

Cover Page

Order ID : Q3012

Project ID : 29-35 Frelinghuysen Ave, Newark

Client : Sciacca General Contractors, LLC

Lab Sample Number

Q3012-01
Q3012-02
Q3012-03
Q3012-04
Q3012-05
Q3012-06
Q3012-07

Client Sample Number

WASTE
VOC
1
2
3
4
5

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

Signature : _____

Date: 9/6/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3012

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 09/06/2025

LAB CHRONICLE

OrderID:	Q3012	OrderDate:	9/3/2025 3:58:00 PM
Client:	Sciacca General Contractors, LLC	Project:	29-35 Frelinghuysen Ave, Newark
Contact:	Rosanne Scirica	Location:	J42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3012-03	1	Solid	EPH_F2	NJEPH	09/03/25	09/04/25	09/04/25	09/03/25
Q3012-04	2	Solid	EPH_F2	NJEPH	09/03/25	09/04/25	09/04/25	09/03/25
Q3012-05	3	Solid	EPH_F2	NJEPH	09/03/25	09/04/25	09/04/25	09/03/25
Q3012-06	4	Solid	EPH_F2	NJEPH	09/03/25	09/04/25	09/04/25	09/03/25
Q3012-07	5	Solid	EPH_F2	NJEPH	09/03/25	09/04/25	09/04/25	09/03/25



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: SCIA01
Lab Code: ACE SDG No.: Q3012
Run Number: FE090425AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB169545BL	74	77		0
PB169545BS	67	65		0
PB169545BSD	68	67		0
3MS	67	65		0
3MSD	69	66		0
1	58	57		0
2	58	58		0
3	56	55		0
4	55	54		0
5	50	50		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_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Sciacca General Contractors, LLC</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3012</u>
Sample No :	<u>Q3011-05MS</u>	Datafile:	<u>FE055666.D</u>
		Client ID :	<u>3MS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	32.3	4.56	32.8	88		(40-140)
Aliphatic C9-C28	107.6	3.29	93.3	84		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	3.6	0.0113	3.0904	86		(40-140)
n-Decane (C10)	3.6	0.0113	6.7482	187	*	(40-140)
Naphthalene (C11.7)	3.6	0.0226	3.4183	94		(40-140)
n-Dodecane (C12)	3.6	0.0159	3.3717	93		(40-140)
2-methylnaphthalene (C12.89)	3.6	0.0100	3.2916	91		(40-140)
n-Tetradecane (C14)	3.6	0.0218	3.4933	96		(40-140)
n-Hexadecane (C16)	3.6	0.0192	3.5084	97		(40-140)
n-Octadecane (C18)	3.6	0.0208	3.3390	92		(40-140)
n-Eicosane (C20)	3.6	0.0178	3.4249	95		(40-140)
n-Heneicosane (C21)	3.6	0.0220	3.2568	90		(40-140)
n-Docosane (C22)	3.6	0.0196	3.1624	87		(40-140)
n-Tetracosane (C24)	7.2	0.0876	9.2307	127		(40-140)
n-Hexacosane (C26)	3.6	0.0256	2.9677	82		(40-140)
n-Octacosane (C28)	3.6	0.1430	3.0503	81		(40-140)
n-Tricontane (C30)	3.6	0.1198	2.9244	78		(40-140)
n-Dotriacontane (C32)	3.6	0.1296	3.1676	84		(40-140)
n-Tetratriacontane (C34)	3.6	0.0948	3.2410	87		(40-140)
n-Hexatriacontane (C36)	3.6	0.2598	3.6685	95		(40-140)
n-Octatriacontane (C38)	3.6	0.2416	3.8776	101		(40-140)
n-Tetracontane (C40)	3.6	0.0500	3.5264	97		(40-140)

SOLID EPH_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Sciacca General Contractors, LLC</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3012</u>
Sample No :	<u>Q3011-05MSD</u>	Datafile:	<u>FE055667.D</u>
		Client ID :	<u>3MSD</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	32.3	4.56	34.6	93		5.99 (40-140) 50
Aliphatic C9-C28	107.7	3.29	97.6	88		4.6 (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)	3.6	0.0113	3.2575	90		4.55 (40-140) 50
n-Decane (C10)	3.6	0.0113	7.1026	197	*	5.21 (40-140) 50
Naphthalene (C11.7)	3.6	0.0226	3.5956	99		5.18 (40-140) 50
n-Dodecane (C12)	3.6	0.0159	3.5559	98		5.24 (40-140) 50
2-methylnaphthalene (C12.89)	3.6	0.0100	3.4710	96		5.35 (40-140) 50
n-Tetradecane (C14)	3.6	0.0218	3.6910	102		6.06 (40-140) 50
n-Hexadecane (C16)	3.6	0.0192	3.7047	102		5.03 (40-140) 50
n-Octadecane (C18)	3.6	0.0208	3.5299	97		5.29 (40-140) 50
n-Eicosane (C20)	3.6	0.0178	3.6134	100		5.13 (40-140) 50
n-Heneicosane (C21)	3.6	0.0220	3.4333	95		5.41 (40-140) 50
n-Docosane (C22)	3.6	0.0196	3.3536	93		6.67 (40-140) 50
n-Tetracosane (C24)	7.2	0.0876	9.9157	137		7.58 (40-140) 50
n-Hexacosane (C26)	3.6	0.0256	3.1587	87		5.92 (40-140) 50
n-Octacosane (C28)	3.6	0.1430	3.2644	87		7.14 (40-140) 50
n-Tricontane (C30)	3.6	0.1198	3.1286	84		7.41 (40-140) 50
n-Dotriacontane (C32)	3.6	0.1296	3.3867	90		6.9 (40-140) 50
n-Tetratriacontane (C34)	3.6	0.0948	3.4521	93		6.67 (40-140) 50
n-Hexatriacontane (C36)	3.6	0.2598	3.8108	99		4.12 (40-140) 50
n-Octatriacontane (C38)	3.6	0.2416	3.9857	104		2.93 (40-140) 50
n-Tetracontane (C40)	3.6	0.0500	3.6928	101		4.04 (40-140) 50

SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Sciacca General Contractors, LLC</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3012</u>
Sample No :	<u>PB169545BS</u>	Datafile:	<u>FE055661.D</u>
		Client ID :	<u>PB169545BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	30.0	18.5	62		(40-140)
Aliphatic C9-C28	100.1	61.3	62		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	2.13068	65		(40-140)
n-Decane (C10)	3.3	2.20838	67		(40-140)
Naphthalene (C11.7)	3.3	2.20217	67		(40-140)
n-Dodecane (C12)	3.3	2.23151	68		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.09227	63		(40-140)
n-Tetradecane (C14)	3.3	2.29880	70		(40-140)
n-Hexadecane (C16)	3.3	2.29146	69		(40-140)
n-Octadecane (C18)	3.3	2.20512	67		(40-140)
n-Eicosane (C20)	3.3	2.29392	70		(40-140)
n-Heneicosane (C21)	3.3	2.20633	67		(40-140)
n-Docosane (C22)	3.3	2.17333	66		(40-140)
n-Tetracosane (C24)	6.7	4.43135	66		(40-140)
n-Hexacosane (C26)	3.3	2.14733	65		(40-140)
n-Octacosane (C28)	3.3	2.19047	66		(40-140)
n-Tricontane (C30)	3.3	2.08035	63		(40-140)
n-Dotriacontane (C32)	3.3	2.06090	62		(40-140)
n-Tetratriacontane (C34)	3.3	2.21789	67		(40-140)
n-Hexatriacontane (C36)	3.3	2.37369	72		(40-140)
n-Octatriacontane (C38)	3.3	2.46603	75		(40-140)
n-Tetracontane (C40)	3.3	2.37129	72		(40-140)

SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Sciacca General Contractors, LLC</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3012</u>
Sample No :	<u>PB169545BSD</u>	Datafile:	<u>FE055662.D</u>
		Client ID :	<u>PB169545BSD</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	20.6	69		10 (40-140)	25
Aliphatic C9-C28	99.9	63.0	64		2.7 (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	2.17389	66		1.53 (40-140)	25
n-Decane (C10)	3.3	2.26213	69		2.94 (40-140)	25
Naphthalene (C11.7)	3.3	2.26950	69		2.94 (40-140)	25
n-Dodecane (C12)	3.3	2.31482	70		2.9 (40-140)	25
2-methylnaphthalene (C12.89)	3.3	2.15400	65		3.13 (40-140)	25
n-Tetradecane (C14)	3.3	2.36875	72		2.82 (40-140)	25
n-Hexadecane (C16)	3.3	2.36224	72		4.26 (40-140)	25
n-Octadecane (C18)	3.3	2.25891	68		1.48 (40-140)	25
n-Eicosane (C20)	3.3	2.34152	71		1.42 (40-140)	25
n-Heneicosane (C21)	3.3	2.24467	68		1.48 (40-140)	25
n-Docosane (C22)	3.3	2.20540	67		1.5 (40-140)	25
n-Tetracosane (C24)	6.7	4.50637	67		1.5 (40-140)	25
n-Hexacosane (C26)	3.3	2.15090	65		0 (40-140)	25
n-Octacosane (C28)	3.3	2.20688	67		1.5 (40-140)	25
n-Tricontane (C30)	3.3	2.16120	65		3.13 (40-140)	25
n-Dotriacontane (C32)	3.3	2.20157	67		7.75 (40-140)	25
n-Tetratriacontane (C34)	3.3	2.36775	72		7.19 (40-140)	25
n-Hexatriacontane (C36)	3.3	2.52840	77		6.71 (40-140)	25
n-Octatriacontane (C38)	3.3	2.62160	79		5.19 (40-140)	25
n-Tetracontane (C40)	3.3	2.51537	76		5.41 (40-140)	25

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB169545BL

Lab Name: Alliance

Contract: SCIA01

Lab Code: ACE

SDG NO.: Q3012

Instrument ID: FID_E

Lab Sample ID: PB169545BL

Matrix: (soil/water) Solid

Date Extracted: 9/4/2025 9:05:00 AM

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB169545BS	PB169545BS
PB169545BSD	PB169545BSD
3MS	Q3011-05MS
3MSD	Q3011-05MSD
1	Q3012-03
2	Q3012-04
3	Q3012-05
4	Q3012-06
5	Q3012-07

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	09/03/25
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	09/03/25
Client Sample ID:	1	SDG No.:	Q3012
Lab Sample ID:	Q3012-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/04/25 09:05	09/04/25 19:04	PB169545

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	3.14	J	1	0.96	4.24	mg/kg	FE055671.D
Total EPH	Total EPH	3.14	J		0.96	4.24	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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:	Sciacca General Contractors, LLC	Date Collected:	09/03/25
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	09/03/25
Client Sample ID:	1	SDG No.:	Q3012
Lab Sample ID:	Q3012-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055671.D	1	09/04/25	09/04/25	PB169545

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.14	J	0.96	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.64		1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.2		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.6		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3012-03	Acq On:	04 Sep 2025 19:04
Client Sample ID:	1	Operator:	YP\AJ
Data file:	FE055671.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	3.312	6.946	371346	2.892	300	ug/ml
Aliphatic C12-C16	6.947	10.398	1156946	8.564	200	ug/ml
Aliphatic C16-C21	10.399	13.777	1949208	13.516	300	ug/ml
Aliphatic C21-C28	13.778	17.448	2804495	19.58	400	ug/ml
Aliphatic C28-C40	17.449	22.463	10998670	79.863	600	ug/ml
Aliphatic EPH	3.312	22.463	17280665	124.414		ug/ml
ortho-Terphenyl (SURR)	12.074	12.074	4701325	28.62		ug/ml
1-chlorooctadecane (SURR)	13.510	13.510	3649404	29.18		ug/ml
Aliphatic C9-C28	3.312	17.448	6281995	44.552	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055671.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 19:04
 Operator : YP\AJ
 Sample : Q3012-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 1

Integration File: autoint1.e
 Quant Time: Sep 05 01:28:58 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	4701325	28.617 ug/ml
Spiked Amount 50.000		Recovery =	57.23%
12) S 1-chlorooctadecane (S...	13.510	3649404	29.185 ug/ml
Spiked Amount 50.000		Recovery =	58.37%

Target Compounds

(f)=RT Delta > 1/2 Window

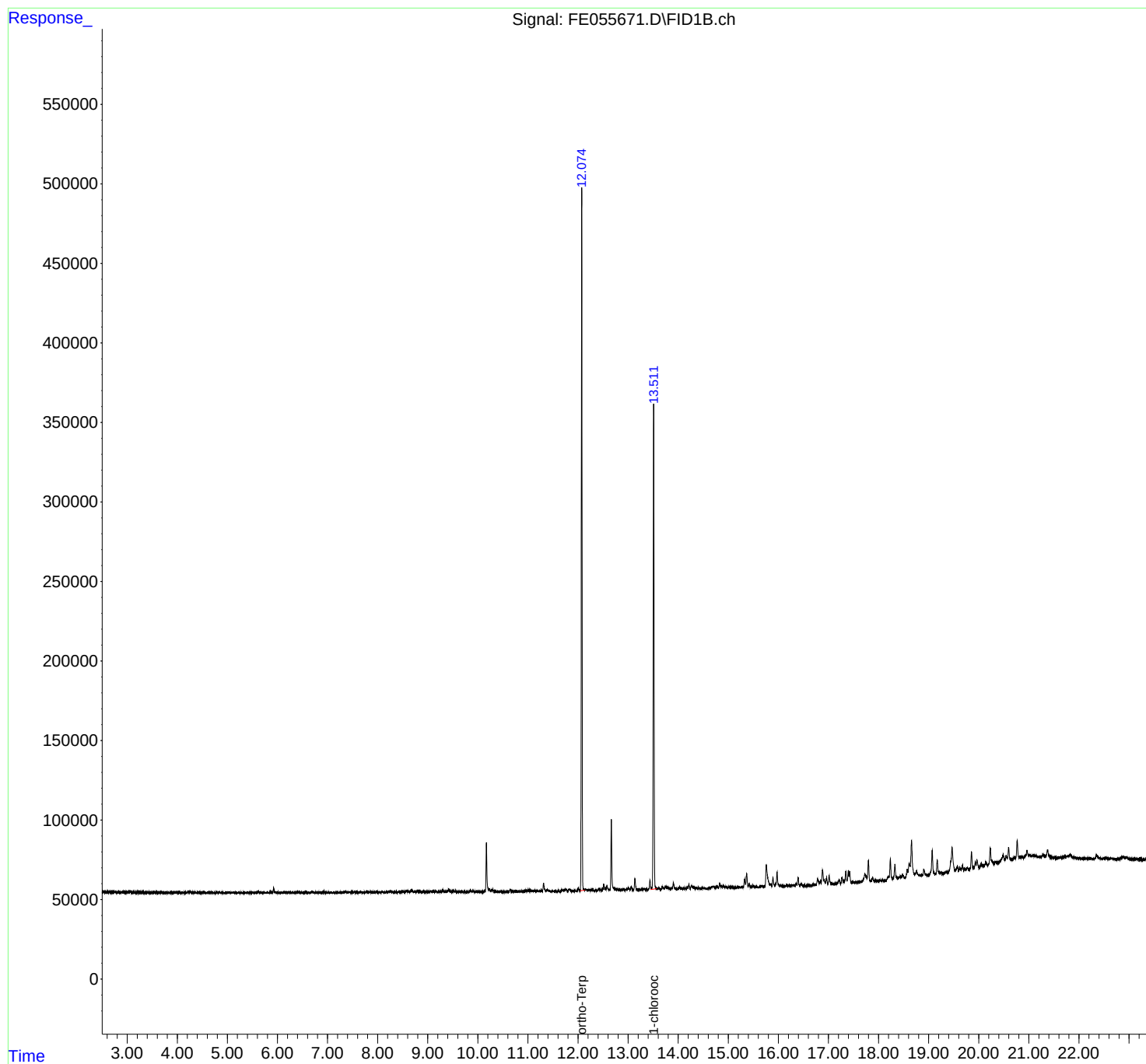
(m)=manual int.

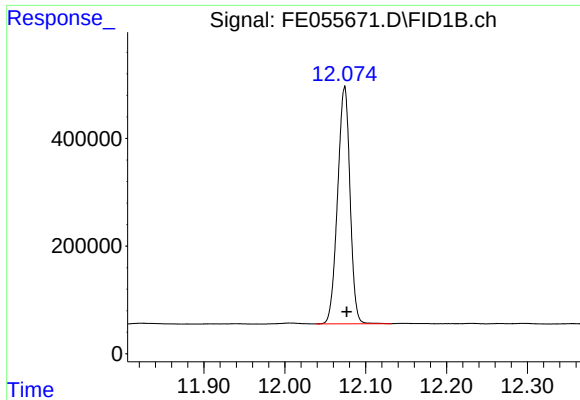
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
Data File : FE055671.D
Signal(s) : FID1B.ch
Acq On : 04 Sep 2025 19:04
Operator : YP\AJ
Sample : Q3012-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
1

Integration File: autoint1.e
Quant Time: Sep 05 01:28:58 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

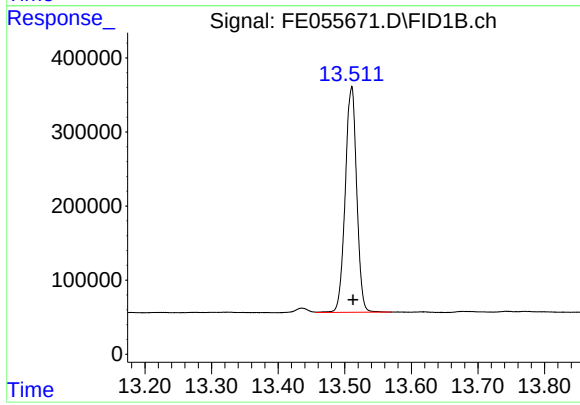




#9 ortho-Terphenyl (SURR)

R.T.: 12.074 min
Delta R.T.: -0.003 min
Response: 4701325
Conc: 28.62 ug/ml

Instrument :
FID_E
ClientSampleId :
1



#12 1-chlorooctadecane (SURR)

R.T.: 13.510 min
Delta R.T.: -0.003 min
Response: 3649404
Conc: 29.18 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055671.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 19:04
 Sample : Q3012-03
 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	2.979	2.854	2.988	BV	122	2237	0.05%	0.009%
2	2.995	2.988	3.012	VV	131	1289	0.03%	0.005%
3	3.029	3.012	3.036	VV	251	2864	0.06%	0.011%
4	3.047	3.036	3.092	VV	299	6825	0.14%	0.027%
5	3.101	3.092	3.124	VV	222	2558	0.05%	0.010%
6	3.127	3.124	3.144	VV	157	1072	0.02%	0.004%
7	3.155	3.144	3.183	PV	195	2948	0.06%	0.011%
8	3.193	3.183	3.245	VV	128	3296	0.07%	0.013%
9	3.295	3.245	3.308	PV	243	3759	0.08%	0.015%
10	3.320	3.308	3.358	VV	141	3396	0.07%	0.013%
11	3.371	3.358	3.387	VV	99	1170	0.02%	0.005%
12	3.408	3.387	3.422	VV	179	2519	0.05%	0.010%
13	3.427	3.422	3.462	VV	168	2281	0.05%	0.009%
14	3.472	3.462	3.521	VV	76	1267	0.03%	0.005%
15	3.545	3.521	3.571	VV	103	1995	0.04%	0.008%
16	3.594	3.571	3.604	VV	194	2578	0.05%	0.010%
17	3.624	3.604	3.632	VV	157	2000	0.04%	0.008%
18	3.639	3.632	3.672	VV	127	2148	0.05%	0.008%
19	3.683	3.672	3.702	VV	85	1136	0.02%	0.004%
20	3.745	3.702	3.757	VV	115	2122	0.04%	0.008%
21	3.776	3.757	3.786	VV	133	1537	0.03%	0.006%
22	3.875	3.786	3.906	VV	160	5368	0.11%	0.021%
23	3.916	3.906	3.928	VV	96	867	0.02%	0.003%
24	3.955	3.928	3.968	VV	119	1937	0.04%	0.008%
25	3.972	3.968	3.978	VV	132	578	0.01%	0.002%
26	4.035	3.978	4.074	VV	168	6000	0.13%	0.023%
27	4.135	4.074	4.190	PV	154	5195	0.11%	0.020%
28	4.208	4.190	4.231	VV	752	9463	0.20%	0.037%
29	4.250	4.231	4.301	VV	700	15237	0.32%	0.059%
30	4.313	4.301	4.360	VV	302	6426	0.14%	0.025%
31	4.402	4.360	4.462	VV	300	10488	0.22%	0.041%
32	4.514	4.462	4.537	VV	261	6263	0.13%	0.024%
33	4.568	4.537	4.588	VV	219	4758	0.10%	0.019%
34	4.596	4.588	4.606	VV	165	1646	0.03%	0.006%
35	4.620	4.606	4.635	VV	224	2237	0.05%	0.009%
36	4.671	4.635	4.746	VV	410	10325	0.22%	0.040%

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37	4.754	4.746	4.798	VV	103	2696	0.06%	0.010%
38	4.843	4.798	4.881	VV	423	8244	0.17%	0.032%
39	4.903	4.881	4.951	VV	216	5888	0.12%	0.023%
40	4.954	4.951	4.978	VV	181	1680	0.04%	0.007%
41	4.984	4.978	5.011	VV	156	2361	0.05%	0.009%
42	5.061	5.011	5.131	VV	253	11224	0.24%	0.044%
43	5.141	5.131	5.170	VV	149	2343	0.05%	0.009%
44	5.182	5.170	5.248	VV	131	4569	0.10%	0.018%
45	5.259	5.248	5.308	VV	92	2220	0.05%	0.009%
46	5.331	5.308	5.360	VV	228	3644	0.08%	0.014%
47	5.382	5.360	5.411	PV	222	4458	0.09%	0.017%
48	5.442	5.411	5.548	VV	204	9582	0.20%	0.037%
49	5.619	5.548	5.728	VV	1141	22059	0.47%	0.086%
50	5.735	5.728	5.744	VV	89	762	0.02%	0.003%
51	5.755	5.744	5.794	VV	114	2270	0.05%	0.009%
52	5.812	5.794	5.832	VV	215	3056	0.06%	0.012%
53	5.855	5.832	5.903	VV	627	12650	0.27%	0.049%
54	5.923	5.903	5.998	VV	3072	43058	0.91%	0.167%
55	6.004	5.998	6.039	VV	239	4036	0.09%	0.016%
56	6.061	6.039	6.111	VV	247	6622	0.14%	0.026%
57	6.133	6.111	6.162	VV	345	5781	0.12%	0.022%
58	6.184	6.162	6.234	VV	361	6605	0.14%	0.026%
59	6.246	6.234	6.291	VV	178	4589	0.10%	0.018%
60	6.307	6.291	6.341	VV	219	3927	0.08%	0.015%
61	6.355	6.341	6.367	VV	259	2778	0.06%	0.011%
62	6.389	6.367	6.432	VV	548	12761	0.27%	0.050%
63	6.441	6.432	6.462	VV	252	3399	0.07%	0.013%
64	6.478	6.462	6.515	VV	192	4561	0.10%	0.018%
65	6.526	6.515	6.530	VV	139	1154	0.02%	0.004%
66	6.553	6.530	6.613	VV	412	9285	0.20%	0.036%
67	6.651	6.613	6.664	VV	215	4188	0.09%	0.016%
68	6.686	6.664	6.728	VV	811	13645	0.29%	0.053%
69	6.734	6.728	6.812	VV	208	7943	0.17%	0.031%
70	6.846	6.812	6.873	VV	331	7561	0.16%	0.029%
71	6.888	6.873	6.904	VV	244	3081	0.07%	0.012%
72	6.926	6.904	6.984	VV	810	15729	0.33%	0.061%
73	6.998	6.984	7.028	VV	266	3928	0.08%	0.015%
74	7.044	7.028	7.065	VV	175	1601	0.03%	0.006%
75	7.078	7.065	7.093	VV	111	949	0.02%	0.004%
76	7.133	7.093	7.156	PV	168	2846	0.06%	0.011%
77	7.182	7.156	7.236	VV	142	2861	0.06%	0.011%
78	7.248	7.236	7.277	VV	119	2541	0.05%	0.010%
79	7.332	7.277	7.369	VV	598	15256	0.32%	0.059%
80	7.387	7.369	7.412	VV	395	7893	0.17%	0.031%
81	7.424	7.412	7.471	VV	309	7833	0.17%	0.030%
82	7.493	7.471	7.510	VV	344	5544	0.12%	0.022%
83	7.526	7.510	7.553	VV	422	6877	0.15%	0.027%
84	7.568	7.553	7.608	VV	590	7751	0.16%	0.030%
85	7.667	7.608	7.711	VV	386	14036	0.30%	0.055%
86	7.718	7.711	7.741	VV	265	4115	0.09%	0.016%
87	7.796	7.741	7.838	VV	440	16340	0.35%	0.064%
88	7.857	7.838	7.884	VV	307	5860	0.12%	0.023%
89	7.889	7.884	7.896	VV	196	1151	0.02%	0.004%

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90	7.928	7.896	7.948	VV	280	6415	0.14%	0.025%
91	7.955	7.948	8.003	VV	276	7095	0.15%	0.028%
92	8.028	8.003	8.045	VV	265	4609	0.10%	0.018%
93	8.089	8.045	8.120	VV	569	11677	0.25%	0.045%
94	8.139	8.120	8.170	VV	200	5640	0.12%	0.022%
95	8.258	8.170	8.364	VV	996	46193	0.98%	0.180%
96	8.372	8.364	8.382	VV	325	2759	0.06%	0.011%
97	8.419	8.382	8.475	VV	509	17939	0.38%	0.070%
98	8.499	8.475	8.538	VV	444	12658	0.27%	0.049%
99	8.578	8.538	8.598	VV	692	18933	0.40%	0.074%
100	8.613	8.598	8.628	VV	663	9954	0.21%	0.039%
101	8.682	8.628	8.744	VV	1363	47450	1.00%	0.185%
102	8.759	8.744	8.778	VV	377	6532	0.14%	0.025%
103	8.802	8.778	8.868	VV	1107	29420	0.62%	0.114%
104	8.877	8.868	8.892	VV	353	4159	0.09%	0.016%
105	8.914	8.892	8.947	VV	575	10894	0.23%	0.042%
106	9.015	8.947	9.031	VV	386	12550	0.27%	0.049%
107	9.057	9.031	9.082	VV	666	15281	0.32%	0.059%
108	9.092	9.082	9.100	VV	512	5085	0.11%	0.020%
109	9.119	9.100	9.140	VV	549	11276	0.24%	0.044%
110	9.162	9.140	9.182	VV	702	14002	0.30%	0.054%
111	9.190	9.182	9.200	VV	502	4887	0.10%	0.019%
112	9.223	9.200	9.251	VV	581	13652	0.29%	0.053%
113	9.297	9.251	9.361	VV	1696	39340	0.83%	0.153%
114	9.418	9.361	9.481	VV	1654	55675	1.18%	0.217%
115	9.513	9.481	9.534	VV	1091	21862	0.46%	0.085%
116	9.550	9.534	9.634	VV	598	22991	0.49%	0.089%
117	9.671	9.634	9.686	VV	410	9881	0.21%	0.038%
118	9.697	9.686	9.724	VV	445	7178	0.15%	0.028%
119	9.754	9.724	9.772	VV	348	7189	0.15%	0.028%
120	9.806	9.772	9.823	VV	320	7497	0.16%	0.029%
121	9.844	9.823	9.876	VV	1017	21065	0.45%	0.082%
122	9.897	9.876	9.951	VV	822	23222	0.49%	0.090%
123	9.970	9.951	10.000	VV	459	11094	0.23%	0.043%
124	10.014	10.000	10.028	VV	367	4731	0.10%	0.018%
125	10.040	10.028	10.064	VV	358	5497	0.12%	0.021%
126	10.073	10.064	10.098	VV	310	4597	0.10%	0.018%
127	10.133	10.098	10.144	VV	664	11102	0.23%	0.043%
128	10.171	10.144	10.274	VV	30918	437292	9.25%	1.700%
129	10.296	10.274	10.334	VV	1490	31262	0.66%	0.122%
130	10.342	10.334	10.378	VV	480	9029	0.19%	0.035%
131	10.402	10.378	10.438	VV	518	12089	0.26%	0.047%
132	10.467	10.438	10.505	VV	360	8893	0.19%	0.035%
133	10.602	10.505	10.618	PV	351	10454	0.22%	0.041%
134	10.646	10.618	10.671	VV	1881	25725	0.54%	0.100%
135	10.692	10.671	10.708	VV	522	8780	0.19%	0.034%
136	10.737	10.708	10.767	VV	924	17830	0.38%	0.069%
137	10.780	10.767	10.807	VV	403	7606	0.16%	0.030%
138	10.833	10.807	10.867	VV	429	10291	0.22%	0.040%
139	10.964	10.867	10.978	VV	908	33395	0.71%	0.130%
140	10.995	10.978	11.016	VV	1321	20434	0.43%	0.079%
141	11.040	11.016	11.055	VV	1333	21974	0.46%	0.085%

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142	11.067	11.055	11.091	VV	1048	16273	0.34%	0.063%
143	11.109	11.091	11.130	VV	583	12052	0.25%	0.047%
144	11.146	11.130	11.158	VV	610	8996	0.19%	0.035%
145	11.174	11.158	11.214	VV	621	18092	0.38%	0.070%
146	11.263	11.214	11.283	VV	911	20736	0.44%	0.081%
147	11.313	11.283	11.364	VV	5385	95837	2.03%	0.373%
148	11.385	11.364	11.452	VV	1479	37436	0.79%	0.146%
149	11.478	11.452	11.534	VV	409	13539	0.29%	0.053%
150	11.552	11.534	11.582	VV	248	4968	0.11%	0.019%
151	11.607	11.582	11.648	PV	638	13332	0.28%	0.052%
152	11.677	11.648	11.701	VV	1241	21231	0.45%	0.083%
153	11.718	11.701	11.731	VV	1006	13830	0.29%	0.054%
154	11.763	11.731	11.800	VV	1453	37158	0.79%	0.144%
155	11.823	11.800	11.887	VV	1622	36524	0.77%	0.142%
156	11.908	11.887	11.922	VV	423	5142	0.11%	0.020%
157	11.940	11.922	11.974	VV	712	10492	0.22%	0.041%
158	12.006	11.974	12.041	VV	1889	35745	0.76%	0.139%
159	12.074	12.041	12.131	VV	442922	4728232	100.00%	18.386%
160	12.147	12.131	12.191	VV	1223	30597	0.65%	0.119%
161	12.231	12.191	12.249	VV	1129	24468	0.52%	0.095%
162	12.265	12.249	12.278	VV	850	10982	0.23%	0.043%
163	12.295	12.278	12.328	VV	1128	16246	0.34%	0.063%
164	12.356	12.328	12.385	PV	631	9231	0.20%	0.036%
165	12.415	12.385	12.461	VV	1339	32917	0.70%	0.128%
166	12.513	12.461	12.556	VV	4135	92692	1.96%	0.360%
167	12.576	12.556	12.634	VV	3011	66574	1.41%	0.259%
168	12.665	12.634	12.741	VV	44741	571797	12.09%	2.224%
169	12.755	12.741	12.774	VV	994	17126	0.36%	0.067%
170	12.787	12.774	12.844	VV	910	25011	0.53%	0.097%
171	12.877	12.844	12.894	VV	452	12059	0.26%	0.047%
172	12.909	12.894	12.937	VV	417	8911	0.19%	0.035%
173	12.969	12.937	12.984	VV	808	16984	0.36%	0.066%
174	13.005	12.984	13.037	VV	1233	27883	0.59%	0.108%
175	13.060	13.037	13.101	VV	2250	37217	0.79%	0.145%
176	13.136	13.101	13.196	VV	7381	113973	2.41%	0.443%
177	13.225	13.196	13.254	VV	444	9292	0.20%	0.036%
178	13.275	13.254	13.291	VV	564	7734	0.16%	0.030%
179	13.324	13.291	13.362	VV	718	19099	0.40%	0.074%
180	13.376	13.362	13.397	VV	209	3009	0.06%	0.012%
181	13.436	13.397	13.459	PV	6103	81422	1.72%	0.317%
182	13.510	13.459	13.571	VV	307678	3680235	77.84%	14.311%
183	13.580	13.571	13.597	VV	804	11067	0.23%	0.043%
184	13.617	13.597	13.651	VV	933	17889	0.38%	0.070%
185	13.678	13.651	13.721	VV	1510	38863	0.82%	0.151%
186	13.743	13.721	13.761	VV	1628	27392	0.58%	0.107%
187	13.770	13.761	13.840	VV	1489	39919	0.84%	0.155%
188	13.903	13.840	13.974	VV	4236	85787	1.81%	0.334%
189	13.985	13.974	13.990	VV	206	1401	0.03%	0.005%
190	14.030	13.990	14.111	VV	1152	34861	0.74%	0.136%
191	14.137	14.111	14.159	VV	756	13981	0.30%	0.054%
192	14.182	14.159	14.194	VV	1081	15756	0.33%	0.061%
193	14.214	14.194	14.238	VV	2818	38710	0.82%	0.151%
194	14.264	14.238	14.333	VV	2309	56944	1.20%	0.221%

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195	14.351	14.333	14.380	VV	824	13572	0.29%	0.053%
196	14.399	14.380	14.408	VV	382	4694	0.10%	0.018%
197	14.414	14.408	14.438	VV	217	3236	0.07%	0.013%
198	14.500	14.438	14.529	VV	335	13577	0.29%	0.053%
199	14.544	14.529	14.580	VV	213	3782	0.08%	0.015%
200	14.676	14.580	14.683	PV	1041	23183	0.49%	0.090%
201	14.701	14.683	14.744	VV	1444	31649	0.67%	0.123%
202	14.774	14.744	14.803	VV	1301	27759	0.59%	0.108%
203	14.828	14.803	14.851	VV	3086	47227	1.00%	0.184%
204	14.863	14.851	14.878	VV	1143	15967	0.34%	0.062%
205	14.900	14.878	14.924	VV	1711	28408	0.60%	0.110%
206	14.944	14.924	14.991	VV	776	22390	0.47%	0.087%
207	15.011	14.991	15.032	VV	991	14295	0.30%	0.056%
208	15.054	15.032	15.128	VV	882	26747	0.57%	0.104%
209	15.136	15.128	15.157	VV	303	3817	0.08%	0.015%
210	15.177	15.157	15.190	VV	383	4507	0.10%	0.018%
211	15.221	15.190	15.261	VV	432	13779	0.29%	0.054%
212	15.280	15.261	15.298	VV	490	7513	0.16%	0.029%
213	15.325	15.298	15.344	VV	5215	80319	1.70%	0.312%
214	15.367	15.344	15.398	VV	8790	140991	2.98%	0.548%
215	15.416	15.398	15.441	VV	2514	36803	0.78%	0.143%
216	15.450	15.441	15.463	VV	433	5237	0.11%	0.020%
217	15.487	15.463	15.544	VV	1026	26249	0.56%	0.102%
218	15.563	15.544	15.604	VV	372	6239	0.13%	0.024%
219	15.631	15.604	15.648	PV	474	7907	0.17%	0.031%
220	15.669	15.648	15.693	VV	850	14135	0.30%	0.055%
221	15.706	15.693	15.724	VV	455	6655	0.14%	0.026%
222	15.759	15.724	15.835	VV	14030	360016	7.61%	1.400%
223	15.849	15.835	15.867	VV	1776	28077	0.59%	0.109%
224	15.891	15.867	15.928	VV	5934	92520	1.96%	0.360%
225	15.973	15.928	16.024	VV	9291	166893	3.53%	0.649%
226	16.036	16.024	16.078	VV	695	13329	0.28%	0.052%
227	16.086	16.078	16.118	VV	282	4297	0.09%	0.017%
228	16.158	16.118	16.192	VV	726	21161	0.45%	0.082%
229	16.215	16.192	16.250	VV	627	12336	0.26%	0.048%
230	16.286	16.250	16.314	VV	835	19575	0.41%	0.076%
231	16.356	16.314	16.370	VV	1460	27843	0.59%	0.108%
232	16.394	16.370	16.424	VV	5443	78089	1.65%	0.304%
233	16.457	16.424	16.503	VV	1621	32341	0.68%	0.126%
234	16.512	16.503	16.521	VV	307	2882	0.06%	0.011%
235	16.526	16.521	16.564	VV	398	3772	0.08%	0.015%
236	16.604	16.564	16.634	VV	307	8645	0.18%	0.034%
237	16.637	16.634	16.656	VV	231	1314	0.03%	0.005%
238	16.701	16.656	16.725	PV	768	19044	0.40%	0.074%
239	16.782	16.725	16.821	VV	3628	98423	2.08%	0.383%
240	16.842	16.821	16.858	VV	2546	46260	0.98%	0.180%
241	16.881	16.858	16.908	VV	9243	172836	3.66%	0.672%
242	16.917	16.908	16.936	VV	3165	40545	0.86%	0.158%
243	16.962	16.936	16.987	VV	4166	73224	1.55%	0.285%
244	17.013	16.987	17.066	VV	5744	100384	2.12%	0.390%
245	17.076	17.066	17.103	VV	606	7488	0.16%	0.029%
246	17.152	17.103	17.164	PV	329	7121	0.15%	0.028%

					rteres			
247	17.212	17.164	17.244	VV	2995	58008	1.23%	0.226%
248	17.271	17.244	17.296	VV	4103	67513	1.43%	0.263%
249	17.311	17.296	17.320	VV	1745	21559	0.46%	0.084%
250	17.346	17.320	17.371	VV	7716	123319	2.61%	0.480%
251	17.397	17.371	17.410	VV	7911	115288	2.44%	0.448%
252	17.423	17.410	17.456	VV	7301	102316	2.16%	0.398%
253	17.523	17.456	17.533	VV	422	17164	0.36%	0.067%
254	17.546	17.533	17.565	VV	474	5389	0.11%	0.021%
255	17.636	17.565	17.660	VV	630	21763	0.46%	0.085%
256	17.728	17.660	17.769	VV	5079	169418	3.58%	0.659%
257	17.797	17.769	17.844	VV	13611	223271	4.72%	0.868%
258	17.882	17.844	17.912	VV	2872	48875	1.03%	0.190%
259	17.931	17.912	17.953	VV	740	11595	0.25%	0.045%
260	17.974	17.953	17.996	VV	409	7063	0.15%	0.027%
261	18.025	17.996	18.055	PV	648	10643	0.23%	0.041%
262	18.079	18.055	18.104	VV	608	7622	0.16%	0.030%
263	18.127	18.104	18.145	PV	248	2943	0.06%	0.011%
264	18.195	18.145	18.208	VV	2393	49707	1.05%	0.193%
265	18.236	18.208	18.274	VV	13333	213445	4.51%	0.830%
266	18.283	18.274	18.294	VV	1028	11237	0.24%	0.044%
267	18.326	18.294	18.388	VV	9659	180087	3.81%	0.700%
268	18.426	18.388	18.445	VV	1682	43134	0.91%	0.168%
269	18.479	18.445	18.531	VV	2920	78436	1.66%	0.305%
270	18.572	18.531	18.585	VV	5686	98649	2.09%	0.384%
271	18.610	18.585	18.631	VV	9365	203922	4.31%	0.793%
272	18.658	18.631	18.716	VV	23524	521576	11.03%	2.028%
273	18.759	18.716	18.808	VV	4302	138523	2.93%	0.539%
274	18.817	18.808	18.843	VV	1316	22975	0.49%	0.089%
275	18.863	18.843	18.877	VV	1177	20039	0.42%	0.078%
276	18.904	18.877	18.955	VV	4543	103610	2.19%	0.403%
277	18.964	18.955	18.998	VV	1151	20494	0.43%	0.080%
278	19.070	18.998	19.131	VV	16026	328840	6.95%	1.279%
279	19.171	19.131	19.224	VV	9613	193835	4.10%	0.754%
280	19.239	19.224	19.265	VV	1611	33844	0.72%	0.132%
281	19.281	19.265	19.307	VV	1288	24672	0.52%	0.096%
282	19.348	19.307	19.389	VV	1659	62973	1.33%	0.245%
283	19.467	19.389	19.531	VV	16719	545542	11.54%	2.121%
284	19.571	19.531	19.601	VV	4091	119428	2.53%	0.464%
285	19.619	19.601	19.648	VV	3056	67972	1.44%	0.264%
286	19.674	19.648	19.699	VV	4600	95411	2.02%	0.371%
287	19.719	19.699	19.739	VV	2608	53096	1.12%	0.206%
288	19.774	19.739	19.806	VV	3248	90000	1.90%	0.350%
289	19.855	19.806	19.908	VV	12695	281860	5.96%	1.096%
290	19.931	19.908	19.947	VV	6270	104162	2.20%	0.405%
291	19.965	19.947	20.011	VV	7152	173110	3.66%	0.673%
292	20.045	20.011	20.109	VV	4308	200276	4.24%	0.779%
293	20.141	20.109	20.178	VV	5005	165438	3.50%	0.643%
294	20.230	20.178	20.308	VV	13815	478551	10.12%	1.861%
295	20.339	20.308	20.387	VV	4612	205750	4.35%	0.800%
296	20.487	20.387	20.524	VV	9097	503062	10.64%	1.956%
297	20.548	20.524	20.570	VV	8221	188152	3.98%	0.732%
298	20.597	20.570	20.658	VV	13172	403606	8.54%	1.569%
299	20.715	20.658	20.738	VV	6553	279600	5.91%	1.087%

						rters		
300	20.768	20.738	20.808	VV	16928	410403	8.68%	1.596%
301	20.828	20.808	20.845	VV	6360	137662	2.91%	0.535%
302	20.866	20.845	20.893	VV	6219	172069	3.64%	0.669%
303	20.926	20.893	20.938	VV	6857	167007	3.53%	0.649%
304	20.964	20.938	21.008	VV	9613	326651	6.91%	1.270%
305	21.017	21.008	21.058	VV	6708	195178	4.13%	0.759%
306	21.075	21.058	21.116	VV	6485	220197	4.66%	0.856%
307	21.150	21.116	21.202	VV	6173	290729	6.15%	1.131%
308	21.290	21.202	21.334	VV	5933	434000	9.18%	1.688%
309	21.372	21.334	21.567	VV	9133	668602	14.14%	2.600%
310	21.629	21.567	21.643	VV	3534	156794	3.32%	0.610%
311	21.652	21.643	21.665	VV	3511	44857	0.95%	0.174%
312	21.761	21.665	21.771	VV	3912	231800	4.90%	0.901%
313	21.831	21.771	21.978	VV	4519	380606	8.05%	1.480%
314	21.985	21.978	22.051	VV	1896	71570	1.51%	0.278%
315	22.093	22.051	22.191	VV	1481	105892	2.24%	0.412%
316	22.216	22.191	22.281	VV	1136	46070	0.97%	0.179%
317	22.355	22.281	22.476	VV	2708	107823	2.28%	0.419%
					Sum of corrected areas:		25715980	

Aliphatic EPH 082925.M Fri Sep 05 02:23:13 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	09/03/25
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	09/03/25
Client Sample ID:	2	SDG No.:	Q3012
Lab Sample ID:	Q3012-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/04/25 09:05	09/04/25 19:34	PB169545

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	3.13	J	1	0.97	4.28	mg/kg	FE055672.D
Total EPH	Total EPH	3.13	J		0.97	4.28	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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:	Sciacca General Contractors, LLC	Date Collected:	09/03/25
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	09/03/25
Client Sample ID:	2	SDG No.:	Q3012
Lab Sample ID:	Q3012-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055672.D	1	09/04/25	09/04/25	PB169545

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.13	J	0.97	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.30		1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.2		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.1		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3012-04	Acq On:	04 Sep 2025 19:34
Client Sample ID:	2	Operator:	YP\AJ
Data file:	FE055672.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.946	794192	6.185	300	ug/ml
Aliphatic C12-C16	6.947	10.398	1150039	8.513	200	ug/ml
Aliphatic C16-C21	10.399	13.777	1826491	12.665	300	ug/ml
Aliphatic C21-C28	13.778	17.448	2368744	16.537	400	ug/ml
Aliphatic C28-C40	17.449	22.463	10244219	74.385	600	ug/ml
Aliphatic EPH	3.312	22.463	16383685	118.285		ug/ml
ortho-Terphenyl (SURR)	12.073	12.073	4782977	29.11		ug/ml
1-chlorooctadecane (SURR)	13.510	13.510	3652543	29.21		ug/ml
Aliphatic C9-C28	3.312	17.448	6139466	43.9	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055672.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 19:34
 Operator : YP\AJ
 Sample : Q3012-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 2

Integration File: autoint1.e
 Quant Time: Sep 05 01:29:18 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	4782977	29.114 ug/ml
Spiked Amount 50.000		Recovery =	58.23%
12) S 1-chlorooctadecane (S...	13.510	3652543	29.210 ug/ml
Spiked Amount 50.000		Recovery =	58.42%

Target Compounds

(f)=RT Delta > 1/2 Window

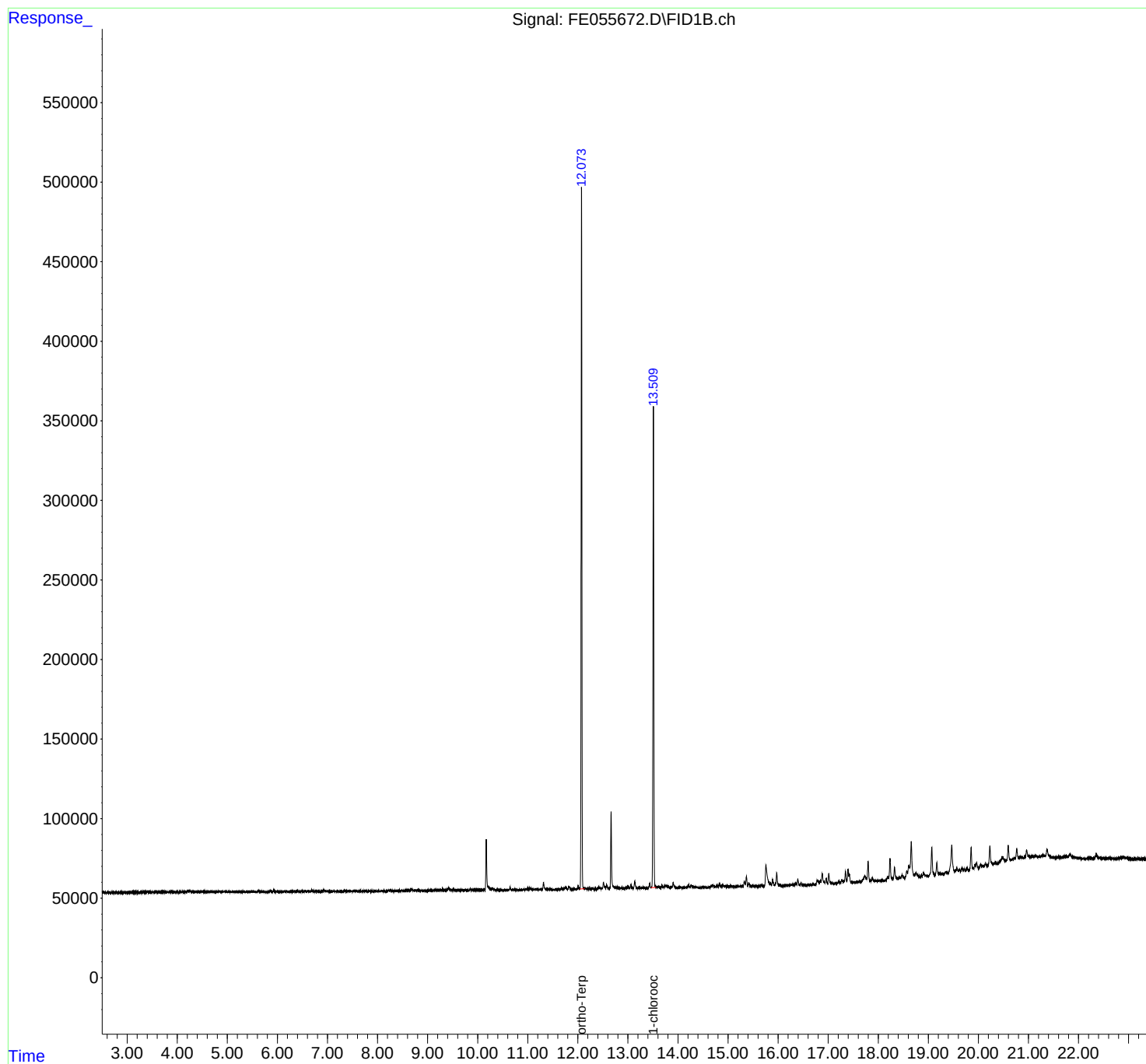
(m)=manual int.

