

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

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

LAB CHRONICLE

OrderID:	Q2480	OrderDate:	7/1/2025 3:54:51 PM
Client:	G Environmental	Project:	Lexington
Contact:	Gary Landis	Location:	A43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2480-01	GPX1	Solid	EPH_NF	NJEPH	06/30/25	07/02/25	07/02/25	07/01/25
Q2480-02	GPX2	Solid	EPH_NF	NJEPH	06/30/25	07/02/25	07/02/25	07/01/25
Q2480-03	GPX3	Solid	EPH_NF	NJEPH	07/01/25	07/02/25	07/02/25	07/01/25
Q2480-04	GPX4	Solid	EPH_NF	NJEPH	07/01/25	07/02/25	07/02/25	07/01/25
Q2480-05	GPX5	Solid	EPH_NF	NJEPH	07/01/25	07/02/25	07/02/25	07/01/25
Q2480-05DL	GPX5DL	Solid	EPH_NF	NJEPH	07/01/25	07/02/25	07/07/25	07/01/25
Q2480-06	GPX6	Solid	EPH_NF	NJEPH	07/01/25	07/02/25	07/02/25	07/01/25
Q2480-07	GPX7	Solid	EPH_NF	NJEPH	07/01/25	07/02/25	07/02/25	07/01/25
Q2480-08	GPX8	Solid	EPH_NF	NJEPH	07/01/25	07/02/25	07/02/25	07/01/25



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM CASE No.: Q2480 SAS No.: Q2480 SDG No.: Q2480
Run Number: FC070225AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB168702BL	71	69		0
PB168702BS	76	73		0
PB168702BSD	74	71		0
WC-1MS	49	47		0
WC-1MSD	50	48		0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM CASE No.: Q2480 SAS No.: Q2480 SDG No.: Q2480
Run Number: FE070225AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
GPX1	60	57		0
GPX2	64	59		0
GPX3	76	75		0
GPX4	61	60		0
GPX5	56	55		0
GPX6	64	64		0
GPX7	63	58		0
GPX8	63	59		0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM CASE No.: Q2480 SAS No.: Q2480 SDG No.: Q2480
Run Number: FE070725AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)	TOT OUT
GPX5DL	54	54	0

QC LIMITS

1-chlorooctadecane (SURR) (40-140)
ortho-Terphenyl (SURR) (40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

SOIL EPH SURROGATE RECOVERY

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

D Surrogate diluted out

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>G Environmental</u>	
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2480</u>	SAS No : <u>Q2480</u> SDG No: <u>Q2480</u>
Sample No :	<u>Q2478-01MS</u>	Datafile:	<u>FC069361.D</u>	Client ID : <u>WC-1MS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	32.3	25.4	67.2	129		(40-140)
Aliphatic C9-C28	107.7	3.74	67.8	60		(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	0.0000	1.8579	52		(40-140)
n-Decane (C10)	3.6	0.0000	4.2542	118		(40-140)
Naphthalene (C11.7)	3.6	0.0000	2.3322	65		(40-140)
n-Dodecane (C12)	3.6	0.0000	2.1284	59		(40-140)
2-methylnaphthalene (C12.89)	3.6	0.0000	2.3160	64		(40-140)
n-Tetradecane (C14)	3.6	0.0000	2.2562	63		(40-140)
n-Hexadecane (C16)	3.6	0.0000	2.3110	64		(40-140)
n-Octadecane (C18)	3.6	0.0000	2.3167	64		(40-140)
n-Eicosane (C20)	3.6	0.0000	2.4955	69		(40-140)
n-Heneicosane (C21)	3.6	0.0000	2.4275	67		(40-140)
n-Docosane (C22)	3.6	0.0000	2.4367	68		(40-140)
n-Tetracosane (C24)	7.2	0.0000	7.3801	103		(40-140)
n-Hexacosane (C26)	3.6	0.0000	2.4404	68		(40-140)
n-Octacosane (C28)	3.6	0.0000	2.6435	73		(40-140)
n-Tricontane (C30)	3.6	0.0000	2.7421	76		(40-140)
n-Dotriacontane (C32)	3.6	0.0000	3.1705	88		(40-140)
n-Tetratriacontane (C34)	3.6	0.0000	4.2340	118		(40-140)
n-Hexatriacontane (C36)	3.6	0.0000	5.1145	142	*	(40-140)
n-Octatriacontane (C38)	3.6	0.0000	7.0161	195	*	(40-140)
n-Tetracontane (C40)	3.6	0.0000	5.0876	141	*	(40-140)

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>G Environmental</u>
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2480</u>
Sample No :	<u>Q2478-01MSD</u>	SAS No :	<u>Q2480</u>
		SDG No:	<u>Q2480</u>
	Datafile:	Client ID :	<u>WC-1MSD</u>
	<u>FC069362.D</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	25.4	67.3	129		0	(40-140)	50
Aliphatic C9-C28	107.6	3.74	69.5	61		2.7	(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	0.0000	1.9164	53		1.9	(40-140)	50
n-Decane (C10)	3.6	0.0000	4.3837	122		3.33	(40-140)	50
Naphthalene (C11.7)	3.6	0.0000	2.3979	67		3.03	(40-140)	50
n-Dodecane (C12)	3.6	0.0000	2.1905	61		3.33	(40-140)	50
2-methylnaphthalene (C12.89)	3.6	0.0000	2.3774	66		3.08	(40-140)	50
n-Tetradecane (C14)	3.6	0.0000	2.3173	64		1.57	(40-140)	50
n-Hexadecane (C16)	3.6	0.0000	2.3721	66		3.08	(40-140)	50
n-Octadecane (C18)	3.6	0.0000	2.3828	66		3.08	(40-140)	50
n-Eicosane (C20)	3.6	0.0000	2.5602	71		2.86	(40-140)	50
n-Heneicosane (C21)	3.6	0.0000	2.4979	69		2.94	(40-140)	50
n-Docosane (C22)	3.6	0.0000	2.5002	69		1.46	(40-140)	50
n-Tetracosane (C24)	7.2	0.0000	7.5351	105		1.92	(40-140)	50
n-Hexacosane (C26)	3.6	0.0000	2.4968	69		1.46	(40-140)	50
n-Octacosane (C28)	3.6	0.0000	2.6552	74		1.36	(40-140)	50
n-Tricontane (C30)	3.6	0.0000	2.7555	77		1.31	(40-140)	50
n-Dotriacontane (C32)	3.6	0.0000	3.1545	88		0	(40-140)	50
n-Tetratriacontane (C34)	3.6	0.0000	4.1790	116		1.71	(40-140)	50
n-Hexatriacontane (C36)	3.6	0.0000	6.7837	188	*	27.88	(40-140)	50
n-Octatriacontane (C38)	3.6	0.0000	6.0645	168	*	14.88	(40-140)	50
n-Tetracontane (C40)	3.6	0.0000	5.2425	146	*	3.48	(40-140)	50

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>G Environmental</u>	
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2480</u>	SAS No : <u>Q2480</u> SDG No: <u>Q2480</u>
Sample No :	<u>PB168702BS</u>	Datafile:	<u>FC069357.D</u>	Client ID : <u>PB168702BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	30.0	31.7	105		(40-140)
Aliphatic C9-C28	99.9	74.6	75		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
n-Nonane (C9)	3.3	2.40142	73		(40-140)
n-Decane (C10)	3.3	2.47050	75		(40-140)
Naphthalene (C11.7)	3.3	2.81207	85		(40-140)
n-Dodecane (C12)	3.3	2.54893	77		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.76057	84		(40-140)
n-Tetradecane (C14)	3.3	2.66577	81		(40-140)
n-Hexadecane (C16)	3.3	2.61938	79		(40-140)
n-Octadecane (C18)	3.3	2.58506	78		(40-140)
n-Eicosane (C20)	3.3	2.76151	84		(40-140)
n-Heneicosane (C21)	3.3	2.70040	82		(40-140)
n-Docosane (C22)	3.3	2.69497	82		(40-140)
n-Tetracosane (C24)	6.7	5.48546	82		(40-140)
n-Hexacosane (C26)	3.3	2.68623	81		(40-140)
n-Octacosane (C28)	3.3	2.71170	82		(40-140)
n-Tricontane (C30)	3.3	2.72644	83		(40-140)
n-Dotriacontane (C32)	3.3	2.86506	87		(40-140)
n-Tetratriacontane (C34)	3.3	3.32720	101		(40-140)
n-Hexatriacontane (C36)	3.3	3.69042	112		(40-140)
n-Octatriacontane (C38)	3.3	4.06536	123		(40-140)
n-Tetracontane (C40)	3.3	4.13529	125		(40-140)

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>G Environmental</u>	
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2480</u>	SAS No : <u>Q2480</u> SDG No: <u>Q2480</u>
Sample No :	<u>PB168702BSD</u>	Datafile:	<u>FC069358.D</u>	Client ID : <u>PB168702BSD</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	31.4	104		0.251 (40-140)	25
Aliphatic C9-C28	99.9	73.1	73		2.2 (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	2.34768	71		2.78 (40-140)	25
n-Decane (C10)	3.3	2.41356	73		2.7 (40-140)	25
Naphthalene (C11.7)	3.3	2.73125	83		2.38 (40-140)	25
n-Dodecane (C12)	3.3	2.47919	75		2.63 (40-140)	25
2-methylnaphthalene (C12.89)	3.3	2.67481	81		3.64 (40-140)	25
n-Tetradecane (C14)	3.3	2.58076	78		3.77 (40-140)	25
n-Hexadecane (C16)	3.3	2.53320	77		2.56 (40-140)	25
n-Octadecane (C18)	3.3	2.49933	76		2.6 (40-140)	25
n-Eicosane (C20)	3.3	2.68854	81		3.64 (40-140)	25
n-Heneicosane (C21)	3.3	2.63654	80		2.47 (40-140)	25
n-Docosane (C22)	3.3	2.64236	80		2.47 (40-140)	25
n-Tetracosane (C24)	6.7	5.41716	81		1.23 (40-140)	25
n-Hexacosane (C26)	3.3	2.66338	81		0 (40-140)	25
n-Octacosane (C28)	3.3	2.69560	82		0 (40-140)	25
n-Tricontane (C30)	3.3	2.70965	82		1.21 (40-140)	25
n-Dotriacontane (C32)	3.3	2.84577	86		1.16 (40-140)	25
n-Tetratriacontane (C34)	3.3	3.30367	100		1 (40-140)	25
n-Hexatriacontane (C36)	3.3	3.66310	111		0.9 (40-140)	25
n-Octatriacontane (C38)	3.3	4.02861	122		0.82 (40-140)	25
n-Tetracontane (C40)	3.3	4.08006	124		0.8 (40-140)	25

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168702BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q2480

SAS No.: Q2480 SDG NO.: Q2480

Instrument ID: FID_C

Lab Sample ID: PB168702BL

Matrix: (soil/water) Solid

Date Extracted: 7/2/2025 11:05:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB168702BS	PB168702BS
PB168702BSD	PB168702BSD
WC-1MS	Q2478-01MS
WC-1MSD	Q2478-01MSD
GPX1	Q2480-01
GPX2	Q2480-02
GPX3	Q2480-03
GPX4	Q2480-04
GPX5	Q2480-05
GPX6	Q2480-06
GPX7	Q2480-07
GPX8	Q2480-08

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	06/30/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX1	SDG No.:	Q2480
Lab Sample ID:	Q2480-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 17:50	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.19		1	1.34	2.26	mg/kg	FE054672.D
Aliphatic C9-C28	Aliphatic C9-C28	8.76		1	1.03	4.53	mg/kg	FE054672.D
Total AliphaticEPH	Total AliphaticEPH	17.9			2.37	6.79	mg/kg	
Total EPH	Total EPH	17.9			2.37	6.79	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	06/30/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX1	SDG No.:	Q2480
Lab Sample ID:	Q2480-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054672.D	1	07/02/25	07/02/25	PB168702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.76		1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.19		1.34	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.0		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.3		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2480-01	Acq On:	02 Jul 2025 17:50
Client Sample ID:	GPX1	Operator:	YP\AJ
Data file:	FE054672.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	3.319	6.951	2172616	15.969	300	ug/ml
Aliphatic C12-C16	6.952	10.402	1562367	11.115	200	ug/ml
Aliphatic C16-C21	10.403	13.777	4717329	32.67	300	ug/ml
Aliphatic C21-C28	13.778	17.448	8119295	56.13	400	ug/ml
Aliphatic C28-C40	17.449	22.462	16882706	121.767	600	ug/ml
Aliphatic EPH	3.319	22.462	33454313	237.65		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	4602571	28.34		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	3792627	30.03		ug/ml
Aliphatic C9-C28	3.319	17.448	16571607	115.884	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
 Data File : FE054672.D
 Signal(s) : FID1B.ch
 Acq On : 02 Jul 2025 17:50
 Operator : YP\AJ
 Sample : Q2480-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 GPX1

Integration File: autoint1.e
 Quant Time: Jul 03 05:10:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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	4602571	28.342 ug/ml
Spiked Amount 50.000		Recovery =	56.68%
12) S 1-chlorooctadecane (S...	13.513	3792627	30.030 ug/ml
Spiked Amount 50.000		Recovery =	60.06%

Target Compounds

(f)=RT Delta > 1/2 Window

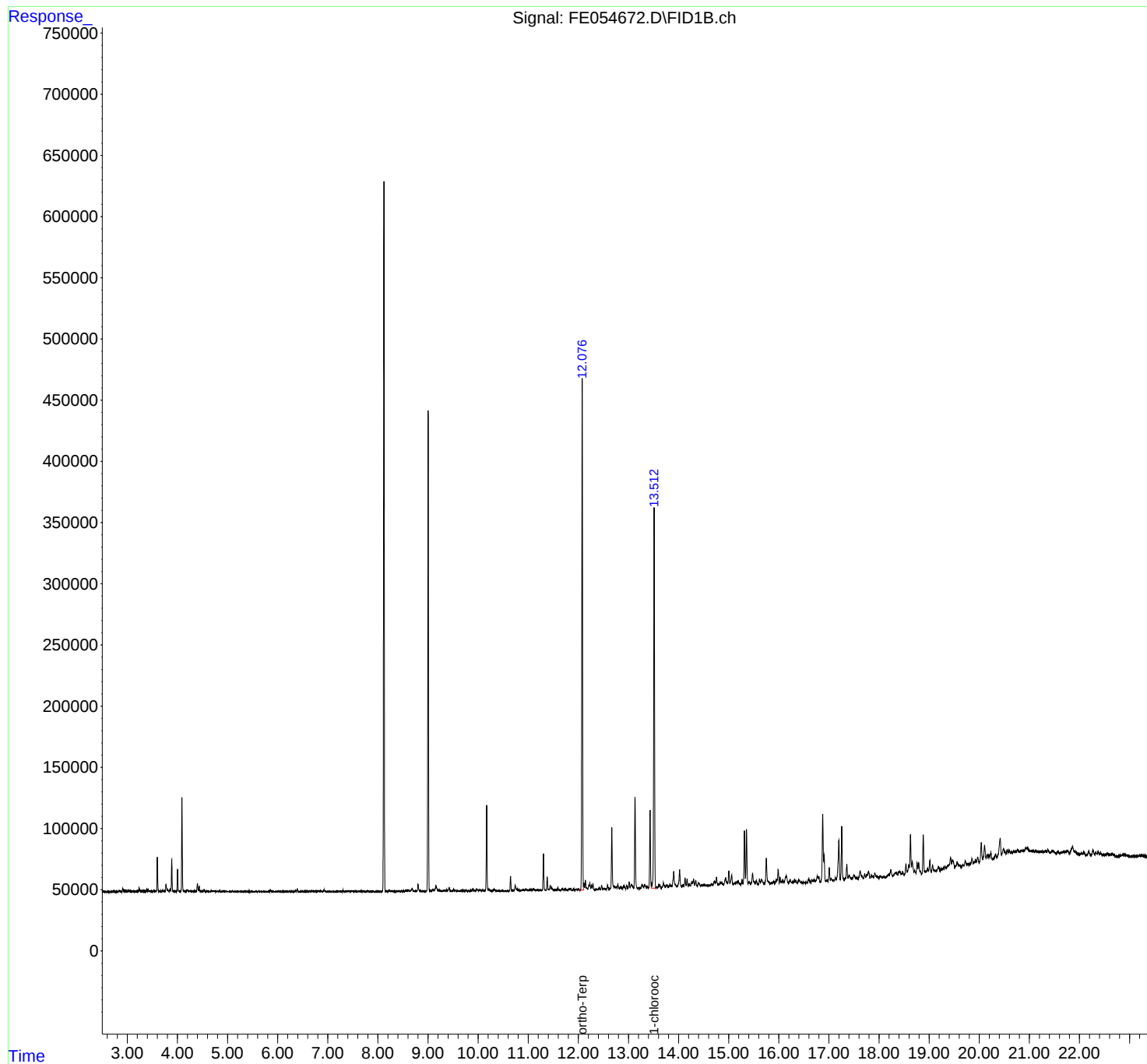
(m)=manual int.

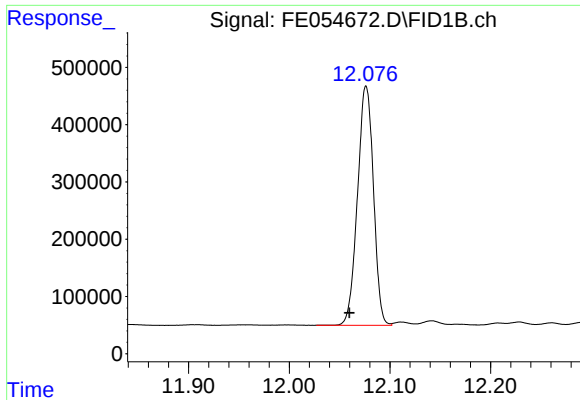
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
Data File : FE054672.D
Signal(s) : FID1B.ch
Acq On : 02 Jul 2025 17:50
Operator : YP\AJ
Sample : Q2480-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
GPX1

Integration File: autoint1.e
Quant Time: Jul 03 05:10:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

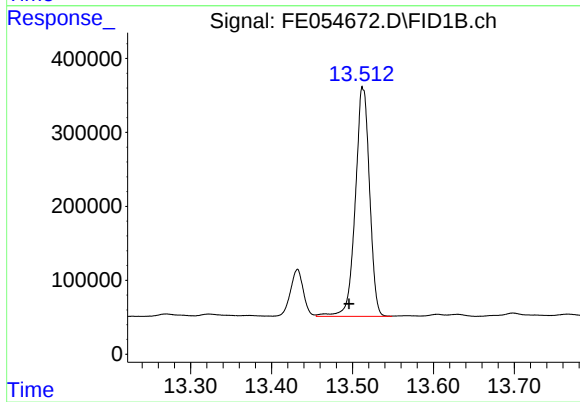




#9 ortho-Terphenyl (SURR)

R.T.: 12.076 min
Delta R.T.: 0.017 min
Response: 4602571
Conc: 28.34 ug/ml

Instrument :
FID_E
ClientSampleId :
GPX1



#12 1-chlorooctadecane (SURR)

R.T.: 13.513 min
Delta R.T.: 0.018 min
Response: 3792627
Conc: 30.03 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
Data File : FE054672.D
Signal(s) : FID1B.ch
Acq On : 02 Jul 2025 17:50
Sample : Q2480-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	2.843	2.804	2.868	BV	752	12645	0.27%	0.030%
2	2.877	2.868	2.891	PV	93	883	0.02%	0.002%
3	2.908	2.891	2.944	VV	2638	36510	0.79%	0.087%
4	2.956	2.944	2.991	VV	585	12729	0.28%	0.030%
5	3.001	2.991	3.017	VV	376	5207	0.11%	0.012%
6	3.031	3.017	3.040	VV	474	5329	0.12%	0.013%
7	3.052	3.040	3.088	VV	641	10683	0.23%	0.025%
8	3.109	3.088	3.136	VV	693	11326	0.25%	0.027%
9	3.149	3.136	3.174	VV	251	4866	0.11%	0.012%
10	3.197	3.174	3.214	VV	364	6936	0.15%	0.017%
11	3.236	3.214	3.278	VV	3007	40514	0.88%	0.096%
12	3.291	3.278	3.304	VV	679	9199	0.20%	0.022%
13	3.316	3.304	3.367	VV	608	15089	0.33%	0.036%
14	3.396	3.367	3.408	VV	1491	19077	0.41%	0.045%
15	3.418	3.408	3.453	VV	1171	16665	0.36%	0.040%
16	3.468	3.453	3.490	VV	346	6607	0.14%	0.016%
17	3.502	3.490	3.514	VV	318	4662	0.10%	0.011%
18	3.529	3.514	3.555	VV	793	13533	0.29%	0.032%
19	3.565	3.555	3.576	VV	527	6307	0.14%	0.015%
20	3.599	3.576	3.681	VV	28235	268864	5.84%	0.640%
21	3.703	3.681	3.725	VV	842	13244	0.29%	0.032%
22	3.735	3.725	3.753	VV	452	6721	0.15%	0.016%
23	3.772	3.753	3.799	VV	5804	77063	1.67%	0.183%
24	3.806	3.799	3.838	VV	1992	25376	0.55%	0.060%
25	3.853	3.838	3.865	VV	1595	18050	0.39%	0.043%
26	3.887	3.865	3.934	VV	26122	246530	5.35%	0.586%
27	3.954	3.934	3.977	VV	314	7086	0.15%	0.017%
28	4.003	3.977	4.047	VV	18250	172662	3.75%	0.411%
29	4.091	4.047	4.168	VV	76210	713912	15.50%	1.698%
30	4.198	4.168	4.235	VV	1437	26950	0.58%	0.064%
31	4.249	4.235	4.313	VV	468	17370	0.38%	0.041%
32	4.328	4.313	4.349	VV	481	7761	0.17%	0.018%
33	4.399	4.349	4.419	VV	6473	84102	1.83%	0.200%
34	4.434	4.419	4.509	VV	4403	60385	1.31%	0.144%
35	4.533	4.509	4.548	VV	1959	21273	0.46%	0.051%
36	4.557	4.548	4.613	VV	653	13707	0.30%	0.033%

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37	4.622	4.613	4.651	VV	270	5111	0.11%	0.012%
38	4.676	4.651	4.708	VV	862	15965	0.35%	0.038%
39	4.719	4.708	4.726	VV	505	4802	0.10%	0.011%
40	4.739	4.726	4.820	VV	773	16979	0.37%	0.040%
41	4.844	4.820	4.881	VV	622	8684	0.19%	0.021%
42	4.907	4.881	4.937	VV	598	11478	0.25%	0.027%
43	4.956	4.937	5.007	VV	493	8886	0.19%	0.021%
44	5.018	5.007	5.030	VV	164	1573	0.03%	0.004%
45	5.046	5.030	5.078	VV	290	5011	0.11%	0.012%
46	5.096	5.078	5.131	VV	250	5604	0.12%	0.013%
47	5.140	5.131	5.170	VV	243	3028	0.07%	0.007%
48	5.182	5.170	5.255	VV	164	6868	0.15%	0.016%
49	5.269	5.255	5.293	VV	235	3413	0.07%	0.008%
50	5.309	5.293	5.328	VV	248	4053	0.09%	0.010%
51	5.338	5.328	5.366	VV	285	4283	0.09%	0.010%
52	5.394	5.366	5.419	VV	270	5774	0.13%	0.014%
53	5.425	5.419	5.446	VV	176	2153	0.05%	0.005%
54	5.466	5.446	5.484	VV	235	2958	0.06%	0.007%
55	5.494	5.484	5.548	VV	196	3124	0.07%	0.007%
56	5.561	5.548	5.577	VV	188	1801	0.04%	0.004%
57	5.622	5.577	5.649	VV	414	6113	0.13%	0.015%
58	5.674	5.649	5.708	VV	132	3223	0.07%	0.008%
59	5.715	5.708	5.741	VV	90	1045	0.02%	0.002%
60	5.756	5.741	5.783	VV	115	1157	0.03%	0.003%
61	5.817	5.783	5.832	VV	399	4591	0.10%	0.011%
62	5.852	5.832	5.908	VV	1869	23170	0.50%	0.055%
63	5.927	5.908	5.944	VV	224	2628	0.06%	0.006%
64	5.961	5.944	5.976	PV	145	1146	0.02%	0.003%
65	6.003	5.976	6.044	VV	187	4484	0.10%	0.011%
66	6.135	6.044	6.174	VV	302	13367	0.29%	0.032%
67	6.199	6.174	6.219	VV	170	3105	0.07%	0.007%
68	6.238	6.219	6.291	VV	273	5316	0.12%	0.013%
69	6.300	6.291	6.318	VV	154	1229	0.03%	0.003%
70	6.361	6.318	6.374	VV	567	9421	0.20%	0.022%
71	6.391	6.374	6.434	VV	2381	26974	0.59%	0.064%
72	6.442	6.434	6.474	VV	241	4521	0.10%	0.011%
73	6.493	6.474	6.524	VV	357	7331	0.16%	0.017%
74	6.559	6.524	6.611	VV	431	12780	0.28%	0.030%
75	6.647	6.611	6.665	VV	372	9170	0.20%	0.022%
76	6.687	6.665	6.728	VV	808	15767	0.34%	0.038%
77	6.739	6.728	6.751	VV	332	4205	0.09%	0.010%
78	6.760	6.751	6.771	VV	278	2973	0.06%	0.007%
79	6.804	6.771	6.828	VV	323	9132	0.20%	0.022%
80	6.850	6.828	6.878	VV	428	8668	0.19%	0.021%
81	6.885	6.878	6.901	VV	175	2172	0.05%	0.005%
82	6.927	6.901	6.988	VV	1531	19473	0.42%	0.046%
83	7.001	6.988	7.016	VV	110	1293	0.03%	0.003%
84	7.024	7.016	7.034	VV	88	598	0.01%	0.001%
85	7.039	7.034	7.108	VV	96	2219	0.05%	0.005%
86	7.151	7.108	7.167	PV	156	3126	0.07%	0.007%
87	7.180	7.167	7.266	VV	204	4580	0.10%	0.011%
88	7.303	7.266	7.344	VV	1214	14465	0.31%	0.034%
89	7.390	7.344	7.465	VV	259	13372	0.29%	0.032%

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90	7.491	7.465	7.514	VV	652	8569	0.19%	0.020%
91	7.537	7.514	7.560	VV	348	5747	0.12%	0.014%
92	7.575	7.560	7.601	VV	259	3779	0.08%	0.009%
93	7.631	7.601	7.650	VV	480	6774	0.15%	0.016%
94	7.668	7.650	7.711	VV	242	6594	0.14%	0.016%
95	7.723	7.711	7.737	VV	213	2385	0.05%	0.006%
96	7.751	7.737	7.775	VV	197	2416	0.05%	0.006%
97	7.800	7.775	7.821	VV	272	3625	0.08%	0.009%
98	7.830	7.821	7.847	VV	78	686	0.01%	0.002%
99	7.859	7.847	7.907	VV	255	3024	0.07%	0.007%
100	7.921	7.907	8.012	VV	128	3643	0.08%	0.009%
101	8.231	8.194	8.248	VV	854	14101	0.31%	0.034%
102	8.263	8.248	8.277	VV	530	6016	0.13%	0.014%
103	8.290	8.277	8.314	VV	471	5835	0.13%	0.014%
104	8.328	8.314	8.358	VV	126	1972	0.04%	0.005%
105	8.406	8.358	8.451	VV	290	9477	0.21%	0.023%
106	8.456	8.451	8.480	VV	194	2446	0.05%	0.006%
107	8.507	8.480	8.530	VV	389	7790	0.17%	0.019%
108	8.582	8.530	8.598	VV	783	22208	0.48%	0.053%
109	8.611	8.598	8.650	VV	1055	21359	0.46%	0.051%
110	8.684	8.650	8.751	VV	2042	47480	1.03%	0.113%
111	8.801	8.751	8.878	VV	5858	87995	1.91%	0.209%
112	8.889	8.878	8.907	VV	251	2984	0.06%	0.007%
113	8.917	8.907	8.926	VV	213	1754	0.04%	0.004%
114	8.931	8.926	8.950	VV	156	1681	0.04%	0.004%
115	9.051	9.038	9.077	VV	649	12296	0.27%	0.029%
116	9.100	9.077	9.118	VV	1818	25067	0.54%	0.060%
117	9.161	9.118	9.274	VV	4271	129527	2.81%	0.308%
118	9.318	9.274	9.358	VV	663	22973	0.50%	0.055%
119	9.375	9.358	9.393	VV	1040	14482	0.31%	0.034%
120	9.419	9.393	9.491	VV	2618	56502	1.23%	0.134%
121	9.514	9.491	9.534	VV	1363	18917	0.41%	0.045%
122	9.554	9.534	9.589	VV	750	13578	0.29%	0.032%
123	9.610	9.589	9.644	VV	340	7089	0.15%	0.017%
124	9.668	9.644	9.686	VV	694	10123	0.22%	0.024%
125	9.703	9.686	9.734	VV	696	10904	0.24%	0.026%
126	9.756	9.734	9.784	VV	652	9979	0.22%	0.024%
127	9.808	9.784	9.831	VV	429	7206	0.16%	0.017%
128	9.852	9.831	9.868	PV	596	6726	0.15%	0.016%
129	9.892	9.868	9.944	VV	2092	37383	0.81%	0.089%
130	9.972	9.944	10.008	VV	1931	38145	0.83%	0.091%
131	10.039	10.008	10.064	VV	1239	25353	0.55%	0.060%
132	10.077	10.064	10.093	VV	500	7697	0.17%	0.018%
133	10.104	10.093	10.123	VV	538	6947	0.15%	0.017%
134	10.171	10.123	10.204	VV	70064	716195	15.55%	1.704%
135	10.216	10.204	10.268	VV	1435	27402	0.59%	0.065%
136	10.270	10.268	10.278	VV	308	1449	0.03%	0.003%
137	10.318	10.278	10.357	VV	1259	31875	0.69%	0.076%
138	10.379	10.357	10.393	VV	277	4559	0.10%	0.011%
139	10.404	10.393	10.432	VV	280	4094	0.09%	0.010%
140	10.477	10.432	10.505	VV	251	7067	0.15%	0.017%
141	10.513	10.505	10.541	VV	128	1755	0.04%	0.004%

