dotriacontane (C32)

R.T.: 19.074 min
Delta R.T.: 0.000 min
Response: 2802761
Conc: 19.10 ug/ml



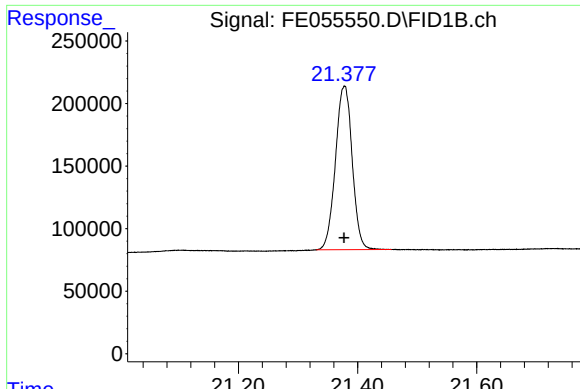
#19 n-Tetratriacontane (C34)

R.T.: 19.859 min
Delta R.T.: 0.000 min
Response: 2710350
Conc: 19.18 ug/ml



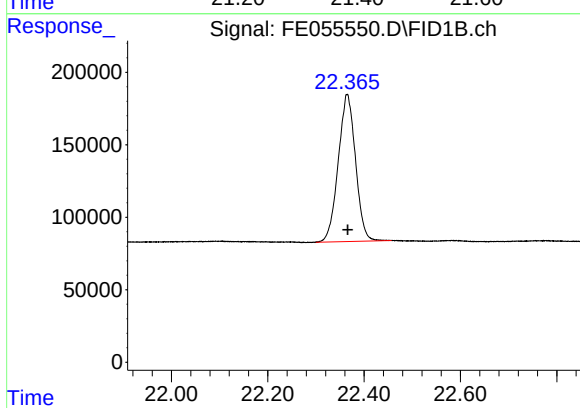
#20 n-Hexatriacontane (C36)

R.T.: 20.600 min
Delta R.T.: 0.000 min
Response: 2544869
Conc: 19.29 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.378 min
Delta R.T.: 0.000 min
Response: 2554442
Conc: 19.61 ug/ml



#22 n-Tetracontane (C40)

R.T.: 22.365 min
Delta R.T.: 0.000 min
Response: 2529947
Conc: 19.73 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082925AL\
 Data File : FE055550.D
 Signal(s) : FID1B.ch
 Acq On : 28 Aug 2025 12:05
 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 082925.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	3.384	3.464	BB	251357	2507578	77.63%	4.175%
2	4.672	4.635	4.725	BB	260573	2532591	78.41%	4.216%
3	6.392	6.357	6.472	BB	297481	2890578	89.49%	4.812%
4	6.848	6.815	6.897	BB	262238	2567645	79.49%	4.275%
5	7.493	7.454	7.564	BB	277244	2786377	86.27%	4.639%
6	8.685	8.632	8.745	BB	252357	2590138	80.19%	4.312%
7	10.300	10.265	10.357	BB	251404	2724449	84.35%	4.536%
8	11.750	11.704	11.807	BB	257841	2861977	88.61%	4.765%
9	12.076	12.039	12.127	BB	304411	3229983	100.00%	5.377%
10	13.065	13.027	13.117	BB	236143	2831312	87.66%	4.714%
11	13.513	13.475	13.572	BB	207421	2465273	76.32%	4.104%
12	13.679	13.640	13.732	BB	240042	2814220	87.13%	4.685%
13	14.267	14.230	14.327	BB	222895	2821284	87.35%	4.697%
14	15.374	15.337	15.430	BB	219174	2844427	88.06%	4.735%
15	16.398	16.340	16.462	BB	215209	2808359	86.95%	4.675%
16	17.350	17.275	17.417	BB	208676	2785687	86.24%	4.638%
17	18.239	18.174	18.319	BB	205539	2862102	88.61%	4.765%
18	19.074	19.012	19.139	BB	197740	2802761	86.77%	4.666%
19	19.859	19.800	19.920	BB	194612	2710350	83.91%	4.512%
20	20.600	20.550	20.652	BB	173023	2544869	78.79%	4.237%
21	21.378	21.330	21.457	BB	130696	2554442	79.09%	4.253%
22	22.365	22.300	22.457	BB	101395	2529947	78.33%	4.212%
Sum of corrected areas:							60066348	

Aliphatic EPH 082925.M Fri Aug 29 08:21:09 2025

Continuing Calibration Report for SequenceID : FE090325AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE055638.D

Aliphatic C9-C12	7526897.000	60.000	3.314	6.948	125448.283	128403.808	2.302
Aliphatic C12-C16	5379583.000	40.000	6.949	10.401	134489.575	135095.243	0.448
Aliphatic C16-C21	8682377.000	60.000	10.402	13.781	144706.283	144217.196	-0.339
Aliphatic C21-C28	11698379.000	80.000	13.782	17.452	146229.738	143235.734	-2.090
Aliphatic C28-C40	16925194.000	120.000	17.453	22.470	141043.283	137719.667	-2.413
Aliphatic EPH	50212430.000	360.000	3.314	22.470	139478.972	138184.135	-0.937

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	03 Sep 2025 14:55
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055638.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.314	6.948	7526897.000	60.000	ug/ml
Aliphatic C12-C16	6.949	10.401	5379583.000	40.000	ug/ml
Aliphatic C16-C21	10.402	13.781	8682377.000	60.000	ug/ml
Aliphatic C21-C28	13.782	17.452	11698379.000	80.000	ug/ml
Aliphatic C28-C40	17.453	22.470	16925194.000	120.000	ug/ml
Aliphatic EPH	3.314	22.470	50212430.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
 Data File : FE055638.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 14:55
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Sep 04 05:10:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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)	12.075	3294566	20.054 ug/ml
Spiked Amount 50.000		Recovery =	40.11%
12) S 1-chlorooctadecane (S...	13.512	2508221	20.059 ug/ml
Spiked Amount 50.000		Recovery =	40.12%
Target Compounds			
1) T n-Nonane (C9)	3.412	2439288	19.222 ug/ml
2) T n-Decane (C10)	4.671	2512564	19.614 ug/ml
3) T A~Naphthalene (C11.7)	6.390	2860775	19.690 ug/ml
4) T n-Dodecane (C12)	6.847	2575045	19.776 ug/ml
5) T A~2-methylnaphthalene...	7.491	2784907	19.800 ug/ml
6) T n-Tetradecane (C14)	8.684	2615981	19.864 ug/ml
7) T n-Hexadecane (C16)	10.299	2763602	19.954 ug/ml
8) T n-Octadecane (C18)	11.749	2918964	20.012 ug/ml
10) T n-Eicosane (C20)	13.064	2893630	20.102 ug/ml
11) T n-Heneicosane (C21)	13.678	2869783	20.090 ug/ml
13) T n-Docosane (C22)	14.266	2893649	20.215 ug/ml
14) T n-Tetracosane (C24)	15.373	2984722	20.627 ug/ml
15) T n-Hexacosane (C26)	16.397	2899718	20.297 ug/ml
16) T n-Octacosane (C28)	17.349	2920290	20.531 ug/ml
17) T n-Tricontane (C30)	18.240	3021191	20.438 ug/ml
18) T n-Dotriacontane (C32)	19.074	3022911	20.595 ug/ml
19) T n-Tetratriacontane (C34)	19.860	2908058	20.583 ug/ml
20) T n-Hexatriacontane (C36)	20.601	2712778	20.558 ug/ml
21) T n-Octatriacontane (C38)	21.379	2670905	20.508 ug/ml
22) T n-Tetracontane (C40)	22.366	2589351	20.191 ug/ml

(f)=RT Delta > 1/2 Window

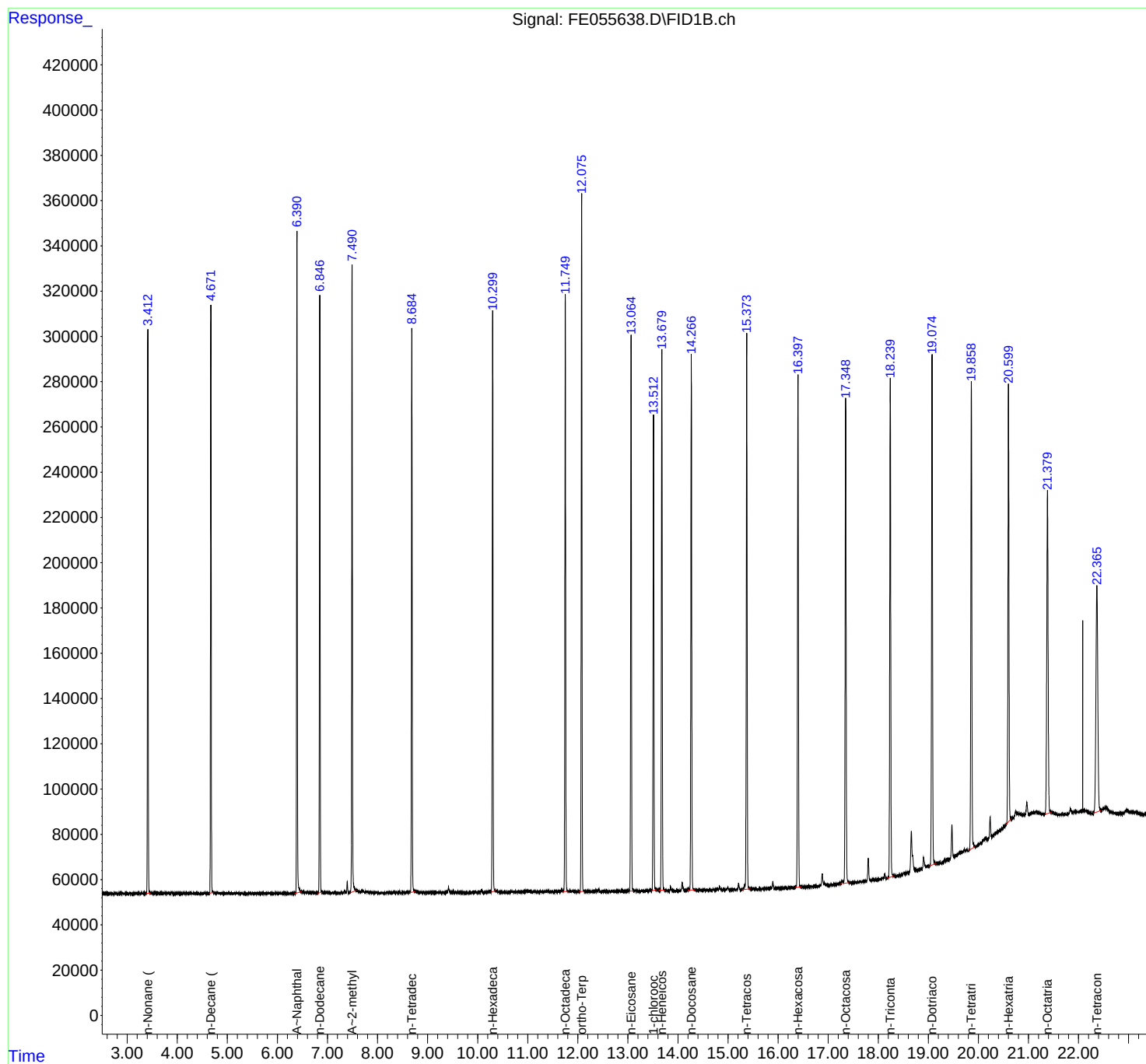
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
Data File : FE055638.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 14:55
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Sep 04 05:10:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 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\FE090325AL\
 Data File : FE055638.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 14:55
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.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	3.382	3.464	BB	248970	2439288	74.04%	3.956%
2	4.671	4.639	4.717	BB	258997	2512564	76.26%	4.075%
3	6.390	6.350	6.479	BB	292041	2860775	86.83%	4.640%
4	6.847	6.804	6.895	BB	262735	2575045	78.16%	4.176%
5	7.491	7.447	7.572	BB	276849	2784907	84.53%	4.516%
6	8.684	8.649	8.747	BB	249066	2615981	79.40%	4.243%
7	10.299	10.264	10.354	BB	255201	2763602	83.88%	4.482%
8	11.749	11.707	11.805	BB	264146	2918964	88.60%	4.734%
9	12.075	12.027	12.129	BB	307877	3294566	100.00%	5.343%
10	13.064	13.025	13.115	BB	246006	2893630	87.83%	4.693%
11	13.512	13.474	13.569	BB	210505	2508221	76.13%	4.068%
12	13.678	13.614	13.737	BB	238692	2869783	87.11%	4.654%
13	14.266	14.197	14.330	BB	235240	2893649	87.83%	4.693%
14	15.373	15.282	15.437	BB	244827	2984722	90.60%	4.841%
15	16.397	16.335	16.460	BB	225351	2899718	88.02%	4.703%
16	17.349	17.250	17.420	BB	214654	2920290	88.64%	4.736%
17	18.240	18.177	18.309	BB	220030	3021191	91.70%	4.900%
18	19.074	19.012	19.147	BB	224988	3022911	91.75%	4.902%
19	19.860	19.800	19.934	BB	203108	2908058	88.27%	4.716%
20	20.601	20.550	20.649	BB	191293	2712778	82.34%	4.400%
21	21.379	21.330	21.457	BB	142153	2670905	81.07%	4.332%
22	22.366	22.300	22.445	BB	99849	2589351	78.59%	4.199%
Sum of corrected areas:							61660897	

Aliphatic EPH 082925.M Thu Sep 04 05:46:25 2025

Continuing Calibration Report for SequenceID : FE090325AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE055653.D

Aliphatic C9-C12	7784779.000	60.000	3.314	6.948	129746.317	128403.808	-1.046
Aliphatic C12-C16	5543765.000	40.000	6.949	10.401	138594.125	135095.243	-2.590
Aliphatic C16-C21	8851051.000	60.000	10.402	13.781	147517.517	144217.196	-2.288
Aliphatic C21-C28	11756891.000	80.000	13.782	17.452	146961.138	143235.734	-2.601
Aliphatic C28-C40	17397687.000	120.000	17.453	22.470	144980.725	137719.667	-5.272
Aliphatic EPH	51334173.000	360.000	3.314	22.470	142594.925	138184.135	-3.192

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	03 Sep 2025 23:02
Client Sample ID:		Operator:	YPVAJ
Data file:	FE055653.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.314	6.948	7784779.000	60.000	ug/ml
Aliphatic C12-C16	6.949	10.401	5543765.000	40.000	ug/ml
Aliphatic C16-C21	10.402	13.781	8851051.000	60.000	ug/ml
Aliphatic C21-C28	13.782	17.452	11756891.000	80.000	ug/ml
Aliphatic C28-C40	17.453	22.470	17397687.000	120.000	ug/ml
Aliphatic EPH	3.314	22.470	51334173.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
 Data File : FE055653.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 23:02
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Sep 04 05:16:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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)	12.074	3346737	20.372 ug/ml
Spiked Amount 50.000		Recovery =	40.74%
12) S 1-chlorooctadecane (S...	13.510	2541684	20.326 ug/ml
Spiked Amount 50.000		Recovery =	40.65%
Target Compounds			
1) T n-Nonane (C9)	3.412	2516474	19.830 ug/ml
2) T n-Decane (C10)	4.670	2600973	20.305 ug/ml
3) T A~Naphthalene (C11.7)	6.389	2964248	20.403 ug/ml
4) T n-Dodecane (C12)	6.846	2667332	20.485 ug/ml
5) T A~2-methylnaphthalene...	7.490	2870008	20.405 ug/ml
6) T n-Tetradecane (C14)	8.683	2701101	20.511 ug/ml
7) T n-Hexadecane (C16)	10.298	2842664	20.525 ug/ml
8) T n-Octadecane (C18)	11.747	2994866	20.532 ug/ml
10) T n-Eicosane (C20)	13.062	2943317	20.447 ug/ml
11) T n-Heneicosane (C21)	13.676	2912868	20.392 ug/ml
13) T n-Docosane (C22)	14.265	2939396	20.534 ug/ml
14) T n-Tetracosane (C24)	15.372	2983043	20.616 ug/ml
15) T n-Hexacosane (C26)	16.396	2909532	20.366 ug/ml
16) T n-Octacosane (C28)	17.348	2924920	20.564 ug/ml
17) T n-Tricontane (C30)	18.239	3096437	20.947 ug/ml
18) T n-Dotriacontane (C32)	19.073	3157764	21.514 ug/ml
19) T n-Tetratriacontane (C34)	19.858	3023223	21.398 ug/ml
20) T n-Hexatriacontane (C36)	20.600	2793388	21.169 ug/ml
21) T n-Octatriacontane (C38)	21.377	2699602	20.728 ug/ml
22) T n-Tetracontane (C40)	22.364	2627273	20.487 ug/ml

(f)=RT Delta > 1/2 Window

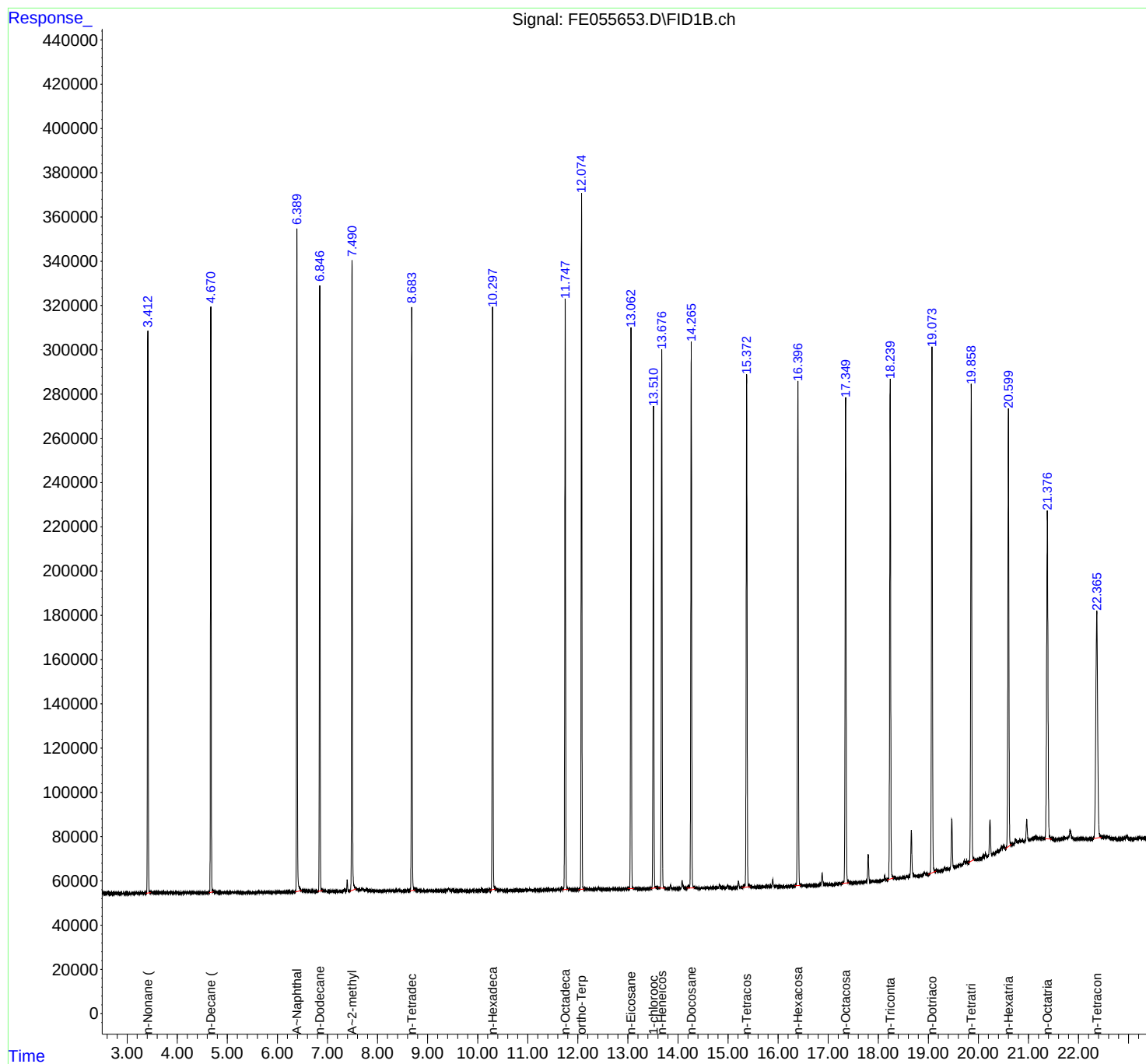
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
Data File : FE055653.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 23:02
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Sep 04 05:16:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 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\FE090325AL\
Data File : FE055653.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 23:02
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.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	3.379	3.467	BB	253701	2516474	75.19%	3.991%
2	4.670	4.637	4.722	BB	264369	2600973	77.72%	4.125%
3	6.389	6.359	6.477	BB	299712	2964248	88.57%	4.701%
4	6.846	6.812	6.897	BB	273135	2667332	79.70%	4.230%
5	7.490	7.444	7.574	BB	284551	2870008	85.76%	4.551%
6	8.683	8.650	8.750	BB	263795	2701101	80.71%	4.284%
7	10.298	10.244	10.360	BB	261898	2842664	84.94%	4.508%
8	11.747	11.702	11.805	BB	265912	2994866	89.49%	4.749%
9	12.074	12.009	12.127	BB	312814	3346737	100.00%	5.307%
10	13.062	13.000	13.120	BB	253280	2943317	87.95%	4.668%
11	13.510	13.455	13.569	BB	218288	2541684	75.95%	4.031%
12	13.676	13.610	13.737	BB	243937	2912868	87.04%	4.619%
13	14.265	14.174	14.330	BB	246653	2939396	87.83%	4.662%
14	15.372	15.280	15.442	BB	231413	2983043	89.13%	4.731%
15	16.396	16.335	16.447	BB	227703	2909532	86.94%	4.614%
16	17.348	17.275	17.412	BB	218707	2924920	87.40%	4.639%
17	18.239	18.175	18.307	BB	223896	3096437	92.52%	4.911%
18	19.073	19.000	19.149	BB	235305	3157764	94.35%	5.008%
19	19.858	19.800	19.914	BB	216696	3023223	90.33%	4.794%
20	20.600	20.550	20.654	BB	198595	2793388	83.47%	4.430%
21	21.377	21.330	21.462	BB	147881	2699602	80.66%	4.281%
22	22.364	22.300	22.460	BB	101743	2627273	78.50%	4.167%
Sum of corrected areas:							63056848	