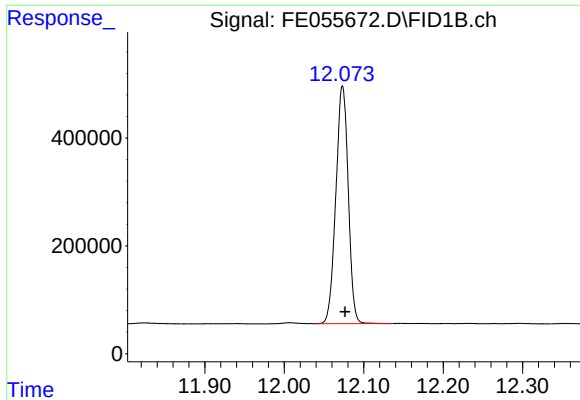
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
Data File : FE055672.D
Signal(s) : FID1B.ch
Acq On : 04 Sep 2025 19:34
Operator : YP\AJ
Sample : Q3012-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
2

Integration File: autoint1.e
Quant Time: Sep 05 01:29:18 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

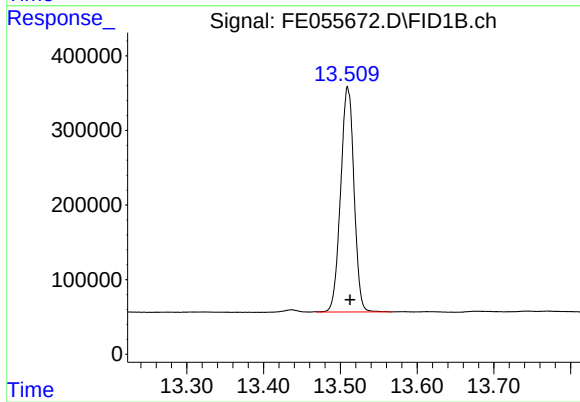




#9 ortho-Terphenyl (SURR)

R.T.: 12.073 min
Delta R.T.: -0.003 min
Response: 4782977
Conc: 29.11 ug/ml

Instrument :
FID_E
ClientSampleId :
2



#12 1-chlorooctadecane (SURR)

R.T.: 13.510 min
Delta R.T.: -0.003 min
Response: 3652543
Conc: 29.21 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055672.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 19:34
 Sample : Q3012-04
 Misc :
 ALS Vial : 23 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	2.818	2.804	2.831	BV	86	548	0.01%	0.002%
2	2.855	2.831	2.868	PV	77	1148	0.02%	0.005%
3	2.881	2.868	2.940	VV	92	1601	0.03%	0.006%
4	2.948	2.940	2.974	VV	89	1199	0.02%	0.005%
5	3.037	2.974	3.137	VV	208	12934	0.27%	0.052%
6	3.167	3.137	3.201	VV	233	6750	0.14%	0.027%
7	3.211	3.201	3.219	VV	161	1466	0.03%	0.006%
8	3.242	3.219	3.274	VV	223	5619	0.12%	0.023%
9	3.304	3.274	3.313	VV	291	5790	0.12%	0.023%
10	3.323	3.313	3.378	VV	303	9305	0.19%	0.037%
11	3.411	3.378	3.446	VV	396	12457	0.26%	0.050%
12	3.481	3.446	3.534	VV	301	13256	0.28%	0.053%
13	3.594	3.534	3.611	VV	342	14176	0.29%	0.057%
14	3.619	3.611	3.631	VV	386	4142	0.09%	0.017%
15	3.637	3.631	3.645	VV	408	2786	0.06%	0.011%
16	3.660	3.645	3.695	VV	376	9054	0.19%	0.036%
17	3.707	3.695	3.724	VV	408	4923	0.10%	0.020%
18	3.735	3.724	3.788	VV	336	11162	0.23%	0.045%
19	3.835	3.788	3.844	VV	359	9947	0.21%	0.040%
20	3.875	3.844	3.889	VV	413	7975	0.17%	0.032%
21	3.900	3.889	3.920	VV	333	5499	0.11%	0.022%
22	3.972	3.920	3.981	VV	325	10393	0.22%	0.042%
23	4.007	3.981	4.048	VV	313	10252	0.21%	0.041%
24	4.066	4.048	4.087	VV	350	6559	0.14%	0.026%
25	4.096	4.087	4.186	VV	395	17605	0.37%	0.071%
26	4.207	4.186	4.238	VV	917	17014	0.35%	0.068%
27	4.251	4.238	4.302	VV	941	23790	0.49%	0.095%
28	4.310	4.302	4.364	VV	505	14941	0.31%	0.060%
29	4.401	4.364	4.411	VV	473	11580	0.24%	0.046%
30	4.447	4.411	4.468	VV	508	15215	0.32%	0.061%
31	4.477	4.468	4.500	VV	483	7713	0.16%	0.031%
32	4.515	4.500	4.564	VV	541	17868	0.37%	0.072%
33	4.577	4.564	4.606	VV	431	10443	0.22%	0.042%
34	4.616	4.606	4.650	VV	488	11250	0.23%	0.045%
35	4.671	4.650	4.731	VV	561	22483	0.47%	0.090%
36	4.737	4.731	4.770	VV	446	9719	0.20%	0.039%

					rteres			
37	4.783	4.770	4.821	VV	443	12045	0.25%	0.048%
38	4.841	4.821	4.890	VV	710	18893	0.39%	0.076%
39	4.907	4.890	4.964	VV	463	17547	0.36%	0.070%
40	4.977	4.964	5.004	VV	478	10354	0.22%	0.042%
41	5.062	5.004	5.075	VV	441	17497	0.36%	0.070%
42	5.092	5.075	5.154	VV	451	17194	0.36%	0.069%
43	5.164	5.154	5.181	VV	343	5288	0.11%	0.021%
44	5.188	5.181	5.204	VV	337	4491	0.09%	0.018%
45	5.219	5.204	5.261	VV	376	10481	0.22%	0.042%
46	5.271	5.261	5.298	VV	352	6702	0.14%	0.027%
47	5.328	5.298	5.364	VV	448	13789	0.29%	0.055%
48	5.381	5.364	5.392	VV	369	5254	0.11%	0.021%
49	5.427	5.392	5.458	PV	378	10906	0.23%	0.044%
50	5.464	5.458	5.478	VV	405	3838	0.08%	0.015%
51	5.497	5.478	5.514	VV	366	7220	0.15%	0.029%
52	5.527	5.514	5.544	VV	343	5606	0.12%	0.022%
53	5.550	5.544	5.572	VV	351	4649	0.10%	0.019%
54	5.619	5.572	5.797	VV	1299	46989	0.98%	0.188%
55	5.856	5.797	5.896	VV	845	24661	0.51%	0.099%
56	5.927	5.896	6.004	VV	1623	35744	0.74%	0.143%
57	6.017	6.004	6.030	VV	362	4321	0.09%	0.017%
58	6.059	6.030	6.074	VV	364	7688	0.16%	0.031%
59	6.081	6.074	6.089	VV	282	2355	0.05%	0.009%
60	6.132	6.089	6.166	VV	469	13617	0.28%	0.055%
61	6.183	6.166	6.228	VV	454	10901	0.23%	0.044%
62	6.252	6.228	6.281	VV	275	8367	0.17%	0.034%
63	6.323	6.281	6.334	VV	395	9932	0.21%	0.040%
64	6.343	6.334	6.370	VV	305	6471	0.13%	0.026%
65	6.391	6.370	6.460	VV	670	22740	0.47%	0.091%
66	6.479	6.460	6.533	VV	400	14585	0.30%	0.059%
67	6.553	6.533	6.591	VV	589	13810	0.29%	0.055%
68	6.626	6.591	6.668	VV	365	13613	0.28%	0.055%
69	6.686	6.668	6.731	VV	1063	19493	0.41%	0.078%
70	6.737	6.731	6.748	VV	329	3219	0.07%	0.013%
71	6.750	6.748	6.888	VV	389	24853	0.52%	0.100%
72	6.895	6.888	6.904	VV	345	3133	0.07%	0.013%
73	6.927	6.904	6.984	VV	1062	24439	0.51%	0.098%
74	6.997	6.984	7.034	VV	377	8896	0.18%	0.036%
75	7.041	7.034	7.076	VV	269	5791	0.12%	0.023%
76	7.086	7.076	7.092	VV	190	1825	0.04%	0.007%
77	7.100	7.092	7.120	VV	179	3000	0.06%	0.012%
78	7.134	7.120	7.208	VV	365	8855	0.18%	0.036%
79	7.253	7.208	7.284	VV	227	7472	0.16%	0.030%
80	7.295	7.284	7.301	VV	173	1469	0.03%	0.006%
81	7.332	7.301	7.369	VV	600	14836	0.31%	0.060%
82	7.388	7.369	7.419	VV	368	9311	0.19%	0.037%
83	7.429	7.419	7.470	VV	269	6654	0.14%	0.027%
84	7.527	7.470	7.551	VV	442	12896	0.27%	0.052%
85	7.570	7.551	7.611	VV	461	8539	0.18%	0.034%
86	7.628	7.611	7.646	VV	235	3708	0.08%	0.015%
87	7.666	7.646	7.686	VV	346	6095	0.13%	0.024%
88	7.705	7.686	7.724	VV	354	5809	0.12%	0.023%
89	7.763	7.724	7.808	VV	306	12403	0.26%	0.050%

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90	7.820	7.808	7.837	VV	227	3028	0.06%	0.012%
91	7.857	7.837	7.889	VV	276	5200	0.11%	0.021%
92	7.893	7.889	7.908	VV	118	1236	0.03%	0.005%
93	7.918	7.908	7.931	VV	168	1859	0.04%	0.007%
94	7.944	7.931	7.998	VV	167	4969	0.10%	0.020%
95	8.027	7.998	8.061	VV	231	4941	0.10%	0.020%
96	8.087	8.061	8.137	VV	522	8910	0.19%	0.036%
97	8.150	8.137	8.171	VV	187	1857	0.04%	0.007%
98	8.257	8.171	8.299	VV	910	28383	0.59%	0.114%
99	8.305	8.299	8.312	VV	302	1801	0.04%	0.007%
100	8.319	8.312	8.356	VV	240	5189	0.11%	0.021%
101	8.369	8.356	8.378	VV	296	3302	0.07%	0.013%
102	8.384	8.378	8.393	VV	295	2334	0.05%	0.009%
103	8.415	8.393	8.441	VV	408	8235	0.17%	0.033%
104	8.450	8.441	8.475	VV	256	4484	0.09%	0.018%
105	8.500	8.475	8.518	VV	474	8209	0.17%	0.033%
106	8.577	8.518	8.634	VV	765	31441	0.65%	0.126%
107	8.682	8.634	8.772	VV	1224	45539	0.95%	0.183%
108	8.802	8.772	8.894	VV	794	28648	0.60%	0.115%
109	8.914	8.894	8.990	VV	536	16239	0.34%	0.065%
110	9.056	8.990	9.094	VV	584	24775	0.52%	0.099%
111	9.123	9.094	9.137	VV	541	11862	0.25%	0.048%
112	9.159	9.137	9.208	VV	771	23714	0.49%	0.095%
113	9.224	9.208	9.267	VV	745	16637	0.35%	0.067%
114	9.298	9.267	9.361	VV	1052	27417	0.57%	0.110%
115	9.418	9.361	9.484	VV	1661	57876	1.20%	0.232%
116	9.513	9.484	9.598	VV	1078	37427	0.78%	0.150%
117	9.611	9.598	9.640	VV	359	7170	0.15%	0.029%
118	9.666	9.640	9.678	VV	302	6559	0.14%	0.026%
119	9.697	9.678	9.778	VV	486	18776	0.39%	0.075%
120	9.798	9.778	9.818	VV	335	6218	0.13%	0.025%
121	9.845	9.818	9.875	VV	861	19517	0.41%	0.078%
122	9.896	9.875	9.942	VV	781	20091	0.42%	0.081%
123	9.949	9.942	9.961	VV	405	4316	0.09%	0.017%
124	9.976	9.961	10.006	VV	448	9468	0.20%	0.038%
125	10.014	10.006	10.025	VV	320	3327	0.07%	0.013%
126	10.034	10.025	10.061	VV	309	6036	0.13%	0.024%
127	10.065	10.061	10.099	VV	307	5024	0.10%	0.020%
128	10.131	10.099	10.144	VV	689	10696	0.22%	0.043%
129	10.171	10.144	10.281	VV	32202	465088	9.67%	1.866%
130	10.296	10.281	10.378	VV	1444	34682	0.72%	0.139%
131	10.405	10.378	10.431	VV	460	9326	0.19%	0.037%
132	10.461	10.431	10.531	VV	277	8573	0.18%	0.034%
133	10.548	10.531	10.587	PV	84	2660	0.06%	0.011%
134	10.608	10.587	10.618	VV	250	3363	0.07%	0.013%
135	10.646	10.618	10.672	VV	1980	25121	0.52%	0.101%
136	10.688	10.672	10.714	VV	508	8604	0.18%	0.035%
137	10.735	10.714	10.770	VV	586	13327	0.28%	0.053%
138	10.781	10.770	10.805	VV	350	4943	0.10%	0.020%
139	10.846	10.805	10.866	VV	281	6291	0.13%	0.025%
140	10.964	10.866	10.976	VV	775	24583	0.51%	0.099%
141	10.994	10.976	11.011	VV	1232	17686	0.37%	0.071%

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142	11.038	11.011	11.054	VV	1157	21503	0.45%	0.086%
143	11.066	11.054	11.091	VV	935	15664	0.33%	0.063%
144	11.110	11.091	11.128	VV	518	9859	0.21%	0.040%
145	11.147	11.128	11.161	VV	559	8916	0.19%	0.036%
146	11.174	11.161	11.218	VV	620	15729	0.33%	0.063%
147	11.228	11.218	11.234	VV	295	2439	0.05%	0.010%
148	11.263	11.234	11.288	VV	644	12568	0.26%	0.050%
149	11.314	11.288	11.366	VV	4830	80505	1.67%	0.323%
150	11.385	11.366	11.537	VV	930	37002	0.77%	0.148%
151	11.553	11.537	11.581	VV	216	2925	0.06%	0.012%
152	11.606	11.581	11.641	PV	482	8926	0.19%	0.036%
153	11.676	11.641	11.699	VV	1293	20099	0.42%	0.081%
154	11.718	11.699	11.730	VV	957	12568	0.26%	0.050%
155	11.763	11.730	11.799	VV	1554	39684	0.83%	0.159%
156	11.824	11.799	11.891	VV	1858	41303	0.86%	0.166%
157	11.909	11.891	11.923	VV	398	5647	0.12%	0.023%
158	11.939	11.923	11.974	VV	579	9064	0.19%	0.036%
159	12.007	11.974	12.037	VV	2106	34625	0.72%	0.139%
160	12.073	12.037	12.131	VV	440234	4808822	100.00%	19.290%
161	12.148	12.131	12.164	VV	799	14148	0.29%	0.057%
162	12.171	12.164	12.190	VV	742	9161	0.19%	0.037%
163	12.205	12.190	12.216	VV	602	7671	0.16%	0.031%
164	12.232	12.216	12.251	VV	871	11833	0.25%	0.047%
165	12.264	12.251	12.275	VV	515	5481	0.11%	0.022%
166	12.297	12.275	12.328	VV	883	13645	0.28%	0.055%
167	12.354	12.328	12.380	PV	635	8892	0.18%	0.036%
168	12.412	12.380	12.462	VV	1195	35116	0.73%	0.141%
169	12.512	12.462	12.558	VV	4446	91946	1.91%	0.369%
170	12.576	12.558	12.634	VV	2565	56498	1.17%	0.227%
171	12.664	12.634	12.748	VV	48747	608381	12.65%	2.440%
172	12.754	12.748	12.770	VV	1045	12229	0.25%	0.049%
173	12.785	12.770	12.858	VV	887	32678	0.68%	0.131%
174	12.873	12.858	12.898	VV	638	11719	0.24%	0.047%
175	12.911	12.898	12.918	VV	418	4625	0.10%	0.019%
176	12.927	12.918	12.936	VV	413	3956	0.08%	0.016%
177	12.959	12.936	12.979	VV	821	15844	0.33%	0.064%
178	13.001	12.979	13.034	VV	1262	28469	0.59%	0.114%
179	13.059	13.034	13.101	VV	2241	36748	0.76%	0.147%
180	13.136	13.101	13.198	VV	4303	81100	1.69%	0.325%
181	13.219	13.198	13.251	VV	751	14880	0.31%	0.060%
182	13.275	13.251	13.290	VV	488	7418	0.15%	0.030%
183	13.321	13.290	13.401	VV	617	22808	0.47%	0.091%
184	13.436	13.401	13.459	VV	3575	49651	1.03%	0.199%
185	13.510	13.459	13.569	VV	300312	3692916	76.79%	14.814%
186	13.581	13.569	13.594	VV	865	11642	0.24%	0.047%
187	13.614	13.594	13.650	VV	910	19393	0.40%	0.078%
188	13.678	13.650	13.715	VV	1473	35305	0.73%	0.142%
189	13.744	13.715	13.756	VV	1525	28379	0.59%	0.114%
190	13.770	13.756	13.842	VV	1554	43372	0.90%	0.174%
191	13.903	13.842	13.990	VV	3628	75747	1.58%	0.304%
192	14.028	13.990	14.077	VV	734	20486	0.43%	0.082%
193	14.089	14.077	14.107	VV	241	3785	0.08%	0.015%
194	14.133	14.107	14.157	VV	399	9236	0.19%	0.037%

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195	14.183	14.157	14.193	VV	799	11422	0.24%	0.046%
196	14.213	14.193	14.239	VV	2001	29335	0.61%	0.118%
197	14.263	14.239	14.338	VV	1898	45300	0.94%	0.182%
198	14.351	14.338	14.374	VV	668	9485	0.20%	0.038%
199	14.393	14.374	14.409	VV	297	4928	0.10%	0.020%
200	14.483	14.409	14.498	VV	396	10303	0.21%	0.041%
201	14.504	14.498	14.531	VV	340	4613	0.10%	0.019%
202	14.543	14.531	14.588	VV	246	3082	0.06%	0.012%
203	14.626	14.588	14.640	PV	433	5237	0.11%	0.021%
204	14.700	14.640	14.735	VV	1584	46338	0.96%	0.186%
205	14.774	14.735	14.803	VV	1167	27915	0.58%	0.112%
206	14.828	14.803	14.849	VV	2537	37118	0.77%	0.149%
207	14.861	14.849	14.878	VV	1041	14448	0.30%	0.058%
208	14.898	14.878	14.921	VV	1527	24728	0.51%	0.099%
209	14.939	14.921	14.975	VV	635	16122	0.34%	0.065%
210	14.980	14.975	14.994	VV	394	3499	0.07%	0.014%
211	15.012	14.994	15.034	VV	570	8842	0.18%	0.035%
212	15.054	15.034	15.121	VV	641	18089	0.38%	0.073%
213	15.143	15.121	15.157	VV	366	4833	0.10%	0.019%
214	15.173	15.157	15.190	VV	306	4545	0.09%	0.018%
215	15.204	15.190	15.218	VV	391	5262	0.11%	0.021%
216	15.234	15.218	15.267	VV	381	8560	0.18%	0.034%
217	15.281	15.267	15.294	VV	360	4547	0.09%	0.018%
218	15.325	15.294	15.344	VV	3472	54767	1.14%	0.220%
219	15.367	15.344	15.395	VV	6236	101641	2.11%	0.408%
220	15.415	15.395	15.454	VV	2489	38934	0.81%	0.156%
221	15.490	15.454	15.538	VV	569	18384	0.38%	0.074%
222	15.566	15.538	15.594	VV	288	5751	0.12%	0.023%
223	15.636	15.594	15.651	PV	304	6264	0.13%	0.025%
224	15.668	15.651	15.728	VV	981	19434	0.40%	0.078%
225	15.757	15.728	15.834	VV	12673	345351	7.18%	1.385%
226	15.846	15.834	15.867	VV	1727	26414	0.55%	0.106%
227	15.891	15.867	15.928	VV	4218	72723	1.51%	0.292%
228	15.972	15.928	16.064	VV	8427	155920	3.24%	0.625%
229	16.079	16.064	16.098	VV	134	2417	0.05%	0.010%
230	16.162	16.098	16.198	VV	458	16052	0.33%	0.064%
231	16.212	16.198	16.234	VV	427	5745	0.12%	0.023%
232	16.287	16.234	16.298	VV	594	13844	0.29%	0.056%
233	16.306	16.298	16.321	VV	512	6688	0.14%	0.027%
234	16.356	16.321	16.371	VV	1315	24300	0.51%	0.097%
235	16.393	16.371	16.431	VV	4130	61945	1.29%	0.248%
236	16.458	16.431	16.504	VV	1670	31081	0.65%	0.125%
237	16.521	16.504	16.552	VV	344	6923	0.14%	0.028%
238	16.590	16.552	16.654	VV	288	9490	0.20%	0.038%
239	16.698	16.654	16.721	PV	672	12922	0.27%	0.052%
240	16.782	16.721	16.819	VV	2854	80125	1.67%	0.321%
241	16.841	16.819	16.858	VV	2320	42856	0.89%	0.172%
242	16.881	16.858	16.935	VV	6924	147981	3.08%	0.594%
243	16.961	16.935	16.987	VV	3827	63064	1.31%	0.253%
244	17.012	16.987	17.111	VV	6716	120180	2.50%	0.482%
245	17.148	17.111	17.160	PV	276	5093	0.11%	0.020%
246	17.212	17.160	17.244	VV	1758	34337	0.71%	0.138%

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247	17.273	17.244	17.295	VV	2329	42310	0.88%	0.170%
248	17.346	17.295	17.371	VV	7427	132381	2.75%	0.531%
249	17.396	17.371	17.412	VV	8775	124874	2.60%	0.501%
250	17.423	17.412	17.464	VV	5606	80748	1.68%	0.324%
251	17.480	17.464	17.528	VV	390	11647	0.24%	0.047%
252	17.548	17.528	17.575	VV	352	6340	0.13%	0.025%
253	17.598	17.575	17.624	VV	419	9550	0.20%	0.038%
254	17.639	17.624	17.658	VV	388	5706	0.12%	0.023%
255	17.727	17.658	17.771	VV	3829	144750	3.01%	0.581%
256	17.797	17.771	17.846	VV	12973	208145	4.33%	0.835%
257	17.882	17.846	17.911	VV	2529	44890	0.93%	0.180%
258	17.936	17.911	17.952	VV	791	11327	0.24%	0.045%
259	17.970	17.952	17.996	VV	412	7790	0.16%	0.031%
260	18.022	17.996	18.061	VV	592	11367	0.24%	0.046%
261	18.080	18.061	18.102	PV	634	7461	0.16%	0.030%
262	18.122	18.102	18.144	PV	330	4797	0.10%	0.019%
263	18.192	18.144	18.207	VV	2099	44426	0.92%	0.178%
264	18.235	18.207	18.287	VV	13760	224600	4.67%	0.901%
265	18.324	18.287	18.363	VV	7943	139699	2.91%	0.560%
266	18.371	18.363	18.391	VV	926	14029	0.29%	0.056%
267	18.429	18.391	18.444	VV	1186	28010	0.58%	0.112%
268	18.478	18.444	18.523	VV	2790	64640	1.34%	0.259%
269	18.569	18.523	18.584	VV	4739	92204	1.92%	0.370%
270	18.610	18.584	18.630	VV	7952	176901	3.68%	0.710%
271	18.658	18.630	18.718	VV	22845	473529	9.85%	1.900%
272	18.757	18.718	18.841	VV	2969	109531	2.28%	0.439%
273	18.865	18.841	18.878	VV	858	14346	0.30%	0.058%
274	18.905	18.878	18.945	VV	2712	57534	1.20%	0.231%
275	18.960	18.945	19.001	VV	829	16281	0.34%	0.065%
276	19.069	19.001	19.130	VV	17957	329683	6.86%	1.322%
277	19.170	19.130	19.217	VV	8229	148433	3.09%	0.595%
278	19.237	19.217	19.264	VV	1208	25712	0.53%	0.103%
279	19.281	19.264	19.302	VV	821	14028	0.29%	0.056%
280	19.362	19.302	19.391	VV	1498	54155	1.13%	0.217%
281	19.468	19.391	19.528	VV	18273	481159	10.01%	1.930%
282	19.570	19.528	19.596	VV	3468	93968	1.95%	0.377%
283	19.619	19.596	19.641	VV	2210	50628	1.05%	0.203%
284	19.672	19.641	19.696	VV	3015	71398	1.48%	0.286%
285	19.720	19.696	19.743	VV	2267	54584	1.14%	0.219%
286	19.773	19.743	19.799	VV	2497	62412	1.30%	0.250%
287	19.855	19.799	19.903	VV	15509	299023	6.22%	1.199%
288	19.931	19.903	19.946	VV	4530	83002	1.73%	0.333%
289	19.966	19.946	20.006	VV	5549	131182	2.73%	0.526%
290	20.044	20.006	20.065	VV	3778	103732	2.16%	0.416%
291	20.092	20.065	20.111	VV	3289	83407	1.73%	0.335%
292	20.141	20.111	20.181	VV	4485	145757	3.03%	0.585%
293	20.230	20.181	20.301	VV	15218	443626	9.23%	1.780%
294	20.334	20.301	20.378	VV	4357	181463	3.77%	0.728%
295	20.484	20.378	20.531	VV	7145	491921	10.23%	1.973%
296	20.595	20.531	20.658	VV	14517	527030	10.96%	2.114%
297	20.709	20.658	20.730	VV	6185	242593	5.04%	0.973%
298	20.766	20.730	20.805	VV	11976	350156	7.28%	1.405%
299	20.825	20.805	20.904	VV	6162	348008	7.24%	1.396%

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300	20.964	20.904	21.045	VV	10374	573767	11.93%	2.302%
301	21.075	21.045	21.116	VV	6220	254986	5.30%	1.023%
302	21.146	21.116	21.193	VV	6235	268105	5.58%	1.075%
303	21.274	21.193	21.329	VV	5865	450442	9.37%	1.807%
304	21.372	21.329	21.472	VV	9464	502763	10.46%	2.017%
305	21.483	21.472	21.554	VV	4145	191075	3.97%	0.766%
306	21.604	21.554	21.634	VV	3814	175770	3.66%	0.705%
307	21.647	21.634	21.659	VV	3596	52104	1.08%	0.209%
308	21.665	21.659	21.676	VV	3501	36019	0.75%	0.144%
309	21.719	21.676	21.751	VV	3868	165652	3.44%	0.664%
310	21.780	21.751	21.790	VV	3917	87471	1.82%	0.351%
311	21.832	21.790	21.883	VV	4903	221511	4.61%	0.889%
312	21.890	21.883	22.068	VV	3156	245551	5.11%	0.985%
313	22.086	22.068	22.095	VV	1480	23139	0.48%	0.093%
314	22.102	22.095	22.118	VV	1409	17190	0.36%	0.069%
315	22.165	22.118	22.191	VV	1117	47897	1.00%	0.192%
316	22.230	22.191	22.290	VV	1230	60215	1.25%	0.242%
317	22.356	22.290	22.438	VV	2840	118139	2.46%	0.474%
318	22.443	22.438	22.464	VV	547	5863	0.12%	0.024%
319	22.471	22.464	22.493	VV	294	3340	0.07%	0.013%
320	22.518	22.493	22.538	VV	184	3205	0.07%	0.013%

Sum of corrected areas: 24929025

Aliphatic EPH 082925.M Fri Sep 05 02:23:47 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	09/03/25
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	09/03/25
Client Sample ID:	3	SDG No.:	Q3012
Lab Sample ID:	Q3012-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/04/25 09:05	09/04/25 20:05	PB169545

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	3.08	J	1	0.97	4.25	mg/kg	FE055673.D
Total EPH	Total EPH	3.08	J		0.97	4.25	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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:	Sciacca General Contractors, LLC	Date Collected:	09/03/25
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	09/03/25
Client Sample ID:	3	SDG No.:	Q3012
Lab Sample ID:	Q3012-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055673.D	1	09/04/25	09/04/25	PB169545

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.08	J	0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.58		1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.9		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.6		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3012-05	Acq On:	04 Sep 2025 20:05
Client Sample ID:	3	Operator:	YP\AJ
Data file:	FE055673.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	3.312	6.946	813583	6.336	300	ug/ml
Aliphatic C12-C16	6.947	10.398	1142816	8.459	200	ug/ml
Aliphatic C16-C21	10.399	13.777	1831993	12.703	300	ug/ml
Aliphatic C21-C28	13.778	17.448	2289311	15.983	400	ug/ml
Aliphatic C28-C40	17.449	22.463	8907035	64.675	600	ug/ml
Aliphatic EPH	3.312	22.463	14984738	108.156		ug/ml
ortho-Terphenyl (SURR)	12.073	12.073	4538877	27.63		ug/ml
1-chlorooctadecane (SURR)	13.510	13.510	3489741	27.91		ug/ml
Aliphatic C9-C28	3.312	17.448	6077703	43.481	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055673.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 20:05
 Operator : YP\AJ
 Sample : Q3012-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 3

Integration File: autoint1.e
 Quant Time: Sep 05 01:29:39 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	4538877	27.628 ug/ml
Spiked Amount 50.000		Recovery =	55.26%
12) S 1-chlorooctadecane (S...	13.510	3489741	27.908 ug/ml
Spiked Amount 50.000		Recovery =	55.82%

Target Compounds

(f)=RT Delta > 1/2 Window

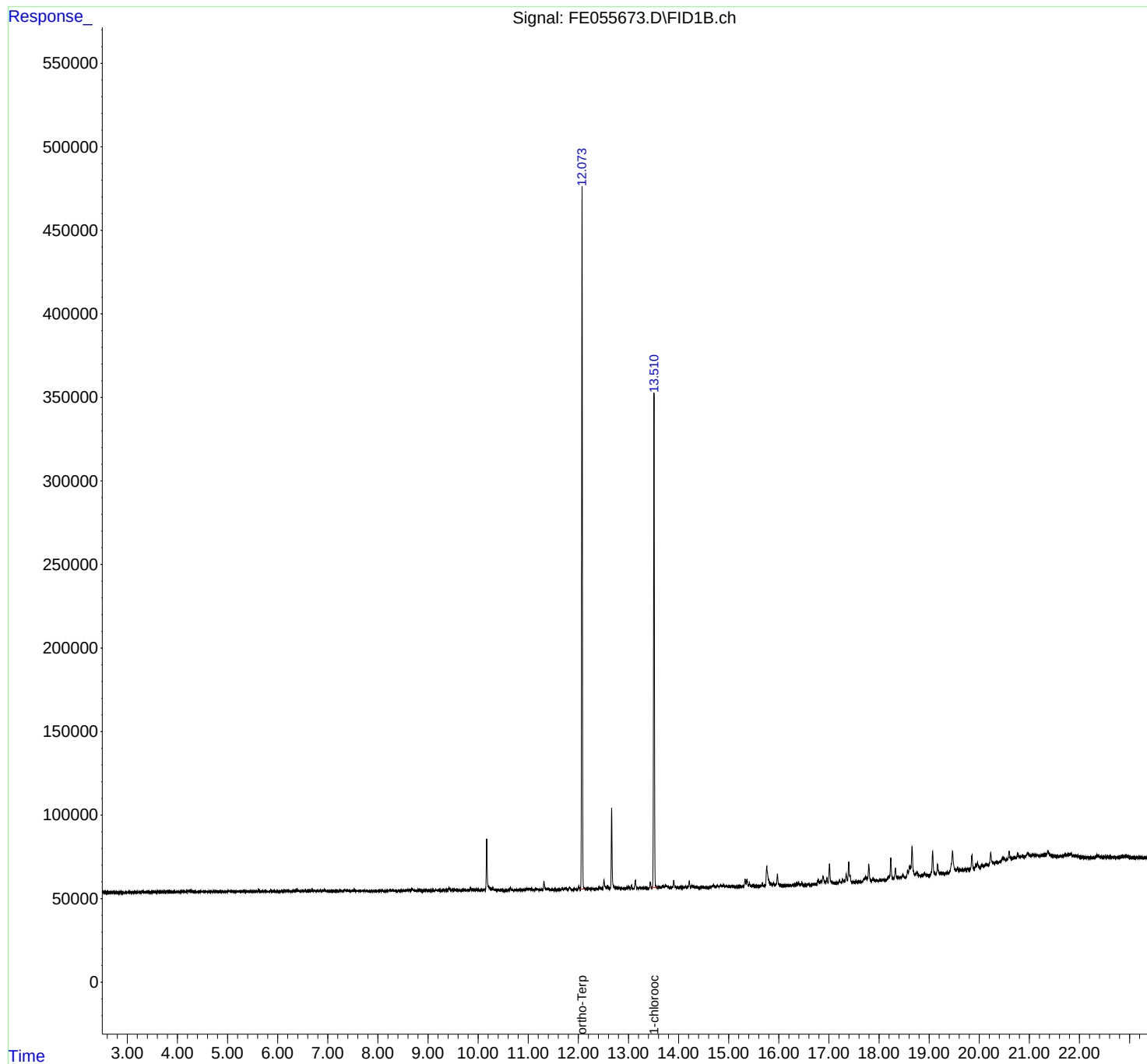
(m)=manual int.

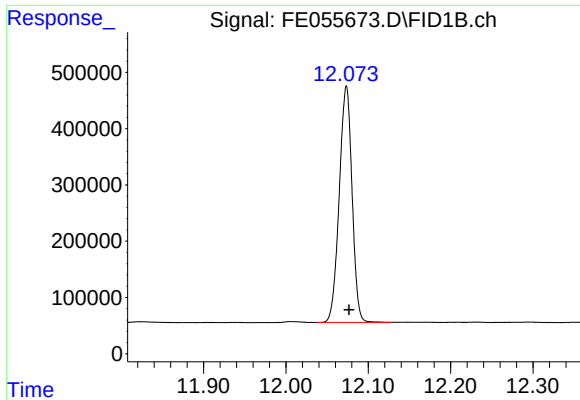
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
Data File : FE055673.D
Signal(s) : FID1B.ch
Acq On : 04 Sep 2025 20:05
Operator : YP\AJ
Sample : Q3012-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
3

Integration File: autoint1.e
Quant Time: Sep 05 01:29:39 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

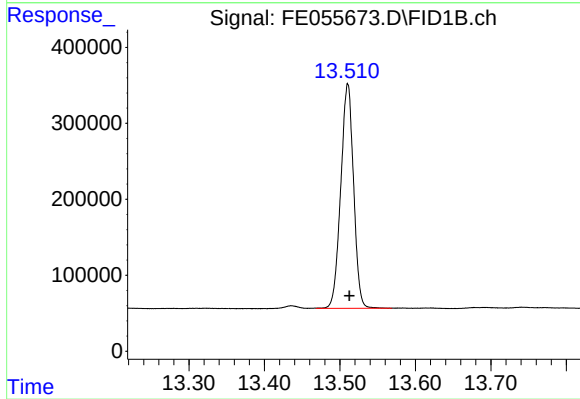




#9 ortho-Terphenyl (SURR)

R.T.: 12.073 min
Delta R.T.: -0.003 min
Response: 4538877
Conc: 27.63 ug/ml

Instrument :
FID_E
ClientSampleId :
3



#12 1-chlorooctadecane (SURR)

R.T.: 13.510 min
Delta R.T.: -0.003 min
Response: 3489741
Conc: 27.91 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055673.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 20:05
 Sample : Q3012-05
 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	2.865	2.804	2.877	BV	93	1647	0.04%	0.007%
2	2.899	2.877	2.924	VV	95	1603	0.04%	0.007%
3	2.956	2.924	2.971	VV	151	2190	0.05%	0.009%
4	2.978	2.971	2.991	VV	64	596	0.01%	0.003%
5	3.043	2.991	3.081	PV	348	9950	0.22%	0.043%
6	3.098	3.081	3.131	VV	217	4501	0.10%	0.019%
7	3.157	3.131	3.190	VV	304	6794	0.15%	0.029%
8	3.200	3.190	3.220	VV	235	3138	0.07%	0.014%
9	3.292	3.220	3.309	VV	440	12947	0.28%	0.056%
10	3.314	3.309	3.371	VV	371	9211	0.20%	0.040%
11	3.414	3.371	3.487	VV	457	20282	0.44%	0.088%
12	3.499	3.487	3.507	VV	336	3535	0.08%	0.015%
13	3.516	3.507	3.521	VV	346	2661	0.06%	0.012%
14	3.528	3.521	3.538	VV	383	3375	0.07%	0.015%
15	3.542	3.538	3.551	VV	382	2631	0.06%	0.011%
16	3.589	3.551	3.634	VV	420	17919	0.39%	0.077%
17	3.661	3.634	3.672	VV	457	8416	0.18%	0.036%
18	3.682	3.672	3.690	VV	383	3890	0.09%	0.017%
19	3.700	3.690	3.711	VV	393	4787	0.10%	0.021%
20	3.731	3.711	3.759	VV	423	9044	0.20%	0.039%
21	3.774	3.759	3.805	VV	415	9745	0.21%	0.042%
22	3.813	3.805	3.968	VV	455	34439	0.75%	0.149%
23	4.007	3.968	4.020	VV	375	9410	0.21%	0.041%
24	4.055	4.020	4.121	VV	433	18245	0.40%	0.079%
25	4.126	4.121	4.134	VV	351	2415	0.05%	0.010%
26	4.208	4.134	4.231	VV	985	27034	0.59%	0.117%
27	4.251	4.231	4.311	VV	1122	33337	0.73%	0.144%
28	4.316	4.311	4.348	VV	524	10156	0.22%	0.044%
29	4.358	4.348	4.385	VV	419	8268	0.18%	0.036%
30	4.412	4.385	4.429	VV	413	9699	0.21%	0.042%
31	4.444	4.429	4.479	VV	494	11458	0.25%	0.050%
32	4.512	4.479	4.564	VV	399	17627	0.39%	0.076%
33	4.573	4.564	4.604	VV	372	6989	0.15%	0.030%
34	4.672	4.604	4.710	VV	469	20386	0.45%	0.088%
35	4.736	4.710	4.819	VV	349	17438	0.38%	0.075%
36	4.842	4.819	4.884	VV	585	12200	0.27%	0.053%

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37	4.904	4.884	4.938	VV	309	8210	0.18%	0.035%
38	5.027	4.938	5.127	VV	646	46783	1.03%	0.202%
39	5.137	5.127	5.148	VV	391	4441	0.10%	0.019%
40	5.160	5.148	5.187	VV	369	7236	0.16%	0.031%
41	5.207	5.187	5.294	VV	323	17611	0.39%	0.076%
42	5.331	5.294	5.361	VV	411	12771	0.28%	0.055%
43	5.383	5.361	5.399	VV	411	7370	0.16%	0.032%
44	5.406	5.399	5.422	VV	311	4314	0.09%	0.019%
45	5.430	5.422	5.444	VV	380	3952	0.09%	0.017%
46	5.455	5.444	5.488	VV	334	7675	0.17%	0.033%
47	5.501	5.488	5.534	VV	375	8544	0.19%	0.037%
48	5.543	5.534	5.551	VV	269	2631	0.06%	0.011%
49	5.558	5.551	5.580	VV	301	4305	0.09%	0.019%
50	5.619	5.580	5.681	VV	1582	30670	0.67%	0.133%
51	5.702	5.681	5.743	VV	264	8318	0.18%	0.036%
52	5.751	5.743	5.761	VV	241	2410	0.05%	0.010%
53	5.856	5.761	5.904	VV	750	27795	0.61%	0.120%
54	5.934	5.904	5.970	VV	425	11199	0.25%	0.048%
55	5.997	5.970	6.018	VV	284	7079	0.16%	0.031%
56	6.032	6.018	6.041	VV	210	2905	0.06%	0.013%
57	6.057	6.041	6.117	VV	365	12012	0.26%	0.052%
58	6.133	6.117	6.158	VV	443	8224	0.18%	0.036%
59	6.183	6.158	6.220	VV	497	13389	0.29%	0.058%
60	6.329	6.220	6.338	VV	458	20878	0.46%	0.090%
61	6.358	6.338	6.371	VV	677	11800	0.26%	0.051%
62	6.388	6.371	6.461	VV	1075	34495	0.76%	0.149%
63	6.473	6.461	6.520	VV	537	16809	0.37%	0.073%
64	6.554	6.520	6.591	VV	723	20944	0.46%	0.091%
65	6.685	6.591	6.764	VV	1303	53216	1.17%	0.230%
66	6.771	6.764	6.781	VV	475	4355	0.10%	0.019%
67	6.823	6.781	6.865	VV	495	20856	0.46%	0.090%
68	6.892	6.865	6.903	VV	412	8300	0.18%	0.036%
69	6.927	6.903	6.987	VV	1027	27489	0.60%	0.119%
70	6.997	6.987	7.052	VV	480	13168	0.29%	0.057%
71	7.073	7.052	7.091	VV	330	6631	0.15%	0.029%
72	7.135	7.091	7.158	VV	381	11742	0.26%	0.051%
73	7.188	7.158	7.231	VV	339	12386	0.27%	0.054%
74	7.237	7.231	7.277	VV	348	7975	0.17%	0.034%
75	7.332	7.277	7.378	VV	781	27827	0.61%	0.120%
76	7.384	7.378	7.430	VV	593	13780	0.30%	0.060%
77	7.438	7.430	7.481	VV	392	9928	0.22%	0.043%
78	7.492	7.481	7.508	VV	410	5346	0.12%	0.023%
79	7.525	7.508	7.555	VV	859	14531	0.32%	0.063%
80	7.569	7.555	7.611	VV	479	9763	0.21%	0.042%
81	7.629	7.611	7.642	VV	318	4576	0.10%	0.020%
82	7.667	7.642	7.684	VV	372	7941	0.17%	0.034%
83	7.716	7.684	7.734	VV	364	8879	0.19%	0.038%
84	7.738	7.734	7.760	VV	334	4041	0.09%	0.017%
85	7.785	7.760	7.908	VV	361	16281	0.36%	0.070%
86	7.923	7.908	7.958	VV	229	3849	0.08%	0.017%
87	7.974	7.958	8.007	VV	238	4143	0.09%	0.018%
88	8.028	8.007	8.054	VV	244	4009	0.09%	0.017%
89	8.058	8.054	8.068	VV	205	992	0.02%	0.004%

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90	8.089	8.068	8.134	VV	657	9605	0.21%	0.042%
91	8.140	8.134	8.152	VV	165	1205	0.03%	0.005%
92	8.159	8.152	8.164	VV	124	664	0.01%	0.003%
93	8.257	8.164	8.276	VV	871	23567	0.52%	0.102%
94	8.293	8.276	8.346	VV	622	14960	0.33%	0.065%
95	8.355	8.346	8.368	VV	213	2220	0.05%	0.010%
96	8.379	8.368	8.388	VV	170	1868	0.04%	0.008%
97	8.414	8.388	8.464	VV	360	9815	0.22%	0.042%
98	8.500	8.464	8.521	VV	392	8388	0.18%	0.036%
99	8.578	8.521	8.604	VV	591	20880	0.46%	0.090%
100	8.618	8.604	8.636	VV	501	8619	0.19%	0.037%
101	8.681	8.636	8.776	VV	1139	40543	0.89%	0.175%
102	8.804	8.776	8.884	VV	716	21298	0.47%	0.092%
103	8.914	8.884	8.932	VV	489	7003	0.15%	0.030%
104	8.962	8.932	8.999	VV	494	11365	0.25%	0.049%
105	9.015	8.999	9.028	VV	249	3515	0.08%	0.015%
106	9.058	9.028	9.092	VV	409	12600	0.28%	0.054%
107	9.160	9.092	9.201	VV	612	27268	0.60%	0.118%
108	9.221	9.201	9.277	VV	650	16308	0.36%	0.071%
109	9.297	9.277	9.327	VV	562	11164	0.24%	0.048%
110	9.375	9.327	9.386	VV	418	11177	0.24%	0.048%
111	9.418	9.386	9.481	VV	1691	45604	1.00%	0.197%
112	9.514	9.481	9.537	VV	849	18916	0.41%	0.082%
113	9.548	9.537	9.639	VV	509	21648	0.47%	0.094%
114	9.669	9.639	9.683	VV	343	7728	0.17%	0.033%
115	9.695	9.683	9.729	VV	432	8993	0.20%	0.039%
116	9.739	9.729	9.781	VV	300	8631	0.19%	0.037%
117	9.805	9.781	9.822	VV	383	7284	0.16%	0.031%
118	9.845	9.822	9.877	VV	1300	25898	0.57%	0.112%
119	9.897	9.877	9.930	VV	768	18577	0.41%	0.080%
120	9.941	9.930	9.964	VV	455	8783	0.19%	0.038%
121	9.975	9.964	10.002	VV	500	9352	0.20%	0.040%
122	10.021	10.002	10.065	VV	344	13043	0.29%	0.056%
123	10.074	10.065	10.101	VV	411	6722	0.15%	0.029%
124	10.131	10.101	10.148	VV	672	13151	0.29%	0.057%
125	10.171	10.148	10.278	VV	30889	439092	9.62%	1.899%
126	10.296	10.278	10.377	VV	1380	37574	0.82%	0.162%
127	10.403	10.377	10.438	VV	498	11450	0.25%	0.050%
128	10.466	10.438	10.498	VV	305	7514	0.16%	0.032%
129	10.514	10.498	10.536	VV	109	1978	0.04%	0.009%
130	10.573	10.536	10.587	VV	210	4111	0.09%	0.018%
131	10.611	10.587	10.624	VV	274	5251	0.12%	0.023%
132	10.646	10.624	10.673	VV	1781	24171	0.53%	0.105%
133	10.688	10.673	10.709	VV	418	5003	0.11%	0.022%
134	10.740	10.709	10.764	PV	554	11462	0.25%	0.050%
135	10.775	10.764	10.814	VV	345	7970	0.17%	0.034%
136	10.826	10.814	10.863	VV	332	7003	0.15%	0.030%
137	10.924	10.863	10.933	VV	368	11539	0.25%	0.050%
138	10.964	10.933	10.981	VV	806	15986	0.35%	0.069%
139	10.995	10.981	11.021	VV	1104	18168	0.40%	0.079%
140	11.040	11.021	11.053	VV	1174	15788	0.35%	0.068%
141	11.067	11.053	11.096	VV	1004	17348	0.38%	0.075%

					rteres			
142	11.107	11.096	11.126	VV	513	7361	0.16%	0.032%
143	11.145	11.126	11.156	VV	560	7784	0.17%	0.034%
144	11.174	11.156	11.234	VV	740	20980	0.46%	0.091%
145	11.265	11.234	11.291	VV	651	12501	0.27%	0.054%
146	11.314	11.291	11.367	VV	5229	89766	1.97%	0.388%
147	11.384	11.367	11.431	VV	975	24134	0.53%	0.104%
148	11.436	11.431	11.458	VV	447	5044	0.11%	0.022%
149	11.488	11.458	11.533	VV	342	10539	0.23%	0.046%
150	11.548	11.533	11.583	PV	254	3393	0.07%	0.015%
151	11.608	11.583	11.645	VV	378	8442	0.19%	0.037%
152	11.676	11.645	11.698	VV	1113	17678	0.39%	0.076%
153	11.719	11.698	11.730	VV	871	11965	0.26%	0.052%
154	11.748	11.730	11.759	VV	1123	15770	0.35%	0.068%
155	11.765	11.759	11.798	VV	1041	15090	0.33%	0.065%
156	11.823	11.798	11.889	VV	1754	37620	0.82%	0.163%
157	11.910	11.889	11.924	VV	362	5200	0.11%	0.022%
158	11.939	11.924	11.954	VV	476	5109	0.11%	0.022%
159	12.007	11.954	12.037	VV	1908	31729	0.70%	0.137%
160	12.073	12.037	12.131	VV	423042	4562614	100.00%	19.728%
161	12.147	12.131	12.190	VV	753	21871	0.48%	0.095%
162	12.208	12.190	12.221	VV	592	9454	0.21%	0.041%
163	12.232	12.221	12.250	VV	854	10369	0.23%	0.045%
164	12.295	12.250	12.330	VV	889	20987	0.46%	0.091%
165	12.354	12.330	12.385	PV	565	8923	0.20%	0.039%
166	12.414	12.385	12.461	VV	1150	31553	0.69%	0.136%
167	12.512	12.461	12.558	VV	5649	108872	2.39%	0.471%
168	12.579	12.558	12.622	VV	1870	42745	0.94%	0.185%
169	12.664	12.622	12.743	VV	48429	602147	13.20%	2.604%
170	12.755	12.743	12.772	VV	1030	15602	0.34%	0.067%
171	12.786	12.772	12.854	VV	902	29027	0.64%	0.126%
172	12.870	12.854	12.898	VV	535	12113	0.27%	0.052%
173	12.906	12.898	12.935	VV	437	7908	0.17%	0.034%
174	13.003	12.935	13.035	VV	1294	44960	0.99%	0.194%
175	13.060	13.035	13.104	VV	2181	36069	0.79%	0.156%
176	13.137	13.104	13.196	VV	4795	83666	1.83%	0.362%
177	13.219	13.196	13.254	VV	871	17630	0.39%	0.076%
178	13.280	13.254	13.291	VV	588	9114	0.20%	0.039%
179	13.323	13.291	13.371	VV	706	21252	0.47%	0.092%
180	13.377	13.371	13.394	VV	229	3027	0.07%	0.013%
181	13.436	13.394	13.459	VV	3904	55683	1.22%	0.241%
182	13.510	13.459	13.569	VV	297568	3529996	77.37%	15.263%
183	13.583	13.569	13.597	VV	889	12344	0.27%	0.053%
184	13.619	13.597	13.654	VV	940	19263	0.42%	0.083%
185	13.692	13.654	13.724	VV	1528	44339	0.97%	0.192%
186	13.742	13.724	13.761	VV	1859	31799	0.70%	0.137%
187	13.772	13.761	13.844	VV	1290	36429	0.80%	0.158%
188	13.903	13.844	13.990	VV	4587	92419	2.03%	0.400%
189	14.029	13.990	14.078	VV	889	24661	0.54%	0.107%
190	14.082	14.078	14.111	VV	409	5833	0.13%	0.025%
191	14.140	14.111	14.159	VV	567	11573	0.25%	0.050%
192	14.214	14.159	14.242	VV	4189	68999	1.51%	0.298%
193	14.263	14.242	14.331	VV	1507	39693	0.87%	0.172%
194	14.351	14.331	14.381	VV	577	10488	0.23%	0.045%