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142	10.555	10.541	10.571	VV	106	773	0.02%	0.002%
143	10.588	10.571	10.614	PV	178	1766	0.04%	0.004%
144	10.647	10.614	10.676	VV	11858	126837	2.75%	0.302%
145	10.692	10.676	10.707	VV	383	5259	0.11%	0.013%
146	10.741	10.707	10.766	VV	4388	70152	1.52%	0.167%
147	10.779	10.766	10.804	VV	1420	20934	0.45%	0.050%
148	10.820	10.804	10.858	VV	848	15956	0.35%	0.038%
149	10.864	10.858	10.874	VV	346	3067	0.07%	0.007%
150	10.900	10.874	10.929	VV	1008	20102	0.44%	0.048%
151	10.949	10.929	10.984	VV	1821	29651	0.64%	0.071%
152	10.996	10.984	11.014	VV	694	8977	0.19%	0.021%
153	11.041	11.014	11.054	VV	1151	18778	0.41%	0.045%
154	11.067	11.054	11.083	VV	1183	14243	0.31%	0.034%
155	11.104	11.083	11.133	VV	1691	29625	0.64%	0.070%
156	11.149	11.133	11.176	VV	535	11989	0.26%	0.029%
157	11.200	11.176	11.218	VV	821	12842	0.28%	0.031%
158	11.235	11.218	11.258	VV	439	7662	0.17%	0.018%
159	11.304	11.258	11.345	VV	30327	326774	7.09%	0.777%
160	11.379	11.345	11.418	VV	10825	129548	2.81%	0.308%
161	11.440	11.418	11.459	VV	3958	57313	1.24%	0.136%
162	11.472	11.459	11.531	VV	2184	40240	0.87%	0.096%
163	11.551	11.531	11.570	VV	712	9959	0.22%	0.024%
164	11.590	11.570	11.636	VV	2391	32508	0.71%	0.077%
165	11.679	11.636	11.700	PV	1611	27219	0.59%	0.065%
166	11.712	11.700	11.730	VV	883	13013	0.28%	0.031%
167	11.747	11.730	11.780	VV	1025	17321	0.38%	0.041%
168	11.840	11.780	11.877	VV	1565	42816	0.93%	0.102%
169	11.907	11.877	11.931	PV	1245	16930	0.37%	0.040%
170	11.956	11.931	11.981	VV	813	16986	0.37%	0.040%
171	11.997	11.981	12.024	VV	731	10578	0.23%	0.025%
172	12.076	12.024	12.102	VV	417217	4607015	100.00%	10.960%
173	12.111	12.102	12.125	VV	5709	59023	1.28%	0.140%
174	12.141	12.125	12.187	VV	7856	117493	2.55%	0.280%
175	12.228	12.187	12.245	VV	5767	108745	2.36%	0.259%
176	12.261	12.245	12.275	VV	4290	48416	1.05%	0.115%
177	12.291	12.275	12.318	VV	5200	61758	1.34%	0.147%
178	12.331	12.318	12.341	PV	227	2039	0.04%	0.005%
179	12.364	12.341	12.386	VV	651	9327	0.20%	0.022%
180	12.421	12.386	12.443	VV	1158	22213	0.48%	0.053%
181	12.465	12.443	12.488	VV	3616	41585	0.90%	0.099%
182	12.504	12.488	12.559	VV	740	23720	0.51%	0.056%
183	12.583	12.559	12.624	VV	3953	55733	1.21%	0.133%
184	12.668	12.624	12.714	VV	50344	607029	13.18%	1.444%
185	12.729	12.714	12.748	VV	2084	37371	0.81%	0.089%
186	12.759	12.748	12.770	VV	1739	20868	0.45%	0.050%
187	12.788	12.770	12.823	VV	3706	65183	1.41%	0.155%
188	12.856	12.823	12.884	VV	1513	41350	0.90%	0.098%
189	12.905	12.884	12.941	VV	2723	51428	1.12%	0.122%
190	12.963	12.941	12.994	VV	3046	50612	1.10%	0.120%
191	13.015	12.994	13.033	VV	5685	74378	1.61%	0.177%
192	13.055	13.033	13.101	VV	3281	89955	1.95%	0.214%
193	13.131	13.101	13.178	VV	75297	863228	18.74%	2.054%
194	13.192	13.178	13.211	VV	713	8365	0.18%	0.020%

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195	13.229	13.211	13.237	VV	555	5629	0.12%	0.013%
196	13.270	13.237	13.303	VV	3551	71018	1.54%	0.169%
197	13.323	13.303	13.360	VV	3383	70653	1.53%	0.168%
198	13.372	13.360	13.401	VV	1487	25194	0.55%	0.060%
199	13.432	13.401	13.454	VV	63389	706715	15.34%	1.681%
200	13.513	13.454	13.549	VV	308800	3802227	82.53%	9.045%
201	13.567	13.549	13.583	VV	873	14418	0.31%	0.034%
202	13.605	13.583	13.617	VV	2792	34152	0.74%	0.081%
203	13.629	13.617	13.654	VV	2695	34215	0.74%	0.081%
204	13.698	13.654	13.743	PV	4344	93375	2.03%	0.222%
205	13.766	13.743	13.792	VV	2783	49407	1.07%	0.118%
206	13.828	13.792	13.867	VV	3284	74844	1.62%	0.178%
207	13.904	13.867	13.969	VV	13228	267690	5.81%	0.637%
208	14.021	13.969	14.065	VV	14380	254550	5.53%	0.606%
209	14.090	14.065	14.105	VV	2133	35496	0.77%	0.084%
210	14.130	14.105	14.150	VV	7387	101853	2.21%	0.242%
211	14.170	14.150	14.192	VV	6782	88379	1.92%	0.210%
212	14.214	14.192	14.234	VV	2612	45069	0.98%	0.107%
213	14.264	14.234	14.282	VV	3895	78328	1.70%	0.186%
214	14.300	14.282	14.322	VV	6169	93823	2.04%	0.223%
215	14.342	14.322	14.375	VV	5191	84672	1.84%	0.201%
216	14.399	14.375	14.433	VV	3334	71632	1.55%	0.170%
217	14.448	14.433	14.472	VV	1409	26348	0.57%	0.063%
218	14.502	14.472	14.541	VV	1602	51593	1.12%	0.123%
219	14.556	14.541	14.589	VV	1257	27613	0.60%	0.066%
220	14.608	14.589	14.625	VV	1135	18815	0.41%	0.045%
221	14.658	14.625	14.678	VV	1891	37733	0.82%	0.090%
222	14.715	14.678	14.737	VV	3600	90583	1.97%	0.215%
223	14.756	14.737	14.796	VV	7235	122038	2.65%	0.290%
224	14.832	14.796	14.846	VV	2766	57836	1.26%	0.138%
225	14.863	14.846	14.894	VV	2977	60119	1.30%	0.143%
226	14.940	14.894	14.980	VV	6954	180562	3.92%	0.430%
227	15.003	14.980	15.025	VV	12128	167995	3.65%	0.400%
228	15.058	15.025	15.091	VV	8603	167266	3.63%	0.398%
229	15.125	15.091	15.133	VV	2059	37883	0.82%	0.090%
230	15.153	15.133	15.168	VV	2765	48583	1.05%	0.116%
231	15.187	15.168	15.241	VV	3502	84692	1.84%	0.201%
232	15.267	15.241	15.286	VV	4323	62370	1.35%	0.148%
233	15.314	15.286	15.334	VV	43952	544545	11.82%	1.295%
234	15.355	15.334	15.387	VV	45283	565202	12.27%	1.345%
235	15.408	15.387	15.433	VV	2301	44791	0.97%	0.107%
236	15.476	15.433	15.531	VV	9274	194715	4.23%	0.463%
237	15.551	15.531	15.587	VV	3558	58895	1.28%	0.140%
238	15.614	15.587	15.639	VV	3590	69981	1.52%	0.166%
239	15.658	15.639	15.703	VV	3978	90416	1.96%	0.215%
240	15.751	15.703	15.821	VV	21205	359807	7.81%	0.856%
241	15.856	15.821	15.868	VV	926	19185	0.42%	0.046%
242	15.892	15.868	15.923	VV	1996	41763	0.91%	0.099%
243	15.948	15.923	15.960	VV	3113	44193	0.96%	0.105%
244	15.988	15.960	16.009	VV	11138	169695	3.68%	0.404%
245	16.026	16.009	16.049	VV	5410	68707	1.49%	0.163%
246	16.072	16.049	16.088	VV	2516	38990	0.85%	0.093%

					rteres			
247	16.150	16.088	16.188	VV	6298	185933	4.04%	0.442%
248	16.228	16.188	16.253	VV	3176	57745	1.25%	0.137%
249	16.272	16.253	16.291	VV	1285	19518	0.42%	0.046%
250	16.313	16.291	16.326	VV	2402	31917	0.69%	0.076%
251	16.340	16.326	16.366	VV	2180	31810	0.69%	0.076%
252	16.399	16.366	16.444	VV	2478	58727	1.27%	0.140%
253	16.460	16.444	16.484	VV	543	5993	0.13%	0.014%
254	16.492	16.484	16.504	VV	333	2491	0.05%	0.006%
255	16.518	16.504	16.551	VV	413	4817	0.10%	0.011%
256	16.598	16.551	16.617	PV	2969	49940	1.08%	0.119%
257	16.626	16.617	16.641	VV	1396	12938	0.28%	0.031%
258	16.660	16.641	16.679	VV	2633	34190	0.74%	0.081%
259	16.701	16.679	16.724	VV	1955	38220	0.83%	0.091%
260	16.767	16.724	16.787	VV	4949	104718	2.27%	0.249%
261	16.800	16.787	16.826	VV	4561	60345	1.31%	0.144%
262	16.877	16.826	16.934	PV	55344	1007471	21.87%	2.397%
263	16.961	16.934	16.980	VV	1106	19212	0.42%	0.046%
264	17.007	16.980	17.029	VV	11359	142221	3.09%	0.338%
265	17.044	17.029	17.083	VV	2514	43342	0.94%	0.103%
266	17.129	17.083	17.144	VV	2471	43527	0.94%	0.104%
267	17.198	17.144	17.226	VV	33088	557166	12.09%	1.325%
268	17.257	17.226	17.300	VV	43776	560037	12.16%	1.332%
269	17.357	17.300	17.382	VV	12682	206640	4.49%	0.492%
270	17.402	17.382	17.448	VV	3792	91127	1.98%	0.217%
271	17.501	17.448	17.548	VV	3799	120903	2.62%	0.288%
272	17.562	17.548	17.579	VV	1352	18414	0.40%	0.044%
273	17.621	17.579	17.655	VV	6509	155817	3.38%	0.371%
274	17.663	17.655	17.686	VV	2506	30039	0.65%	0.071%
275	17.714	17.686	17.735	VV	4177	66139	1.44%	0.157%
276	17.758	17.735	17.769	VV	3624	55649	1.21%	0.132%
277	17.791	17.769	17.822	VV	5482	112579	2.44%	0.268%
278	17.844	17.822	17.860	VV	2777	38788	0.84%	0.092%
279	17.875	17.860	17.891	VV	1894	27234	0.59%	0.065%
280	17.917	17.891	17.942	VV	4102	71997	1.56%	0.171%
281	17.952	17.942	17.995	VV	1584	29178	0.63%	0.069%
282	18.034	17.995	18.061	VV	1412	32599	0.71%	0.078%
283	18.069	18.061	18.076	VV	265	2139	0.05%	0.005%
284	18.101	18.076	18.130	VV	806	11744	0.25%	0.028%
285	18.189	18.130	18.201	PV	2126	46042	1.00%	0.110%
286	18.235	18.201	18.273	VV	6034	128827	2.80%	0.306%
287	18.326	18.273	18.340	VV	3403	75392	1.64%	0.179%
288	18.354	18.340	18.371	VV	3166	42378	0.92%	0.101%
289	18.392	18.371	18.407	VV	3879	59344	1.29%	0.141%
290	18.420	18.407	18.449	VV	3427	63299	1.37%	0.151%
291	18.471	18.449	18.499	VV	3015	54246	1.18%	0.129%
292	18.537	18.499	18.570	VV	9523	169609	3.68%	0.403%
293	18.593	18.570	18.605	VV	8476	130329	2.83%	0.310%
294	18.627	18.605	18.649	VV	33140	464577	10.08%	1.105%
295	18.664	18.649	18.696	VV	10780	190446	4.13%	0.453%
296	18.712	18.696	18.733	VV	3507	53979	1.17%	0.128%
297	18.761	18.733	18.776	VV	9456	140851	3.06%	0.335%
298	18.792	18.776	18.850	VV	9420	168754	3.66%	0.401%
299	18.883	18.850	18.910	PV	31666	405142	8.79%	0.964%

					rteres			
300	18.923	18.910	18.937	VV	1861	27590	0.60%	0.066%
301	18.968	18.937	18.988	VV	3691	76739	1.67%	0.183%
302	19.013	18.988	19.039	VV	10514	158891	3.45%	0.378%
303	19.069	19.039	19.098	VV	6575	112481	2.44%	0.268%
304	19.108	19.098	19.128	VV	2054	30811	0.67%	0.073%
305	19.139	19.128	19.146	VV	1456	14549	0.32%	0.035%
306	19.192	19.146	19.217	VV	4025	115214	2.50%	0.274%
307	19.243	19.217	19.264	VV	2334	56517	1.23%	0.134%
308	19.284	19.264	19.296	VV	3029	49606	1.08%	0.118%
309	19.316	19.296	19.335	VV	4335	77514	1.68%	0.184%
310	19.371	19.335	19.381	VV	4661	102854	2.23%	0.245%
311	19.427	19.381	19.449	VV	10436	284402	6.17%	0.677%
312	19.470	19.449	19.513	VV	8409	243394	5.28%	0.579%
313	19.560	19.513	19.651	VV	6893	325717	7.07%	0.775%
314	19.672	19.651	19.694	VV	4025	88040	1.91%	0.209%
315	19.720	19.694	19.753	VV	6793	177652	3.86%	0.423%
316	19.769	19.753	19.788	VV	4503	82325	1.79%	0.196%
317	19.855	19.788	19.880	VV	8351	282472	6.13%	0.672%
318	19.903	19.880	19.910	VV	5545	91035	1.98%	0.217%
319	19.929	19.910	19.942	VV	6405	111594	2.42%	0.265%
320	19.969	19.942	20.002	VV	8956	238528	5.18%	0.567%
321	20.041	20.002	20.068	VV	20691	440699	9.57%	1.048%
322	20.106	20.068	20.137	VV	17805	472334	10.25%	1.124%
323	20.156	20.137	20.177	VV	10140	218372	4.74%	0.519%
324	20.195	20.177	20.211	VV	9865	185101	4.02%	0.440%
325	20.231	20.211	20.263	VV	11350	271958	5.90%	0.647%
326	20.292	20.263	20.300	VV	7417	151574	3.29%	0.361%
327	20.323	20.300	20.348	VV	10041	237612	5.16%	0.565%
328	20.418	20.348	20.444	VV	22528	765398	16.61%	1.821%
329	20.484	20.444	20.530	VV	13830	578050	12.55%	1.375%
330	20.560	20.530	20.578	VV	12506	315690	6.85%	0.751%
331	20.597	20.578	20.625	VV	12263	312978	6.79%	0.745%
332	20.643	20.625	20.662	VV	10107	217051	4.71%	0.516%
333	20.689	20.662	20.721	VV	10933	365868	7.94%	0.870%
334	20.765	20.721	20.811	VV	12205	576539	12.51%	1.372%
335	20.843	20.811	20.865	VV	11081	339288	7.36%	0.807%
336	20.933	20.865	20.951	VV	12569	570783	12.39%	1.358%
337	20.963	20.951	21.031	VV	12179	509685	11.06%	1.213%
338	21.075	21.031	21.110	VV	9729	440664	9.57%	1.048%
339	21.125	21.110	21.174	VV	9084	337801	7.33%	0.804%
340	21.205	21.174	21.224	VV	8243	242994	5.27%	0.578%
341	21.279	21.224	21.304	VV	8241	388696	8.44%	0.925%
342	21.326	21.304	21.344	VV	8031	189058	4.10%	0.450%
343	21.370	21.344	21.413	VV	8866	325634	7.07%	0.775%
344	21.459	21.413	21.535	VV	7830	498348	10.82%	1.186%
345	21.571	21.535	21.603	VV	6643	241474	5.24%	0.574%
346	21.686	21.603	21.710	VV	6366	371794	8.07%	0.884%
347	21.767	21.710	21.805	VV	6369	326865	7.09%	0.778%
348	21.863	21.805	21.891	VV	9310	360500	7.83%	0.858%
349	21.904	21.891	22.010	VV	5758	280136	6.08%	0.666%
350	22.038	22.010	22.063	VV	3508	96194	2.09%	0.229%
351	22.089	22.063	22.147	VV	4178	132610	2.88%	0.315%

Aliphatic EPH 062725.M Thu Jul 03 05:40:20 2025

Report of Analysis

Client:	G Environmental	Date Collected:	06/30/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX2	SDG No.:	Q2480
Lab Sample ID:	Q2480-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 18:20	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	12.2		1	1.32	2.24	mg/kg FE054673.D
Aliphatic C9-C28	Aliphatic C9-C28	13.4		1	1.02	4.48	mg/kg FE054673.D
Total AliphaticEPH	Total AliphaticEPH	25.6			2.34	6.72	mg/kg
Total EPH	Total EPH	25.6			2.34	6.72	mg/kg

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	06/30/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX2	SDG No.:	Q2480
Lab Sample ID:	Q2480-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054673.D	1	07/02/25	07/02/25	PB168702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	13.4		1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.2		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.0		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.7		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2480-02	Acq On:	02 Jul 2025 18:20
Client Sample ID:	GPX2	Operator:	YP\AJ
Data file:	FE054673.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.951	3480509	25.582	300	ug/ml
Aliphatic C12-C16	6.952	10.402	2108914	15.003	200	ug/ml
Aliphatic C16-C21	10.403	13.777	6051420	41.909	300	ug/ml
Aliphatic C21-C28	13.778	17.448	14143968	97.779	400	ug/ml
Aliphatic C28-C40	17.449	22.462	22652519	163.382	600	ug/ml
Aliphatic EPH	3.319	22.462	48437330	343.655		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	4826976	29.72		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	4045442	32.03		ug/ml
Aliphatic C9-C28	3.319	17.448	25784811	180.273	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
 Data File : FE054673.D
 Signal(s) : FID1B.ch
 Acq On : 02 Jul 2025 18:20
 Operator : YP\AJ
 Sample : Q2480-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 GPX2

Integration File: autoint1.e
 Quant Time: Jul 03 05:10:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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	4826976	29.724 ug/ml
Spiked Amount 50.000		Recovery =	59.45%
12) S 1-chlorooctadecane (S...	13.513	4045442	32.032 ug/ml
Spiked Amount 50.000		Recovery =	64.06%

Target Compounds

(f)=RT Delta > 1/2 Window

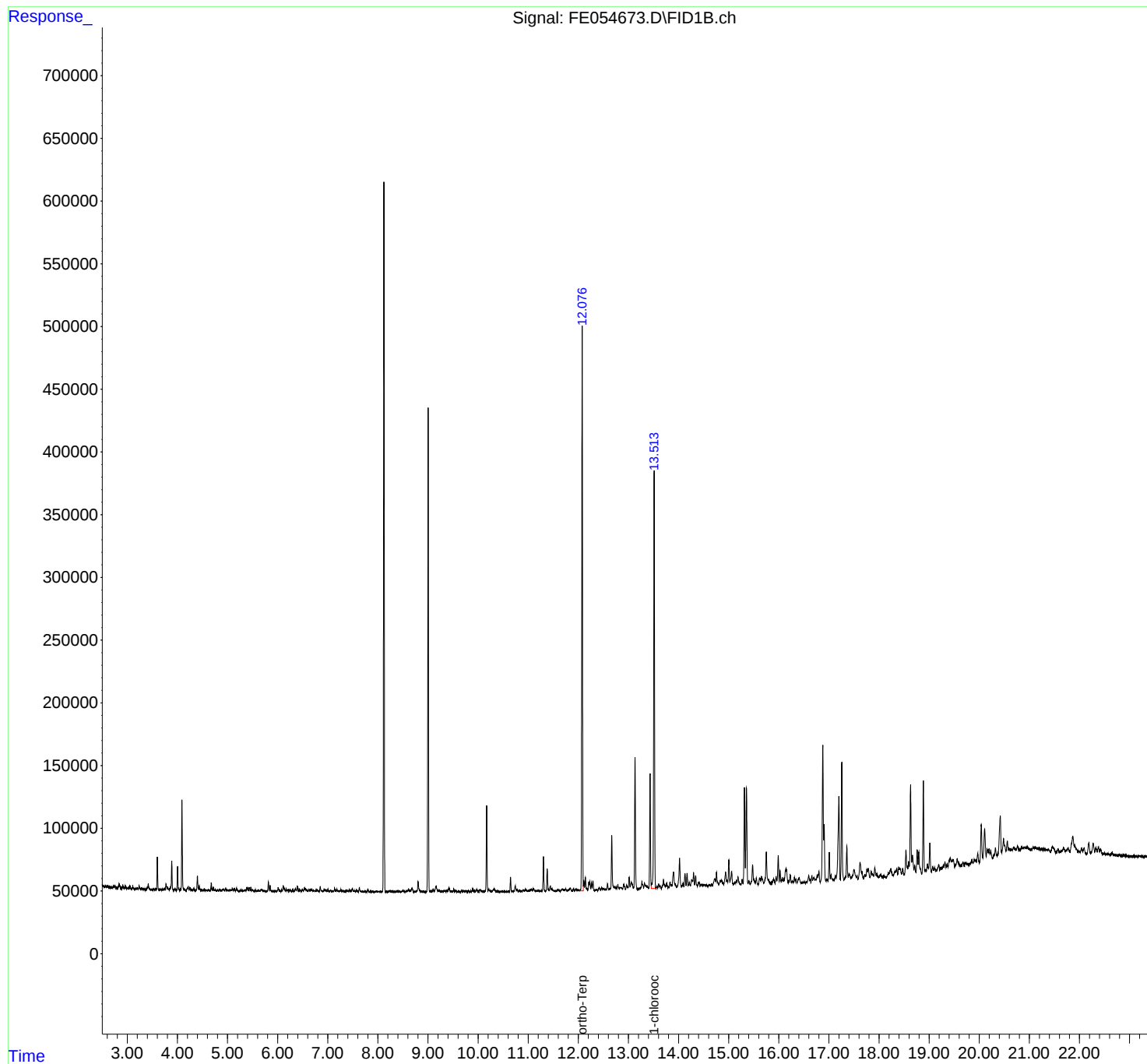
(m)=manual int.

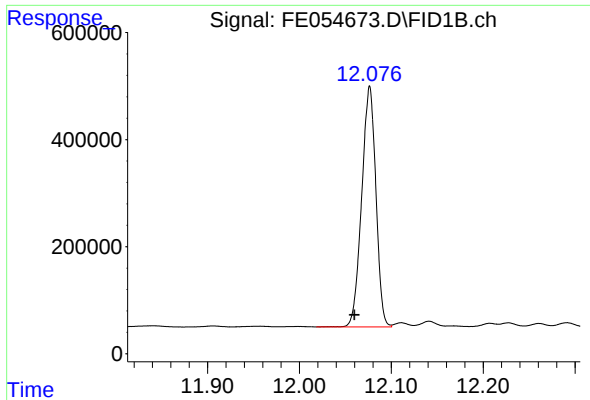
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
Data File : FE054673.D
Signal(s) : FID1B.ch
Acq On : 02 Jul 2025 18:20
Operator : YP\AJ
Sample : Q2480-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
GPX2

Integration File: autoint1.e
Quant Time: Jul 03 05:10:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

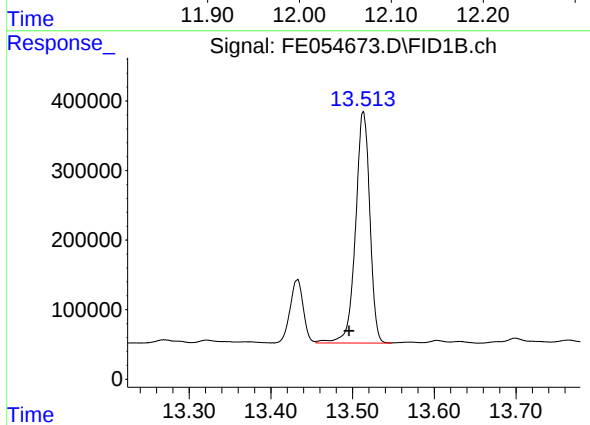




#9 ortho-Terphenyl (SURR)

R.T.: 12.076 min
Delta R.T.: 0.017 min
Response: 4826976
Conc: 29.72 ug/ml

Instrument :
FID_E
ClientSampleId :
GPX2



#12 1-chlorooctadecane (SURR)

R.T.: 13.513 min
Delta R.T.: 0.018 min
Response: 4045442
Conc: 32.03 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
Data File : FE054673.D
Signal(s) : FID1B.ch
Acq On : 02 Jul 2025 18:20
Sample : Q2480-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.832	2.805	2.875	BV	2789	47159	0.98%	0.082%
2	2.882	2.875	2.891	VV	157	1211	0.03%	0.002%
3	2.910	2.891	2.940	VV	2255	29449	0.61%	0.051%
4	2.968	2.940	2.989	VV	1577	27965	0.58%	0.049%
5	2.998	2.989	3.017	VV	266	3237	0.07%	0.006%
6	3.054	3.017	3.079	VV	2274	31320	0.65%	0.054%
7	3.111	3.079	3.145	VV	1437	17300	0.36%	0.030%
8	3.154	3.145	3.170	PV	108	1044	0.02%	0.002%
9	3.199	3.170	3.216	PV	926	14059	0.29%	0.024%
10	3.236	3.216	3.264	VV	2786	32816	0.68%	0.057%
11	3.291	3.264	3.365	VV	663	16204	0.34%	0.028%
12	3.418	3.365	3.460	PV	4693	71413	1.48%	0.124%
13	3.471	3.460	3.511	VV	340	4514	0.09%	0.008%
14	3.531	3.511	3.555	PV	617	8030	0.17%	0.014%
15	3.567	3.555	3.578	VV	692	7064	0.15%	0.012%
16	3.599	3.578	3.647	VV	26271	246808	5.11%	0.429%
17	3.664	3.647	3.686	VV	667	8035	0.17%	0.014%
18	3.704	3.686	3.719	VV	660	6747	0.14%	0.012%
19	3.737	3.719	3.748	VV	1141	12839	0.27%	0.022%
20	3.774	3.748	3.798	VV	4780	69565	1.44%	0.121%
21	3.808	3.798	3.838	VV	2060	26227	0.54%	0.046%
22	3.887	3.838	3.920	VV	23303	258527	5.35%	0.449%
23	3.952	3.920	3.981	VV	1002	17411	0.36%	0.030%
24	4.003	3.981	4.047	VV	18863	185960	3.85%	0.323%
25	4.091	4.047	4.168	VV	71641	704758	14.60%	1.225%
26	4.215	4.168	4.232	PV	3308	52565	1.09%	0.091%
27	4.249	4.232	4.273	VV	2321	28323	0.59%	0.049%
28	4.285	4.273	4.303	VV	669	8220	0.17%	0.014%
29	4.326	4.303	4.349	VV	2062	23658	0.49%	0.041%
30	4.399	4.349	4.420	VV	11569	134702	2.79%	0.234%
31	4.435	4.420	4.506	VV	4099	64461	1.34%	0.112%
32	4.533	4.506	4.548	VV	1628	16921	0.35%	0.029%
33	4.572	4.548	4.596	VV	744	13185	0.27%	0.023%
34	4.620	4.596	4.651	VV	757	11689	0.24%	0.020%
35	4.676	4.651	4.698	VV	6255	66898	1.39%	0.116%
36	4.717	4.698	4.735	VV	3035	32759	0.68%	0.057%

					rt	er		
37	4.751	4.735	4.773	VV	1007	13478	0.28%	0.023%
38	4.805	4.773	4.820	VV	647	9596	0.20%	0.017%
39	4.840	4.820	4.881	VV	977	19961	0.41%	0.035%
40	4.908	4.881	4.943	VV	1618	34768	0.72%	0.060%
41	4.961	4.943	4.978	VV	2621	28075	0.58%	0.049%
42	4.991	4.978	5.007	VV	1142	14317	0.30%	0.025%
43	5.021	5.007	5.035	VV	910	11097	0.23%	0.019%
44	5.044	5.035	5.055	VV	952	9282	0.19%	0.016%
45	5.067	5.055	5.079	VV	1144	12087	0.25%	0.021%
46	5.096	5.079	5.115	VV	2456	29493	0.61%	0.051%
47	5.138	5.115	5.158	VV	2136	30367	0.63%	0.053%
48	5.178	5.158	5.238	VV	2515	42200	0.87%	0.073%
49	5.260	5.238	5.278	VV	1158	13194	0.27%	0.023%
50	5.293	5.278	5.315	VV	703	10590	0.22%	0.018%
51	5.326	5.315	5.335	VV	710	6891	0.14%	0.012%
52	5.353	5.335	5.366	VV	1334	16668	0.35%	0.029%
53	5.385	5.366	5.415	VV	3223	53163	1.10%	0.092%
54	5.435	5.415	5.452	VV	2832	38085	0.79%	0.066%
55	5.466	5.452	5.482	VV	3439	34407	0.71%	0.060%
56	5.496	5.482	5.538	VV	1720	24580	0.51%	0.043%
57	5.559	5.538	5.580	PV	1108	15697	0.33%	0.027%
58	5.599	5.580	5.611	VV	688	11401	0.24%	0.020%
59	5.621	5.611	5.648	VV	775	12398	0.26%	0.022%
60	5.672	5.648	5.685	VV	1506	22732	0.47%	0.040%
61	5.694	5.685	5.725	VV	1293	17182	0.36%	0.030%
62	5.737	5.725	5.745	VV	446	4887	0.10%	0.008%
63	5.759	5.745	5.778	VV	499	6737	0.14%	0.012%
64	5.815	5.778	5.833	VV	7703	82195	1.70%	0.143%
65	5.850	5.833	5.914	VV	4855	67998	1.41%	0.118%
66	5.924	5.914	5.963	VV	473	9455	0.20%	0.016%
67	5.973	5.963	5.986	VV	356	4147	0.09%	0.007%
68	6.011	5.986	6.034	VV	3375	44592	0.92%	0.078%
69	6.043	6.034	6.058	VV	882	8876	0.18%	0.015%
70	6.082	6.058	6.091	VV	1088	15159	0.31%	0.026%
71	6.112	6.091	6.126	VV	4775	57747	1.20%	0.100%
72	6.133	6.126	6.153	VV	2801	30222	0.63%	0.053%
73	6.168	6.153	6.193	VV	1842	26753	0.55%	0.047%
74	6.208	6.193	6.224	VV	1904	20285	0.42%	0.035%
75	6.249	6.224	6.278	VV	1003	21414	0.44%	0.037%
76	6.299	6.278	6.321	VV	1395	18581	0.38%	0.032%
77	6.357	6.321	6.374	VV	2310	38967	0.81%	0.068%
78	6.393	6.374	6.418	VV	4555	57488	1.19%	0.100%
79	6.428	6.418	6.468	VV	1514	28422	0.59%	0.049%
80	6.493	6.468	6.514	VV	2143	30046	0.62%	0.052%
81	6.533	6.514	6.571	VV	2646	58983	1.22%	0.103%
82	6.582	6.571	6.606	VV	1241	18714	0.39%	0.033%
83	6.623	6.606	6.640	VV	2083	24908	0.52%	0.043%
84	6.679	6.640	6.704	VV	1663	45061	0.93%	0.078%
85	6.734	6.704	6.750	VV	814	18507	0.38%	0.032%
86	6.769	6.750	6.788	VV	1217	20471	0.42%	0.036%
87	6.796	6.788	6.828	VV	1082	16382	0.34%	0.028%
88	6.850	6.828	6.901	VV	4155	57140	1.18%	0.099%
89	6.928	6.901	6.954	VV	1930	33384	0.69%	0.058%