Aliphatic EPH 082925.M Thu Sep 04 05:54:26 2025

Continuing Calibration Report for SequenceID : FE090425AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE055656.D

Aliphatic C9-C12	7825865.000	60.000	3.312	6.946	130431.083	128403.808	-1.579
Aliphatic C12-C16	5551813.000	40.000	6.947	10.398	138795.325	135095.243	-2.739
Aliphatic C16-C21	8917104.000	60.000	10.399	13.777	148618.400	144217.196	-3.052
Aliphatic C21-C28	11941564.000	80.000	13.778	17.448	149269.550	143235.734	-4.213
Aliphatic C28-C40	17283477.000	120.000	17.449	22.463	144028.975	137719.667	-4.581
Aliphatic EPH	51519823.000	360.000	3.312	22.463	143110.619	138184.135	-3.565

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	04 Sep 2025 08:43
Client Sample ID:		Operator:	YPAJ
Data file:	FE055656.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.312	6.946	7825865.000	60.000	ug/ml
Aliphatic C12-C16	6.947	10.398	5551813.000	40.000	ug/ml
Aliphatic C16-C21	10.399	13.777	8917104.000	60.000	ug/ml
Aliphatic C21-C28	13.778	17.448	11941564.000	80.000	ug/ml
Aliphatic C28-C40	17.449	22.463	17283477.000	120.000	ug/ml
Aliphatic EPH	3.312	22.463	51519823.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055656.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 08:43
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Sep 05 01:23:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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)	12.074	3384226	20.600 ug/ml
Spiked Amount 50.000		Recovery =	41.20%
12) S 1-chlorooctadecane (S...	13.510	2540815	20.319 ug/ml
Spiked Amount 50.000		Recovery =	40.64%
Target Compounds			
1) T n-Nonane (C9)	3.412	2530022	19.937 ug/ml
2) T n-Decane (C10)	4.671	2623638	20.482 ug/ml
3) T A~Naphthalene (C11.7)	6.389	2951824	20.317 ug/ml
4) T n-Dodecane (C12)	6.846	2672205	20.522 ug/ml
5) T A~2-methylnaphthalene...	7.490	2866724	20.382 ug/ml
6) T n-Tetradecane (C14)	8.683	2701598	20.514 ug/ml
7) T n-Hexadecane (C16)	10.298	2850215	20.580 ug/ml
8) T n-Octadecane (C18)	11.748	3005253	20.604 ug/ml
10) T n-Eicosane (C20)	13.062	2967370	20.614 ug/ml
11) T n-Heneicosane (C21)	13.677	2944481	20.613 ug/ml
13) T n-Docosane (C22)	14.265	2962195	20.694 ug/ml
14) T n-Tetracosane (C24)	15.372	3017888	20.856 ug/ml
15) T n-Hexacosane (C26)	16.396	2970776	20.795 ug/ml
16) T n-Octacosane (C28)	17.348	2990705	21.026 ug/ml
17) T n-Tricontane (C30)	18.238	3148998	21.303 ug/ml
18) T n-Dotriacontane (C32)	19.073	3188285	21.722 ug/ml
19) T n-Tetratriacontane (C34)	19.858	3040397	21.520 ug/ml
20) T n-Hexatriacontane (C36)	20.599	2760387	20.919 ug/ml
21) T n-Octatriacontane (C38)	21.376	2646085	20.317 ug/ml
22) T n-Tetracontane (C40)	22.363	2499325	19.489 ug/ml

(f)=RT Delta > 1/2 Window

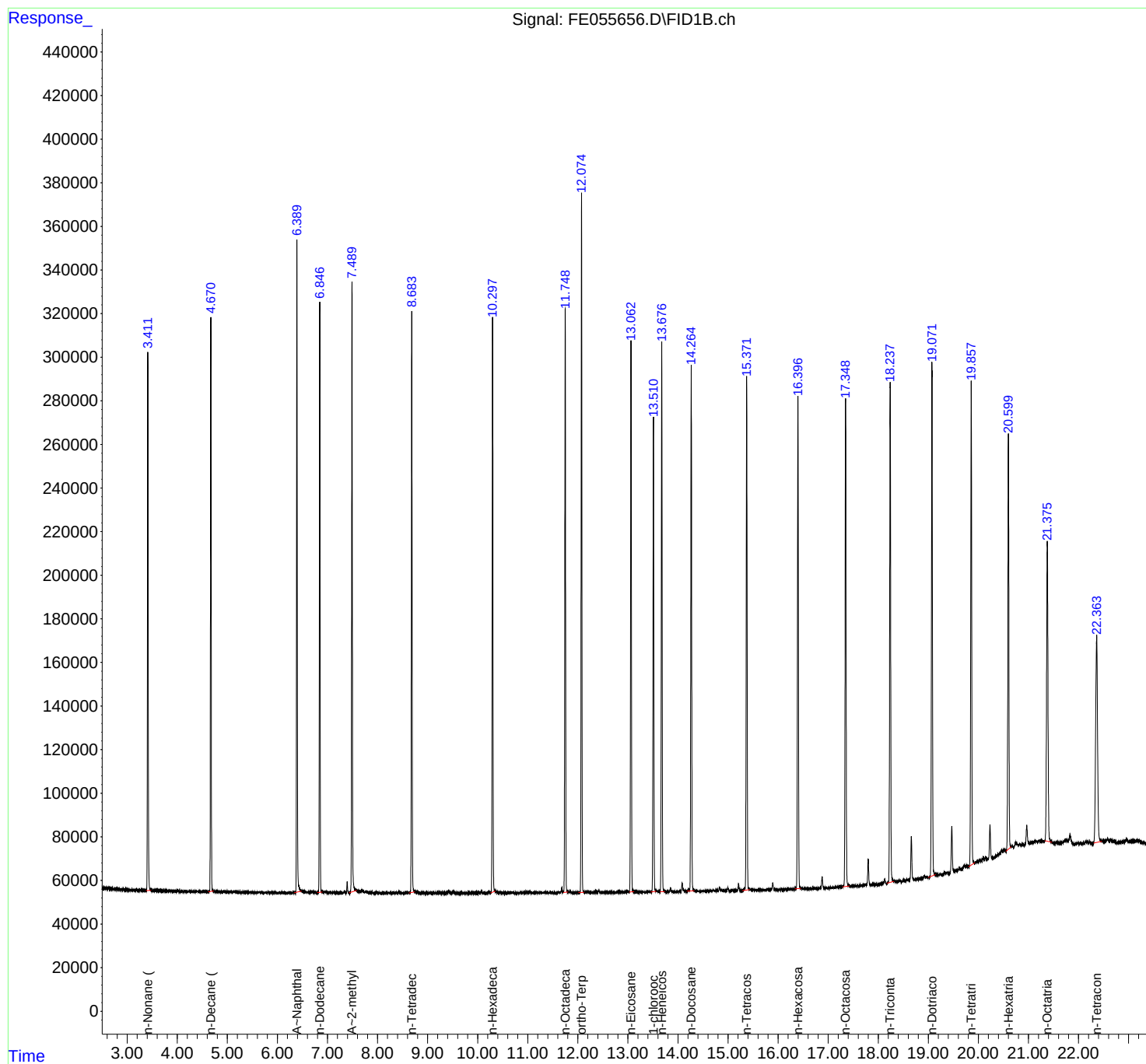
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
Data File : FE055656.D
Signal(s) : FID1B.ch
Acq On : 04 Sep 2025 08:43
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Sep 05 01:23:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 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\FE090425AL\
 Data File : FE055656.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 08:43
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.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	3.382	3.474	BB	246674	2530022	74.76%	3.999%
2	4.671	4.620	4.722	BB	263041	2623638	77.53%	4.147%
3	6.389	6.337	6.477	BB	298872	2951824	87.22%	4.666%
4	6.846	6.794	6.897	BB	270657	2672205	78.96%	4.224%
5	7.490	7.427	7.579	BB	279639	2866724	84.71%	4.531%
6	8.683	8.625	8.742	BB	267704	2701598	79.83%	4.270%
7	10.298	10.255	10.352	BB	263850	2850215	84.22%	4.505%
8	11.748	11.707	11.807	BB	266055	3005253	88.80%	4.750%
9	12.074	12.017	12.129	BB	320718	3384226	100.00%	5.349%
10	13.062	13.024	13.119	BB	251286	2967370	87.68%	4.690%
11	13.510	13.455	13.569	BB	217149	2540815	75.08%	4.016%
12	13.677	13.640	13.739	BB	250864	2944481	87.01%	4.654%
13	14.265	14.180	14.329	BB	239817	2962195	87.53%	4.682%
14	15.372	15.285	15.432	BB	232100	3017888	89.18%	4.770%
15	16.396	16.337	16.450	BB	224661	2970776	87.78%	4.696%
16	17.348	17.289	17.425	BB	223837	2990705	88.37%	4.727%
17	18.238	18.174	18.312	BB	227853	3148998	93.05%	4.978%
18	19.073	19.000	19.145	BB	232606	3188285	94.21%	5.040%
19	19.858	19.800	19.922	BB	219832	3040397	89.84%	4.806%
20	20.599	20.550	20.649	BB	190543	2760387	81.57%	4.363%
21	21.376	21.330	21.474	BB	137427	2646085	78.19%	4.183%
22	22.363	22.300	22.464	BB	94475	2499325	73.85%	3.951%
Sum of corrected areas:							63263411	

Aliphatic EPH 082925.M Fri Sep 05 02:04:15 2025

Continuing Calibration Report for SequenceID : FE090425AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE055659.D

Aliphatic C9-C12	7793978.000	60.000	3.312	6.946	129899.633	128403.808	-1.165
Aliphatic C12-C16	5583648.000	40.000	6.947	10.398	139591.200	135095.243	-3.328
Aliphatic C16-C21	8934212.000	60.000	10.399	13.777	148903.533	144217.196	-3.249
Aliphatic C21-C28	11894826.000	80.000	13.778	17.448	148685.325	143235.734	-3.805
Aliphatic C28-C40	17055329.000	120.000	17.449	22.463	142127.742	137719.667	-3.201
Aliphatic EPH	51261993.000	360.000	3.312	22.463	142394.425	138184.135	-3.047

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	04 Sep 2025 11:08
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055659.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.312	6.946	7793978.000	60.000	ug/ml
Aliphatic C12-C16	6.947	10.398	5583648.000	40.000	ug/ml
Aliphatic C16-C21	10.399	13.777	8934212.000	60.000	ug/ml
Aliphatic C21-C28	13.778	17.448	11894826.000	80.000	ug/ml
Aliphatic C28-C40	17.449	22.463	17055329.000	120.000	ug/ml
Aliphatic EPH	3.312	22.463	51261993.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055659.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 11:08
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Sep 05 01:24:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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)	12.073	3386975	20.617 ug/ml
Spiked Amount 50.000		Recovery =	41.23%
12) S 1-chlorooctadecane (S...	13.510	2549839	20.391 ug/ml
Spiked Amount 50.000		Recovery =	40.78%
Target Compounds			
1) T n-Nonane (C9)	3.411	2513128	19.804 ug/ml
2) T n-Decane (C10)	4.670	2606220	20.346 ug/ml
3) T A~Naphthalene (C11.7)	6.389	2962191	20.388 ug/ml
4) T n-Dodecane (C12)	6.846	2674630	20.541 ug/ml
5) T A~2-methylnaphthalene...	7.490	2875199	20.442 ug/ml
6) T n-Tetradecane (C14)	8.683	2712911	20.600 ug/ml
7) T n-Hexadecane (C16)	10.298	2870737	20.728 ug/ml
8) T n-Octadecane (C18)	11.747	3017592	20.688 ug/ml
10) T n-Eicosane (C20)	13.062	2974663	20.665 ug/ml
11) T n-Heneicosane (C21)	13.676	2941957	20.595 ug/ml
13) T n-Docosane (C22)	14.264	2966844	20.726 ug/ml
14) T n-Tetracosane (C24)	15.371	3010268	20.804 ug/ml
15) T n-Hexacosane (C26)	16.394	2958018	20.705 ug/ml
16) T n-Octacosane (C28)	17.348	2959696	20.808 ug/ml
17) T n-Tricontane (C30)	18.237	3100915	20.978 ug/ml
18) T n-Dotriacontane (C32)	19.071	3106188	21.163 ug/ml
19) T n-Tetratriacontane (C34)	19.857	2962046	20.965 ug/ml
20) T n-Hexatriacontane (C36)	20.597	2734327	20.721 ug/ml
21) T n-Octatriacontane (C38)	21.375	2631569	20.206 ug/ml
22) T n-Tetracontane (C40)	22.361	2520284	19.653 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
Data File : FE055659.D
Signal(s) : FID1B.ch
Acq On : 04 Sep 2025 11:08
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.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	3.375	3.467	BB	249951	2513128	74.20%	3.987%
2	4.670	4.637	4.722	BB	264447	2606220	76.95%	4.134%
3	6.389	6.332	6.480	BB	297261	2962191	87.46%	4.699%
4	6.846	6.813	6.893	BB	272323	2674630	78.97%	4.243%
5	7.490	7.448	7.577	BB	285100	2875199	84.89%	4.561%
6	8.683	8.648	8.748	BB	262250	2712911	80.10%	4.304%
7	10.298	10.260	10.358	BB	265571	2870737	84.76%	4.554%
8	11.747	11.705	11.805	BB	262985	3017592	89.09%	4.787%
9	12.073	12.037	12.132	BB	313164	3386975	100.00%	5.373%
10	13.062	13.020	13.115	BB	253308	2974663	87.83%	4.719%
11	13.510	13.473	13.567	BB	215081	2549839	75.28%	4.045%
12	13.676	13.608	13.735	BB	245486	2941957	86.86%	4.667%
13	14.264	14.187	14.328	BB	244552	2966844	87.60%	4.707%
14	15.371	15.298	15.433	BB	238412	3010268	88.88%	4.775%
15	16.394	16.335	16.458	BB	225209	2958018	87.34%	4.693%
16	17.348	17.288	17.423	BB	214455	2959696	87.38%	4.695%
17	18.237	18.173	18.315	BB	223626	3100915	91.55%	4.919%
18	19.071	19.000	19.145	BB	211537	3106188	91.71%	4.928%
19	19.857	19.800	19.917	BB	211223	2962046	87.45%	4.699%
20	20.597	20.550	20.655	BB	183985	2734327	80.73%	4.338%
21	21.375	21.330	21.455	BB	141529	2631569	77.70%	4.175%
22	22.361	22.300	22.460	BB	97566	2520284	74.41%	3.998%
Sum of corrected areas:							63036194	

Aliphatic EPH 082925.M Fri Sep 05 02:04:59 2025



QC SAMPLE DATA

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Meetinghouse	Date Received:	
Client Sample ID:	PB169516BL	SDG No.:	Q3001
Lab Sample ID:	PB169516BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 15:25	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FE055639.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FE055639.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg	
Total EPH	Total EPH	2.09	U		2.09	6.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	
Project:	Meetinghouse	Date Received:	
Client Sample ID:	PB169516BL	SDG No.:	Q3001
Lab Sample ID:	PB169516BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 15:25	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FE055639.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FE055639.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg	
Total EPH	Total EPH	2.09	U		2.09	6.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	
Project:	Meetinghouse	Date Received:	
Client Sample ID:	PB169516BL	SDG No.:	Q3001
Lab Sample ID:	PB169516BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055639.D	1	09/03/25	09/03/25	PB169516

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.0		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.2		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169516BL	Acq On:	03 Sep 2025 15:25
Client Sample ID:	PB169516BL	Operator:	YP\AJ
Data file:	FE055639.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	0	0	300	ug/ml
Aliphatic C12-C16	6.949	10.401	0	0	200	ug/ml
Aliphatic C16-C21	10.402	13.781	0	0	300	ug/ml
Aliphatic C21-C28	13.782	17.452	0	0	400	ug/ml
Aliphatic C28-C40	17.453	22.470	0	0	600	ug/ml
Aliphatic EPH	3.314	22.470	0	0		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	5941540	36.17		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	4629787	37.02		ug/ml
Aliphatic C9-C28	3.314	17.452	0	0	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
 Data File : FE055639.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 15:25
 Operator : YP\AJ
 Sample : PB169516BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB169516BL

Integration File: autoint1.e
 Quant Time: Sep 04 05:10:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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	5941540	36.166 ug/ml
Spiked Amount 50.000		Recovery =	72.33%
12) S 1-chlorooctadecane (S...	13.513	4629787	37.025 ug/ml
Spiked Amount 50.000		Recovery =	74.05%

Target Compounds

(f)=RT Delta > 1/2 Window

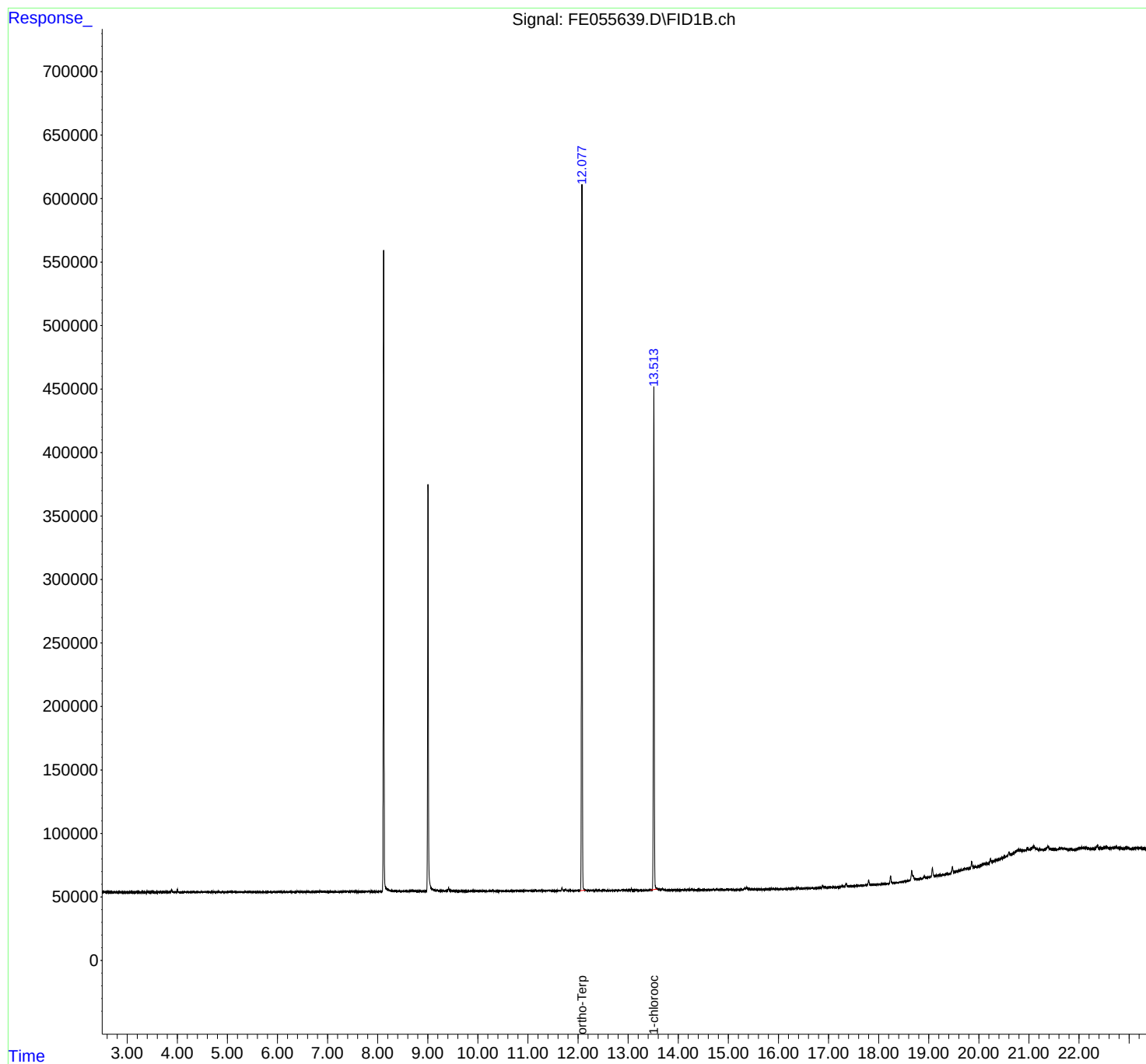
(m)=manual int.