					rteres			
195	14.393	14.381	14.408	VV	292	3859	0.08%	0.017%
196	14.419	14.408	14.435	VV	186	1925	0.04%	0.008%
197	14.484	14.435	14.578	PV	321	15684	0.34%	0.068%
198	14.633	14.578	14.643	VV	336	7463	0.16%	0.032%
199	14.671	14.643	14.680	VV	873	13719	0.30%	0.059%
200	14.700	14.680	14.743	VV	1453	30789	0.67%	0.133%
201	14.776	14.743	14.806	VV	1076	24488	0.54%	0.106%
202	14.830	14.806	14.851	VV	1253	24119	0.53%	0.104%
203	14.861	14.851	14.879	VV	967	14338	0.31%	0.062%
204	14.900	14.879	14.921	VV	1337	21973	0.48%	0.095%
205	14.937	14.921	14.998	VV	679	21599	0.47%	0.093%
206	15.012	14.998	15.034	VV	630	9449	0.21%	0.041%
207	15.055	15.034	15.113	VV	777	20936	0.46%	0.091%
208	15.139	15.113	15.182	VV	309	8594	0.19%	0.037%
209	15.202	15.182	15.258	VV	380	13012	0.29%	0.056%
210	15.280	15.258	15.291	VV	352	5478	0.12%	0.024%
211	15.326	15.291	15.346	VV	4413	70007	1.53%	0.303%
212	15.365	15.346	15.395	VV	4304	73692	1.62%	0.319%
213	15.415	15.395	15.455	VV	2161	35226	0.77%	0.152%
214	15.487	15.455	15.544	VV	632	18392	0.40%	0.080%
215	15.562	15.544	15.601	VV	375	5493	0.12%	0.024%
216	15.630	15.601	15.648	PV	405	5335	0.12%	0.023%
217	15.669	15.648	15.723	VV	1460	27759	0.61%	0.120%
218	15.759	15.723	15.831	VV	11390	304297	6.67%	1.316%
219	15.847	15.831	15.870	VV	1580	29190	0.64%	0.126%
220	15.892	15.870	15.929	VV	1666	39698	0.87%	0.172%
221	15.972	15.929	16.071	VV	7305	136122	2.98%	0.589%
222	16.087	16.071	16.118	VV	255	3579	0.08%	0.015%
223	16.159	16.118	16.189	VV	432	12631	0.28%	0.055%
224	16.210	16.189	16.254	VV	436	7485	0.16%	0.032%
225	16.288	16.254	16.316	PV	494	13140	0.29%	0.057%
226	16.356	16.316	16.373	VV	1225	23868	0.52%	0.103%
227	16.393	16.373	16.421	VV	1779	27706	0.61%	0.120%
228	16.457	16.421	16.497	VV	1393	26549	0.58%	0.115%
229	16.525	16.497	16.551	VV	436	8815	0.19%	0.038%
230	16.590	16.551	16.657	PV	345	11364	0.25%	0.049%
231	16.696	16.657	16.718	PV	634	10258	0.22%	0.044%
232	16.736	16.718	16.751	VV	279	4611	0.10%	0.020%
233	16.782	16.751	16.821	VV	2417	64210	1.41%	0.278%
234	16.843	16.821	16.859	VV	2096	36887	0.81%	0.159%
235	16.884	16.859	16.909	VV	4725	89866	1.97%	0.389%
236	16.916	16.909	16.935	VV	1755	22183	0.49%	0.096%
237	16.961	16.935	16.984	VV	3154	53048	1.16%	0.229%
238	17.012	16.984	17.065	VV	12125	199112	4.36%	0.861%
239	17.076	17.065	17.107	VV	793	11273	0.25%	0.049%
240	17.147	17.107	17.164	VV	486	8527	0.19%	0.037%
241	17.213	17.164	17.242	VV	1713	35432	0.78%	0.153%
242	17.272	17.242	17.295	VV	2263	41052	0.90%	0.178%
243	17.311	17.295	17.322	VV	1571	20819	0.46%	0.090%
244	17.345	17.322	17.369	VV	5394	85782	1.88%	0.371%
245	17.396	17.369	17.416	VV	12435	180635	3.96%	0.781%
246	17.423	17.416	17.454	VV	4652	54177	1.19%	0.234%

					rteres			
247	17.480	17.454	17.528	VV	384	10465	0.23%	0.045%
248	17.552	17.528	17.574	VV	430	7064	0.15%	0.031%
249	17.598	17.574	17.663	VV	382	11269	0.25%	0.049%
250	17.730	17.663	17.767	VV	2879	102424	2.24%	0.443%
251	17.795	17.767	17.850	VV	10486	176159	3.86%	0.762%
252	17.882	17.850	17.911	VV	2099	37412	0.82%	0.162%
253	17.932	17.911	17.954	VV	626	12154	0.27%	0.053%
254	17.971	17.954	17.993	VV	419	6581	0.14%	0.028%
255	18.021	17.993	18.045	PV	644	10352	0.23%	0.045%
256	18.081	18.045	18.104	VV	500	7222	0.16%	0.031%
257	18.122	18.104	18.151	VV	258	4197	0.09%	0.018%
258	18.199	18.151	18.207	VV	1824	38545	0.84%	0.167%
259	18.235	18.207	18.293	VV	13112	211425	4.63%	0.914%
260	18.326	18.293	18.384	VV	6601	124762	2.73%	0.539%
261	18.426	18.384	18.440	VV	1268	30285	0.66%	0.131%
262	18.478	18.440	18.536	VV	2350	65425	1.43%	0.283%
263	18.571	18.536	18.586	VV	4339	74285	1.63%	0.321%
264	18.610	18.586	18.634	VV	6686	161804	3.55%	0.700%
265	18.658	18.634	18.714	VV	18537	374370	8.21%	1.619%
266	18.757	18.714	18.838	VV	3007	108319	2.37%	0.468%
267	18.867	18.838	18.880	VV	762	15550	0.34%	0.067%
268	18.905	18.880	18.948	VV	1986	46396	1.02%	0.201%
269	18.962	18.948	19.000	VV	579	10788	0.24%	0.047%
270	19.069	19.000	19.134	PV	14333	268533	5.89%	1.161%
271	19.170	19.134	19.214	VV	6317	119127	2.61%	0.515%
272	19.236	19.214	19.260	VV	958	19900	0.44%	0.086%
273	19.277	19.260	19.304	VV	577	10996	0.24%	0.048%
274	19.354	19.304	19.391	VV	760	27978	0.61%	0.121%
275	19.467	19.391	19.534	VV	13347	394587	8.65%	1.706%
276	19.567	19.534	19.598	VV	2817	78074	1.71%	0.338%
277	19.617	19.598	19.640	VV	1866	37827	0.83%	0.164%
278	19.668	19.640	19.692	VV	1848	44916	0.98%	0.194%
279	19.719	19.692	19.741	VV	1674	39418	0.86%	0.170%
280	19.772	19.741	19.800	VV	1813	47573	1.04%	0.206%
281	19.854	19.800	19.888	VV	9354	189028	4.14%	0.817%
282	19.931	19.888	19.944	VV	3658	79998	1.75%	0.346%
283	19.965	19.944	20.013	VV	4876	122758	2.69%	0.531%
284	20.043	20.013	20.078	VV	3186	96965	2.13%	0.419%
285	20.096	20.078	20.109	VV	2603	47473	1.04%	0.205%
286	20.143	20.109	20.171	VV	3396	109200	2.39%	0.472%
287	20.229	20.171	20.304	VV	10089	375551	8.23%	1.624%
288	20.333	20.304	20.385	VV	4360	184691	4.05%	0.799%
289	20.484	20.385	20.526	VV	5911	410441	9.00%	1.775%
290	20.596	20.526	20.664	VV	9583	483960	10.61%	2.093%
291	20.711	20.664	20.736	VV	5810	230798	5.06%	0.998%
292	20.766	20.736	20.798	VV	8036	240179	5.26%	1.038%
293	20.851	20.798	20.897	VV	5932	336584	7.38%	1.455%
294	20.965	20.897	21.001	VV	7716	387194	8.49%	1.674%
295	21.006	21.001	21.050	VV	5927	170226	3.73%	0.736%
296	21.080	21.050	21.125	VV	6093	256354	5.62%	1.108%
297	21.150	21.125	21.200	VV	5636	242117	5.31%	1.047%
298	21.282	21.200	21.292	VV	5541	288447	6.32%	1.247%
299	21.310	21.292	21.330	VV	5434	120299	2.64%	0.520%

					rters			
300	21.371	21.330	21.469	VV	7428	444214	9.74%	1.921%
301	21.489	21.469	21.515	VV	4108	110141	2.41%	0.476%
302	21.527	21.515	21.554	VV	3758	86205	1.89%	0.373%
303	21.601	21.554	21.623	VV	3640	145515	3.19%	0.629%
304	21.638	21.623	21.650	VV	3615	57006	1.25%	0.246%
305	21.711	21.650	21.731	VV	3973	177594	3.89%	0.768%
306	21.759	21.731	21.767	VV	3840	80387	1.76%	0.348%
307	21.776	21.767	21.784	VV	3860	38597	0.85%	0.167%
308	21.830	21.784	21.881	VV	4092	211783	4.64%	0.916%
309	21.895	21.881	21.955	VV	2986	121496	2.66%	0.525%
310	21.969	21.955	22.068	VV	2418	126804	2.78%	0.548%
311	22.102	22.068	22.130	VV	1241	42713	0.94%	0.185%
312	22.139	22.130	22.150	VV	1010	11293	0.25%	0.049%
313	22.160	22.150	22.171	VV	934	11246	0.25%	0.049%
314	22.220	22.171	22.273	VV	885	43103	0.94%	0.186%
315	22.355	22.273	22.464	VV	1807	90493	1.98%	0.391%
316	22.515	22.464	22.531	VV	159	6857	0.15%	0.030%
					Sum of corrected areas:	23127570		

Aliphatic EPH 082925.M Fri Sep 05 02:24:10 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	09/03/25
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	09/03/25
Client Sample ID:	4	SDG No.:	Q3012
Lab Sample ID:	Q3012-06	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_F2

Prep Date :	Date Analyzed :	Prep Batch ID
09/04/25 09:05	09/04/25 20:35	PB169545

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	4.94		1	0.96	4.21	mg/kg	FE055674.D
Total EPH	Total EPH	4.94			0.96	4.21	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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:	Sciacca General Contractors, LLC	Date Collected:	09/03/25
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	09/03/25
Client Sample ID:	4	SDG No.:	Q3012
Lab Sample ID:	Q3012-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055674.D	1	09/04/25	09/04/25	PB169545

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.94		0.96	4.21	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.83		1.24	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.4		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.8		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3012-06	Acq On:	04 Sep 2025 20:35
Client Sample ID:	4	Operator:	YP\AJ
Data file:	FE055674.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	3.312	6.946	343015	2.671	300	ug/ml
Aliphatic C12-C16	6.947	10.398	952004	7.047	200	ug/ml
Aliphatic C16-C21	10.399	13.777	6163158	42.735	300	ug/ml
Aliphatic C21-C28	13.778	17.448	2565891	17.914	400	ug/ml
Aliphatic C28-C40	17.449	22.463	9473676	68.79	600	ug/ml
Aliphatic EPH	3.312	22.463	19497744	139.157		ug/ml
ortho-Terphenyl (SURR)	12.073	12.073	4410059	26.84		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	3431139	27.44		ug/ml
Aliphatic C9-C28	3.312	17.448	10024068	70.367	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055674.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 20:35
 Operator : YP\AJ
 Sample : Q3012-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 4

Integration File: autoint1.e
 Quant Time: Sep 05 01:29:59 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)	12.073	4410059	26.844 ug/ml
Spiked Amount 50.000		Recovery =	53.69%
12) S 1-chlorooctadecane (S...	13.509	3431139	27.439 ug/ml
Spiked Amount 50.000		Recovery =	54.88%

Target Compounds

(f)=RT Delta > 1/2 Window

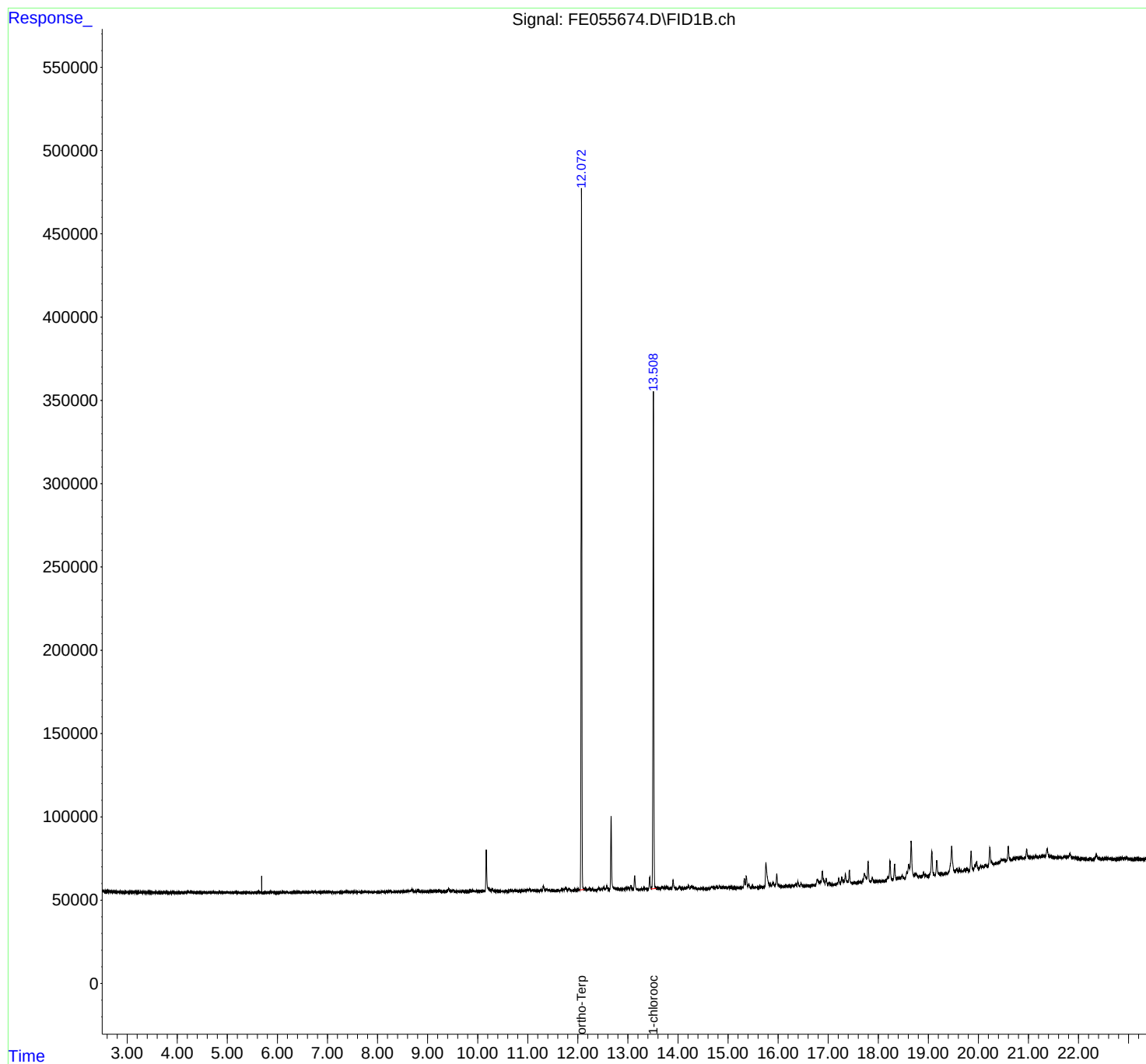
(m)=manual int.

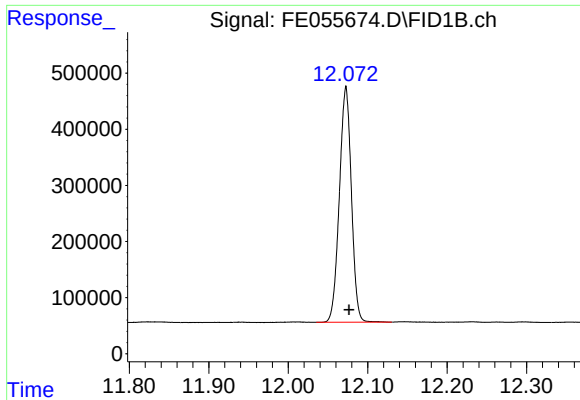
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
Data File : FE055674.D
Signal(s) : FID1B.ch
Acq On : 04 Sep 2025 20:35
Operator : YP\AJ
Sample : Q3012-06
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
4

Integration File: autoint1.e
Quant Time: Sep 05 01:29:59 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

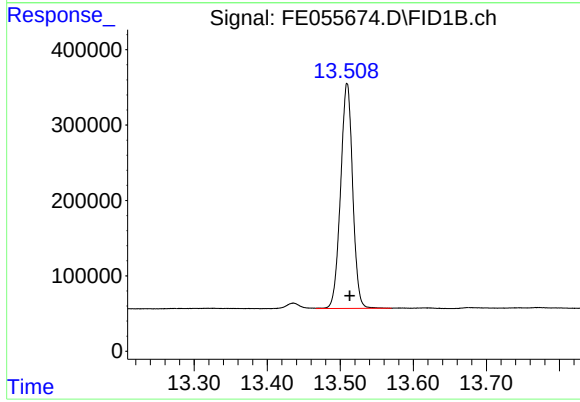




#9 ortho-Terphenyl (SURR)

R.T.: 12.073 min
Delta R.T.: -0.004 min
Response: 4410059
Conc: 26.84 ug/ml

Instrument :
FID_E
ClientSampleId :
4



#12 1-chlorooctadecane (SURR)

R.T.: 13.509 min
Delta R.T.: -0.004 min
Response: 3431139
Conc: 27.44 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
Data File : FE055674.D
Signal(s) : FID1B.ch
Acq On : 04 Sep 2025 20:35
Sample : Q3012-06
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	2.959	2.921	2.979	BV	82	1108	0.02%	0.005%
2	2.997	2.979	3.017	PV	92	1470	0.03%	0.006%
3	3.032	3.017	3.049	VV	166	2482	0.06%	0.011%
4	3.055	3.049	3.140	VV	153	4598	0.10%	0.020%
5	3.188	3.140	3.203	PV	155	3343	0.07%	0.014%
6	3.221	3.203	3.262	VV	131	2060	0.05%	0.009%
7	3.275	3.262	3.283	VV	88	822	0.02%	0.004%
8	3.308	3.283	3.357	VV	223	4983	0.11%	0.022%
9	3.409	3.357	3.481	VV	257	9813	0.22%	0.042%
10	3.487	3.481	3.501	VV	180	1738	0.04%	0.008%
11	3.509	3.501	3.515	VV	179	1166	0.03%	0.005%
12	3.522	3.515	3.565	VV	156	4450	0.10%	0.019%
13	3.577	3.565	3.607	VV	259	4502	0.10%	0.019%
14	3.627	3.607	3.638	VV	287	3187	0.07%	0.014%
15	3.649	3.638	3.674	VV	223	3685	0.08%	0.016%
16	3.683	3.674	3.713	VV	204	2147	0.05%	0.009%
17	3.782	3.713	3.792	PV	259	8068	0.18%	0.035%
18	3.864	3.792	3.965	VV	232	18194	0.40%	0.079%
19	3.974	3.965	3.983	VV	215	1489	0.03%	0.006%
20	3.997	3.983	4.062	VV	201	6889	0.15%	0.030%
21	4.108	4.062	4.129	VV	202	5789	0.13%	0.025%
22	4.136	4.129	4.179	VV	215	3733	0.08%	0.016%
23	4.209	4.179	4.238	VV	826	13861	0.31%	0.060%
24	4.256	4.238	4.356	VV	476	18701	0.42%	0.081%
25	4.365	4.356	4.398	VV	158	3557	0.08%	0.015%
26	4.402	4.398	4.409	VV	238	1141	0.03%	0.005%
27	4.415	4.409	4.427	VV	181	1681	0.04%	0.007%
28	4.442	4.427	4.486	VV	271	5223	0.12%	0.023%
29	4.523	4.486	4.551	VV	257	5821	0.13%	0.025%
30	4.563	4.551	4.578	VV	179	2538	0.06%	0.011%
31	4.586	4.578	4.613	VV	192	3275	0.07%	0.014%
32	4.655	4.613	4.686	VV	250	8028	0.18%	0.035%
33	4.704	4.686	4.814	VV	278	12379	0.28%	0.053%
34	4.843	4.814	4.884	VV	429	7376	0.16%	0.032%
35	4.892	4.884	4.937	VV	167	3647	0.08%	0.016%
36	4.957	4.937	5.001	VV	140	4589	0.10%	0.020%

					rt	er		
37	5.007	5.001	5.037	VV	147	2429	0.05%	0.010%
38	5.059	5.037	5.098	VV	205	4859	0.11%	0.021%
39	5.105	5.098	5.298	VV	115	12625	0.28%	0.055%
40	5.334	5.298	5.369	VV	212	4423	0.10%	0.019%
41	5.444	5.369	5.478	VV	138	5524	0.12%	0.024%
42	5.495	5.478	5.563	VV	138	4316	0.10%	0.019%
43	5.621	5.563	5.769	VV	720	22358	0.50%	0.097%
44	5.861	5.769	5.968	PV	647	15899	0.35%	0.069%
45	6.001	5.968	6.025	VV	106	1700	0.04%	0.007%
46	6.061	6.025	6.103	VV	206	4164	0.09%	0.018%
47	6.135	6.103	6.167	VV	268	4491	0.10%	0.019%
48	6.187	6.167	6.267	VV	186	4882	0.11%	0.021%
49	6.396	6.267	6.462	PV	445	19885	0.44%	0.086%
50	6.496	6.462	6.528	VV	233	8184	0.18%	0.035%
51	6.552	6.528	6.594	VV	422	9440	0.21%	0.041%
52	6.621	6.594	6.660	VV	232	6195	0.14%	0.027%
53	6.687	6.660	6.724	VV	558	10805	0.24%	0.047%
54	6.746	6.724	6.803	VV	223	9159	0.20%	0.040%
55	6.841	6.803	6.873	VV	221	7657	0.17%	0.033%
56	6.891	6.873	6.901	VV	193	2792	0.06%	0.012%
57	6.930	6.901	6.976	VV	678	14561	0.32%	0.063%
58	6.995	6.976	7.046	VV	225	6833	0.15%	0.030%
59	7.060	7.046	7.088	VV	173	3081	0.07%	0.013%
60	7.130	7.088	7.163	VV	188	4318	0.10%	0.019%
61	7.192	7.163	7.229	VV	74	2407	0.05%	0.010%
62	7.338	7.229	7.403	VV	337	17091	0.38%	0.074%
63	7.421	7.403	7.469	VV	198	5871	0.13%	0.025%
64	7.491	7.469	7.510	VV	242	4053	0.09%	0.018%
65	7.531	7.510	7.556	VV	309	5334	0.12%	0.023%
66	7.569	7.556	7.609	VV	280	4875	0.11%	0.021%
67	7.632	7.609	7.644	VV	194	2530	0.06%	0.011%
68	7.668	7.644	7.696	VV	218	5797	0.13%	0.025%
69	7.746	7.696	7.762	VV	218	7330	0.16%	0.032%
70	7.793	7.762	7.836	VV	298	8239	0.18%	0.036%
71	7.855	7.836	7.896	VV	139	3290	0.07%	0.014%
72	7.928	7.896	8.044	VV	154	6304	0.14%	0.027%
73	8.089	8.044	8.129	PV	565	9466	0.21%	0.041%
74	8.142	8.129	8.156	VV	93	2123	0.05%	0.009%
75	8.256	8.156	8.356	VV	837	35638	0.79%	0.154%
76	8.580	8.356	8.633	VV	595	60109	1.34%	0.260%
77	8.684	8.633	8.763	VV	1353	47058	1.05%	0.203%
78	8.805	8.763	8.983	VV	992	44134	0.98%	0.191%
79	9.161	8.983	9.203	VV	610	50616	1.13%	0.219%
80	9.222	9.203	9.296	VV	745	19719	0.44%	0.085%
81	9.420	9.296	9.483	VV	1657	62142	1.38%	0.269%
82	9.513	9.483	9.637	VV	1017	32200	0.72%	0.139%
83	9.896	9.637	9.943	VV	710	48225	1.07%	0.208%
84	9.971	9.943	10.096	VV	374	25107	0.56%	0.108%
85	10.173	10.096	10.529	VV	21852	428114	9.53%	1.850%
86	10.647	10.529	10.863	PV	1017	57957	1.29%	0.250%
87	11.037	10.863	11.084	VV	1443	74906	1.67%	0.324%
88	11.115	11.084	11.209	VV	603	28158	0.63%	0.122%
89	11.313	11.209	11.363	VV	2915	78513	1.75%	0.339%

					rteres			
90	11.385	11.363	11.574	VV	1206	44420	0.99%	0.192%
91	11.609	11.574	11.640	PV	576	10215	0.23%	0.044%
92	11.757	11.640	11.803	VV	1480	73252	1.63%	0.317%
93	11.830	11.803	11.876	VV	1146	29488	0.66%	0.127%
94	11.939	11.876	11.967	VV	630	14028	0.31%	0.061%
95	12.072	11.967	12.193	VV	394195	4493289	100.00%	19.417%
96	12.228	12.193	12.276	VV	1189	32533	0.72%	0.141%
97	12.294	12.276	12.377	VV	1078	22955	0.51%	0.099%
98	12.416	12.377	12.454	VV	1336	31306	0.70%	0.135%
99	12.517	12.454	12.556	VV	2093	61954	1.38%	0.268%
100	12.578	12.556	12.636	VV	2684	59037	1.31%	0.255%
101	12.665	12.636	12.936	VV	42995	643980	14.33%	2.783%
102	13.061	12.936	13.109	VV	2487	104520	2.33%	0.452%
103	13.137	13.109	13.243	VV	8391	140226	3.12%	0.606%
104	13.320	13.243	13.387	VV	800	43497	0.97%	0.188%
105	13.509	13.387	13.647	VV	298700	3622465	80.62%	15.654%
106	13.684	13.647	13.717	VV	1356	41665	0.93%	0.180%
107	13.771	13.717	13.843	VV	1589	77259	1.72%	0.334%
108	13.903	13.843	13.983	VV	5578	117423	2.61%	0.507%
109	14.028	13.983	14.076	VV	1518	42833	0.95%	0.185%
110	14.210	14.076	14.441	VV	2213	163870	3.65%	0.708%
111	14.502	14.441	14.573	VV	336	19680	0.44%	0.085%
112	14.695	14.573	14.749	PV	1229	59978	1.33%	0.259%
113	14.830	14.749	15.161	VV	1706	161979	3.60%	0.700%
114	15.208	15.161	15.247	VV	322	13330	0.30%	0.058%
115	15.364	15.247	15.454	VV	7195	248170	5.52%	1.072%
116	15.488	15.454	15.595	VV	974	32157	0.72%	0.139%
117	15.667	15.595	15.716	PV	419	18563	0.41%	0.080%
118	15.761	15.716	15.869	VV	12858	397564	8.85%	1.718%
119	15.898	15.869	15.933	VV	2620	69572	1.55%	0.301%
120	15.974	15.933	16.103	VV	7818	164599	3.66%	0.711%
121	16.160	16.103	16.249	VV	744	35072	0.78%	0.152%
122	16.393	16.249	16.554	VV	3045	140838	3.13%	0.609%
123	16.610	16.554	16.647	PV	295	10418	0.23%	0.045%
124	16.786	16.647	16.822	VV	3561	120851	2.69%	0.522%
125	16.885	16.822	17.101	VV	8444	344867	7.68%	1.490%
126	17.212	17.101	17.240	PV	3449	65035	1.45%	0.281%
127	17.345	17.240	17.396	VV	6090	215890	4.80%	0.933%
128	17.423	17.396	17.475	VV	8085	123202	2.74%	0.532%
129	17.728	17.475	17.769	VV	4910	197554	4.40%	0.854%
130	17.796	17.769	17.849	VV	12283	203251	4.52%	0.878%
131	17.882	17.849	18.003	VV	2749	55948	1.25%	0.242%
132	18.025	18.003	18.056	VV	420	6316	0.14%	0.027%
133	18.234	18.056	18.296	PV	11835	244870	5.45%	1.058%
134	18.326	18.296	18.389	VV	9259	161277	3.59%	0.697%
135	18.477	18.389	18.524	VV	2469	87847	1.96%	0.380%
136	18.657	18.524	18.716	VV	22200	707695	15.75%	3.058%
137	18.751	18.716	18.836	VV	2679	99515	2.21%	0.430%
138	18.908	18.836	18.994	VV	2274	78492	1.75%	0.339%
139	19.069	18.994	19.129	VV	15109	294612	6.56%	1.273%
140	19.170	19.129	19.302	VV	9218	213617	4.75%	0.923%
141	19.467	19.302	19.529	VV	16487	511923	11.39%	2.212%

					rteres			
142	19.569	19.529	19.805	VV	3024	288369	6.42%	1.246%
143	19.855	19.805	19.903	VV	12537	248576	5.53%	1.074%
144	19.964	19.903	20.007	VV	5981	208100	4.63%	0.899%
145	20.144	20.007	20.183	VV	3715	287418	6.40%	1.242%
146	20.230	20.183	20.309	VV	13874	436329	9.71%	1.886%
147	20.472	20.309	20.529	VV	5995	597428	13.30%	2.582%
148	20.596	20.529	20.650	VV	13210	483548	10.76%	2.090%
149	20.766	20.650	20.909	VV	6428	855379	19.04%	3.696%
150	20.965	20.909	21.083	VV	10037	632082	14.07%	2.731%
151	21.145	21.083	21.191	VV	5809	346531	7.71%	1.497%
152	21.289	21.191	21.321	VV	5612	409557	9.11%	1.770%
153	21.371	21.321	21.564	VV	9454	742939	16.53%	3.210%
154	21.599	21.564	21.671	VV	3669	224817	5.00%	0.972%
155	21.830	21.671	22.184	VV	4949	720797	16.04%	3.115%
156	22.228	22.184	22.289	VV	751	35326	0.79%	0.153%
157	22.356	22.289	22.469	VV	2850	93563	2.08%	0.404%
					Sum of corrected areas:	23141073		

Aliphatic EPH 082925.M Fri Sep 05 02:24:28 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	09/03/25
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	09/03/25
Client Sample ID:	5	SDG No.:	Q3012
Lab Sample ID:	Q3012-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/04/25 09:05	09/04/25 21:06	PB169545

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	3.54	J	1	0.99	4.35	mg/kg	FE055675.D
Total EPH	Total EPH	3.54	J		0.99	4.35	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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:	Sciacca General Contractors, LLC	Date Collected:	09/03/25
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	09/03/25
Client Sample ID:	5	SDG No.:	Q3012
Lab Sample ID:	Q3012-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055675.D	1	09/04/25	09/04/25	PB169545

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.54	J	0.99	4.35	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.02		1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.2		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.1		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3012-07	Acq On:	04 Sep 2025 21:06
Client Sample ID:	5	Operator:	YP\AJ
Data file:	FE055675.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	3.312	6.946	532011	4.143	300	ug/ml
Aliphatic C12-C16	6.947	10.398	1214855	8.993	200	ug/ml
Aliphatic C16-C21	10.399	13.777	2099058	14.555	300	ug/ml
Aliphatic C21-C28	13.778	17.448	3039525	21.22	400	ug/ml
Aliphatic C28-C40	17.449	22.463	11454764	83.174	600	ug/ml
Aliphatic EPH	3.312	22.463	18340213	132.086		ug/ml
ortho-Terphenyl (SURR)	12.072	12.072	4125248	25.11		ug/ml
1-chlorooctadecane (SURR)	13.508	13.508	3147487	25.17		ug/ml
Aliphatic C9-C28	3.312	17.448	6885449	48.911	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055675.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 21:06
 Operator : YP\AJ
 Sample : Q3012-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5

Integration File: autoint1.e
 Quant Time: Sep 05 01:30:19 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)	12.072	4125248	25.110 ug/ml
Spiked Amount 50.000		Recovery =	50.22%
12) S 1-chlorooctadecane (S...	13.508	3147487	25.171 ug/ml
Spiked Amount 50.000		Recovery =	50.34%

Target Compounds

(f)=RT Delta > 1/2 Window

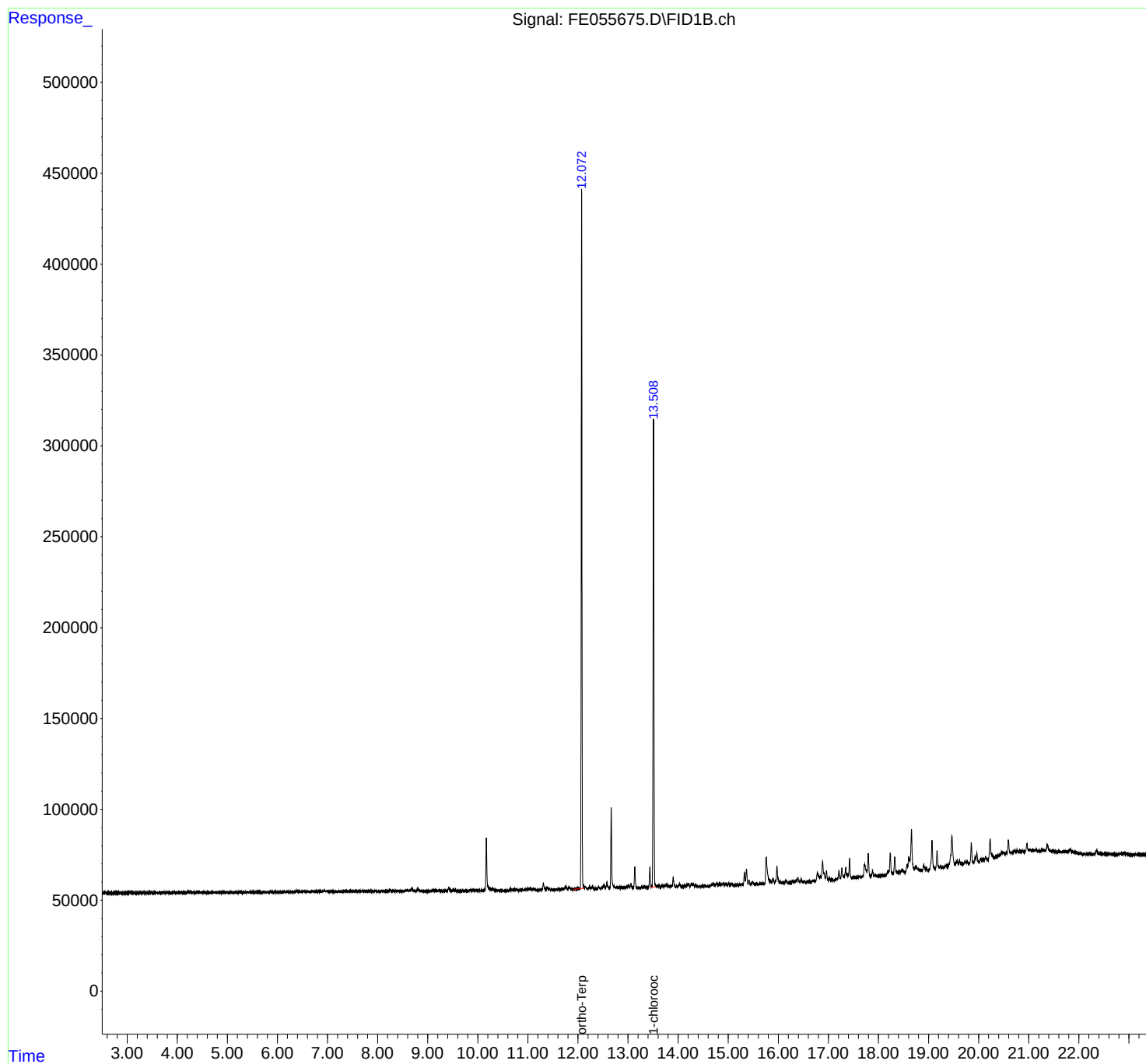
(m)=manual int.

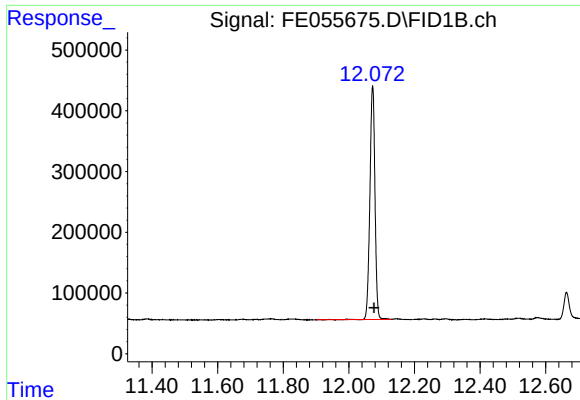
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
Data File : FE055675.D
Signal(s) : FID1B.ch
Acq On : 04 Sep 2025 21:06
Operator : YP\AJ
Sample : Q3012-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5

Integration File: autoint1.e
Quant Time: Sep 05 01:30:19 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

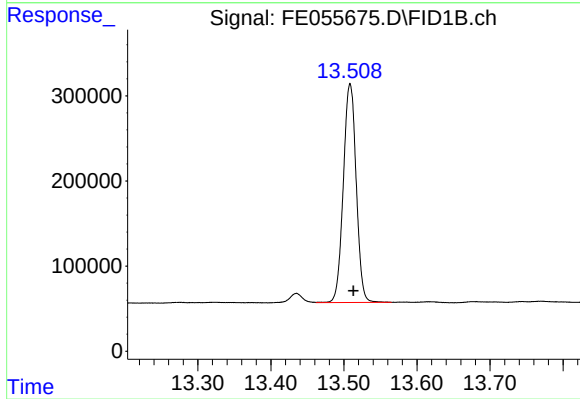




#9 ortho-Terphenyl (SURR)

R.T.: 12.072 min
Delta R.T.: -0.004 min
Response: 4125248
Conc: 25.11 ug/ml

Instrument :
FID_E
ClientSampleId :
5



#12 1-chlorooctadecane (SURR)

R.T.: 13.508 min
Delta R.T.: -0.004 min
Response: 3147487
Conc: 25.17 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
Data File : FE055675.D
Signal(s) : FID1B.ch
Acq On : 04 Sep 2025 21:06
Sample : Q3012-07
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	2.867	2.821	2.901	BV	71	1096	0.03%	0.004%
2	2.912	2.901	2.948	PV	122	1612	0.04%	0.006%
3	2.955	2.948	2.988	VV	123	1499	0.04%	0.006%
4	3.053	2.988	3.086	VV	213	7226	0.17%	0.028%
5	3.095	3.086	3.143	VV	153	3417	0.08%	0.013%
6	3.157	3.143	3.178	VV	213	2495	0.06%	0.010%
7	3.186	3.178	3.200	VV	99	1131	0.03%	0.004%
8	3.219	3.200	3.253	VV	161	2622	0.06%	0.010%
9	3.266	3.253	3.281	VV	84	1455	0.03%	0.006%
10	3.292	3.281	3.323	VV	199	2733	0.07%	0.011%
11	3.334	3.323	3.353	VV	130	1701	0.04%	0.007%
12	3.420	3.353	3.472	VV	192	10341	0.25%	0.040%
13	3.486	3.472	3.508	VV	187	2614	0.06%	0.010%
14	3.530	3.508	3.560	VV	173	4390	0.11%	0.017%
15	3.574	3.560	3.592	VV	205	2744	0.07%	0.011%
16	3.625	3.592	3.648	VV	185	5429	0.13%	0.021%
17	3.661	3.648	3.699	VV	176	5646	0.14%	0.022%
18	3.737	3.699	3.747	VV	283	5797	0.14%	0.023%
19	3.761	3.747	3.791	VV	257	5046	0.12%	0.020%
20	3.801	3.791	3.824	VV	159	2824	0.07%	0.011%
21	3.835	3.824	3.848	VV	193	2099	0.05%	0.008%
22	3.870	3.848	3.919	VV	205	6692	0.16%	0.026%
23	3.931	3.919	3.958	VV	176	3083	0.07%	0.012%
24	3.965	3.958	3.974	VV	149	1141	0.03%	0.004%
25	4.008	3.974	4.018	VV	187	3873	0.09%	0.015%
26	4.055	4.018	4.071	VV	198	4598	0.11%	0.018%
27	4.156	4.071	4.169	VV	214	8274	0.20%	0.032%
28	4.207	4.169	4.240	VV	756	15362	0.37%	0.060%
29	4.254	4.240	4.351	VV	465	16985	0.41%	0.066%
30	4.408	4.351	4.434	VV	291	11943	0.29%	0.046%
31	4.446	4.434	4.478	VV	342	5476	0.13%	0.021%
32	4.521	4.478	4.621	VV	212	12787	0.31%	0.050%
33	4.631	4.621	4.656	VV	207	2403	0.06%	0.009%
34	4.672	4.656	4.704	VV	298	5852	0.14%	0.023%
35	4.716	4.704	4.728	VV	231	2756	0.07%	0.011%
36	4.734	4.728	4.817	VV	193	8178	0.20%	0.032%

					rteres			
37	4.842	4.817	4.885	VV	389	8957	0.22%	0.035%
38	4.907	4.885	4.929	VV	345	5855	0.14%	0.023%
39	4.956	4.929	4.988	VV	215	5950	0.14%	0.023%
40	4.996	4.988	5.021	VV	183	2977	0.07%	0.012%
41	5.065	5.021	5.172	VV	239	17567	0.42%	0.068%
42	5.179	5.172	5.191	VV	212	2217	0.05%	0.009%
43	5.194	5.191	5.215	VV	227	2198	0.05%	0.009%
44	5.235	5.215	5.268	VV	153	3788	0.09%	0.015%
45	5.337	5.268	5.364	VV	271	8932	0.21%	0.035%
46	5.392	5.364	5.415	VV	254	5634	0.14%	0.022%
47	5.425	5.415	5.478	VV	225	7098	0.17%	0.028%
48	5.494	5.478	5.548	VV	238	7807	0.19%	0.030%
49	5.555	5.548	5.575	VV	213	3099	0.07%	0.012%
50	5.584	5.575	5.593	VV	189	1792	0.04%	0.007%
51	5.619	5.593	5.676	VV	591	14707	0.35%	0.057%
52	5.688	5.676	5.729	VV	281	6584	0.16%	0.026%
53	5.743	5.729	5.780	VV	229	5335	0.13%	0.021%
54	5.792	5.780	5.823	VV	217	3431	0.08%	0.013%
55	5.860	5.823	5.918	PV	747	19150	0.46%	0.074%
56	5.936	5.918	5.951	VV	275	5057	0.12%	0.020%
57	5.961	5.951	5.974	VV	264	3710	0.09%	0.014%
58	6.002	5.974	6.028	VV	331	8999	0.22%	0.035%
59	6.064	6.028	6.094	VV	411	12203	0.29%	0.047%
60	6.135	6.094	6.164	VV	412	13238	0.32%	0.051%
61	6.185	6.164	6.216	VV	461	10116	0.24%	0.039%
62	6.231	6.216	6.261	VV	337	7414	0.18%	0.029%
63	6.325	6.261	6.334	VV	386	13149	0.32%	0.051%
64	6.393	6.334	6.451	VV	738	30818	0.74%	0.120%
65	6.489	6.451	6.504	VV	422	11553	0.28%	0.045%
66	6.516	6.504	6.522	VV	407	3907	0.09%	0.015%
67	6.551	6.522	6.611	VV	643	23358	0.56%	0.091%
68	6.624	6.611	6.667	VV	419	12484	0.30%	0.049%
69	6.687	6.667	6.721	VV	535	14984	0.36%	0.058%
70	6.844	6.721	6.870	VV	504	36830	0.88%	0.143%
71	6.886	6.870	6.904	VV	452	7076	0.17%	0.028%
72	6.926	6.904	6.988	VV	824	26003	0.62%	0.101%
73	6.999	6.988	7.027	VV	506	8910	0.21%	0.035%
74	7.037	7.027	7.071	VV	427	8019	0.19%	0.031%
75	7.078	7.071	7.095	VV	365	3906	0.09%	0.015%
76	7.136	7.095	7.149	VV	438	9848	0.24%	0.038%
77	7.192	7.149	7.224	VV	316	12139	0.29%	0.047%
78	7.261	7.224	7.293	VV	404	12944	0.31%	0.050%
79	7.302	7.293	7.308	VV	361	2665	0.06%	0.010%
80	7.344	7.308	7.367	VV	543	15309	0.37%	0.060%
81	7.383	7.367	7.458	VV	527	24245	0.58%	0.094%
82	7.497	7.458	7.518	VV	555	16790	0.40%	0.065%
83	7.527	7.518	7.558	VV	570	11212	0.27%	0.044%
84	7.568	7.558	7.607	VV	626	13024	0.31%	0.051%
85	7.632	7.607	7.648	VV	513	9912	0.24%	0.039%
86	7.668	7.648	7.702	VV	483	13982	0.34%	0.054%
87	7.713	7.702	7.725	VV	440	5749	0.14%	0.022%
88	7.757	7.725	7.768	VV	464	10078	0.24%	0.039%
89	7.795	7.768	7.842	VV	554	19178	0.46%	0.075%

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90	7.857	7.842	7.874	VV	471	7352	0.18%	0.029%
91	7.897	7.874	7.918	VV	389	8921	0.21%	0.035%
92	7.928	7.918	7.968	VV	440	9804	0.24%	0.038%
93	7.971	7.968	7.994	VV	373	4363	0.10%	0.017%
94	8.018	7.994	8.046	VV	319	7535	0.18%	0.029%
95	8.088	8.046	8.126	VV	745	16481	0.40%	0.064%
96	8.148	8.126	8.176	VV	301	7208	0.17%	0.028%
97	8.257	8.176	8.311	VV	997	36621	0.88%	0.142%
98	8.325	8.311	8.336	VV	337	4568	0.11%	0.018%
99	8.374	8.336	8.384	VV	364	8751	0.21%	0.034%
100	8.413	8.384	8.470	VV	484	18423	0.44%	0.072%
101	8.501	8.470	8.531	VV	501	13147	0.32%	0.051%
102	8.579	8.531	8.597	VV	715	20179	0.48%	0.078%
103	8.609	8.597	8.627	VV	644	10408	0.25%	0.040%
104	8.684	8.627	8.773	VV	1453	56156	1.35%	0.218%
105	8.802	8.773	8.897	VV	1774	45234	1.09%	0.176%
106	8.913	8.897	8.951	VV	316	6619	0.16%	0.026%
107	8.973	8.951	8.994	VV	224	3931	0.09%	0.015%
108	9.052	8.994	9.076	VV	541	15721	0.38%	0.061%
109	9.098	9.076	9.118	VV	504	10970	0.26%	0.043%
110	9.124	9.118	9.134	VV	477	4167	0.10%	0.016%
111	9.159	9.134	9.204	VV	698	20906	0.50%	0.081%
112	9.225	9.204	9.299	VV	640	19895	0.48%	0.077%
113	9.317	9.299	9.331	VV	353	5420	0.13%	0.021%
114	9.417	9.331	9.484	VV	1924	59912	1.44%	0.233%
115	9.512	9.484	9.537	VV	1015	18121	0.44%	0.070%
116	9.552	9.537	9.597	VV	499	11115	0.27%	0.043%
117	9.608	9.597	9.641	VV	173	3521	0.08%	0.014%
118	9.669	9.641	9.684	VV	336	5281	0.13%	0.021%
119	9.700	9.684	9.724	VV	381	6166	0.15%	0.024%
120	9.757	9.724	9.791	VV	337	7845	0.19%	0.031%
121	9.805	9.791	9.824	VV	374	4650	0.11%	0.018%
122	9.849	9.824	9.874	VV	696	13566	0.33%	0.053%
123	9.897	9.874	9.938	VV	801	18358	0.44%	0.071%
124	9.966	9.938	10.001	VV	462	12650	0.30%	0.049%
125	10.041	10.001	10.058	VV	367	9154	0.22%	0.036%
126	10.074	10.058	10.094	VV	323	5425	0.13%	0.021%
127	10.131	10.094	10.142	VV	516	9175	0.22%	0.036%
128	10.171	10.142	10.274	VV	29189	430594	10.35%	1.675%
129	10.295	10.274	10.338	VV	1573	31655	0.76%	0.123%
130	10.346	10.338	10.371	VV	488	6977	0.17%	0.027%
131	10.399	10.371	10.437	VV	365	9828	0.24%	0.038%
132	10.457	10.437	10.492	VV	258	6046	0.15%	0.024%
133	10.504	10.492	10.550	VV	134	2827	0.07%	0.011%
134	10.569	10.550	10.584	PV	196	1992	0.05%	0.008%
135	10.646	10.584	10.671	VV	1368	22714	0.55%	0.088%
136	10.686	10.671	10.707	VV	647	9799	0.24%	0.038%
137	10.736	10.707	10.761	VV	680	15381	0.37%	0.060%
138	10.777	10.761	10.804	VV	483	8887	0.21%	0.035%
139	10.828	10.804	10.861	VV	357	8293	0.20%	0.032%
140	10.961	10.861	10.979	VV	930	34081	0.82%	0.133%
141	10.994	10.979	11.018	VV	1153	19011	0.46%	0.074%