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90	6.966	6.954	6.988	VV	1382	20774	0.43%	0.036%
91	7.004	6.988	7.031	VV	1957	23422	0.49%	0.041%
92	7.054	7.031	7.094	VV	1068	22005	0.46%	0.038%
93	7.104	7.094	7.117	VV	436	5025	0.10%	0.009%
94	7.138	7.117	7.161	VV	2231	28090	0.58%	0.049%
95	7.179	7.161	7.228	VV	2042	36330	0.75%	0.063%
96	7.262	7.228	7.286	VV	1794	28290	0.59%	0.049%
97	7.299	7.286	7.319	VV	685	8683	0.18%	0.015%
98	7.335	7.319	7.348	VV	531	6612	0.14%	0.011%
99	7.387	7.348	7.408	VV	1111	23396	0.48%	0.041%
100	7.428	7.408	7.458	VV	1710	24472	0.51%	0.043%
101	7.491	7.458	7.520	VV	2777	45325	0.94%	0.079%
102	7.534	7.520	7.555	VV	912	13166	0.27%	0.023%
103	7.575	7.555	7.608	VV	1582	24795	0.51%	0.043%
104	7.631	7.608	7.661	VV	3430	40102	0.83%	0.070%
105	7.675	7.661	7.684	VV	296	3647	0.08%	0.006%
106	7.699	7.684	7.721	VV	408	6743	0.14%	0.012%
107	7.734	7.721	7.777	VV	318	7681	0.16%	0.013%
108	7.801	7.777	7.833	VV	2403	27613	0.57%	0.048%
109	7.859	7.833	7.881	VV	354	7076	0.15%	0.012%
110	7.887	7.881	7.912	VV	254	4001	0.08%	0.007%
111	7.927	7.912	7.938	VV	113	1353	0.03%	0.002%
112	7.978	7.938	8.002	VV	515	7662	0.16%	0.013%
113	8.023	8.002	8.049	PV	514	7757	0.16%	0.013%
114	8.059	8.049	8.071	VV	143	1232	0.03%	0.002%
115	8.173	8.165	8.185	VV	185	1483	0.03%	0.003%
116	8.231	8.185	8.250	VV	912	17549	0.36%	0.031%
117	8.262	8.250	8.276	VV	508	6153	0.13%	0.011%
118	8.289	8.276	8.316	VV	703	8398	0.17%	0.015%
119	8.336	8.316	8.357	VV	356	4526	0.09%	0.008%
120	8.394	8.357	8.425	PV	767	15761	0.33%	0.027%
121	8.439	8.425	8.473	VV	461	7687	0.16%	0.013%
122	8.506	8.473	8.541	VV	1265	24653	0.51%	0.043%
123	8.613	8.541	8.630	VV	2072	46541	0.96%	0.081%
124	8.641	8.630	8.652	VV	1030	10978	0.23%	0.019%
125	8.684	8.652	8.721	VV	2839	57140	1.18%	0.099%
126	8.731	8.721	8.746	VV	300	3444	0.07%	0.006%
127	8.802	8.746	8.875	VV	8308	133816	2.77%	0.233%
128	8.891	8.875	8.912	VV	414	5637	0.12%	0.010%
129	8.930	8.912	8.955	VV	182	3164	0.07%	0.006%
130	9.053	9.033	9.081	VV	712	15007	0.31%	0.026%
131	9.101	9.081	9.119	VV	1895	25012	0.52%	0.043%
132	9.160	9.119	9.211	VV	4208	111320	2.31%	0.194%
133	9.227	9.211	9.275	VV	1166	23407	0.48%	0.041%
134	9.298	9.275	9.308	VV	637	10003	0.21%	0.017%
135	9.314	9.308	9.328	VV	590	5929	0.12%	0.010%
136	9.343	9.328	9.359	VV	645	9551	0.20%	0.017%
137	9.377	9.359	9.392	VV	1147	14390	0.30%	0.025%
138	9.418	9.392	9.458	VV	2887	54881	1.14%	0.095%
139	9.464	9.458	9.492	VV	512	7729	0.16%	0.013%
140	9.515	9.492	9.536	VV	1854	23938	0.50%	0.042%
141	9.554	9.536	9.591	VV	1013	15367	0.32%	0.027%

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142	9.611	9.591	9.641	VV	542	8134	0.17%	0.014%
143	9.670	9.641	9.688	VV	811	12142	0.25%	0.021%
144	9.704	9.688	9.728	VV	977	12100	0.25%	0.021%
145	9.756	9.728	9.782	VV	1045	16014	0.33%	0.028%
146	9.807	9.782	9.832	VV	607	8866	0.18%	0.015%
147	9.852	9.832	9.869	PV	934	10669	0.22%	0.019%
148	9.892	9.869	9.948	VV	2231	44676	0.93%	0.078%
149	9.972	9.948	10.005	VV	2125	39656	0.82%	0.069%
150	10.038	10.005	10.063	VV	1909	35100	0.73%	0.061%
151	10.074	10.063	10.090	VV	629	8737	0.18%	0.015%
152	10.104	10.090	10.128	VV	672	10033	0.21%	0.017%
153	10.171	10.128	10.196	VV	68458	702576	14.55%	1.222%
154	10.213	10.196	10.258	VV	1850	39409	0.82%	0.069%
155	10.267	10.258	10.281	VV	397	5020	0.10%	0.009%
156	10.321	10.281	10.363	VV	2372	55534	1.15%	0.097%
157	10.383	10.363	10.433	VV	420	11532	0.24%	0.020%
158	10.477	10.433	10.505	VV	409	10180	0.21%	0.018%
159	10.517	10.505	10.545	VV	198	2793	0.06%	0.005%
160	10.552	10.545	10.571	PV	107	973	0.02%	0.002%
161	10.584	10.571	10.621	PV	198	3755	0.08%	0.007%
162	10.648	10.621	10.678	VV	11385	121235	2.51%	0.211%
163	10.693	10.678	10.710	VV	697	9559	0.20%	0.017%
164	10.742	10.710	10.766	VV	4653	74973	1.55%	0.130%
165	10.778	10.766	10.803	VV	1801	24823	0.51%	0.043%
166	10.821	10.803	10.855	VV	1130	19956	0.41%	0.035%
167	10.899	10.855	10.929	VV	1365	31799	0.66%	0.055%
168	10.949	10.929	10.986	VV	1805	33396	0.69%	0.058%
169	10.994	10.986	11.008	VV	677	7470	0.15%	0.013%
170	11.043	11.008	11.055	VV	1782	30030	0.62%	0.052%
171	11.067	11.055	11.083	VV	1882	22201	0.46%	0.039%
172	11.105	11.083	11.138	VV	2237	42324	0.88%	0.074%
173	11.149	11.138	11.165	VV	679	9545	0.20%	0.017%
174	11.199	11.165	11.218	VV	1067	20399	0.42%	0.035%
175	11.238	11.218	11.254	VV	546	8277	0.17%	0.014%
176	11.304	11.254	11.345	VV	27425	295064	6.11%	0.513%
177	11.379	11.345	11.418	VV	17934	215818	4.47%	0.375%
178	11.440	11.418	11.459	VV	4195	58817	1.22%	0.102%
179	11.473	11.459	11.534	VV	2160	42052	0.87%	0.073%
180	11.552	11.534	11.568	VV	521	7780	0.16%	0.014%
181	11.590	11.568	11.634	VV	1748	29015	0.60%	0.050%
182	11.678	11.634	11.697	VV	1785	31747	0.66%	0.055%
183	11.710	11.697	11.731	VV	1269	21610	0.45%	0.038%
184	11.748	11.731	11.769	VV	1795	25463	0.53%	0.044%
185	11.840	11.769	11.874	VV	2392	63682	1.32%	0.111%
186	11.906	11.874	11.927	PV	1956	25504	0.53%	0.044%
187	11.956	11.927	11.977	VV	1454	24930	0.52%	0.043%
188	11.998	11.977	12.018	VV	883	13565	0.28%	0.024%
189	12.076	12.018	12.101	VV	449120	4828161	100.00%	8.394%
190	12.111	12.101	12.125	VV	7823	77578	1.61%	0.135%
191	12.141	12.125	12.185	VV	10604	143104	2.96%	0.249%
192	12.208	12.185	12.216	VV	6672	71497	1.48%	0.124%
193	12.227	12.216	12.245	VV	7593	85096	1.76%	0.148%
194	12.261	12.245	12.275	VV	6254	71193	1.47%	0.124%

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195	12.291	12.275	12.319	VV	7707	93744	1.94%	0.163%
196	12.362	12.319	12.384	PV	660	9925	0.21%	0.017%
197	12.421	12.384	12.445	VV	2199	36120	0.75%	0.063%
198	12.465	12.445	12.485	VV	2224	29798	0.62%	0.052%
199	12.501	12.485	12.561	VV	1345	38018	0.79%	0.066%
200	12.582	12.561	12.626	VV	5278	75528	1.56%	0.131%
201	12.667	12.626	12.710	VV	43253	538270	11.15%	0.936%
202	12.730	12.710	12.747	VV	2293	43165	0.89%	0.075%
203	12.760	12.747	12.770	VV	1987	22603	0.47%	0.039%
204	12.788	12.770	12.821	VV	3595	64606	1.34%	0.112%
205	12.836	12.821	12.846	VV	1910	24125	0.50%	0.042%
206	12.857	12.846	12.881	VV	1908	28826	0.60%	0.050%
207	12.904	12.881	12.941	VV	3951	76117	1.58%	0.132%
208	12.964	12.941	12.993	VV	3729	67996	1.41%	0.118%
209	13.014	12.993	13.033	VV	9885	127661	2.64%	0.222%
210	13.055	13.033	13.098	VV	5411	147146	3.05%	0.256%
211	13.132	13.098	13.179	VV	105087	1196844	24.79%	2.081%
212	13.190	13.179	13.208	VV	431	4536	0.09%	0.008%
213	13.231	13.208	13.240	VV	823	10313	0.21%	0.018%
214	13.269	13.240	13.303	VV	5288	106191	2.20%	0.185%
215	13.322	13.303	13.359	VV	4790	96594	2.00%	0.168%
216	13.371	13.359	13.401	VV	2187	40888	0.85%	0.071%
217	13.432	13.401	13.456	VV	91493	1038118	21.50%	1.805%
218	13.466	13.456	13.471	VV	4170	33031	0.68%	0.057%
219	13.513	13.471	13.548	VV	330939	4029279	83.45%	7.005%
220	13.570	13.548	13.584	VV	1578	23776	0.49%	0.041%
221	13.604	13.584	13.619	VV	4005	49461	1.02%	0.086%
222	13.630	13.619	13.655	VV	2495	30968	0.64%	0.054%
223	13.699	13.655	13.742	PV	7155	146701	3.04%	0.255%
224	13.764	13.742	13.794	VV	4276	73148	1.52%	0.127%
225	13.829	13.794	13.846	VV	5179	77057	1.60%	0.134%
226	13.857	13.846	13.867	VV	2728	31887	0.66%	0.055%
227	13.900	13.867	13.965	VV	12870	299401	6.20%	0.521%
228	14.020	13.965	14.061	VV	23754	408141	8.45%	0.710%
229	14.089	14.061	14.105	VV	3367	54514	1.13%	0.095%
230	14.129	14.105	14.150	VV	11171	157572	3.26%	0.274%
231	14.170	14.150	14.192	VV	11147	144297	2.99%	0.251%
232	14.215	14.192	14.234	VV	3977	66594	1.38%	0.116%
233	14.263	14.234	14.281	VV	6126	120726	2.50%	0.210%
234	14.300	14.281	14.322	VV	11523	165581	3.43%	0.288%
235	14.341	14.322	14.377	VV	9132	134365	2.78%	0.234%
236	14.399	14.377	14.433	VV	3536	82964	1.72%	0.144%
237	14.450	14.433	14.475	VV	1854	36613	0.76%	0.064%
238	14.504	14.475	14.541	VV	2143	61740	1.28%	0.107%
239	14.551	14.541	14.590	VV	1297	26691	0.55%	0.046%
240	14.608	14.590	14.630	VV	1817	28162	0.58%	0.049%
241	14.658	14.630	14.677	VV	1948	37180	0.77%	0.065%
242	14.718	14.677	14.741	VV	6247	150724	3.12%	0.262%
243	14.757	14.741	14.799	VV	11217	185038	3.83%	0.322%
244	14.833	14.799	14.845	VV	4231	86910	1.80%	0.151%
245	14.860	14.845	14.905	VV	4715	108914	2.26%	0.189%
246	14.939	14.905	14.959	VV	11369	211064	4.37%	0.367%

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247	14.967	14.959	14.980	VV	4559	50507	1.05%	0.088%
248	15.003	14.980	15.025	VV	20661	281700	5.83%	0.490%
249	15.059	15.025	15.095	VV	11343	230671	4.78%	0.401%
250	15.127	15.095	15.138	VV	2909	52542	1.09%	0.091%
251	15.187	15.138	15.236	VV	6481	190341	3.94%	0.331%
252	15.267	15.236	15.285	VV	4780	69446	1.44%	0.121%
253	15.314	15.285	15.333	VV	77610	936888	19.40%	1.629%
254	15.355	15.333	15.386	VV	77731	1083150	22.43%	1.883%
255	15.403	15.386	15.431	VV	3243	54538	1.13%	0.095%
256	15.477	15.431	15.531	VV	15944	322478	6.68%	0.561%
257	15.551	15.531	15.588	VV	5239	82585	1.71%	0.144%
258	15.617	15.588	15.640	VV	5291	106664	2.21%	0.185%
259	15.656	15.640	15.703	VV	6487	147360	3.05%	0.256%
260	15.750	15.703	15.822	VV	26029	505816	10.48%	0.879%
261	15.832	15.822	15.840	VV	871	8723	0.18%	0.015%
262	15.892	15.840	15.924	VV	3545	100758	2.09%	0.175%
263	15.946	15.924	15.962	VV	5462	78125	1.62%	0.136%
264	15.989	15.962	16.009	VV	22424	300062	6.21%	0.522%
265	16.026	16.009	16.048	VV	10640	136371	2.82%	0.237%
266	16.071	16.048	16.087	VV	5035	77120	1.60%	0.134%
267	16.102	16.087	16.110	VV	3471	40653	0.84%	0.071%
268	16.149	16.110	16.185	VV	11957	321023	6.65%	0.558%
269	16.228	16.185	16.253	VV	6698	120143	2.49%	0.209%
270	16.270	16.253	16.290	VV	1895	29231	0.61%	0.051%
271	16.311	16.290	16.328	VV	4887	63936	1.32%	0.111%
272	16.341	16.328	16.364	VV	3190	39864	0.83%	0.069%
273	16.405	16.364	16.443	VV	3992	100463	2.08%	0.175%
274	16.458	16.443	16.475	VV	516	6064	0.13%	0.011%
275	16.491	16.475	16.501	VV	588	6997	0.14%	0.012%
276	16.518	16.501	16.535	VV	947	9974	0.21%	0.017%
277	16.549	16.535	16.559	PV	579	5207	0.11%	0.009%
278	16.598	16.559	16.616	VV	5787	95012	1.97%	0.165%
279	16.627	16.616	16.641	VV	2830	28743	0.60%	0.050%
280	16.660	16.641	16.678	VV	5467	70138	1.45%	0.122%
281	16.701	16.678	16.724	VV	3889	79727	1.65%	0.139%
282	16.801	16.724	16.828	VV	8698	258781	5.36%	0.450%
283	16.879	16.828	16.942	PV	109025	2010535	41.64%	3.496%
284	16.960	16.942	16.980	VV	1885	29651	0.61%	0.052%
285	17.008	16.980	17.029	VV	23370	287551	5.96%	0.500%
286	17.044	17.029	17.084	VV	5080	83713	1.73%	0.146%
287	17.099	17.084	17.108	VV	1338	15063	0.31%	0.026%
288	17.129	17.108	17.144	VV	4665	62732	1.30%	0.109%
289	17.200	17.144	17.227	VV	67111	1212891	25.12%	2.109%
290	17.258	17.227	17.301	VV	94344	1161914	24.07%	2.020%
291	17.358	17.301	17.386	VV	27509	402283	8.33%	0.699%
292	17.403	17.386	17.440	VV	5305	109699	2.27%	0.191%
293	17.501	17.440	17.547	VV	8089	265526	5.50%	0.462%
294	17.561	17.547	17.580	VV	3016	36471	0.76%	0.063%
295	17.622	17.580	17.651	VV	13305	298537	6.18%	0.519%
296	17.661	17.651	17.689	VV	5992	79307	1.64%	0.138%
297	17.717	17.689	17.733	VV	3820	56193	1.16%	0.098%
298	17.758	17.733	17.769	VV	7159	106533	2.21%	0.185%
299	17.785	17.769	17.819	VV	8183	153557	3.18%	0.267%

					rteres			
300	17.843	17.819	17.861	VV	5681	84753	1.76%	0.147%
301	17.872	17.861	17.892	VV	3822	53321	1.10%	0.093%
302	17.916	17.892	17.942	VV	8387	140202	2.90%	0.244%
303	17.955	17.942	17.995	VV	3180	55439	1.15%	0.096%
304	18.032	17.995	18.079	VV	2939	66349	1.37%	0.115%
305	18.101	18.079	18.148	VV	1446	18582	0.38%	0.032%
306	18.232	18.148	18.275	PV	6350	232719	4.82%	0.405%
307	18.321	18.275	18.334	VV	3949	94140	1.95%	0.164%
308	18.354	18.334	18.372	VV	6337	98358	2.04%	0.171%
309	18.394	18.372	18.408	VV	7141	106587	2.21%	0.185%
310	18.419	18.408	18.448	VV	6362	107386	2.22%	0.187%
311	18.473	18.448	18.503	VV	5671	97018	2.01%	0.169%
312	18.538	18.503	18.574	VV	19726	360838	7.47%	0.627%
313	18.591	18.574	18.604	VV	10652	145599	3.02%	0.253%
314	18.629	18.604	18.653	VV	70937	987917	20.46%	1.718%
315	18.668	18.653	18.697	VV	15549	278294	5.76%	0.484%
316	18.712	18.697	18.734	VV	7294	107450	2.23%	0.187%
317	18.762	18.734	18.777	VV	19598	280010	5.80%	0.487%
318	18.793	18.777	18.855	VV	17570	313102	6.48%	0.544%
319	18.885	18.855	18.911	PV	73992	876169	18.15%	1.523%
320	18.921	18.911	18.933	VV	3128	33931	0.70%	0.059%
321	18.966	18.933	18.986	VV	7305	140404	2.91%	0.244%
322	19.014	18.986	19.043	VV	23946	340649	7.06%	0.592%
323	19.070	19.043	19.091	VV	4339	75720	1.57%	0.132%
324	19.110	19.091	19.152	VV	3712	80912	1.68%	0.141%
325	19.191	19.152	19.215	VV	5741	126353	2.62%	0.220%
326	19.243	19.215	19.253	VV	2752	57322	1.19%	0.100%
327	19.316	19.253	19.336	VV	7127	216811	4.49%	0.377%
328	19.358	19.336	19.377	VV	5047	104707	2.17%	0.182%
329	19.422	19.377	19.443	VV	10560	302314	6.26%	0.526%
330	19.483	19.443	19.508	VV	8332	272311	5.64%	0.473%
331	19.561	19.508	19.623	VV	8890	345992	7.17%	0.602%
332	19.673	19.623	19.701	VV	5869	183250	3.80%	0.319%
333	19.731	19.701	19.757	VV	5034	141604	2.93%	0.246%
334	19.771	19.757	19.788	VV	4143	66022	1.37%	0.115%
335	19.854	19.788	19.878	VV	6462	240939	4.99%	0.419%
336	19.900	19.878	19.919	VV	6958	142000	2.94%	0.247%
337	19.931	19.919	19.943	VV	5731	81051	1.68%	0.141%
338	19.970	19.943	20.003	VV	11447	263551	5.46%	0.458%
339	20.041	20.003	20.069	VV	33423	645940	13.38%	1.123%
340	20.108	20.069	20.138	VV	30275	719529	14.90%	1.251%
341	20.159	20.138	20.179	VV	13893	287324	5.95%	0.500%
342	20.197	20.179	20.216	VV	13939	271370	5.62%	0.472%
343	20.232	20.216	20.265	VV	11940	274276	5.68%	0.477%
344	20.293	20.265	20.300	VV	8872	164923	3.42%	0.287%
345	20.324	20.300	20.351	VV	14224	323116	6.69%	0.562%
346	20.419	20.351	20.448	VV	38560	1099479	22.77%	1.912%
347	20.485	20.448	20.531	VV	20837	740889	15.35%	1.288%
348	20.561	20.531	20.585	VV	18657	461909	9.57%	0.803%
349	20.595	20.585	20.624	VV	12464	277467	5.75%	0.482%
350	20.643	20.624	20.658	VV	11448	230757	4.78%	0.401%
351	20.687	20.658	20.722	VV	13305	457727	9.48%	0.796%

						rteres		
352	20.763	20.722	20.818	VV	13751	669603	13.87%	1.164%
353	20.847	20.818	20.872	VV	12716	381417	7.90%	0.663%
354	20.906	20.872	20.922	VV	12133	353525	7.32%	0.615%
355	20.939	20.922	20.952	VV	11943	215972	4.47%	0.375%
356	20.964	20.952	21.025	VV	11863	462278	9.57%	0.804%
357	21.073	21.025	21.085	VV	11270	374145	7.75%	0.651%
358	21.091	21.085	21.105	VV	11353	132241	2.74%	0.230%
359	21.119	21.105	21.163	VV	11065	368735	7.64%	0.641%
360	21.179	21.163	21.225	VV	10124	360736	7.47%	0.627%
361	21.231	21.225	21.259	VV	9442	189002	3.91%	0.329%
362	21.276	21.259	21.300	VV	9035	220952	4.58%	0.384%
363	21.321	21.300	21.349	VV	8617	244525	5.06%	0.425%
364	21.372	21.349	21.421	VV	8587	333774	6.91%	0.580%
365	21.461	21.421	21.537	VV	10311	546296	11.31%	0.950%
366	21.572	21.537	21.602	VV	7612	243642	5.05%	0.424%
367	21.645	21.602	21.655	VV	6286	183773	3.81%	0.320%
368	21.687	21.655	21.721	VV	8232	272825	5.65%	0.474%
369	21.772	21.721	21.808	VV	7740	324148	6.71%	0.564%
370	21.867	21.808	21.895	VV	16622	575941	11.93%	1.001%
371	21.904	21.895	22.013	VV	9369	411192	8.52%	0.715%
372	22.041	22.013	22.065	VV	6146	152719	3.16%	0.266%
373	22.091	22.065	22.138	VV	6429	173729	3.60%	0.302%
374	22.185	22.138	22.227	VV	9726	244784	5.07%	0.426%
375	22.273	22.227	22.304	VV	9371	234127	4.85%	0.407%
376	22.327	22.304	22.352	VV	5141	114665	2.37%	0.199%
377	22.379	22.352	22.403	VV	5669	123557	2.56%	0.215%
378	22.422	22.403	22.458	VV	3858	73310	1.52%	0.127%
					Sum of corrected areas:		57516532	

Aliphatic EPH 062725.M Thu Jul 03 05:40:52 2025

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX3	SDG No.:	Q2480
Lab Sample ID:	Q2480-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 18:51	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.92		1	1.33	2.25	mg/kg	FE054674.D
Aliphatic C9-C28	Aliphatic C9-C28	4.34	J	1	1.02	4.49	mg/kg	FE054674.D
Total AliphaticEPH	Total AliphaticEPH	10.3			2.35	6.74	mg/kg	
Total EPH	Total EPH	10.3			2.35	6.74	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX3	SDG No.:	Q2480
Lab Sample ID:	Q2480-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054674.D	1	07/02/25	07/02/25	PB168702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.34	J	1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.92		1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.3		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.5		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2480-03	Acq On:	02 Jul 2025 18:51
Client Sample ID:	GPX3	Operator:	YP\AJ
Data file:	FE054674.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.951	2496442	18.349	300	ug/ml
Aliphatic C12-C16	6.952	10.402	1625249	11.562	200	ug/ml
Aliphatic C16-C21	10.403	13.777	1844325	12.773	300	ug/ml
Aliphatic C21-C28	13.778	17.448	2228650	15.407	400	ug/ml
Aliphatic C28-C40	17.449	22.462	10951493	78.988	600	ug/ml
Aliphatic EPH	3.319	22.462	19146159	137.079		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	6088770	37.49		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	4831316	38.25		ug/ml
Aliphatic C9-C28	3.319	17.448	8194666	58.091	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
 Data File : FE054674.D
 Signal(s) : FID1B.ch
 Acq On : 02 Jul 2025 18:51
 Operator : YP\AJ
 Sample : Q2480-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 GPX3

Integration File: autoint1.e
 Quant Time: Jul 03 05:10:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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	6088770	37.494 ug/ml
Spiked Amount 50.000		Recovery =	74.99%
12) S 1-chlorooctadecane (S...	13.513	4831316	38.255 ug/ml
Spiked Amount 50.000		Recovery =	76.51%

Target Compounds

(f)=RT Delta > 1/2 Window

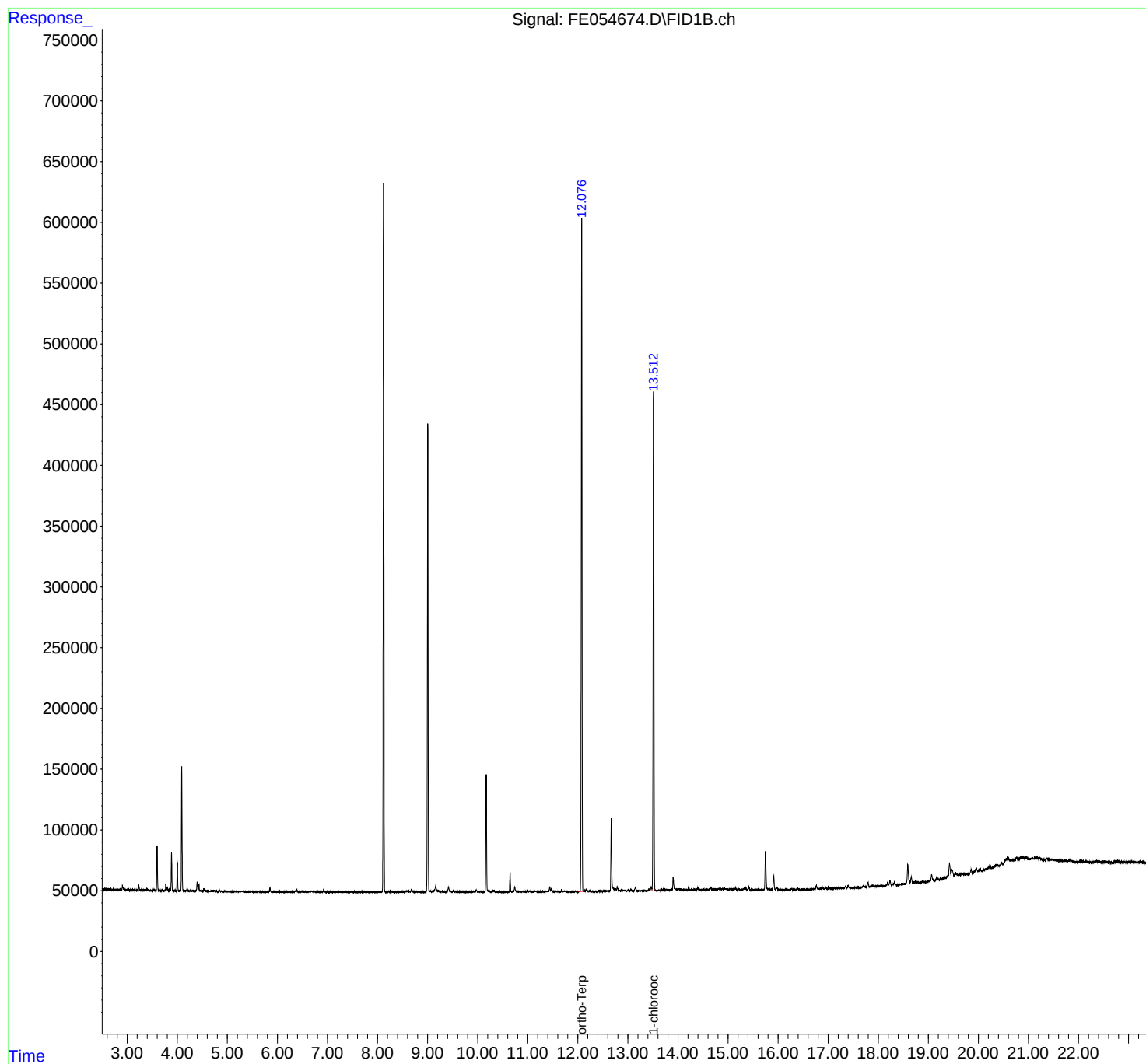
(m)=manual int.