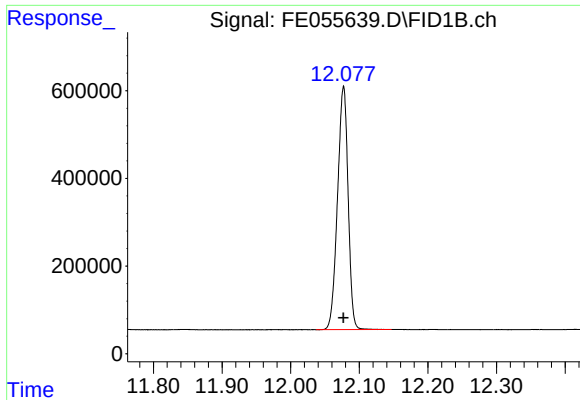
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
Data File : FE055639.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 15:25
Operator : YP\AJ
Sample : PB169516BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169516BL

Integration File: autoint1.e
Quant Time: Sep 04 05:10:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

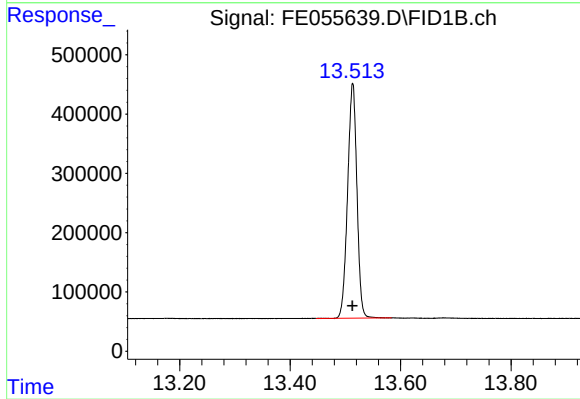




#9 ortho-Terphenyl (SURR)

R.T.: 12.077 min
Delta R.T.: 0.000 min
Response: 5941540
Conc: 36.17 ug/ml

Instrument :
FID_E
ClientSampleId :
PB169516BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.513 min
Delta R.T.: 0.000 min
Response: 4629787
Conc: 37.02 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
Data File : FE055639.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 15:25
Sample : PB169516BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.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	12.077	12.037	12.147	BB	555715	5941540	100.00%	56.204%
2	13.513	13.447	13.584	BB	397197	4629787	77.92%	43.796%
Sum of corrected areas:							10571326	

Aliphatic EPH 082925.M Thu Sep 04 05:46:45 2025

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Meetinghouse	Date Received:	
Client Sample ID:	PB169516BS	SDG No.:	Q3001
Lab Sample ID:	PB169516BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 15:56	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.3		1	1.18	2.00	mg/kg	FE055640.D
Aliphatic C9-C28	Aliphatic C9-C28	77.2		1	0.91	3.99	mg/kg	FE055640.D
Total AliphaticEPH	Total AliphaticEPH	104			2.09	5.99	mg/kg	
Total EPH	Total EPH	104			2.09	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.		Date Collected:		
Project:	Meetinghouse		Date Received:		
Client Sample ID:	PB169516BS		SDG No.:	Q3001	
Lab Sample ID:	PB169516BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 15:56	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.3		1	1.18	2.00	mg/kg	FE055640.D
Aliphatic C9-C28	Aliphatic C9-C28	77.2		1	0.91	3.99	mg/kg	FE055640.D
Total AliphaticEPH	Total AliphaticEPH	104			2.09	5.99	mg/kg	
Total EPH	Total EPH	104			2.09	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	
Project:	Meetinghouse	Date Received:	
Client Sample ID:	PB169516BS	SDG No.:	Q3001
Lab Sample ID:	PB169516BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055640.D	1	09/03/25	09/03/25	PB169516

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	77.2		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.3		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.2		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.8		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169516BS	Acq On:	03 Sep 2025 15:56
Client Sample ID:	PB169516BS	Operator:	YP\AJ
Data file:	FE055640.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	3.314	6.948	26010681	202.569	300	ug/ml
Aliphatic C12-C16	6.949	10.401	35524420	262.958	200	ug/ml
Aliphatic C16-C21	10.402	13.781	42748737	296.419	300	ug/ml
Aliphatic C21-C28	13.782	17.452	57050538	398.298	400	ug/ml
Aliphatic C28-C40	17.453	22.470	54292676	394.226	600	ug/ml
Aliphatic EPH	3.314	22.470	215627052	1550		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	4887361	29.75		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	3896199	31.16		ug/ml
Aliphatic C9-C28	3.314	17.452	161334376	1160	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
 Data File : FE055640.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 15:56
 Operator : YP\AJ
 Sample : PB169516BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB169516BS

Integration File: autoint1.e
 Quant Time: Sep 04 05:10:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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)	12.076	4887361	29.749 ug/ml
Spiked Amount 50.000		Recovery =	59.50%
12) S 1-chlorooctadecane (S...	13.513	3896199	31.158 ug/ml
Spiked Amount 50.000		Recovery =	62.32%
Target Compounds			
1) T n-Nonane (C9)	3.419	4515198	35.580 ug/ml
2) T n-Decane (C10)	4.675	4856542	37.913 ug/ml
3) T A~Naphthalene (C11.7)	6.392	5995097	41.263 ug/ml
4) T n-Dodecane (C12)	6.848	5172435	39.723 ug/ml
5) T A~2-methylnaphthalene...	7.492	5633841	40.056 ug/ml
6) T n-Tetradecane (C14)	8.686	5311703	40.334 ug/ml
7) T n-Hexadecane (C16)	10.300	5559856	40.144 ug/ml
8) T n-Octadecane (C18)	11.751	5737815	39.338 ug/ml
10) T n-Eicosane (C20)	13.066	6037191	41.940 ug/ml
11) T n-Heneicosane (C21)	13.680	5883215	41.186 ug/ml
13) T n-Docosane (C22)	14.268	5864613	40.970 ug/ml
14) T n-Tetracosane (C24)	15.375	12331859	85.225 ug/ml
15) T n-Hexacosane (C26)	16.401	5787540	40.511 ug/ml
16) T n-Octacosane (C28)	17.352	5759084	40.489 ug/ml
17) T n-Tricontane (C30)	18.243	5882238	39.793 ug/ml
18) T n-Dotriacontane (C32)	19.077	5978320	40.731 ug/ml
19) T n-Tetratriacontane (C34)	19.861	6257079	44.287 ug/ml
20) T n-Hexatriacontane (C36)	20.604	6359234	48.192 ug/ml
21) T n-Octatriacontane (C38)	21.381	6620473	50.833 ug/ml
22) T n-Tetracontane (C40)	22.370	6407644	49.966 ug/ml

(f)=RT Delta > 1/2 Window

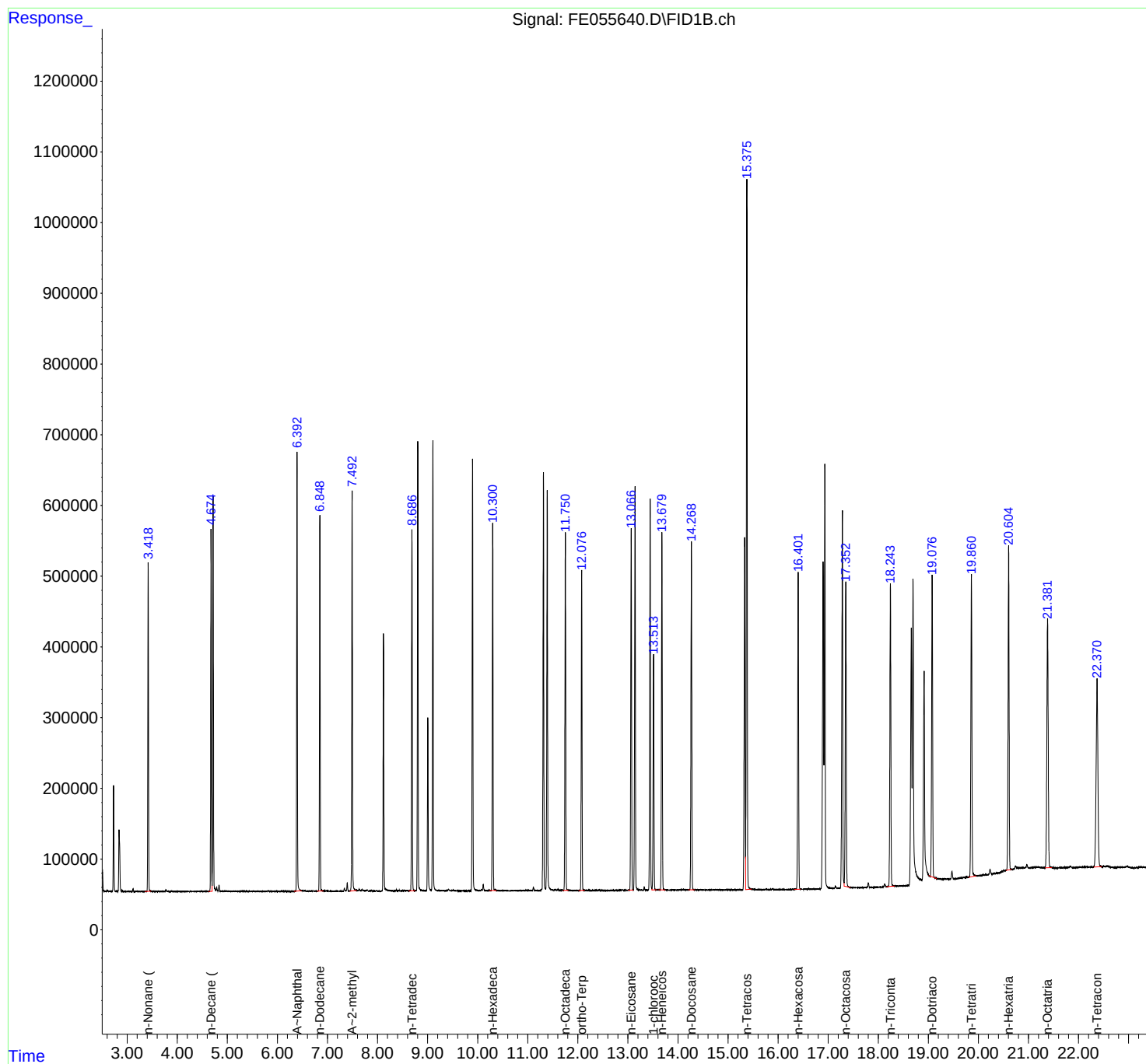
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
Data File : FE055640.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 15:56
Operator : YP\AJ
Sample : PB169516BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169516BS

Integration File: autoint1.e
Quant Time: Sep 04 05:10:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
 Data File : FE055640.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 15:56
 Sample : PB169516BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.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	3.419	3.359	3.477	BB	465681	4515198	36.61%	2.012%
2	4.675	4.620	4.695	BV	513021	4856542	39.38%	2.164%
3	4.715	4.695	4.770	VV	559190	5471409	44.37%	2.438%
4	6.392	6.330	6.480	BB	621683	5995097	48.61%	2.671%
5	6.848	6.792	6.919	BB	532088	5172435	41.94%	2.305%
6	7.493	7.442	7.585	BB	565705	5633841	45.69%	2.511%
7	8.686	8.627	8.747	BB	511922	5311703	43.07%	2.367%
8	8.803	8.750	8.889	BB	636138	6300172	51.09%	2.807%
9	9.105	9.074	9.182	VB	638412	6319528	51.25%	2.816%
10	9.898	9.834	9.982	BB	608839	6399320	51.89%	2.852%
11	10.300	10.237	10.375	BB	518802	5559856	45.09%	2.478%
12	11.313	11.225	11.357	BV	595114	6302005	51.10%	2.808%
13	11.389	11.357	11.470	VBA	565252	6242154	50.62%	2.782%
14	11.751	11.707	11.812	BB	507056	5737815	46.53%	2.557%
15	12.076	12.014	12.134	BB	452182	4887361	39.63%	2.178%
16	13.066	13.005	13.105	BV	508855	6037191	48.96%	2.690%
17	13.143	13.105	13.229	VB	572261	6244857	50.64%	2.783%
18	13.445	13.377	13.479	BV	553733	6301500	51.10%	2.808%
19	13.513	13.479	13.572	VB	332792	3896199	31.59%	1.736%
20	13.680	13.612	13.749	BB	497794	5883215	47.71%	2.622%
21	14.268	14.207	14.332	BB	492711	5864613	47.56%	2.613%
22	15.332	15.269	15.350	BV	492982	6249724	50.68%	2.785%
23	15.375	15.350	15.467	VB	1005045	12331859	100.00%	5.495%
24	16.401	16.322	16.449	BB	446572	5787540	46.93%	2.579%
25	16.900	16.820	16.916	BV	457830	7104818	57.61%	3.166%
26	16.934	16.916	17.017	VB	600007	7099491	57.57%	3.164%
27	17.284	17.250	17.317	BV	527548	6853409	55.57%	3.054%
28	17.352	17.317	17.444	VB	429876	5759084	46.70%	2.566%
29	18.243	18.169	18.329	BB	425197	5882238	47.70%	2.621%
30	18.659	18.585	18.674	BV	360481	5334686	43.26%	2.377%
31	18.694	18.674	18.869	VV	427351	6758426	54.80%	3.012%
32	18.915	18.869	19.000	PBA	290242	4694576	38.07%	2.092%
33	19.077	19.012	19.162	BB	424270	5978320	48.48%	2.664%
34	19.861	19.800	19.957	BB	426114	6257079	50.74%	2.788%
35	20.604	20.550	20.660	BB	458948	6359234	51.57%	2.834%
36	21.381	21.330	21.465	BB	350013	6620473	53.69%	2.950%

37 22.370 22.300 22.465 BB 266249 6407644 51.96% 2.855%
rteres
Sum of corrected areas: 224410611

Aliphatic EPH 082925.M Thu Sep 04 05:52:18 2025

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:		
Project:	Meetinghouse		Date Received:		
Client Sample ID:	PB169516BSD		SDG No.:	Q3001	
Lab Sample ID:	PB169516BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 16:26	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.8		1	1.18	2.00	mg/kg	FE055641.D
Aliphatic C9-C28	Aliphatic C9-C28	76.8		1	0.91	4.00	mg/kg	FE055641.D
Total AliphaticEPH	Total AliphaticEPH	104			2.09	6.00	mg/kg	
Total EPH	Total EPH	104			2.09	6.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	
Project:	Meetinghouse	Date Received:	
Client Sample ID:	PB169516BSD	SDG No.:	Q3001
Lab Sample ID:	PB169516BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 16:26	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.8		1	1.18	2.00	mg/kg	FE055641.D
Aliphatic C9-C28	Aliphatic C9-C28	76.8		1	0.91	4.00	mg/kg	FE055641.D
Total AliphaticEPH	Total AliphaticEPH	104			2.09	6.00	mg/kg	
Total EPH	Total EPH	104			2.09	6.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	
Project:	Meetinghouse	Date Received:	
Client Sample ID:	PB169516BSD	SDG No.:	Q3001
Lab Sample ID:	PB169516BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055641.D	1	09/03/25	09/03/25	PB169516

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	76.8		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.8		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.9		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.4		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169516BSD	Acq On:	03 Sep 2025 16:26
Client Sample ID:	PB169516BSD	Operator:	YP\AJ
Data file:	FE055641.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	3.314	6.948	25805917	200.975	300	ug/ml
Aliphatic C12-C16	6.949	10.401	35200083	260.558	200	ug/ml
Aliphatic C16-C21	10.402	13.781	42335738	293.555	300	ug/ml
Aliphatic C21-C28	13.782	17.452	56732867	396.08	400	ug/ml
Aliphatic C28-C40	17.453	22.470	55286765	401.444	600	ug/ml
Aliphatic EPH	3.314	22.470	215361370	1550		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	4838628	29.45		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	3857718	30.85		ug/ml
Aliphatic C9-C28	3.314	17.452	160074605	1150	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
 Data File : FE055641.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 16:26
 Operator : YP\AJ
 Sample : PB169516BSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB169516BSD

Integration File: autoint1.e
 Quant Time: Sep 04 05:11:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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)	12.076	4838628	29.453 ug/ml
Spiked Amount 50.000		Recovery =	58.91%
12) S 1-chlorooctadecane (S...	13.513	3857718	30.851 ug/ml
Spiked Amount 50.000		Recovery =	61.70%
Target Compounds			
1) T n-Nonane (C9)	3.420	4483166	35.328 ug/ml
2) T n-Decane (C10)	4.675	4819693	37.625 ug/ml
3) T A~Naphthalene (C11.7)	6.392	5952229	40.968 ug/ml
4) T n-Dodecane (C12)	6.848	5123286	39.346 ug/ml
5) T A~2-methylnaphthalene...	7.493	5584605	39.706 ug/ml
6) T n-Tetradecane (C14)	8.687	5257240	39.920 ug/ml
7) T n-Hexadecane (C16)	10.301	5501331	39.722 ug/ml
8) T n-Octadecane (C18)	11.751	5680836	38.947 ug/ml
10) T n-Eicosane (C20)	13.066	5977167	41.523 ug/ml
11) T n-Heneicosane (C21)	13.680	5823411	40.767 ug/ml
13) T n-Docosane (C22)	14.269	5804656	40.551 ug/ml
14) T n-Tetracosane (C24)	15.376	12241060	84.597 ug/ml
15) T n-Hexacosane (C26)	16.401	5714088	39.997 ug/ml
16) T n-Octacosane (C28)	17.351	5714068	40.173 ug/ml
17) T n-Tricontane (C30)	18.243	5806737	39.283 ug/ml
18) T n-Dotriacontane (C32)	19.076	5862129	39.939 ug/ml
19) T n-Tetratriacontane (C34)	19.862	6240374	44.169 ug/ml
20) T n-Hexatriacontane (C36)	20.604	6253049	47.387 ug/ml
21) T n-Octatriacontane (C38)	21.382	6537386	50.195 ug/ml
22) T n-Tetracontane (C40)	22.369	6394762	49.865 ug/ml