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142	11.039	11.018	11.058	VV	1281	20555	0.49%	0.080%
143	11.069	11.058	11.086	VV	562	7624	0.18%	0.030%
144	11.111	11.086	11.131	VV	847	15797	0.38%	0.061%
145	11.143	11.131	11.208	VV	601	15026	0.36%	0.058%
146	11.263	11.208	11.284	VV	855	16834	0.40%	0.065%
147	11.309	11.284	11.364	VV	4058	73391	1.76%	0.285%
148	11.384	11.364	11.491	VV	1866	47911	1.15%	0.186%
149	11.493	11.491	11.508	VV	258	1941	0.05%	0.008%
150	11.548	11.508	11.581	VV	225	6235	0.15%	0.024%
151	11.605	11.581	11.638	VV	704	12464	0.30%	0.048%
152	11.675	11.638	11.701	VV	1203	19487	0.47%	0.076%
153	11.717	11.701	11.729	VV	933	11552	0.28%	0.045%
154	11.762	11.729	11.794	VV	1919	44980	1.08%	0.175%
155	11.824	11.794	11.894	VV	1448	39875	0.96%	0.155%
156	11.908	11.894	11.922	VV	398	4264	0.10%	0.017%
157	11.942	11.922	11.974	VV	724	11085	0.27%	0.043%
158	12.005	11.974	12.033	VV	875	20592	0.49%	0.080%
159	12.072	12.033	12.129	VV	384866	4162151	100.00%	16.187%
160	12.145	12.129	12.189	VV	1828	35183	0.85%	0.137%
161	12.230	12.189	12.248	VV	1593	31193	0.75%	0.121%
162	12.262	12.248	12.278	VV	1309	15630	0.38%	0.061%
163	12.295	12.278	12.332	VV	1665	23225	0.56%	0.090%
164	12.353	12.332	12.379	PV	627	9892	0.24%	0.038%
165	12.415	12.379	12.457	VV	1311	32058	0.77%	0.125%
166	12.483	12.457	12.494	VV	1137	18822	0.45%	0.073%
167	12.516	12.494	12.554	VV	2389	53381	1.28%	0.208%
168	12.575	12.554	12.634	VV	3435	74648	1.79%	0.290%
169	12.664	12.634	12.767	VV	44630	590555	14.19%	2.297%
170	12.785	12.767	12.844	VV	1011	34774	0.84%	0.135%
171	12.861	12.844	12.888	VV	659	15693	0.38%	0.061%
172	12.905	12.888	12.939	VV	784	19719	0.47%	0.077%
173	12.970	12.939	12.984	VV	1221	24311	0.58%	0.095%
174	13.014	12.984	13.038	VV	1685	37547	0.90%	0.146%
175	13.059	13.038	13.103	VV	2823	49197	1.18%	0.191%
176	13.135	13.103	13.198	VV	11935	172805	4.15%	0.672%
177	13.204	13.198	13.220	VV	251	2529	0.06%	0.010%
178	13.236	13.220	13.248	VV	164	2284	0.05%	0.009%
179	13.275	13.248	13.308	PV	884	18975	0.46%	0.074%
180	13.323	13.308	13.364	VV	955	22803	0.55%	0.089%
181	13.374	13.364	13.394	VV	509	7530	0.18%	0.029%
182	13.435	13.394	13.470	VV	11299	148911	3.58%	0.579%
183	13.508	13.470	13.571	VV	257492	3183390	76.48%	12.380%
184	13.581	13.571	13.595	VV	930	12686	0.30%	0.049%
185	13.617	13.595	13.651	VV	1363	27145	0.65%	0.106%
186	13.678	13.651	13.724	VV	1442	40744	0.98%	0.158%
187	13.770	13.724	13.819	VV	1863	68346	1.64%	0.266%
188	13.833	13.819	13.843	VV	684	8734	0.21%	0.034%
189	13.901	13.843	13.984	VV	5646	116253	2.79%	0.452%
190	14.027	13.984	14.070	VV	1955	46589	1.12%	0.181%
191	14.082	14.070	14.087	VV	396	4303	0.10%	0.017%
192	14.095	14.087	14.101	VV	471	3432	0.08%	0.013%
193	14.136	14.101	14.158	VV	1075	22360	0.54%	0.087%
194	14.179	14.158	14.198	VV	1678	28125	0.68%	0.109%

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195	14.212	14.198	14.238	VV	1934	28469	0.68%	0.111%
196	14.263	14.238	14.281	VV	2043	32401	0.78%	0.126%
197	14.303	14.281	14.330	VV	1503	32910	0.79%	0.128%
198	14.348	14.330	14.400	VV	1201	24011	0.58%	0.093%
199	14.423	14.400	14.453	VV	449	7884	0.19%	0.031%
200	14.493	14.453	14.548	VV	476	17851	0.43%	0.069%
201	14.557	14.548	14.578	VV	232	1852	0.04%	0.007%
202	14.632	14.578	14.641	PV	379	8602	0.21%	0.033%
203	14.669	14.641	14.684	VV	1186	22105	0.53%	0.086%
204	14.699	14.684	14.720	VV	1289	22675	0.54%	0.088%
205	14.737	14.720	14.748	VV	814	12305	0.30%	0.048%
206	14.771	14.748	14.805	VV	1759	37136	0.89%	0.144%
207	14.828	14.805	14.844	VV	1702	26130	0.63%	0.102%
208	14.864	14.844	14.878	VV	1117	17961	0.43%	0.070%
209	14.899	14.878	14.919	VV	1636	26484	0.64%	0.103%
210	14.946	14.919	14.987	VV	1323	32188	0.77%	0.125%
211	15.009	14.987	15.038	VV	1834	28619	0.69%	0.111%
212	15.076	15.038	15.112	VV	1150	28335	0.68%	0.110%
213	15.134	15.112	15.154	VV	304	5693	0.14%	0.022%
214	15.203	15.154	15.246	VV	506	16847	0.40%	0.066%
215	15.276	15.246	15.294	VV	736	11255	0.27%	0.044%
216	15.323	15.294	15.342	VV	6979	101572	2.44%	0.395%
217	15.364	15.342	15.395	VV	8954	143461	3.45%	0.558%
218	15.414	15.395	15.451	VV	2642	43552	1.05%	0.169%
219	15.485	15.451	15.541	VV	1547	39344	0.95%	0.153%
220	15.567	15.541	15.597	VV	458	9221	0.22%	0.036%
221	15.628	15.597	15.651	PV	707	13723	0.33%	0.053%
222	15.673	15.651	15.710	VV	543	12772	0.31%	0.050%
223	15.758	15.710	15.831	VV	14791	376029	9.03%	1.462%
224	15.846	15.831	15.868	VV	1745	30391	0.73%	0.118%
225	15.891	15.868	15.928	VV	2840	58172	1.40%	0.226%
226	15.972	15.928	16.022	VV	9750	184955	4.44%	0.719%
227	16.036	16.022	16.084	VV	1114	21178	0.51%	0.082%
228	16.101	16.084	16.111	VV	338	5241	0.13%	0.020%
229	16.158	16.111	16.200	VV	1165	34024	0.82%	0.132%
230	16.229	16.200	16.254	VV	388	9305	0.22%	0.036%
231	16.287	16.254	16.308	VV	784	18192	0.44%	0.071%
232	16.318	16.308	16.335	VV	764	10338	0.25%	0.040%
233	16.356	16.335	16.372	VV	1493	22686	0.55%	0.088%
234	16.393	16.372	16.418	VV	2937	42647	1.02%	0.166%
235	16.429	16.418	16.434	VV	628	4860	0.12%	0.019%
236	16.456	16.434	16.548	VV	2140	42586	1.02%	0.166%
237	16.622	16.548	16.654	PV	399	12983	0.31%	0.050%
238	16.695	16.654	16.720	PV	974	19506	0.47%	0.076%
239	16.781	16.720	16.824	VV	4438	134824	3.24%	0.524%
240	16.841	16.824	16.856	VV	2927	46294	1.11%	0.180%
241	16.885	16.856	16.936	VV	11003	253528	6.09%	0.986%
242	16.961	16.936	16.993	VV	5706	94813	2.28%	0.369%
243	17.018	16.993	17.064	VV	1901	36991	0.89%	0.144%
244	17.074	17.064	17.100	VV	394	4813	0.12%	0.019%
245	17.113	17.100	17.124	PV	120	1006	0.02%	0.004%
246	17.211	17.124	17.242	VV	5310	99787	2.40%	0.388%

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247	17.269	17.242	17.297	VV	6463	106444	2.56%	0.414%
248	17.310	17.297	17.321	VV	2050	25784	0.62%	0.100%
249	17.345	17.321	17.397	VV	6309	141399	3.40%	0.550%
250	17.423	17.397	17.456	VV	11213	165595	3.98%	0.644%
251	17.472	17.456	17.493	VV	779	15257	0.37%	0.059%
252	17.511	17.493	17.532	VV	794	15443	0.37%	0.060%
253	17.544	17.532	17.559	VV	562	7763	0.19%	0.030%
254	17.631	17.559	17.648	VV	948	34703	0.83%	0.135%
255	17.722	17.648	17.771	VV	7352	233776	5.62%	0.909%
256	17.796	17.771	17.835	VV	13142	219332	5.27%	0.853%
257	17.882	17.835	17.915	VV	3959	74354	1.79%	0.289%
258	17.935	17.915	17.955	VV	1251	20074	0.48%	0.078%
259	17.975	17.955	18.000	VV	520	11229	0.27%	0.044%
260	18.023	18.000	18.061	VV	633	13606	0.33%	0.053%
261	18.077	18.061	18.104	VV	718	9884	0.24%	0.038%
262	18.235	18.104	18.295	PV	12061	284685	6.84%	1.107%
263	18.325	18.295	18.356	VV	10034	163005	3.92%	0.634%
264	18.365	18.356	18.387	VV	1556	26035	0.63%	0.101%
265	18.425	18.387	18.441	VV	1812	44321	1.06%	0.172%
266	18.475	18.441	18.525	VV	3080	90880	2.18%	0.353%
267	18.570	18.525	18.583	VV	5046	97961	2.35%	0.381%
268	18.606	18.583	18.628	VV	9125	193775	4.66%	0.754%
269	18.658	18.628	18.711	VV	23858	501779	12.06%	1.951%
270	18.754	18.711	18.841	VV	3459	171128	4.11%	0.666%
271	18.856	18.841	18.874	VV	1305	23424	0.56%	0.091%
272	18.902	18.874	18.946	VV	4114	100575	2.42%	0.391%
273	18.957	18.946	19.004	VV	1589	38074	0.91%	0.148%
274	19.068	19.004	19.130	VV	17078	372571	8.95%	1.449%
275	19.169	19.130	19.221	VV	11206	229035	5.50%	0.891%
276	19.239	19.221	19.261	VV	2282	46463	1.12%	0.181%
277	19.282	19.261	19.302	VV	1960	40394	0.97%	0.157%
278	19.365	19.302	19.388	VV	2324	97747	2.35%	0.380%
279	19.466	19.388	19.522	VV	18146	577511	13.88%	2.246%
280	19.569	19.522	19.595	VV	4403	149225	3.59%	0.580%
281	19.619	19.595	19.644	VV	4438	104290	2.51%	0.406%
282	19.654	19.644	19.682	VV	2996	62454	1.50%	0.243%
283	19.721	19.682	19.731	VV	3329	82378	1.98%	0.320%
284	19.751	19.731	19.759	VV	3415	55055	1.32%	0.214%
285	19.775	19.759	19.804	VV	3557	77203	1.85%	0.300%
286	19.854	19.804	19.908	VV	13329	310065	7.45%	1.206%
287	19.930	19.908	19.944	VV	5865	95755	2.30%	0.372%
288	19.964	19.944	20.001	VV	7808	167673	4.03%	0.652%
289	20.043	20.001	20.073	VV	4329	150744	3.62%	0.586%
290	20.097	20.073	20.109	VV	3623	75332	1.81%	0.293%
291	20.138	20.109	20.185	VV	4772	182407	4.38%	0.709%
292	20.230	20.185	20.318	VV	14813	529489	12.72%	2.059%
293	20.471	20.318	20.526	VV	6915	680669	16.35%	2.647%
294	20.548	20.526	20.568	VV	6192	148976	3.58%	0.579%
295	20.594	20.568	20.654	VV	12944	411384	9.88%	1.600%
296	20.714	20.654	20.738	VV	6961	311243	7.48%	1.210%
297	20.767	20.738	20.801	VV	6870	243927	5.86%	0.949%
298	20.825	20.801	20.848	VV	6468	174611	4.20%	0.679%
299	20.868	20.848	20.904	VV	6362	206543	4.96%	0.803%

					rteres			
300	20.964	20.904	20.997	VV	9930	395729	9.51%	1.539%
301	21.008	20.997	21.025	VV	6548	108741	2.61%	0.423%
302	21.033	21.025	21.088	VV	6467	231569	5.56%	0.901%
303	21.103	21.088	21.114	VV	6031	94806	2.28%	0.369%
304	21.144	21.114	21.198	VV	6432	293680	7.06%	1.142%
305	21.221	21.198	21.244	VV	5561	148921	3.58%	0.579%
306	21.282	21.244	21.334	VV	5791	300380	7.22%	1.168%
307	21.371	21.334	21.452	VV	8693	424852	10.21%	1.652%
308	21.466	21.452	21.474	VV	4637	62220	1.49%	0.242%
309	21.483	21.474	21.494	VV	4540	53826	1.29%	0.209%
310	21.530	21.494	21.561	VV	4379	170369	4.09%	0.663%
311	21.608	21.561	21.671	VV	4200	257321	6.18%	1.001%
312	21.715	21.671	21.751	VV	3871	175714	4.22%	0.683%
313	21.782	21.751	21.795	VV	3523	90513	2.17%	0.352%
314	21.830	21.795	21.896	VV	4597	216506	5.20%	0.842%
315	21.903	21.896	21.938	VV	3023	69281	1.66%	0.269%
316	21.947	21.938	22.063	VV	2498	140900	3.39%	0.548%
317	22.075	22.063	22.085	VV	1470	17325	0.42%	0.067%
318	22.094	22.085	22.148	VV	1380	44533	1.07%	0.173%
319	22.178	22.148	22.188	VV	1023	24348	0.58%	0.095%
320	22.224	22.188	22.274	VV	1038	46158	1.11%	0.180%
321	22.357	22.274	22.408	VV	2366	93477	2.25%	0.364%
322	22.432	22.408	22.505	VV	553	19388	0.47%	0.075%
323	22.513	22.505	22.517	VV	130	730	0.02%	0.003%
324	22.526	22.517	22.534	VV	155	1151	0.03%	0.004%
325	22.538	22.534	22.546	VV	124	587	0.01%	0.002%

Sum of corrected areas: 25713507

Aliphatic EPH 082925.M Fri Sep 05 02:25:30 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

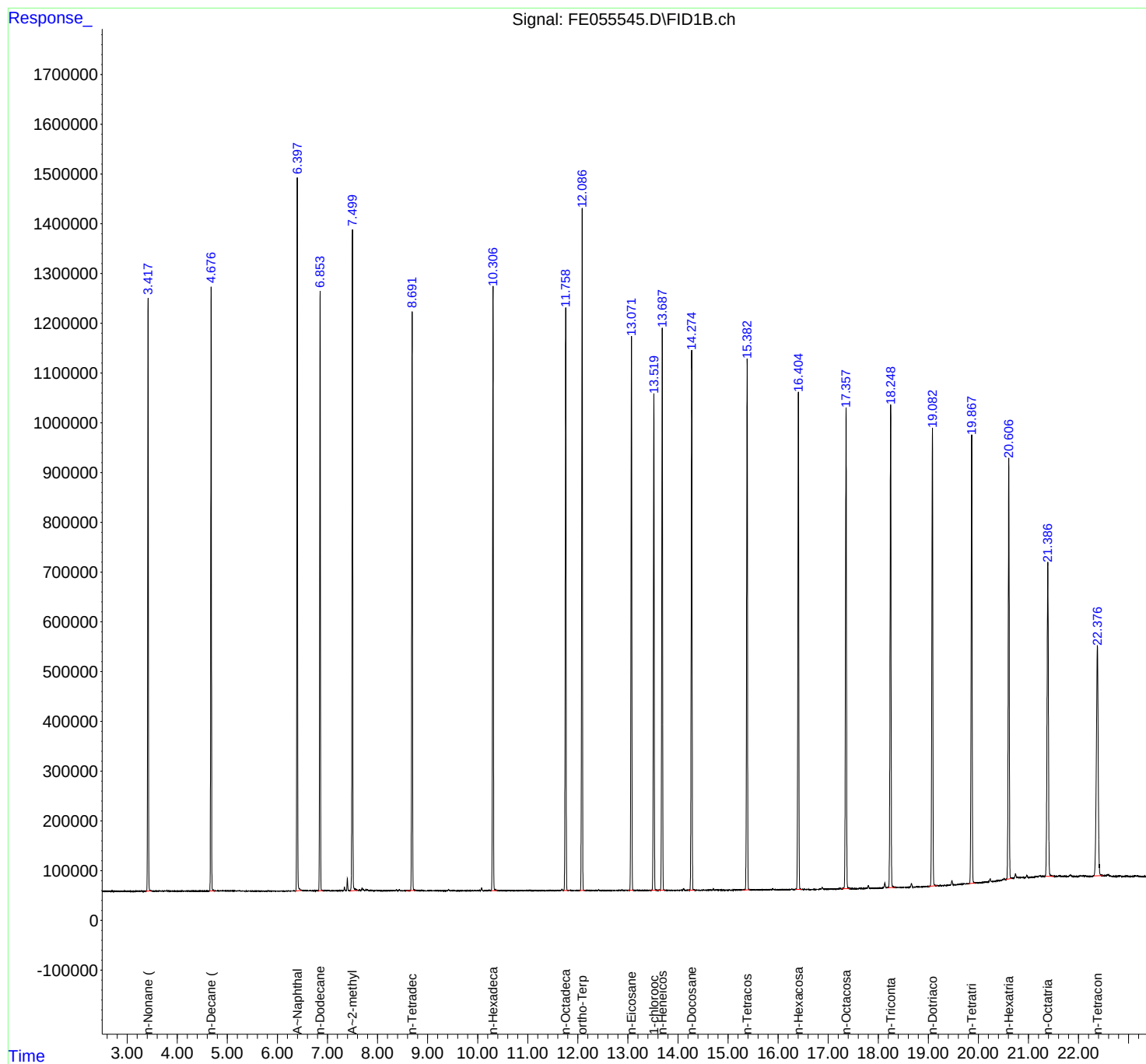
(f)=RT Delta > 1/2 Window

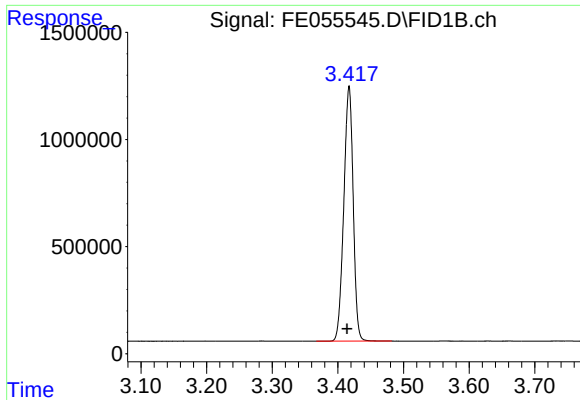
(m)=manual int.

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

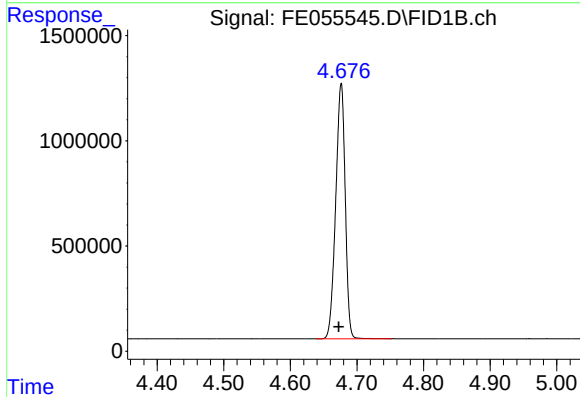
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





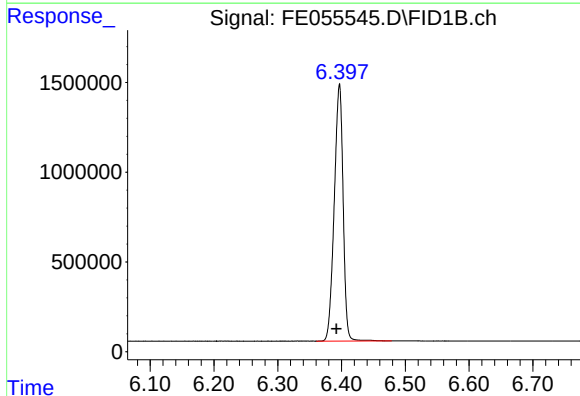
#1 n-Nonane (C9)

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



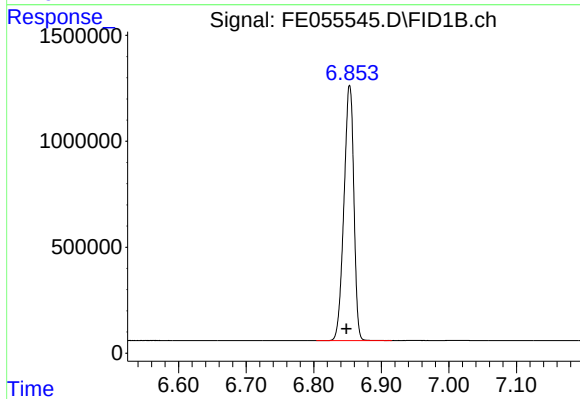
#2 n-Decane (C10)

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



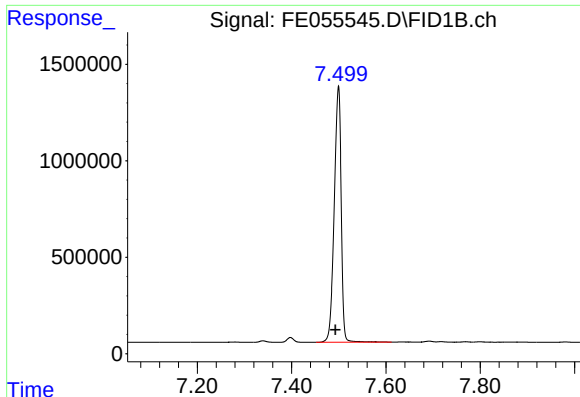
#3 A~Naphthalene (C11.7)

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



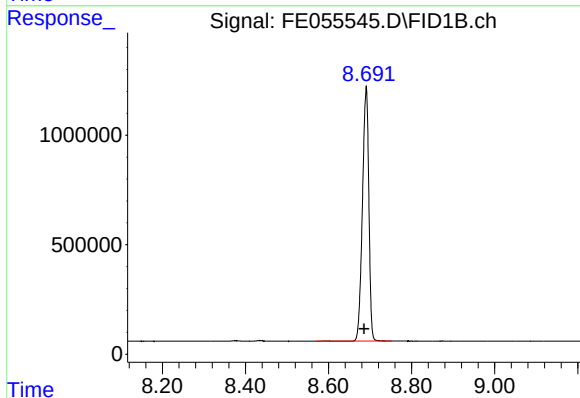
#4 n-Dodecane (C12)

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



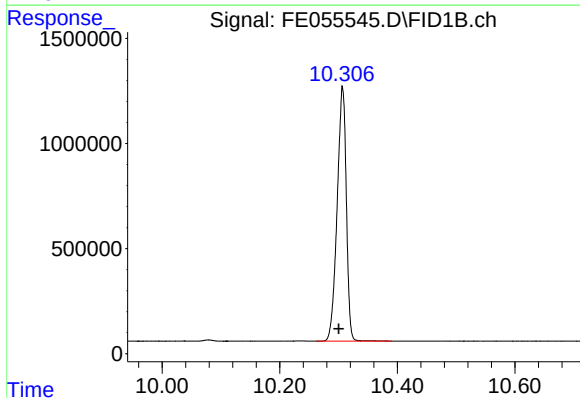
#5 A~2-methylnaphthalene (C12.89)

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



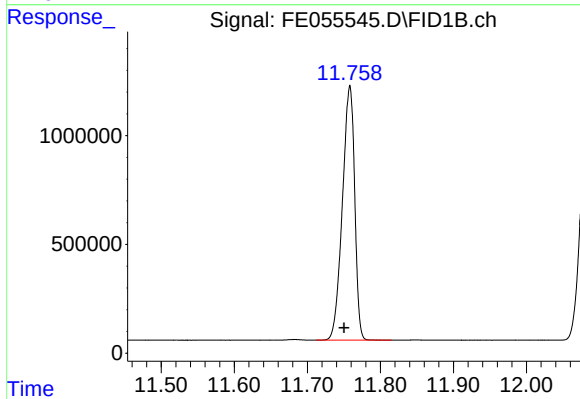
#6 n-Tetradecane (C14)

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



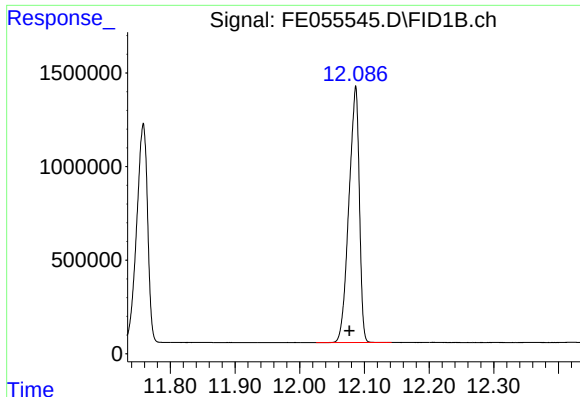
#7 n-Hexadecane (C16)

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



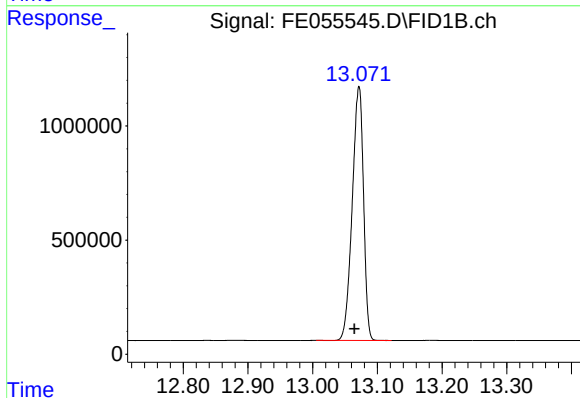
#8 n-Octadecane (C18)

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



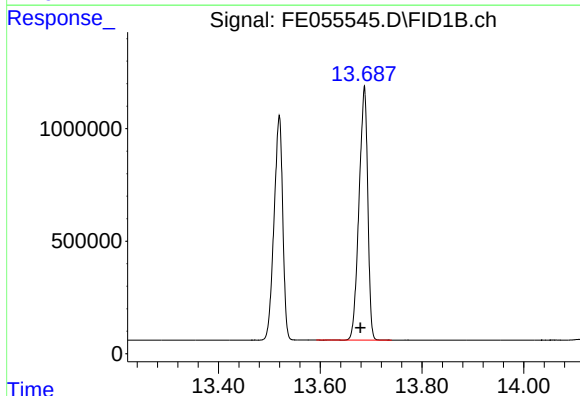
#9 ortho-Terphenyl (SURR)

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



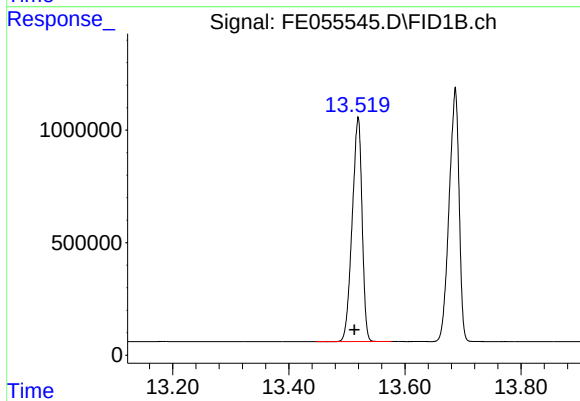
#10 n-Eicosane (C20)

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



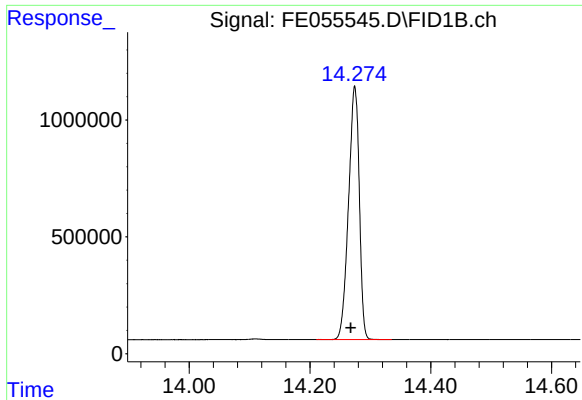
#11 n-Heneicosane (C21)

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



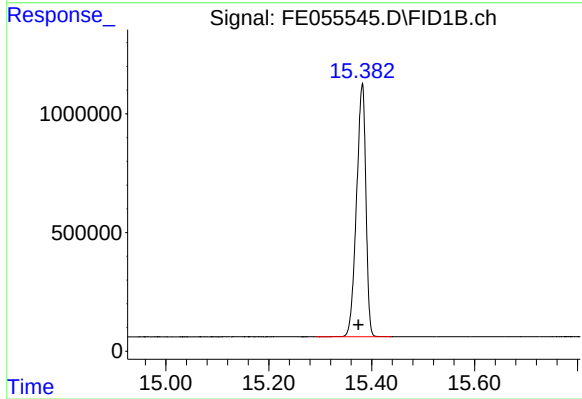
#12 1-chlorooctadecane (SURR)

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



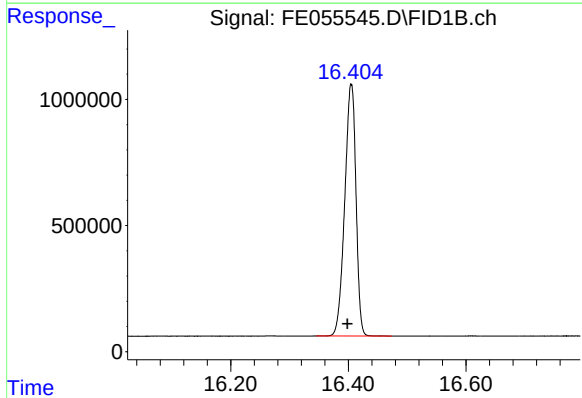
#13 n-Docosane (C22)

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



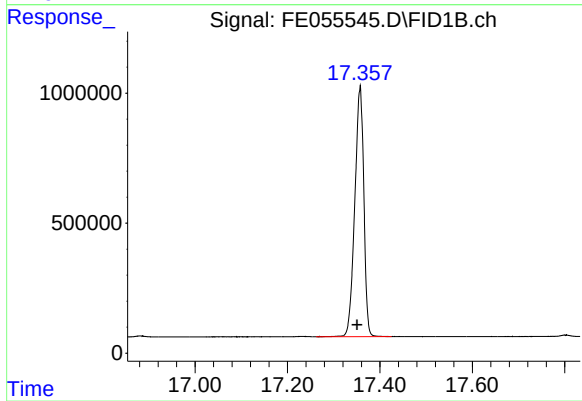
#14 n-Tetracosane (C24)

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



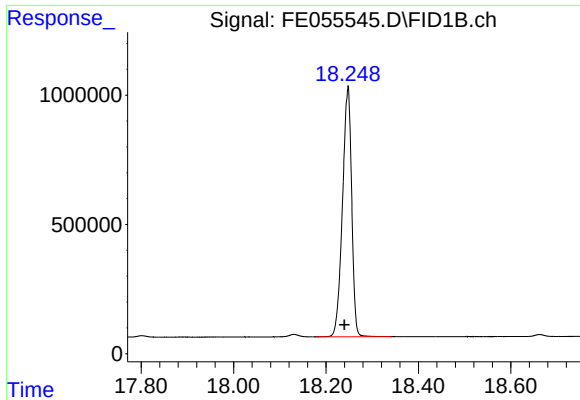
#15 n-Hexacosane (C26)

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



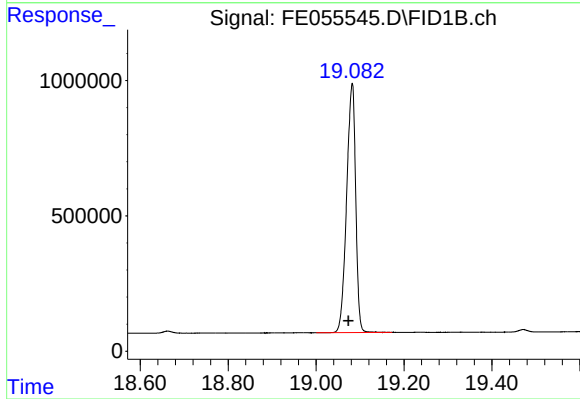
#16 n-Octacosane (C28)

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



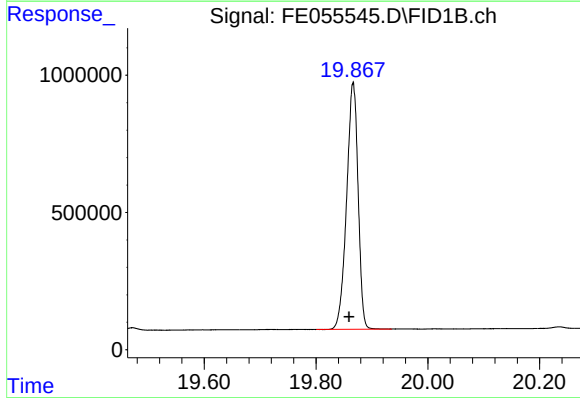
#17 n-Tricontane (C30)

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



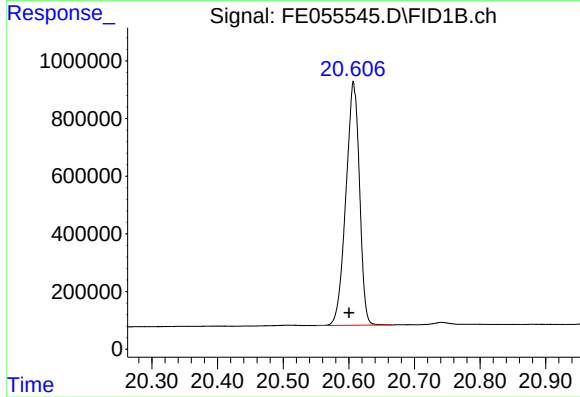
#18 n-Dotriacontane (C32)

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



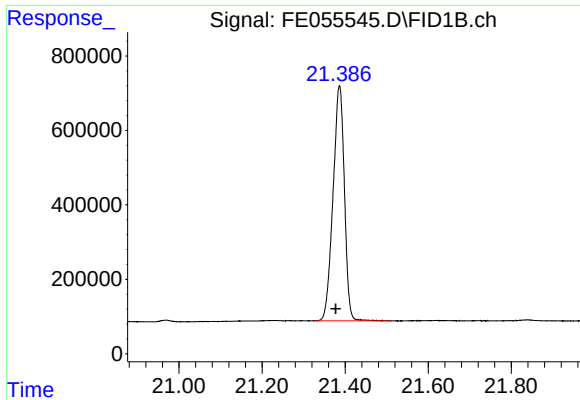
#19 n-Tetratriacontane (C34)

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



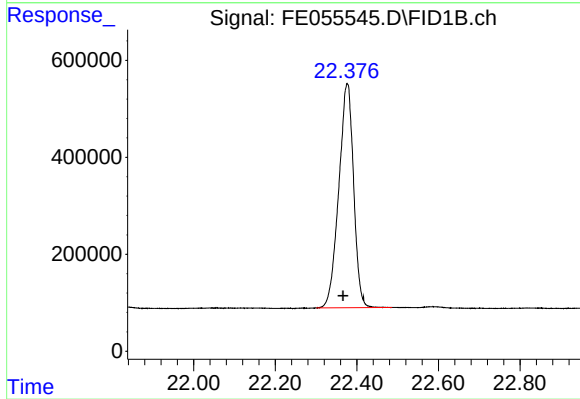
#20 n-Hexatriacontane (C36)

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

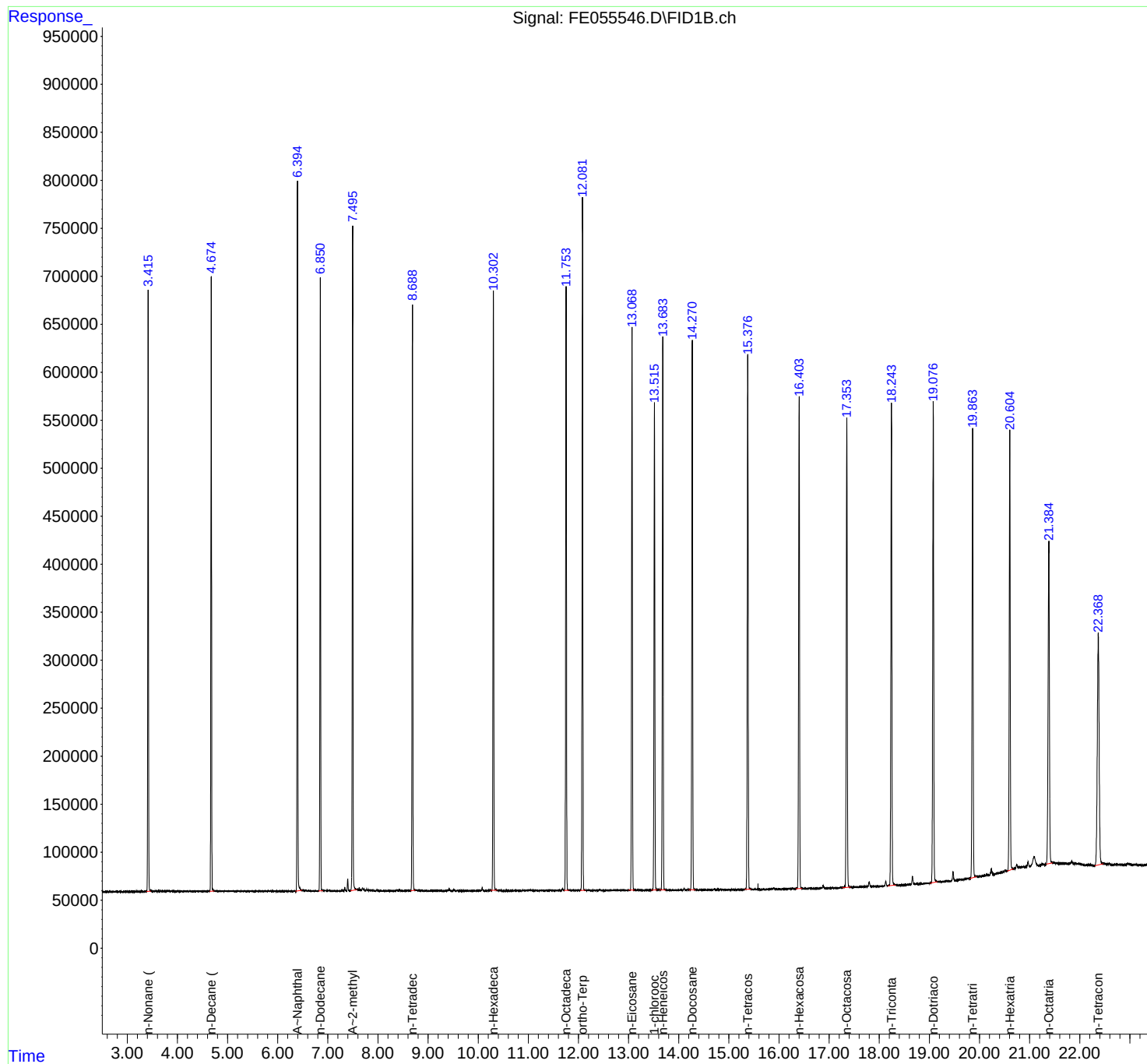
(f)=RT Delta > 1/2 Window

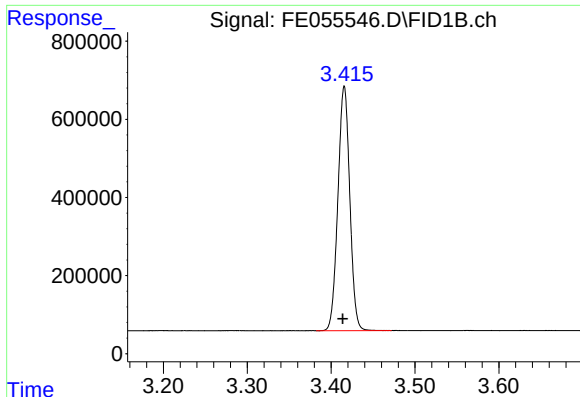
(m)=manual int.

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

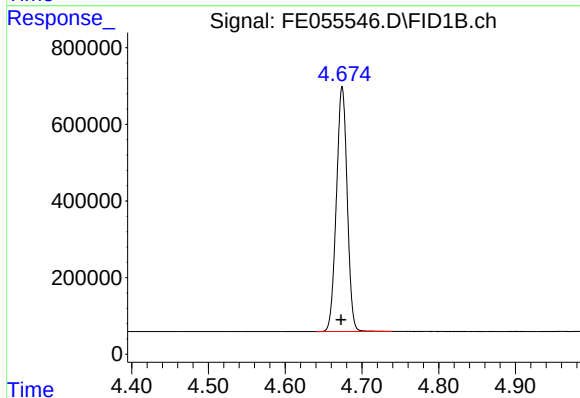
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





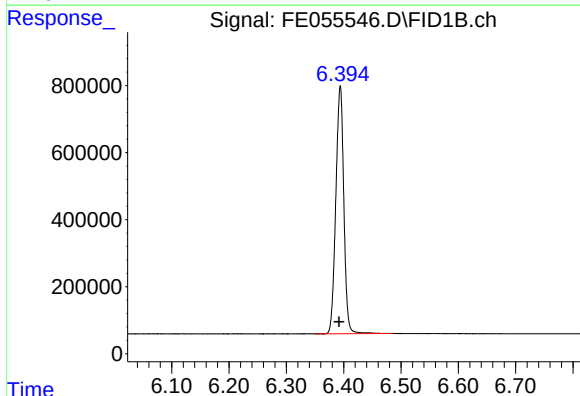
#1 n-Nonane (C9)

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



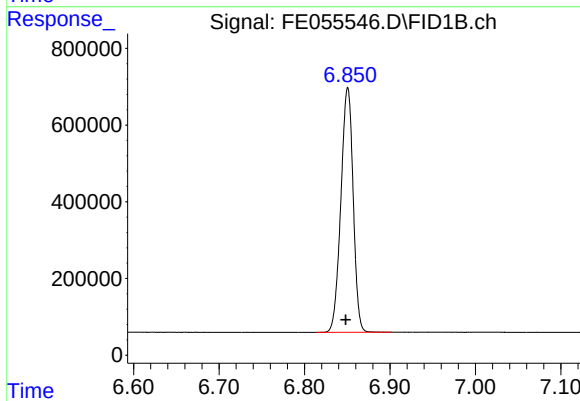
#2 n-Decane (C10)

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



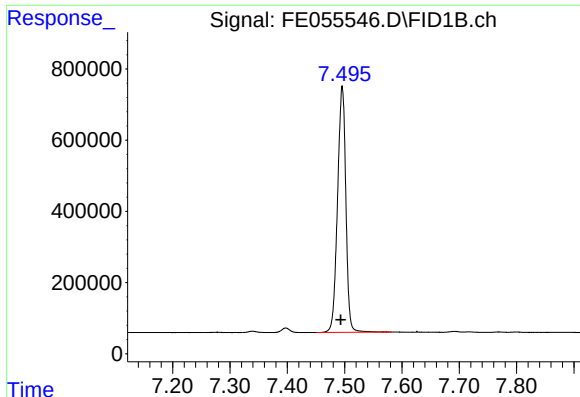
#3 A~Naphthalene (C11.7)

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



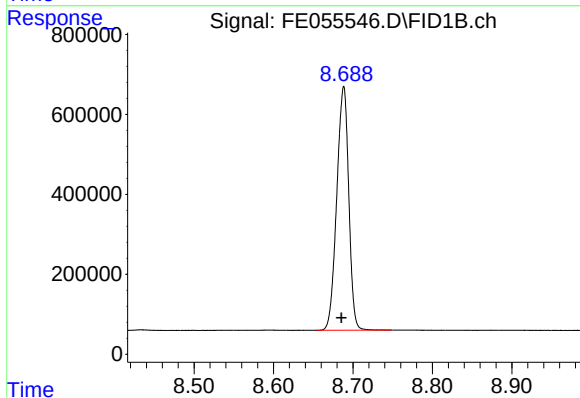
#4 n-Dodecane (C12)

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



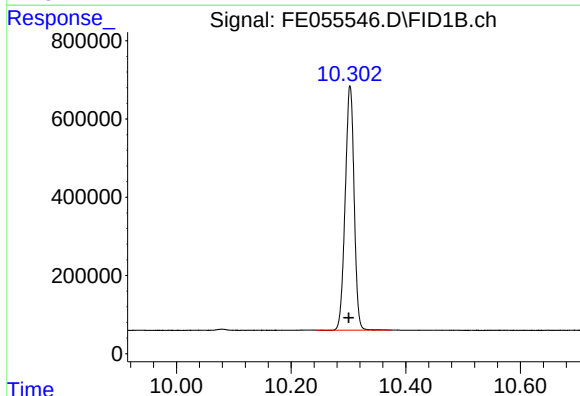
#5 A~2-methylnaphthalene (C12.89)

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



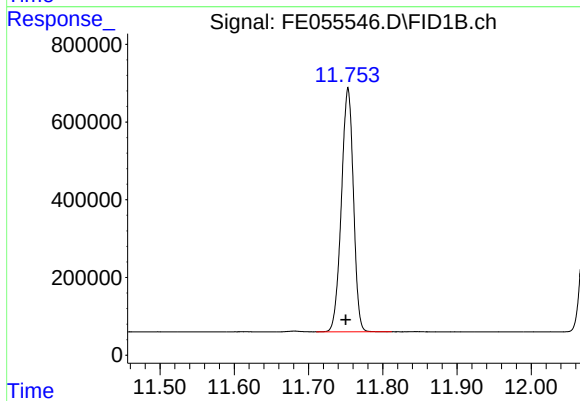
#6 n-Tetradecane (C14)

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



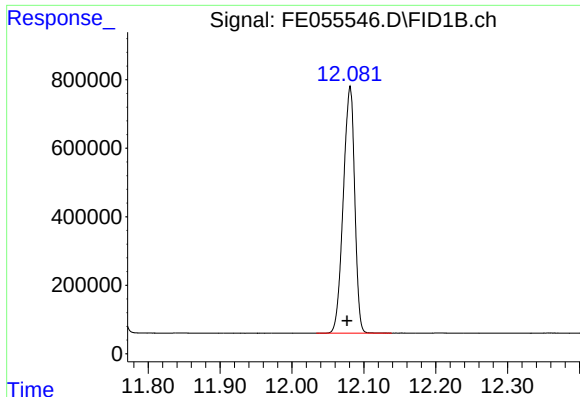
#7 n-Hexadecane (C16)

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



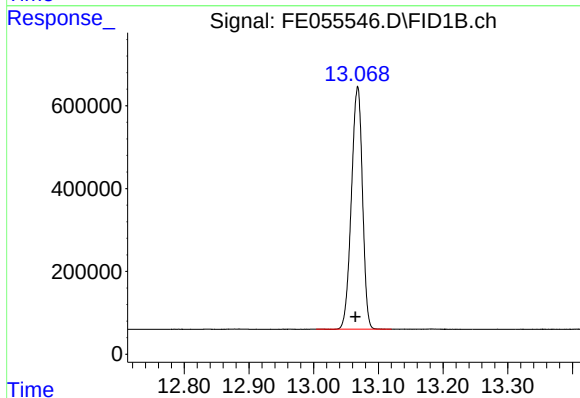
#8 n-Octadecane (C18)

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



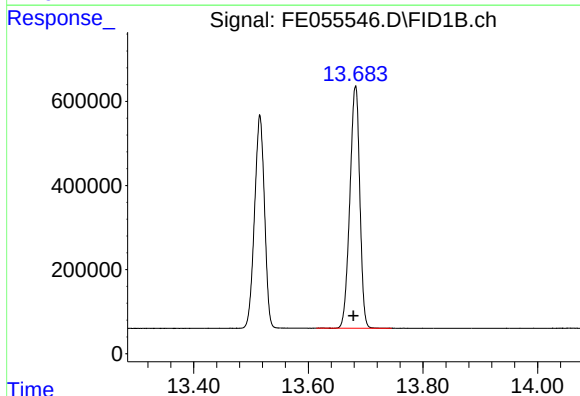
#9 ortho-Terphenyl (SURR)

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



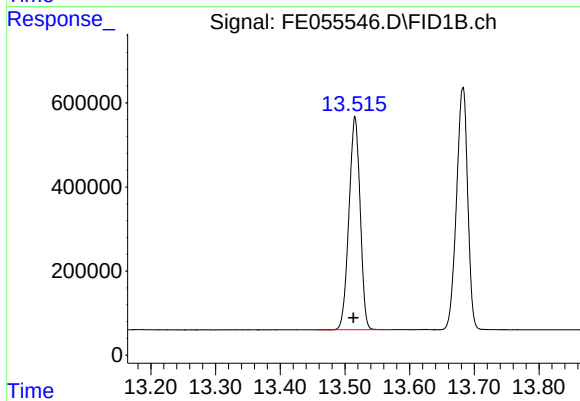
#10 n-Eicosane (C20)

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



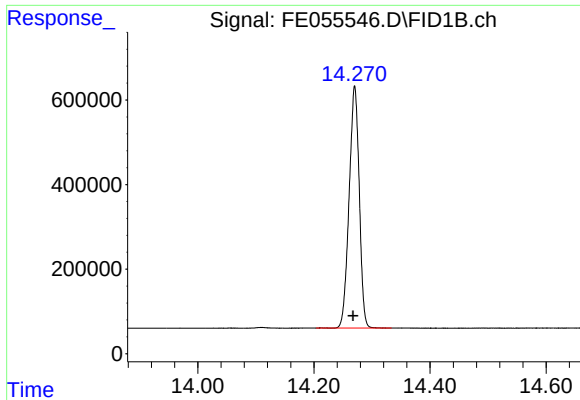
#11 n-Heneicosane (C21)

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



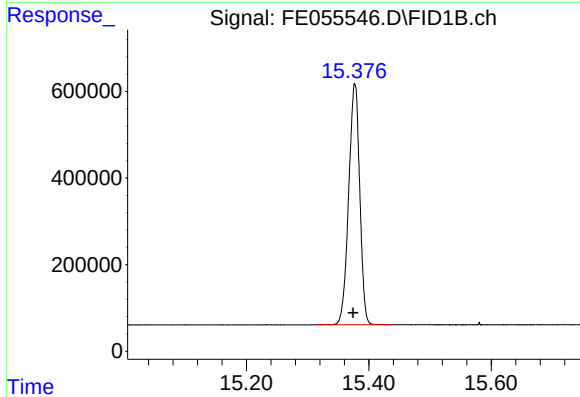
#12 1-chlorooctadecane (SURR)

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



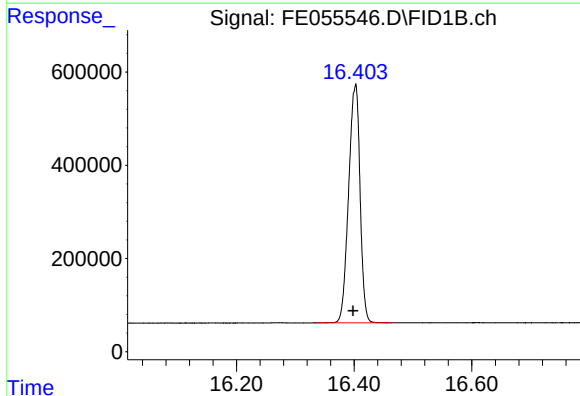
#13 n-Docosane (C22)