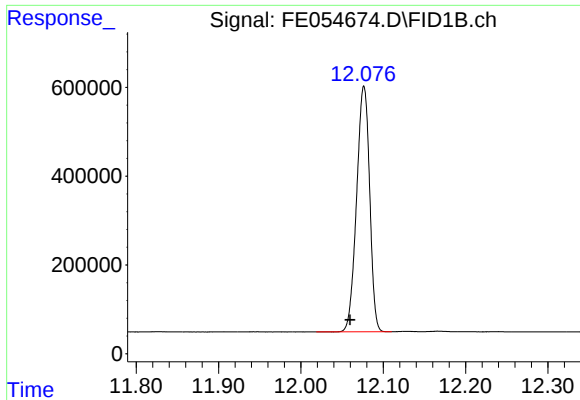
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
Data File : FE054674.D
Signal(s) : FID1B.ch
Acq On : 02 Jul 2025 18:51
Operator : YP\AJ
Sample : Q2480-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
GPX3

Integration File: autoint1.e
Quant Time: Jul 03 05:10:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

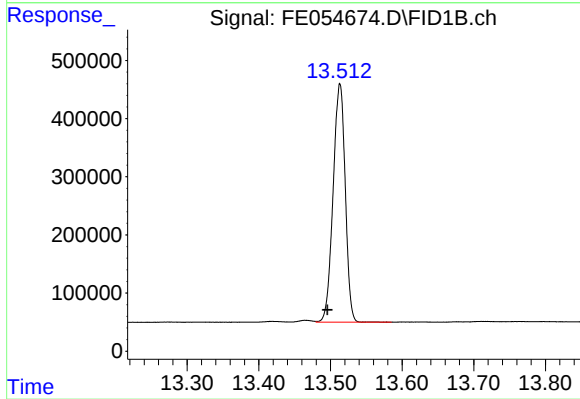




#9 ortho-Terphenyl (SURR)

R.T.: 12.076 min
Delta R.T.: 0.017 min
Response: 6088770
Conc: 37.49 ug/ml

Instrument :
FID_E
ClientSampleId :
GPX3



#12 1-chlorooctadecane (SURR)

R.T.: 13.513 min
Delta R.T.: 0.017 min
Response: 4831316
Conc: 38.25 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
 Data File : FE054674.D
 Signal(s) : FID1B.ch
 Acq On : 02 Jul 2025 18:51
 Sample : Q2480-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	2.845	2.804	2.869	BV	316	4296	0.07%	0.014%
2	2.877	2.869	2.887	VV	63	620	0.01%	0.002%
3	2.906	2.887	2.980	PV	3132	50535	0.83%	0.167%
4	2.996	2.980	3.015	VV	349	5976	0.10%	0.020%
5	3.029	3.015	3.081	VV	621	8617	0.14%	0.029%
6	3.106	3.081	3.144	PV	169	3646	0.06%	0.012%
7	3.155	3.144	3.191	VV	128	1723	0.03%	0.006%
8	3.234	3.191	3.264	VV	3409	38577	0.63%	0.128%
9	3.288	3.264	3.378	VV	699	18489	0.30%	0.061%
10	3.395	3.378	3.484	VV	1649	20093	0.33%	0.066%
11	3.501	3.484	3.510	VV	173	1562	0.03%	0.005%
12	3.528	3.510	3.573	VV	753	12375	0.20%	0.041%
13	3.598	3.573	3.683	VV	36322	336428	5.51%	1.113%
14	3.702	3.683	3.746	PV	777	9646	0.16%	0.032%
15	3.772	3.746	3.797	VV	5382	67187	1.10%	0.222%
16	3.806	3.797	3.833	VV	2139	24154	0.40%	0.080%
17	3.852	3.833	3.864	VV	1886	18610	0.30%	0.062%
18	3.886	3.864	3.961	VV	31621	291881	4.78%	0.966%
19	4.002	3.961	4.044	VV	23278	207092	3.39%	0.685%
20	4.090	4.044	4.178	PV	101591	945577	15.49%	3.129%
21	4.197	4.178	4.236	VV	1927	24438	0.40%	0.081%
22	4.246	4.236	4.292	VV	242	7467	0.12%	0.025%
23	4.321	4.292	4.358	VV	281	7986	0.13%	0.026%
24	4.365	4.358	4.374	VV	146	1386	0.02%	0.005%
25	4.398	4.374	4.418	VV	7566	89030	1.46%	0.295%
26	4.434	4.418	4.488	VV	5584	59737	0.98%	0.198%
27	4.499	4.488	4.508	VV	267	2839	0.05%	0.009%
28	4.532	4.508	4.549	VV	2397	24974	0.41%	0.083%
29	4.559	4.549	4.614	VV	673	11733	0.19%	0.039%
30	4.620	4.614	4.658	VV	207	3944	0.06%	0.013%
31	4.693	4.658	4.710	VV	660	13566	0.22%	0.045%
32	4.739	4.710	4.760	VV	708	12251	0.20%	0.041%
33	4.774	4.760	4.794	VV	300	4197	0.07%	0.014%
34	4.800	4.794	4.823	VV	209	2304	0.04%	0.008%
35	4.844	4.823	4.888	VV	1016	10951	0.18%	0.036%
36	4.899	4.888	4.934	PV	139	3152	0.05%	0.010%

					rteres			
37	4.954	4.934	5.018	VV	531	7416	0.12%	0.025%
38	5.047	5.018	5.124	VV	156	7062	0.12%	0.023%
39	5.137	5.124	5.162	PV	120	1748	0.03%	0.006%
40	5.174	5.162	5.194	VV	128	1260	0.02%	0.004%
41	5.210	5.194	5.222	VV	216	2191	0.04%	0.007%
42	5.228	5.222	5.238	VV	171	908	0.01%	0.003%
43	5.263	5.238	5.272	VV	141	2044	0.03%	0.007%
44	5.311	5.272	5.322	VV	274	4967	0.08%	0.016%
45	5.338	5.322	5.372	VV	308	4580	0.08%	0.015%
46	5.394	5.372	5.451	VV	355	5390	0.09%	0.018%
47	5.468	5.451	5.477	VV	140	1476	0.02%	0.005%
48	5.500	5.477	5.536	VV	170	3051	0.05%	0.010%
49	5.560	5.536	5.602	PV	258	4533	0.07%	0.015%
50	5.622	5.602	5.686	VV	506	8818	0.14%	0.029%
51	5.701	5.686	5.720	VV	182	1470	0.02%	0.005%
52	5.732	5.720	5.744	VV	85	983	0.02%	0.003%
53	5.752	5.744	5.793	VV	120	1735	0.03%	0.006%
54	5.815	5.793	5.831	PV	303	3459	0.06%	0.011%
55	5.851	5.831	5.909	VV	3431	36638	0.60%	0.121%
56	5.926	5.909	6.026	VV	387	8380	0.14%	0.028%
57	6.075	6.026	6.102	PV	195	4523	0.07%	0.015%
58	6.117	6.102	6.181	VV	209	4870	0.08%	0.016%
59	6.191	6.181	6.215	VV	243	2827	0.05%	0.009%
60	6.243	6.215	6.310	VV	280	7050	0.12%	0.023%
61	6.362	6.310	6.375	VV	943	15891	0.26%	0.053%
62	6.391	6.375	6.418	VV	1474	19333	0.32%	0.064%
63	6.446	6.418	6.471	VV	233	5963	0.10%	0.020%
64	6.490	6.471	6.528	VV	421	10055	0.16%	0.033%
65	6.560	6.528	6.607	VV	494	14986	0.25%	0.050%
66	6.644	6.607	6.666	VV	426	11701	0.19%	0.039%
67	6.686	6.666	6.729	VV	905	17554	0.29%	0.058%
68	6.742	6.729	6.758	VV	325	4912	0.08%	0.016%
69	6.792	6.758	6.805	VV	318	7067	0.12%	0.023%
70	6.850	6.805	6.898	VV	393	14093	0.23%	0.047%
71	6.927	6.898	7.034	VV	2420	32948	0.54%	0.109%
72	7.061	7.034	7.099	VV	203	3110	0.05%	0.010%
73	7.109	7.099	7.126	PV	104	1500	0.02%	0.005%
74	7.136	7.126	7.179	VV	159	3435	0.06%	0.011%
75	7.185	7.179	7.199	VV	118	905	0.01%	0.003%
76	7.211	7.199	7.249	VV	163	1435	0.02%	0.005%
77	7.271	7.249	7.339	PV	94	2696	0.04%	0.009%
78	7.385	7.339	7.411	VV	264	7211	0.12%	0.024%
79	7.418	7.411	7.449	VV	241	3969	0.07%	0.013%
80	7.486	7.449	7.515	VV	219	6689	0.11%	0.022%
81	7.542	7.515	7.562	VV	338	6667	0.11%	0.022%
82	7.578	7.562	7.611	VV	236	3741	0.06%	0.012%
83	7.667	7.611	7.696	VV	246	7713	0.13%	0.026%
84	7.703	7.696	7.721	VV	191	2476	0.04%	0.008%
85	7.746	7.721	7.788	VV	186	5461	0.09%	0.018%
86	7.800	7.788	7.843	VV	248	3646	0.06%	0.012%
87	7.861	7.843	7.898	VV	173	2506	0.04%	0.008%
88	7.942	7.898	8.032	PV	97	3584	0.06%	0.012%
89	8.229	8.193	8.251	VV	677	13037	0.21%	0.043%

					rteres			
90	8.262	8.251	8.278	VV	577	6231	0.10%	0.021%
91	8.289	8.278	8.324	VV	415	5832	0.10%	0.019%
92	8.337	8.324	8.361	VV	110	1540	0.03%	0.005%
93	8.408	8.361	8.421	VV	157	4120	0.07%	0.014%
94	8.434	8.421	8.447	VV	163	1553	0.03%	0.005%
95	8.459	8.447	8.480	VV	149	1742	0.03%	0.006%
96	8.506	8.480	8.524	VV	228	3793	0.06%	0.013%
97	8.583	8.524	8.644	VV	860	34096	0.56%	0.113%
98	8.684	8.644	8.754	VV	1990	43960	0.72%	0.145%
99	8.826	8.754	8.864	VV	389	15801	0.26%	0.052%
100	8.879	8.864	8.894	VV	182	2033	0.03%	0.007%
101	8.921	8.894	8.952	VV	214	4427	0.07%	0.015%
102	9.056	9.033	9.081	VV	601	14758	0.24%	0.049%
103	9.161	9.081	9.215	VV	4281	121901	2.00%	0.403%
104	9.223	9.215	9.261	VV	750	14762	0.24%	0.049%
105	9.299	9.261	9.332	VV	753	19938	0.33%	0.066%
106	9.417	9.332	9.486	VV	3766	91029	1.49%	0.301%
107	9.514	9.486	9.542	VV	943	17728	0.29%	0.059%
108	9.555	9.542	9.595	VV	402	8978	0.15%	0.030%
109	9.615	9.595	9.624	VV	207	3311	0.05%	0.011%
110	9.632	9.624	9.637	VV	213	1345	0.02%	0.004%
111	9.655	9.637	9.684	VV	273	5683	0.09%	0.019%
112	9.702	9.684	9.751	VV	326	7758	0.13%	0.026%
113	9.758	9.751	9.788	VV	152	2337	0.04%	0.008%
114	9.798	9.788	9.831	VV	108	1893	0.03%	0.006%
115	9.848	9.831	9.861	VV	216	2114	0.03%	0.007%
116	9.899	9.861	9.921	VV	499	9987	0.16%	0.033%
117	9.972	9.921	10.011	VV	1607	36077	0.59%	0.119%
118	10.016	10.011	10.038	VV	396	5472	0.09%	0.018%
119	10.059	10.038	10.109	VV	324	10757	0.18%	0.036%
120	10.171	10.109	10.280	VV	96790	1017022	16.66%	3.365%
121	10.299	10.280	10.307	VV	662	7172	0.12%	0.024%
122	10.322	10.307	10.390	VV	1421	20318	0.33%	0.067%
123	10.408	10.390	10.428	VV	200	2742	0.04%	0.009%
124	10.462	10.428	10.534	VV	234	7040	0.12%	0.023%
125	10.564	10.534	10.587	VV	90	1264	0.02%	0.004%
126	10.598	10.587	10.613	PV	41	540	0.01%	0.002%
127	10.647	10.613	10.677	VV	15011	152926	2.51%	0.506%
128	10.740	10.677	10.816	VV	4160	78642	1.29%	0.260%
129	10.848	10.816	10.881	VV	323	10532	0.17%	0.035%
130	10.890	10.881	10.914	VV	280	4167	0.07%	0.014%
131	10.943	10.914	10.959	VV	322	6953	0.11%	0.023%
132	10.969	10.959	10.977	VV	281	2746	0.04%	0.009%
133	10.996	10.977	11.012	VV	643	8608	0.14%	0.028%
134	11.040	11.012	11.092	VV	712	13999	0.23%	0.046%
135	11.144	11.092	11.168	VV	631	13187	0.22%	0.044%
136	11.185	11.168	11.217	VV	367	5510	0.09%	0.018%
137	11.302	11.217	11.342	VV	416	12947	0.21%	0.043%
138	11.440	11.342	11.458	VV	4132	68860	1.13%	0.228%
139	11.471	11.458	11.546	VV	2167	42210	0.69%	0.140%
140	11.564	11.546	11.587	VV	276	5948	0.10%	0.020%
141	11.603	11.587	11.654	VV	244	6888	0.11%	0.023%

					rteres			
142	11.679	11.654	11.711	VV	1572	22945	0.38%	0.076%
143	11.748	11.711	11.777	VV	582	13026	0.21%	0.043%
144	11.791	11.777	11.800	VV	112	1012	0.02%	0.003%
145	11.826	11.800	11.884	VV	560	10105	0.17%	0.033%
146	11.911	11.884	11.930	PV	249	3814	0.06%	0.013%
147	11.945	11.930	11.977	VV	318	4603	0.08%	0.015%
148	11.989	11.977	12.004	VV	131	1355	0.02%	0.004%
149	12.027	12.004	12.041	VV	134	2805	0.05%	0.009%
150	12.076	12.041	12.109	VV	555480	6103073	100.00%	20.196%
151	12.128	12.109	12.147	VV	1230	19029	0.31%	0.063%
152	12.167	12.147	12.194	VV	1636	25764	0.42%	0.085%
153	12.204	12.194	12.219	VV	564	6011	0.10%	0.020%
154	12.238	12.219	12.257	VV	493	7052	0.12%	0.023%
155	12.270	12.257	12.284	VV	130	1779	0.03%	0.006%
156	12.294	12.284	12.334	VV	144	1775	0.03%	0.006%
157	12.360	12.334	12.380	VV	78	2007	0.03%	0.007%
158	12.412	12.380	12.449	PV	573	11414	0.19%	0.038%
159	12.468	12.449	12.485	VV	257	3131	0.05%	0.010%
160	12.519	12.485	12.541	VV	461	9566	0.16%	0.032%
161	12.580	12.541	12.617	VV	466	17707	0.29%	0.059%
162	12.667	12.617	12.738	VV	60034	736701	12.07%	2.438%
163	12.757	12.738	12.769	VV	2100	30310	0.50%	0.100%
164	12.787	12.769	12.839	VV	3753	73118	1.20%	0.242%
165	12.871	12.839	12.888	VV	859	22896	0.38%	0.076%
166	12.902	12.888	12.917	VV	814	12361	0.20%	0.041%
167	12.940	12.917	12.978	VV	915	21399	0.35%	0.071%
168	13.002	12.978	13.032	VV	988	18444	0.30%	0.061%
169	13.060	13.032	13.109	VV	1152	25679	0.42%	0.085%
170	13.149	13.109	13.196	VV	3091	61502	1.01%	0.204%
171	13.211	13.196	13.251	VV	359	8442	0.14%	0.028%
172	13.274	13.251	13.296	VV	608	11169	0.18%	0.037%
173	13.319	13.296	13.361	VV	480	13524	0.22%	0.045%
174	13.419	13.361	13.443	VV	1639	38688	0.63%	0.128%
175	13.466	13.443	13.480	VV	3630	48943	0.80%	0.162%
176	13.513	13.480	13.548	VV	413791	4837886	79.27%	16.009%
177	13.559	13.548	13.584	VV	643	11033	0.18%	0.037%
178	13.601	13.584	13.618	VV	551	9732	0.16%	0.032%
179	13.629	13.618	13.652	VV	574	9455	0.15%	0.031%
180	13.677	13.652	13.694	VV	928	16672	0.27%	0.055%
181	13.715	13.694	13.744	VV	1480	36756	0.60%	0.122%
182	13.764	13.744	13.782	VV	1324	26892	0.44%	0.089%
183	13.797	13.782	13.838	VV	1266	34851	0.57%	0.115%
184	13.850	13.838	13.861	VV	872	11528	0.19%	0.038%
185	13.905	13.861	13.994	VV	11718	219648	3.60%	0.727%
186	14.018	13.994	14.048	VV	1698	38918	0.64%	0.129%
187	14.123	14.048	14.151	VV	1063	52629	0.86%	0.174%
188	14.168	14.151	14.181	VV	822	13293	0.22%	0.044%
189	14.216	14.181	14.244	VV	3121	55268	0.91%	0.183%
190	14.265	14.244	14.298	VV	1293	31302	0.51%	0.104%
191	14.339	14.298	14.364	VV	993	37373	0.61%	0.124%
192	14.395	14.364	14.438	VV	2630	57569	0.94%	0.191%
193	14.490	14.438	14.540	VV	1047	53608	0.88%	0.177%
194	14.577	14.540	14.592	VV	877	26069	0.43%	0.086%

					rteres			
195	14.601	14.592	14.610	VV	865	8788	0.14%	0.029%
196	14.655	14.610	14.681	VV	2405	58673	0.96%	0.194%
197	14.704	14.681	14.745	VV	1808	44606	0.73%	0.148%
198	14.757	14.745	14.783	VV	1027	21925	0.36%	0.073%
199	14.812	14.783	14.820	VV	1398	25253	0.41%	0.084%
200	14.841	14.820	14.874	VV	1835	43472	0.71%	0.144%
201	14.894	14.874	14.916	VV	1522	30853	0.51%	0.102%
202	14.954	14.916	14.978	VV	1451	46903	0.77%	0.155%
203	15.000	14.978	15.031	VV	932	26674	0.44%	0.088%
204	15.054	15.031	15.091	VV	1613	36769	0.60%	0.122%
205	15.107	15.091	15.121	VV	861	14232	0.23%	0.047%
206	15.150	15.121	15.194	VV	1906	48776	0.80%	0.161%
207	15.212	15.194	15.241	VV	1172	24772	0.41%	0.082%
208	15.264	15.241	15.287	VV	795	18592	0.30%	0.062%
209	15.329	15.287	15.389	VV	1738	70104	1.15%	0.232%
210	15.415	15.389	15.451	VV	2428	42625	0.70%	0.141%
211	15.472	15.451	15.533	VV	650	20971	0.34%	0.069%
212	15.550	15.533	15.606	VV	440	14200	0.23%	0.047%
213	15.626	15.606	15.643	VV	464	7603	0.12%	0.025%
214	15.668	15.643	15.714	VV	485	13952	0.23%	0.046%
215	15.748	15.714	15.867	VV	32154	460092	7.54%	1.522%
216	15.913	15.867	15.943	VV	11749	160597	2.63%	0.531%
217	15.974	15.943	16.005	VV	2260	36255	0.59%	0.120%
218	16.020	16.005	16.104	VV	317	8784	0.14%	0.029%
219	16.154	16.104	16.188	PV	301	8282	0.14%	0.027%
220	16.210	16.188	16.237	VV	176	3106	0.05%	0.010%
221	16.268	16.237	16.301	VV	958	14690	0.24%	0.049%
222	16.308	16.301	16.338	VV	309	3683	0.06%	0.012%
223	16.351	16.338	16.366	VV	134	1586	0.03%	0.005%
224	16.394	16.366	16.435	VV	1022	14617	0.24%	0.048%
225	16.454	16.435	16.484	VV	349	4547	0.07%	0.015%
226	16.594	16.484	16.625	PV	236	7258	0.12%	0.024%
227	16.764	16.625	16.804	PV	2909	60210	0.99%	0.199%
228	16.842	16.804	16.853	VV	529	13191	0.22%	0.044%
229	16.876	16.853	16.928	VV	1959	34334	0.56%	0.114%
230	16.960	16.928	16.983	VV	819	14429	0.24%	0.048%
231	17.011	16.983	17.058	VV	1609	26047	0.43%	0.086%
232	17.072	17.058	17.089	VV	167	2089	0.03%	0.007%
233	17.128	17.089	17.168	VV	721	15258	0.25%	0.050%
234	17.196	17.168	17.221	VV	352	6721	0.11%	0.022%
235	17.252	17.221	17.268	PV	727	9898	0.16%	0.033%
236	17.278	17.268	17.297	VV	262	3350	0.05%	0.011%
237	17.346	17.297	17.372	VV	1928	28802	0.47%	0.095%
238	17.397	17.372	17.463	VV	2416	39025	0.64%	0.129%
239	17.508	17.463	17.518	PV	93	1767	0.03%	0.006%
240	17.562	17.518	17.581	PV	220	3680	0.06%	0.012%
241	17.615	17.581	17.661	VV	222	6193	0.10%	0.020%
242	17.708	17.661	17.754	PV	1672	36107	0.59%	0.119%
243	17.796	17.754	17.834	VV	3910	64597	1.06%	0.214%
244	17.883	17.834	17.924	VV	1039	22463	0.37%	0.074%
245	17.931	17.924	17.944	VV	324	3481	0.06%	0.012%
246	17.966	17.944	17.991	VV	307	6319	0.10%	0.021%

					rteres			
247	18.022	17.991	18.041	VV	271	4961	0.08%	0.016%
248	18.078	18.041	18.104	VV	308	7153	0.12%	0.024%
249	18.119	18.104	18.131	VV	86	841	0.01%	0.003%
250	18.190	18.131	18.210	PV	2556	43890	0.72%	0.145%
251	18.235	18.210	18.264	VV	3972	64510	1.06%	0.213%
252	18.287	18.264	18.299	VV	917	15061	0.25%	0.050%
253	18.324	18.299	18.404	VV	2666	48189	0.79%	0.159%
254	18.473	18.404	18.498	PV	1033	22457	0.37%	0.074%
255	18.509	18.498	18.518	VV	386	3936	0.06%	0.013%
256	18.522	18.518	18.530	VV	423	2283	0.04%	0.008%
257	18.590	18.530	18.635	VV	15837	281629	4.61%	0.932%
258	18.659	18.635	18.691	VV	5682	92445	1.51%	0.306%
259	18.753	18.691	18.841	VV	2051	55620	0.91%	0.184%
260	18.877	18.841	18.898	PV	496	6900	0.11%	0.023%
261	18.927	18.898	18.944	VV	191	3458	0.06%	0.011%
262	18.967	18.944	18.983	PV	225	2396	0.04%	0.008%
263	19.012	18.983	19.029	VV	790	11024	0.18%	0.036%
264	19.067	19.029	19.131	VV	5450	108074	1.77%	0.358%
265	19.169	19.131	19.218	VV	2263	64445	1.06%	0.213%
266	19.241	19.218	19.268	VV	1028	27514	0.45%	0.091%
267	19.424	19.268	19.450	VV	12296	378487	6.20%	1.252%
268	19.474	19.450	19.514	VV	7492	202402	3.32%	0.670%
269	19.551	19.514	19.608	VV	4049	183370	3.00%	0.607%
270	19.633	19.608	19.650	VV	2982	71568	1.17%	0.237%
271	19.671	19.650	19.698	VV	3296	85713	1.40%	0.284%
272	19.720	19.698	19.744	VV	2889	72644	1.19%	0.240%
273	19.771	19.744	19.798	VV	2650	75100	1.23%	0.249%
274	19.854	19.798	19.888	VV	5861	183242	3.00%	0.606%
275	19.961	19.888	19.997	VV	5825	284789	4.67%	0.942%
276	20.036	19.997	20.080	VV	5493	220713	3.62%	0.730%
277	20.109	20.080	20.120	VV	4292	99435	1.63%	0.329%
278	20.154	20.120	20.174	VV	4790	147823	2.42%	0.489%
279	20.199	20.174	20.207	VV	5728	101626	1.67%	0.336%
280	20.231	20.207	20.258	VV	8442	197686	3.24%	0.654%
281	20.367	20.258	20.391	VV	7051	490772	8.04%	1.624%
282	20.412	20.391	20.428	VV	6707	143976	2.36%	0.476%
283	20.459	20.428	20.491	VV	8360	287207	4.71%	0.950%
284	20.593	20.491	20.671	VV	12403	1084619	17.77%	3.589%
285	20.707	20.671	20.726	VV	9667	308136	5.05%	1.020%
286	20.763	20.726	20.804	VV	11744	484399	7.94%	1.603%
287	20.848	20.804	20.858	VV	10990	333022	5.46%	1.102%
288	20.871	20.858	20.934	VV	10924	484890	7.95%	1.605%
289	20.959	20.934	20.996	VV	10789	369469	6.05%	1.223%
290	21.072	20.996	21.100	VV	9194	559242	9.16%	1.851%
291	21.151	21.100	21.208	VV	9541	586211	9.61%	1.940%
292	21.223	21.208	21.328	VV	8558	534243	8.75%	1.768%
293	21.371	21.328	21.421	VV	7627	379074	6.21%	1.254%
294	21.429	21.421	21.617	VV	6449	644499	10.56%	2.133%
295	21.635	21.617	21.661	VV	4465	116601	1.91%	0.386%
296	21.670	21.661	21.689	VV	4213	69011	1.13%	0.228%
297	21.728	21.689	21.791	VV	4200	239898	3.93%	0.794%
298	21.834	21.791	21.944	VV	4034	275349	4.51%	0.911%
299	22.038	21.944	22.074	VV	1992	140407	2.30%	0.465%

					rteres				
300	22.081	22.074	22.114	VV	1633	36218	0.59%	0.120%	
301	22.132	22.114	22.140	VV	1379	21175	0.35%	0.070%	
302	22.156	22.140	22.251	VV	1365	47084	0.77%	0.156%	
					Sum of corrected areas:	30219597			