(f)=RT Delta > 1/2 Window

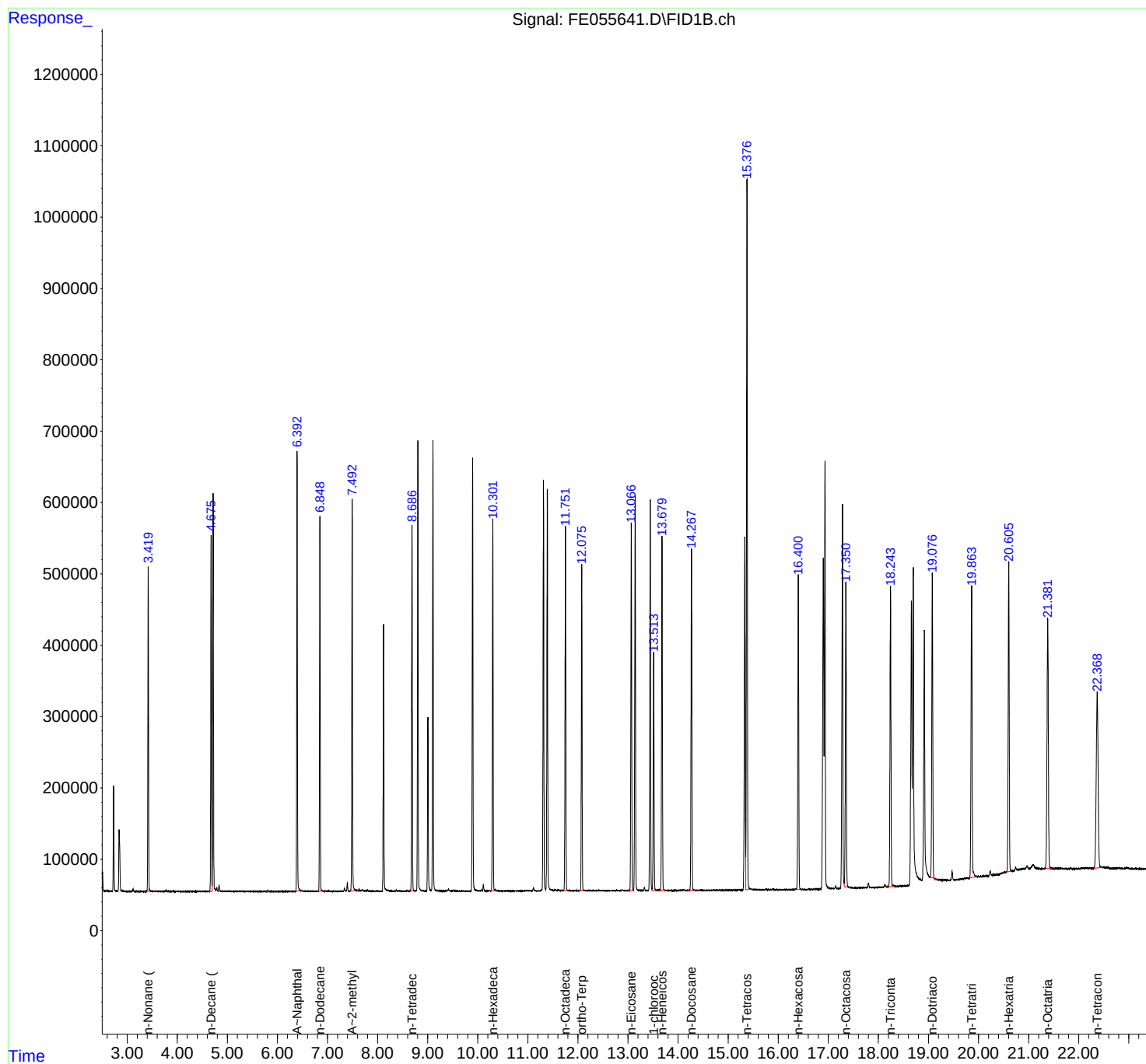
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
Data File : FE055641.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 16:26
Operator : YP\AJ
Sample : PB169516BSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169516BSD

Integration File: autoint1.e
Quant Time: Sep 04 05:11:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
 Data File : FE055641.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 16:26
 Sample : PB169516BSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.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	3.420	3.358	3.480	BB	454971	4483166	36.62%	2.001%
2	4.675	4.620	4.695	BV	499669	4819693	39.37%	2.151%
3	4.716	4.695	4.770	VV	557284	5427543	44.34%	2.422%
4	6.392	6.342	6.485	BB	615215	5952229	48.63%	2.657%
5	6.848	6.793	6.905	BB	525380	5123286	41.85%	2.287%
6	7.493	7.442	7.582	BB	549136	5584605	45.62%	2.492%
7	8.687	8.633	8.748	BB	514053	5257240	42.95%	2.346%
8	8.804	8.748	8.892	BB	630431	6247795	51.04%	2.788%
9	9.105	9.072	9.182	VB	632933	6266133	51.19%	2.797%
10	9.898	9.832	9.978	BB	605896	6342979	51.82%	2.831%
11	10.301	10.237	10.372	BB	519740	5501331	44.94%	2.455%
12	11.313	11.238	11.357	BV	574978	6246065	51.03%	2.788%
13	11.389	11.357	11.470	VBA	564245	6191727	50.58%	2.763%
14	11.751	11.707	11.808	BB	509970	5680836	46.41%	2.535%
15	12.076	12.015	12.130	BB	453922	4838628	39.53%	2.160%
16	13.066	13.005	13.108	BV	513291	5977167	48.83%	2.668%
17	13.144	13.108	13.223	VB	552402	6181420	50.50%	2.759%
18	13.445	13.375	13.479	BV	548057	6235112	50.94%	2.783%
19	13.513	13.479	13.567	VB	334489	3857718	31.51%	1.722%
20	13.680	13.612	13.745	BB	495820	5823411	47.57%	2.599%
21	14.269	14.203	14.335	BB	478010	5804656	47.42%	2.591%
22	15.332	15.258	15.351	BV	491917	6243494	51.00%	2.787%
23	15.376	15.351	15.465	VB	996117	12241060	100.00%	5.463%
24	16.401	16.335	16.462	BB	440101	5714088	46.68%	2.550%
25	16.901	16.827	16.916	BV	461585	7058607	57.66%	3.150%
26	16.934	16.916	17.015	VB	595105	7076878	57.81%	3.159%
27	17.284	17.250	17.317	BV	531118	6880016	56.20%	3.071%
28	17.351	17.317	17.435	VB	418801	5714068	46.68%	2.550%
29	18.243	18.170	18.317	BB	421024	5806737	47.44%	2.592%
30	18.659	18.585	18.675	BV	396818	5795040	47.34%	2.586%
31	18.696	18.675	18.865	VV	444650	7110370	58.09%	3.173%
32	18.917	18.865	19.000	PBA	348616	5286918	43.19%	2.360%
33	19.076	19.012	19.165	BB	427910	5862129	47.89%	2.616%
34	19.862	19.800	19.972	BB	408784	6240374	50.98%	2.785%
35	20.604	20.550	20.655	BB	426062	6253049	51.08%	2.791%
36	21.382	21.330	21.463	BB	350837	6537386	53.41%	2.918%

37 22.369 22.300 22.478 BB 246450 6394762 52.24% 2.854%
Sum of corrected areas: 224057715

Aliphatic EPH 082925.M Thu Sep 04 05:53:06 2025

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:		
Project:	Meetinghouse		Date Received:		
Client Sample ID:	S-1MS		SDG No.:	Q3001	
Lab Sample ID:	Q3001-01MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	93.7	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:00	09/03/25 17:58	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	57.1	E	1	1.26	2.13	mg/kg	FE055644.D
Aliphatic C9-C28	Aliphatic C9-C28	142	E	1	0.97	4.25	mg/kg	FE055644.D
Total AliphaticEPH	Total AliphaticEPH	199			2.23	6.38	mg/kg	
Total EPH	Total EPH	199			2.23	6.38	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	
Project:	Meetinghouse	Date Received:	
Client Sample ID:	S-1MS	SDG No.:	Q3001
Lab Sample ID:	Q3001-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055644.D	1	09/03/25	09/03/25	PB169516

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	142	E	0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	57.1	E	1.26	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.4		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.7		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3001-01MS	Acq On:	03 Sep 2025 17:58
Client Sample ID:	Q3001-01MS	Operator:	YP\AJ
Data file:	FE055644.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	36736886	286.104	300	ug/ml
Aliphatic C12-C16	6.949	10.401	59799251	442.645	200	ug/ml
Aliphatic C16-C21	10.402	13.781	78168708	542.021	300	ug/ml
Aliphatic C21-C28	13.782	17.452	104474513	729.389	400	ug/ml
Aliphatic C28-C40	17.453	22.470	110830712	804.756	600	ug/ml
Aliphatic EPH	3.314	22.470	390010070	2800		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	6034662	36.73		ug/ml
1-chlorooctadecane (SURR)	13.514	13.514	4931845	39.44		ug/ml
Aliphatic C9-C28	3.314	17.452	279179358	2000	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
 Data File : FE055644.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 17:58
 Operator : YP\AJ
 Sample : Q3001-01MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 S-1MS

Integration File: autoint1.e
 Quant Time: Sep 04 05:12:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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	6034662	36.733 ug/ml
Spiked Amount 50.000		Recovery =	73.47%
12) S 1-chlorooctadecane (S...	13.514	4931845	39.441 ug/ml
Spiked Amount 50.000		Recovery =	78.88%
Target Compounds			
1) T n-Nonane (C9)	3.416	5831770	45.955 ug/ml
2) T n-Decane (C10)	4.675	6610906	51.608 ug/ml
3) T A~Naphthalene (C11.7)	6.393	8375849	57.650 ug/ml
4) T n-Dodecane (C12)	6.849	7428421	57.049 ug/ml
5) T A~2-methylnaphthalene...	7.494	8305510	59.051 ug/ml
6) T n-Tetradecane (C14)	8.689	8537051	64.825 ug/ml
7) T n-Hexadecane (C16)	10.303	9722363	70.199 ug/ml
8) T n-Octadecane (C18)	11.753	10323613	70.777 ug/ml
10) T n-Eicosane (C20)	13.069	10884868	75.617 ug/ml
11) T n-Heneicosane (C21)	13.682	10587757	74.121 ug/ml
13) T n-Docosane (C22)	14.272	10537522	73.615 ug/ml
14) T n-Tetracosane (C24)	15.382	22020297	152.181 ug/ml
15) T n-Hexacosane (C26)	16.406	10328447	72.296 ug/ml
16) T n-Octacosane (C28)	17.355	10378541	72.966 ug/ml
17) T n-Tricontane (C30)	18.247	10445237	70.662 ug/ml
18) T n-Dotriacontane (C32)	19.080	10543438	71.834 ug/ml
19) T n-Tetratriacontane (C34)	19.865	11081995	78.437 ug/ml
20) T n-Hexatriacontane (C36)	20.607	11288675	85.548 ug/ml
21) T n-Octatriacontane (C38)	21.387	11782146	90.465 ug/ml
22) T n-Tetracontane (C40)	22.376	11492336	89.615 ug/ml

(f)=RT Delta > 1/2 Window

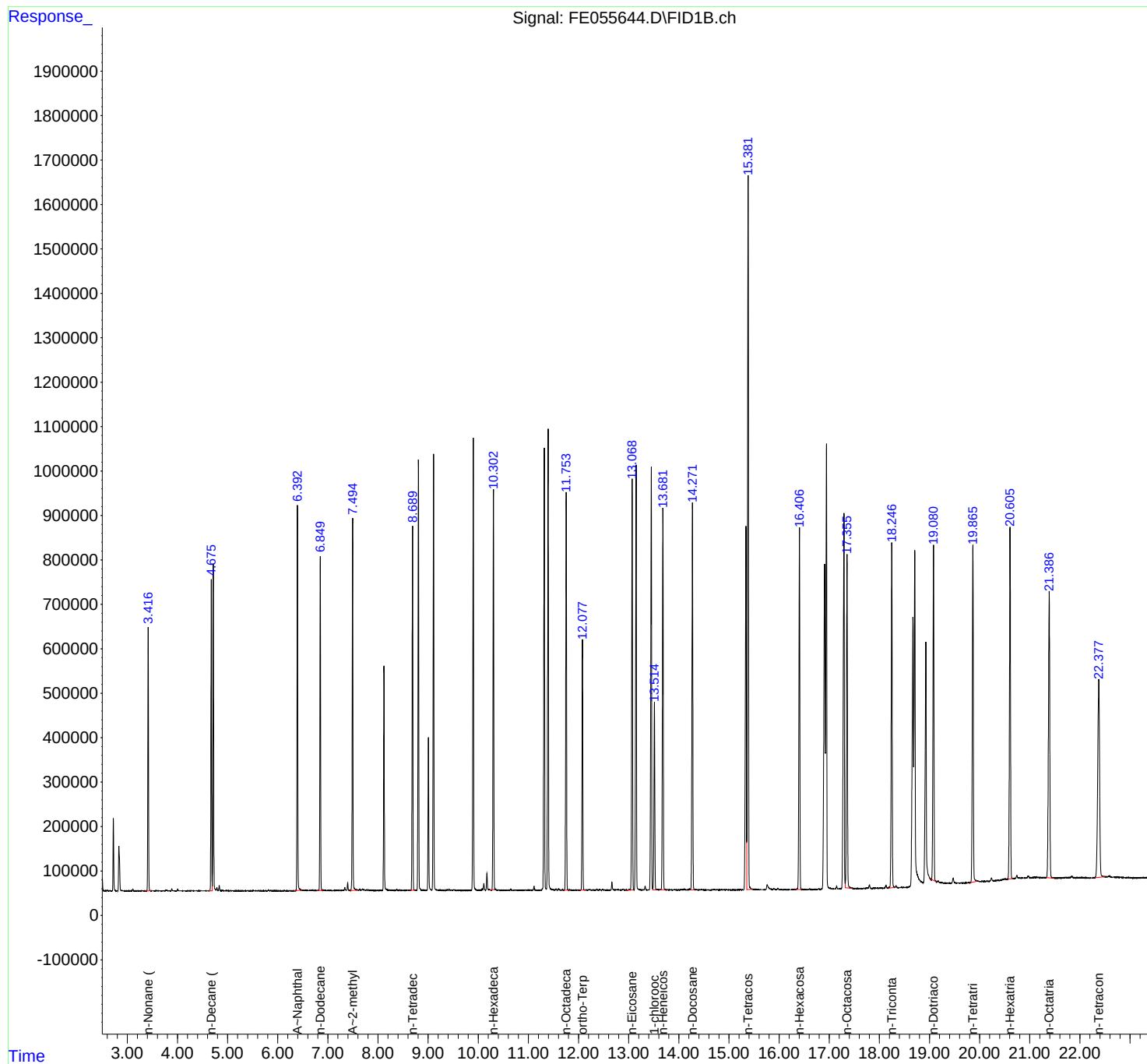
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
Data File : FE055644.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 17:58
Operator : YP\AJ
Sample : Q3001-01MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-1MS

Integration File: autoint1.e
Quant Time: Sep 04 05:12:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 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\FE090325AL\
 Data File : FE055644.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 17:58
 Sample : Q3001-01MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.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	2.833	2.805	2.879	PV	100298	1443345	6.52%	0.359%
2	2.892	2.879	2.945	PV	1035	6403	0.03%	0.002%
3	2.954	2.945	2.981	PV	157	1499	0.01%	0.000%
4	2.992	2.981	3.018	PV	112	1612	0.01%	0.000%
5	3.053	3.018	3.081	PV	262	5556	0.03%	0.001%
6	3.111	3.081	3.139	VV	4422	42471	0.19%	0.011%
7	3.157	3.139	3.166	VV	129	1056	0.00%	0.000%
8	3.202	3.166	3.258	VV	301	5162	0.02%	0.001%
9	3.282	3.258	3.342	PV	484	14199	0.06%	0.004%
10	3.416	3.342	3.505	VV	593588	5863932	26.48%	1.457%
11	3.511	3.505	3.522	VV	325	3227	0.01%	0.001%
12	3.565	3.522	3.587	VV	596	13857	0.06%	0.003%
13	3.600	3.587	3.615	VV	420	5854	0.03%	0.001%
14	3.632	3.615	3.647	VV	473	6561	0.03%	0.002%
15	3.660	3.647	3.688	VV	427	7054	0.03%	0.002%
16	3.701	3.688	3.717	VV	328	4149	0.02%	0.001%
17	3.735	3.717	3.744	VV	410	5252	0.02%	0.001%
18	3.770	3.744	3.838	VV	2236	43741	0.20%	0.011%
19	3.854	3.838	3.867	VV	548	7333	0.03%	0.002%
20	3.888	3.867	3.921	VV	4972	51484	0.23%	0.013%
21	3.930	3.921	3.958	VV	271	5104	0.02%	0.001%
22	4.004	3.958	4.067	VV	4408	54685	0.25%	0.014%
23	4.105	4.067	4.185	VV	517	19806	0.09%	0.005%
24	4.209	4.185	4.234	PV	931	13400	0.06%	0.003%
25	4.255	4.234	4.300	VV	469	14563	0.07%	0.004%
26	4.323	4.300	4.348	VV	507	9664	0.04%	0.002%
27	4.367	4.348	4.377	VV	267	4430	0.02%	0.001%
28	4.399	4.377	4.432	VV	573	12946	0.06%	0.003%
29	4.447	4.432	4.505	VV	439	13272	0.06%	0.003%
30	4.515	4.505	4.546	VV	318	6451	0.03%	0.002%
31	4.567	4.546	4.601	VV	389	9201	0.04%	0.002%
32	4.614	4.601	4.640	VV	359	6303	0.03%	0.002%
33	4.675	4.640	4.694	VV	699964	6623022	29.91%	1.645%
34	4.714	4.694	4.768	VV	735129	7325166	33.08%	1.820%
35	4.786	4.768	4.810	VV	7559	91396	0.41%	0.023%
36	4.833	4.810	4.945	VV	11970	160249	0.72%	0.040%

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37	4.957	4.945	4.972	VV	676	9504	0.04%	0.002%
38	4.986	4.972	5.031	VV	694	17150	0.08%	0.004%
39	5.043	5.031	5.053	VV	500	6216	0.03%	0.002%
40	5.059	5.053	5.078	VV	470	6371	0.03%	0.002%
41	5.089	5.078	5.125	VV	492	11367	0.05%	0.003%
42	5.140	5.125	5.167	VV	387	8508	0.04%	0.002%
43	5.191	5.167	5.212	VV	435	9048	0.04%	0.002%
44	5.229	5.212	5.244	VV	352	5929	0.03%	0.001%
45	5.258	5.244	5.318	VV	347	13712	0.06%	0.003%
46	5.331	5.318	5.368	VV	383	9620	0.04%	0.002%
47	5.380	5.368	5.452	VV	435	17159	0.08%	0.004%
48	5.465	5.452	5.482	VV	331	5136	0.02%	0.001%
49	5.495	5.482	5.546	VV	292	7112	0.03%	0.002%
50	5.556	5.546	5.568	VV	182	1860	0.01%	0.000%
51	5.620	5.568	5.658	VV	780	14171	0.06%	0.004%
52	5.667	5.658	5.761	VV	206	9061	0.04%	0.002%
53	5.769	5.761	5.781	VV	147	1572	0.01%	0.000%
54	5.812	5.781	5.837	VV	2185	25096	0.11%	0.006%
55	5.854	5.837	5.912	VV	1041	18818	0.08%	0.005%
56	5.934	5.912	5.975	VV	205	5323	0.02%	0.001%
57	6.017	5.975	6.051	VV	187	5885	0.03%	0.001%
58	6.070	6.051	6.091	VV	200	3797	0.02%	0.001%
59	6.101	6.091	6.111	VV	193	1896	0.01%	0.000%
60	6.134	6.111	6.168	VV	295	6323	0.03%	0.002%
61	6.183	6.168	6.220	VV	392	6401	0.03%	0.002%
62	6.270	6.220	6.314	VV	192	7613	0.03%	0.002%
63	6.393	6.314	6.535	VV	858464	8494508	38.36%	2.110%
64	6.554	6.535	6.609	VV	1323	40154	0.18%	0.010%
65	6.635	6.609	6.668	VV	751	23470	0.11%	0.006%
66	6.687	6.668	6.769	VV	1174	38820	0.18%	0.010%
67	6.778	6.769	6.801	VV	583	8947	0.04%	0.002%
68	6.808	6.801	6.814	VV	465	3347	0.02%	0.001%
69	6.849	6.814	6.909	VV	744922	7467929	33.73%	1.855%
70	6.926	6.909	6.981	VV	1753	42961	0.19%	0.011%
71	7.002	6.981	7.051	VV	960	24784	0.11%	0.006%
72	7.060	7.051	7.085	VV	433	7372	0.03%	0.002%
73	7.143	7.085	7.164	VV	485	17881	0.08%	0.004%
74	7.177	7.164	7.201	VV	447	8698	0.04%	0.002%
75	7.215	7.201	7.231	VV	415	5822	0.03%	0.001%
76	7.260	7.231	7.295	VV	658	16897	0.08%	0.004%
77	7.337	7.295	7.370	VV	7068	90479	0.41%	0.022%
78	7.396	7.370	7.450	VV	17708	193086	0.87%	0.048%
79	7.494	7.450	7.610	VV	837587	8398687	37.93%	2.086%
80	7.631	7.610	7.667	VV	3602	65222	0.29%	0.016%
81	7.689	7.667	7.705	VV	3739	53190	0.24%	0.013%
82	7.715	7.705	7.741	VV	2175	30227	0.14%	0.008%
83	7.767	7.741	7.780	VV	1896	27356	0.12%	0.007%
84	7.797	7.780	7.821	VV	2950	36898	0.17%	0.009%
85	7.858	7.821	7.878	VV	861	23170	0.10%	0.006%
86	7.890	7.878	7.912	VV	715	10614	0.05%	0.003%
87	7.920	7.912	7.957	VV	352	8614	0.04%	0.002%
88	7.978	7.957	8.002	VV	1222	16986	0.08%	0.004%
89	8.020	8.002	8.067	VV	586	14244	0.06%	0.004%