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



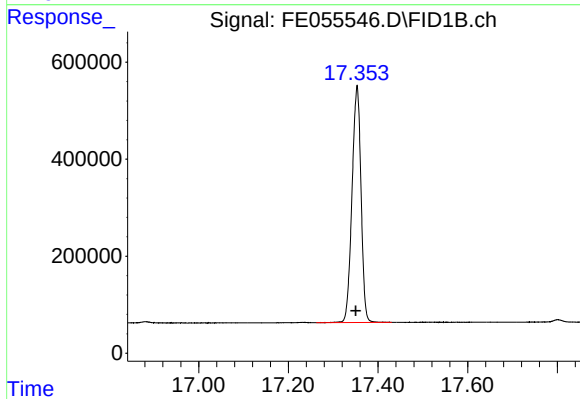
#14 n-Tetracosane (C24)

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



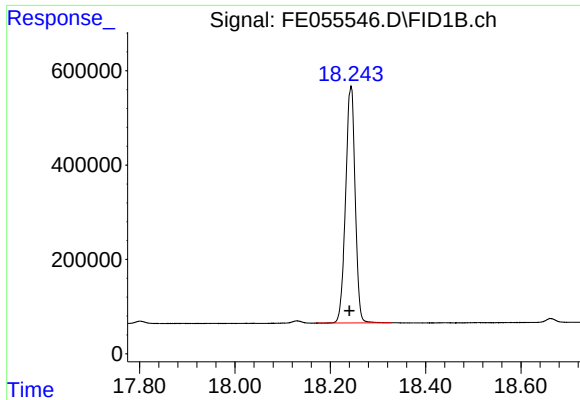
#15 n-Hexacosane (C26)

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



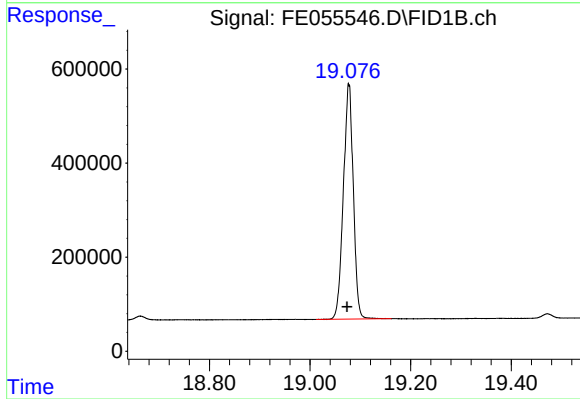
#16 n-Octacosane (C28)

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



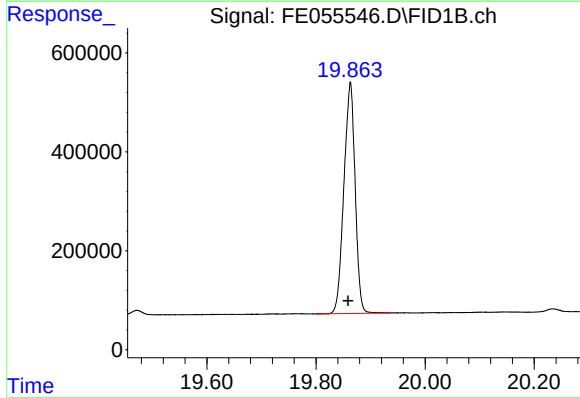
#17 n-Tricontane (C30)

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



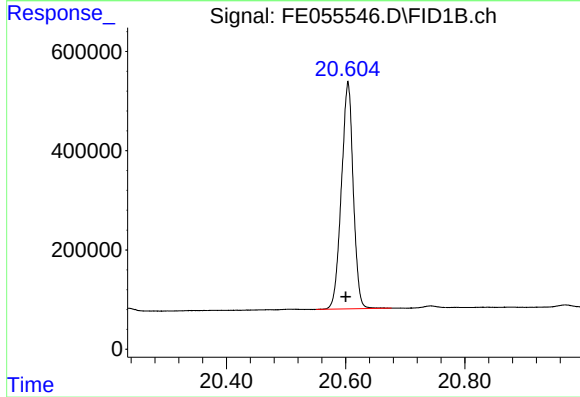
#18 n-Dotriacontane (C32)

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



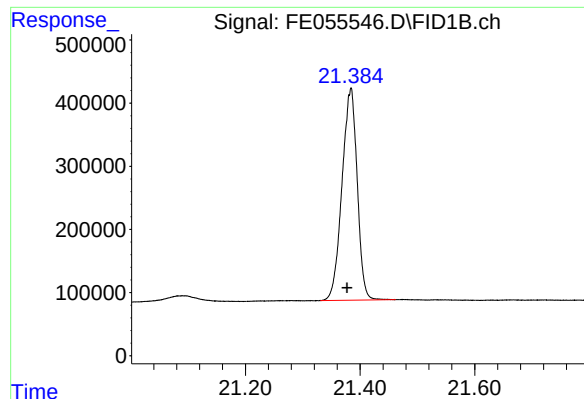
#19 n-Tetratriacontane (C34)

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



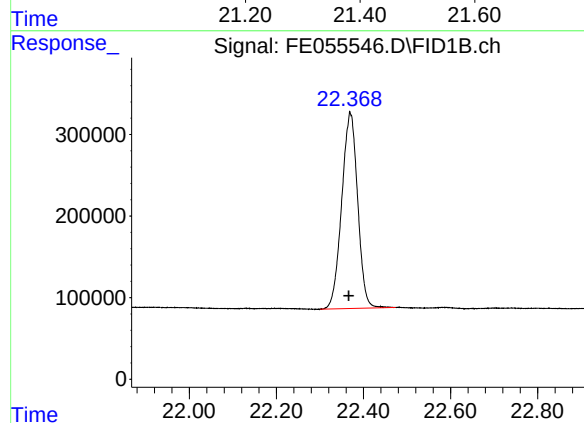
#20 n-Hexatriacontane (C36)

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

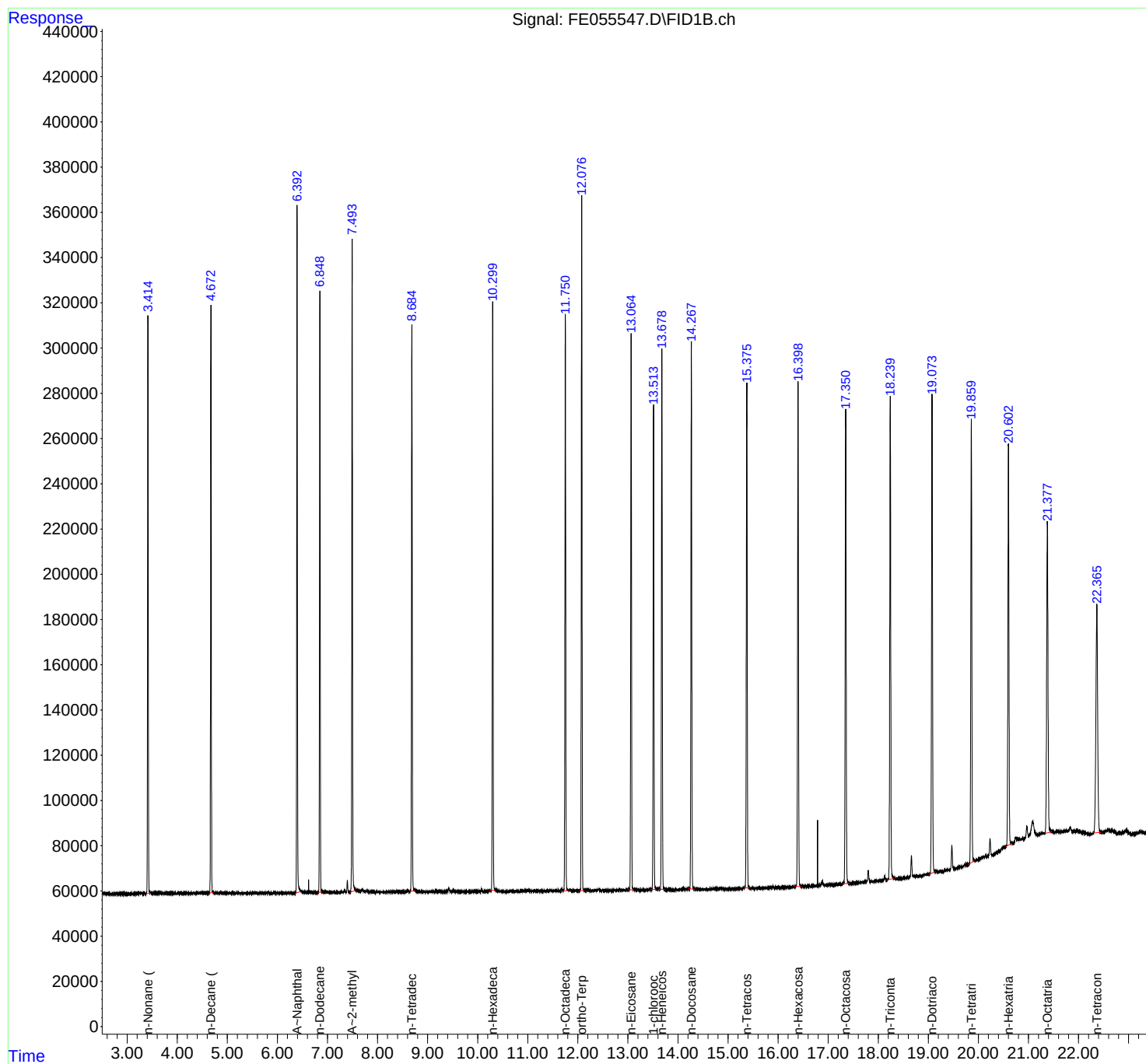
(f)=RT Delta > 1/2 Window

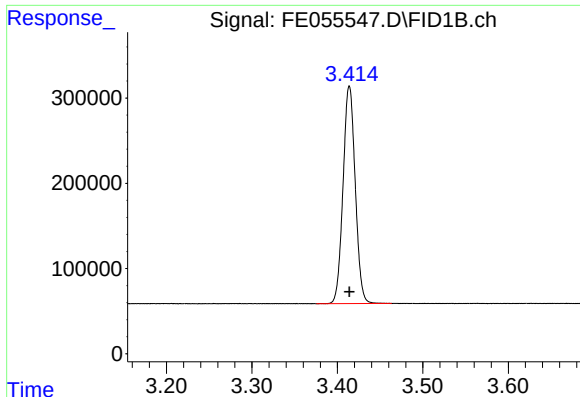
(m)=manual int.

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

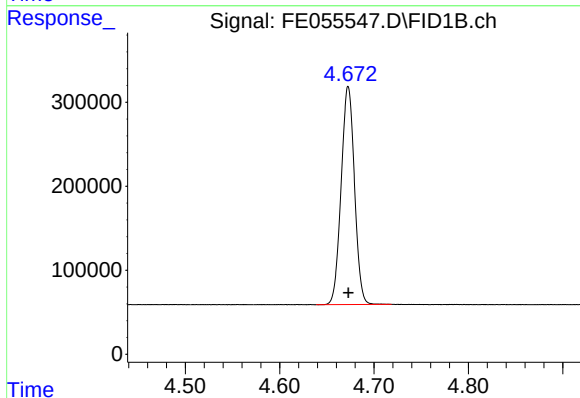
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





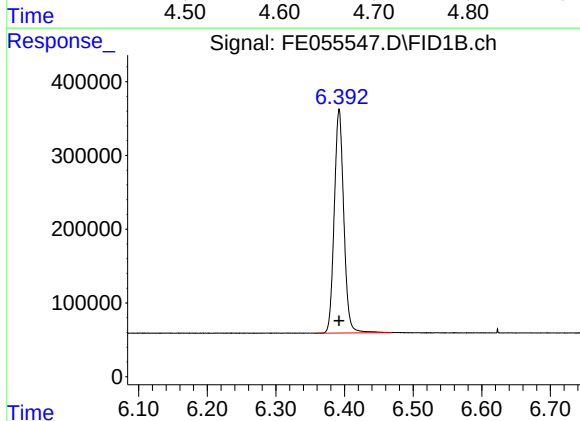
#1 n-Nonane (C9)

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



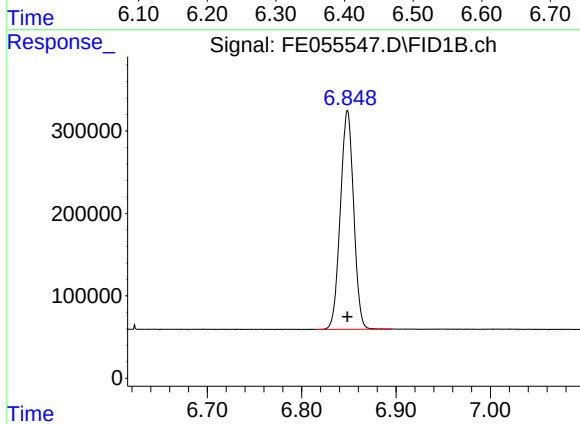
#2 n-Decane (C10)

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



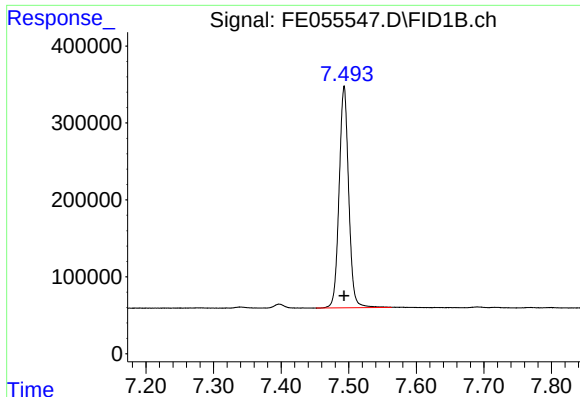
#3 A~Naphthalene (C11.7)

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



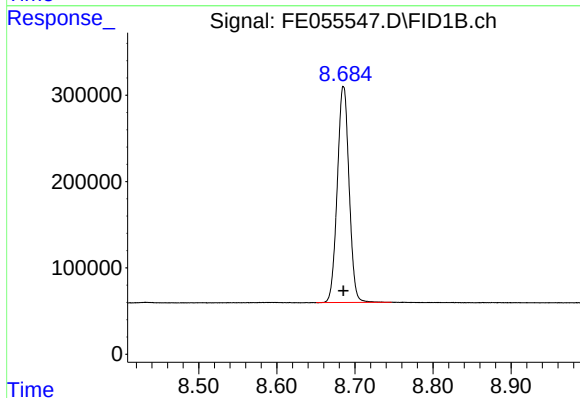
#4 n-Dodecane (C12)

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



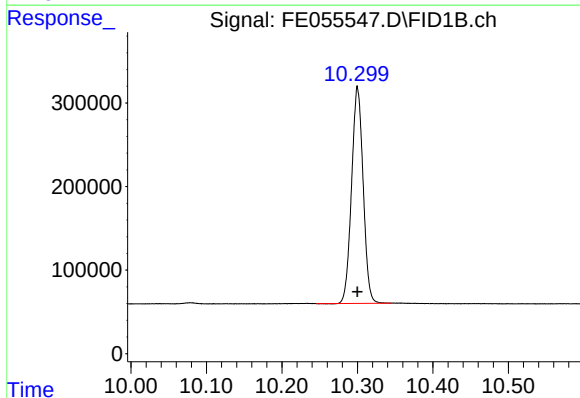
#5 A~2-methylnaphthalene (C12.89)

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



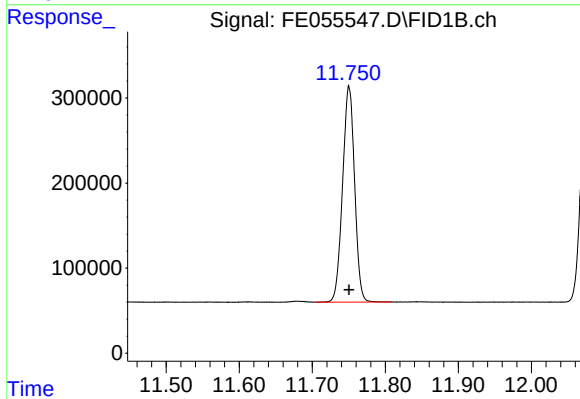
#6 n-Tetradecane (C14)

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



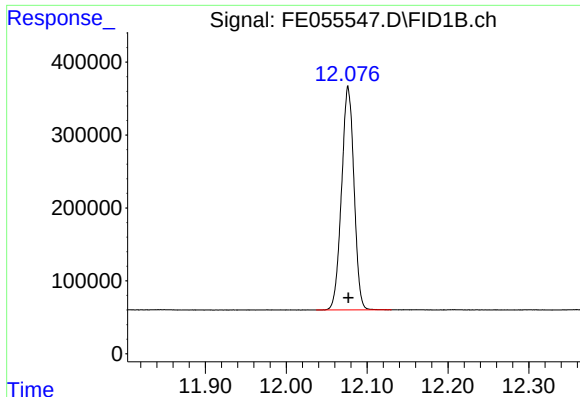
#7 n-Hexadecane (C16)

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



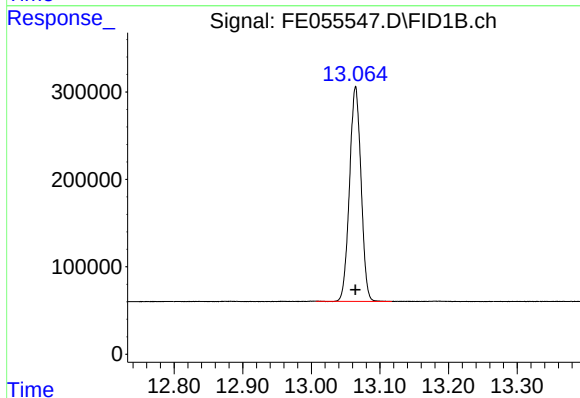
#8 n-Octadecane (C18)

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



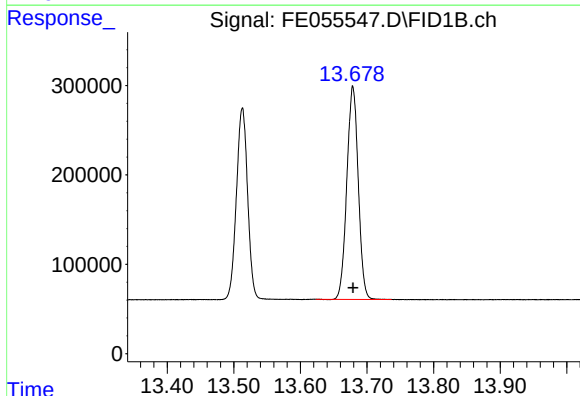
#9 ortho-Terphenyl (SURR)

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



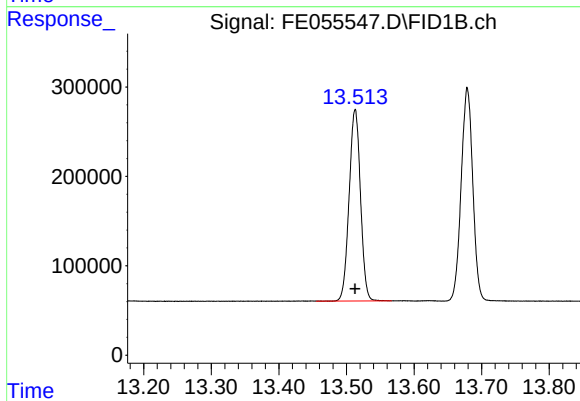
#10 n-Eicosane (C20)

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



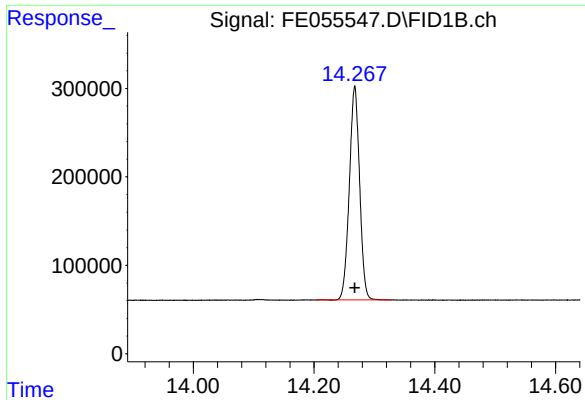
#11 n-Heneicosane (C21)

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



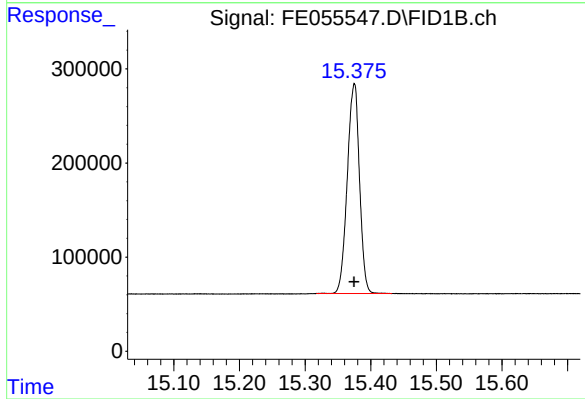
#12 1-chlorooctadecane (SURR)

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



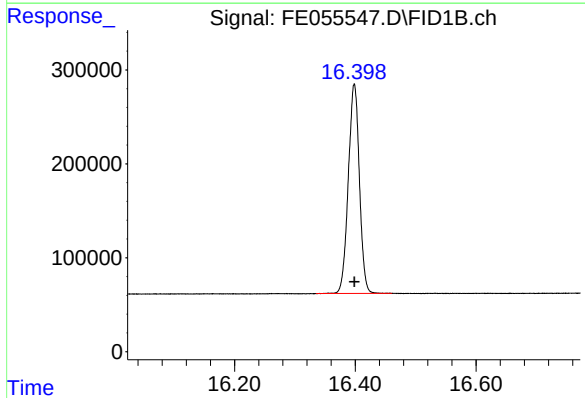
#13 n-Docosane (C22)

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



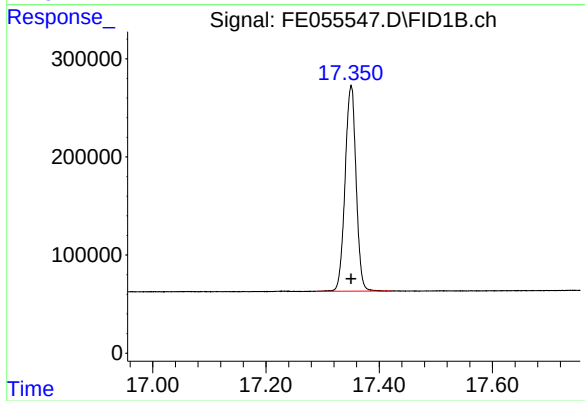
#14 n-Tetracosane (C24)

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



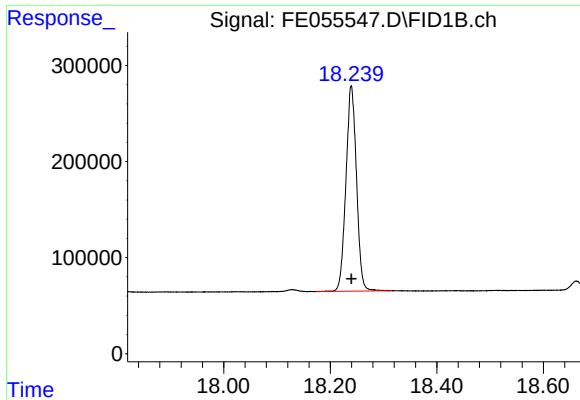
#15 n-Hexacosane (C26)

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



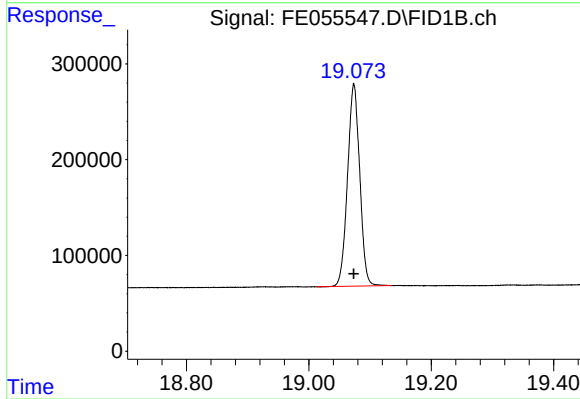
#16 n-Octacosane (C28)

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



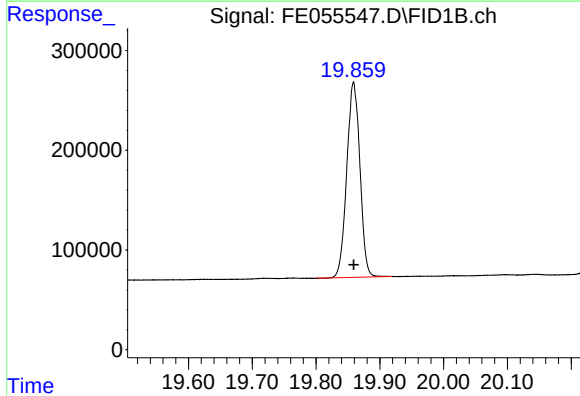
#17 n-Tricontane (C30)

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



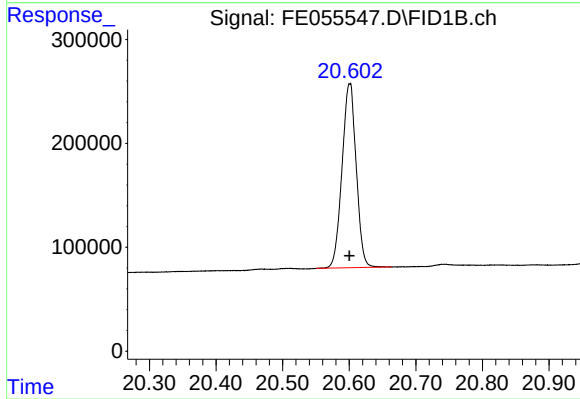
#18 n-Dotriacontane (C32)

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



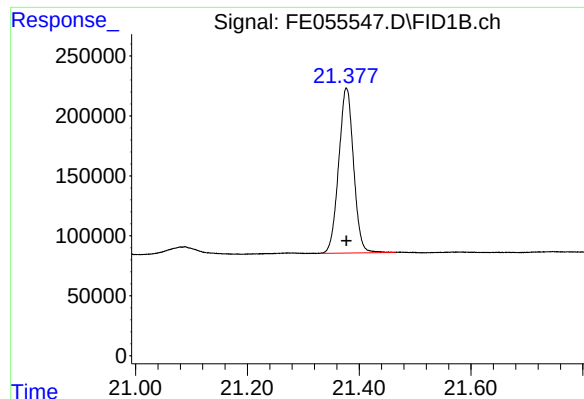
#19 n-Tetratriacontane (C34)

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



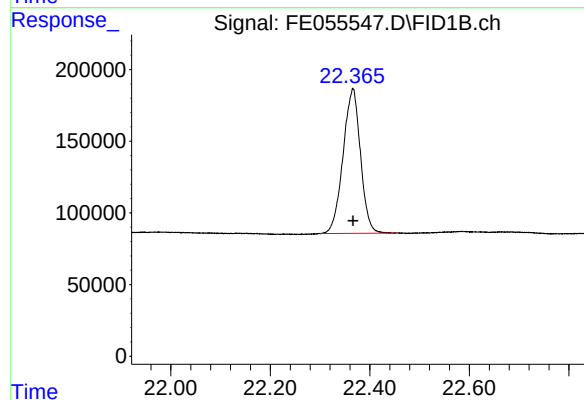
#20 n-Hexatriacontane (C36)

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

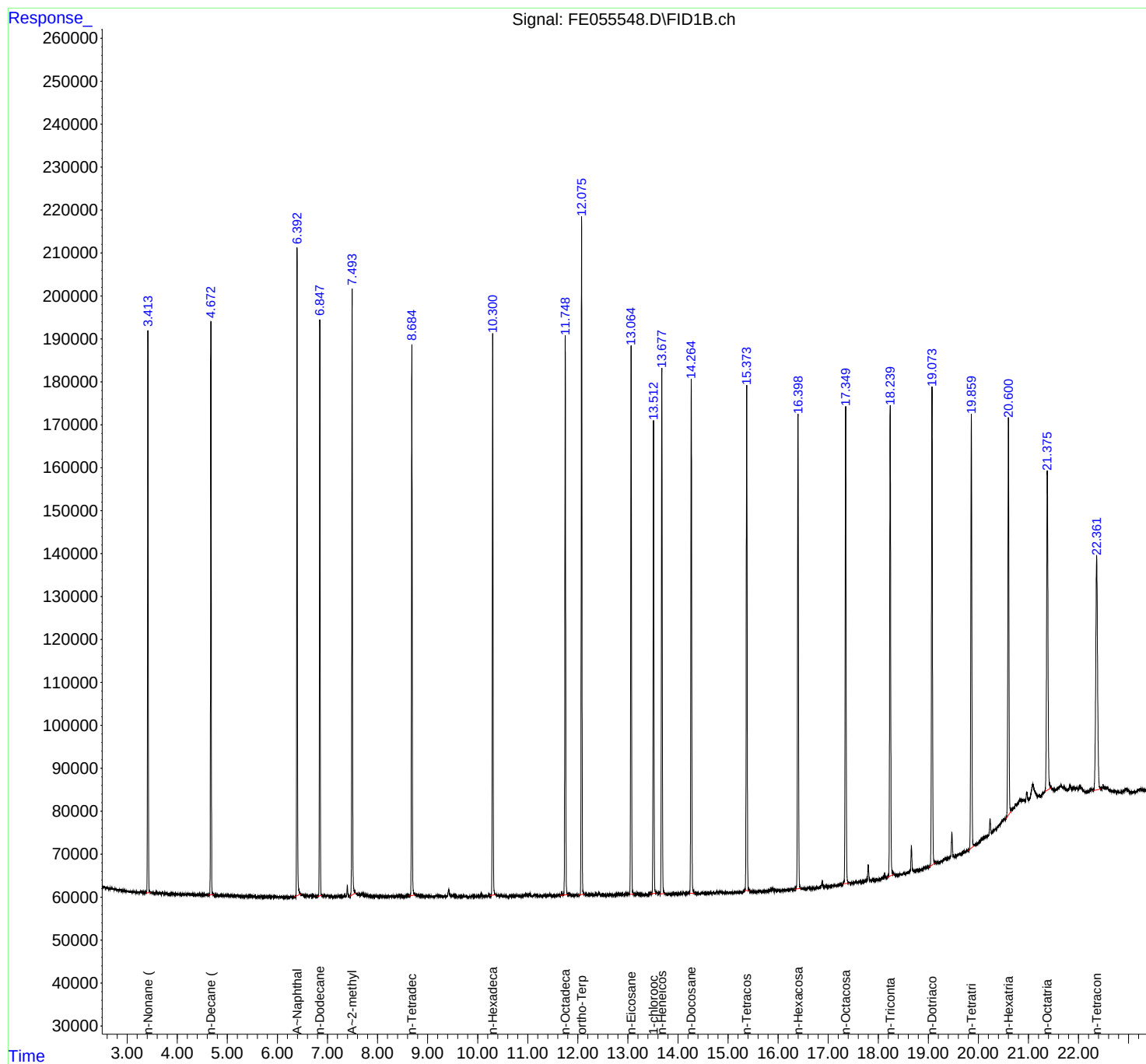
(f)=RT Delta > 1/2 Window

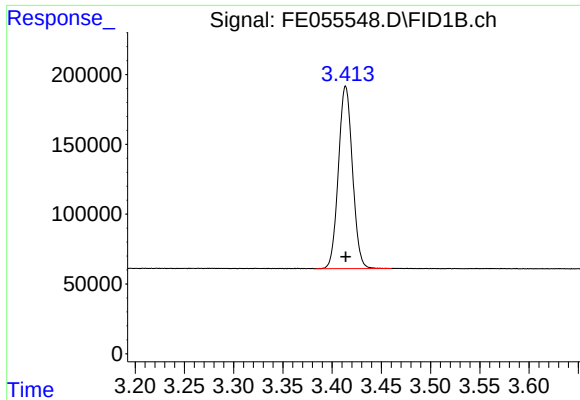
(m)=manual int.

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

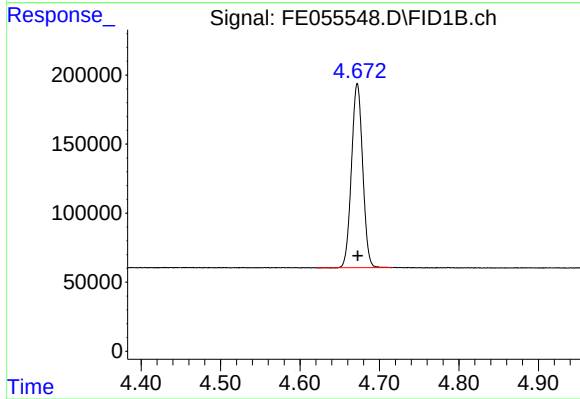
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





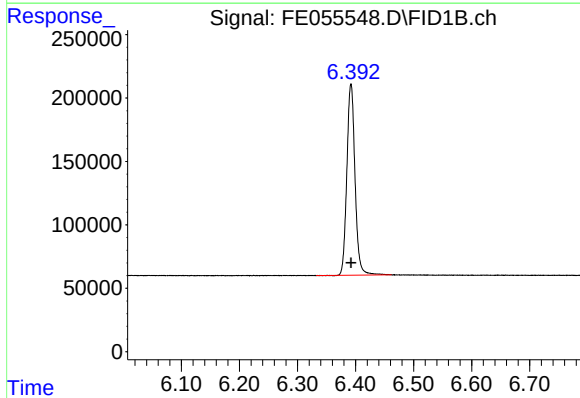
#1 n-Nonane (C9)

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



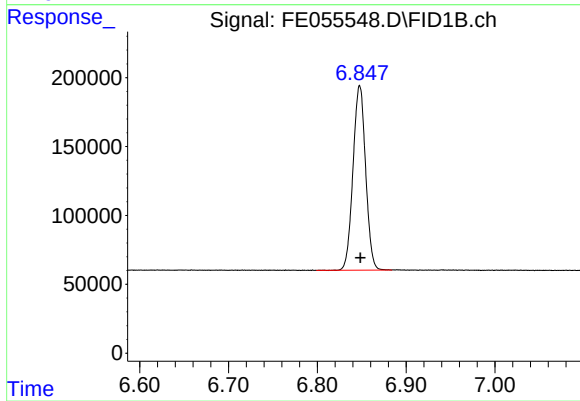
#2 n-Decane (C10)

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



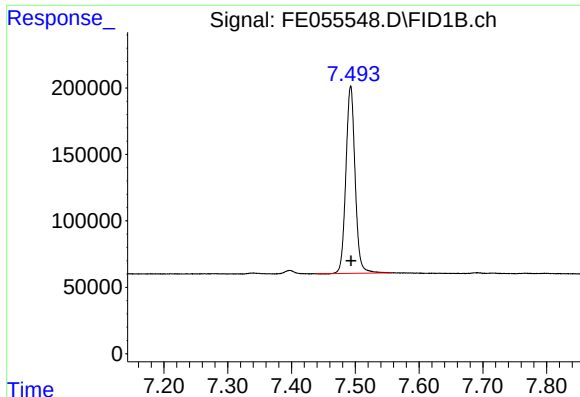
#3 A~Naphthalene (C11.7)

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



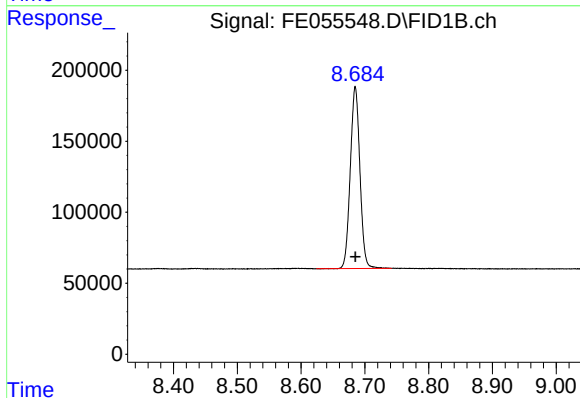
#4 n-Dodecane (C12)

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



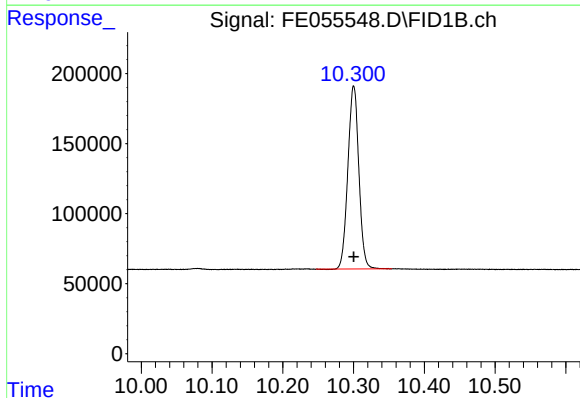
#5 A~2-methylnaphthalene (C12.89)

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



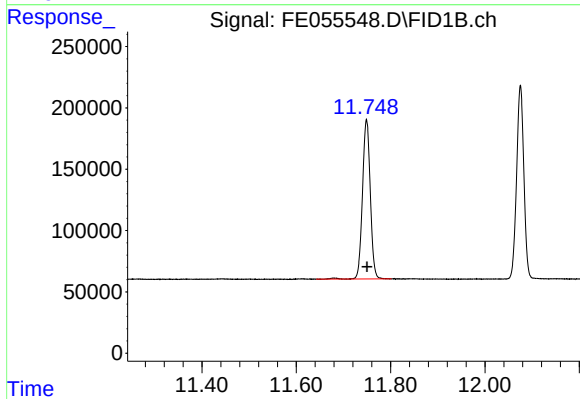
#6 n-Tetradecane (C14)

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



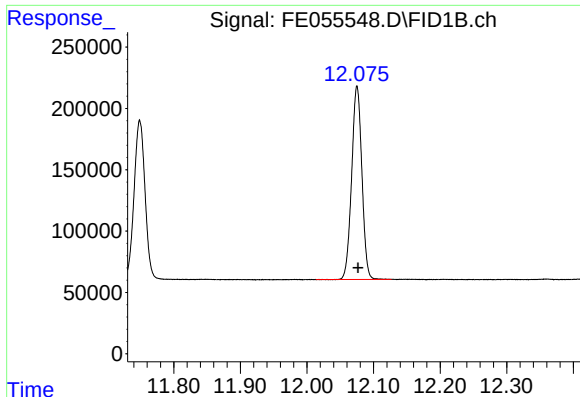
#7 n-Hexadecane (C16)

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



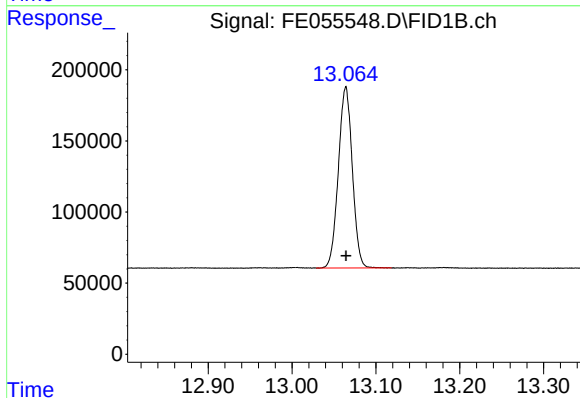
#8 n-Octadecane (C18)

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



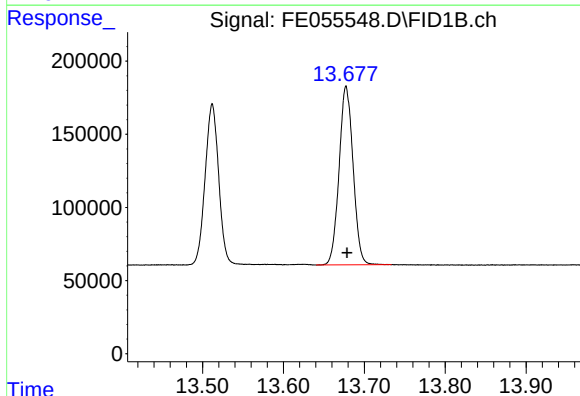
#9 ortho-Terphenyl (SURR)

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



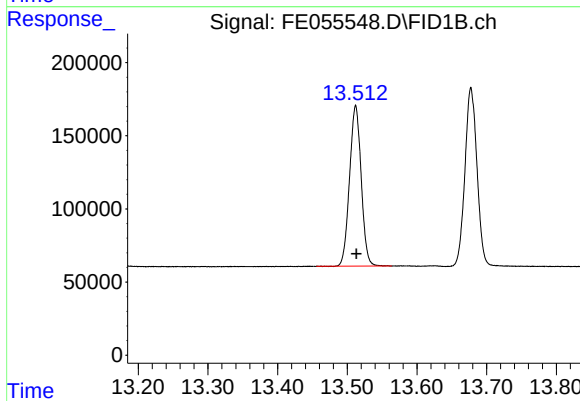
#10 n-Eicosane (C20)

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



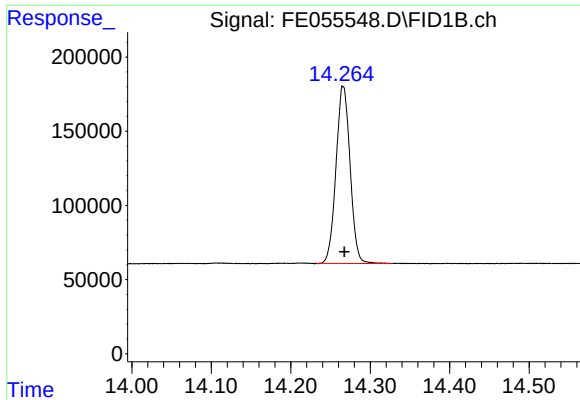
#11 n-Heneicosane (C21)

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



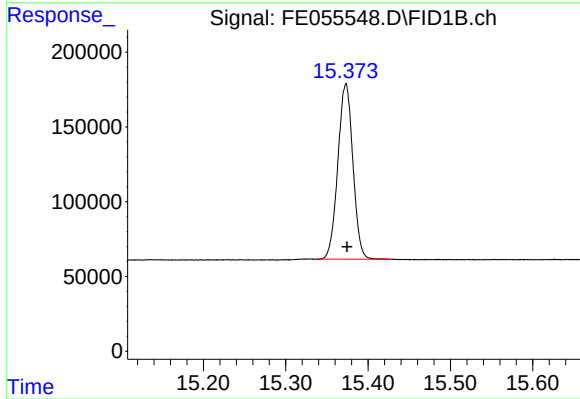
#12 1-chlorooctadecane (SURR)

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



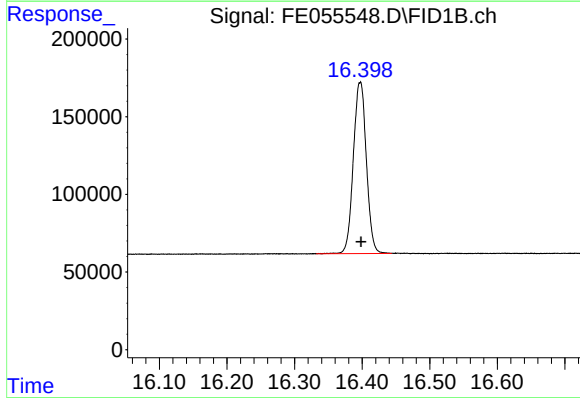
#13 n-Docosane (C22)

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



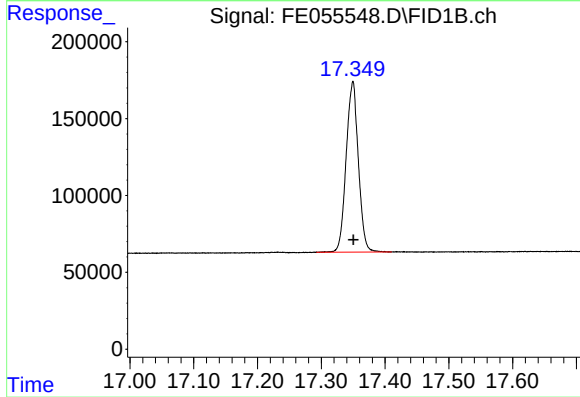
#14 n-Tetracosane (C24)

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



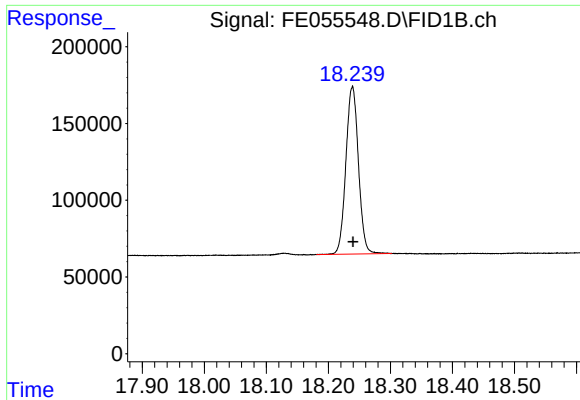
#15 n-Hexacosane (C26)

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



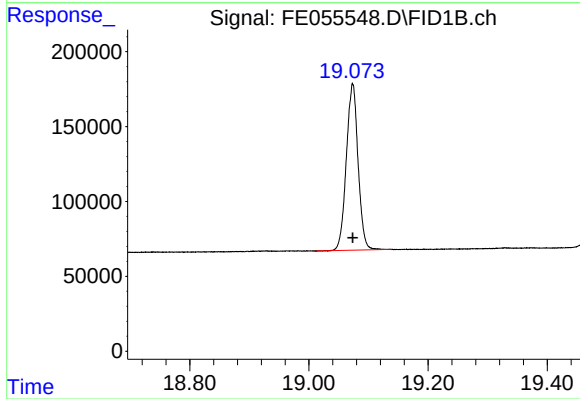
#16 n-Octacosane (C28)

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



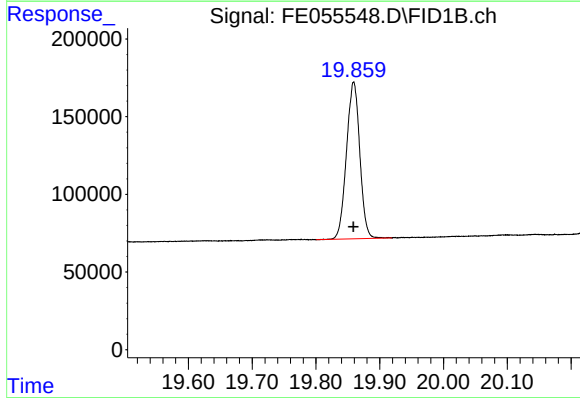
#17 n-Tricontane (C30)

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



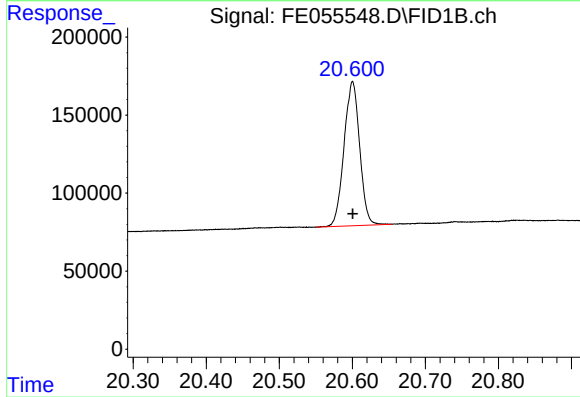
#18 n-Dotriacontane (C32)

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



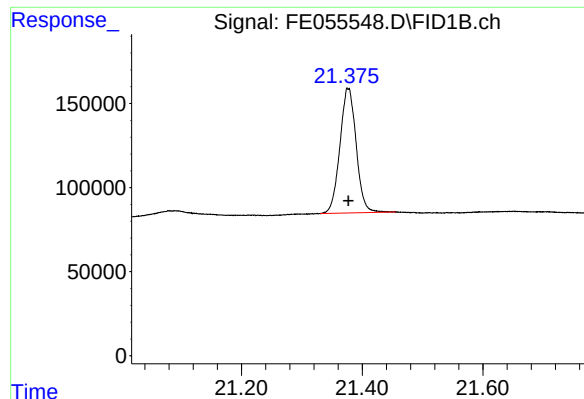
#19 n-Tetratriacontane (C34)

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



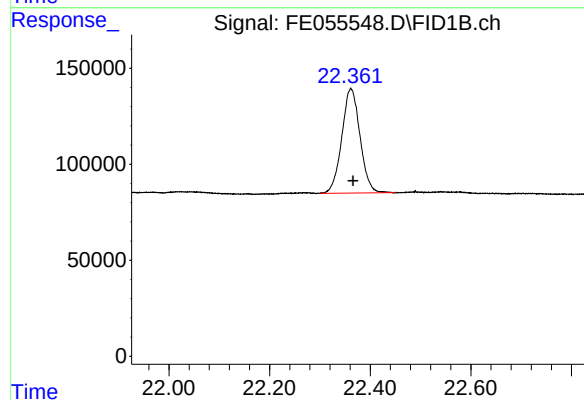
#20 n-Hexatriacontane (C36)

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

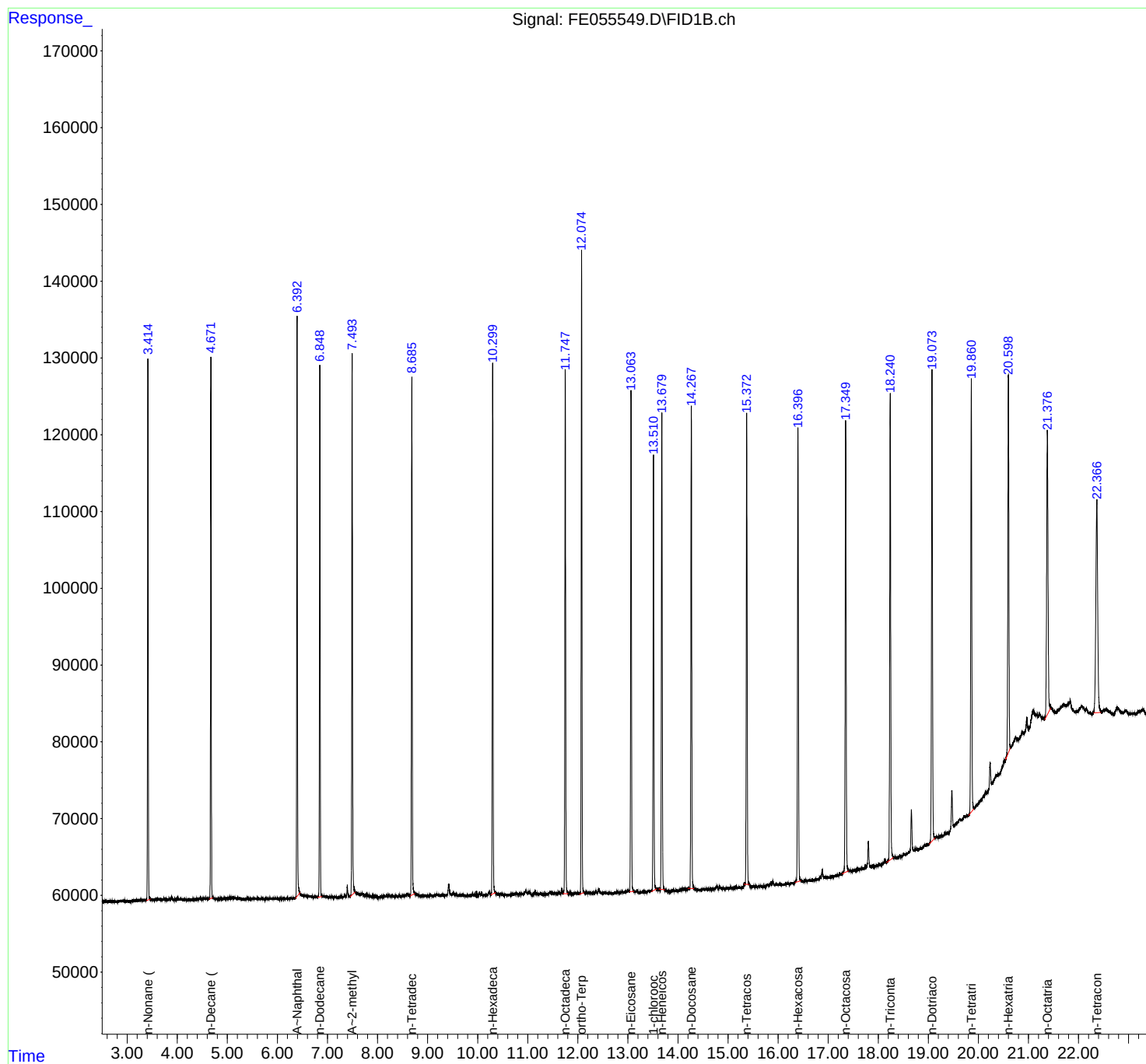
(f)=RT Delta > 1/2 Window

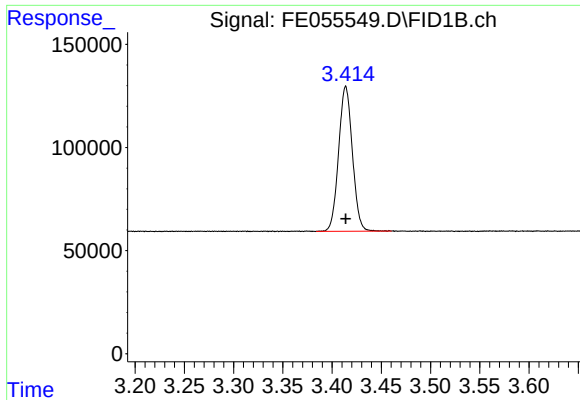
(m)=manual int.