Aliphatic EPH 062725.M Thu Jul 03 05:41:54 2025

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX4	SDG No.:	Q2480
Lab Sample ID:	Q2480-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.9
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 19:21	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.74		1	1.34	2.27	mg/kg	FE054675.D
Aliphatic C9-C28	Aliphatic C9-C28	3.42	J	1	1.03	4.55	mg/kg	FE054675.D
Total AliphaticEPH	Total AliphaticEPH	8.16			2.37	6.82	mg/kg	
Total EPH	Total EPH	8.16			2.37	6.82	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX4	SDG No.:	Q2480
Lab Sample ID:	Q2480-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054675.D	1	07/02/25	07/02/25	PB168702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.42	J	1.03	4.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.74		1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.5		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.1		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2480-04	Acq On:	02 Jul 2025 19:21
Client Sample ID:	GPX4	Operator:	YP\AJ
Data file:	FE054675.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.951	2407833	17.697	300	ug/ml
Aliphatic C12-C16	6.952	10.402	1279298	9.101	200	ug/ml
Aliphatic C16-C21	10.403	13.777	1338134	9.267	300	ug/ml
Aliphatic C21-C28	13.778	17.448	1325297	9.162	400	ug/ml
Aliphatic C28-C40	17.449	22.462	8684379	62.636	600	ug/ml
Aliphatic EPH	3.319	22.462	15034941	107.864		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	4885483	30.08		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	3849837	30.48		ug/ml
Aliphatic C9-C28	3.319	17.448	6350562	45.227	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
 Data File : FE054675.D
 Signal(s) : FID1B.ch
 Acq On : 02 Jul 2025 19:21
 Operator : YP\AJ
 Sample : Q2480-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 GPX4

Integration File: autoint1.e
 Quant Time: Jul 03 05:10:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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	4885483	30.084 ug/ml
Spiked Amount 50.000		Recovery =	60.17%
12) S 1-chlorooctadecane (S...	13.512	3849837	30.483 ug/ml
Spiked Amount 50.000		Recovery =	60.97%

Target Compounds

(f)=RT Delta > 1/2 Window

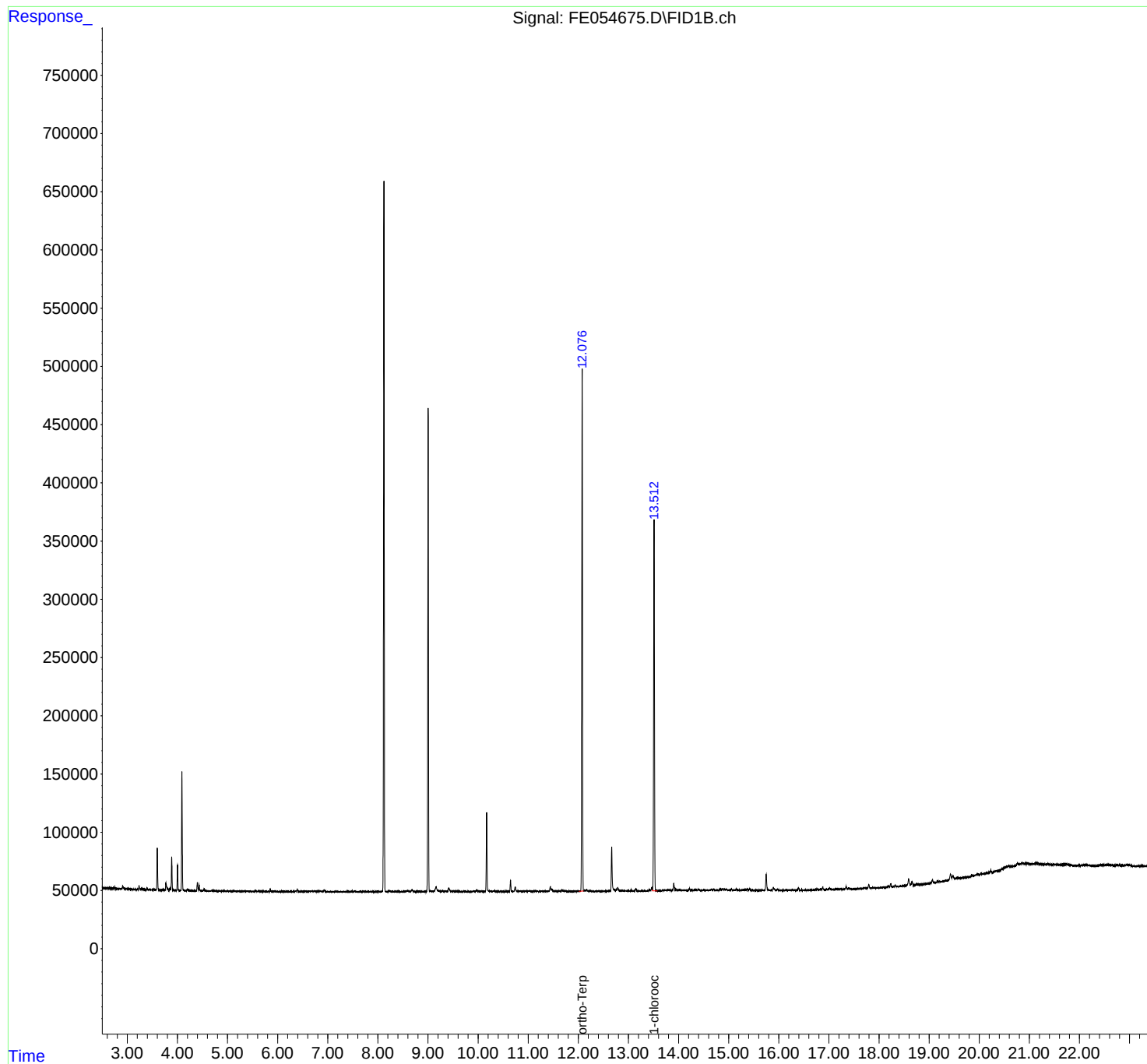
(m)=manual int.

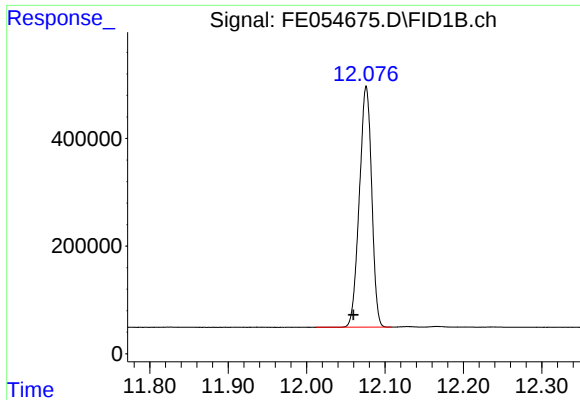
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
Data File : FE054675.D
Signal(s) : FID1B.ch
Acq On : 02 Jul 2025 19:21
Operator : YP\AJ
Sample : Q2480-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
GPX4

Integration File: autoint1.e
Quant Time: Jul 03 05:10:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

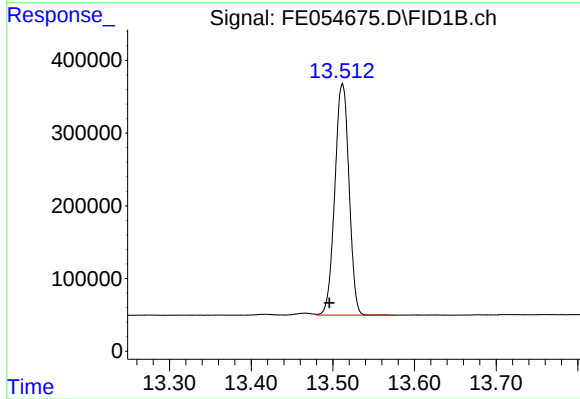




#9 ortho-Terphenyl (SURR)

R.T.: 12.076 min
Delta R.T.: 0.016 min
Response: 4885483
Conc: 30.08 ug/ml

Instrument :
FID_E
ClientSampleId :
GPX4



#12 1-chlorooctadecane (SURR)

R.T.: 13.512 min
Delta R.T.: 0.016 min
Response: 3849837
Conc: 30.48 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
 Data File : FE054675.D
 Signal(s) : FID1B.ch
 Acq On : 02 Jul 2025 19:21
 Sample : Q2480-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	2.846	2.805	2.878	BV	414	4786	0.10%	0.020%
2	2.881	2.878	2.890	VV	97	334	0.01%	0.001%
3	2.907	2.890	3.021	PV	2493	47610	0.97%	0.199%
4	3.032	3.021	3.085	VV	341	6641	0.14%	0.028%
5	3.105	3.085	3.199	PV	290	7514	0.15%	0.031%
6	3.235	3.199	3.262	VV	3352	36335	0.74%	0.152%
7	3.286	3.262	3.302	VV	650	11197	0.23%	0.047%
8	3.311	3.302	3.374	VV	473	8736	0.18%	0.037%
9	3.396	3.374	3.485	VV	1687	22687	0.46%	0.095%
10	3.501	3.485	3.511	VV	247	2527	0.05%	0.011%
11	3.528	3.511	3.578	VV	688	14218	0.29%	0.059%
12	3.598	3.578	3.679	VV	36241	334325	6.83%	1.398%
13	3.701	3.679	3.746	PV	712	11338	0.23%	0.047%
14	3.770	3.746	3.797	VV	6123	81798	1.67%	0.342%
15	3.806	3.797	3.838	VV	2114	25082	0.51%	0.105%
16	3.852	3.838	3.865	VV	1873	18584	0.38%	0.078%
17	3.886	3.865	3.961	VV	28439	267983	5.47%	1.121%
18	3.965	3.961	3.971	VV	32	134	0.00%	0.001%
19	4.002	3.971	4.057	PV	22000	197031	4.02%	0.824%
20	4.090	4.057	4.172	VV	100587	924646	18.88%	3.867%
21	4.197	4.172	4.238	VV	1431	19410	0.40%	0.081%
22	4.255	4.238	4.302	VV	407	7311	0.15%	0.031%
23	4.323	4.302	4.369	VV	181	3594	0.07%	0.015%
24	4.399	4.369	4.418	VV	7105	81387	1.66%	0.340%
25	4.434	4.418	4.488	VV	5089	52364	1.07%	0.219%
26	4.532	4.488	4.657	VV	2193	33833	0.69%	0.141%
27	4.692	4.657	4.707	VV	472	10222	0.21%	0.043%
28	4.718	4.707	4.726	VV	498	4623	0.09%	0.019%
29	4.739	4.726	4.761	VV	617	7784	0.16%	0.033%
30	4.773	4.761	4.815	VV	279	4404	0.09%	0.018%
31	4.844	4.815	4.885	PV	680	7751	0.16%	0.032%
32	4.897	4.885	4.934	PV	127	2074	0.04%	0.009%
33	4.954	4.934	4.978	VV	341	3876	0.08%	0.016%
34	4.995	4.978	5.028	PV	105	2032	0.04%	0.008%
35	5.047	5.028	5.059	VV	267	2653	0.05%	0.011%
36	5.066	5.059	5.085	VV	158	1571	0.03%	0.007%

					rteres			
37	5.106	5.085	5.187	VV	238	8116	0.17%	0.034%
38	5.205	5.187	5.243	VV	247	4622	0.09%	0.019%
39	5.255	5.243	5.262	VV	233	1746	0.04%	0.007%
40	5.268	5.262	5.275	VV	196	1336	0.03%	0.006%
41	5.288	5.275	5.375	VV	275	9589	0.20%	0.040%
42	5.393	5.375	5.424	VV	258	3726	0.08%	0.016%
43	5.434	5.424	5.455	VV	133	1220	0.02%	0.005%
44	5.464	5.455	5.516	VV	155	3111	0.06%	0.013%
45	5.525	5.516	5.532	PV	69	333	0.01%	0.001%
46	5.558	5.532	5.608	VV	868	12619	0.26%	0.053%
47	5.621	5.608	5.644	VV	374	4927	0.10%	0.021%
48	5.657	5.644	5.715	VV	216	3624	0.07%	0.015%
49	5.721	5.715	5.730	VV	84	449	0.01%	0.002%
50	5.739	5.730	5.756	VV	91	931	0.02%	0.004%
51	5.766	5.756	5.777	VV	120	830	0.02%	0.003%
52	5.816	5.777	5.831	PV	265	4967	0.10%	0.021%
53	5.852	5.831	5.905	VV	2564	26925	0.55%	0.113%
54	5.923	5.905	5.939	VV	415	4460	0.09%	0.019%
55	5.960	5.939	5.987	VV	243	3236	0.07%	0.014%
56	6.007	5.987	6.045	VV	173	2980	0.06%	0.012%
57	6.077	6.045	6.095	VV	171	3913	0.08%	0.016%
58	6.115	6.095	6.126	VV	227	3172	0.06%	0.013%
59	6.137	6.126	6.160	VV	203	2690	0.05%	0.011%
60	6.175	6.160	6.225	VV	148	3469	0.07%	0.015%
61	6.244	6.225	6.256	PV	287	2637	0.05%	0.011%
62	6.270	6.256	6.298	VV	182	2921	0.06%	0.012%
63	6.391	6.298	6.423	VV	2465	37075	0.76%	0.155%
64	6.443	6.423	6.471	VV	285	5758	0.12%	0.024%
65	6.490	6.471	6.529	VV	348	8199	0.17%	0.034%
66	6.560	6.529	6.600	VV	368	11305	0.23%	0.047%
67	6.641	6.600	6.668	VV	405	11700	0.24%	0.049%
68	6.687	6.668	6.722	VV	668	13247	0.27%	0.055%
69	6.741	6.722	6.781	VV	483	11924	0.24%	0.050%
70	6.789	6.781	6.798	VV	392	3217	0.07%	0.013%
71	6.802	6.798	6.815	VV	376	3317	0.07%	0.014%
72	6.850	6.815	6.905	VV	472	14507	0.30%	0.061%
73	6.927	6.905	6.988	VV	1802	23793	0.49%	0.100%
74	7.013	6.988	7.038	VV	137	2505	0.05%	0.010%
75	7.080	7.038	7.110	VV	115	2878	0.06%	0.012%
76	7.137	7.110	7.168	VV	169	3722	0.08%	0.016%
77	7.182	7.168	7.224	VV	236	3774	0.08%	0.016%
78	7.234	7.224	7.245	VV	77	785	0.02%	0.003%
79	7.249	7.245	7.281	VV	88	1188	0.02%	0.005%
80	7.313	7.281	7.348	PV	93	2858	0.06%	0.012%
81	7.410	7.348	7.470	VV	202	11443	0.23%	0.048%
82	7.490	7.470	7.520	VV	581	8830	0.18%	0.037%
83	7.537	7.520	7.608	VV	442	10590	0.22%	0.044%
84	7.632	7.608	7.685	VV	365	9227	0.19%	0.039%
85	7.716	7.685	7.787	VV	255	9613	0.20%	0.040%
86	7.796	7.787	7.836	VV	194	2726	0.06%	0.011%
87	7.861	7.836	7.905	VV	264	3472	0.07%	0.015%
88	7.944	7.905	7.958	PV	93	1727	0.04%	0.007%
89	7.963	7.958	7.998	VV	97	1149	0.02%	0.005%

					rteres			
90	8.021	7.998	8.043	VV	406	4560	0.09%	0.019%
91	8.055	8.043	8.072	VV	184	2340	0.05%	0.010%
92	8.230	8.180	8.251	VV	602	13829	0.28%	0.058%
93	8.262	8.251	8.288	VV	480	5624	0.11%	0.024%
94	8.294	8.288	8.328	VV	185	2797	0.06%	0.012%
95	8.340	8.328	8.352	VV	181	1962	0.04%	0.008%
96	8.372	8.352	8.401	VV	181	4018	0.08%	0.017%
97	8.426	8.401	8.450	VV	251	4944	0.10%	0.021%
98	8.461	8.450	8.484	VV	160	2386	0.05%	0.010%
99	8.585	8.484	8.641	VV	826	36741	0.75%	0.154%
100	8.683	8.641	8.764	VV	1643	43100	0.88%	0.180%
101	8.778	8.764	8.801	VV	247	4444	0.09%	0.019%
102	8.821	8.801	8.891	VV	396	11113	0.23%	0.046%
103	8.922	8.891	8.958	VV	178	4600	0.09%	0.019%
104	9.056	9.042	9.084	VV	552	11919	0.24%	0.050%
105	9.160	9.084	9.271	VV	4094	132496	2.71%	0.554%
106	9.297	9.271	9.331	VV	755	16499	0.34%	0.069%
107	9.417	9.331	9.497	VV	3117	79025	1.61%	0.330%
108	9.515	9.497	9.537	VV	513	9084	0.19%	0.038%
109	9.556	9.537	9.625	VV	386	11314	0.23%	0.047%
110	9.658	9.625	9.687	VV	252	5370	0.11%	0.022%
111	9.712	9.687	9.737	VV	399	6647	0.14%	0.028%
112	9.751	9.737	9.768	VV	137	1671	0.03%	0.007%
113	9.770	9.768	9.787	VV	160	738	0.02%	0.003%
114	9.825	9.787	9.854	VV	126	3171	0.06%	0.013%
115	9.900	9.854	9.921	VV	357	8278	0.17%	0.035%
116	9.972	9.921	10.065	VV	1492	43463	0.89%	0.182%
117	10.073	10.065	10.115	VV	288	5733	0.12%	0.024%
118	10.171	10.115	10.262	VV	67470	703168	14.36%	2.941%
119	10.324	10.262	10.353	VV	903	19146	0.39%	0.080%
120	10.366	10.353	10.387	VV	173	2631	0.05%	0.011%
121	10.407	10.387	10.428	VV	263	3800	0.08%	0.016%
122	10.470	10.428	10.491	VV	218	5532	0.11%	0.023%
123	10.511	10.491	10.541	VV	225	2931	0.06%	0.012%
124	10.554	10.541	10.613	VV	150	2375	0.05%	0.010%
125	10.647	10.613	10.677	PV	9786	101526	2.07%	0.425%
126	10.740	10.677	10.847	VV	3997	81495	1.66%	0.341%
127	10.858	10.847	10.896	VV	353	6882	0.14%	0.029%
128	10.909	10.896	10.917	VV	231	2402	0.05%	0.010%
129	10.949	10.917	10.977	VV	352	9759	0.20%	0.041%
130	10.996	10.977	11.018	VV	474	7551	0.15%	0.032%
131	11.034	11.018	11.062	VV	402	7680	0.16%	0.032%
132	11.070	11.062	11.090	VV	117	1856	0.04%	0.008%
133	11.105	11.090	11.113	VV	178	1807	0.04%	0.008%
134	11.145	11.113	11.178	VV	619	13417	0.27%	0.056%
135	11.188	11.178	11.214	VV	282	3790	0.08%	0.016%
136	11.236	11.214	11.252	VV	220	3416	0.07%	0.014%
137	11.270	11.252	11.285	VV	247	3463	0.07%	0.014%
138	11.302	11.285	11.312	VV	210	2822	0.06%	0.012%
139	11.327	11.312	11.339	VV	267	2573	0.05%	0.011%
140	11.359	11.339	11.375	VV	309	4098	0.08%	0.017%
141	11.389	11.375	11.397	VV	303	3240	0.07%	0.014%

					rteres			
142	11.441	11.397	11.458	VV	4105	58973	1.20%	0.247%
143	11.471	11.458	11.549	VV	2092	40225	0.82%	0.168%
144	11.563	11.549	11.624	VV	249	8335	0.17%	0.035%
145	11.635	11.624	11.646	VV	200	1859	0.04%	0.008%
146	11.679	11.646	11.706	VV	1472	22132	0.45%	0.093%
147	11.747	11.706	11.791	VV	481	12532	0.26%	0.052%
148	11.826	11.791	11.885	VV	357	7343	0.15%	0.031%
149	11.914	11.885	11.926	PV	170	2201	0.04%	0.009%
150	11.940	11.926	11.965	VV	143	2296	0.05%	0.010%
151	12.028	11.965	12.041	VV	165	4361	0.09%	0.018%
152	12.076	12.041	12.109	VV	445998	4896458	100.00%	20.478%
153	12.129	12.109	12.148	VV	1338	19173	0.39%	0.080%
154	12.167	12.148	12.191	VV	1516	22428	0.46%	0.094%
155	12.202	12.191	12.218	VV	510	6429	0.13%	0.027%
156	12.238	12.218	12.329	VV	609	10919	0.22%	0.046%
157	12.358	12.329	12.383	VV	143	1927	0.04%	0.008%
158	12.411	12.383	12.450	PV	492	9462	0.19%	0.040%
159	12.466	12.450	12.497	VV	192	3257	0.07%	0.014%
160	12.517	12.497	12.538	VV	292	4674	0.10%	0.020%
161	12.580	12.538	12.618	VV	292	10680	0.22%	0.045%
162	12.666	12.618	12.740	VV	37567	482800	9.86%	2.019%
163	12.756	12.740	12.767	VV	1279	18272	0.37%	0.076%
164	12.786	12.767	12.843	VV	3228	60898	1.24%	0.255%
165	12.874	12.843	12.891	VV	611	15764	0.32%	0.066%
166	12.903	12.891	12.938	VV	605	11261	0.23%	0.047%
167	12.949	12.938	12.967	VV	333	4946	0.10%	0.021%
168	13.002	12.967	13.032	VV	669	14161	0.29%	0.059%
169	13.060	13.032	13.082	VV	820	14075	0.29%	0.059%
170	13.091	13.082	13.109	VV	280	3730	0.08%	0.016%
171	13.150	13.109	13.175	VV	1771	31520	0.64%	0.132%
172	13.184	13.175	13.247	VV	290	7810	0.16%	0.033%
173	13.276	13.247	13.292	VV	273	5351	0.11%	0.022%
174	13.318	13.292	13.341	VV	364	6410	0.13%	0.027%
175	13.417	13.341	13.440	VV	1366	28374	0.58%	0.119%
176	13.466	13.440	13.480	VV	2999	41873	0.86%	0.175%
177	13.512	13.480	13.547	VV	318183	3856678	78.76%	16.129%
178	13.560	13.547	13.591	VV	499	9551	0.20%	0.040%
179	13.599	13.591	13.615	VV	366	4586	0.09%	0.019%
180	13.622	13.615	13.650	VV	400	6246	0.13%	0.026%
181	13.677	13.650	13.692	VV	613	10351	0.21%	0.043%
182	13.714	13.692	13.741	VV	837	20938	0.43%	0.088%
183	13.762	13.741	13.779	VV	883	17596	0.36%	0.074%
184	13.802	13.779	13.840	VV	842	25598	0.52%	0.107%
185	13.878	13.840	13.886	VV	1230	21194	0.43%	0.089%
186	13.905	13.886	13.995	VV	6556	122925	2.51%	0.514%
187	14.017	13.995	14.065	VV	1306	33124	0.68%	0.139%
188	14.075	14.065	14.104	VV	570	12566	0.26%	0.053%
189	14.122	14.104	14.151	VV	657	15329	0.31%	0.064%
190	14.166	14.151	14.178	VV	485	7012	0.14%	0.029%
191	14.215	14.178	14.243	VV	2135	36734	0.75%	0.154%
192	14.264	14.243	14.289	VV	874	17660	0.36%	0.074%
193	14.327	14.289	14.343	VV	795	21716	0.44%	0.091%
194	14.359	14.343	14.369	VV	734	10805	0.22%	0.045%

					rteres			
195	14.395	14.369	14.459	VV	1455	39719	0.81%	0.166%
196	14.492	14.459	14.559	VV	663	31487	0.64%	0.132%
197	14.580	14.559	14.606	VV	547	14044	0.29%	0.059%
198	14.655	14.606	14.680	VV	1308	33125	0.68%	0.139%
199	14.703	14.680	14.743	VV	1249	28005	0.57%	0.117%
200	14.766	14.743	14.805	VV	629	19732	0.40%	0.083%
201	14.838	14.805	14.871	VV	1351	37847	0.77%	0.158%
202	14.889	14.871	14.911	VV	1915	30557	0.62%	0.128%
203	14.930	14.911	14.940	VV	1268	18814	0.38%	0.079%
204	14.952	14.940	15.033	VV	1318	38822	0.79%	0.162%
205	15.053	15.033	15.095	VV	1176	24500	0.50%	0.102%
206	15.105	15.095	15.117	VV	492	5739	0.12%	0.024%
207	15.149	15.117	15.193	VV	1693	34142	0.70%	0.143%
208	15.215	15.193	15.252	VV	596	14108	0.29%	0.059%
209	15.265	15.252	15.285	VV	427	6937	0.14%	0.029%
210	15.292	15.285	15.300	VV	360	3091	0.06%	0.013%
211	15.330	15.300	15.348	VV	1134	21236	0.43%	0.089%
212	15.369	15.348	15.392	VV	1495	24467	0.50%	0.102%
213	15.417	15.392	15.448	VV	1645	25649	0.52%	0.107%
214	15.468	15.448	15.528	VV	347	10662	0.22%	0.045%
215	15.547	15.528	15.598	VV	284	6991	0.14%	0.029%
216	15.626	15.598	15.649	VV	200	3905	0.08%	0.016%
217	15.672	15.649	15.688	VV	258	4048	0.08%	0.017%
218	15.748	15.688	15.835	VV	13998	204931	4.19%	0.857%
219	15.846	15.835	15.861	VV	220	2842	0.06%	0.012%
220	15.892	15.861	15.938	VV	2098	42048	0.86%	0.176%
221	15.946	15.938	15.951	VV	218	1331	0.03%	0.006%
222	15.974	15.951	16.082	VV	1016	23795	0.49%	0.100%
223	16.106	16.082	16.115	PV	85	651	0.01%	0.003%
224	16.154	16.115	16.200	VV	299	6375	0.13%	0.027%
225	16.215	16.200	16.232	VV	137	1655	0.03%	0.007%
226	16.267	16.232	16.303	VV	471	8023	0.16%	0.034%
227	16.317	16.303	16.331	VV	124	1293	0.03%	0.005%
228	16.354	16.331	16.365	VV	124	1678	0.03%	0.007%
229	16.394	16.365	16.433	VV	2241	29620	0.60%	0.124%
230	16.452	16.433	16.496	VV	200	4017	0.08%	0.017%
231	16.506	16.496	16.510	PV	74	508	0.01%	0.002%
232	16.527	16.510	16.550	VV	136	1743	0.04%	0.007%
233	16.583	16.550	16.664	VV	183	3517	0.07%	0.015%
234	16.705	16.664	16.717	PV	213	3107	0.06%	0.013%
235	16.733	16.717	16.743	VV	453	5010	0.10%	0.021%
236	16.763	16.743	16.799	VV	1074	17914	0.37%	0.075%
237	16.842	16.799	16.851	VV	358	7386	0.15%	0.031%
238	16.877	16.851	16.933	VV	2557	37964	0.78%	0.159%
239	16.957	16.933	16.983	VV	378	6746	0.14%	0.028%
240	17.011	16.983	17.065	VV	1136	21704	0.44%	0.091%
241	17.078	17.065	17.098	VV	193	2722	0.06%	0.011%
242	17.128	17.098	17.162	VV	296	7461	0.15%	0.031%
243	17.171	17.162	17.208	VV	237	4734	0.10%	0.020%
244	17.250	17.208	17.265	VV	287	6443	0.13%	0.027%
245	17.345	17.265	17.372	VV	2678	44130	0.90%	0.185%
246	17.397	17.372	17.442	VV	1406	23659	0.48%	0.099%

					rteres			
247	17.452	17.442	17.475	VV	115	1311	0.03%	0.005%
248	17.490	17.475	17.508	VV	142	1658	0.03%	0.007%
249	17.519	17.508	17.524	PV	41	223	0.00%	0.001%
250	17.569	17.524	17.588	PV	118	2516	0.05%	0.011%
251	17.636	17.588	17.675	PV	173	5283	0.11%	0.022%
252	17.706	17.675	17.745	VV	666	15102	0.31%	0.063%
253	17.796	17.745	17.833	VV	3428	53677	1.10%	0.224%
254	17.882	17.833	17.930	VV	460	12611	0.26%	0.053%
255	17.938	17.930	17.944	VV	128	980	0.02%	0.004%
256	17.975	17.944	17.994	VV	199	3985	0.08%	0.017%
257	18.030	17.994	18.053	VV	210	5153	0.11%	0.022%
258	18.078	18.053	18.122	PV	260	5936	0.12%	0.025%
259	18.132	18.122	18.138	PV	61	501	0.01%	0.002%
260	18.190	18.138	18.208	VV	1097	19260	0.39%	0.081%
261	18.234	18.208	18.266	VV	2863	43683	0.89%	0.183%
262	18.282	18.266	18.297	VV	286	3533	0.07%	0.015%
263	18.324	18.297	18.354	VV	1422	20972	0.43%	0.088%
264	18.369	18.354	18.381	VV	102	1250	0.03%	0.005%
265	18.476	18.381	18.498	PV	480	9909	0.20%	0.041%
266	18.511	18.498	18.534	VV	230	3105	0.06%	0.013%
267	18.591	18.534	18.633	VV	5918	115741	2.36%	0.484%
268	18.659	18.633	18.698	VV	3228	51573	1.05%	0.216%
269	18.752	18.698	18.775	VV	666	11066	0.23%	0.046%
270	18.802	18.775	18.811	VV	106	1563	0.03%	0.007%
271	19.067	18.811	19.121	PV	3130	81112	1.66%	0.339%
272	19.172	19.121	19.209	VV	1302	42776	0.87%	0.179%
273	19.426	19.209	19.449	VV	6242	225941	4.61%	0.945%
274	19.476	19.449	19.514	VV	4540	130775	2.67%	0.547%
275	19.549	19.514	19.559	VV	2409	58300	1.19%	0.244%
276	19.565	19.559	19.593	VV	2310	44244	0.90%	0.185%
277	19.643	19.593	19.646	VV	2055	64630	1.32%	0.270%
278	19.667	19.646	19.695	VV	2295	59800	1.22%	0.250%
279	19.719	19.695	19.740	VV	2129	54299	1.11%	0.227%
280	19.853	19.740	19.885	VV	3985	216142	4.41%	0.904%
281	19.960	19.885	19.991	VV	3990	204862	4.18%	0.857%
282	20.035	19.991	20.065	VV	3868	152312	3.11%	0.637%
283	20.144	20.065	20.168	VV	4018	231318	4.72%	0.967%
284	20.198	20.168	20.207	VV	4345	95044	1.94%	0.397%
285	20.231	20.207	20.259	VV	5572	146779	3.00%	0.614%
286	20.458	20.259	20.470	VV	6360	616627	12.59%	2.579%
287	20.593	20.470	20.628	VV	8137	692527	14.14%	2.896%
288	20.764	20.628	20.807	VV	9561	856497	17.49%	3.582%
289	20.858	20.807	20.895	VV	9079	462308	9.44%	1.933%
290	20.958	20.895	21.014	VV	8691	596526	12.18%	2.495%
291	21.133	21.014	21.140	VV	7833	577366	11.79%	2.415%
292	21.151	21.140	21.201	VV	7803	273185	5.58%	1.142%
293	21.209	21.201	21.242	VV	6931	165797	3.39%	0.693%
294	21.252	21.242	21.291	VV	6505	187418	3.83%	0.784%
295	21.302	21.291	21.315	VV	6127	85413	1.74%	0.357%
296	21.321	21.315	21.343	VV	6074	102938	2.10%	0.431%
297	21.372	21.343	21.443	VV	6249	344183	7.03%	1.439%
298	21.492	21.443	21.591	VV	5209	435169	8.89%	1.820%
299	21.739	21.591	21.881	VV	4332	664179	13.56%	2.778%

					rteres			
300	21.900	21.881	21.908	VV	2365	38196	0.78%	0.160%
301	21.915	21.908	21.935	VV	2347	34058	0.70%	0.142%
302	21.981	21.935	22.005	VV	2143	87555	1.79%	0.366%
303	22.130	22.005	22.259	VV	1995	250539	5.12%	1.048%
304	22.266	22.259	22.326	VV	658	14973	0.31%	0.063%
					Sum of corrected areas:	23911235		