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90	8.221	8.206	8.245	VV	1393	29311	0.13%	0.007%
91	8.258	8.245	8.325	VV	1242	37013	0.17%	0.009%
92	8.332	8.325	8.351	VV	538	8069	0.04%	0.002%
93	8.376	8.351	8.401	VV	2782	37700	0.17%	0.009%
94	8.433	8.401	8.508	VV	1863	40351	0.18%	0.010%
95	8.518	8.508	8.531	VV	395	5123	0.02%	0.001%
96	8.543	8.531	8.555	VV	640	7383	0.03%	0.002%
97	8.589	8.555	8.631	VV	972	30089	0.14%	0.007%
98	8.689	8.631	8.760	VV	815608	8583832	38.77%	2.132%
99	8.806	8.760	8.901	VV	958804	9986328	45.10%	2.481%
100	8.915	8.901	8.957	VV	1278	24433	0.11%	0.006%
101	9.108	9.075	9.205	VV	979424	10249765	46.29%	2.546%
102	9.222	9.205	9.261	VV	1112	25591	0.12%	0.006%
103	9.284	9.261	9.301	VV	603	12435	0.06%	0.003%
104	9.318	9.301	9.354	VV	570	14623	0.07%	0.004%
105	9.379	9.354	9.397	VV	1673	24877	0.11%	0.006%
106	9.419	9.397	9.451	VV	1882	39072	0.18%	0.010%
107	9.464	9.451	9.484	VV	846	12474	0.06%	0.003%
108	9.515	9.484	9.571	VV	2214	40653	0.18%	0.010%
109	9.582	9.571	9.631	VV	309	8429	0.04%	0.002%
110	9.644	9.631	9.675	VV	215	4931	0.02%	0.001%
111	9.696	9.675	9.745	VV	328	9839	0.04%	0.002%
112	9.755	9.745	9.794	VV	344	7274	0.03%	0.002%
113	9.815	9.794	9.833	VV	422	5996	0.03%	0.001%
114	9.901	9.833	10.007	VV	1022197	10908599	49.27%	2.710%
115	10.035	10.007	10.058	VV	975	24273	0.11%	0.006%
116	10.077	10.058	10.090	VV	3214	39101	0.18%	0.010%
117	10.111	10.090	10.147	VV	15448	187888	0.85%	0.047%
118	10.173	10.147	10.268	VV	38773	479611	2.17%	0.119%
119	10.303	10.268	10.333	VV	895761	9799066	44.25%	2.434%
120	10.343	10.333	10.384	VV	2853	45698	0.21%	0.011%
121	10.401	10.384	10.441	VV	830	19197	0.09%	0.005%
122	10.444	10.441	10.507	VV	438	11094	0.05%	0.003%
123	10.526	10.507	10.549	VV	700	9326	0.04%	0.002%
124	10.587	10.549	10.622	VV	836	14981	0.07%	0.004%
125	10.648	10.622	10.674	VV	3256	37977	0.17%	0.009%
126	10.689	10.674	10.705	VV	475	6895	0.03%	0.002%
127	10.718	10.705	10.731	VV	438	5682	0.03%	0.001%
128	10.747	10.731	10.810	VV	382	14467	0.07%	0.004%
129	10.826	10.810	10.868	VV	356	8439	0.04%	0.002%
130	10.966	10.868	10.985	VV	945	30673	0.14%	0.008%
131	10.999	10.985	11.023	VV	883	15774	0.07%	0.004%
132	11.043	11.023	11.080	VV	1138	19762	0.09%	0.005%
133	11.112	11.080	11.225	VV	9055	122809	0.55%	0.031%
134	11.316	11.225	11.358	PV	1006474	11187881	50.53%	2.779%
135	11.394	11.358	11.527	VV	1044501	11237268	50.75%	2.791%
136	11.551	11.527	11.579	VV	3648	55180	0.25%	0.014%
137	11.602	11.579	11.655	VV	3702	67820	0.31%	0.017%
138	11.679	11.655	11.703	VV	1871	29492	0.13%	0.007%
139	11.753	11.703	11.810	VV	899761	10359079	46.78%	2.573%
140	11.832	11.810	11.884	VV	1009	29750	0.13%	0.007%
141	11.912	11.884	11.935	VV	398	9011	0.04%	0.002%

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142	11.944	11.935	11.965	VV	428	5319	0.02%	0.001%
143	12.023	11.965	12.033	VV	391	10918	0.05%	0.003%
144	12.077	12.033	12.134	VV	563990	6065074	27.39%	1.507%
145	12.149	12.134	12.165	VV	781	12715	0.06%	0.003%
146	12.173	12.165	12.187	VV	595	7184	0.03%	0.002%
147	12.216	12.187	12.252	VV	1478	37366	0.17%	0.009%
148	12.267	12.252	12.281	VV	806	10456	0.05%	0.003%
149	12.297	12.281	12.330	VV	939	15553	0.07%	0.004%
150	12.365	12.330	12.395	VV	1686	31242	0.14%	0.008%
151	12.417	12.395	12.458	VV	1167	29614	0.13%	0.007%
152	12.481	12.458	12.501	VV	1653	24049	0.11%	0.006%
153	12.515	12.501	12.577	VV	927	18904	0.09%	0.005%
154	12.592	12.577	12.606	VV	285	3779	0.02%	0.001%
155	12.666	12.606	12.739	VV	18308	236731	1.07%	0.059%
156	12.761	12.739	12.775	VV	1451	21548	0.10%	0.005%
157	12.789	12.775	12.837	VV	1083	27475	0.12%	0.007%
158	12.889	12.837	12.938	VV	2674	57525	0.26%	0.014%
159	12.959	12.938	12.977	VV	636	11470	0.05%	0.003%
160	13.007	12.977	13.031	VV	1175	24622	0.11%	0.006%
161	13.069	13.031	13.105	VV	923976	10906350	49.26%	2.709%
162	13.149	13.105	13.257	VV	934790	11266486	50.88%	2.799%
163	13.270	13.257	13.301	VV	780	15513	0.07%	0.004%
164	13.328	13.301	13.388	VV	9103	117694	0.53%	0.029%
165	13.451	13.388	13.478	VV	950100	11309400	51.08%	2.809%
166	13.514	13.478	13.578	VV	424463	4976233	22.47%	1.236%
167	13.586	13.578	13.600	VV	904	11117	0.05%	0.003%
168	13.622	13.600	13.641	VV	1210	23566	0.11%	0.006%
169	13.682	13.641	13.845	VV	865778	10658752	48.14%	2.648%
170	13.907	13.845	13.968	VV	1149	39815	0.18%	0.010%
171	13.984	13.968	14.000	VV	404	6860	0.03%	0.002%
172	14.026	14.000	14.041	VV	646	13045	0.06%	0.003%
173	14.057	14.041	14.085	VV	1405	22462	0.10%	0.006%
174	14.108	14.085	14.164	VV	2072	43951	0.20%	0.011%
175	14.218	14.164	14.235	VV	2084	43805	0.20%	0.011%
176	14.272	14.235	14.381	VV	863660	10583239	47.80%	2.629%
177	14.398	14.381	14.423	VV	617	10282	0.05%	0.003%
178	14.451	14.423	14.526	VV	1859	35049	0.16%	0.009%
179	14.543	14.526	14.573	VV	282	5312	0.02%	0.001%
180	14.604	14.588	14.618	VV	203	3111	0.01%	0.001%
181	14.705	14.618	14.744	VV	1349	41662	0.19%	0.010%
182	14.772	14.744	14.810	VV	670	16656	0.08%	0.004%
183	14.833	14.810	14.854	VV	951	14227	0.06%	0.004%
184	14.868	14.854	14.887	VV	579	7915	0.04%	0.002%
185	14.903	14.887	14.927	VV	423	7645	0.03%	0.002%
186	14.958	14.927	15.014	VV	358	10770	0.05%	0.003%
187	15.065	15.014	15.098	PV	311	8579	0.04%	0.002%
188	15.117	15.098	15.128	VV	249	2591	0.01%	0.001%
189	15.150	15.128	15.168	VV	227	3668	0.02%	0.001%
190	15.231	15.168	15.285	VV	624	20324	0.09%	0.005%
191	15.338	15.285	15.355	VV	818386	11371531	51.36%	2.825%
192	15.382	15.355	15.540	VV	1606038	22142392	100.00%	5.500%
193	15.561	15.540	15.582	VV	962	22379	0.10%	0.006%
194	15.593	15.582	15.615	VV	796	13543	0.06%	0.003%

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195	15.621	15.615	15.639	VV	663	8188	0.04%	0.002%
196	15.677	15.639	15.724	VV	559	23240	0.10%	0.006%
197	15.762	15.724	15.872	VV	11595	330158	1.49%	0.082%
198	15.894	15.872	15.938	VV	2501	52111	0.24%	0.013%
199	15.976	15.938	16.018	VV	3548	63225	0.29%	0.016%
200	16.033	16.018	16.090	VV	589	13307	0.06%	0.003%
201	16.101	16.090	16.115	VV	175	2033	0.01%	0.001%
202	16.155	16.115	16.183	VV	242	6061	0.03%	0.002%
203	16.214	16.183	16.223	PV	265	3981	0.02%	0.001%
204	16.246	16.223	16.265	VV	385	6831	0.03%	0.002%
205	16.406	16.265	16.450	VV	796642	10376395	46.86%	2.578%
206	16.462	16.450	16.510	VV	716	14180	0.06%	0.004%
207	16.524	16.510	16.555	VV	337	5417	0.02%	0.001%
208	16.608	16.555	16.638	PV	1464	22443	0.10%	0.006%
209	16.707	16.638	16.761	PV	245	5030	0.02%	0.001%
210	16.795	16.761	16.823	PV	706	15330	0.07%	0.004%
211	16.908	16.823	16.924	VV	726893	12906097	58.29%	3.206%
212	16.945	16.924	17.111	VV	992901	12761105	57.63%	3.170%
213	17.148	17.111	17.181	VV	6344	90802	0.41%	0.023%
214	17.202	17.181	17.211	VV	575	9738	0.04%	0.002%
215	17.294	17.211	17.319	VV	847131	12691762	57.32%	3.153%
216	17.355	17.319	17.533	VV	749871	10576266	47.76%	2.627%
217	17.552	17.533	17.581	VV	668	16885	0.08%	0.004%
218	17.600	17.581	17.627	VV	573	12518	0.06%	0.003%
219	17.638	17.627	17.661	VV	417	7114	0.03%	0.002%
220	17.702	17.661	17.721	VV	906	20477	0.09%	0.005%
221	17.745	17.721	17.754	VV	655	11002	0.05%	0.003%
222	17.801	17.754	17.863	VV	7748	131571	0.59%	0.033%
223	17.887	17.863	17.950	VV	908	19397	0.09%	0.005%
224	17.964	17.950	18.011	VV	216	4183	0.02%	0.001%
225	18.031	18.011	18.058	VV	449	5664	0.03%	0.001%
226	18.132	18.058	18.167	PV	7187	104735	0.47%	0.026%
227	18.247	18.167	18.307	VV	773169	10487681	47.36%	2.605%
228	18.333	18.307	18.385	VV	5066	82319	0.37%	0.020%
229	18.443	18.385	18.469	VV	1278	27322	0.12%	0.007%
230	18.491	18.469	18.532	VV	679	13130	0.06%	0.003%
231	18.669	18.532	18.683	PV	605522	10398082	46.96%	2.583%
232	18.705	18.683	18.876	VV	754464	12592664	56.87%	3.128%
233	18.927	18.876	19.037	VV	551764	9856727	44.52%	2.448%
234	19.080	19.037	19.155	VV	763314	11406664	51.52%	2.833%
235	19.174	19.155	19.221	VV	11040	348094	1.57%	0.086%
236	19.229	19.221	19.306	VV	7197	321679	1.45%	0.080%
237	19.333	19.306	19.351	VV	5730	149948	0.68%	0.037%
238	19.361	19.351	19.417	VV	5361	192210	0.87%	0.048%
239	19.472	19.417	19.544	VV	15849	529228	2.39%	0.131%
240	19.561	19.544	19.598	VV	4362	133687	0.60%	0.033%
241	19.629	19.598	19.641	VV	3999	99623	0.45%	0.025%
242	19.667	19.641	19.691	VV	3942	113287	0.51%	0.028%
243	19.722	19.691	19.739	VV	3830	101385	0.46%	0.025%
244	19.777	19.739	19.798	VV	3903	127647	0.58%	0.032%
245	19.865	19.798	19.954	VV	762488	11512799	51.99%	2.860%
246	19.968	19.954	19.999	VV	6447	154994	0.70%	0.039%

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247	20.013	19.999	20.028	VV	5281	90295	0.41%	0.022%
248	20.049	20.028	20.074	VV	5513	142294	0.64%	0.035%
249	20.101	20.074	20.119	VV	5010	127364	0.58%	0.032%
250	20.147	20.119	20.181	VV	5018	172445	0.78%	0.043%
251	20.236	20.181	20.271	VV	11870	359254	1.62%	0.089%
252	20.338	20.271	20.360	VV	5582	281032	1.27%	0.070%
253	20.469	20.360	20.478	VV	7254	412951	1.86%	0.103%
254	20.505	20.478	20.537	VV	8245	260467	1.18%	0.065%
255	20.607	20.537	20.668	VV	791117	11852817	53.53%	2.944%
256	20.742	20.668	20.808	VV	14363	772924	3.49%	0.192%
257	20.873	20.808	20.895	VV	8147	415223	1.88%	0.103%
258	20.969	20.895	21.021	VV	11744	652619	2.95%	0.162%
259	21.088	21.021	21.113	VV	7809	419876	1.90%	0.104%
260	21.138	21.113	21.213	VV	7694	438748	1.98%	0.109%
261	21.228	21.213	21.255	VV	6646	164573	0.74%	0.041%
262	21.281	21.255	21.313	VV	6383	217919	0.98%	0.054%
263	21.387	21.313	21.487	VV	648834	12315473	55.62%	3.059%
264	21.497	21.487	21.520	VV	4117	75545	0.34%	0.019%
265	21.712	21.520	21.772	VV	4044	557606	2.52%	0.139%
266	21.837	21.772	21.955	VV	5122	357658	1.62%	0.089%
267	22.022	21.955	22.145	VV	2082	196404	0.89%	0.049%
268	22.155	22.145	22.208	VV	737	17772	0.08%	0.004%
269	22.235	22.208	22.251	VV	233	4258	0.02%	0.001%
270	22.259	22.251	22.268	VV	187	892	0.00%	0.000%
271	22.376	22.268	22.542	PV	446318	11541587	52.12%	2.867%
Sum of corrected areas:							402572676	

Aliphatic EPH 082925.M Thu Sep 04 06:04:24 2025

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Meetinghouse	Date Received:	
Client Sample ID:	S-1MSD	SDG No.:	Q3001
Lab Sample ID:	Q3001-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.7
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:00	09/03/25 18:28	PB169516

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	58.0	E	1	1.26	2.13	mg/kg	FE055645.D
Aliphatic C9-C28	Aliphatic C9-C28	140	E	1	0.97	4.25	mg/kg	FE055645.D
Total AliphaticEPH	Total AliphaticEPH	198			2.23	6.38	mg/kg	
Total EPH	Total EPH	198			2.23	6.38	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	Earth Engineering Inc.	Date Collected:	
Project:	Meetinghouse	Date Received:	
Client Sample ID:	S-1MSD	SDG No.:	Q3001
Lab Sample ID:	Q3001-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.7
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055645.D	1	09/03/25	09/03/25	PB169516

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	140	E	0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	58.0	E	1.26	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.3		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3001-01MSD	Acq On:	03 Sep 2025 18:28
Client Sample ID:	Q3001-01MSD	Operator:	YP\AJ
Data file:	FE055645.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	35978438	280.198	300	ug/ml
Aliphatic C12-C16	6.949	10.401	58732140	434.746	200	ug/ml
Aliphatic C16-C21	10.402	13.781	77192268	535.25	300	ug/ml
Aliphatic C21-C28	13.782	17.452	103984148	725.965	400	ug/ml
Aliphatic C28-C40	17.453	22.470	112736881	818.597	600	ug/ml
Aliphatic EPH	3.314	22.470	388623875	2790		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	5956863	36.26		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	4872323	38.96		ug/ml
Aliphatic C9-C28	3.314	17.452	275886994	1980	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
 Data File : FE055645.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 18:28
 Operator : YP\AJ
 Sample : Q3001-01MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 S-1MSD

Integration File: autoint1.e
 Quant Time: Sep 04 05:13:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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	5956863	36.260 ug/ml
Spiked Amount 50.000		Recovery =	72.52%
12) S 1-chlorooctadecane (S...	13.513	4872323	38.965 ug/ml
Spiked Amount 50.000		Recovery =	77.93%
Target Compounds			
1) T n-Nonane (C9)	3.416	5731853	45.168 ug/ml
2) T n-Decane (C10)	4.675	6499804	50.741 ug/ml
3) T A~Naphthalene (C11.7)	6.392	8251636	56.795 ug/ml
4) T n-Dodecane (C12)	6.849	7305081	56.101 ug/ml
5) T A~2-methylnaphthalene...	7.494	8180396	58.161 ug/ml
6) T n-Tetradecane (C14)	8.688	8393438	63.735 ug/ml
7) T n-Hexadecane (C16)	10.303	9563313	69.051 ug/ml
8) T n-Octadecane (C18)	11.752	10170680	69.729 ug/ml
10) T n-Eicosane (C20)	13.069	10739861	74.610 ug/ml
11) T n-Heneicosane (C21)	13.683	10468584	73.286 ug/ml
13) T n-Docosane (C22)	14.271	10420704	72.799 ug/ml
14) T n-Tetracosane (C24)	15.381	21893938	151.308 ug/ml
15) T n-Hexacosane (C26)	16.405	10246536	71.723 ug/ml
16) T n-Octacosane (C28)	17.355	10307661	72.468 ug/ml
17) T n-Tricontane (C30)	18.247	10355741	70.057 ug/ml
18) T n-Dotriacontane (C32)	19.079	10439483	71.125 ug/ml
19) T n-Tetratriacontane (C34)	19.865	11178381	79.119 ug/ml
20) T n-Hexatriacontane (C36)	20.607	11132714	84.366 ug/ml
21) T n-Octatriacontane (C38)	21.386	11626485	89.270 ug/ml
22) T n-Tetracontane (C40)	22.375	11393827	88.847 ug/ml