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

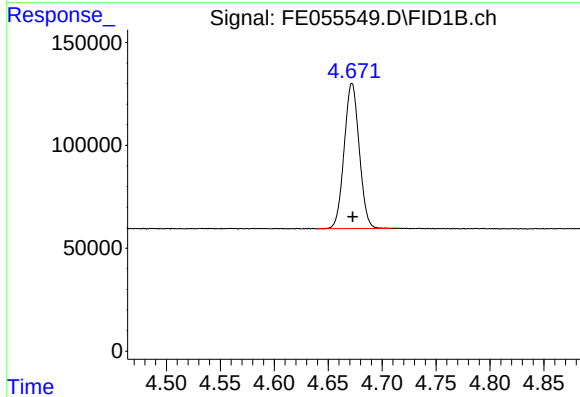
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





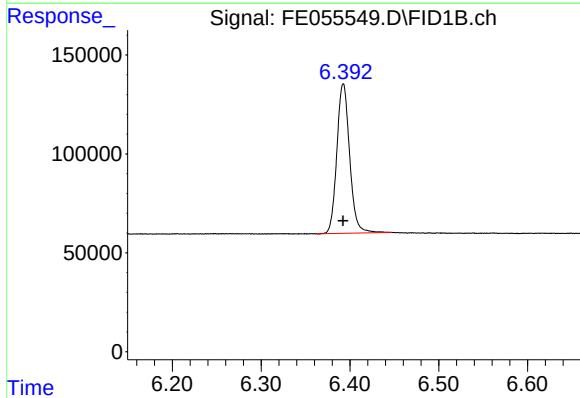
#1 n-Nonane (C9)

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



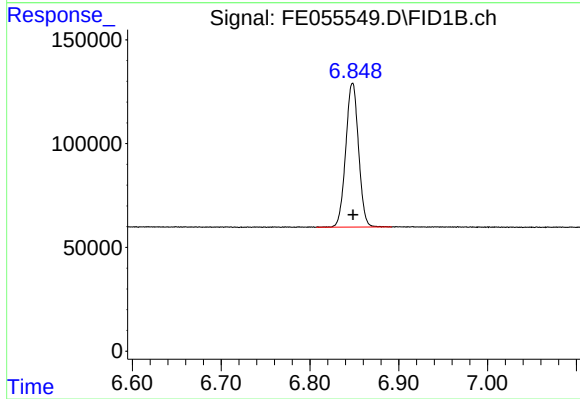
#2 n-Decane (C10)

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



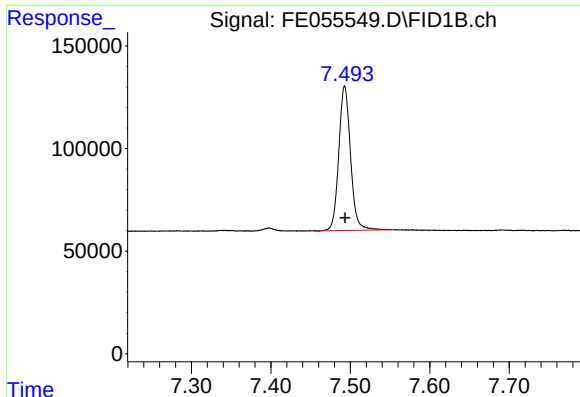
#3 A~Naphthalene (C11.7)

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



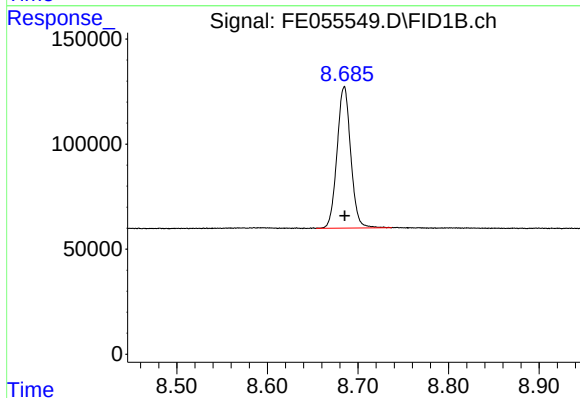
#4 n-Dodecane (C12)

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



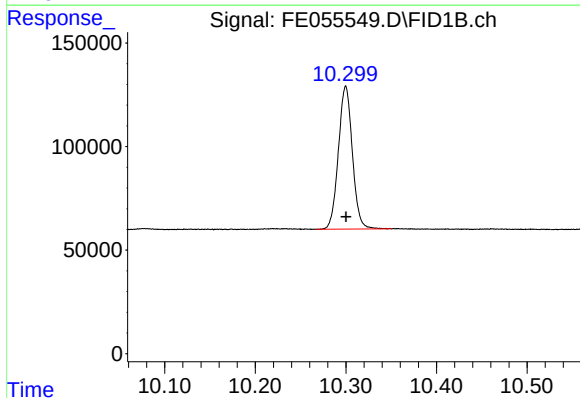
#5 A~2-methylnaphthalene (C12.89)

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



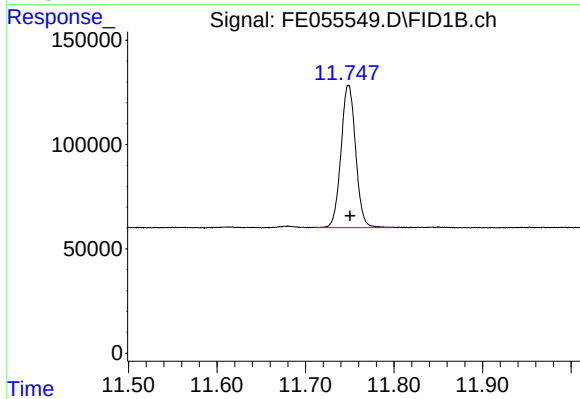
#6 n-Tetradecane (C14)

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



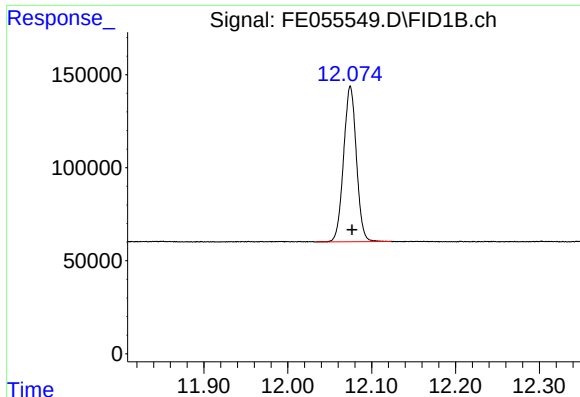
#7 n-Hexadecane (C16)

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



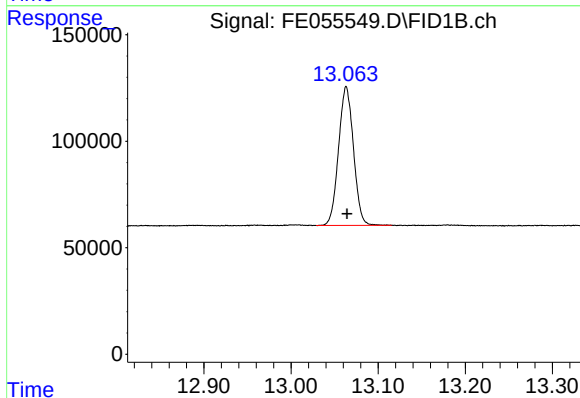
#8 n-Octadecane (C18)

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



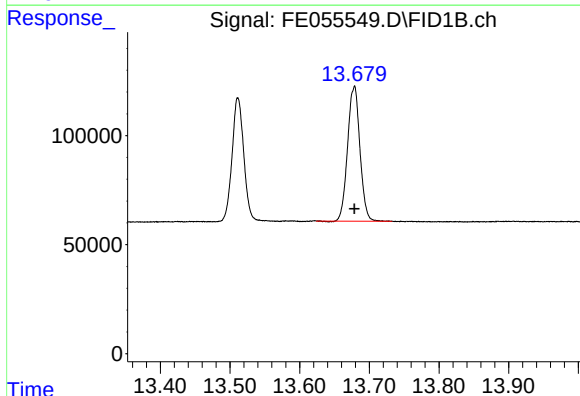
#9 ortho-Terphenyl (SURR)

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



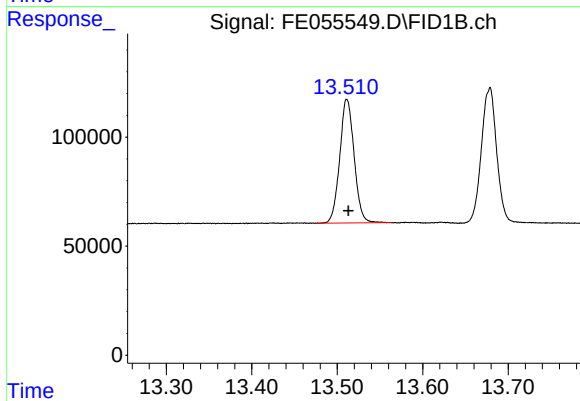
#10 n-Eicosane (C20)

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



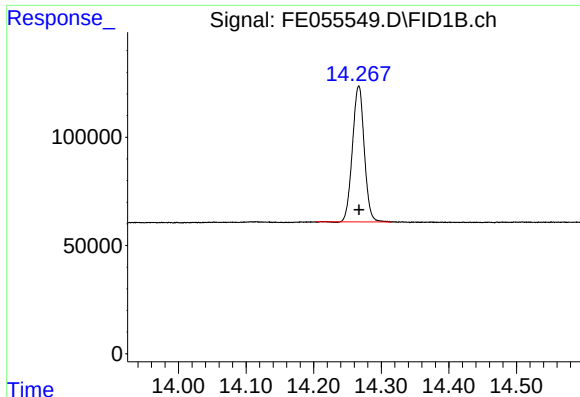
#11 n-Heneicosane (C21)

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



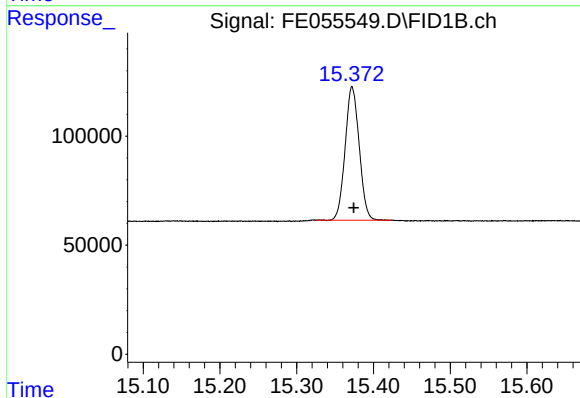
#12 1-chlorooctadecane (SURR)

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



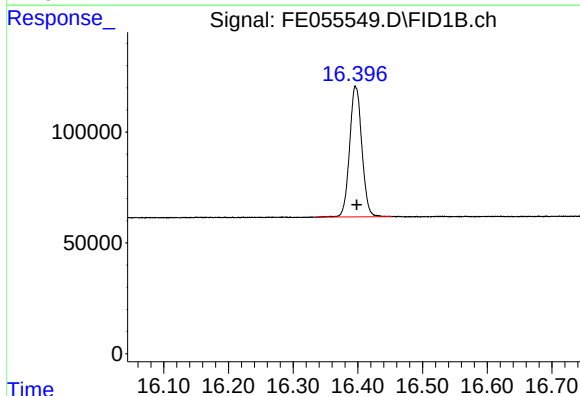
#13 n-Docosane (C22)

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



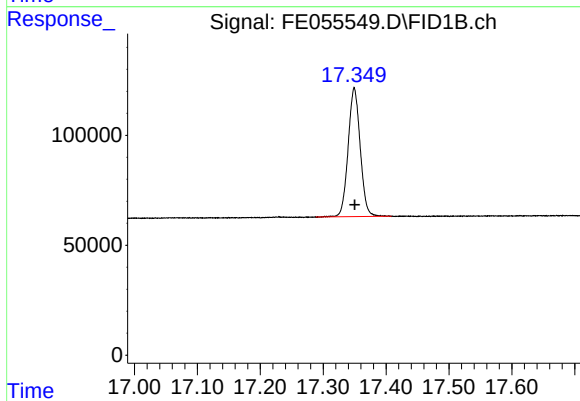
#14 n-Tetracosane (C24)

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



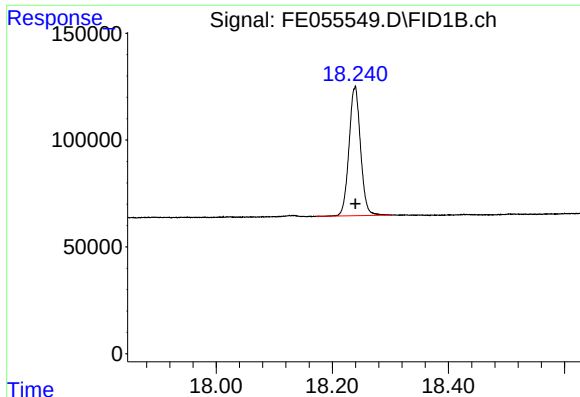
#15 n-Hexacosane (C26)

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



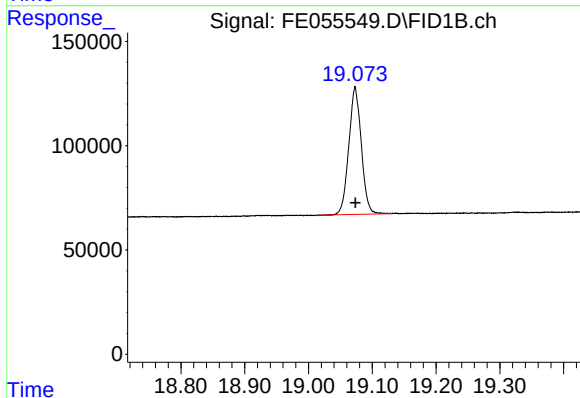
#16 n-Octacosane (C28)

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



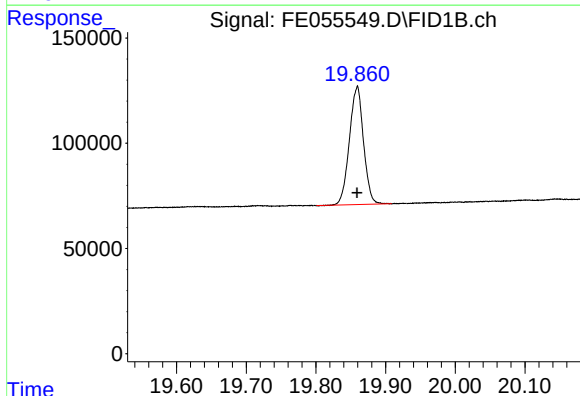
#17 n-Tricontane (C30)

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



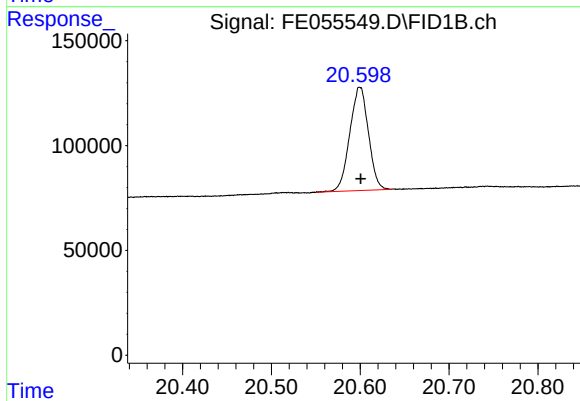
#18 n-Dotriacontane (C32)

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



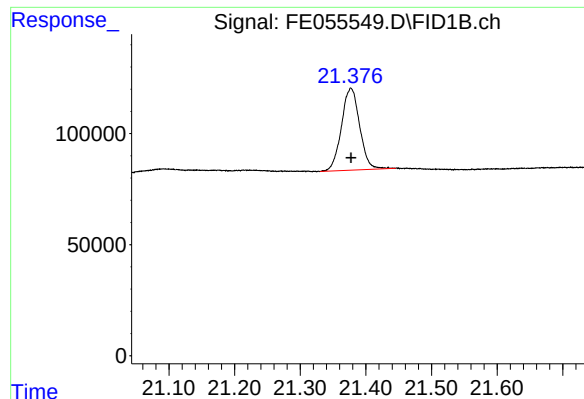
#19 n-Tetratriacontane (C34)

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



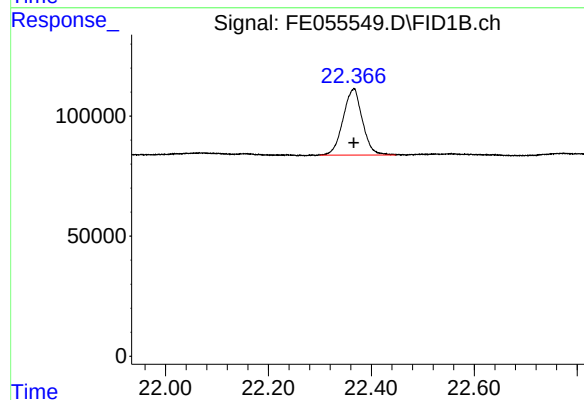
#20 n-Hexatriacontane (C36)

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

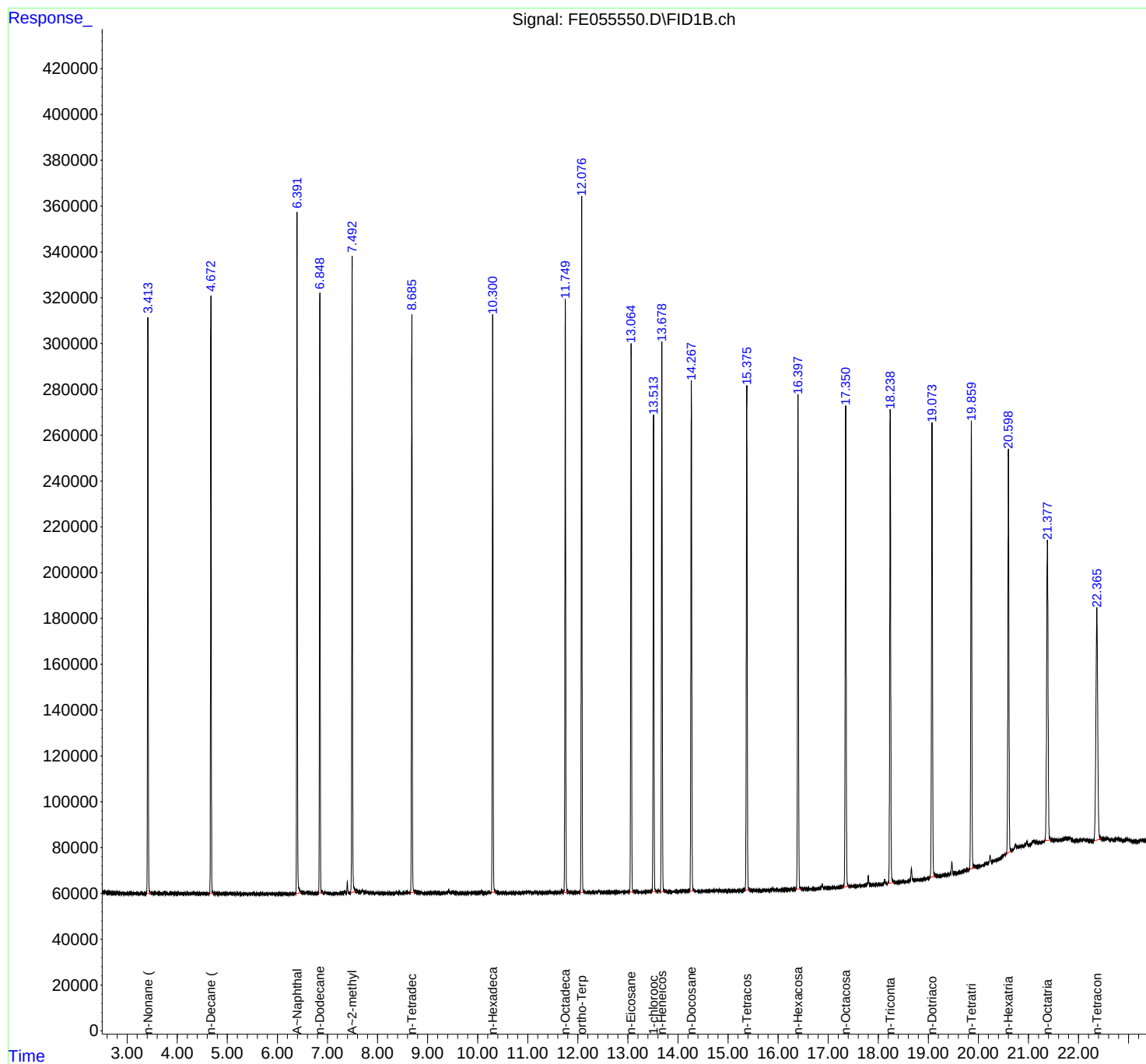
(f)=RT Delta > 1/2 Window

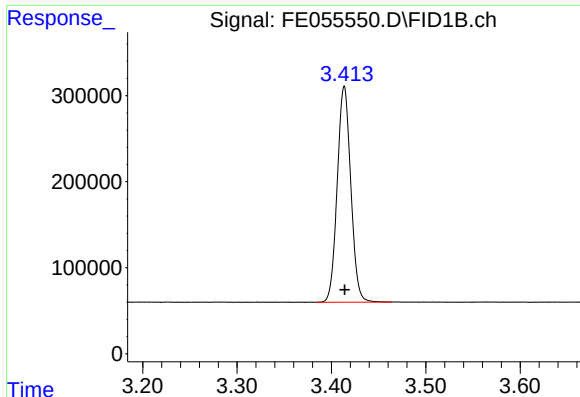
(m)=manual int.

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

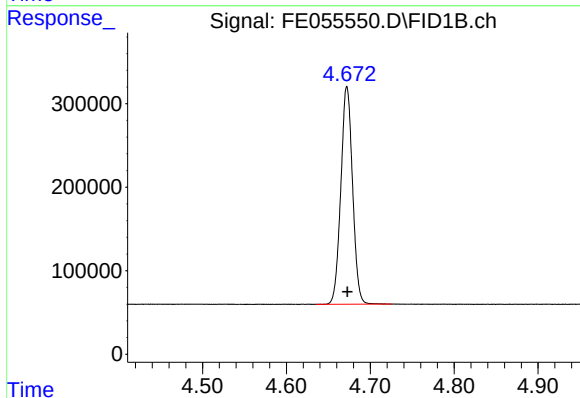
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





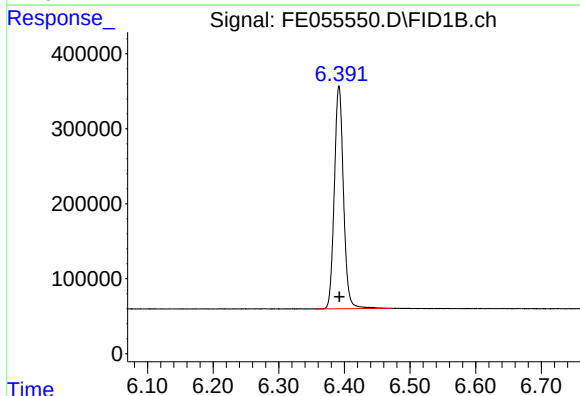
#1 n-Nonane (C9)

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



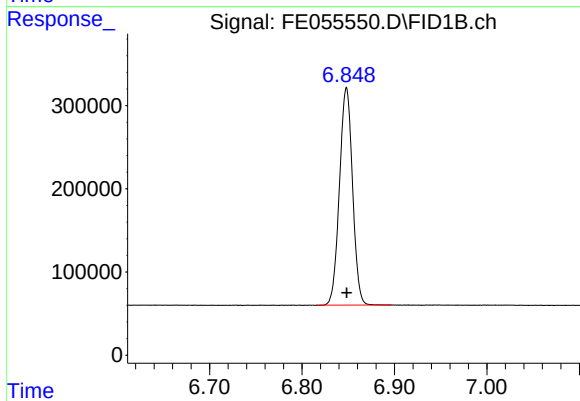
#2 n-Decane (C10)

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



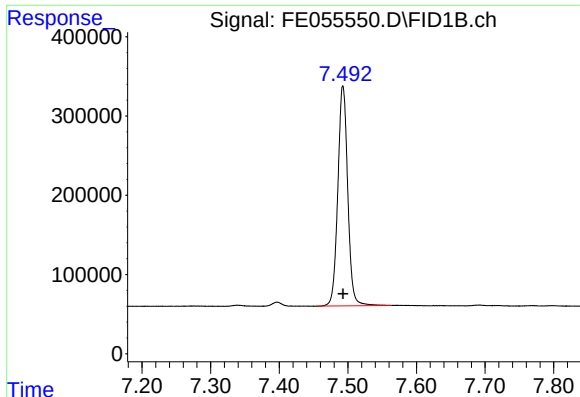
#3 A~Naphthalene (C11.7)

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



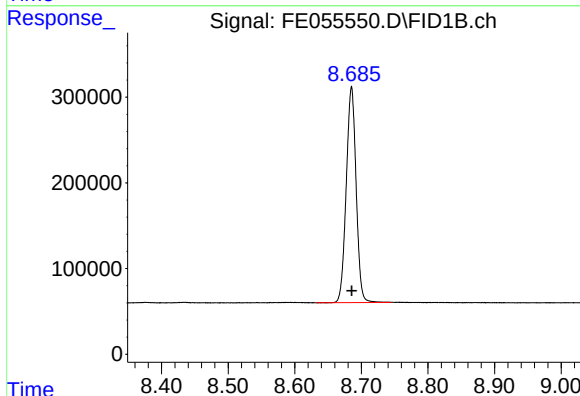
#4 n-Dodecane (C12)

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



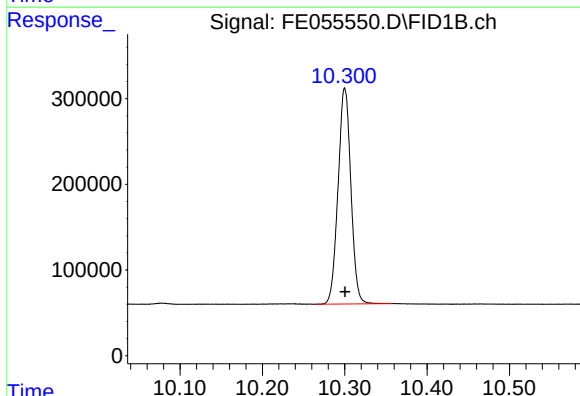
#5 A~2-methylnaphthalene (C12.89)

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



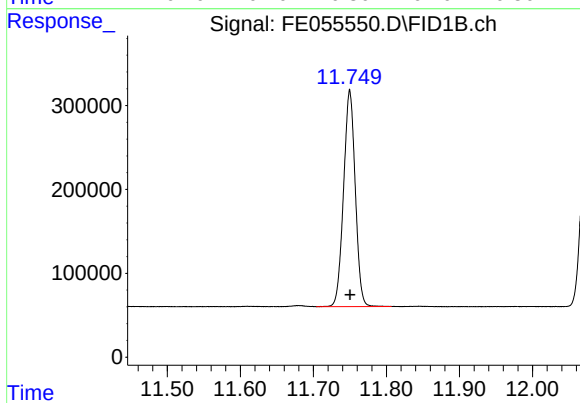
#6 n-Tetradecane (C14)

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



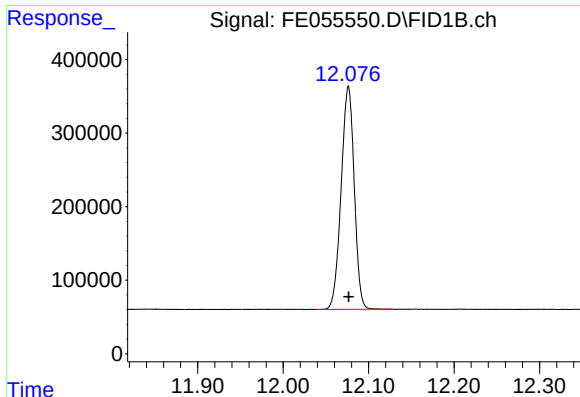
#7 n-Hexadecane (C16)

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



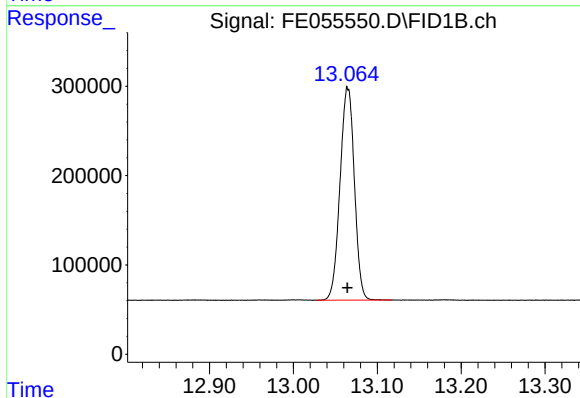
#8 n-Octadecane (C18)

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



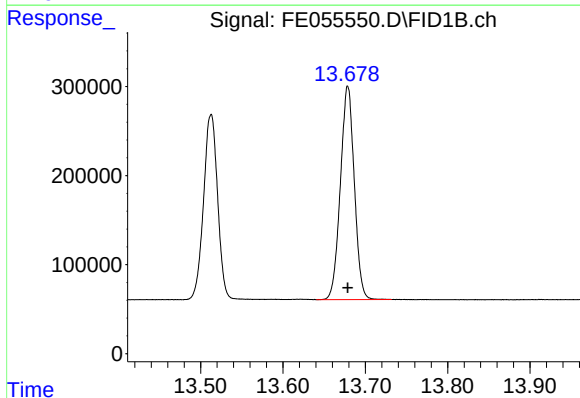
#9 ortho-Terphenyl (SURR)

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



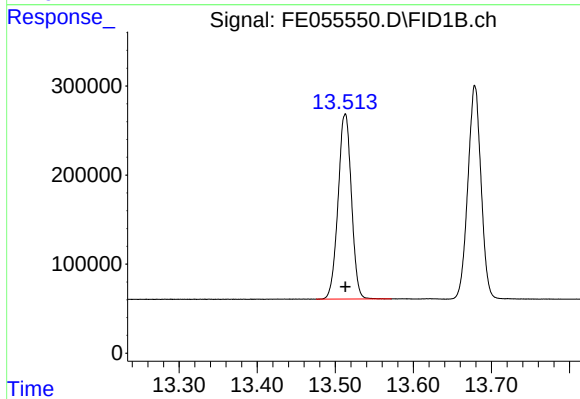
#10 n-Eicosane (C20)

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



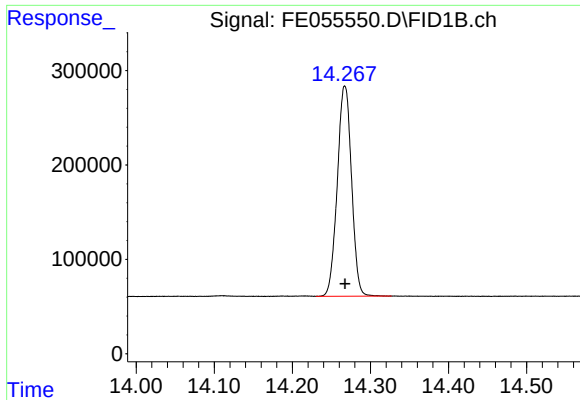
#11 n-Heneicosane (C21)

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



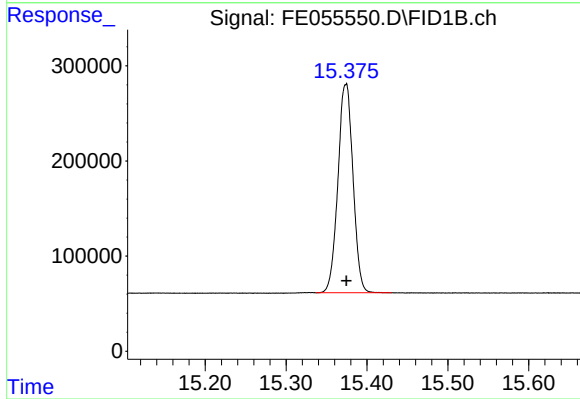
#12 1-chlorooctadecane (SURR)

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



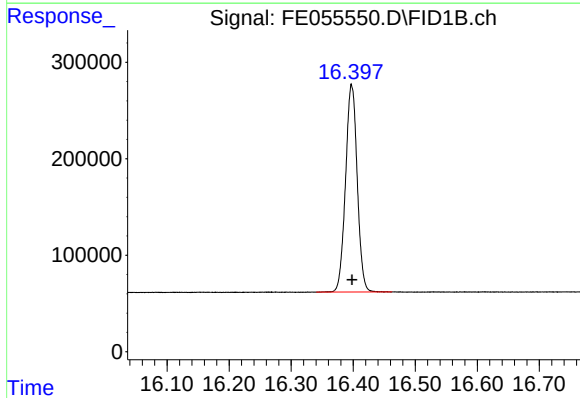
#13 n-Docosane (C22)

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



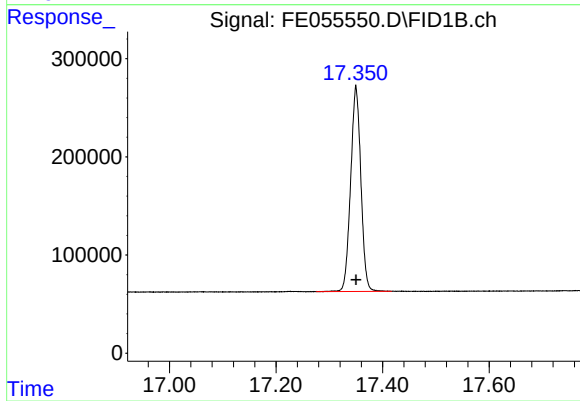
#14 n-Tetracosane (C24)

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



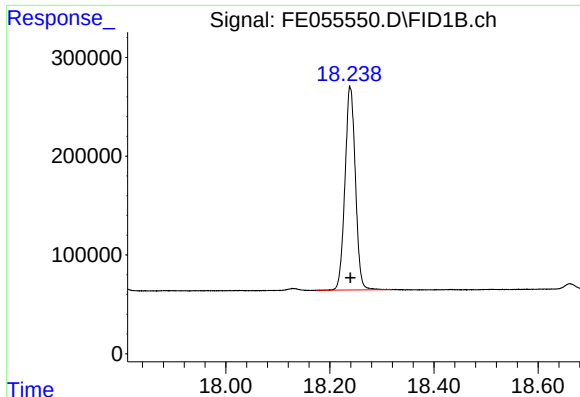
#15 n-Hexacosane (C26)

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



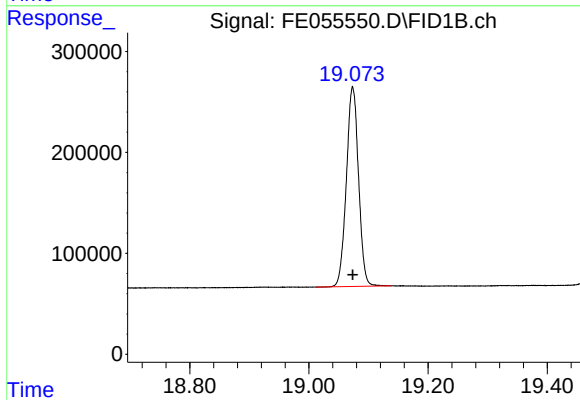
#16 n-Octacosane (C28)

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



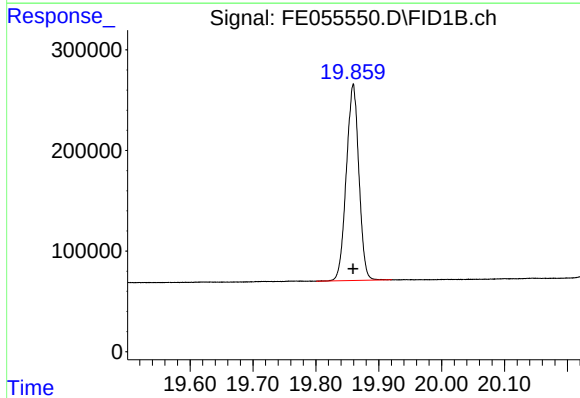
#17 n-Tricontane (C30)

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



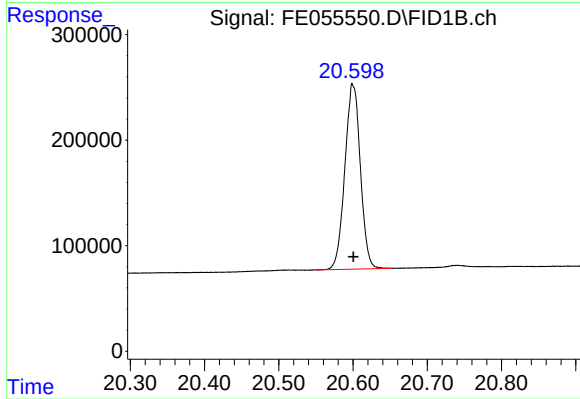
#18 n-Dotriacontane (C32)

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



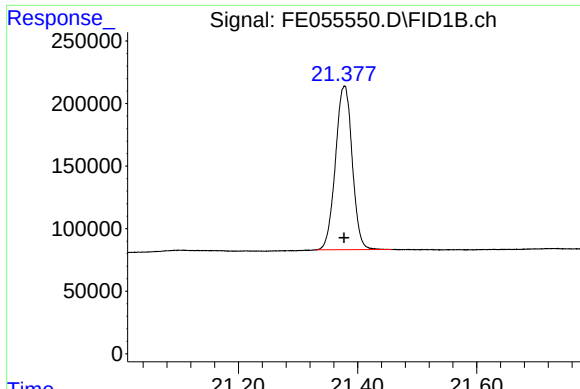
#19 n-Tetratriacontane (C34)

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



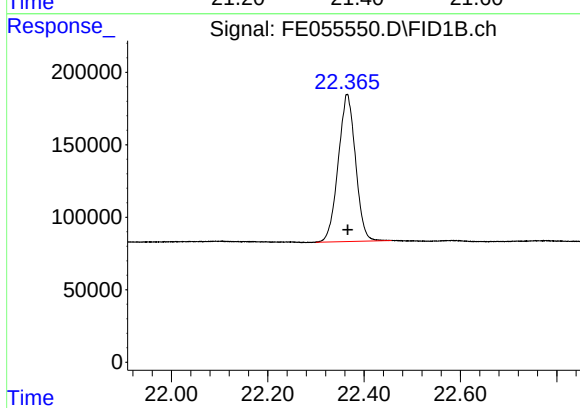
#20 n-Hexatriacontane (C36)

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 : 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:	YP\AJ
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.

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

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

Continuing Calibration Report for SequenceID : FE090425AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE055677.D

Aliphatic C9-C12	7816846.000	60.000	3.312	6.946	130280.767	128403.808	-1.462
Aliphatic C12-C16	5587325.000	40.000	6.947	10.398	139683.125	135095.243	-3.396
Aliphatic C16-C21	8956606.000	60.000	10.399	13.777	149276.767	144217.196	-3.508
Aliphatic C21-C28	12052914.000	80.000	13.778	17.448	150661.425	143235.734	-5.184
Aliphatic C28-C40	17389836.000	120.000	17.449	22.463	144915.300	137719.667	-5.225
Aliphatic EPH	51803527.000	360.000	3.312	22.463	143898.686	138184.135	-4.135

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	04 Sep 2025 22:37
Client Sample ID:		Operator:	YPAJ
Data file:	FE055677.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	7816846.000	60.000	ug/ml
Aliphatic C12-C16	6.947	10.398	5587325.000	40.000	ug/ml
Aliphatic C16-C21	10.399	13.777	8956606.000	60.000	ug/ml
Aliphatic C21-C28	13.778	17.448	12052914.000	80.000	ug/ml
Aliphatic C28-C40	17.449	22.463	17389836.000	120.000	ug/ml
Aliphatic EPH	3.312	22.463	51803527.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055677.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 22:37
 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 01:31:01 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)	12.072	3391149	20.642 ug/ml
Spiked Amount 50.000		Recovery =	41.28%
12) S 1-chlorooctadecane (S...	13.509	2593061	20.737 ug/ml
Spiked Amount 50.000		Recovery =	41.47%
Target Compounds			
1) T n-Nonane (C9)	3.411	2522285	19.876 ug/ml
2) T n-Decane (C10)	4.670	2618124	20.438 ug/ml
3) T A~Naphthalene (C11.7)	6.388	2971617	20.453 ug/ml
4) T n-Dodecane (C12)	6.845	2676437	20.554 ug/ml
5) T A~2-methylnaphthalene...	7.489	2884470	20.508 ug/ml
6) T n-Tetradecane (C14)	8.682	2718612	20.644 ug/ml
7) T n-Hexadecane (C16)	10.297	2868713	20.713 ug/ml
8) T n-Octadecane (C18)	11.747	3021538	20.715 ug/ml
10) T n-Eicosane (C20)	13.061	2979272	20.697 ug/ml
11) T n-Heneicosane (C21)	13.675	2955796	20.692 ug/ml
13) T n-Docosane (C22)	14.263	2977736	20.802 ug/ml
14) T n-Tetracosane (C24)	15.370	3057717	21.132 ug/ml
15) T n-Hexacosane (C26)	16.394	3004573	21.031 ug/ml
16) T n-Octacosane (C28)	17.346	3012888	21.182 ug/ml
17) T n-Tricontane (C30)	18.236	3166748	21.423 ug/ml
18) T n-Dotriacontane (C32)	19.070	3182258	21.681 ug/ml
19) T n-Tetratriacontane (C34)	19.856	3026194	21.419 ug/ml
20) T n-Hexatriacontane (C36)	20.596	2787856	21.127 ug/ml
21) T n-Octatriacontane (C38)	21.374	2657391	20.404 ug/ml
22) T n-Tetracontane (C40)	22.360	2569389	20.036 ug/ml

(f)=RT Delta > 1/2 Window

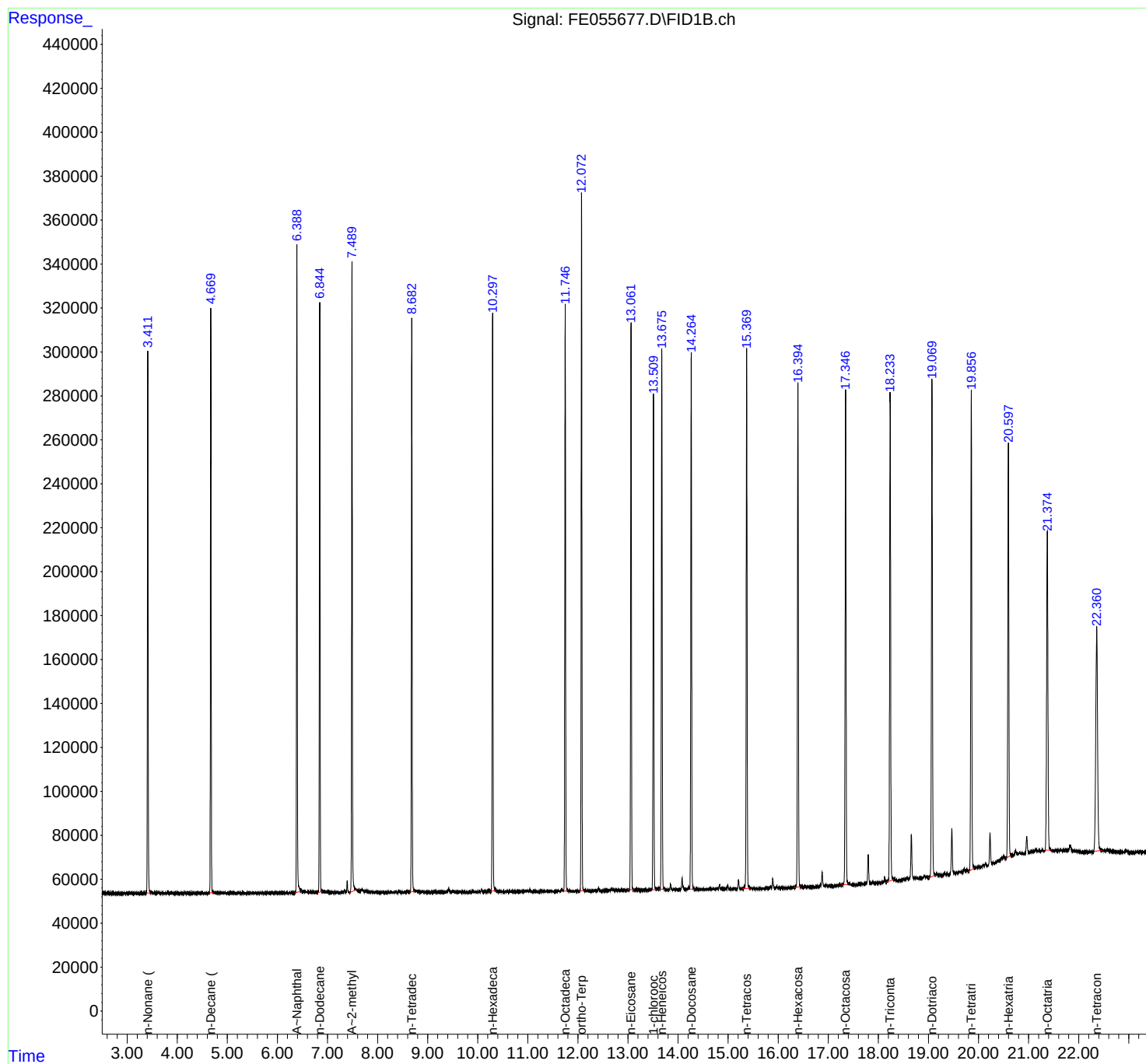
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
Data File : FE055677.D
Signal(s) : FID1B.ch
Acq On : 04 Sep 2025 22:37
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 01:31:01 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 : FE055677.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 22:37
 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	3.380	3.470	BB	246101	2522285	74.38%	3.963%
2	4.670	4.637	4.719	BB	266192	2618124	77.20%	4.114%
3	6.388	6.345	6.479	BB	295102	2971617	87.63%	4.669%
4	6.845	6.807	6.899	BB	268488	2676437	78.92%	4.205%
5	7.489	7.447	7.574	BB	285868	2884470	85.06%	4.532%
6	8.682	8.647	8.745	BB	261163	2718612	80.17%	4.272%
7	10.297	10.259	10.357	BB	263700	2868713	84.59%	4.507%
8	11.747	11.702	11.804	BB	267069	3021538	89.10%	4.748%
9	12.072	12.024	12.127	BB	317675	3391149	100.00%	5.328%
10	13.061	13.002	13.115	BB	257125	2979272	87.85%	4.681%
11	13.509	13.472	13.564	BB	225457	2593061	76.47%	4.074%
12	13.675	13.610	13.734	BB	245730	2955796	87.16%	4.644%
13	14.263	14.229	14.325	VB	243772	2977736	87.81%	4.679%
14	15.370	15.285	15.437	BB	244678	3057717	90.17%	4.804%
15	16.394	16.309	16.445	BB	228979	3004573	88.60%	4.721%
16	17.346	17.262	17.405	BB	225199	3012888	88.85%	4.734%
17	18.236	18.159	18.304	BV	218827	3166748	93.38%	4.976%
18	19.070	19.000	19.142	BB	225410	3182258	93.84%	5.000%
19	19.856	19.800	19.915	BB	216576	3026194	89.24%	4.755%
20	20.596	20.550	20.649	BB	188383	2787856	82.21%	4.380%
21	21.374	21.330	21.452	BB	145185	2657391	78.36%	4.175%
22	22.360	22.300	22.462	BB	102180	2569389	75.77%	4.037%
Sum of corrected areas:							63643826	

Aliphatic EPH 082925.M Fri Sep 05 02:10:35 2025



QC SAMPLE DATA

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	
Client Sample ID:	PB169545BL	SDG No.:	Q3012
Lab Sample ID:	PB169545BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/04/25 09:05	09/04/25 13:27	PB169545

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	FE055660.D
Total EPH	Total EPH	0.91	U		0.91	3.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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:	Sciacca General Contractors, LLC	Date Collected:	
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	
Client Sample ID:	PB169545BL	SDG No.:	Q3012
Lab Sample ID:	PB169545BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055660.D	1	09/04/25	09/04/25	PB169545

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.2		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.4		40 - 140	77%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169545BL	Acq On:	04 Sep 2025 13:27
Client Sample ID:	PB169545BL	Operator:	YP\AJ
Data file:	FE055660.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.946	0	0	300	ug/ml
Aliphatic C12-C16	6.947	10.398	0	0	200	ug/ml
Aliphatic C16-C21	10.399	13.777	0	0	300	ug/ml
Aliphatic C21-C28	13.778	17.448	0	0	400	ug/ml
Aliphatic C28-C40	17.449	22.463	0	0	600	ug/ml
Aliphatic EPH	3.312	22.463	0	0		ug/ml
ortho-Terphenyl (SURR)	12.079	12.079	6305055	38.38		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	4649522	37.18		ug/ml
Aliphatic C9-C28	3.312	17.448	0	0	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055660.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 13:27
 Operator : YP\AJ
 Sample : PB169545BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB169545BL

Integration File: autoint1.e
 Quant Time: Sep 05 01:24:36 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)	12.079	6305055	38.379 ug/ml
Spiked Amount 50.000		Recovery =	76.76%
12) S 1-chlorooctadecane (S...	13.515	4649522	37.183 ug/ml
Spiked Amount 50.000		Recovery =	74.37%

Target Compounds

(f)=RT Delta > 1/2 Window

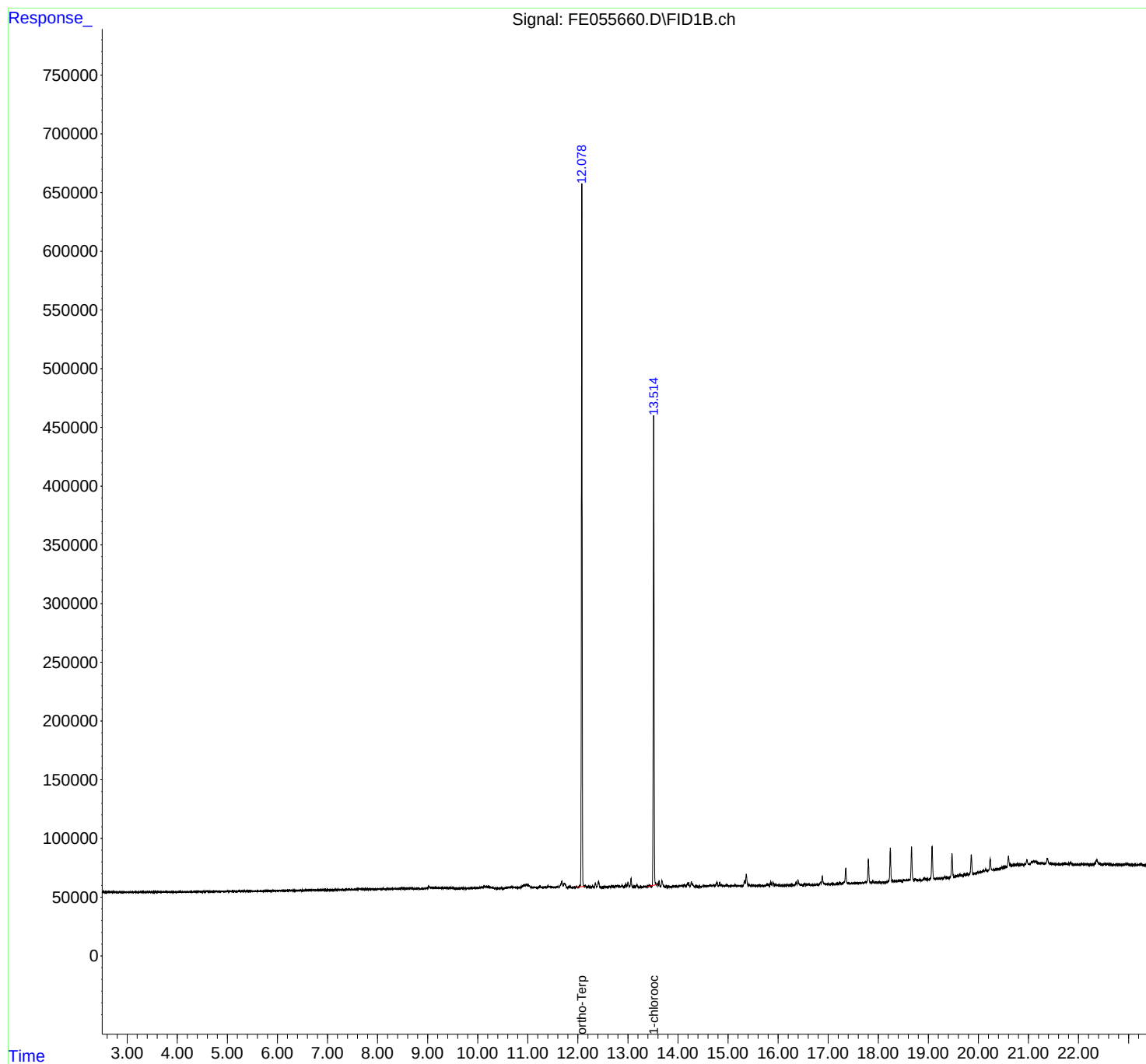
(m)=manual int.