Aliphatic EPH 062725.M Thu Jul 03 05:42:28 2025

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX5	SDG No.:	Q2480
Lab Sample ID:	Q2480-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 19:52	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.32		1	1.32	2.23	mg/kg	FE054676.D
Aliphatic C9-C28	Aliphatic C9-C28	104		2	2.03	8.92	mg/kg	FE054698.D
Total AliphaticEPH	Total AliphaticEPH	110			3.35	11.2	mg/kg	
Total EPH	Total EPH	110			3.35	11.2	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental		Date Collected:	07/01/25	
Project:	Lexington		Date Received:	07/01/25	
Client Sample ID:	GPX5		SDG No.:	Q2480	
Lab Sample ID:	Q2480-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.5	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054676.D	1	07/02/25	07/02/25	PB168702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	108	E	1.01	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.32		1.32	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.2		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.5		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2480-05	Acq On:	02 Jul 2025 19:52
Client Sample ID:	GPX5	Operator:	YP\AJ
Data file:	FE054676.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	3.319	6.951	151235142	1110	300	ug/ml
Aliphatic C12-C16	6.952	10.402	34343390	244.318	200	ug/ml
Aliphatic C16-C21	10.403	13.777	9544885	66.103	300	ug/ml
Aliphatic C21-C28	13.778	17.448	5145564	35.572	400	ug/ml
Aliphatic C28-C40	17.449	22.462	11779612	84.961	600	ug/ml
Aliphatic EPH	3.319	22.462	212048593	1540		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	4460911	27.47		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	3561608	28.2		ug/ml
Aliphatic C9-C28	3.319	17.448	200268981	1460	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
 Data File : FE054676.D
 Signal(s) : FID1B.ch
 Acq On : 02 Jul 2025 19:52
 Operator : YP\AJ
 Sample : Q2480-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 GPX5

Integration File: autoint1.e
 Quant Time: Jul 03 05:11:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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	4460911	27.470 ug/ml
Spiked Amount 50.000		Recovery =	54.94%
12) S 1-chlorooctadecane (S...	13.512	3561608	28.201 ug/ml
Spiked Amount 50.000		Recovery =	56.40%

Target Compounds

(f)=RT Delta > 1/2 Window

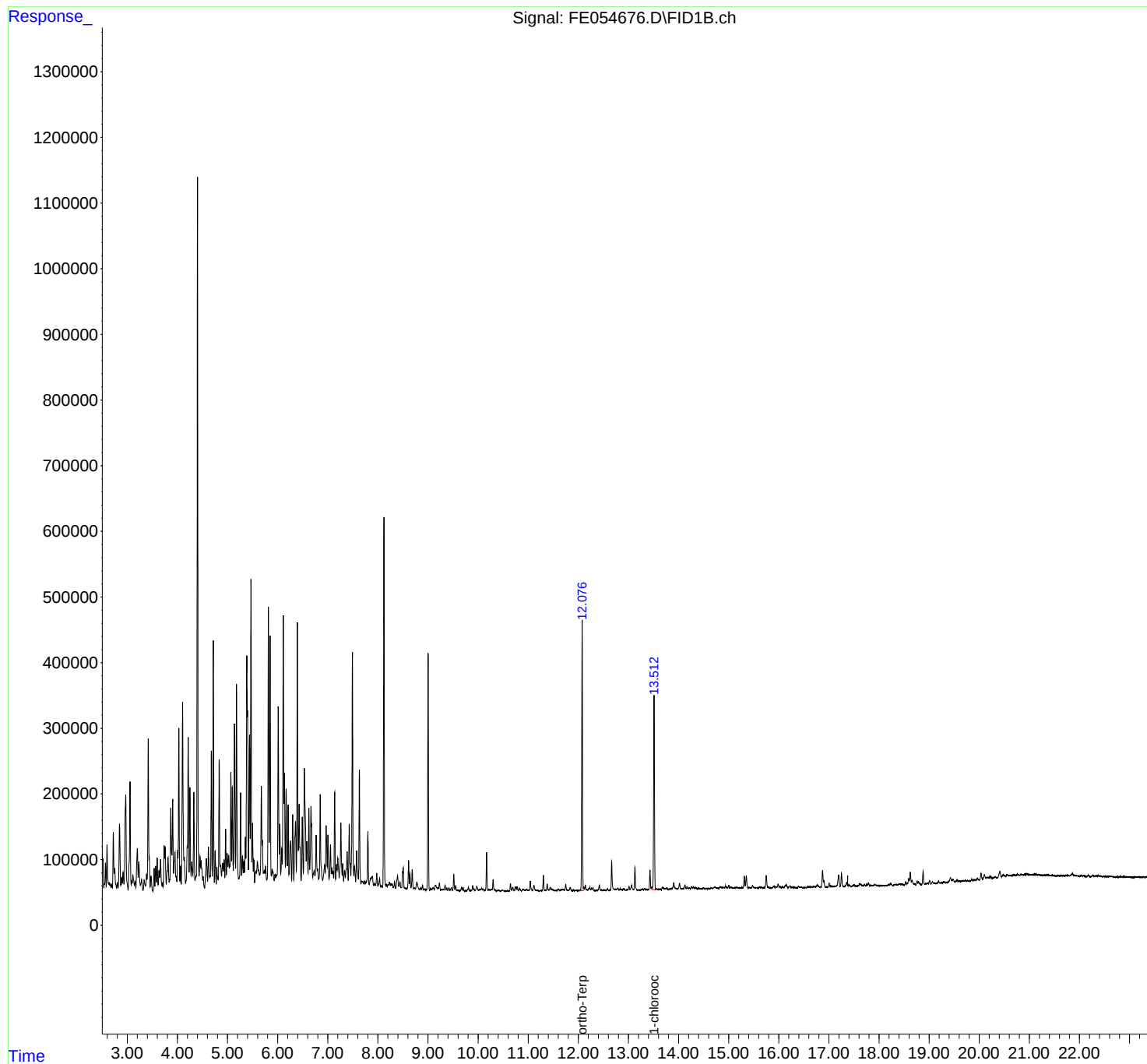
(m)=manual int.

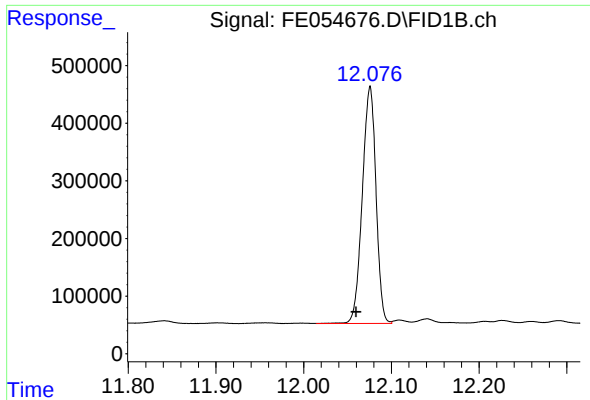
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
Data File : FE054676.D
Signal(s) : FID1B.ch
Acq On : 02 Jul 2025 19:52
Operator : YP\AJ
Sample : Q2480-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
GPX5

Integration File: autoint1.e
Quant Time: Jul 03 05:11:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

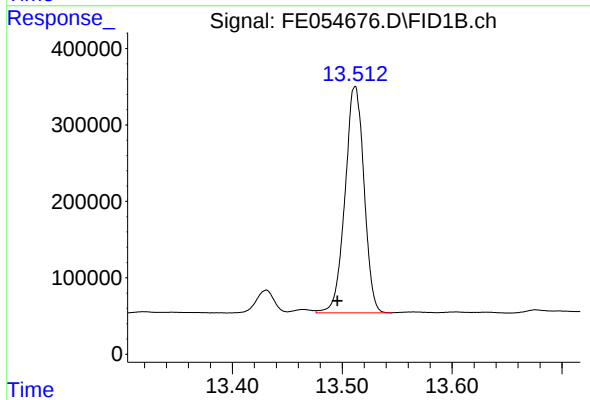




#9 ortho-Terphenyl (SURR)

R.T.: 12.076 min
Delta R.T.: 0.016 min
Response: 4460911
Conc: 27.47 ug/ml

Instrument :
FID_E
ClientSampleId :
GPX5



#12 1-chlorooctadecane (SURR)

R.T.: 13.512 min
Delta R.T.: 0.016 min
Response: 3561608
Conc: 28.20 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
 Data File : FE054676.D
 Signal(s) : FID1B.ch
 Acq On : 02 Jul 2025 19:52
 Sample : Q2480-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	2.845	2.805	2.870	BV	92819	1152850	10.32%	0.514%
2	2.886	2.870	2.900	VV	12760	161217	1.44%	0.072%
3	2.916	2.900	2.933	VV	22336	258099	2.31%	0.115%
4	2.967	2.933	3.015	VV	142551	2414765	21.61%	1.077%
5	3.054	3.015	3.078	PV	164789	2035356	18.21%	0.907%
6	3.112	3.078	3.141	VV	22788	531247	4.75%	0.237%
7	3.156	3.141	3.170	VV	12501	158190	1.42%	0.071%
8	3.200	3.170	3.218	VV	63741	1031728	9.23%	0.460%
9	3.231	3.218	3.261	VV	43274	650328	5.82%	0.290%
10	3.285	3.261	3.314	VV	16320	277126	2.48%	0.124%
11	3.337	3.314	3.362	VV	15903	252378	2.26%	0.113%
12	3.384	3.362	3.394	VV	24585	308102	2.76%	0.137%
13	3.418	3.394	3.457	VV	231944	2963644	26.52%	1.321%
14	3.474	3.457	3.510	VV	22230	328359	2.94%	0.146%
15	3.535	3.510	3.550	PV	34871	356332	3.19%	0.159%
16	3.566	3.550	3.581	VV	37889	437360	3.91%	0.195%
17	3.597	3.581	3.616	VV	50749	578063	5.17%	0.258%
18	3.633	3.616	3.646	VV	30947	401468	3.59%	0.179%
19	3.664	3.646	3.694	VV	48439	739428	6.62%	0.330%
20	3.705	3.694	3.718	VV	12509	137664	1.23%	0.061%
21	3.736	3.718	3.778	VV	68076	1544360	13.82%	0.689%
22	3.813	3.778	3.836	VV	51123	1026636	9.19%	0.458%
23	3.868	3.836	3.891	VV	126255	1907686	17.07%	0.851%
24	3.906	3.891	3.924	VV	138834	1618013	14.48%	0.721%
25	3.951	3.924	3.988	VV	58674	1353284	12.11%	0.603%
26	4.029	3.988	4.049	VV	246797	3211873	28.74%	1.432%
27	4.062	4.049	4.076	VV	37510	418828	3.75%	0.187%
28	4.104	4.076	4.164	VV	287992	4714184	42.18%	2.102%
29	4.215	4.164	4.233	VV	233151	3313461	29.65%	1.477%
30	4.249	4.233	4.273	VV	155661	1856666	16.61%	0.828%
31	4.287	4.273	4.307	VV	44252	698795	6.25%	0.312%
32	4.328	4.307	4.352	VV	150868	1869370	16.73%	0.833%
33	4.401	4.352	4.434	VV	1087599	11176292	100.00%	4.983%
34	4.451	4.434	4.462	VV	53061	689892	6.17%	0.308%
35	4.471	4.462	4.505	VV	46495	858392	7.68%	0.383%
36	4.514	4.505	4.540	VV	22107	291736	2.61%	0.130%

rteres								
37	4.577	4.540	4.601	VV	49611	1025024	9.17%	0.457%
38	4.619	4.601	4.655	VV	67053	1101970	9.86%	0.491%
39	4.677	4.655	4.696	VV	213471	2335885	20.90%	1.041%
40	4.716	4.696	4.737	VV	380449	3854646	34.49%	1.719%
41	4.753	4.737	4.773	VV	60909	749108	6.70%	0.334%
42	4.789	4.773	4.813	VV	36620	555131	4.97%	0.247%
43	4.834	4.813	4.880	VV	199211	2689085	24.06%	1.199%
44	4.900	4.880	4.914	VV	42862	718329	6.43%	0.320%
45	4.930	4.914	4.945	VV	48076	693566	6.21%	0.309%
46	4.962	4.945	4.978	VV	94124	1052333	9.42%	0.469%
47	4.993	4.978	5.008	VV	56868	835276	7.47%	0.372%
48	5.022	5.008	5.051	VV	54323	1099355	9.84%	0.490%
49	5.066	5.051	5.082	VV	179636	1909585	17.09%	0.851%
50	5.096	5.082	5.115	VV	157879	1857023	16.62%	0.828%
51	5.138	5.115	5.160	VV	255143	3485621	31.19%	1.554%
52	5.178	5.160	5.225	VV	312890	4008035	35.86%	1.787%
53	5.260	5.225	5.279	VV	150510	1900622	17.01%	0.847%
54	5.296	5.279	5.312	VV	53273	782530	7.00%	0.349%
55	5.325	5.312	5.338	VV	45328	552720	4.95%	0.246%
56	5.355	5.338	5.365	VV	82036	951536	8.51%	0.424%
57	5.385	5.365	5.417	VV	355772	6220196	55.66%	2.773%
58	5.438	5.417	5.451	VV	238030	2897913	25.93%	1.292%
59	5.468	5.451	5.486	VV	477225	4862326	43.51%	2.168%
60	5.497	5.486	5.514	VV	103024	1173576	10.50%	0.523%
61	5.524	5.514	5.541	VV	48125	517264	4.63%	0.231%
62	5.567	5.541	5.578	VV	30490	574184	5.14%	0.256%
63	5.596	5.578	5.638	VV	44979	1215170	10.87%	0.542%
64	5.675	5.638	5.728	VV	159082	3298575	29.51%	1.471%
65	5.739	5.728	5.749	VV	32321	372736	3.34%	0.166%
66	5.761	5.749	5.780	VV	37706	527592	4.72%	0.235%
67	5.815	5.780	5.832	VV	430971	4797532	42.93%	2.139%
68	5.849	5.832	5.875	VV	386814	4235500	37.90%	1.888%
69	5.892	5.875	5.930	VV	33639	864086	7.73%	0.385%
70	5.948	5.930	5.961	VV	25495	399908	3.58%	0.178%
71	6.012	5.961	6.033	VV	280788	3849265	34.44%	1.716%
72	6.044	6.033	6.062	VV	102604	1145308	10.25%	0.511%
73	6.082	6.062	6.092	VV	65371	838461	7.50%	0.374%
74	6.112	6.092	6.154	VV	419488	6555337	58.65%	2.923%
75	6.169	6.154	6.195	VV	154650	1932105	17.29%	0.861%
76	6.209	6.195	6.227	VV	129950	1430312	12.80%	0.638%
77	6.253	6.227	6.278	VV	76659	1609434	14.40%	0.718%
78	6.300	6.278	6.322	VV	116409	1656127	14.82%	0.738%
79	6.356	6.322	6.373	VV	106250	2123820	19.00%	0.947%
80	6.393	6.373	6.413	VV	404253	4349843	38.92%	1.939%
81	6.429	6.413	6.469	VV	131311	2365693	21.17%	1.055%
82	6.492	6.469	6.513	VV	112930	1592475	14.25%	0.710%
83	6.534	6.513	6.570	VV	183915	3661564	32.76%	1.632%
84	6.582	6.570	6.607	VV	75696	1219339	10.91%	0.544%
85	6.623	6.607	6.641	VV	126377	1447515	12.95%	0.645%
86	6.666	6.641	6.701	VV	129011	2589720	23.17%	1.155%
87	6.728	6.701	6.744	VV	31470	701259	6.27%	0.313%
88	6.769	6.744	6.818	VV	85479	1780845	15.93%	0.794%
89	6.850	6.818	6.898	VV	146891	2332166	20.87%	1.040%

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90	6.938	6.898	6.950	VV	39471	888350	7.95%	0.396%
91	6.969	6.950	6.990	VV	99794	1577260	14.11%	0.703%
92	7.004	6.990	7.027	VV	85508	1110139	9.93%	0.495%
93	7.055	7.027	7.072	VV	70506	1115547	9.98%	0.497%
94	7.081	7.072	7.094	VV	35213	405462	3.63%	0.181%
95	7.104	7.094	7.117	VV	30907	386215	3.46%	0.172%
96	7.138	7.117	7.159	VV	150736	1751581	15.67%	0.781%
97	7.176	7.159	7.187	VV	40261	534273	4.78%	0.238%
98	7.201	7.187	7.228	VV	50528	914261	8.18%	0.408%
99	7.262	7.228	7.287	VV	103644	1793615	16.05%	0.800%
100	7.300	7.287	7.317	VV	42010	522832	4.68%	0.233%
101	7.337	7.317	7.354	VV	31669	555594	4.97%	0.248%
102	7.387	7.354	7.408	VV	60255	1207836	10.81%	0.538%
103	7.429	7.408	7.460	VV	103061	1630767	14.59%	0.727%
104	7.492	7.460	7.520	VV	361873	4480176	40.09%	1.997%
105	7.535	7.520	7.556	VV	37834	620964	5.56%	0.277%
106	7.577	7.556	7.610	VV	60755	1125926	10.07%	0.502%
107	7.631	7.610	7.663	VV	184235	2108676	18.87%	0.940%
108	7.679	7.663	7.691	VV	15775	233732	2.09%	0.104%
109	7.700	7.691	7.718	VV	15006	227591	2.04%	0.101%
110	7.734	7.718	7.750	VV	16001	254442	2.28%	0.113%
111	7.763	7.750	7.769	VV	13828	146506	1.31%	0.065%
112	7.801	7.769	7.828	VV	91270	1240018	11.10%	0.553%
113	7.859	7.828	7.867	VV	19890	379872	3.40%	0.169%
114	7.888	7.867	7.915	VV	22636	516154	4.62%	0.230%
115	7.928	7.915	7.952	VV	11000	221373	1.98%	0.099%
116	7.978	7.952	8.003	VV	26894	471559	4.22%	0.210%
117	8.034	8.003	8.054	VV	20088	385723	3.45%	0.172%
118	8.066	8.054	8.088	VV	8328	151450	1.36%	0.068%
119	8.172	8.159	8.187	VV	10445	143938	1.29%	0.064%
120	8.202	8.187	8.211	VV	10309	131273	1.17%	0.059%
121	8.232	8.211	8.250	VV	13846	257541	2.30%	0.115%
122	8.265	8.250	8.278	VV	11412	172489	1.54%	0.077%
123	8.287	8.278	8.311	VV	11071	165956	1.48%	0.074%
124	8.332	8.311	8.352	VV	14743	222704	1.99%	0.099%
125	8.392	8.352	8.418	VV	24159	537356	4.81%	0.240%
126	8.439	8.418	8.470	VV	13966	283214	2.53%	0.126%
127	8.505	8.470	8.580	VV	35768	811095	7.26%	0.362%
128	8.613	8.580	8.629	VV	46752	586472	5.25%	0.261%
129	8.640	8.629	8.660	VV	26798	296476	2.65%	0.132%
130	8.685	8.660	8.712	VV	32921	441564	3.95%	0.197%
131	8.731	8.712	8.747	VV	5632	92926	0.83%	0.041%
132	8.777	8.747	8.841	VV	14122	385016	3.44%	0.172%
133	8.856	8.841	8.872	VV	5810	77592	0.69%	0.035%
134	8.891	8.872	8.925	VV	9686	151293	1.35%	0.067%
135	8.940	8.925	8.955	VV	3746	48999	0.44%	0.022%
136	9.065	9.033	9.081	VV	3910	86314	0.77%	0.038%
137	9.101	9.081	9.125	VV	6094	110874	0.99%	0.049%
138	9.150	9.125	9.192	VV	9149	250349	2.24%	0.112%
139	9.227	9.192	9.252	VV	12583	233686	2.09%	0.104%
140	9.283	9.252	9.301	VV	3462	76542	0.68%	0.034%
141	9.312	9.301	9.320	VV	2612	27186	0.24%	0.012%

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142	9.341	9.320	9.360	VV	9569	123397	1.10%	0.055%
143	9.375	9.360	9.394	VV	5402	66970	0.60%	0.030%
144	9.415	9.394	9.441	VV	5347	92245	0.83%	0.041%
145	9.467	9.441	9.484	VV	5831	87255	0.78%	0.039%
146	9.515	9.484	9.536	VV	25424	316629	2.83%	0.141%
147	9.553	9.536	9.589	VV	8503	122468	1.10%	0.055%
148	9.605	9.589	9.630	VV	1395	27580	0.25%	0.012%
149	9.670	9.630	9.687	VV	6477	88424	0.79%	0.039%
150	9.702	9.687	9.737	VV	6018	75141	0.67%	0.034%
151	9.754	9.737	9.768	VV	1129	14254	0.13%	0.006%
152	9.808	9.768	9.834	VV	6173	109600	0.98%	0.049%
153	9.848	9.834	9.862	VV	1456	18501	0.17%	0.008%
154	9.892	9.862	9.945	VV	8587	164037	1.47%	0.073%
155	9.973	9.945	10.004	VV	7715	150161	1.34%	0.067%
156	10.022	10.004	10.031	VV	2766	36495	0.33%	0.016%
157	10.044	10.031	10.057	VV	3013	40964	0.37%	0.018%
158	10.073	10.057	10.088	VV	4577	63097	0.56%	0.028%
159	10.099	10.088	10.123	VV	3320	50968	0.46%	0.023%
160	10.170	10.123	10.198	VV	57802	649933	5.82%	0.290%
161	10.216	10.198	10.236	VV	2891	51437	0.46%	0.023%
162	10.265	10.236	10.281	VV	3059	67256	0.60%	0.030%
163	10.300	10.281	10.358	VV	17663	245927	2.20%	0.110%
164	10.370	10.358	10.392	VV	1107	20252	0.18%	0.009%
165	10.413	10.392	10.442	VV	1582	29361	0.26%	0.013%
166	10.481	10.442	10.521	VV	2212	50823	0.45%	0.023%
167	10.536	10.521	10.560	VV	514	7625	0.07%	0.003%
168	10.581	10.560	10.601	PV	1056	13038	0.12%	0.006%
169	10.613	10.601	10.617	VV	391	3025	0.03%	0.001%
170	10.646	10.617	10.670	VV	11409	140957	1.26%	0.063%
171	10.691	10.670	10.716	VV	6158	92414	0.83%	0.041%
172	10.745	10.716	10.762	VV	7001	113151	1.01%	0.050%
173	10.777	10.762	10.805	VV	6959	103534	0.93%	0.046%
174	10.822	10.805	10.867	VV	5007	92165	0.82%	0.041%
175	10.896	10.867	10.931	VV	3578	76779	0.69%	0.034%
176	10.966	10.931	11.008	VV	3075	86373	0.77%	0.039%
177	11.042	11.008	11.082	VV	15431	227311	2.03%	0.101%
178	11.114	11.082	11.215	VV	8337	197583	1.77%	0.088%
179	11.269	11.215	11.276	VV	955	22157	0.20%	0.010%
180	11.303	11.276	11.337	VV	24368	270030	2.42%	0.120%
181	11.379	11.337	11.416	VV	10557	166898	1.49%	0.074%
182	11.439	11.416	11.458	VV	5674	85640	0.77%	0.038%
183	11.470	11.458	11.537	VV	2809	77760	0.70%	0.035%
184	11.553	11.537	11.569	VV	1006	15198	0.14%	0.007%
185	11.608	11.569	11.633	VV	2654	61981	0.55%	0.028%
186	11.696	11.633	11.716	VV	2397	85332	0.76%	0.038%
187	11.748	11.716	11.807	VV	10154	167396	1.50%	0.075%
188	11.841	11.807	11.877	VV	4971	88818	0.79%	0.040%
189	11.903	11.877	11.928	VV	1372	19056	0.17%	0.008%
190	11.955	11.928	11.978	PV	1358	23943	0.21%	0.011%
191	11.998	11.978	12.015	VV	733	9638	0.09%	0.004%
192	12.075	12.015	12.123	VV	407304	4528715	40.52%	2.019%
193	12.140	12.123	12.187	VV	8264	123365	1.10%	0.055%
194	12.227	12.187	12.245	VV	5238	106226	0.95%	0.047%

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195	12.260	12.245	12.273	VV	3491	41951	0.38%	0.019%
196	12.291	12.273	12.341	VV	4780	66828	0.60%	0.030%
197	12.359	12.341	12.373	PV	388	4220	0.04%	0.002%
198	12.420	12.373	12.456	VV	8014	129531	1.16%	0.058%
199	12.466	12.456	12.488	VV	602	10326	0.09%	0.005%
200	12.499	12.488	12.520	VV	898	12464	0.11%	0.006%
201	12.532	12.520	12.561	VV	694	14155	0.13%	0.006%
202	12.582	12.561	12.603	VV	2677	32437	0.29%	0.014%
203	12.614	12.603	12.626	VV	509	6058	0.05%	0.003%
204	12.665	12.626	12.744	VV	44207	579060	5.18%	0.258%
205	12.788	12.744	12.818	VV	3577	81210	0.73%	0.036%
206	12.834	12.818	12.877	VV	2110	45236	0.40%	0.020%
207	12.903	12.877	12.941	VV	2758	53331	0.48%	0.024%
208	12.982	12.941	12.990	VV	1391	22389	0.20%	0.010%
209	13.013	12.990	13.032	VV	5322	72647	0.65%	0.032%
210	13.062	13.032	13.102	VV	7408	139330	1.25%	0.062%
211	13.130	13.102	13.175	VV	34461	408349	3.65%	0.182%
212	13.187	13.175	13.201	VV	281	2904	0.03%	0.001%
213	13.224	13.201	13.241	VV	387	6132	0.05%	0.003%
214	13.287	13.241	13.302	VV	1310	33369	0.30%	0.015%
215	13.319	13.302	13.335	VV	2066	26983	0.24%	0.012%
216	13.346	13.335	13.395	VV	1409	32203	0.29%	0.014%
217	13.431	13.395	13.451	VV	30406	349043	3.12%	0.156%
218	13.465	13.451	13.476	VV	4842	55835	0.50%	0.025%
219	13.512	13.476	13.545	VV	296967	3578851	32.02%	1.596%
220	13.564	13.545	13.586	VV	1518	25837	0.23%	0.012%
221	13.603	13.586	13.619	VV	1568	20608	0.18%	0.009%
222	13.631	13.619	13.652	VV	1125	13652	0.12%	0.006%
223	13.677	13.652	13.737	PV	4096	108225	0.97%	0.048%
224	13.762	13.737	13.807	VV	2700	64280	0.58%	0.029%
225	13.827	13.807	13.841	VV	1908	28000	0.25%	0.012%
226	13.857	13.841	13.867	VV	1587	21382	0.19%	0.010%
227	13.904	13.867	13.970	VV	10409	223402	2.00%	0.100%
228	14.020	13.970	14.055	VV	9342	172565	1.54%	0.077%
229	14.092	14.055	14.103	VV	1608	37693	0.34%	0.017%
230	14.128	14.103	14.151	VV	6818	103910	0.93%	0.046%
231	14.169	14.151	14.195	VV	4302	64637	0.58%	0.029%
232	14.215	14.195	14.236	VV	2730	46045	0.41%	0.021%
233	14.264	14.236	14.284	VV	4248	76963	0.69%	0.034%
234	14.299	14.284	14.321	VV	3949	60488	0.54%	0.027%
235	14.341	14.321	14.375	VV	3343	60936	0.55%	0.027%
236	14.398	14.375	14.438	VV	1845	44750	0.40%	0.020%
237	14.498	14.438	14.529	VV	1915	63265	0.57%	0.028%
238	14.537	14.529	14.579	VV	1042	26947	0.24%	0.012%
239	14.605	14.579	14.618	VV	1087	20010	0.18%	0.009%
240	14.656	14.618	14.681	VV	2160	49987	0.45%	0.022%
241	14.726	14.681	14.749	VV	2676	85797	0.77%	0.038%
242	14.759	14.749	14.801	VV	1778	46173	0.41%	0.021%
243	14.830	14.801	14.876	VV	3557	104037	0.93%	0.046%
244	14.892	14.876	14.911	VV	2495	43661	0.39%	0.019%
245	14.937	14.911	14.979	VV	4283	104569	0.94%	0.047%
246	15.001	14.979	15.022	VV	6003	84903	0.76%	0.038%