(f)=RT Delta > 1/2 Window

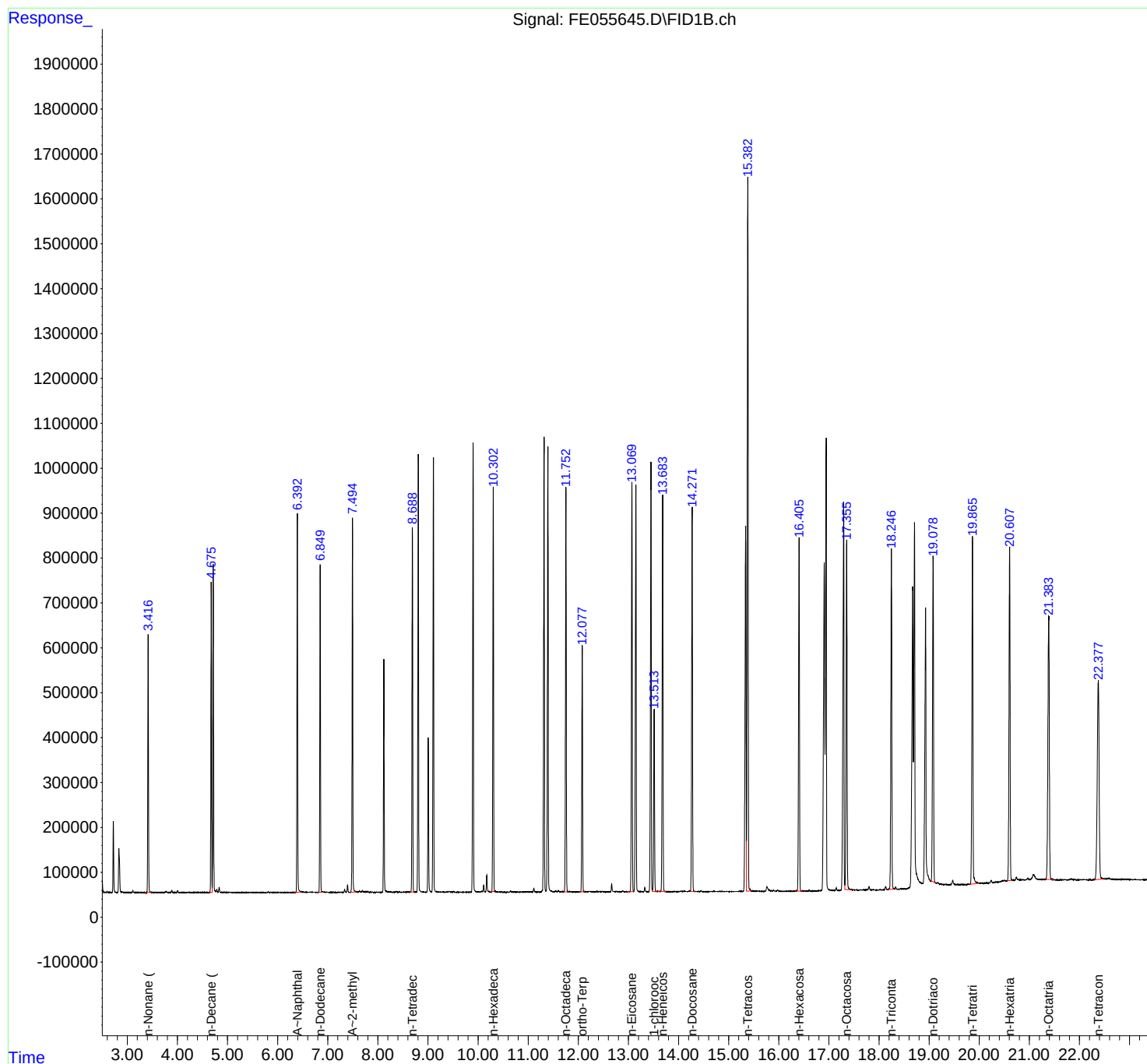
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090325AL\
Data File : FE055645.D
Signal(s) : FID1B.ch
Acq On : 03 Sep 2025 18:28
Operator : YP\AJ
Sample : Q3001-01MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-1MSD

Integration File: autoint1.e
Quant Time: Sep 04 05:13:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 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\FE090325AL\
 Data File : FE055645.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2025 18:28
 Sample : Q3001-01MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.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	2.832	2.804	2.880	PV	97943	1414883	6.43%	0.353%
2	2.892	2.880	2.944	PV	924	3117	0.01%	0.001%
3	2.951	2.944	2.958	PV	120	434	0.00%	0.000%
4	2.964	2.958	2.984	VV	132	965	0.00%	0.000%
5	2.998	2.984	3.017	VV	106	1733	0.01%	0.000%
6	3.051	3.017	3.085	PV	241	5477	0.02%	0.001%
7	3.111	3.085	3.171	VV	4315	43427	0.20%	0.011%
8	3.200	3.171	3.245	VV	299	6534	0.03%	0.002%
9	3.286	3.245	3.348	VV	491	15182	0.07%	0.004%
10	3.356	3.348	3.384	VV	188	1914	0.01%	0.000%
11	3.416	3.384	3.542	VV	572033	5756041	26.15%	1.435%
12	3.564	3.542	3.581	VV	353	5638	0.03%	0.001%
13	3.602	3.581	3.614	VV	248	3804	0.02%	0.001%
14	3.633	3.614	3.648	VV	341	5234	0.02%	0.001%
15	3.659	3.648	3.690	VV	390	5527	0.03%	0.001%
16	3.705	3.690	3.721	VV	255	3190	0.01%	0.001%
17	3.770	3.721	3.833	VV	2035	38868	0.18%	0.010%
18	3.852	3.833	3.867	VV	446	5675	0.03%	0.001%
19	3.888	3.867	3.944	VV	5071	52819	0.24%	0.013%
20	3.951	3.944	3.981	VV	97	1995	0.01%	0.000%
21	4.004	3.981	4.042	VV	4402	44663	0.20%	0.011%
22	4.051	4.042	4.080	VV	111	1882	0.01%	0.000%
23	4.106	4.080	4.172	VV	372	8111	0.04%	0.002%
24	4.208	4.172	4.231	PV	775	11133	0.05%	0.003%
25	4.244	4.231	4.254	VV	272	3394	0.02%	0.001%
26	4.266	4.254	4.301	VV	297	6246	0.03%	0.002%
27	4.322	4.301	4.363	VV	306	6724	0.03%	0.002%
28	4.399	4.363	4.430	VV	506	11021	0.05%	0.003%
29	4.443	4.430	4.504	VV	355	10972	0.05%	0.003%
30	4.513	4.504	4.530	VV	303	3398	0.02%	0.001%
31	4.559	4.530	4.602	VV	311	9941	0.05%	0.002%
32	4.615	4.602	4.644	VV	303	5441	0.02%	0.001%
33	4.675	4.644	4.694	VV	690277	6508121	29.57%	1.623%
34	4.714	4.694	4.768	VV	730080	7205532	32.73%	1.797%
35	4.786	4.768	4.810	VV	7435	87395	0.40%	0.022%
36	4.833	4.810	4.878	VV	11617	133213	0.61%	0.033%

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37	4.904	4.878	4.941	VV	558	16604	0.08%	0.004%
38	4.957	4.941	4.978	VV	614	10616	0.05%	0.003%
39	4.987	4.978	5.008	VV	515	7088	0.03%	0.002%
40	5.047	5.008	5.108	VV	422	19294	0.09%	0.005%
41	5.121	5.108	5.164	VV	311	9415	0.04%	0.002%
42	5.178	5.164	5.208	VV	348	6674	0.03%	0.002%
43	5.218	5.208	5.244	VV	235	4466	0.02%	0.001%
44	5.255	5.244	5.274	VV	268	3885	0.02%	0.001%
45	5.285	5.274	5.303	VV	267	3656	0.02%	0.001%
46	5.335	5.303	5.371	VV	347	9493	0.04%	0.002%
47	5.398	5.371	5.438	VV	367	10869	0.05%	0.003%
48	5.462	5.438	5.534	VV	346	12775	0.06%	0.003%
49	5.578	5.534	5.598	PV	249	4565	0.02%	0.001%
50	5.619	5.598	5.658	VV	718	11320	0.05%	0.003%
51	5.666	5.658	5.698	VV	146	3083	0.01%	0.001%
52	5.707	5.698	5.752	VV	173	2571	0.01%	0.001%
53	5.765	5.752	5.783	VV	107	1273	0.01%	0.000%
54	5.812	5.783	5.836	VV	2159	23086	0.10%	0.006%
55	5.854	5.836	5.928	VV	964	19785	0.09%	0.005%
56	5.938	5.928	5.966	VV	214	3292	0.01%	0.001%
57	5.988	5.966	6.037	VV	163	4316	0.02%	0.001%
58	6.061	6.037	6.094	VV	137	2941	0.01%	0.001%
59	6.134	6.094	6.162	VV	255	3676	0.02%	0.001%
60	6.184	6.162	6.221	PV	282	3952	0.02%	0.001%
61	6.234	6.221	6.252	VV	94	1086	0.00%	0.000%
62	6.392	6.252	6.531	VV	831622	8362964	37.99%	2.085%
63	6.553	6.531	6.599	VV	1164	33627	0.15%	0.008%
64	6.610	6.599	6.624	VV	606	8664	0.04%	0.002%
65	6.647	6.624	6.663	VV	628	12976	0.06%	0.003%
66	6.687	6.663	6.709	VV	1113	19843	0.09%	0.005%
67	6.720	6.709	6.738	VV	531	8297	0.04%	0.002%
68	6.745	6.738	6.764	VV	544	7251	0.03%	0.002%
69	6.777	6.764	6.811	VV	429	10144	0.05%	0.003%
70	6.849	6.811	6.908	VV	725755	7338462	33.34%	1.830%
71	6.926	6.908	6.981	VV	1646	38537	0.18%	0.010%
72	7.002	6.981	7.071	VV	819	23879	0.11%	0.006%
73	7.079	7.071	7.124	VV	295	6919	0.03%	0.002%
74	7.141	7.124	7.161	VV	333	5257	0.02%	0.001%
75	7.178	7.161	7.203	VV	297	5174	0.02%	0.001%
76	7.219	7.203	7.244	VV	203	3646	0.02%	0.001%
77	7.259	7.244	7.308	VV	483	11274	0.05%	0.003%
78	7.337	7.308	7.371	VV	6820	82210	0.37%	0.021%
79	7.396	7.371	7.449	VV	17133	183013	0.83%	0.046%
80	7.494	7.449	7.610	VV	835279	8263998	37.54%	2.061%
81	7.631	7.610	7.667	VV	3402	59003	0.27%	0.015%
82	7.689	7.667	7.705	VV	3561	49631	0.23%	0.012%
83	7.715	7.705	7.741	VV	1990	28100	0.13%	0.007%
84	7.767	7.741	7.781	VV	1794	25475	0.12%	0.006%
85	7.798	7.781	7.828	VV	2765	35036	0.16%	0.009%
86	7.860	7.828	7.878	VV	805	17885	0.08%	0.004%
87	7.890	7.878	7.934	VV	536	9540	0.04%	0.002%
88	7.944	7.934	7.954	VV	183	1720	0.01%	0.000%
89	7.978	7.954	8.004	VV	948	12577	0.06%	0.003%

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90	8.025	8.004	8.074	VV	442	8854	0.04%	0.002%
91	8.217	8.206	8.245	VV	1254	26318	0.12%	0.007%
92	8.258	8.245	8.318	VV	1100	28716	0.13%	0.007%
93	8.331	8.318	8.348	VV	457	6950	0.03%	0.002%
94	8.376	8.348	8.404	VV	2628	35156	0.16%	0.009%
95	8.433	8.404	8.481	VV	1656	28859	0.13%	0.007%
96	8.490	8.481	8.501	VV	321	3201	0.01%	0.001%
97	8.515	8.501	8.527	VV	322	4257	0.02%	0.001%
98	8.544	8.527	8.559	VV	507	7400	0.03%	0.002%
99	8.589	8.559	8.634	VV	837	25833	0.12%	0.006%
100	8.688	8.634	8.761	VV	812386	8437016	38.33%	2.104%
101	8.805	8.761	8.902	VV	965065	9849447	44.74%	2.456%
102	8.915	8.902	8.953	VV	1201	21203	0.10%	0.005%
103	9.107	9.074	9.207	VV	970492	10101110	45.89%	2.519%
104	9.223	9.207	9.272	VV	1041	23218	0.11%	0.006%
105	9.286	9.272	9.308	VV	463	8719	0.04%	0.002%
106	9.317	9.308	9.357	VV	406	10330	0.05%	0.003%
107	9.379	9.357	9.397	VV	1626	21730	0.10%	0.005%
108	9.419	9.397	9.449	VV	1806	34397	0.16%	0.009%
109	9.464	9.449	9.488	VV	674	10728	0.05%	0.003%
110	9.515	9.488	9.643	VV	2097	39025	0.18%	0.010%
111	9.654	9.643	9.671	VV	113	1492	0.01%	0.000%
112	9.689	9.671	9.721	VV	233	4257	0.02%	0.001%
113	9.755	9.721	9.797	VV	190	4996	0.02%	0.001%
114	9.815	9.797	9.828	VV	213	2505	0.01%	0.001%
115	9.900	9.828	10.011	VV	1006612	10765767	48.91%	2.685%
116	10.037	10.011	10.055	VV	814	17372	0.08%	0.004%
117	10.078	10.055	10.090	VV	3128	37734	0.17%	0.009%
118	10.111	10.090	10.147	VV	15719	183045	0.83%	0.046%
119	10.173	10.147	10.260	VV	37730	463519	2.11%	0.116%
120	10.303	10.260	10.333	VV	886343	9638362	43.79%	2.404%
121	10.343	10.333	10.381	VV	2523	40831	0.19%	0.010%
122	10.400	10.381	10.441	VV	631	15456	0.07%	0.004%
123	10.455	10.441	10.508	VV	269	6050	0.03%	0.002%
124	10.526	10.508	10.561	VV	551	6489	0.03%	0.002%
125	10.586	10.561	10.621	VV	719	9594	0.04%	0.002%
126	10.648	10.621	10.674	VV	3069	35221	0.16%	0.009%
127	10.692	10.674	10.740	VV	311	8330	0.04%	0.002%
128	10.751	10.740	10.764	VV	260	3327	0.02%	0.001%
129	10.775	10.764	10.807	VV	205	4703	0.02%	0.001%
130	10.827	10.807	10.868	VV	409	6921	0.03%	0.002%
131	10.887	10.868	10.918	VV	230	5182	0.02%	0.001%
132	10.965	10.918	10.984	VV	873	19948	0.09%	0.005%
133	10.999	10.984	11.023	VV	786	13696	0.06%	0.003%
134	11.042	11.023	11.081	VV	1081	17397	0.08%	0.004%
135	11.112	11.081	11.171	VV	8725	111571	0.51%	0.028%
136	11.185	11.171	11.220	VV	234	4817	0.02%	0.001%
137	11.316	11.220	11.355	PV	989290	11087037	50.37%	2.765%
138	11.393	11.355	11.451	VV	981475	11090839	50.38%	2.766%
139	11.461	11.451	11.527	VV	2783	70162	0.32%	0.017%
140	11.550	11.527	11.577	VV	3496	50289	0.23%	0.013%
141	11.602	11.577	11.652	VV	3788	63818	0.29%	0.016%

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142	11.678	11.652	11.703	VV	1671	27539	0.13%	0.007%
143	11.752	11.703	11.808	VV	904518	10202501	46.35%	2.544%
144	11.837	11.808	11.891	VV	897	27833	0.13%	0.007%
145	11.909	11.891	11.931	VV	390	7013	0.03%	0.002%
146	11.943	11.931	11.991	VV	383	7458	0.03%	0.002%
147	12.016	11.991	12.037	VV	369	7017	0.03%	0.002%
148	12.077	12.037	12.138	VV	551880	5982933	27.18%	1.492%
149	12.146	12.138	12.191	VV	679	16793	0.08%	0.004%
150	12.215	12.191	12.251	VV	1390	34117	0.15%	0.009%
151	12.267	12.251	12.281	VV	730	10147	0.05%	0.003%
152	12.295	12.281	12.331	VV	862	12218	0.06%	0.003%
153	12.365	12.331	12.391	VV	1688	27178	0.12%	0.007%
154	12.416	12.391	12.458	VV	1034	26603	0.12%	0.007%
155	12.481	12.458	12.502	VV	1577	22455	0.10%	0.006%
156	12.515	12.502	12.549	VV	832	12353	0.06%	0.003%
157	12.559	12.549	12.568	VV	166	1726	0.01%	0.000%
158	12.585	12.568	12.607	VV	168	3112	0.01%	0.001%
159	12.665	12.607	12.738	VV	18038	227279	1.03%	0.057%
160	12.760	12.738	12.777	VV	1325	20183	0.09%	0.005%
161	12.788	12.777	12.831	VV	876	19655	0.09%	0.005%
162	12.888	12.831	12.923	VV	2545	47779	0.22%	0.012%
163	12.932	12.923	12.941	VV	259	2329	0.01%	0.001%
164	12.959	12.941	12.981	VV	488	8351	0.04%	0.002%
165	13.006	12.981	13.028	VV	970	17544	0.08%	0.004%
166	13.069	13.028	13.108	VV	903149	10757318	48.87%	2.683%
167	13.148	13.108	13.234	VV	898581	11150938	50.66%	2.781%
168	13.240	13.234	13.264	VV	580	8796	0.04%	0.002%
169	13.275	13.264	13.294	VV	551	7713	0.04%	0.002%
170	13.327	13.294	13.365	VV	8696	106841	0.49%	0.027%
171	13.375	13.365	13.394	VV	311	4700	0.02%	0.001%
172	13.450	13.394	13.478	VV	963398	11210013	50.92%	2.795%
173	13.513	13.478	13.574	VV	405665	4908684	22.30%	1.224%
174	13.585	13.574	13.600	VV	893	11880	0.05%	0.003%
175	13.621	13.600	13.641	VV	1092	21225	0.10%	0.005%
176	13.683	13.641	13.764	VV	859201	10502788	47.71%	2.619%
177	13.771	13.764	13.788	VV	492	5482	0.02%	0.001%
178	13.796	13.788	13.838	VV	430	8089	0.04%	0.002%
179	13.872	13.838	13.884	VV	441	8560	0.04%	0.002%
180	13.906	13.884	13.954	VV	1143	23605	0.11%	0.006%
181	13.977	13.954	14.001	VV	369	8278	0.04%	0.002%
182	14.028	14.001	14.036	VV	605	9237	0.04%	0.002%
183	14.058	14.036	14.076	VV	1269	20086	0.09%	0.005%
184	14.107	14.076	14.150	VV	2045	42909	0.19%	0.011%
185	14.166	14.150	14.172	VV	512	6188	0.03%	0.002%
186	14.217	14.172	14.234	VV	2007	40039	0.18%	0.010%
187	14.271	14.234	14.345	VV	858294	10453384	47.49%	2.607%
188	14.355	14.345	14.380	VV	391	7717	0.04%	0.002%
189	14.398	14.380	14.425	VV	619	10157	0.05%	0.003%
190	14.450	14.425	14.499	VV	1884	29520	0.13%	0.007%
191	14.511	14.499	14.538	VV	257	4968	0.02%	0.001%
192	14.542	14.538	14.573	VV	228	3230	0.01%	0.001%
193	14.596	14.573	14.608	VV	255	3666	0.02%	0.001%
194	14.632	14.608	14.640	VV	282	4694	0.02%	0.001%

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195	14.706	14.640	14.751	VV	1300	37201	0.17%	0.009%
196	14.775	14.751	14.808	VV	635	13565	0.06%	0.003%
197	14.832	14.808	14.854	VV	967	14597	0.07%	0.004%
198	14.869	14.854	14.886	VV	532	7264	0.03%	0.002%
199	14.902	14.886	14.921	VV	410	6867	0.03%	0.002%
200	14.959	14.921	15.017	VV	486	14295	0.06%	0.004%
201	15.061	15.017	15.092	PV	342	8359	0.04%	0.002%
202	15.117	15.092	15.134	VV	187	3396	0.02%	0.001%
203	15.151	15.134	15.168	VV	222	3268	0.01%	0.001%
204	15.212	15.168	15.224	VV	593	9988	0.05%	0.002%
205	15.232	15.224	15.281	VV	555	11127	0.05%	0.003%
206	15.338	15.281	15.355	VV	811921	11386642	51.73%	2.840%
207	15.381	15.355	15.541	VV	1584202	22012833	100.00%	5.489%
208	15.561	15.541	15.584	VV	921	20168	0.09%	0.005%
209	15.590	15.584	15.657	VV	702	21528	0.10%	0.005%
210	15.672	15.657	15.684	VV	439	5885	0.03%	0.001%
211	15.762	15.684	15.871	VV	11066	326089	1.48%	0.081%
212	15.894	15.871	15.933	VV	2408	46420	0.21%	0.012%
213	15.975	15.933	16.014	VV	3354	55392	0.25%	0.014%
214	16.028	16.014	16.062	VV	432	8420	0.04%	0.002%
215	16.081	16.062	16.114	VV	159	2409	0.01%	0.001%
216	16.140	16.114	16.150	PV	127	1785	0.01%	0.000%
217	16.164	16.150	16.204	VV	101	2376	0.01%	0.001%
218	16.216	16.204	16.230	VV	168	2029	0.01%	0.001%
219	16.243	16.230	16.270	VV	223	4079	0.02%	0.001%
220	16.297	16.270	16.307	VV	409	6526	0.03%	0.002%
221	16.405	16.307	16.449	VV	783844	10264100	46.63%	2.560%
222	16.465	16.449	16.508	VV	662	11609	0.05%	0.003%
223	16.533	16.508	16.555	VV	317	5275	0.02%	0.001%
224	16.608	16.555	16.658	PV	1438	20124	0.09%	0.005%
225	16.709	16.658	16.726	PV	243	5548	0.03%	0.001%
226	16.742	16.726	16.761	VV	204	2906	0.01%	0.001%
227	16.796	16.761	16.816	VV	663	14521	0.07%	0.004%
228	16.908	16.816	16.924	VV	730206	12855975	58.40%	3.206%
229	16.945	16.924	17.114	VV	993654	12776742	58.04%	3.186%
230	17.148	17.114	17.185	VV	6160	93138	0.42%	0.023%
231	17.200	17.185	17.214	VV	642	10354	0.05%	0.003%
232	17.295	17.214	17.319	VV	867719	12718133	57.78%	3.172%
233	17.355	17.319	17.492	VV	781655	10488888	47.65%	2.616%
234	17.498	17.492	17.538	VV	1143	25843	0.12%	0.006%
235	17.557	17.538	17.588	VV	925	22911	0.10%	0.006%
236	17.611	17.588	17.621	VV	674	12576	0.06%	0.003%
237	17.700	17.621	17.728	VV	1112	41719	0.19%	0.010%
238	17.801	17.728	17.854	VV	7833	148044	0.67%	0.037%
239	17.888	17.854	17.909	VV	955	17854	0.08%	0.004%
240	17.919	17.909	17.953	VV	337	6728	0.03%	0.002%
241	17.979	17.953	17.994	VV	266	4432	0.02%	0.001%
242	18.033	17.994	18.063	VV	484	9934	0.05%	0.002%
243	18.132	18.063	18.166	PV	6833	105715	0.48%	0.026%
244	18.247	18.166	18.308	VV	760091	10396091	47.23%	2.592%
245	18.332	18.308	18.382	VV	4844	77148	0.35%	0.019%
246	18.442	18.382	18.468	PV	1231	23568	0.11%	0.006%