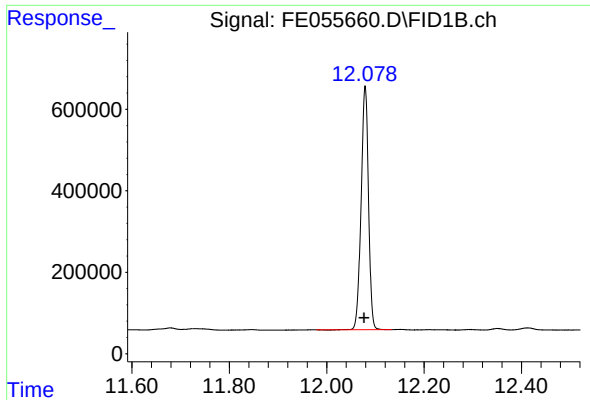
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
Data File : FE055660.D
Signal(s) : FID1B.ch
Acq On : 04 Sep 2025 13:27
Operator : YP\AJ
Sample : PB169545BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169545BL

Integration File: autoint1.e
Quant Time: Sep 05 01:24:36 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

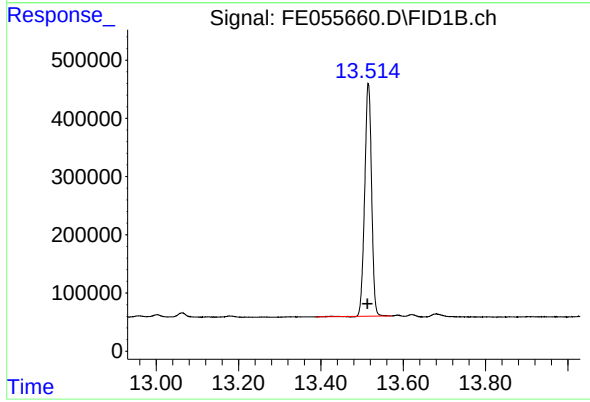




#9 ortho-Terphenyl (SURR)

R.T.: 12.079 min
Delta R.T.: 0.002 min
Response: 6305055
Conc: 38.38 ug/ml

Instrument :
FID_E
ClientSampleId :
PB169545BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.515 min
Delta R.T.: 0.003 min
Response: 4649522
Conc: 37.18 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
Data File : FE055660.D
Signal(s) : FID1B.ch
Acq On : 04 Sep 2025 13:27
Sample : PB169545BL
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	12.079	11.978	12.133	BV	598245	6305055	100.00%	57.556%
2	13.515	13.388	13.572	BV	399840	4649522	73.74%	42.444%
Sum of corrected areas:							10954577	

Aliphatic EPH 082925.M Fri Sep 05 02:05:38 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	
Client Sample ID:	PB169545BS	SDG No.:	Q3012
Lab Sample ID:	PB169545BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/04/25 09:05	09/04/25 13:58	PB169545

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	61.3		1	0.91	4.00	mg/kg	FE055661.D
Total EPH	Total EPH	61.3			0.91	4.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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:	Sciacca General Contractors, LLC	Date Collected:	
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	
Client Sample ID:	PB169545BS	SDG No.:	Q3012
Lab Sample ID:	PB169545BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055661.D	1	09/04/25	09/04/25	PB169545

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	61.3		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.4		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.7		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169545BS	Acq On:	04 Sep 2025 13:58
Client Sample ID:	PB169545BS	Operator:	YP\AJ
Data file:	FE055661.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.946	22071132	171.888	300	ug/ml
Aliphatic C12-C16	6.947	10.398	28655166	212.111	200	ug/ml
Aliphatic C16-C21	10.399	13.777	33552149	232.65	300	ug/ml
Aliphatic C21-C28	13.778	17.448	43521331	303.844	400	ug/ml
Aliphatic C28-C40	17.449	22.463	38229045	277.586	600	ug/ml
Aliphatic EPH	3.312	22.463	166028823	1200		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	5367830	32.67		ug/ml
1-chlorooctadecane (SURR)	13.511	13.511	4176947	33.4		ug/ml
Aliphatic C9-C28	3.312	17.448	127799778	920.493	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055661.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 13:58
 Operator : YP\AJ
 Sample : PB169545BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB169545BS

Integration File: autoint1.e
 Quant Time: Sep 05 01:24:55 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	5367830	32.674 ug/ml
Spiked Amount 50.000		Recovery =	65.35%
12) S 1-chlorooctadecane (S...	13.511	4176947	33.404 ug/ml
Spiked Amount 50.000		Recovery =	66.81%

Target Compounds

(f)=RT Delta > 1/2 Window

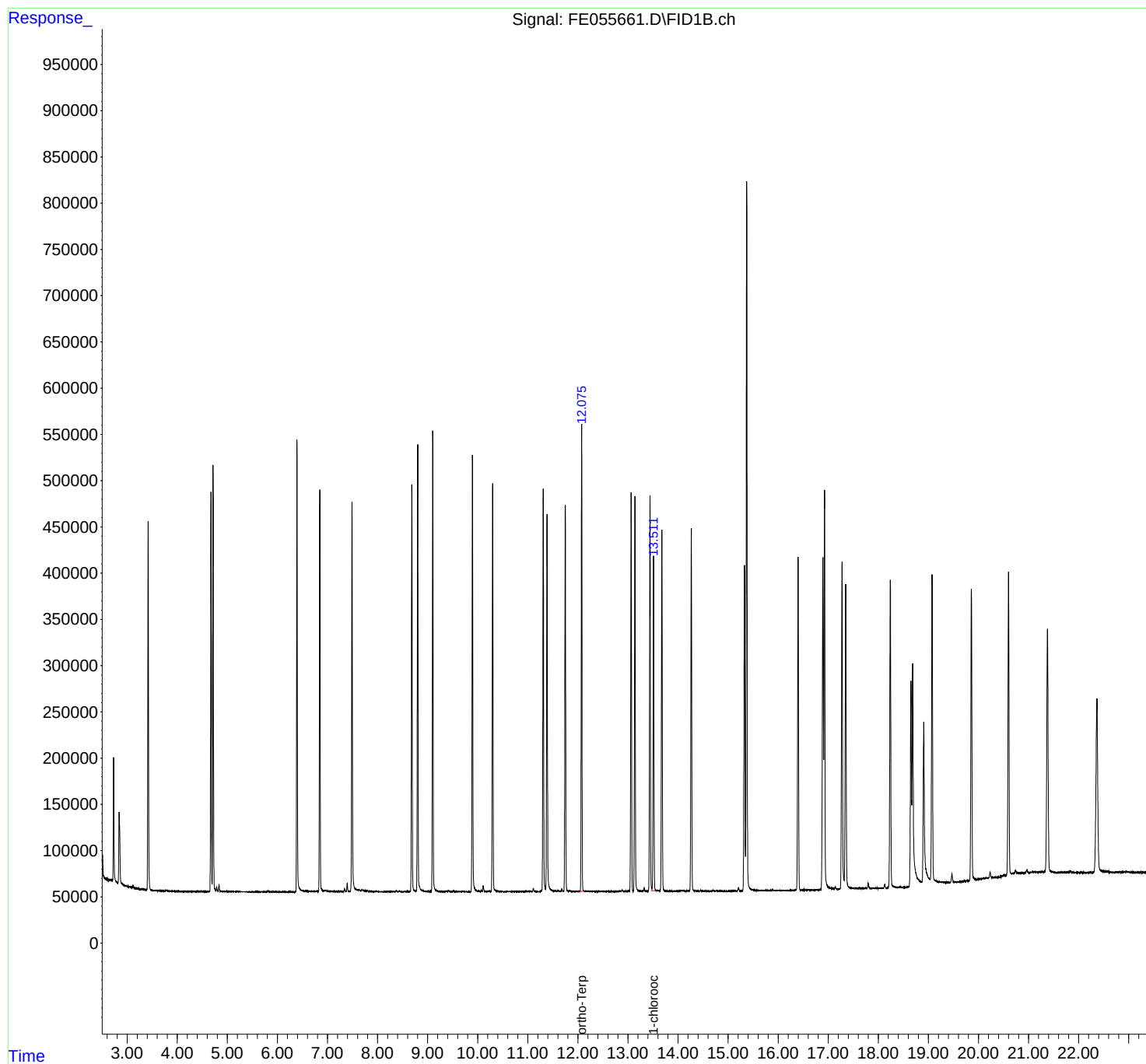
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
Data File : FE055661.D
Signal(s) : FID1B.ch
Acq On : 04 Sep 2025 13:58
Operator : YP\AJ
Sample : PB169545BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169545BS

Integration File: autoint1.e
Quant Time: Sep 05 01:24:55 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\FE090425AL\
 Data File : FE055661.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 13:58
 Sample : PB169545BS
 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	3.419	3.365	3.492	BB	398581	4057147	42.17%	2.311%
2	4.674	4.620	4.694	BV	432286	4244735	44.12%	2.418%
3	4.714	4.694	4.769	VV	460841	4608395	47.90%	2.625%
4	6.390	6.340	6.505	BB	488549	4800852	49.90%	2.734%
5	6.846	6.787	6.917	BB	435294	4360003	45.32%	2.483%
6	7.490	7.440	7.589	BB	420728	4415651	45.89%	2.515%
7	8.684	8.624	8.759	BB	439553	4542556	47.21%	2.587%
8	8.801	8.764	8.904	BB	485618	4954080	51.49%	2.822%
9	9.102	9.037	9.200	BB	497911	5014893	52.12%	2.856%
10	9.895	9.830	9.995	BB	473219	4965996	51.61%	2.828%
11	10.298	10.242	10.379	BB	441126	4761990	49.49%	2.712%
12	11.309	11.237	11.355	BV	434052	4776359	49.64%	2.720%
13	11.385	11.355	11.470	VBA	407815	4715883	49.01%	2.686%
14	11.748	11.710	11.819	BB	417144	4826203	50.16%	2.749%
15	12.075	12.019	12.130	BB	505994	5367830	55.79%	3.057%
16	13.064	13.002	13.105	BV	429346	4954687	51.50%	2.822%
17	13.139	13.105	13.222	VB	423773	4747759	49.35%	2.704%
18	13.440	13.372	13.477	BV	427975	4802248	49.91%	2.735%
19	13.511	13.477	13.574	VB	359678	4176947	43.41%	2.379%
20	13.677	13.617	13.754	BB	388008	4729010	49.15%	2.693%
21	14.266	14.207	14.335	BB	391227	4668053	48.52%	2.659%
22	15.328	15.255	15.347	BV	352157	4605322	47.87%	2.623%
23	15.371	15.347	15.485	VB	765403	9621325	100.00%	5.480%
24	16.398	16.335	16.455	BB	359372	4603139	47.84%	2.622%
25	16.893	16.820	16.909	BV	359459	5113265	53.15%	2.912%
26	16.926	16.909	17.044	VB	434264	5351975	55.63%	3.048%
27	17.276	17.235	17.317	M	353512	4885856	50.78%	2.783%
28	17.348	17.320	17.454	M	329060	4672396	48.56%	2.661%
29	18.240	18.165	18.327	BB	332342	4614271	47.96%	2.628%
30	18.651	18.582	18.668	BV	221141	3089054	32.11%	1.759%
31	18.686	18.668	18.867	VV	239383	4330751	45.01%	2.467%
32	18.907	18.867	19.000	PBA	171940	2872045	29.85%	1.636%
33	19.073	19.012	19.179	BB	327836	4538872	47.18%	2.585%
34	19.858	19.800	19.964	BB	313901	4701899	48.87%	2.678%
35	20.600	20.550	20.670	BB	325941	4699949	48.85%	2.677%
36	21.378	21.330	21.470	BB	261252	4819249	50.09%	2.745%

rters
37 22.365 22.300 22.489 BB 187065 4562955 47.43% 2.599%
Sum of corrected areas: 175573599

Aliphatic EPH 082925.M Fri Sep 05 02:06:37 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	
Client Sample ID:	PB169545BSD	SDG No.:	Q3012
Lab Sample ID:	PB169545BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/04/25 09:05	09/04/25 14:28	PB169545

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	63.0		1	0.91	3.99	mg/kg	FE055662.D
Total EPH	Total EPH	63.0			0.91	3.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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:	Sciacca General Contractors, LLC	Date Collected:	
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	
Client Sample ID:	PB169545BSD	SDG No.:	Q3012
Lab Sample ID:	PB169545BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055662.D	1	09/04/25	09/04/25	PB169545

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	63.0		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.6		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.0		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.3		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169545BSD	Acq On:	04 Sep 2025 14:28
Client Sample ID:	PB169545BSD	Operator:	YP\AJ
Data file:	FE055662.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.946	22691816	176.722	300	ug/ml
Aliphatic C12-C16	6.947	10.398	29445300	217.96	200	ug/ml
Aliphatic C16-C21	10.399	13.777	34117006	236.567	300	ug/ml
Aliphatic C21-C28	13.778	17.448	45001233	314.176	400	ug/ml
Aliphatic C28-C40	17.449	22.463	42616233	309.442	600	ug/ml
Aliphatic EPH	3.312	22.463	173871588	1250		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	5474709	33.32		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	4252157	34.01		ug/ml
Aliphatic C9-C28	3.312	17.448	131255355	945.425	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055662.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 14:28
 Operator : YP\AJ
 Sample : PB169545BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB169545BSD

Integration File: autoint1.e
 Quant Time: Sep 05 01:25:22 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	5474709	33.325 ug/ml
Spiked Amount 50.000		Recovery =	66.65%
12) S 1-chlorooctadecane (S...	13.512	4252157	34.005 ug/ml
Spiked Amount 50.000		Recovery =	68.01%
Target Compounds			
1) T n-Nonane (C9)	3.420	4142183	32.641 ug/ml
2) T n-Decane (C10)	4.674	4350958	33.966 ug/ml
3) T A~Naphthalene (C11.7)	6.391	4950925	34.077 ug/ml
4) T n-Dodecane (C12)	6.847	4525783	34.757 ug/ml
5) T A~2-methylnaphthalene...	7.490	4548953	32.342 ug/ml
6) T n-Tetradecane (C14)	8.684	4683916	35.567 ug/ml
7) T n-Hexadecane (C16)	10.299	4912369	35.469 ug/ml
8) T n-Octadecane (C18)	11.748	4947215	33.917 ug/ml
10) T n-Eicosane (C20)	13.064	5060863	35.158 ug/ml
11) T n-Heneicosane (C21)	13.678	4814389	33.704 ug/ml
13) T n-Docosane (C22)	14.266	4740089	33.114 ug/ml
14) T n-Tetracosane (C24)	15.371	9790734	67.663 ug/ml
15) T n-Hexacosane (C26)	16.398	4613862	32.296 ug/ml
16) T n-Octacosane (C28)	17.349	4713216	33.136 ug/mlm
17) T n-Tricontane (C30)	18.240	4796794	32.450 ug/ml
18) T n-Dotriacontane (C32)	19.073	4851905	33.057 ug/ml
19) T n-Tetratriacontane (C34)	19.857	5022942	35.552 ug/mlm
20) T n-Hexatriacontane (C36)	20.600	5009614	37.964 ug/ml
21) T n-Octatriacontane (C38)	21.378	5126672	39.363 ug/ml
22) T n-Tetracontane (C40)	22.363	4843426	37.768 ug/ml

(f)=RT Delta > 1/2 Window

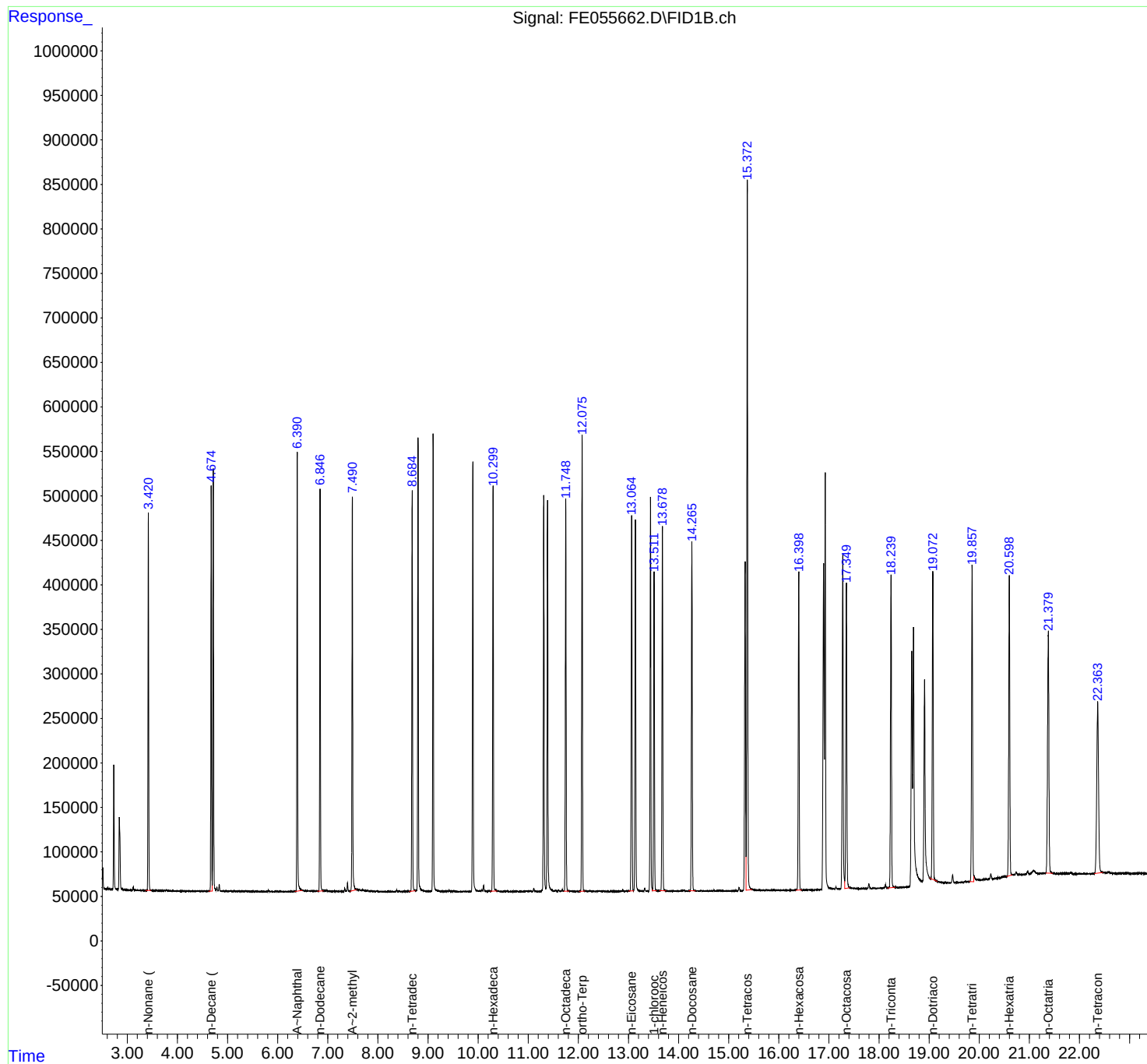
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
Data File : FE055662.D
Signal(s) : FID1B.ch
Acq On : 04 Sep 2025 14:28
Operator : YP\AJ
Sample : PB169545BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169545BSD

Integration File: autoint1.e
Quant Time: Sep 05 01:25:22 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\FE090425AL\
 Data File : FE055662.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 14:28
 Sample : PB169545BSD
 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	3.420	3.360	3.477	BB	424370	4142183	42.31%	2.256%
2	4.674	4.620	4.695	BV	455503	4350958	44.44%	2.370%
3	4.715	4.695	4.772	VV	474204	4721967	48.23%	2.572%
4	6.391	6.340	6.497	BB	493525	4950925	50.57%	2.697%
5	6.847	6.790	6.918	BB	451091	4525783	46.23%	2.465%
6	7.490	7.440	7.580	BB	442793	4548953	46.46%	2.478%
7	8.684	8.623	8.753	BB	452268	4683916	47.84%	2.551%
8	8.801	8.753	8.897	BB	508942	5076289	51.85%	2.765%
9	9.102	9.045	9.192	BB	514623	5137486	52.47%	2.798%
10	9.895	9.830	9.992	BB	483174	5086287	51.95%	2.770%
11	10.299	10.242	10.382	BB	452883	4912369	50.17%	2.676%
12	11.309	11.235	11.355	BV	443707	4858902	49.63%	2.646%
13	11.385	11.355	11.470	VBA	438501	4804253	49.07%	2.617%
14	11.748	11.705	11.815	BB	441149	4947215	50.53%	2.695%
15	12.075	12.015	12.133	BB	512929	5474709	55.92%	2.982%
16	13.064	13.003	13.105	BV	420301	5060863	51.69%	2.756%
17	13.139	13.105	13.220	VB	415625	4793321	48.96%	2.611%
18	13.440	13.372	13.478	BV	442688	4838063	49.41%	2.635%
19	13.512	13.478	13.567	VB	357165	4252157	43.43%	2.316%
20	13.678	13.617	13.748	BB	409943	4814389	49.17%	2.622%
21	14.266	14.203	14.337	BB	391696	4740089	48.41%	2.582%
22	15.327	15.258	15.347	BV	365258	4787028	48.89%	2.607%
23	15.371	15.347	15.470	VB	799313	9790734	100.00%	5.333%
24	16.398	16.335	16.458	BB	357954	4613862	47.12%	2.513%
25	16.894	16.820	16.910	BV	365749	5407184	55.23%	2.945%
26	16.927	16.910	17.020	VB	466684	5604211	57.24%	3.052%
27	17.278	17.235	17.317	M	375976	5335354	54.49%	2.906%
28	17.349	17.320	17.444	M	343850	4722771	48.24%	2.572%
29	18.240	18.165	18.327	BB	351905	4796794	48.99%	2.613%
30	18.652	18.580	18.668	BV	263413	3910244	39.94%	2.130%
31	18.687	18.668	18.865	VV	289296	5213597	53.25%	2.840%
32	18.908	18.865	19.000	PBA	224813	3792573	38.74%	2.066%
33	19.073	19.012	19.167	BB	345217	4851905	49.56%	2.643%
34	19.858	19.800	19.957	BB	353958	5071408	51.80%	2.762%
35	20.600	20.550	20.660	BB	332235	5009614	51.17%	2.729%
36	21.378	21.330	21.470	BB	268856	5126672	52.36%	2.792%

rters
37 22.363 22.300 22.470 BB 192535 4843426 49.47% 2.638%
Sum of corrected areas: 183598456

Aliphatic EPH 082925.M Fri Sep 05 02:07:38 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	
Client Sample ID:	3MS	SDG No.:	Q3012
Lab Sample ID:	Q3011-05MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.7
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/04/25 09:05	09/04/25 16:31	PB169545

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	93.3	E	1	0.98	4.31	mg/kg	FE055666.D
Total EPH	Total EPH	93.3			0.98	4.31	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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:	Sciacca General Contractors, LLC	Date Collected:	
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	
Client Sample ID:	3MS	SDG No.:	Q3012
Lab Sample ID:	Q3011-05MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.7
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055666.D	1	09/04/25	09/04/25	PB169545

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	93.3	E	0.98	4.31	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	32.8		1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.6		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.7		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3011-05MS	Acq On:	04 Sep 2025 16:31
Client Sample ID:	Q3011-05MS	Operator:	YP\AJ
Data file:	FE055666.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.946	31293681	243.713	300	ug/ml
Aliphatic C12-C16	6.947	10.398	42506792	314.643	200	ug/ml
Aliphatic C16-C21	10.399	13.777	46840001	324.788	300	ug/ml
Aliphatic C21-C28	13.778	17.448	59682329	416.672	400	ug/ml
Aliphatic C28-C40	17.449	22.463	62894526	456.685	600	ug/ml
Aliphatic EPH	3.312	22.463	243217329	1760		ug/ml
ortho-Terphenyl (SURR)	12.074	12.074	5372251	32.7		ug/ml
1-chlorooctadecane (SURR)	13.511	13.511	4201650	33.6		ug/ml
Aliphatic C9-C28	3.312	17.448	180322803	1300	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055666.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 16:31
 Operator : YP\AJ
 Sample : Q3011-05MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 3MS

Integration File: autoint1.e
 Quant Time: Sep 05 01:26:55 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	5372251	32.701 ug/ml
Spiked Amount 50.000		Recovery =	65.40%
12) S 1-chlorooctadecane (S...	13.511	4201650	33.601 ug/ml
Spiked Amount 50.000		Recovery =	67.20%
Target Compounds			
1) T n-Nonane (C9)	3.426	5434629	42.826 ug/ml
2) T n-Decane (C10)	4.678	5728439	44.719 ug/ml
3) T A~Naphthalene (C11.7)	6.392	6798353	46.792 ug/ml
4) T n-Dodecane (C12)	6.848	6065942	46.585 ug/ml
5) T A~2-methylnaphthalene...	7.492	6338076	45.063 ug/ml
6) T n-Tetradecane (C14)	8.685	6368028	48.355 ug/ml
7) T n-Hexadecane (C16)	10.299	6711475	48.459 ug/ml
8) T n-Octadecane (C18)	11.749	6759005	46.339 ug/ml
10) T n-Eicosane (C20)	13.064	6852538	47.605 ug/ml
11) T n-Heneicosane (C21)	13.678	6426370	44.989 ug/ml
13) T n-Docosane (C22)	14.266	6281024	43.879 ug/ml
14) T n-Tetracosane (C24)	15.373	12412798	85.784 ug/ml
15) T n-Hexacosane (C26)	16.398	5853455	40.973 ug/ml
16) T n-Octacosane (C28)	17.349	5914666	41.583 ug/mlm
17) T n-Tricontane (C30)	18.239	5997606	40.574 ug/ml
18) T n-Dotriacontane (C32)	19.073	5985983	40.783 ug/ml
19) T n-Tetratriacontane (C34)	19.858	6135297	43.425 ug/ml
20) T n-Hexatriacontane (C36)	20.600	6316481	47.868 ug/ml
21) T n-Octatriacontane (C38)	21.379	6535594	50.181 ug/ml
22) T n-Tetracontane (C40)	22.364	6249873	48.735 ug/ml

(f)=RT Delta > 1/2 Window

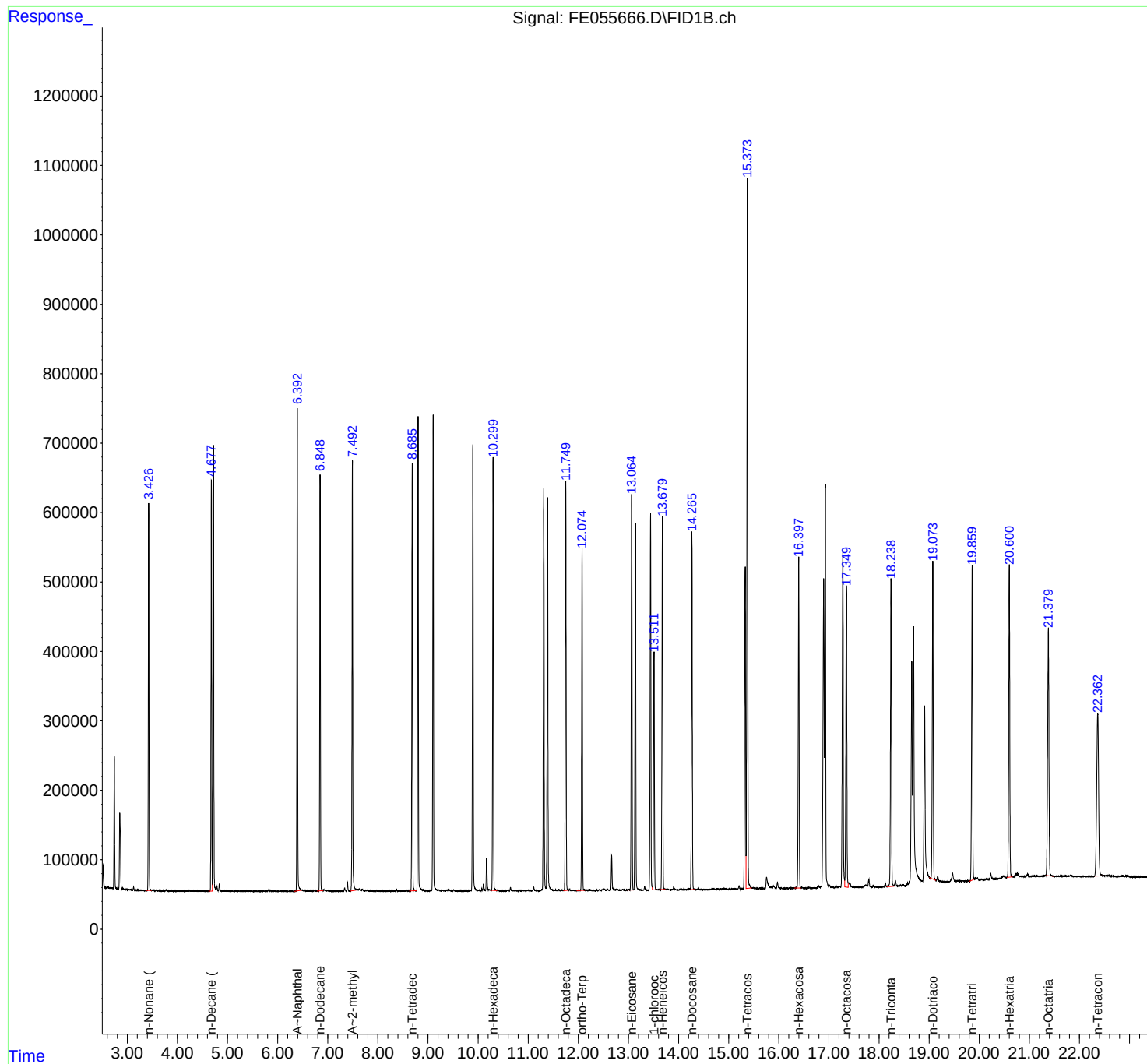
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
Data File : FE055666.D
Signal(s) : FID1B.ch
Acq On : 04 Sep 2025 16:31
Operator : YP\AJ
Sample : Q3011-05MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
3MS

Integration File: autoint1.e
Quant Time: Sep 05 01:26:55 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 : FE055666.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 16:31
 Sample : Q3011-05MS
 Misc :
 ALS Vial : 17 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	2.850	2.805	2.894	BV	106255	1561168	12.47%	0.613%
2	2.908	2.894	3.002	VV	1578	18395	0.15%	0.007%
3	3.011	3.002	3.055	PV	108	929	0.01%	0.000%
4	3.067	3.055	3.103	VV	219	2125	0.02%	0.001%
5	3.126	3.103	3.187	VV	4478	43001	0.34%	0.017%
6	3.204	3.187	3.271	PV	174	4506	0.04%	0.002%
7	3.298	3.271	3.366	PV	431	7550	0.06%	0.003%
8	3.376	3.366	3.390	VV	116	1264	0.01%	0.000%
9	3.427	3.390	3.525	PV	559111	5464721	43.65%	2.147%
10	3.534	3.525	3.556	VV	254	3814	0.03%	0.001%
11	3.572	3.556	3.589	VV	400	5240	0.04%	0.002%
12	3.597	3.589	3.621	VV	188	3066	0.02%	0.001%
13	3.639	3.621	3.653	VV	316	3447	0.03%	0.001%
14	3.668	3.653	3.689	VV	277	3939	0.03%	0.002%
15	3.711	3.689	3.726	PV	185	2168	0.02%	0.001%
16	3.780	3.726	3.955	VV	1551	38263	0.31%	0.015%
17	3.960	3.955	3.994	VV	141	1688	0.01%	0.001%
18	4.014	3.994	4.097	PV	445	6877	0.05%	0.003%
19	4.111	4.097	4.130	VV	131	1509	0.01%	0.001%
20	4.140	4.130	4.157	PV	131	856	0.01%	0.000%
21	4.166	4.157	4.180	VV	80	698	0.01%	0.000%
22	4.213	4.180	4.240	VV	1213	15081	0.12%	0.006%
23	4.255	4.240	4.309	VV	814	15892	0.13%	0.006%
24	4.326	4.309	4.368	VV	261	6891	0.06%	0.003%
25	4.375	4.368	4.383	VV	208	1580	0.01%	0.001%
26	4.404	4.383	4.441	VV	456	9326	0.07%	0.004%
27	4.450	4.441	4.468	VV	259	3652	0.03%	0.001%
28	4.477	4.468	4.514	VV	325	6916	0.06%	0.003%
29	4.521	4.514	4.561	VV	229	5284	0.04%	0.002%
30	4.572	4.561	4.598	VV	231	2843	0.02%	0.001%
31	4.606	4.598	4.610	VV	112	674	0.01%	0.000%
32	4.622	4.610	4.645	VV	171	2587	0.02%	0.001%
33	4.678	4.645	4.698	VV	591513	5732904	45.79%	2.253%
34	4.718	4.698	4.772	VV	643102	6312369	50.42%	2.480%
35	4.790	4.772	4.814	VV	6658	82442	0.66%	0.032%
36	4.837	4.814	4.891	VV	10617	127720	1.02%	0.050%

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37	4.910	4.891	4.943	VV	581	15447	0.12%	0.006%
38	4.961	4.943	4.974	VV	701	10354	0.08%	0.004%
39	4.987	4.974	5.030	VV	540	13824	0.11%	0.005%
40	5.046	5.030	5.088	VV	460	13321	0.11%	0.005%
41	5.092	5.088	5.115	VV	377	5307	0.04%	0.002%
42	5.129	5.115	5.149	VV	364	6180	0.05%	0.002%
43	5.157	5.149	5.165	VV	317	2850	0.02%	0.001%
44	5.187	5.165	5.298	VV	400	22031	0.18%	0.009%
45	5.332	5.298	5.368	VV	352	11152	0.09%	0.004%
46	5.380	5.368	5.425	VV	362	8957	0.07%	0.004%
47	5.429	5.425	5.455	VV	278	3448	0.03%	0.001%
48	5.466	5.455	5.515	VV	284	5707	0.05%	0.002%
49	5.528	5.515	5.575	VV	202	3317	0.03%	0.001%
50	5.621	5.575	5.648	PV	687	10149	0.08%	0.004%
51	5.661	5.648	5.679	VV	163	2752	0.02%	0.001%
52	5.693	5.679	5.706	VV	164	1844	0.01%	0.001%
53	5.718	5.706	5.749	VV	112	1654	0.01%	0.001%
54	5.760	5.749	5.781	VV	111	1475	0.01%	0.001%
55	5.813	5.781	5.834	VV	1708	17896	0.14%	0.007%
56	5.854	5.834	5.910	VV	1344	21789	0.17%	0.009%
57	5.929	5.910	5.988	VV	938	14357	0.11%	0.006%
58	6.001	5.988	6.040	VV	114	2254	0.02%	0.001%
59	6.056	6.040	6.092	VV	231	4032	0.03%	0.002%
60	6.105	6.092	6.115	VV	58	825	0.01%	0.000%
61	6.134	6.115	6.158	VV	299	3969	0.03%	0.002%
62	6.184	6.158	6.201	PV	320	4229	0.03%	0.002%
63	6.211	6.201	6.325	VV	208	9076	0.07%	0.004%
64	6.392	6.325	6.535	VV	694448	6921817	55.29%	2.720%
65	6.554	6.535	6.619	VV	1315	42525	0.34%	0.017%
66	6.635	6.619	6.665	VV	701	17788	0.14%	0.007%
67	6.688	6.665	6.768	VV	1173	40275	0.32%	0.016%
68	6.777	6.768	6.815	VV	490	10381	0.08%	0.004%
69	6.848	6.815	6.911	VV	599724	6118955	48.88%	2.404%
70	6.925	6.911	6.982	VV	2457	60033	0.48%	0.024%
71	7.000	6.982	7.114	VV	1145	39414	0.31%	0.015%
72	7.136	7.114	7.164	VV	321	7496	0.06%	0.003%
73	7.178	7.164	7.238	VV	284	7467	0.06%	0.003%
74	7.273	7.238	7.311	VV	325	7079	0.06%	0.003%
75	7.338	7.311	7.371	VV	4889	63487	0.51%	0.025%
76	7.395	7.371	7.451	VV	13307	145163	1.16%	0.057%
77	7.492	7.451	7.610	VV	615616	6452497	51.54%	2.536%
78	7.629	7.610	7.668	VV	3529	76054	0.61%	0.030%
79	7.689	7.668	7.705	VV	3109	48519	0.39%	0.019%
80	7.713	7.705	7.748	VV	1843	29518	0.24%	0.012%
81	7.765	7.748	7.780	VV	1434	19892	0.16%	0.008%
82	7.797	7.780	7.835	VV	2233	31540	0.25%	0.012%
83	7.857	7.835	7.877	VV	658	12549	0.10%	0.005%
84	7.889	7.877	7.911	VV	485	6030	0.05%	0.002%
85	7.977	7.911	7.999	VV	725	13014	0.10%	0.005%
86	8.025	7.999	8.046	VV	378	6314	0.05%	0.002%
87	8.059	8.046	8.069	VV	184	1533	0.01%	0.001%
88	8.089	8.069	8.116	VV	778	9163	0.07%	0.004%
89	8.131	8.116	8.158	PV	241	2892	0.02%	0.001%

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90	8.174	8.158	8.192	VV	134	2042	0.02%	0.001%
91	8.258	8.192	8.313	VV	1104	30250	0.24%	0.012%
92	8.322	8.313	8.345	VV	190	2587	0.02%	0.001%
93	8.374	8.345	8.397	VV	2312	24903	0.20%	0.010%
94	8.431	8.397	8.478	VV	1450	21507	0.17%	0.008%
95	8.501	8.478	8.523	VV	389	6268	0.05%	0.002%
96	8.588	8.523	8.627	VV	753	26071	0.21%	0.010%
97	8.685	8.627	8.767	VV	610908	6411826	51.22%	2.520%
98	8.802	8.767	8.905	VV	680580	7061759	56.41%	2.775%
99	8.912	8.905	9.014	VV	1731	44261	0.35%	0.017%
100	9.056	9.014	9.071	VV	716	18205	0.15%	0.007%
101	9.103	9.071	9.205	VV	699616	7115937	56.84%	2.796%
102	9.222	9.205	9.265	VV	1479	31627	0.25%	0.012%
103	9.298	9.265	9.355	VV	975	31304	0.25%	0.012%
104	9.378	9.355	9.392	VV	1368	20091	0.16%	0.008%
105	9.416	9.392	9.485	VV	2450	61692	0.49%	0.024%
106	9.513	9.485	9.605	VV	1909	41398	0.33%	0.016%
107	9.608	9.605	9.638	VV	273	3110	0.02%	0.001%
108	9.701	9.638	9.734	VV	332	12972	0.10%	0.005%
109	9.755	9.734	9.790	VV	392	8862	0.07%	0.003%
110	9.814	9.790	9.827	VV	420	5966	0.05%	0.002%
111	9.845	9.827	9.861	VV	768	11283	0.09%	0.004%
112	9.896	9.861	10.006	VV	640011	6973568	55.70%	2.740%
113	10.036	10.006	10.053	VV	939	23210	0.19%	0.009%
114	10.076	10.053	10.090	VV	2689	35462	0.28%	0.014%
115	10.109	10.090	10.145	VV	9796	125581	1.00%	0.049%
116	10.171	10.145	10.261	VV	47847	603241	4.82%	0.237%
117	10.299	10.261	10.385	VV	624875	6772188	54.09%	2.661%
118	10.401	10.385	10.436	VV	799	15664	0.13%	0.006%
119	10.461	10.436	10.541	VV	372	10003	0.08%	0.004%
120	10.586	10.541	10.605	VV	518	8922	0.07%	0.004%
121	10.647	10.605	10.675	VV	4694	58148	0.46%	0.023%
122	10.691	10.675	10.706	VV	512	7127	0.06%	0.003%
123	10.741	10.706	10.762	VV	601	13529	0.11%	0.005%
124	10.783	10.762	10.811	VV	359	6608	0.05%	0.003%
125	10.824	10.811	10.865	VV	420	6010	0.05%	0.002%
126	10.889	10.865	10.898	PV	296	3535	0.03%	0.001%
127	10.924	10.898	10.936	VV	440	7657	0.06%	0.003%
128	10.963	10.936	10.980	VV	853	15143	0.12%	0.006%
129	10.996	10.980	11.023	VV	1044	19716	0.16%	0.008%
130	11.040	11.023	11.059	VV	1087	15352	0.12%	0.006%
131	11.071	11.059	11.082	VV	483	4714	0.04%	0.002%
132	11.110	11.082	11.167	VV	5018	73517	0.59%	0.029%
133	11.180	11.167	11.220	VV	342	6330	0.05%	0.002%
134	11.310	11.220	11.354	VV	581585	6431178	51.37%	2.527%
135	11.386	11.354	11.530	VV	561860	6351511	50.73%	2.496%
136	11.549	11.530	11.581	VV	1673	25077	0.20%	0.010%
137	11.602	11.581	11.644	VV	2208	35054	0.28%	0.014%
138	11.678	11.644	11.699	VV	1394	21542	0.17%	0.008%
139	11.749	11.699	11.804	VV	583894	6787872	54.22%	2.667%
140	11.825	11.804	11.895	VV	1448	39344	0.31%	0.015%
141	11.909	11.895	11.928	VV	453	5976	0.05%	0.002%