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247	15.059	15.022	15.089	VV	2387	75920	0.68%	0.034%
248	15.097	15.089	15.105	VV	1191	10793	0.10%	0.005%
249	15.149	15.105	15.169	VV	2447	64865	0.58%	0.029%
250	15.185	15.169	15.240	VV	1950	55351	0.50%	0.025%
251	15.265	15.240	15.280	VV	1829	28520	0.26%	0.013%
252	15.312	15.280	15.330	VV	18436	242249	2.17%	0.108%
253	15.352	15.330	15.395	VV	19499	293264	2.62%	0.131%
254	15.414	15.395	15.436	VV	1384	29877	0.27%	0.013%
255	15.476	15.436	15.500	VV	4755	86149	0.77%	0.038%
256	15.511	15.500	15.533	VV	1642	25063	0.22%	0.011%
257	15.551	15.533	15.585	VV	1622	29445	0.26%	0.013%
258	15.616	15.585	15.640	VV	1739	40910	0.37%	0.018%
259	15.656	15.640	15.696	VV	1723	41149	0.37%	0.018%
260	15.750	15.696	15.843	VV	19236	343884	3.08%	0.153%
261	15.896	15.843	15.928	VV	2458	72896	0.65%	0.032%
262	15.943	15.928	15.960	VV	2167	30864	0.28%	0.014%
263	15.985	15.960	16.009	VV	6417	97272	0.87%	0.043%
264	16.025	16.009	16.051	VV	2895	41769	0.37%	0.019%
265	16.071	16.051	16.100	VV	2297	39364	0.35%	0.018%
266	16.147	16.100	16.183	VV	4581	121677	1.09%	0.054%
267	16.227	16.183	16.250	VV	2298	52109	0.47%	0.023%
268	16.269	16.250	16.293	VV	1158	20108	0.18%	0.009%
269	16.311	16.293	16.356	VV	1162	22355	0.20%	0.010%
270	16.394	16.356	16.470	VV	1930	53826	0.48%	0.024%
271	16.492	16.470	16.536	PV	425	7026	0.06%	0.003%
272	16.594	16.536	16.610	PV	1318	32231	0.29%	0.014%
273	16.622	16.610	16.639	VV	1107	14882	0.13%	0.007%
274	16.659	16.639	16.671	VV	1105	14026	0.13%	0.006%
275	16.701	16.671	16.720	VV	1740	36654	0.33%	0.016%
276	16.736	16.720	16.743	VV	1522	17979	0.16%	0.008%
277	16.764	16.743	16.819	VV	3688	85213	0.76%	0.038%
278	16.874	16.819	16.935	VV	25843	491613	4.40%	0.219%
279	16.958	16.935	16.978	VV	699	11864	0.11%	0.005%
280	17.006	16.978	17.026	VV	6073	77762	0.70%	0.035%
281	17.040	17.026	17.081	VV	1830	34760	0.31%	0.015%
282	17.126	17.081	17.140	VV	1700	34966	0.31%	0.016%
283	17.195	17.140	17.223	VV	18117	328800	2.94%	0.147%
284	17.252	17.223	17.295	VV	20894	270596	2.42%	0.121%
285	17.354	17.295	17.383	VV	7000	138319	1.24%	0.062%
286	17.397	17.383	17.443	VV	2820	59074	0.53%	0.026%
287	17.499	17.443	17.546	VV	2411	83777	0.75%	0.037%
288	17.561	17.546	17.581	VV	1310	19067	0.17%	0.009%
289	17.617	17.581	17.651	VV	4579	106519	0.95%	0.047%
290	17.661	17.651	17.686	VV	2062	30076	0.27%	0.013%
291	17.712	17.686	17.734	VV	2843	47624	0.43%	0.021%
292	17.752	17.734	17.765	VV	2251	31017	0.28%	0.014%
293	17.791	17.765	17.819	VV	4359	89279	0.80%	0.040%
294	17.840	17.819	17.861	VV	1650	27007	0.24%	0.012%
295	17.916	17.861	17.992	VV	3076	103402	0.93%	0.046%
296	18.028	17.992	18.052	VV	1176	23960	0.21%	0.011%
297	18.098	18.052	18.125	VV	784	18091	0.16%	0.008%
298	18.191	18.125	18.207	PV	1830	47788	0.43%	0.021%
299	18.235	18.207	18.277	VV	4021	81685	0.73%	0.036%

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300	18.324	18.277	18.339	VV	2176	46561	0.42%	0.021%
301	18.350	18.339	18.365	VV	1646	22125	0.20%	0.010%
302	18.415	18.365	18.501	VV	2466	130051	1.16%	0.058%
303	18.533	18.501	18.552	VV	5200	82891	0.74%	0.037%
304	18.592	18.552	18.605	VV	10335	174237	1.56%	0.078%
305	18.624	18.605	18.647	VV	19662	294065	2.63%	0.131%
306	18.661	18.647	18.695	VV	6920	121399	1.09%	0.054%
307	18.709	18.695	18.729	VV	1960	27795	0.25%	0.012%
308	18.759	18.729	18.775	VV	6038	94940	0.85%	0.042%
309	18.789	18.775	18.851	VV	5168	93946	0.84%	0.042%
310	18.879	18.851	18.906	PV	20242	250227	2.24%	0.112%
311	18.919	18.906	18.933	VV	1295	19382	0.17%	0.009%
312	18.963	18.933	18.980	VV	2398	45318	0.41%	0.020%
313	19.010	18.980	19.036	VV	6226	101624	0.91%	0.045%
314	19.067	19.036	19.090	VV	4069	78768	0.70%	0.035%
315	19.105	19.090	19.127	VV	1965	34072	0.30%	0.015%
316	19.191	19.127	19.215	VV	3616	105216	0.94%	0.047%
317	19.242	19.215	19.265	VV	2097	50613	0.45%	0.023%
318	19.285	19.265	19.301	VV	2375	43184	0.39%	0.019%
319	19.313	19.301	19.331	VV	2648	39191	0.35%	0.017%
320	19.356	19.331	19.371	VV	1940	41798	0.37%	0.019%
321	19.425	19.371	19.453	VV	8963	249653	2.23%	0.111%
322	19.480	19.453	19.508	VV	5831	152960	1.37%	0.068%
323	19.557	19.508	19.631	VV	4408	229069	2.05%	0.102%
324	19.639	19.631	19.647	VV	2713	25277	0.23%	0.011%
325	19.669	19.647	19.695	VV	3405	84192	0.75%	0.038%
326	19.722	19.695	19.753	VV	3306	105036	0.94%	0.047%
327	19.770	19.753	19.796	VV	2967	68783	0.62%	0.031%
328	19.853	19.796	19.877	VV	4465	148834	1.33%	0.066%
329	19.900	19.877	19.911	VV	3821	70735	0.63%	0.032%
330	19.928	19.911	19.938	VV	4033	60845	0.54%	0.027%
331	19.965	19.938	19.997	VV	5620	148694	1.33%	0.066%
332	20.037	19.997	20.066	VV	12539	278721	2.49%	0.124%
333	20.103	20.066	20.134	VV	11317	301597	2.70%	0.134%
334	20.154	20.134	20.178	VV	6856	162120	1.45%	0.072%
335	20.195	20.178	20.209	VV	6674	119010	1.06%	0.053%
336	20.227	20.209	20.259	VV	7667	192626	1.72%	0.086%
337	20.287	20.259	20.299	VV	5930	130056	1.16%	0.058%
338	20.319	20.299	20.351	VV	7382	192517	1.72%	0.086%
339	20.414	20.351	20.439	VV	15343	484138	4.33%	0.216%
340	20.482	20.439	20.521	VV	9637	398419	3.56%	0.178%
341	20.557	20.521	20.577	VV	9271	276931	2.48%	0.123%
342	20.593	20.577	20.626	VV	8200	226984	2.03%	0.101%
343	20.689	20.626	20.728	VV	8451	482144	4.31%	0.215%
344	20.762	20.728	20.811	VV	9252	402699	3.60%	0.180%
345	20.838	20.811	20.878	VV	8572	327576	2.93%	0.146%
346	20.914	20.878	20.923	VV	8269	220549	1.97%	0.098%
347	20.961	20.923	21.011	VV	8717	425028	3.80%	0.189%
348	21.118	21.011	21.165	VV	7705	679275	6.08%	0.303%
349	21.170	21.165	21.253	VV	6811	338503	3.03%	0.151%
350	21.279	21.253	21.300	VV	5956	166403	1.49%	0.074%
351	21.311	21.300	21.350	VV	5919	171219	1.53%	0.076%

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352	21.374	21.350	21.426	VV	6309	249261	2.23%	0.111%	
353	21.456	21.426	21.536	VV	5471	302809	2.71%	0.135%	
354	21.569	21.536	21.608	VV	4108	165130	1.48%	0.074%	
355	21.635	21.608	21.660	VV	4090	119407	1.07%	0.053%	
356	21.682	21.660	21.712	VV	4224	118614	1.06%	0.053%	
357	21.765	21.712	21.801	VV	4081	187036	1.67%	0.083%	
358	21.860	21.801	21.889	VV	6283	236359	2.11%	0.105%	
359	21.901	21.889	21.925	VV	3584	68904	0.62%	0.031%	
360	21.934	21.925	22.008	VV	3028	115794	1.04%	0.052%	
361	22.032	22.008	22.057	VV	2563	63587	0.57%	0.028%	
362	22.082	22.057	22.143	VV	2651	82758	0.74%	0.037%	
363	22.176	22.143	22.231	VV	2863	60683	0.54%	0.027%	
364	22.265	22.231	22.297	PV	2523	49301	0.44%	0.022%	
365	22.318	22.297	22.346	VV	851	15794	0.14%	0.007%	
366	22.371	22.346	22.393	VV	997	16887	0.15%	0.008%	
					Sum of corrected areas:	224298347			

Aliphatic EPH 062725.M Thu Jul 03 05:43:25 2025

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX5DL	SDG No.:	Q2480
Lab Sample ID:	Q2480-05DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054698.D	2	07/02/25	07/07/25	PB168702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	104		2.03	8.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.97		2.63	4.46	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	13.4		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	13.4		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2480-05DL	Acq On:	07 Jul 2025 10:24
Client Sample ID:	GPX5DL	Operator:	YP\AJ
Data file:	FE054698.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	2	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.953	74336769	546.373	300	ug/ml
Aliphatic C12-C16	6.954	10.404	16994879	120.901	200	ug/ml
Aliphatic C16-C21	10.405	13.782	2293376	15.883	300	ug/ml
Aliphatic C21-C28	13.783	17.452	2152766	14.882	400	ug/ml
Aliphatic C28-C40	17.453	22.469	6496470	46.856	600	ug/ml
Aliphatic EPH	3.322	22.469	102274260	744.895		ug/ml
ortho-Terphenyl (SURR)	12.080	12.080	2182748	13.44		ug/ml
1-chlorooctadecane (SURR)	13.516	13.516	1691526	13.39		ug/ml
Aliphatic C9-C28	3.322	17.452	95777790	698.039	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054698.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jul 2025 10:24
 Operator : YP\AJ
 Sample : Q2480-05DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 GPX5DL

Integration File: sample.E
 Quant Time: Jul 08 03:30:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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)	12.080	2182748	13.441 ug/ml
Spiked Amount 50.000		Recovery =	26.88%
12) S 1-chlorooctadecane (S...	13.516	1691526	13.394 ug/ml
Spiked Amount 50.000		Recovery =	26.79%

Target Compounds

(f)=RT Delta > 1/2 Window

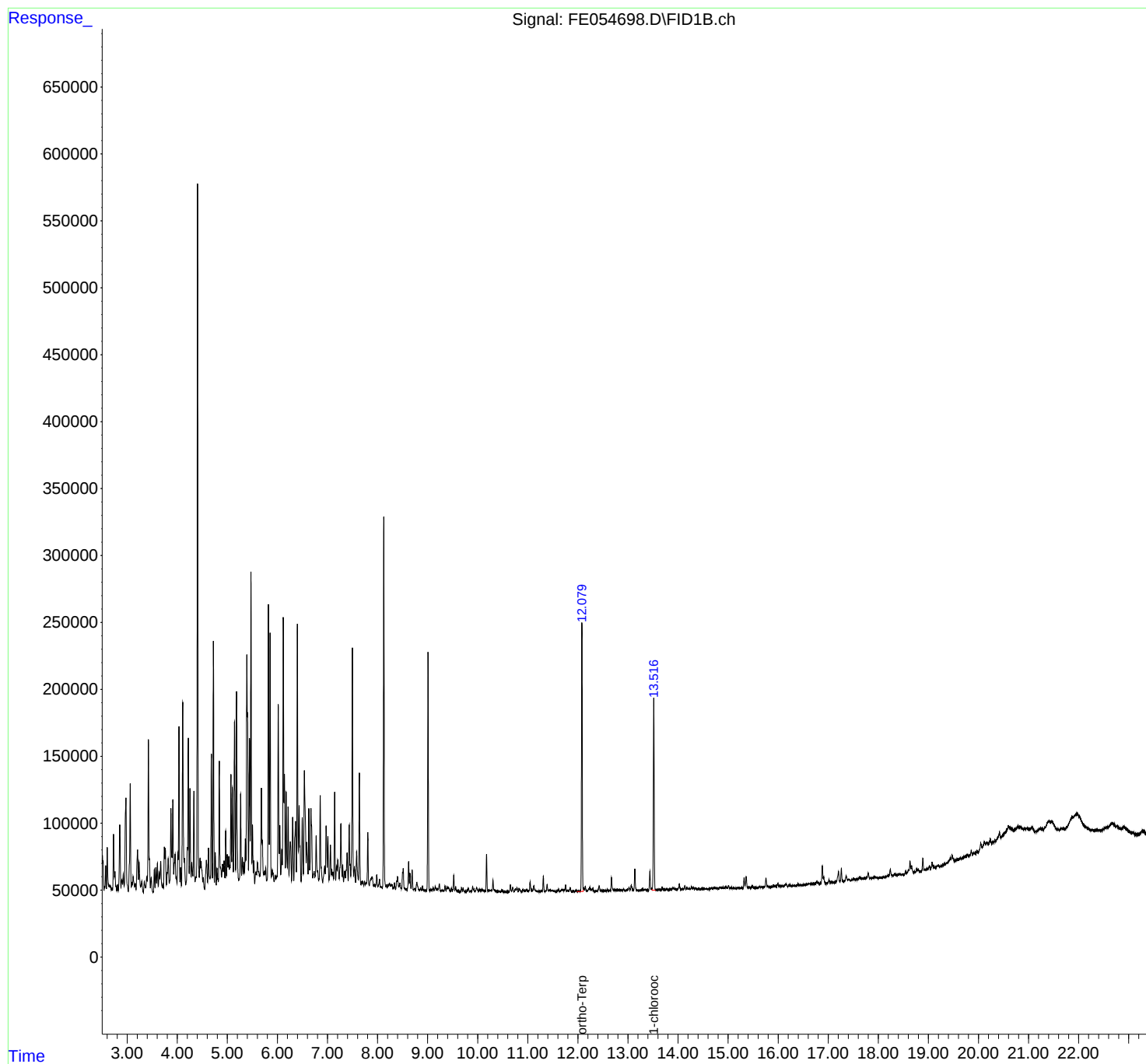
(m)=manual int.

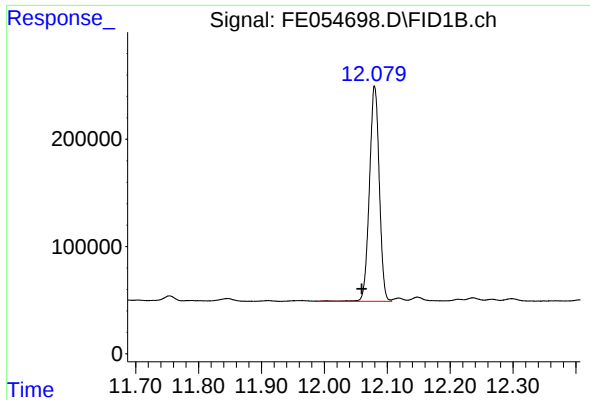
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054698.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 10:24
Operator : YP\AJ
Sample : Q2480-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
GPX5DL

Integration File: sample.E
Quant Time: Jul 08 03:30:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

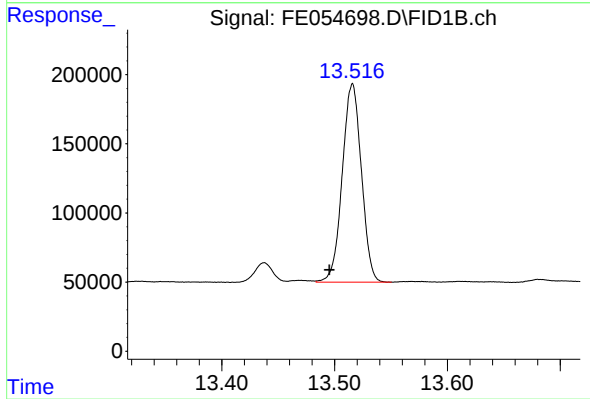




#9 ortho-Terphenyl (SURR)

R.T.: 12.080 min
Delta R.T.: 0.020 min
Response: 2182748
Conc: 13.44 ug/ml

Instrument :
FID_E
ClientSampleId :
GPX5DL



#12 1-chlorooctadecane (SURR)

R.T.: 13.516 min
Delta R.T.: 0.020 min
Response: 1691526
Conc: 13.39 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054698.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 10:24
Sample : Q2480-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	2.852	2.804	2.876	BV	46203	549541	10.00%	0.498%
2	2.892	2.876	2.906	PV	6137	77412	1.41%	0.070%
3	2.922	2.906	2.939	VV	10997	124615	2.27%	0.113%
4	2.973	2.939	3.021	VV	69363	1180798	21.49%	1.070%
5	3.060	3.021	3.084	PV	80752	994437	18.10%	0.901%
6	3.096	3.084	3.104	VV	7127	69859	1.27%	0.063%
7	3.118	3.104	3.147	VV	11354	193341	3.52%	0.175%
8	3.162	3.147	3.176	VV	6164	77646	1.41%	0.070%
9	3.206	3.176	3.224	VV	31698	504978	9.19%	0.457%
10	3.237	3.224	3.267	VV	22026	319768	5.82%	0.290%
11	3.290	3.267	3.320	VV	8123	142484	2.59%	0.129%
12	3.343	3.320	3.371	VV	7949	130115	2.37%	0.118%
13	3.390	3.371	3.400	VV	11532	139257	2.53%	0.126%
14	3.424	3.400	3.463	VV	113621	1452862	26.44%	1.316%
15	3.479	3.463	3.518	VV	10936	156445	2.85%	0.142%
16	3.541	3.518	3.556	PV	17093	175059	3.19%	0.159%
17	3.572	3.556	3.587	VV	18559	215114	3.92%	0.195%
18	3.603	3.587	3.621	VV	21982	259673	4.73%	0.235%
19	3.639	3.621	3.651	VV	15363	195691	3.56%	0.177%
20	3.669	3.651	3.700	VV	23297	359593	6.54%	0.326%
21	3.712	3.700	3.724	VV	6236	68434	1.25%	0.062%
22	3.742	3.724	3.752	VV	33931	353799	6.44%	0.320%
23	3.761	3.752	3.784	VV	33057	416762	7.59%	0.378%
24	3.819	3.784	3.841	VV	25308	505319	9.20%	0.458%
25	3.874	3.841	3.893	VV	62384	877339	15.97%	0.795%
26	3.912	3.893	3.929	VV	69096	846544	15.41%	0.767%
27	3.957	3.929	3.994	VV	28687	669835	12.19%	0.607%
28	4.035	3.994	4.055	VV	123785	1562982	28.45%	1.416%
29	4.067	4.055	4.084	VV	18483	213708	3.89%	0.194%
30	4.109	4.084	4.170	VV	140887	2223338	40.47%	2.014%
31	4.221	4.170	4.238	VV	115531	1624008	29.56%	1.471%
32	4.254	4.238	4.277	VV	77234	915040	16.65%	0.829%
33	4.291	4.277	4.311	VV	22416	342757	6.24%	0.310%
34	4.332	4.311	4.356	VV	75903	920784	16.76%	0.834%
35	4.405	4.356	4.438	VV	529599	5494374	100.00%	4.977%
36	4.456	4.438	4.509	VV	25451	763571	13.90%	0.692%

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37	4.520	4.509	4.548	VV	11102	151009	2.75%	0.137%
38	4.582	4.548	4.606	VV	24006	504803	9.19%	0.457%
39	4.624	4.606	4.657	VV	33269	527789	9.61%	0.478%
40	4.681	4.657	4.701	VV	103620	1168483	21.27%	1.058%
41	4.721	4.701	4.742	VV	187490	1896990	34.53%	1.718%
42	4.758	4.742	4.778	VV	29840	371895	6.77%	0.337%
43	4.794	4.778	4.818	VV	17899	276801	5.04%	0.251%
44	4.839	4.818	4.885	VV	97988	1322519	24.07%	1.198%
45	4.906	4.885	4.919	VV	20983	353265	6.43%	0.320%
46	4.934	4.919	4.950	VV	23603	344030	6.26%	0.312%
47	4.966	4.950	4.982	VV	45695	518909	9.44%	0.470%
48	4.998	4.982	5.013	VV	28343	413107	7.52%	0.374%
49	5.027	5.013	5.054	VV	26679	527293	9.60%	0.478%
50	5.071	5.054	5.086	VV	88175	958150	17.44%	0.868%
51	5.101	5.086	5.120	VV	78085	913360	16.62%	0.827%
52	5.143	5.120	5.165	VV	125554	1714107	31.20%	1.553%
53	5.183	5.165	5.229	VV	148851	1966162	35.79%	1.781%
54	5.265	5.229	5.284	VV	73447	946728	17.23%	0.858%
55	5.300	5.284	5.317	VV	25919	386884	7.04%	0.350%
56	5.330	5.317	5.341	VV	22294	269445	4.90%	0.244%
57	5.359	5.341	5.369	VV	39965	477379	8.69%	0.432%
58	5.389	5.369	5.421	VV	177095	3054153	55.59%	2.767%
59	5.442	5.421	5.456	VV	114870	1426968	25.97%	1.293%
60	5.471	5.456	5.490	VV	239004	2390874	43.51%	2.166%
61	5.501	5.490	5.519	VV	50769	577616	10.51%	0.523%
62	5.529	5.519	5.546	VV	23515	256172	4.66%	0.232%
63	5.572	5.546	5.584	VV	15198	296554	5.40%	0.269%
64	5.601	5.584	5.641	VV	22394	573597	10.44%	0.520%
65	5.679	5.641	5.730	VV	77061	1616710	29.42%	1.465%
66	5.743	5.730	5.753	VV	15902	204363	3.72%	0.185%
67	5.765	5.753	5.785	VV	18440	264148	4.81%	0.239%
68	5.819	5.785	5.837	VV	214729	2359893	42.95%	2.138%
69	5.854	5.837	5.879	VV	194685	2083658	37.92%	1.888%
70	5.896	5.879	5.934	VV	16602	425858	7.75%	0.386%
71	5.953	5.934	5.965	VV	12511	194910	3.55%	0.177%
72	5.977	5.965	5.987	VV	12052	156692	2.85%	0.142%
73	6.016	5.987	6.037	VV	139226	1746764	31.79%	1.582%
74	6.048	6.037	6.067	VV	49943	564222	10.27%	0.511%
75	6.086	6.067	6.096	VV	31818	412872	7.51%	0.374%
76	6.117	6.096	6.132	VV	205087	2324086	42.30%	2.105%
77	6.139	6.132	6.158	VV	88948	900095	16.38%	0.815%
78	6.174	6.158	6.197	VV	74970	932436	16.97%	0.845%
79	6.213	6.197	6.231	VV	63460	726906	13.23%	0.658%
80	6.257	6.231	6.283	VV	37718	796294	14.49%	0.721%
81	6.304	6.283	6.327	VV	55971	819972	14.92%	0.743%
82	6.360	6.327	6.378	VV	53223	1047788	19.07%	0.949%
83	6.398	6.378	6.418	VV	200069	2157937	39.28%	1.955%
84	6.433	6.418	6.473	VV	64972	1146942	20.87%	1.039%
85	6.496	6.473	6.517	VV	55101	785600	14.30%	0.712%
86	6.539	6.517	6.574	VV	90834	1803460	32.82%	1.634%
87	6.586	6.574	6.611	VV	37499	603910	10.99%	0.547%
88	6.628	6.611	6.645	VV	62521	711885	12.96%	0.645%
89	6.671	6.645	6.705	VV	61980	1277868	23.26%	1.158%

					rteres			
90	6.732	6.705	6.749	VV	15648	343703	6.26%	0.311%
91	6.774	6.749	6.823	VV	41755	876537	15.95%	0.794%
92	6.855	6.823	6.903	VV	72178	1144309	20.83%	1.037%
93	6.943	6.903	6.955	VV	19760	439506	8.00%	0.398%
94	6.973	6.955	6.994	VV	48130	775026	14.11%	0.702%
95	7.008	6.994	7.031	VV	41839	545655	9.93%	0.494%
96	7.059	7.031	7.076	VV	35332	549344	10.00%	0.498%
97	7.085	7.076	7.098	VV	17495	201276	3.66%	0.182%
98	7.109	7.098	7.122	VV	15148	191453	3.48%	0.173%
99	7.143	7.122	7.164	VV	74869	861513	15.68%	0.780%
100	7.181	7.164	7.191	VV	19553	259980	4.73%	0.236%
101	7.206	7.191	7.233	VV	24203	454219	8.27%	0.411%
102	7.267	7.233	7.292	VV	50892	881685	16.05%	0.799%
103	7.304	7.292	7.322	VV	20441	255777	4.66%	0.232%
104	7.342	7.322	7.358	VV	15648	274595	5.00%	0.249%
105	7.391	7.358	7.413	VV	29373	600887	10.94%	0.544%
106	7.434	7.413	7.465	VV	50014	803665	14.63%	0.728%
107	7.497	7.465	7.525	VV	183093	2195772	39.96%	1.989%
108	7.539	7.525	7.561	VV	18757	311830	5.68%	0.282%
109	7.581	7.561	7.618	VV	30375	567677	10.33%	0.514%
110	7.636	7.618	7.668	VV	88589	1023393	18.63%	0.927%
111	7.685	7.668	7.698	VV	7745	123626	2.25%	0.112%
112	7.706	7.698	7.724	VV	7241	103824	1.89%	0.094%
113	7.740	7.724	7.755	VV	8084	125967	2.29%	0.114%
114	7.806	7.755	7.834	VV	44772	687515	12.51%	0.623%
115	7.893	7.834	7.920	VV	11286	441110	8.03%	0.400%
116	7.932	7.920	7.956	VV	5517	107695	1.96%	0.098%
117	7.983	7.956	8.009	VV	13214	234740	4.27%	0.213%
118	8.039	8.009	8.059	VV	9740	186816	3.40%	0.169%
119	8.070	8.059	8.094	VV	4198	79146	1.44%	0.072%
120	8.178	8.165	8.192	VV	5372	74267	1.35%	0.067%
121	8.207	8.192	8.217	VV	5236	70950	1.29%	0.064%
122	8.238	8.217	8.255	VV	6854	124665	2.27%	0.113%
123	8.269	8.255	8.281	VV	5536	80521	1.47%	0.073%
124	8.291	8.281	8.315	VV	5493	84971	1.55%	0.077%
125	8.338	8.315	8.358	VV	7214	114730	2.09%	0.104%
126	8.399	8.358	8.424	VV	11619	267136	4.86%	0.242%
127	8.445	8.424	8.476	VV	6812	141790	2.58%	0.128%
128	8.511	8.476	8.585	VV	17818	402812	7.33%	0.365%
129	8.619	8.585	8.635	VV	23040	296907	5.40%	0.269%
130	8.646	8.635	8.667	VV	14143	161258	2.93%	0.146%
131	8.690	8.667	8.721	VV	16513	217503	3.96%	0.197%
132	8.736	8.721	8.753	VV	2827	43485	0.79%	0.039%
133	8.784	8.753	8.844	VV	7295	194534	3.54%	0.176%
134	8.861	8.844	8.877	VV	2982	41451	0.75%	0.038%
135	8.897	8.877	8.931	VV	4710	76742	1.40%	0.070%
136	8.946	8.931	8.962	VV	1843	24694	0.45%	0.022%
137	9.071	9.040	9.088	VV	1891	43612	0.79%	0.040%
138	9.106	9.088	9.131	VV	2865	53720	0.98%	0.049%
139	9.152	9.131	9.178	VV	3844	76863	1.40%	0.070%
140	9.187	9.178	9.196	VV	2060	21027	0.38%	0.019%
141	9.232	9.196	9.259	VV	6211	112925	2.06%	0.102%