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247	18.491	18.468	18.526	VV	588	12780	0.06%	0.003%
248	18.534	18.526	18.545	VV	112	865	0.00%	0.000%
249	18.671	18.545	18.685	PV	673278	11349781	51.56%	2.830%
250	18.707	18.685	18.871	VV	818222	13164697	59.80%	3.283%
251	18.928	18.871	19.036	VV	622408	11040419	50.15%	2.753%
252	19.079	19.036	19.144	VV	740910	11244451	51.08%	2.804%
253	19.172	19.144	19.210	VV	10929	361117	1.64%	0.090%
254	19.233	19.210	19.290	VV	7390	314054	1.43%	0.078%
255	19.300	19.290	19.311	VV	5658	68872	0.31%	0.017%
256	19.330	19.311	19.359	VV	5563	158555	0.72%	0.040%
257	19.378	19.359	19.404	VV	5376	133230	0.61%	0.033%
258	19.470	19.404	19.538	VV	13981	533241	2.42%	0.133%
259	19.566	19.538	19.604	VV	4465	165386	0.75%	0.041%
260	19.631	19.604	19.648	VV	3900	100491	0.46%	0.025%
261	19.665	19.648	19.691	VV	3833	91986	0.42%	0.023%
262	19.725	19.691	19.745	VV	3356	104305	0.47%	0.026%
263	19.780	19.745	19.802	VV	3633	114580	0.52%	0.029%
264	19.865	19.802	19.958	VV	774461	11500571	52.24%	2.868%
265	19.966	19.958	19.998	VV	6487	135510	0.62%	0.034%
266	20.047	19.998	20.071	VV	5337	214717	0.98%	0.054%
267	20.096	20.071	20.116	VV	4562	119780	0.54%	0.030%
268	20.147	20.116	20.186	VV	4757	183396	0.83%	0.046%
269	20.235	20.186	20.274	VV	9886	312172	1.42%	0.078%
270	20.297	20.274	20.311	VV	4803	104817	0.48%	0.026%
271	20.339	20.311	20.356	VV	5306	137834	0.63%	0.034%
272	20.367	20.356	20.375	VV	5085	56188	0.26%	0.014%
273	20.464	20.375	20.481	VV	7457	390091	1.77%	0.097%
274	20.504	20.481	20.532	VV	8165	227544	1.03%	0.057%
275	20.606	20.532	20.668	VV	754705	11718473	53.23%	2.922%
276	20.741	20.668	20.808	VV	14002	754171	3.43%	0.188%
277	20.846	20.808	20.854	VV	7786	212619	0.97%	0.053%
278	20.870	20.854	20.908	VV	7616	237037	1.08%	0.059%
279	20.968	20.908	21.001	VV	10263	453368	2.06%	0.113%
280	21.082	21.001	21.253	VV	17319	1415868	6.43%	0.353%
281	21.276	21.253	21.301	VV	6073	171653	0.78%	0.043%
282	21.386	21.301	21.538	VV	591580	12334936	56.04%	3.076%
283	21.542	21.538	21.584	VV	3648	95776	0.44%	0.024%
284	21.675	21.584	21.682	VV	3119	183881	0.84%	0.046%
285	21.717	21.682	21.764	VV	3098	141418	0.64%	0.035%
286	21.837	21.764	21.951	VV	4302	277620	1.26%	0.069%
287	22.080	21.951	22.153	VV	1025	112849	0.51%	0.028%
288	22.163	22.153	22.194	VV	423	5905	0.03%	0.001%
289	22.375	22.194	22.544	PV	438431	11387314	51.73%	2.840%
Sum of corrected areas:					401007244			

Aliphatic EPH 082925.M Thu Sep 04 06:05:43 2025

Manual Integration Report

Sequence:

FE082925AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
5 PPM ALIPHATIC HC	FE055549.D	n-Octadecane (C18)	yogesh	8/29/2025 10:36:53 AM	mohammad	8/30/2025 12:45:13	Peak Integrated by Software
Q2970-19	FE055558.D	1-chlorooctadecane (SURR)	yogesh	8/29/2025 10:36:54 AM	mohammad	8/30/2025 12:45:13	Peak Integrated by Software
Q2970-31	FE055560.D	1-chlorooctadecane (SURR)	yogesh	8/29/2025 10:36:56 AM	mohammad	8/30/2025 12:45:13	Peak Integrated by Software



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

Manual Integration Report

Sequence:	fe090325al	Instrument	FID_e
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3001-06	FE055650.D	ortho-Terphenyl (SURR)	yogesh	9/4/2025 7:41:10 AM	mohammad	9/5/2025 6:32:18	Peak Integrated by Software

Manual Integration Report

Sequence:

FE090425AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169545BSD	FE055662.D	n-Octacosane (C28)	yogesh	9/5/2025 7:32:32 AM	mohammad	9/8/2025 4:38:30	Peak Integrated by Software
PB169545BSD	FE055662.D	n-Tetratriacontane (C34)	yogesh	9/5/2025 7:32:32 AM	mohammad	9/8/2025 4:38:30	Peak Integrated by Software
Q3011-03	FE055663.D	1-chlorooctadecane (SURR)	yogesh	9/5/2025 7:32:34 AM	mohammad	9/8/2025 4:38:30	Peak Integrated by Software
Q3011-04	FE055664.D	1-chlorooctadecane (SURR)	yogesh	9/5/2025 7:32:35 AM	mohammad	9/8/2025 4:38:30	Peak Integrated by Software
Q3011-05MS	FE055666.D	n-Octacosane (C28)	yogesh	9/5/2025 7:32:37 AM	mohammad	9/8/2025 4:38:30	Peak Integrated by Software
Q3011-05MSD	FE055667.D	n-Octacosane (C28)	yogesh	9/5/2025 7:32:39 AM	mohammad	9/8/2025 4:38:30	Peak Integrated by Software
Q3011-06	FE055668.D	1-chlorooctadecane (SURR)	yogesh	9/5/2025 7:32:40 AM	mohammad	9/8/2025 4:38:30	Peak Integrated by Software
Q3011-07	FE055669.D	1-chlorooctadecane (SURR)	yogesh	9/5/2025 7:32:42 AM	mohammad	9/8/2025 4:38:30	Peak Integrated by Software
Q3011-08	FE055670.D	1-chlorooctadecane (SURR)	yogesh	9/5/2025 7:32:43 AM	mohammad	9/8/2025 4:38:30	Peak Integrated by Software

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE082925AL

Review By	yogesh	Review On	8/29/2025 10:37:13 AM
Supervise By	mohammad	Supervise On	8/30/2025 12:45:13 AM
SubDirectory	FE082925AL	HP Acquire Method	HP Processing Method FE082925AL
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	FE055543.D	28 Aug 2025 08:33	YP\AJ	Ok
2	I.BLK	FE055544.D	28 Aug 2025 09:03	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE055545.D	28 Aug 2025 09:34	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE055546.D	28 Aug 2025 10:04	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE055547.D	28 Aug 2025 10:34	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE055548.D	28 Aug 2025 11:04	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE055549.D	28 Aug 2025 11:35	YP\AJ	Ok,M
8	20 PPM ALIPHATIC HC STD ICV	FE055550.D	28 Aug 2025 12:05	YP\AJ	Ok
9	I.BLK	FE055551.D	28 Aug 2025 12:35	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE055552.D	28 Aug 2025 13:06	YP\AJ	Ok
11	Q2969-01	FE055553.D	28 Aug 2025 14:35	YP\AJ	Ok
12	Q2969-02	FE055554.D	28 Aug 2025 15:05	YP\AJ	Ok
13	Q2970-01	FE055555.D	28 Aug 2025 15:36	YP\AJ	Ok
14	Q2970-07	FE055556.D	28 Aug 2025 16:06	YP\AJ	Ok
15	Q2970-13	FE055557.D	28 Aug 2025 16:36	YP\AJ	Ok
16	Q2970-19	FE055558.D	28 Aug 2025 17:07	YP\AJ	Ok,M
17	Q2970-25	FE055559.D	28 Aug 2025 17:37	YP\AJ	Ok
18	Q2970-31	FE055560.D	28 Aug 2025 18:08	YP\AJ	Ok,M
19	Q2970-32	FE055561.D	28 Aug 2025 18:38	YP\AJ	Ok
20	Q2970-33	FE055562.D	28 Aug 2025 19:09	YP\AJ	Ok
21	Q2970-34	FE055563.D	28 Aug 2025 19:39	YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE082925AL

Review By	yogesh	Review On	8/29/2025 10:37:13 AM
Supervise By	mohammad	Supervise On	8/30/2025 12:45:13 AM
SubDirectory	FE082925AL	HP Acquire Method	HP Processing Method FE082925AL
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	Q2970-35	FE055564.D	28 Aug 2025 20:10	YPIAJ	Ok
23	Q2971-01	FE055565.D	28 Aug 2025 20:40	YPIAJ	Ok
24	Q2971-07	FE055566.D	28 Aug 2025 21:10	YPIAJ	Ok
25	Q2971-13	FE055567.D	28 Aug 2025 21:41	YPIAJ	Ok
26	Q2971-19	FE055568.D	28 Aug 2025 22:11	YPIAJ	Ok
27	Q2971-25	FE055569.D	28 Aug 2025 22:41	YPIAJ	Ok
28	Q2971-31	FE055570.D	28 Aug 2025 23:12	YPIAJ	Ok
29	I.BLK	FE055571.D	29 Aug 2025 00:12	YPIAJ	Ok
30	20 PPM ALIPHATIC HC STD	FE055572.D	29 Aug 2025 00:42	YPIAJ	Ok
31	PB169440BL	FE055573.D	29 Aug 2025 01:43	YPIAJ	Ok
32	PB169440BS	FE055574.D	29 Aug 2025 02:13	YPIAJ	Ok
33	PB169440BSD	FE055575.D	29 Aug 2025 02:43	YPIAJ	Ok
34	PB169430BL	FE055576.D	29 Aug 2025 03:14	YPIAJ	Ok
35	PB169430BS	FE055577.D	29 Aug 2025 03:44	YPIAJ	Ok
36	PB169430BSD	FE055578.D	29 Aug 2025 04:14	YPIAJ	Ok
37	Q2970-08	FE055579.D	29 Aug 2025 04:45	YPIAJ	Ok
38	Q2970-08D	FE055580.D	29 Aug 2025 05:15	YPIAJ	Ok
39	Q2970-08MS	FE055581.D	29 Aug 2025 05:45	YPIAJ	Ok
40	Q2970-08MSD	FE055582.D	29 Aug 2025 06:15	YPIAJ	Ok
41	Q2970-09	FE055583.D	29 Aug 2025 06:45	YPIAJ	Ok
42	Q2970-23	FE055584.D	29 Aug 2025 07:16	YPIAJ	Ok
43	I.BLK	FE055585.D	29 Aug 2025 07:46	YPIAJ	Ok
44	20 PPM ALIPHATIC HC STD	FE055586.D	29 Aug 2025 08:16	YPIAJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE082925AL

Review By	yogesh	Review On	8/29/2025 10:37:13 AM
Supervise By	mohammad	Supervise On	8/30/2025 12:45:13 AM
SubDirectory	FE082925AL	HP Acquire Method	HP Processing Method FE082925AL
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		

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE090325AL

Review By	yogesh	Review On	9/3/2025 11:16:06 AM
Supervise By	mohammad	Supervise On	9/5/2025 6:32:18 AM
SubDirectory	FE090325AL	HP Acquire Method	HP Processing Method FE082925AL
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	FE055626.D	03 Sep 2025 08:14	YP\AJ	Ok
2	I.BLK	FE055627.D	03 Sep 2025 08:45	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE055628.D	03 Sep 2025 09:15	YP\AJ	Ok
4	Q2997-02	FE055629.D	03 Sep 2025 09:50	YP\AJ	Dilution
5	Q2997-02DL	FE055630.D	03 Sep 2025 10:21	YP\AJ	Ok
6	PB169491BL	FE055631.D	03 Sep 2025 11:22	YP\AJ	Ok
7	PB169491BS	FE055632.D	03 Sep 2025 11:52	YP\AJ	Ok
8	PB169491BSD	FE055633.D	03 Sep 2025 12:23	YP\AJ	Ok
9	PB169462BL	FE055634.D	03 Sep 2025 12:53	YP\AJ	Ok
10	PB169462BS	FE055635.D	03 Sep 2025 13:23	YP\AJ	Ok
11	PB169462BSD	FE055636.D	03 Sep 2025 13:54	YP\AJ	Ok
12	I.BLK	FE055637.D	03 Sep 2025 14:24	YP\AJ	Ok
13	20 PPM ALIPHATIC HC STD	FE055638.D	03 Sep 2025 14:55	YP\AJ	Ok
14	PB169516BL	FE055639.D	03 Sep 2025 15:25	YP\AJ	Ok
15	PB169516BS	FE055640.D	03 Sep 2025 15:56	YP\AJ	Ok
16	PB169516BSD	FE055641.D	03 Sep 2025 16:26	YP\AJ	Ok
17	Q3001-01	FE055642.D	03 Sep 2025 16:57	YP\AJ	Ok
18	Q3001-01D	FE055643.D	03 Sep 2025 17:27	YP\AJ	Ok
19	Q3001-01MS	FE055644.D	03 Sep 2025 17:58	YP\AJ	Ok
20	Q3001-01MSD	FE055645.D	03 Sep 2025 18:28	YP\AJ	Ok
21	Q3001-02	FE055646.D	03 Sep 2025 18:59	YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE090325AL

Review By	yogesh	Review On	9/3/2025 11:16:06 AM
Supervise By	mohammad	Supervise On	9/5/2025 6:32:18 AM
SubDirectory	FE090325AL	HP Acquire Method	HP Processing Method FE082925AL
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	Q3001-03	FE055647.D	03 Sep 2025 19:29	YP\AJ	Ok
23	Q3001-04	FE055648.D	03 Sep 2025 20:00	YP\AJ	Ok
24	Q3001-05	FE055649.D	03 Sep 2025 20:30	YP\AJ	Ok
25	Q3001-06	FE055650.D	03 Sep 2025 21:00	YP\AJ	Dilution
26	Q3003-01	FE055651.D	03 Sep 2025 21:31	YP\AJ	Ok
27	I.BLK	FE055652.D	03 Sep 2025 22:31	YP\AJ	Ok
28	20 PPM ALIPHATIC HC STD	FE055653.D	03 Sep 2025 23:02	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE090425AL

Review By	yogesh	Review On	9/4/2025 10:40:11 AM
Supervise By	mohammad	Supervise On	9/8/2025 4:38:30 AM
SubDirectory	FE090425AL	HP Acquire Method	HP Processing Method FE082925AL
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	FE055654.D	04 Sep 2025 07:42	YP\AJ	Ok
2	I.BLK	FE055655.D	04 Sep 2025 08:12	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE055656.D	04 Sep 2025 08:43	YP\AJ	Ok
4	Q3001-06DL	FE055657.D	04 Sep 2025 09:15	YP\AJ	Ok
5	I.BLK	FE055658.D	04 Sep 2025 10:37	YP\AJ	Ok
6	20 PPM ALIPHATIC HC STD	FE055659.D	04 Sep 2025 11:08	YP\AJ	Ok
7	PB169545BL	FE055660.D	04 Sep 2025 13:27	YP\AJ	Ok
8	PB169545BS	FE055661.D	04 Sep 2025 13:58	YP\AJ	Ok
9	PB169545BSD	FE055662.D	04 Sep 2025 14:28	YP\AJ	Ok,M
10	Q3011-03	FE055663.D	04 Sep 2025 14:59	YP\AJ	Ok,M
11	Q3011-04	FE055664.D	04 Sep 2025 15:29	YP\AJ	Ok,M
12	Q3011-05	FE055665.D	04 Sep 2025 16:00	YP\AJ	Ok
13	Q3011-05MS	FE055666.D	04 Sep 2025 16:31	YP\AJ	Ok,M
14	Q3011-05MSD	FE055667.D	04 Sep 2025 17:01	YP\AJ	Ok,M
15	Q3011-06	FE055668.D	04 Sep 2025 17:32	YP\AJ	Ok,M
16	Q3011-07	FE055669.D	04 Sep 2025 18:03	YP\AJ	Ok,M
17	Q3011-08	FE055670.D	04 Sep 2025 18:33	YP\AJ	Ok,M
18	Q3012-03	FE055671.D	04 Sep 2025 19:04	YP\AJ	Ok
19	Q3012-04	FE055672.D	04 Sep 2025 19:34	YP\AJ	Ok
20	Q3012-05	FE055673.D	04 Sep 2025 20:05	YP\AJ	Ok
21	Q3012-06	FE055674.D	04 Sep 2025 20:35	YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE090425AL

Review By	yogesh	Review On	9/4/2025 10:40:11 AM
Supervise By	mohammad	Supervise On	9/8/2025 4:38:30 AM
SubDirectory	FE090425AL	HP Acquire Method	HP Processing Method FE082925AL
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		

22	Q3012-07	FE055675.D	04 Sep 2025 21:06	YP\AJ	Ok
23	I.BLK	FE055676.D	04 Sep 2025 22:07	YP\AJ	Ok
24	20 PPM ALIPHATIC HC STD	FE055677.D	04 Sep 2025 22:37	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE082925AL

Review By	yogesh	Review On	8/29/2025 10:37:13 AM
Supervise By	mohammad	Supervise On	8/30/2025 12:45:13 AM
SubDirectory	FE082925AL	HP Acquire Method	HP Processing Method FE082925AL
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	FE055543.D	28 Aug 2025 08:33		YP\AJ	Ok
2	I.BLK	I.BLK	FE055544.D	28 Aug 2025 09:03		YP\AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FE055545.D	28 Aug 2025 09:34		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE055546.D	28 Aug 2025 10:04		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055547.D	28 Aug 2025 10:34		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE055548.D	28 Aug 2025 11:04		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE055549.D	28 Aug 2025 11:35		YP\AJ	Ok,M
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055550.D	28 Aug 2025 12:05		YP\AJ	Ok
9	I.BLK	I.BLK	FE055551.D	28 Aug 2025 12:35		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055552.D	28 Aug 2025 13:06		YP\AJ	Ok
11	Q2969-01	TR-05-08272025	FE055553.D	28 Aug 2025 14:35		YP\AJ	Ok
12	Q2969-02	TR-05-08272025-E2	FE055554.D	28 Aug 2025 15:05		YP\AJ	Ok
13	Q2970-01	TP10	FE055555.D	28 Aug 2025 15:36		YP\AJ	Ok
14	Q2970-07	TP11	FE055556.D	28 Aug 2025 16:06		YP\AJ	Ok
15	Q2970-13	TP12	FE055557.D	28 Aug 2025 16:36		YP\AJ	Ok
16	Q2970-19	TP9	FE055558.D	28 Aug 2025 17:07		YP\AJ	Ok,M
17	Q2970-25	TP6	FE055559.D	28 Aug 2025 17:37		YP\AJ	Ok
18	Q2970-31	TP3	FE055560.D	28 Aug 2025 18:08		YP\AJ	Ok,M