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142	11.942	11.928	11.974	VV	522	7182	0.06%	0.003%
143	12.009	11.974	12.036	VV	1091	19115	0.15%	0.008%
144	12.074	12.036	12.133	VV	490993	5390408	43.06%	2.118%
145	12.148	12.133	12.188	VV	942	25223	0.20%	0.010%
146	12.233	12.188	12.250	VV	1278	31869	0.25%	0.013%
147	12.264	12.250	12.278	VV	726	9319	0.07%	0.004%
148	12.295	12.278	12.330	VV	945	14358	0.11%	0.006%
149	12.363	12.330	12.391	PV	1316	22289	0.18%	0.009%
150	12.413	12.391	12.433	VV	1255	21805	0.17%	0.009%
151	12.441	12.433	12.458	VV	684	8123	0.06%	0.003%
152	12.480	12.458	12.495	VV	1226	17230	0.14%	0.007%
153	12.515	12.495	12.558	VV	2780	51006	0.41%	0.020%
154	12.580	12.558	12.641	VV	1680	40729	0.33%	0.016%
155	12.666	12.641	12.741	VV	50225	618270	4.94%	0.243%
156	12.756	12.741	12.774	VV	1324	20665	0.17%	0.008%
157	12.785	12.774	12.832	VV	1042	24909	0.20%	0.010%
158	12.886	12.832	12.938	VV	1855	44090	0.35%	0.017%
159	12.968	12.938	12.981	VV	672	13841	0.11%	0.005%
160	13.003	12.981	13.027	VV	1193	24561	0.20%	0.010%
161	13.064	13.027	13.103	VV	570281	6871257	54.89%	2.700%
162	13.140	13.103	13.251	VV	528602	6177448	49.34%	2.427%
163	13.273	13.251	13.290	VV	633	10906	0.09%	0.004%
164	13.324	13.290	13.367	VV	5110	67991	0.54%	0.027%
165	13.384	13.367	13.398	VV	196	3013	0.02%	0.001%
166	13.442	13.398	13.476	VV	543476	6164989	49.24%	2.423%
167	13.511	13.476	13.568	VV	344121	4232309	33.81%	1.663%
168	13.583	13.568	13.596	VV	775	11630	0.09%	0.005%
169	13.619	13.596	13.640	VV	1048	20031	0.16%	0.008%
170	13.678	13.640	13.738	VV	532715	6483855	51.79%	2.548%
171	13.744	13.738	13.758	VV	1170	12224	0.10%	0.005%
172	13.771	13.758	13.838	VV	1138	32544	0.26%	0.013%
173	13.903	13.838	13.969	VV	4472	79777	0.64%	0.031%
174	13.978	13.969	13.995	VV	210	2470	0.02%	0.001%
175	14.027	13.995	14.041	VV	895	14522	0.12%	0.006%
176	14.054	14.041	14.078	VV	767	12582	0.10%	0.005%
177	14.106	14.078	14.160	VV	1220	27223	0.22%	0.011%
178	14.184	14.160	14.198	VV	821	12394	0.10%	0.005%
179	14.214	14.198	14.230	VV	1982	25718	0.21%	0.010%
180	14.266	14.230	14.337	VV	515652	6309129	50.40%	2.479%
181	14.357	14.337	14.371	VV	628	9512	0.08%	0.004%
182	14.396	14.371	14.428	VV	2869	37032	0.30%	0.015%
183	14.448	14.428	14.480	VV	936	14814	0.12%	0.006%
184	14.495	14.480	14.531	VV	345	7398	0.06%	0.003%
185	14.547	14.531	14.578	VV	285	4083	0.03%	0.002%
186	14.597	14.578	14.607	PV	122	1591	0.01%	0.001%
187	14.672	14.607	14.691	VV	1430	35882	0.29%	0.014%
188	14.701	14.691	14.744	VV	1589	28088	0.22%	0.011%
189	14.773	14.744	14.808	VV	1083	25573	0.20%	0.010%
190	14.829	14.808	14.851	VV	1946	28914	0.23%	0.011%
191	14.865	14.851	14.878	VV	884	11062	0.09%	0.004%
192	14.900	14.878	14.919	VV	1361	21908	0.17%	0.009%
193	14.936	14.919	14.990	VV	1047	27363	0.22%	0.011%
194	15.009	14.990	15.032	VV	642	10436	0.08%	0.004%

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195	15.070	15.032	15.097	VV	717	18273	0.15%	0.007%
196	15.122	15.097	15.165	VV	497	13057	0.10%	0.005%
197	15.207	15.165	15.259	VV	5249	82421	0.66%	0.032%
198	15.276	15.259	15.287	VV	571	7730	0.06%	0.003%
199	15.329	15.287	15.348	VV	456480	6096648	48.70%	2.396%
200	15.373	15.348	15.471	VV	1005862	12519205	100.00%	4.920%
201	15.489	15.471	15.548	VV	1905	66374	0.53%	0.026%
202	15.569	15.548	15.601	VV	1126	30821	0.25%	0.012%
203	15.630	15.601	15.649	VV	1058	25784	0.21%	0.010%
204	15.669	15.649	15.693	VV	982	21465	0.17%	0.008%
205	15.756	15.693	15.835	VV	16661	458214	3.66%	0.180%
206	15.847	15.835	15.868	VV	2261	37681	0.30%	0.015%
207	15.892	15.868	15.931	VV	4228	94133	0.75%	0.037%
208	15.973	15.931	16.028	VV	9537	178170	1.42%	0.070%
209	16.038	16.028	16.115	VV	822	27619	0.22%	0.011%
210	16.165	16.115	16.188	VV	763	24481	0.20%	0.010%
211	16.224	16.188	16.238	VV	665	16528	0.13%	0.006%
212	16.242	16.238	16.257	VV	573	5743	0.05%	0.002%
213	16.285	16.257	16.315	VV	870	24167	0.19%	0.009%
214	16.398	16.315	16.441	VV	474458	5909126	47.20%	2.322%
215	16.460	16.441	16.498	VV	1780	29787	0.24%	0.012%
216	16.517	16.498	16.545	VV	368	7718	0.06%	0.003%
217	16.604	16.545	16.657	VV	1208	24701	0.20%	0.010%
218	16.698	16.657	16.722	PV	649	12850	0.10%	0.005%
219	16.735	16.722	16.747	VV	357	4294	0.03%	0.002%
220	16.784	16.747	16.819	VV	2603	71195	0.57%	0.028%
221	16.896	16.819	16.911	VV	439202	6920047	55.28%	2.719%
222	16.929	16.911	16.997	VV	563711	7056373	56.36%	2.773%
223	17.014	16.997	17.115	VV	3301	109966	0.88%	0.043%
224	17.141	17.115	17.171	VV	3413	54331	0.43%	0.021%
225	17.213	17.171	17.235	VV	2460	50451	0.40%	0.020%
226	17.278	17.235	17.315	VV	486938	6739901	53.84%	2.649%
227	17.349	17.315	17.386	VV	430154	5951586	47.54%	2.339%
228	17.395	17.386	17.411	VV	7209	95355	0.76%	0.037%
229	17.424	17.411	17.538	VV	6907	148663	1.19%	0.058%
230	17.551	17.538	17.576	VV	562	11934	0.10%	0.005%
231	17.589	17.576	17.595	VV	561	5613	0.04%	0.002%
232	17.613	17.595	17.623	VV	607	9051	0.07%	0.004%
233	17.635	17.623	17.648	VV	632	8063	0.06%	0.003%
234	17.731	17.648	17.771	VV	3353	128055	1.02%	0.050%
235	17.797	17.771	17.848	VV	11585	186596	1.49%	0.073%
236	17.883	17.848	17.912	VV	2367	39709	0.32%	0.016%
237	17.935	17.912	17.962	VV	560	12378	0.10%	0.005%
238	17.973	17.962	17.995	VV	324	4878	0.04%	0.002%
239	18.024	17.995	18.057	VV	667	11016	0.09%	0.004%
240	18.082	18.057	18.097	PV	446	5859	0.05%	0.002%
241	18.127	18.097	18.157	VV	4916	69151	0.55%	0.027%
242	18.239	18.157	18.298	VV	440028	6024993	48.13%	2.368%
243	18.326	18.298	18.384	VV	8751	161276	1.29%	0.063%
244	18.433	18.384	18.457	VV	1281	40549	0.32%	0.016%
245	18.482	18.457	18.528	VV	2046	42333	0.34%	0.017%
246	18.575	18.528	18.584	PV	3753	56637	0.45%	0.022%

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247	18.653	18.584	18.669	VV	320615	4887409	39.04%	1.921%
248	18.688	18.669	18.871	VV	372031	6903624	55.14%	2.713%
249	18.910	18.871	19.031	VV	260415	4944701	39.50%	1.943%
250	19.073	19.031	19.138	VV	460395	6479888	51.76%	2.546%
251	19.171	19.138	19.214	VV	12751	342993	2.74%	0.135%
252	19.236	19.214	19.261	VV	4936	124974	1.00%	0.049%
253	19.274	19.261	19.304	VV	3626	87870	0.70%	0.035%
254	19.356	19.304	19.390	VV	3500	164326	1.31%	0.065%
255	19.468	19.390	19.538	VV	15462	553033	4.42%	0.217%
256	19.570	19.538	19.601	VV	4111	128743	1.03%	0.051%
257	19.621	19.601	19.645	VV	3728	83659	0.67%	0.033%
258	19.673	19.645	19.697	VV	3272	90885	0.73%	0.036%
259	19.719	19.697	19.741	VV	2946	69457	0.55%	0.027%
260	19.774	19.741	19.799	VV	3342	94261	0.75%	0.037%
261	19.858	19.799	19.912	VV	456631	6381991	50.98%	2.508%
262	19.929	19.912	19.946	VV	6499	119204	0.95%	0.047%
263	19.965	19.946	20.004	VV	6732	168995	1.35%	0.066%
264	20.044	20.004	20.068	VV	4506	144608	1.16%	0.057%
265	20.090	20.068	20.110	VV	3607	87427	0.70%	0.034%
266	20.142	20.110	20.180	VV	4482	160244	1.28%	0.063%
267	20.231	20.180	20.311	VV	11420	426793	3.41%	0.168%
268	20.332	20.311	20.361	VV	4248	119869	0.96%	0.047%
269	20.488	20.361	20.532	VV	6913	510862	4.08%	0.201%
270	20.600	20.532	20.667	VV	456064	6746906	53.89%	2.651%
271	20.738	20.667	20.752	VV	9083	348053	2.78%	0.137%
272	20.767	20.752	20.804	VV	9547	230548	1.84%	0.091%
273	20.842	20.804	20.908	VV	5693	340720	2.72%	0.134%
274	20.965	20.908	21.008	VV	8365	361379	2.89%	0.142%
275	21.018	21.008	21.065	VV	5134	171765	1.37%	0.067%
276	21.079	21.065	21.121	VV	4997	164662	1.32%	0.065%
277	21.150	21.121	21.191	VV	5090	197413	1.58%	0.078%
278	21.296	21.191	21.315	VV	4831	326142	2.61%	0.128%
279	21.379	21.315	21.521	VV	359781	7038660	56.22%	2.766%
280	21.539	21.521	21.558	VV	3082	65305	0.52%	0.026%
281	21.669	21.558	21.680	VV	2814	206732	1.65%	0.081%
282	21.707	21.680	21.741	VV	2901	101563	0.81%	0.040%
283	21.830	21.741	21.906	VV	3356	230972	1.84%	0.091%
284	21.917	21.906	21.938	VV	1479	27047	0.22%	0.011%
285	21.967	21.938	22.065	VV	1422	85586	0.68%	0.034%
286	22.085	22.065	22.142	VV	827	28493	0.23%	0.011%
287	22.151	22.142	22.167	VV	374	5062	0.04%	0.002%
288	22.228	22.167	22.258	VV	488	19492	0.16%	0.008%
289	22.261	22.258	22.283	VV	198	1212	0.01%	0.000%
290	22.364	22.283	22.510	PV	233523	6302907	50.35%	2.477%
291	22.533	22.510	22.543	VV	139	2219	0.02%	0.001%
Sum of corrected areas:					254479933			

Aliphatic EPH 082925.M Fri Sep 05 02:14:43 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	
Client Sample ID:	3MSD	SDG No.:	Q3012
Lab Sample ID:	Q3011-05MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/04/25 09:05	09/04/25 17:01	PB169545

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	97.6	E	1	0.98	4.32	mg/kg	FE055667.D
Total EPH	Total EPH	97.6			0.98	4.32	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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:	Sciacca General Contractors, LLC	Date Collected:	
Project:	29-35 Frelinghuysen Ave, Newark	Date Received:	
Client Sample ID:	3MSD	SDG No.:	Q3012
Lab Sample ID:	Q3011-05MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055667.D	1	09/04/25	09/04/25	PB169545

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	97.6	E	0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	34.6		1.27	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.3		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.2		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3011-05MSD	Acq On:	04 Sep 2025 17:01
Client Sample ID:	Q3011-05MSD	Operator:	YP\AJ
Data file:	FE055667.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.946	32268499	251.305	300	ug/ml
Aliphatic C12-C16	6.947	10.398	44131640	326.671	200	ug/ml
Aliphatic C16-C21	10.399	13.777	49245644	341.469	300	ug/ml
Aliphatic C21-C28	13.778	17.448	62775300	438.266	400	ug/ml
Aliphatic C28-C40	17.449	22.463	66398501	482.128	600	ug/ml
Aliphatic EPH	3.312	22.463	254819584	1840		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	5458401	33.23		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	4286336	34.28		ug/ml
Aliphatic C9-C28	3.312	17.448	188421083	1360	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
 Data File : FE055667.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 17:01
 Operator : YP\AJ
 Sample : Q3011-05MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 3MSD

Integration File: autoint1.e
 Quant Time: Sep 05 01:27:25 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	5458401	33.225 ug/ml
Spiked Amount 50.000		Recovery =	66.45%
12) S 1-chlorooctadecane (S...	13.512	4286336	34.278 ug/ml
Spiked Amount 50.000		Recovery =	68.56%
Target Compounds			
1) T n-Nonane (C9)	3.427	5737318	45.211 ug/ml
2) T n-Decane (C10)	4.678	6036831	47.127 ug/ml
3) T A~Naphthalene (C11.7)	6.392	7153342	49.235 ug/ml
4) T n-Dodecane (C12)	6.848	6373411	48.946 ug/ml
5) T A~2-methylnaphthalene...	7.492	6654074	47.309 ug/ml
6) T n-Tetradecane (C14)	8.685	6710822	50.958 ug/ml
7) T n-Hexadecane (C16)	10.300	7083963	51.149 ug/ml
8) T n-Octadecane (C18)	11.750	7130707	48.887 ug/ml
10) T n-Eicosane (C20)	13.065	7223282	50.180 ug/ml
11) T n-Heneicosane (C21)	13.679	6773074	47.416 ug/ml
13) T n-Docosane (C22)	14.267	6626400	46.292 ug/ml
14) T n-Tetracosane (C24)	15.374	13259696	91.637 ug/ml
15) T n-Hexacosane (C26)	16.399	6231227	43.617 ug/ml
16) T n-Octacosane (C28)	17.351	6253077	43.962 ug/mlm
17) T n-Tricontane (C30)	18.241	6404998	43.330 ug/ml
18) T n-Dotriacontane (C32)	19.074	6335875	43.167 ug/ml
19) T n-Tetratriacontane (C34)	19.859	6591289	46.652 ug/ml
20) T n-Hexatriacontane (C36)	20.600	6573182	49.813 ug/ml
21) T n-Octatriacontane (C38)	21.378	6762774	51.925 ug/ml
22) T n-Tetracontane (C40)	22.366	6536128	50.968 ug/ml

(f)=RT Delta > 1/2 Window

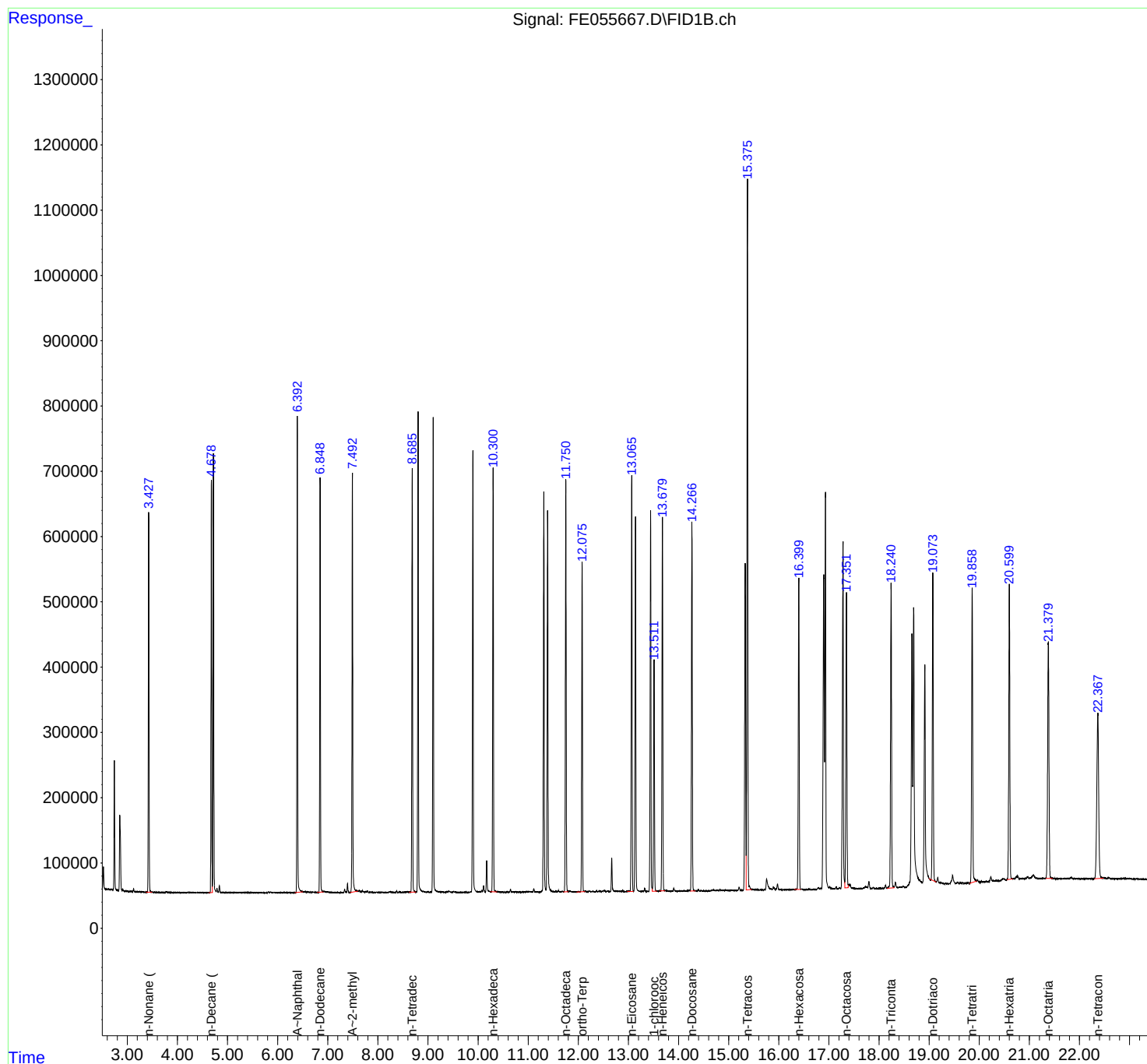
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090425AL\
Data File : FE055667.D
Signal(s) : FID1B.ch
Acq On : 04 Sep 2025 17:01
Operator : YP\AJ
Sample : Q3011-05MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
3MSD

Integration File: autoint1.e
Quant Time: Sep 05 01:27:25 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 : FE055667.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2025 17:01
 Sample : Q3011-05MSD
 Misc :
 ALS Vial : 18 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	2.851	2.805	2.896	BV	112592	1636046	12.24%	0.614%
2	2.910	2.896	3.057	VV	1439	3540	0.03%	0.001%
3	3.068	3.057	3.101	PV	203	1088	0.01%	0.000%
4	3.126	3.101	3.187	PV	4694	44169	0.33%	0.017%
5	3.209	3.187	3.280	PV	189	3292	0.02%	0.001%
6	3.299	3.280	3.387	PV	321	5010	0.04%	0.002%
7	3.427	3.387	3.555	PV	582147	5751856	43.03%	2.160%
8	3.578	3.555	3.622	VV	336	6339	0.05%	0.002%
9	3.641	3.622	3.659	VV	272	3912	0.03%	0.001%
10	3.716	3.696	3.731	PV	207	2166	0.02%	0.001%
11	4.014	3.978	4.061	PV	337	5309	0.04%	0.002%
12	4.071	4.061	4.083	VV	99	734	0.01%	0.000%
13	4.174	4.171	4.190	VV	106	751	0.01%	0.000%
14	4.370	4.361	4.381	VV	182	2094	0.02%	0.001%
15	4.446	4.438	4.465	VV	260	3335	0.02%	0.001%
16	4.499	4.481	4.501	M	-2855	0	0.00%	0.000%
17	4.575	4.560	4.603	VV	258	4788	0.04%	0.002%
18	4.619	4.603	4.638	VV	287	3952	0.03%	0.001%
19	4.678	4.638	4.698	VV	631961	6046991	45.24%	2.271%
20	4.718	4.698	4.772	VV	672151	6612610	49.47%	2.483%
21	4.905	4.892	4.941	VV	634	15764	0.12%	0.006%
22	4.960	4.941	4.975	VV	696	11032	0.08%	0.004%
23	4.989	4.975	5.031	VV	573	14615	0.11%	0.005%
24	5.141	5.130	5.153	VV	441	4476	0.03%	0.002%
25	5.229	5.218	5.241	VV	333	4185	0.03%	0.002%
26	5.579	5.571	5.591	VV	215	2211	0.02%	0.001%
27	5.654	5.646	5.731	VV	257	9439	0.07%	0.004%
28	6.112	6.098	6.118	VV	225	2399	0.02%	0.001%
29	6.184	6.158	6.202	VV	486	9128	0.07%	0.003%
30	6.281	6.271	6.315	VV	290	5755	0.04%	0.002%
31	6.327	6.315	6.338	VV	266	3430	0.03%	0.001%
32	6.392	6.338	6.537	VV	725008	7268781	54.38%	2.729%
33	6.640	6.635	6.662	VV	939	14358	0.11%	0.005%
34	6.773	6.765	6.807	VV	655	15442	0.12%	0.006%
35	6.848	6.807	6.911	VV	635236	6442647	48.20%	2.419%
36	6.998	6.988	7.055	VV	1321	35168	0.26%	0.013%

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37	7.056	7.055	7.099	VV	651	12275	0.09%	0.005%
38	7.179	7.162	7.211	VV	437	10194	0.08%	0.004%
39	7.217	7.211	7.233	VV	326	3686	0.03%	0.001%
40	7.274	7.233	7.301	VV	520	12489	0.09%	0.005%
41	7.492	7.446	7.611	VV	639017	6792934	50.82%	2.551%
42	7.689	7.669	7.705	VV	3212	49586	0.37%	0.019%
43	7.713	7.705	7.741	VV	2037	29278	0.22%	0.011%
44	7.765	7.741	7.780	VV	1691	25998	0.19%	0.010%
45	7.889	7.881	7.911	VV	585	7486	0.06%	0.003%
46	8.022	8.004	8.063	VV	464	10518	0.08%	0.004%
47	8.151	8.145	8.158	VV	226	1718	0.01%	0.001%
48	8.293	8.285	8.316	VV	421	6355	0.05%	0.002%
49	8.326	8.316	8.341	VV	366	4349	0.03%	0.002%
50	8.501	8.472	8.524	VV	556	11705	0.09%	0.004%
51	8.541	8.524	8.556	VV	552	8282	0.06%	0.003%
52	8.685	8.625	8.763	VV	648645	6763528	50.60%	2.540%
53	8.802	8.763	8.901	VV	734908	7427938	55.57%	2.789%
54	8.911	8.901	9.007	VV	1753	48123	0.36%	0.018%
55	9.053	9.007	9.071	VV	782	19645	0.15%	0.007%
56	9.103	9.071	9.206	VV	731568	7478447	55.95%	2.808%
57	9.222	9.206	9.263	VV	1446	29737	0.22%	0.011%
58	9.379	9.356	9.394	VV	1284	18181	0.14%	0.007%
59	9.513	9.487	9.541	VV	1846	26093	0.20%	0.010%
60	9.554	9.541	9.639	VV	353	9469	0.07%	0.004%
61	9.755	9.732	9.791	VV	277	5363	0.04%	0.002%
62	9.815	9.791	9.827	VV	348	4143	0.03%	0.002%
63	9.846	9.827	9.860	VV	744	10156	0.08%	0.004%
64	9.896	9.860	10.017	VV	685204	7337914	54.89%	2.755%
65	10.035	10.017	10.058	VV	918	19352	0.14%	0.007%
66	10.076	10.058	10.090	VV	2905	34271	0.26%	0.013%
67	10.110	10.090	10.148	VV	10178	130596	0.98%	0.049%
68	10.171	10.148	10.262	VV	48284	607302	4.54%	0.228%
69	10.300	10.262	10.380	VV	653853	7139361	53.41%	2.681%
70	10.399	10.380	10.446	VV	892	19877	0.15%	0.007%
71	10.458	10.446	10.551	VV	337	8403	0.06%	0.003%
72	10.586	10.551	10.616	PV	479	8319	0.06%	0.003%
73	10.687	10.675	10.710	VV	394	6383	0.05%	0.002%
74	10.823	10.806	10.870	VV	341	6399	0.05%	0.002%
75	10.913	10.870	10.933	VV	435	10281	0.08%	0.004%
76	10.998	10.981	11.019	VV	1211	17754	0.13%	0.007%
77	11.041	11.019	11.065	VV	1109	17954	0.13%	0.007%
78	11.070	11.065	11.088	VV	398	4589	0.03%	0.002%
79	11.111	11.088	11.166	VV	5312	73470	0.55%	0.028%
80	11.178	11.166	11.233	VV	360	5815	0.04%	0.002%
81	11.311	11.233	11.354	VV	611746	6793697	50.82%	2.551%
82	11.387	11.354	11.526	VV	591251	6716984	50.25%	2.522%
83	11.549	11.526	11.578	VV	1744	27134	0.20%	0.010%
84	11.602	11.578	11.653	VV	2270	40599	0.30%	0.015%
85	11.678	11.653	11.700	VV	1353	20690	0.15%	0.008%
86	11.750	11.700	11.808	VV	632525	7164073	53.59%	2.690%
87	11.825	11.808	11.893	VV	1559	39519	0.30%	0.015%
88	11.907	11.893	11.924	VV	376	5257	0.04%	0.002%
89	11.940	11.924	11.963	VV	523	7116	0.05%	0.003%

					rteres			
90	12.009	11.963	12.041	VV	1210	24712	0.18%	0.009%
91	12.075	12.041	12.135	VV	502663	5478535	40.98%	2.057%
92	12.148	12.135	12.190	VV	1100	26650	0.20%	0.010%
93	12.480	12.461	12.498	VV	1327	20703	0.15%	0.008%
94	12.516	12.498	12.565	VV	2715	53666	0.40%	0.020%
95	12.581	12.565	12.625	VV	1614	31534	0.24%	0.012%
96	12.666	12.625	12.740	VV	51858	624117	4.67%	0.234%
97	12.757	12.740	12.773	VV	1456	21890	0.16%	0.008%
98	12.786	12.773	12.840	VV	1156	29096	0.22%	0.011%
99	12.886	12.840	12.945	VV	1933	44909	0.34%	0.017%
100	12.962	12.945	12.980	VV	658	11907	0.09%	0.004%
101	13.004	12.980	13.031	VV	1243	26426	0.20%	0.010%
102	13.065	13.031	13.103	VV	628521	7237383	54.14%	2.718%
103	13.141	13.103	13.251	VV	574434	6562622	49.09%	2.464%
104	13.273	13.251	13.291	VV	590	9915	0.07%	0.004%
105	13.325	13.291	13.396	VV	5319	71419	0.53%	0.027%
106	13.443	13.396	13.476	VV	576499	6555036	49.04%	2.461%
107	13.512	13.476	13.569	VV	354344	4310019	32.24%	1.618%
108	13.585	13.569	13.596	VV	772	10555	0.08%	0.004%
109	13.621	13.596	13.641	VV	1031	19161	0.14%	0.007%
110	13.679	13.641	13.732	VV	574049	6823995	51.05%	2.562%
111	13.744	13.732	13.761	VV	1065	16589	0.12%	0.006%
112	13.774	13.761	13.845	VV	1154	29046	0.22%	0.011%
113	14.106	14.075	14.153	VV	1187	26231	0.20%	0.010%
114	14.186	14.153	14.195	VV	817	12839	0.10%	0.005%
115	14.215	14.195	14.231	VV	1938	26493	0.20%	0.010%
116	14.267	14.231	14.340	VV	564268	6653038	49.77%	2.498%
117	14.355	14.340	14.371	VV	619	9323	0.07%	0.004%
118	14.396	14.371	14.431	VV	2664	37803	0.28%	0.014%
119	14.449	14.431	14.477	VV	1041	15116	0.11%	0.006%
120	15.010	14.995	15.032	VV	714	11989	0.09%	0.005%
121	15.059	15.032	15.096	VV	803	21539	0.16%	0.008%
122	15.122	15.096	15.161	VV	613	15327	0.11%	0.006%
123	15.207	15.161	15.265	VV	5395	92059	0.69%	0.035%
124	15.330	15.265	15.349	VV	496671	6596679	49.35%	2.477%
125	15.374	15.349	15.474	VV	1085680	13367226	100.00%	5.019%
126	15.488	15.474	15.542	VV	1956	60602	0.45%	0.023%
127	15.563	15.542	15.601	VV	1142	34173	0.26%	0.013%
128	15.635	15.601	15.651	VV	924	24926	0.19%	0.009%
129	15.675	15.651	15.698	VV	894	22377	0.17%	0.008%
130	15.849	15.841	15.868	VV	2213	29825	0.22%	0.011%
131	15.893	15.868	15.932	VV	4134	95541	0.71%	0.036%
132	16.037	16.027	16.061	VV	931	15439	0.12%	0.006%
133	16.072	16.061	16.091	VV	584	9185	0.07%	0.003%
134	16.162	16.091	16.188	VV	798	33812	0.25%	0.013%
135	16.290	16.261	16.338	VV	967	34631	0.26%	0.013%
136	16.399	16.338	16.445	VV	474420	6279020	46.97%	2.358%
137	16.460	16.445	16.505	VV	1666	31205	0.23%	0.012%
138	16.522	16.505	16.563	VV	466	10100	0.08%	0.004%
139	16.606	16.563	16.661	VV	1287	23737	0.18%	0.009%
140	16.703	16.661	16.725	PV	724	14853	0.11%	0.006%
141	16.739	16.725	16.750	VV	348	4029	0.03%	0.002%

					rteres			
142	16.786	16.750	16.821	VV	2931	72853	0.55%	0.027%
143	16.897	16.821	16.913	VV	482612	7383567	55.24%	2.773%
144	16.931	16.913	16.998	VV	604534	7578450	56.69%	2.846%
145	17.015	16.998	17.114	VV	3695	120375	0.90%	0.045%
146	17.144	17.114	17.170	VV	3828	61989	0.46%	0.023%
147	17.214	17.170	17.238	VV	2536	57683	0.43%	0.022%
148	17.281	17.238	17.316	VV	529530	7237133	54.14%	2.718%
149	17.350	17.316	17.387	VV	455901	6362617	47.60%	2.389%
150	17.396	17.387	17.412	VV	7716	98000	0.73%	0.037%
151	17.426	17.412	17.580	VV	7449	193516	1.45%	0.073%
152	17.622	17.580	17.668	VV	846	37027	0.28%	0.014%
153	18.085	18.055	18.096	PV	429	6240	0.05%	0.002%
154	18.129	18.096	18.156	VV	5006	72193	0.54%	0.027%
155	18.241	18.156	18.300	VV	464558	6434908	48.14%	2.416%
156	18.327	18.300	18.386	VV	8614	154603	1.16%	0.058%
157	18.435	18.386	18.458	VV	1168	34485	0.26%	0.013%
158	18.482	18.458	18.534	VV	2144	43593	0.33%	0.016%
159	18.656	18.534	18.672	VV	387518	5980767	44.74%	2.246%
160	18.691	18.672	18.867	VV	427327	7799118	58.35%	2.929%
161	18.914	18.867	19.031	VV	341733	6119252	45.78%	2.298%
162	19.074	19.031	19.144	VV	475549	6916666	51.74%	2.597%
163	19.172	19.144	19.225	VV	13292	362623	2.71%	0.136%
164	19.237	19.225	19.275	VV	4911	129676	0.97%	0.049%
165	19.283	19.275	19.311	VV	3837	73562	0.55%	0.028%
166	19.354	19.311	19.391	VV	3383	150252	1.12%	0.056%
167	19.572	19.535	19.598	VV	4133	125738	0.94%	0.047%
168	19.622	19.598	19.642	VV	3596	80333	0.60%	0.030%
169	19.669	19.642	19.698	VV	3119	89902	0.67%	0.034%
170	19.718	19.698	19.745	VV	2721	66801	0.50%	0.025%
171	19.777	19.745	19.801	VV	3093	83989	0.63%	0.032%
172	19.859	19.801	19.921	VV	452546	6786381	50.77%	2.548%
173	19.930	19.921	19.949	VV	7014	105162	0.79%	0.039%
174	19.966	19.949	20.018	VV	6942	191319	1.43%	0.072%
175	20.045	20.018	20.071	VV	4273	113160	0.85%	0.042%
176	20.092	20.071	20.113	VV	3457	82193	0.61%	0.031%
177	20.144	20.113	20.182	VV	4003	144810	1.08%	0.054%
178	20.342	20.309	20.381	VV	4224	174536	1.31%	0.066%
179	20.491	20.381	20.537	VV	6656	477925	3.58%	0.179%
180	20.600	20.537	20.670	VV	455220	6996946	52.34%	2.627%
181	20.739	20.670	20.754	VV	9495	359499	2.69%	0.135%
182	20.768	20.754	20.810	VV	9400	236374	1.77%	0.089%
183	20.871	20.810	20.906	VV	5545	314894	2.36%	0.118%
184	20.966	20.906	20.995	VV	8159	328903	2.46%	0.124%
185	21.082	20.995	21.204	VV	9830	806778	6.04%	0.303%
186	21.231	21.204	21.241	VV	4509	96415	0.72%	0.036%
187	21.268	21.241	21.321	VV	4702	213777	1.60%	0.080%
188	21.378	21.321	21.518	VV	364850	7222884	54.03%	2.712%
189	21.532	21.518	21.564	VV	3194	82762	0.62%	0.031%
190	21.586	21.564	21.608	VV	2767	72491	0.54%	0.027%
191	21.880	21.873	21.961	VV	2058	90617	0.68%	0.034%
192	21.965	21.961	22.031	VV	1465	49674	0.37%	0.019%
193	22.054	22.031	22.067	VV	970	19799	0.15%	0.007%
194	22.097	22.067	22.118	VV	896	25932	0.19%	0.010%

					rteres				
195	22.222	22.118	22.285	VV	638	54178	0.41%	0.020%	
196	22.366	22.285	22.504	PV	253635	6589364	49.29%	2.474%	
197	22.513	22.504	22.547	VV	349	4820	0.04%	0.002%	
					Sum of corrected areas:	266306103			

Aliphatic EPH 082925.M Fri Sep 05 02:20:11 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

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	 	 	Peak Integrated by Software
PB169545BSD	FE055662.D	n-Tetratriacontane (C34)	yogesh	9/5/2025 7:32:32 AM	 	 	Peak Integrated by Software
Q3011-03	FE055663.D	1-chlorooctadecane (SURR)	yogesh	9/5/2025 7:32:34 AM	 	 	Peak Integrated by Software
Q3011-04	FE055664.D	1-chlorooctadecane (SURR)	yogesh	9/5/2025 7:32:35 AM	 	 	Peak Integrated by Software
Q3011-05MS	FE055666.D	n-Octacosane (C28)	yogesh	9/5/2025 7:32:37 AM	 	 	Peak Integrated by Software
Q3011-05MSD	FE055667.D	n-Octacosane (C28)	yogesh	9/5/2025 7:32:39 AM	 	 	Peak Integrated by Software
Q3011-06	FE055668.D	1-chlorooctadecane (SURR)	yogesh	9/5/2025 7:32:40 AM	 	 	Peak Integrated by Software
Q3011-07	FE055669.D	1-chlorooctadecane (SURR)	yogesh	9/5/2025 7:32:42 AM	 	 	Peak Integrated by Software
Q3011-08	FE055670.D	1-chlorooctadecane (SURR)	yogesh	9/5/2025 7:32:43 AM	 	 	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 # FE090425AL

Review By	yogesh	Review On	9/4/2025 10:40:11 AM
Supervise By		Supervise On	
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,NS
10	Q3011-03	FE055663.D	04 Sep 2025 14:59	YP\AJ	Ok,NS
11	Q3011-04	FE055664.D	04 Sep 2025 15:29	YP\AJ	Ok,NS
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,NS
14	Q3011-05MSD	FE055667.D	04 Sep 2025 17:01	YP\AJ	Ok,NS
15	Q3011-06	FE055668.D	04 Sep 2025 17:32	YP\AJ	Ok,NS
16	Q3011-07	FE055669.D	04 Sep 2025 18:03	YP\AJ	Ok,NS
17	Q3011-08	FE055670.D	04 Sep 2025 18:33	YP\AJ	Ok,NS
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		Supervise On	
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 Internal Standard/PEM	PP24771
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24769,PP24774

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE055543.D	28 Aug 2025 08:33		YPIAJ	Ok
2	I.BLK	I.BLK	FE055544.D	28 Aug 2025 09:03		YPIAJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FE055545.D	28 Aug 2025 09:34		YPIAJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE055546.D	28 Aug 2025 10:04		YPIAJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055547.D	28 Aug 2025 10:34		YPIAJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE055548.D	28 Aug 2025 11:04		YPIAJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE055549.D	28 Aug 2025 11:35		YPIAJ	Ok,M
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055550.D	28 Aug 2025 12:05		YPIAJ	Ok
9	I.BLK	I.BLK	FE055551.D	28 Aug 2025 12:35		YPIAJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055552.D	28 Aug 2025 13:06		YPIAJ	Ok
11	Q2969-01	TR-05-08272025	FE055553.D	28 Aug 2025 14:35		YPIAJ	Ok
12	Q2969-02	TR-05-08272025-E2	FE055554.D	28 Aug 2025 15:05		YPIAJ	Ok
13	Q2970-01	TP10	FE055555.D	28 Aug 2025 15:36		YPIAJ	Ok
14	Q2970-07	TP11	FE055556.D	28 Aug 2025 16:06		YPIAJ	Ok
15	Q2970-13	TP12	FE055557.D	28 Aug 2025 16:36		YPIAJ	Ok
16	Q2970-19	TP9	FE055558.D	28 Aug 2025 17:07		YPIAJ	Ok,M
17	Q2970-25	TP6	FE055559.D	28 Aug 2025 17:37		YPIAJ	Ok
18	Q2970-31	TP3	FE055560.D	28 Aug 2025 18:08		YPIAJ	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 # FE090425AL

Review By	yogesh	Review On	9/4/2025 10:40:11 AM
Supervise By		Supervise On	
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,NS
10	Q3011-03	1	FE055663.D	04 Sep 2025 14:59		YP\AJ	Ok,NS
11	Q3011-04	2	FE055664.D	04 Sep 2025 15:29		YP\AJ	Ok,NS
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,NS
14	Q3011-05MSD	3MSD	FE055667.D	04 Sep 2025 17:01	FE055665.D!FE055666.D	YP\AJ	Ok,NS
15	Q3011-06	4	FE055668.D	04 Sep 2025 17:32		YP\AJ	Ok,NS
16	Q3011-07	5	FE055669.D	04 Sep 2025 18:03		YP\AJ	Ok,NS
17	Q3011-08	6	FE055670.D	04 Sep 2025 18:33		YP\AJ	Ok,NS
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		Supervise On	
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			

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: 9/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 09/04/2025
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: 09/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137064

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
Q3011-01	WASTE	1	1.15	10.35	11.5	10.87	93.9	
Q3011-02	VOC	2	1.16	10.41	11.57	10.9	93.6	
Q3011-03	1	3	1.16	10.43	11.59	10.77	92.1	
Q3011-04	2	4	1.17	10.79	11.96	10.8	89.2	
Q3011-05	3	5	1.15	10.33	11.48	10.73	92.7	
Q3011-06	4	6	1.13	10.33	11.46	10.79	93.5	
Q3011-07	5	7	1.19	10.43	11.62	11.22	96.2	
Q3011-08	6	8	1.19	10.40	11.59	10.81	92.5	
Q3012-01	WASTE	9	1.16	10.78	11.94	11.34	94.4	
Q3012-02	VOC	10	1.14	10.82	11.96	11.48	95.6	
Q3012-03	1	11	1.15	10.30	11.45	10.86	94.3	
Q3012-04	2	12	1.17	10.77	11.94	11.22	93.3	
Q3012-05	3	13	1.15	10.81	11.96	11.31	94.0	
Q3012-06	4	14	1.16	10.39	11.55	11.00	94.7	
Q3012-07	5	15	1.12	10.19	11.31	10.5	92.1	
Q3012-07D	5DUP	16	1.17	10.17	11.34	10.53	92.0	
Q3014-01	Red Firestop Sealant	17	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q3014-02	Sidewalk Joint Caulk	18	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q3014-03	Ext Metal Wall panel Caulk	19	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q3021-02	821-ABC	20	1.00	1.00	2.00	2.00	100.0	oil sample
Q3021-04	821-DEF	21	1.00	1.00	2.00	2.00	100.0	oil sample
Q3021-06	821-GHI	22	1.00	1.00	2.00	2.00	100.0	oil sample
Q3023-01	TP-1	23	1.14	10.62	11.76	10.5	88.1	
Q3023-04	TP-2	24	1.19	10.51	11.7	10.9	92.4	
Q3026-01	EO-02-09042025	25	1.14	10.85	11.99	11.08	91.6	
Q3026-02	EO-02-09042025-E2	26	1.18	10.36	11.54	10.56	90.5	
Q3027-01	HD-01-09042025	27	1.11	10.55	11.66	11.06	94.3	
Q3027-02	HD-01-09042025-E2	28	1.19	10.30	11.49	11.05	95.7	

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

WORKLIST(Hardcopy Internal Chain)

1370625

WorkList Name : %1-090425 WorkList ID : 191662 Department : Wet-Chemistry Date : 09-04-2025 09:55:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3011-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3011-08	6	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3012-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	J33	09/03/2025	Chemtech -SO
Q3012-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3012-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3012-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3012-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3012-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3012-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	J42	09/03/2025	Chemtech -SO
Q3014-01	Red Firestop Sealant	Solid	Percent Solids	Cool 4 deg C	ATCE02	J11	09/03/2025	Chemtech -SO
Q3014-02	Sidewalk Joint Caulk	Solid	Percent Solids	Cool 4 deg C	ATCE02	J11	09/03/2025	Chemtech -SO
Q3014-03	Ext Metal Wall panel Caulk	Solid	Percent Solids	Cool 4 deg C	ATCE02	J11	09/03/2025	Chemtech -SO
Q3021-02	821-ABC	Solid	Percent Solids	Cool 4 deg C	PSEG03	F31	09/04/2025	Chemtech -SO
Q3021-04	821-DEF	Solid	Percent Solids	Cool 4 deg C	PSEG03	F31	09/04/2025	Chemtech -SO
Q3021-06	821-GHI	Solid	Percent Solids	Cool 4 deg C	PSEG03	F31	09/04/2025	Chemtech -SO

Date/Time 09/04/25 16:50
 Raw Sample Received by: Ed Cady
 Raw Sample Relinquished by: Ed Cady
 Date/Time 09/04/25 18:00
 Raw Sample Received by: Ed Cady
 Raw Sample Relinquished by: Ed Cady

WORKLIST(Hardcopy Internal Chain)

12/25/2024

WorkList Name : %1-090425 WorkList ID : 191662 Department : Wet-Chemistry Date : 09-04-2025 09:55:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3023-01	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	09/04/2025	Chemtech -SO
Q3023-04	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	09/04/2025	Chemtech -SO
Q3026-01	EO-02-09042025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	09/04/2025	Chemtech -SO
Q3026-02	EO-02-09042025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	09/04/2025	Chemtech -SO
Q3027-01	HD-01-09042025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	09/04/2025	Chemtech -SO
Q3027-02	HD-01-09042025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	09/04/2025	Chemtech -SO

Date/Time 09/04/25 16:50
 Raw Sample Received by: SP WOC
 Raw Sample Relinquished by: CP SM

Date/Time 09/04/25 18:00
 Raw Sample Received by: CP SM
 Raw Sample Relinquished by: SP WOC

SOP ID: MNJDEP-EPH-8

Clean Up SOP #: N/A

Matrix: Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 09/04/2025

Extraction Start Time: 09:05

Extraction End Date: 09/04/2025

Extraction End Time: 12:25

Concentration By: EH

Supervisor By: RUPESH

Extraction Method: ☐ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standardized Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24918
Surrogate	1.0ML	100 PPM	PP24866
N/A	N/A	N/A	N/A
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
Methylene Chloride	N/A	E3964
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

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
9/4/25	RS (64, 66)	Y.P. PestHPB.
12:30	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-8

Concentration Date: 09/04/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169545BL	PB169545BL	EPH_F2	30.02	N/A	ritesh	Evelyn	2			U1-1
PB169545BS	PB169545BS	EPH_F2	30.01	N/A	ritesh	Evelyn	2			2
PB169545BSD	PB169545BSD	EPH_F2	30.03	N/A	ritesh	Evelyn	2			3
Q3011-03	1	EPH_F2	30.05	N/A	ritesh	Evelyn	2			4
Q3011-04	2	EPH_F2	30.09	N/A	ritesh	Evelyn	2			5
Q3011-05	3	EPH_F2	30.06	N/A	ritesh	Evelyn	2			6
Q3011-05MS	3MS	EPH_F2	30.07	N/A	ritesh	Evelyn	2			U2-1
Q3011-05MS D	3MSD	EPH_F2	30.02	N/A	ritesh	Evelyn	2			2
Q3011-06	4	EPH_F2	30.04	N/A	ritesh	Evelyn	2			3
Q3011-07	5	EPH_F2	30.08	N/A	ritesh	Evelyn	2			4
Q3011-08	6	EPH_F2	30.01	N/A	ritesh	Evelyn	2			5
Q3012-03	1	EPH_F2	30.03	N/A	ritesh	Evelyn	2			6
Q3012-04	2	EPH_F2	30.07	N/A	ritesh	Evelyn	2			U3-1
Q3012-05	3	EPH_F2	30.04	N/A	ritesh	Evelyn	2			2
Q3012-06	4	EPH_F2	30.06	N/A	ritesh	Evelyn	2			3
Q3012-07	5	EPH_F2	30.02	N/A	ritesh	Evelyn	2			4

[Handwritten signature]

RS
9/4

* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3012

WorkList ID : 191656

Department : Extraction

Date : 09-04-2025 08:59:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3011-03	1	Solid	EPH_F2	Cool 4 deg C	SCIA01	J33	09/03/2025	NJEPH
Q3011-04	2	Solid	EPH_F2	Cool 4 deg C	SCIA01	J33	09/03/2025	NJEPH
Q3011-05	3	Solid	EPH_F2	Cool 4 deg C	SCIA01	J33	09/03/2025	NJEPH
Q3011-06	4	Solid	EPH_F2	Cool 4 deg C	SCIA01	J33	09/03/2025	NJEPH
Q3011-07	5	Solid	EPH_F2	Cool 4 deg C	SCIA01	J33	09/03/2025	NJEPH
Q3011-08	6	Solid	EPH_F2	Cool 4 deg C	SCIA01	J33	09/03/2025	NJEPH
Q3012-03	1	Solid	EPH_F2	Cool 4 deg C	SCIA01	J33	09/03/2025	NJEPH
Q3012-04	2	Solid	EPH_F2	Cool 4 deg C	SCIA01	J42	09/03/2025	NJEPH
Q3012-05	3	Solid	EPH_F2	Cool 4 deg C	SCIA01	J42	09/03/2025	NJEPH
Q3012-06	4	Solid	EPH_F2	Cool 4 deg C	SCIA01	J42	09/03/2025	NJEPH
Q3012-07	5	Solid	EPH_F2	Cool 4 deg C	SCIA01	J42	09/03/2025	NJEPH

Date/Time 09/04/25 9:00
 Raw Sample Received by: R.S. C. (7-1-2025)
 Raw Sample Relinquished by: CP8

Date/Time 09/04/25 9:15
 Raw Sample Received by: CP8
 Raw Sample Relinquished by: R.S. C. (7-1-2025)



SHIPPING DOCUMENTS

Q 3012

29-35 Frelinghuysen Ave

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Chemtech Project Number Newark
COC Number

CLIENT INFORMATION			PROJECT INFORMATION				BILLING INFORMATION													
Report to be sent to:			PROJECT NAME:		LOCATION:		BILL TO:		PO#											
COMPANY:			PROJECT #:		PROJECT MANAGER:		ADDRESS:		CITY:											
ADDRESS:			E-MAIL:		PHONE:		ATTENTION:		STATE:											
CITY:			FAX:		PHONE:		ZIP:													
STATE:																				
ATTENTION:																				
PHONE:																				
FAX:																				
DATA TURNAROUND INFORMATION			DATA DELIVERABLE INFORMATION				ANALYSIS													
FAX (RUSH) _____ DAYS*			☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data) ☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP ☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ EDD: _____ DAYS* ☐ Other _____ ☐ EDD FORMAT _____																	
HARDCOPY (DATA PACKAGE): _____ DAYS*																				
EDD: _____ DAYS*																				
*TO BE APPROVED BY CHEMTECH																				
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS																				
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER			
			COMP	ORG	DATE	TIME		1	2	3	4	5	6	7	8	9				
1.	WASTE				9/3	7:30	1		X											
2.	VOC					7:45	1			X										
3.	1					10:15	1				X									
4.	2					9:15	1				X									
5.	3					10:30	1				X									
6.	4					8:45	1				X									
7.	5					8:15	1				X									
8.																				
9.																				
10.																				
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY																				
RELINQUISHED BY SAMPLER		DATE/TIME 9-3-25		RECEIVED BY 1543		1. 9-3-25		Conditions of bottles or colors at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 61.6												
RELINQUISHED BY		DATE/TIME		RECEIVED BY		2.		Comments:												
RELINQUISHED BY		DATE/TIME 9-3-25		RECEIVED FOR LAB BY		3.		CLIENT: ☐ Hand Delivered ☐ Other: _____												
								CHEMTECH: ☐ Picked Up												
								Shipment Complete ☐ YES ☐ NO												

10/2018

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3012	SCIA01	Order Date : 9/3/2025 3:58:00 PM	Project Mgr :
Client Name : Sciacca General Contractor:		Project Name : 29-35 Frelinghuysen Ave, N	Report Type : Results Only
Client Contact : Rosanne Scirica		Receive DateTime : 9/3/2025 4:00:00 PM <i>4:25</i>	EDD Type : EXCEL NJCLEANUP
Invoice Name : Sciacca General Contractor:		Purchase Order :	Hard Copy Date :
Invoice Contact : Rosanne Scirica			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3012-02	VOC	Solid	09/03/2025	07:45	VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By : *[Signature]*

Date / Time :

*9-3-25 1630*Received By : *[Signature]*

Date / Time :

09/04/25

Storage Area : VOA Refridgerator Room

12:60