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE082925AL

Review By	yogesh	Review On	8/29/2025 10:37:13 AM
Supervise By	mohammad	Supervise On	8/30/2025 12:45:13 AM
SubDirectory	FE082925AL	HP Acquire Method	HP Processing Method FE082925AL
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	Q2970-32	TP3-A	FE055561.D	28 Aug 2025 18:38		YPIAJ	Ok
20	Q2970-33	TP3-B	FE055562.D	28 Aug 2025 19:09		YPIAJ	Ok
21	Q2970-34	TP3-C	FE055563.D	28 Aug 2025 19:39		YPIAJ	Ok
22	Q2970-35	TP3-D	FE055564.D	28 Aug 2025 20:10		YPIAJ	Ok
23	Q2971-01	TP2	FE055565.D	28 Aug 2025 20:40		YPIAJ	Ok
24	Q2971-07	TP1	FE055566.D	28 Aug 2025 21:10		YPIAJ	Ok
25	Q2971-13	TP5	FE055567.D	28 Aug 2025 21:41		YPIAJ	Ok
26	Q2971-19	TP8	FE055568.D	28 Aug 2025 22:11		YPIAJ	Ok
27	Q2971-25	TP7	FE055569.D	28 Aug 2025 22:41		YPIAJ	Ok
28	Q2971-31	TP4	FE055570.D	28 Aug 2025 23:12		YPIAJ	Ok
29	I.BLK	I.BLK	FE055571.D	29 Aug 2025 00:12		YPIAJ	Ok
30	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055572.D	29 Aug 2025 00:42		YPIAJ	Ok
31	PB169440BL	PB169440BL	FE055573.D	29 Aug 2025 01:43		YPIAJ	Ok
32	PB169440BS	PB169440BS	FE055574.D	29 Aug 2025 02:13		YPIAJ	Ok
33	PB169440BSD	PB169440BSD	FE055575.D	29 Aug 2025 02:43		YPIAJ	Ok
34	PB169430BL	PB169430BL	FE055576.D	29 Aug 2025 03:14		YPIAJ	Ok
35	PB169430BS	PB169430BS	FE055577.D	29 Aug 2025 03:44		YPIAJ	Ok
36	PB169430BSD	PB169430BSD	FE055578.D	29 Aug 2025 04:14		YPIAJ	Ok
37	Q2970-08	TP11-A	FE055579.D	29 Aug 2025 04:45		YPIAJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE082925AL

Review By	yogesh	Review On	8/29/2025 10:37:13 AM
Supervise By	mohammad	Supervise On	8/30/2025 12:45:13 AM
SubDirectory	FE082925AL	HP Acquire Method	HP Processing Method FE082925AL
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			

38	Q2970-08D	Q2970-08D	FE055580.D	29 Aug 2025 05:15		YP\AJ	Ok
39	Q2970-08MS	TP11-AMS	FE055581.D	29 Aug 2025 05:45	FE055579.D	YP\AJ	Ok
40	Q2970-08MSD	TP11-AMSD	FE055582.D	29 Aug 2025 06:15	FE055579.D!FE055581.D	YP\AJ	Ok
41	Q2970-09	TP11-B	FE055583.D	29 Aug 2025 06:45		YP\AJ	Ok
42	Q2970-23	TP9-D	FE055584.D	29 Aug 2025 07:16		YP\AJ	Ok
43	I.BLK	I.BLK	FE055585.D	29 Aug 2025 07:46		YP\AJ	Ok
44	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055586.D	29 Aug 2025 08:16		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE090325AL

Review By	yogesh	Review On	9/3/2025 11:16:06 AM
Supervise By	mohammad	Supervise On	9/5/2025 6:32:18 AM
SubDirectory	FE090325AL	HP Acquire Method	HP Processing Method FE082925AL

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24771 PP24769,PP24774

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE055626.D	03 Sep 2025 08:14		YP\AJ	Ok
2	I.BLK	I.BLK	FE055627.D	03 Sep 2025 08:45		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055628.D	03 Sep 2025 09:15		YP\AJ	Ok
4	Q2997-02	EO-01-082925-E2	FE055629.D	03 Sep 2025 09:50	Need 10X	YP\AJ	Dilution
5	Q2997-02DL	EO-01-082925-E2DL	FE055630.D	03 Sep 2025 10:21		YP\AJ	Ok
6	PB169491BL	PB169491BL	FE055631.D	03 Sep 2025 11:22		YP\AJ	Ok
7	PB169491BS	PB169491BS	FE055632.D	03 Sep 2025 11:52		YP\AJ	Ok
8	PB169491BSD	PB169491BSD	FE055633.D	03 Sep 2025 12:23		YP\AJ	Ok
9	PB169462BL	PB169462BL	FE055634.D	03 Sep 2025 12:53		YP\AJ	Ok
10	PB169462BS	PB169462BS	FE055635.D	03 Sep 2025 13:23		YP\AJ	Ok
11	PB169462BSD	PB169462BSD	FE055636.D	03 Sep 2025 13:54		YP\AJ	Ok
12	I.BLK	I.BLK	FE055637.D	03 Sep 2025 14:24		YP\AJ	Ok
13	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055638.D	03 Sep 2025 14:55		YP\AJ	Ok
14	PB169516BL	PB169516BL	FE055639.D	03 Sep 2025 15:25		YP\AJ	Ok
15	PB169516BS	PB169516BS	FE055640.D	03 Sep 2025 15:56		YP\AJ	Ok
16	PB169516BSD	PB169516BSD	FE055641.D	03 Sep 2025 16:26		YP\AJ	Ok
17	Q3001-01	S-1	FE055642.D	03 Sep 2025 16:57		YP\AJ	Ok
18	Q3001-01D	Q3001-01D	FE055643.D	03 Sep 2025 17:27		YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE090325AL

Review By	yogesh	Review On	9/3/2025 11:16:06 AM
Supervise By	mohammad	Supervise On	9/5/2025 6:32:18 AM
SubDirectory	FE090325AL	HP Acquire Method	HP Processing Method FE082925AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM	PP24769,PP24774		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q3001-01MS	S-1MS	FE055644.D	03 Sep 2025 17:58	FE055642.D	YPIAJ	Ok
20	Q3001-01MSD	S-1MSD	FE055645.D	03 Sep 2025 18:28	FE055642.D!FE055644.D	YPIAJ	Ok
21	Q3001-02	S-2	FE055646.D	03 Sep 2025 18:59		YPIAJ	Ok
22	Q3001-03	S-3	FE055647.D	03 Sep 2025 19:29		YPIAJ	Ok
23	Q3001-04	S-4	FE055648.D	03 Sep 2025 20:00		YPIAJ	Ok
24	Q3001-05	S-5	FE055649.D	03 Sep 2025 20:30		YPIAJ	Ok
25	Q3001-06	S-6	FE055650.D	03 Sep 2025 21:00	Need 2X	YPIAJ	Dilution
26	Q3003-01	VNJ-231	FE055651.D	03 Sep 2025 21:31		YPIAJ	Ok
27	I.BLK	I.BLK	FE055652.D	03 Sep 2025 22:31		YPIAJ	Ok
28	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055653.D	03 Sep 2025 23:02		YPIAJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE090425AL

Review By	yogesh	Review On	9/4/2025 10:40:11 AM
Supervise By	mohammad	Supervise On	9/8/2025 4:38:30 AM
SubDirectory	FE090425AL	HP Acquire Method	HP Processing Method FE082925AL
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	FE055654.D	04 Sep 2025 07:42		YP\AJ	Ok
2	I.BLK	I.BLK	FE055655.D	04 Sep 2025 08:12		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055656.D	04 Sep 2025 08:43		YP\AJ	Ok
4	Q3001-06DL	S-6DL	FE055657.D	04 Sep 2025 09:15		YP\AJ	Ok
5	I.BLK	I.BLK	FE055658.D	04 Sep 2025 10:37		YP\AJ	Ok
6	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055659.D	04 Sep 2025 11:08		YP\AJ	Ok
7	PB169545BL	PB169545BL	FE055660.D	04 Sep 2025 13:27		YP\AJ	Ok
8	PB169545BS	PB169545BS	FE055661.D	04 Sep 2025 13:58		YP\AJ	Ok
9	PB169545BSD	PB169545BSD	FE055662.D	04 Sep 2025 14:28		YP\AJ	Ok,M
10	Q3011-03	1	FE055663.D	04 Sep 2025 14:59		YP\AJ	Ok,M
11	Q3011-04	2	FE055664.D	04 Sep 2025 15:29		YP\AJ	Ok,M
12	Q3011-05	3	FE055665.D	04 Sep 2025 16:00		YP\AJ	Ok
13	Q3011-05MS	3MS	FE055666.D	04 Sep 2025 16:31	FE055665.D	YP\AJ	Ok,M
14	Q3011-05MSD	3MSD	FE055667.D	04 Sep 2025 17:01	FE055665.D\FE055666.D	YP\AJ	Ok,M
15	Q3011-06	4	FE055668.D	04 Sep 2025 17:32		YP\AJ	Ok,M
16	Q3011-07	5	FE055669.D	04 Sep 2025 18:03		YP\AJ	Ok,M
17	Q3011-08	6	FE055670.D	04 Sep 2025 18:33		YP\AJ	Ok,M
18	Q3012-03	1	FE055671.D	04 Sep 2025 19:04		YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE090425AL

Review By	yogesh	Review On	9/4/2025 10:40:11 AM
Supervise By	mohammad	Supervise On	9/8/2025 4:38:30 AM
SubDirectory	FE090425AL	HP Acquire Method	HP Processing Method FE082925AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM	PP24769,PP24774		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q3012-04	2	FE055672.D	04 Sep 2025 19:34		YP\AJ	Ok
20	Q3012-05	3	FE055673.D	04 Sep 2025 20:05		YP\AJ	Ok
21	Q3012-06	4	FE055674.D	04 Sep 2025 20:35		YP\AJ	Ok
22	Q3012-07	5	FE055675.D	04 Sep 2025 21:06		YP\AJ	Ok
23	I.BLK	I.BLK	FE055676.D	04 Sep 2025 22:07		YP\AJ	Ok
24	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055677.D	04 Sep 2025 22:37		YP\AJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 09/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:33
Out Date: 09/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137037

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
Q2999-01	HIH071C-1-1	8	1.00	1.00	2.00	2.00	100.0	PILC
Q2999-02	HIH071C-1-2	9	1.00	1.00	2.00	2.00	100.0	PILC
Q2999-03	HIH638W-1-1	10	1.00	1.00	2.00	2.00	100.0	PILC
Q2999-04	HIH638W-1-2	11	1.00	1.00	2.00	2.00	100.0	PILC
Q2999-05	HEH766W-1-1	12	1.00	1.00	2.00	2.00	100.0	PILC
Q2999-06	HEH766W-1-2	13	1.00	1.00	2.00	2.00	100.0	PILC
Q2999-07	HEH766W-2-1	14	1.00	1.00	2.00	2.00	100.0	PILC
Q2999-08	HEH766W-2-2	15	1.00	1.00	2.00	2.00	100.0	PILC
Q3001-01	S-1	1	1.15	10.07	11.22	10.59	93.7	
Q3001-02	S-2	2	1.19	10.47	11.66	11.1	94.7	
Q3001-03	S-3	3	1.19	10.27	11.46	10.85	94.1	
Q3001-04	S-4	4	1.18	10.00	11.18	10.19	90.1	
Q3001-05	S-5	5	1.19	10.43	11.62	10.7	91.2	
Q3001-06	S-6	6	1.18	10.29	11.47	10.56	91.2	
Q3001-06D	S-6DUP	7	1.14	10.36	11.5	10.6	91.3	
Q3002-01	FDH119M-1-1	16	1.00	1.00	2.00	2.00	100.0	PILC
Q3002-02	FDH119M-1-2	17	1.00	1.00	2.00	2.00	100.0	PILC
Q3002-03	BC271332-1-1	18	1.00	1.00	2.00	2.00	100.0	PILC
Q3002-04	BC271332-1-2	19	1.00	1.00	2.00	2.00	100.0	PILC
Q3003-01	VNJ-231	20	1.14	10.45	11.59	11.14	95.7	
Q3003-02	VNJ-231	21	1.15	10.38	11.53	11.01	95.0	
Q3004-02	Drum Speedy Dry/RAGS	22	1.16	10.64	11.8	10.95	92.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

134037

WorkList Name : %1-090225

WorkList ID : 191629

Department : Wet-Chemistry

Date : 09-02-2025 11:14:27

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2999-01	HIH071C-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J31	09/02/2025	Chemtech -SO
Q2999-02	HIH071C-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J31	09/02/2025	Chemtech -SO
Q2999-03	HIH638W-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J31	09/02/2025	Chemtech -SO
Q2999-04	HIH638W-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J31	09/02/2025	Chemtech -SO
Q2999-05	HEH766W-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J31	09/02/2025	Chemtech -SO
Q2999-06	HEH766W-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J31	09/02/2025	Chemtech -SO
Q2999-07	HEH766W-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J31	09/02/2025	Chemtech -SO
Q2999-08	HEH766W-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J31	09/02/2025	Chemtech -SO
Q3001-01	S-1	Solid	Percent Solids	Cool 4 deg C	EARTH03	J32	08/29/2025	Chemtech -SO
Q3001-02	S-2	Solid	Percent Solids	Cool 4 deg C	EARTH03	J32	08/29/2025	Chemtech -SO
Q3001-03	S-3	Solid	Percent Solids	Cool 4 deg C	EARTH03	J32	08/29/2025	Chemtech -SO
Q3001-04	S-4	Solid	Percent Solids	Cool 4 deg C	EARTH03	J32	08/29/2025	Chemtech -SO
Q3001-05	S-5	Solid	Percent Solids	Cool 4 deg C	EARTH03	J32	08/29/2025	Chemtech -SO
Q3001-06	S-6	Solid	Percent Solids	Cool 4 deg C	EARTH03	J32	08/29/2025	Chemtech -SO
Q3002-01	FDH119M-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J11	09/02/2025	Chemtech -SO
Q3002-02	FDH119M-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J11	09/02/2025	Chemtech -SO
Q3002-03	BC271332-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J11	09/02/2025	Chemtech -SO
Q3002-04	BC271332-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J11	09/02/2025	Chemtech -SO
Q3003-01	VNJ-231	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/02/2025	Chemtech -SO
Q3003-02	VNJ-231	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/02/2025	Chemtech -SO
Q3004-02	Drum Speedy Dry/RAGS	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	09/02/2025	Chemtech -SO

Date/Time 09/02/25 14:40

Raw Sample Received by: JDCSM

Raw Sample Relinquished by: JDCSM

Date/Time 09/02/25

Raw Sample Received by: JDCSM

Raw Sample Relinquished by: JDCSM

SOP ID: MNJDEP-EPH-8

Clean Up SOP #: N/A **Extraction Start Date :** 09/03/2025

Matrix : Solid **Extraction Start Time :** 08:39

Weigh By: EH **Extraction By:** RJ **Extraction End Date :** 09/03/2025

Balance check: RJ **Filter By:** RJ **Extraction End Time :** 12:45

Balance ID: EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: N/A **Hood ID:** 3,7 **Supervisor By :** RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24767
Surrogate	1.0ML	100 PPM	PP24866
Fractionation Surrogate	1.0ML	100 PPM	PP24801
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	EP2626
Baked Na2SO4	N/A	EP2636
Sand	N/A	E3951
Hexane	N/A	E3966
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:

N/A

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
9/3/25	RS (Ext Lab)	RS (Ext Lab)
12:50	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-8

Concentration Date: 09/03/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169516BL	PB169516BL	EPH_NF	30.01	N/A	ritesh	Evelyn	2			U3-1
PB169516BS	PB169516BS	EPH_NF	30.03	N/A	ritesh	Evelyn	2			2
PB169516BSD	PB169516BSD	EPH_NF	30.01	N/A	ritesh	Evelyn	2			3
Q3001-01	S-1	EPH_NF	30.04	N/A	ritesh	Evelyn	2			4
Q3001-01DUP	S-1DUP	EPH_NF	30.02	N/A	ritesh	Evelyn	2			5
Q3001-01MS	S-1MS	EPH_NF	30.08	N/A	ritesh	Evelyn	2			6
Q3001-01MSD	S-1MSD	EPH_NF	30.10	N/A	ritesh	Evelyn	2			U6-1
Q3001-02	S-2	EPH_NF	30.06	N/A	ritesh	Evelyn	2			2
Q3001-03	S-3	EPH_NF	30.03	N/A	ritesh	Evelyn	2			3
Q3001-04	S-4	EPH_NF	30.09	N/A	ritesh	Evelyn	2			4
Q3001-05	S-5	EPH_NF	30.07	N/A	ritesh	Evelyn	2			5
Q3001-06	S-6	EPH_NF	30.04	N/A	ritesh	Evelyn	2			6
Q3003-01	VNJ-231	EPH_NF	30.05	N/A	ritesh	Evelyn	2	E		U1-1

* Extracts relinquished on the same date as received.

Rs
9/3

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3001 WorkList ID : 191641 Department : Extraction Date : 09-03-2025 08:34:02

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3001-01	S-1	Solid	EPH_NF	Cool 4 deg C	EARTH03	J32	08/29/2025	NJEPH
Q3001-02	S-2	Solid	EPH_NF	Cool 4 deg C	EARTH03	J32	08/29/2025	NJEPH
Q3001-03	S-3	Solid	EPH_NF	Cool 4 deg C	EARTH03	J32	08/29/2025	NJEPH
Q3001-04	S-4	Solid	EPH_NF	Cool 4 deg C	EARTH03	J32	08/29/2025	NJEPH
Q3001-05	S-5	Solid	EPH_NF	Cool 4 deg C	EARTH03	J32	08/29/2025	NJEPH
Q3001-06	S-6	Solid	EPH_NF	Cool 4 deg C	EARTH03	J32	08/29/2025	NJEPH
Q3003-01	VNU-231	Solid	EPH_NF	Cool 4 deg C	PSEG03	J32	09/02/2025	NJEPH

Date/Time 09/03/25 8:34
 Raw Sample Received by: RS CFA-1261
 Raw Sample Relinquished by: CP SM

Date/Time 09/03/25 8:50
 Raw Sample Received by: CP SM
 Raw Sample Relinquished by: RS CFA-1261



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 Fax: (908) 788-9222

www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q 3001

COC Number:

CLIENT INFORMATION

COMPANY: Earth Engineering Inc

ADDRESS: 403 Commerce Lane

CITY: West Berlin STATE: NJ ZIP: 08091

ATTENTION: Frank Dougherty

PHONE: 856-768-1001

FAX:

PROJECT INFORMATION

PROJECT NAME: Meetinghouse

PROJECT #:38734.J0 LOCATION: NJ

PROJECT MANAGER: Frank Dougherty

E-MAIL: frankd@earthengineering.com

PHONE:

FAX:

BILLING INFORMATION

BILL TO: SAME

PO#

ADDRESS:

CITY:

STATE: ZIP:

ATTENTION:

PHONE:

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*

HARD COPY: DAYS*

EDD DAYS*

* TO BE APPROVED BY ALLIANCE

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY☐ USEPA CLP☒ RESULTS + QC☐ New York State ASP "B"☒ New Jersey REDUCED☐ New York State ASP "A"☒ New Jersey CLP☐ Other☒ EDD Format

ANALYSIS

EPH									
1	2	3	4	5	6	7	8	9	

PRESERVATIVES

COMMENTS

<- Specify Preservatives

A-HCl B-HNO3

C-H2SO4 D-NaOH

E-ICE F-Other

CHEMTECH 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.	S-1	S-1		X	8/28/05	3:10	1	X									
2.	S-2			X		3:20	1	X									
3.	S-3			X		3:30	1	X									
4.	S-4			X		3:40	1	X									
5.	S-5			X		3:50	1	X									
6.	S-6			X		4:00	1	X									
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp <u>3-5°C</u> MeOH extraction requires an additional 4oz. Jar for percent solid Comments: <u>EPH- Category 1</u>			
1. <u>[Signature]</u>	<u>9/6/25</u> ¹³²²	1. <u>[Signature]</u>				
RELINQUISHED BY	DATE/TIME	RECEIVED BY				
2.		2.				
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY	Page <u>1</u> of <u>1</u>		SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight	<u>Shipment Complete</u> ☐ YES ☐ NO
3.		3.				

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY

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