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142	9.287	9.259	9.308	VV	1621	36002	0.66%	0.033%
143	9.319	9.308	9.326	VV	1152	11746	0.21%	0.011%
144	9.347	9.326	9.366	VV	4779	61873	1.13%	0.056%
145	9.401	9.366	9.448	VV	3510	126725	2.31%	0.115%
146	9.473	9.448	9.490	VV	2845	42962	0.78%	0.039%
147	9.521	9.490	9.542	VV	12758	157777	2.87%	0.143%
148	9.560	9.542	9.593	VV	4206	59942	1.09%	0.054%
149	9.610	9.593	9.637	VV	736	15101	0.27%	0.014%
150	9.677	9.637	9.693	VV	3163	44454	0.81%	0.040%
151	9.708	9.693	9.744	VV	3196	39455	0.72%	0.036%
152	9.759	9.744	9.774	VV	553	7100	0.13%	0.006%
153	9.815	9.774	9.840	VV	2955	53399	0.97%	0.048%
154	9.857	9.840	9.869	VV	735	9641	0.18%	0.009%
155	9.899	9.869	9.948	VV	4230	78413	1.43%	0.071%
156	9.980	9.948	10.011	VV	3412	69135	1.26%	0.063%
157	10.027	10.011	10.037	VV	1473	18362	0.33%	0.017%
158	10.052	10.037	10.063	VV	1545	21507	0.39%	0.019%
159	10.080	10.063	10.094	VV	2350	32560	0.59%	0.029%
160	10.106	10.094	10.134	VV	1623	27531	0.50%	0.025%
161	10.176	10.134	10.203	VV	28347	310008	5.64%	0.281%
162	10.222	10.203	10.248	VV	1448	31745	0.58%	0.029%
163	10.273	10.248	10.283	VV	1628	28162	0.51%	0.026%
164	10.305	10.283	10.361	VV	8966	127962	2.33%	0.116%
165	10.374	10.361	10.400	VV	637	12568	0.23%	0.011%
166	10.418	10.400	10.454	VV	738	14778	0.27%	0.013%
167	10.488	10.454	10.530	VV	1081	25223	0.46%	0.023%
168	10.545	10.530	10.567	VV	290	4230	0.08%	0.004%
169	10.587	10.567	10.613	PV	484	7069	0.13%	0.006%
170	10.653	10.613	10.676	VV	5474	67350	1.23%	0.061%
171	10.697	10.676	10.723	VV	3069	45108	0.82%	0.041%
172	10.753	10.723	10.768	VV	2306	40101	0.73%	0.036%
173	10.784	10.768	10.810	VV	3139	47802	0.87%	0.043%
174	10.829	10.810	10.869	VV	2435	43597	0.79%	0.039%
175	10.903	10.869	10.937	VV	1624	37957	0.69%	0.034%
176	10.971	10.937	11.014	VV	1783	47280	0.86%	0.043%
177	11.047	11.014	11.090	VV	7458	113172	2.06%	0.103%
178	11.120	11.090	11.222	VV	4436	104192	1.90%	0.094%
179	11.241	11.222	11.260	VV	492	7985	0.15%	0.007%
180	11.275	11.260	11.284	VV	461	5341	0.10%	0.005%
181	11.310	11.284	11.351	VV	11820	128916	2.35%	0.117%
182	11.386	11.351	11.426	VV	5333	81070	1.48%	0.073%
183	11.444	11.426	11.464	VV	1570	24153	0.44%	0.022%
184	11.475	11.464	11.543	VV	805	27436	0.50%	0.025%
185	11.559	11.543	11.578	VV	510	7388	0.13%	0.007%
186	11.615	11.578	11.641	VV	1249	28392	0.52%	0.026%
187	11.681	11.641	11.695	VV	1546	30002	0.55%	0.027%
188	11.704	11.695	11.720	VV	1187	15134	0.28%	0.014%
189	11.754	11.720	11.777	VV	5134	73596	1.34%	0.067%
190	11.788	11.777	11.814	VV	748	13989	0.25%	0.013%
191	11.846	11.814	11.888	VV	2605	44054	0.80%	0.040%
192	11.910	11.888	11.931	VV	665	7726	0.14%	0.007%
193	11.964	11.931	11.988	PV	668	12509	0.23%	0.011%
194	12.003	11.988	12.016	VV	334	4174	0.08%	0.004%

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195	12.080	12.016	12.107	VV	200065	2178771	39.65%	1.974%
196	12.118	12.107	12.132	VV	2944	30411	0.55%	0.028%
197	12.148	12.132	12.189	VV	3855	51652	0.94%	0.047%
198	12.236	12.189	12.254	VV	3201	60663	1.10%	0.055%
199	12.266	12.254	12.280	VV	1773	20047	0.36%	0.018%
200	12.298	12.280	12.336	VV	2307	32437	0.59%	0.029%
201	12.369	12.336	12.383	PV	325	4378	0.08%	0.004%
202	12.425	12.383	12.468	VV	4193	68688	1.25%	0.062%
203	12.474	12.468	12.494	VV	448	5401	0.10%	0.005%
204	12.509	12.494	12.569	VV	413	12570	0.23%	0.011%
205	12.588	12.569	12.611	VV	1322	15105	0.27%	0.014%
206	12.622	12.611	12.631	VV	269	2779	0.05%	0.003%
207	12.671	12.631	12.750	VV	10194	155584	2.83%	0.141%
208	12.766	12.750	12.778	VV	813	10795	0.20%	0.010%
209	12.792	12.778	12.828	VV	1071	20624	0.38%	0.019%
210	12.841	12.828	12.881	VV	973	21324	0.39%	0.019%
211	12.911	12.881	12.949	VV	1257	26675	0.49%	0.024%
212	12.986	12.949	12.997	VV	783	12210	0.22%	0.011%
213	13.020	12.997	13.039	VV	2681	36944	0.67%	0.033%
214	13.066	13.039	13.110	VV	3735	70715	1.29%	0.064%
215	13.138	13.110	13.179	VV	16375	195699	3.56%	0.177%
216	13.188	13.179	13.222	VV	259	4000	0.07%	0.004%
217	13.294	13.222	13.308	VV	1226	19715	0.36%	0.018%
218	13.327	13.308	13.407	VV	937	30043	0.55%	0.027%
219	13.438	13.407	13.459	VV	14377	162367	2.96%	0.147%
220	13.469	13.459	13.481	VV	1555	17577	0.32%	0.016%
221	13.516	13.481	13.551	VV	143051	1703652	31.01%	1.543%
222	13.568	13.551	13.594	VV	725	13079	0.24%	0.012%
223	13.612	13.594	13.657	VV	750	15946	0.29%	0.014%
224	13.682	13.657	13.751	PV	2133	48561	0.88%	0.044%
225	13.769	13.751	13.811	VV	960	17663	0.32%	0.016%
226	13.835	13.811	13.847	VV	799	9870	0.18%	0.009%
227	13.860	13.847	13.874	VV	721	9641	0.18%	0.009%
228	13.899	13.874	13.973	VV	1652	57422	1.05%	0.052%
229	14.026	13.973	14.057	VV	4141	71942	1.31%	0.065%
230	14.096	14.057	14.110	VV	773	16343	0.30%	0.015%
231	14.135	14.110	14.158	VV	3132	45042	0.82%	0.041%
232	14.177	14.158	14.201	VV	1842	26720	0.49%	0.024%
233	14.220	14.201	14.244	VV	1384	19226	0.35%	0.017%
234	14.268	14.244	14.289	VV	2154	33602	0.61%	0.030%
235	14.307	14.289	14.326	VV	1678	24635	0.45%	0.022%
236	14.348	14.326	14.376	VV	1422	22934	0.42%	0.021%
237	14.402	14.376	14.442	VV	761	15812	0.29%	0.014%
238	14.455	14.442	14.464	VV	206	2253	0.04%	0.002%
239	14.505	14.464	14.551	VV	748	23403	0.43%	0.021%
240	14.626	14.551	14.641	VV	381	13317	0.24%	0.012%
241	14.662	14.641	14.682	VV	754	12311	0.22%	0.011%
242	14.735	14.682	14.760	VV	1111	33814	0.62%	0.031%
243	14.767	14.760	14.778	VV	686	6678	0.12%	0.006%
244	14.786	14.778	14.811	VV	532	8257	0.15%	0.007%
245	14.834	14.811	14.854	VV	1488	23552	0.43%	0.021%
246	14.868	14.854	14.881	VV	1035	13109	0.24%	0.012%

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247	14.896	14.881	14.920	VV	1223	18522	0.34%	0.017%
248	14.947	14.920	14.986	VV	1602	38155	0.69%	0.035%
249	15.009	14.986	15.029	VV	2494	34165	0.62%	0.031%
250	15.065	15.029	15.103	VV	741	22821	0.42%	0.021%
251	15.134	15.103	15.143	VV	416	8194	0.15%	0.007%
252	15.153	15.143	15.174	VV	453	6819	0.12%	0.006%
253	15.193	15.174	15.246	VV	703	16039	0.29%	0.015%
254	15.274	15.246	15.294	PV	619	8187	0.15%	0.007%
255	15.319	15.294	15.337	VV	7850	97425	1.77%	0.088%
256	15.361	15.337	15.396	VV	8847	131848	2.40%	0.119%
257	15.419	15.396	15.441	VV	1160	17158	0.31%	0.016%
258	15.451	15.441	15.458	VV	296	2795	0.05%	0.003%
259	15.484	15.458	15.541	VV	1928	36115	0.66%	0.033%
260	15.561	15.541	15.591	VV	447	6496	0.12%	0.006%
261	15.622	15.591	15.648	PV	723	12040	0.22%	0.011%
262	15.677	15.648	15.708	VV	525	13228	0.24%	0.012%
263	15.756	15.708	15.848	VV	6955	122973	2.24%	0.111%
264	15.862	15.848	15.871	PV	214	1627	0.03%	0.001%
265	15.898	15.871	15.938	VV	1176	29021	0.53%	0.026%
266	15.951	15.938	15.965	VV	890	11801	0.21%	0.011%
267	15.994	15.965	16.017	VV	2709	41348	0.75%	0.037%
268	16.032	16.017	16.058	VV	1187	13849	0.25%	0.013%
269	16.080	16.058	16.095	VV	928	10518	0.19%	0.010%
270	16.155	16.095	16.189	VV	1855	47031	0.86%	0.043%
271	16.234	16.189	16.256	VV	1001	17921	0.33%	0.016%
272	16.276	16.256	16.300	VV	377	5826	0.11%	0.005%
273	16.319	16.300	16.340	VV	524	5229	0.10%	0.005%
274	16.357	16.340	16.374	VV	205	2152	0.04%	0.002%
275	16.399	16.374	16.448	PV	1300	27268	0.50%	0.025%
276	16.463	16.448	16.483	VV	407	6016	0.11%	0.005%
277	16.603	16.483	16.624	VV	910	35317	0.64%	0.032%
278	16.630	16.624	16.651	VV	751	9232	0.17%	0.008%
279	16.669	16.651	16.681	VV	690	10045	0.18%	0.009%
280	16.710	16.681	16.728	VV	994	22434	0.41%	0.020%
281	16.771	16.728	16.792	VV	1841	40691	0.74%	0.037%
282	16.801	16.792	16.830	VV	994	15519	0.28%	0.014%
283	16.881	16.830	16.901	VV	13561	194811	3.55%	0.176%
284	16.910	16.901	16.944	VV	4940	57902	1.05%	0.052%
285	16.959	16.944	16.983	VV	460	6188	0.11%	0.006%
286	17.014	16.983	17.034	PV	2821	35749	0.65%	0.032%
287	17.049	17.034	17.088	VV	751	14518	0.26%	0.013%
288	17.134	17.088	17.144	VV	540	9169	0.17%	0.008%
289	17.205	17.144	17.231	VV	8066	150894	2.75%	0.137%
290	17.262	17.231	17.304	VV	10111	128192	2.33%	0.116%
291	17.357	17.304	17.388	VV	4015	84012	1.53%	0.076%
292	17.401	17.388	17.421	VV	1338	23563	0.43%	0.021%
293	17.426	17.421	17.448	VV	967	12060	0.22%	0.011%
294	17.509	17.448	17.551	VV	1451	54477	0.99%	0.049%
295	17.566	17.551	17.582	VV	890	13619	0.25%	0.012%
296	17.625	17.582	17.656	VV	2357	63306	1.15%	0.057%
297	17.667	17.656	17.692	VV	1210	22610	0.41%	0.020%
298	17.722	17.692	17.740	VV	1435	31093	0.57%	0.028%
299	17.799	17.740	17.828	VV	4655	108897	1.98%	0.099%

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300	17.848	17.828	17.868	VV	1044	17755	0.32%	0.016%
301	17.884	17.868	17.903	VV	909	16285	0.30%	0.015%
302	17.924	17.903	17.954	VV	1686	31894	0.58%	0.029%
303	17.968	17.954	18.001	VV	633	10099	0.18%	0.009%
304	18.039	18.001	18.059	VV	500	9153	0.17%	0.008%
305	18.105	18.059	18.118	PV	361	7116	0.13%	0.006%
306	18.195	18.118	18.203	VV	1160	27678	0.50%	0.025%
307	18.239	18.203	18.280	VV	5108	98889	1.80%	0.090%
308	18.329	18.280	18.354	VV	1851	43431	0.79%	0.039%
309	18.360	18.354	18.380	VV	840	8985	0.16%	0.008%
310	18.429	18.380	18.458	VV	897	31427	0.57%	0.028%
311	18.480	18.458	18.498	VV	442	7111	0.13%	0.006%
312	18.543	18.498	18.560	PV	2254	28468	0.52%	0.026%
313	18.602	18.560	18.611	VV	3104	52167	0.95%	0.047%
314	18.633	18.611	18.650	VV	9378	133808	2.44%	0.121%
315	18.665	18.650	18.704	VV	5555	95723	1.74%	0.087%
316	18.721	18.704	18.736	VV	724	9736	0.18%	0.009%
317	18.767	18.736	18.784	VV	2734	43692	0.80%	0.040%
318	18.798	18.784	18.822	VV	1964	30315	0.55%	0.027%
319	18.830	18.822	18.858	VV	579	6456	0.12%	0.006%
320	18.888	18.858	18.914	PV	9732	125610	2.29%	0.114%
321	18.928	18.914	18.944	VV	987	15774	0.29%	0.014%
322	18.972	18.944	18.991	VV	1307	25815	0.47%	0.023%
323	19.020	18.991	19.041	VV	3147	49249	0.90%	0.045%
324	19.075	19.041	19.101	VV	5258	95746	1.74%	0.087%
325	19.115	19.101	19.138	VV	1294	23249	0.42%	0.021%
326	19.198	19.138	19.223	VV	1647	55006	1.00%	0.050%
327	19.254	19.223	19.263	VV	868	18047	0.33%	0.016%
328	19.295	19.263	19.304	VV	1278	26000	0.47%	0.024%
329	19.325	19.304	19.338	VV	1745	31149	0.57%	0.028%
330	19.436	19.338	19.451	VV	5447	205737	3.74%	0.186%
331	19.529	19.519	19.535	VV	2540	23387	0.43%	0.021%
332	19.644	19.583	19.661	VV	3473	140145	2.55%	0.127%
333	19.778	19.661	19.814	VV	4498	341902	6.22%	0.310%
334	19.857	19.814	19.878	VV	6827	189790	3.45%	0.172%
335	19.930	19.917	19.944	VV	4763	75913	1.38%	0.069%
336	19.972	19.944	19.991	VV	5731	141224	2.57%	0.128%
337	20.045	19.991	20.073	VV	10885	376993	6.86%	0.342%
338	20.114	20.073	20.136	VV	11554	366245	6.67%	0.332%
339	20.175	20.136	20.192	VV	10512	345009	6.28%	0.313%
340	20.290	20.268	20.304	VV	9966	208609	3.80%	0.189%
341	20.327	20.304	20.341	VV	10634	229183	4.17%	0.208%
342	20.599	20.444	20.697	VV	19403	2382498	43.36%	2.158%
Sum of corrected areas:					110391554			

Aliphatic EPH 062725.M Tue Jul 08 05:45:33 2025

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX6	SDG No.:	Q2480
Lab Sample ID:	Q2480-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 20:23	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.99		1	1.36	2.30	mg/kg	FE054677.D
Aliphatic C9-C28	Aliphatic C9-C28	6.01		1	1.04	4.60	mg/kg	FE054677.D
Total AliphaticEPH	Total AliphaticEPH	12.0			2.40	6.90	mg/kg	
Total EPH	Total EPH	12.0			2.40	6.90	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX6	SDG No.:	Q2480
Lab Sample ID:	Q2480-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054677.D	1	07/02/25	07/02/25	PB168702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.01		1.04	4.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.99		1.36	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.0		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.1		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2480-06	Acq On:	02 Jul 2025 20:23
Client Sample ID:	GPX6	Operator:	YP\AJ
Data file:	FE054677.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	3.319	6.951	5434397	39.943	300	ug/ml
Aliphatic C12-C16	6.952	10.402	1947411	13.854	200	ug/ml
Aliphatic C16-C21	10.403	13.777	1699521	11.77	300	ug/ml
Aliphatic C21-C28	13.778	17.448	1864208	12.888	400	ug/ml
Aliphatic C28-C40	17.449	22.462	10839865	78.183	600	ug/ml
Aliphatic EPH	3.319	22.462	21785402	156.637		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	5216494	32.12		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	4042898	32.01		ug/ml
Aliphatic C9-C28	3.319	17.448	10945537	78.455	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
 Data File : FE054677.D
 Signal(s) : FID1B.ch
 Acq On : 02 Jul 2025 20:23
 Operator : YP\AJ
 Sample : Q2480-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 GPX6

Integration File: autoint1.e
 Quant Time: Jul 03 05:11:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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	5216494	32.122 ug/ml
Spiked Amount 50.000		Recovery =	64.24%
12) S 1-chlorooctadecane (S...	13.512	4042898	32.012 ug/ml
Spiked Amount 50.000		Recovery =	64.02%

Target Compounds

(f)=RT Delta > 1/2 Window

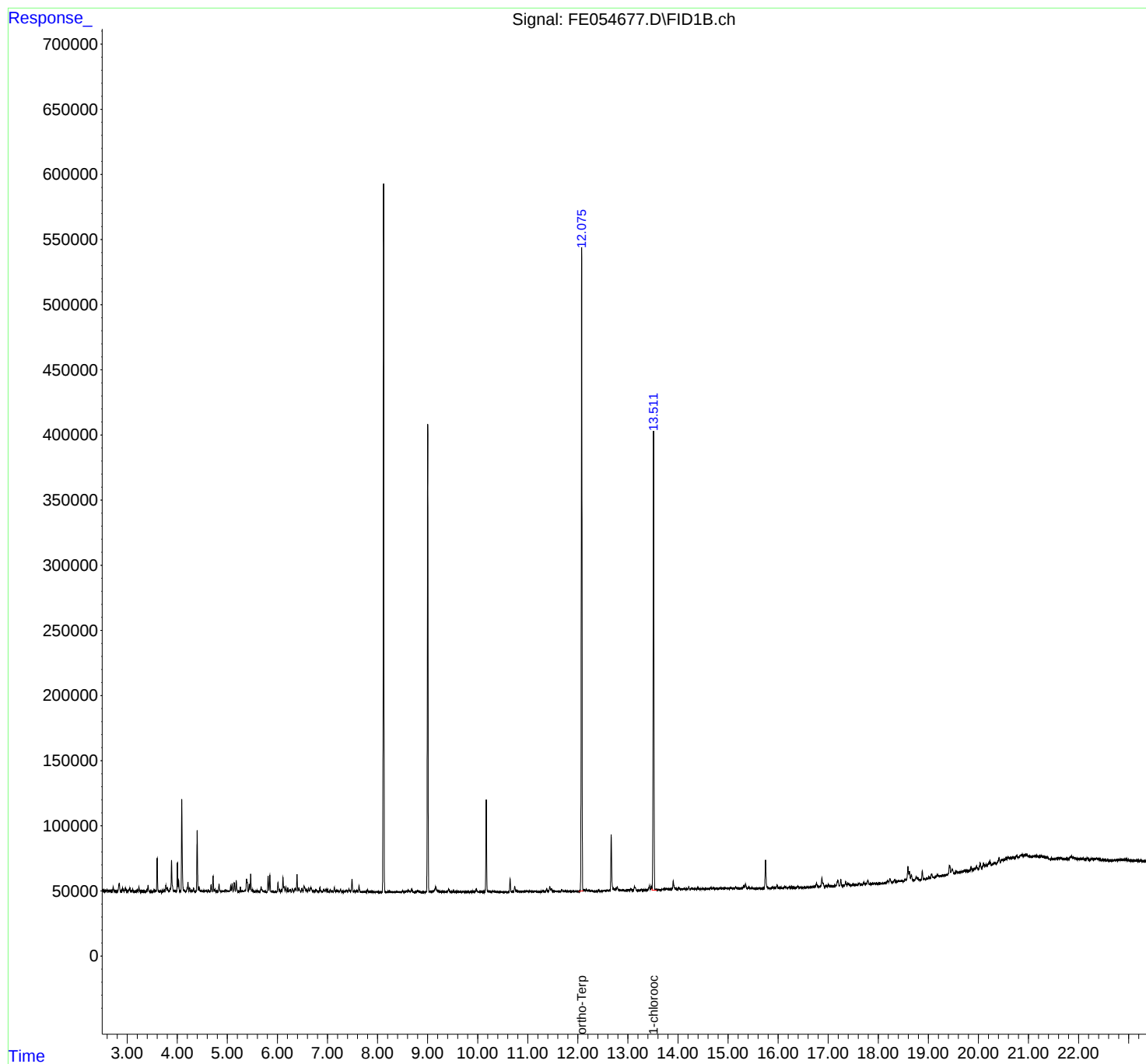
(m)=manual int.

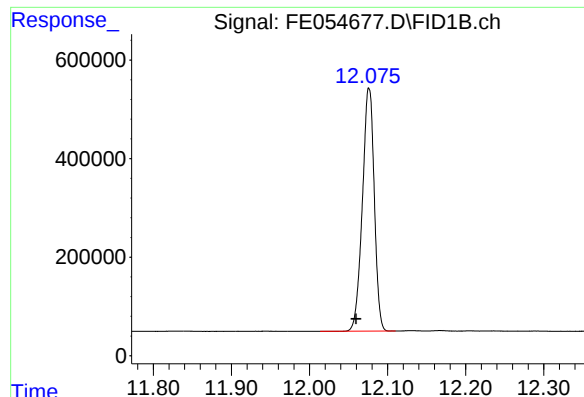
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
Data File : FE054677.D
Signal(s) : FID1B.ch
Acq On : 02 Jul 2025 20:23
Operator : YP\AJ
Sample : Q2480-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
GPX6

Integration File: autoint1.e
Quant Time: Jul 03 05:11:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

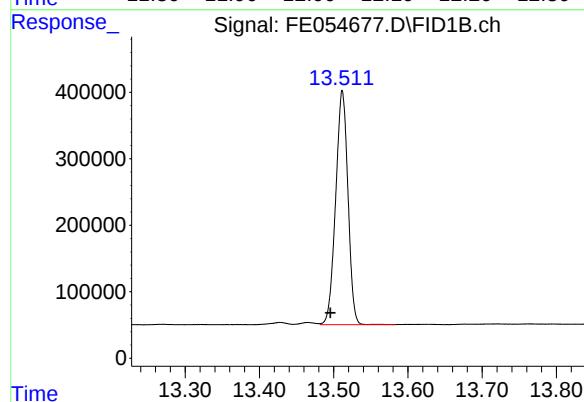




#9 ortho-Terphenyl (SURR)

R.T.: 12.076 min
Delta R.T.: 0.016 min
Response: 5216494
Conc: 32.12 ug/ml

Instrument :
FID_E
ClientSampleId :
GPX6



#12 1-chlorooctadecane (SURR)

R.T.: 13.512 min
Delta R.T.: 0.016 min
Response: 4042898
Conc: 32.01 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
Data File : FE054677.D
Signal(s) : FID1B.ch
Acq On : 02 Jul 2025 20:23
Sample : Q2480-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.841	2.804	2.869	BV	6510	91851	1.75%	0.293%
2	2.908	2.869	2.936	VV	2555	37010	0.71%	0.118%
3	2.966	2.936	3.013	VV	2474	47791	0.91%	0.152%
4	3.053	3.013	3.076	VV	2818	40717	0.78%	0.130%
5	3.109	3.076	3.141	VV	1648	20927	0.40%	0.067%
6	3.154	3.141	3.174	VV	244	2265	0.04%	0.007%
7	3.200	3.174	3.215	PV	1128	16348	0.31%	0.052%
8	3.234	3.215	3.261	VV	3729	42704	0.82%	0.136%
9	3.287	3.261	3.317	VV	690	15262	0.29%	0.049%
10	3.334	3.317	3.361	VV	368	6939	0.13%	0.022%
11	3.417	3.361	3.455	VV	5200	79774	1.52%	0.254%
12	3.469	3.455	3.511	VV	421	6480	0.12%	0.021%
13	3.533	3.511	3.550	PV	1439	16350	0.31%	0.052%
14	3.565	3.550	3.576	VV	880	9995	0.19%	0.032%
15	3.598	3.576	3.644	VV	25840	248567	4.75%	0.792%
16	3.663	3.644	3.686	VV	911	13186	0.25%	0.042%
17	3.702	3.686	3.717	VV	756	8362	0.16%	0.027%
18	3.736	3.717	3.746	VV	1346	15338	0.29%	0.049%
19	3.772	3.746	3.798	VV	5140	78225	1.49%	0.249%
20	3.807	3.798	3.834	VV	2304	30329	0.58%	0.097%
21	3.886	3.834	3.924	VV	24391	307645	5.87%	0.980%
22	3.949	3.924	3.980	VV	1014	20978	0.40%	0.067%
23	4.003	3.980	4.018	VV	22353	214435	4.09%	0.683%
24	4.028	4.018	4.050	VV	9045	85339	1.63%	0.272%
25	4.061	4.050	4.067	VV	758	5966	0.11%	0.019%
26	4.091	4.067	4.160	VV	70316	755048	14.42%	2.406%
27	4.214	4.160	4.232	VV	7454	104659	2.00%	0.333%
28	4.248	4.232	4.272	VV	3016	37535	0.72%	0.120%
29	4.285	4.272	4.305	VV	870	13629	0.26%	0.043%
30	4.325	4.305	4.351	VV	3061	36725	0.70%	0.117%
31	4.398	4.351	4.421	VV	47176	467878	8.93%	1.491%
32	4.434	4.421	4.463	VV	4140	53584	1.02%	0.171%
33	4.471	4.463	4.504	VV	984	17222	0.33%	0.055%
34	4.532	4.504	4.547	VV	1598	20238	0.39%	0.064%
35	4.577	4.547	4.601	VV	1165	26190	0.50%	0.083%
36	4.618	4.601	4.650	VV	1682	22747	0.43%	0.072%

rteres								
37	4.675	4.650	4.695	VV	5486	61993	1.18%	0.198%
38	4.716	4.695	4.736	VV	12138	122450	2.34%	0.390%
39	4.752	4.736	4.773	VV	1901	23941	0.46%	0.076%
40	4.788	4.773	4.814	VV	918	12113	0.23%	0.039%
41	4.834	4.814	4.881	VV	5982	71836	1.37%	0.229%
42	4.902	4.881	4.915	VV	977	13940	0.27%	0.044%
43	4.928	4.915	4.943	VV	948	12151	0.23%	0.039%
44	4.960	4.943	4.976	VV	1863	20522	0.39%	0.065%
45	4.991	4.976	5.011	VV	1045	16140	0.31%	0.051%
46	5.021	5.011	5.033	VV	935	10327	0.20%	0.033%
47	5.065	5.033	5.080	VV	4912	56946	1.09%	0.181%
48	5.095	5.080	5.115	VV	6584	68880	1.32%	0.219%
49	5.137	5.115	5.159	VV	7275	92300	1.76%	0.294%
50	5.177	5.159	5.223	VV	9087	107371	2.05%	0.342%
51	5.260	5.223	5.279	VV	4125	45214	0.86%	0.144%
52	5.295	5.279	5.311	VV	1034	14509	0.28%	0.046%
53	5.325	5.311	5.336	VV	935	10875	0.21%	0.035%
54	5.352	5.336	5.363	VV	1537	17904	0.34%	0.057%
55	5.383	5.363	5.416	VV	10132	169140	3.23%	0.539%
56	5.437	5.416	5.450	VV	6058	69040	1.32%	0.220%
57	5.466	5.450	5.484	VV	13796	134658	2.57%	0.429%
58	5.496	5.484	5.514	VV	1928	21709	0.41%	0.069%
59	5.523	5.514	5.541	VV	1057	9043	0.17%	0.029%
60	5.563	5.541	5.577	PV	702	9970	0.19%	0.032%
61	5.595	5.577	5.609	VV	870	12279	0.23%	0.039%
62	5.621	5.609	5.645	VV	813	11776	0.22%	0.038%
63	5.674	5.645	5.725	VV	4171	70889	1.35%	0.226%
64	5.738	5.725	5.746	VV	518	5423	0.10%	0.017%
65	5.760	5.746	5.780	VV	707	7979	0.15%	0.025%
66	5.814	5.780	5.831	VV	12434	127804	2.44%	0.407%
67	5.848	5.831	5.962	VV	13042	158906	3.03%	0.506%
68	6.010	5.962	6.031	VV	7320	88795	1.70%	0.283%
69	6.042	6.031	6.061	VV	2372	25307	0.48%	0.081%
70	6.081	6.061	6.091	VV	1585	18223	0.35%	0.058%
71	6.111	6.091	6.152	VV	11292	166963	3.19%	0.532%
72	6.168	6.152	6.190	VV	4205	46894	0.90%	0.149%
73	6.208	6.190	6.225	VV	3375	36029	0.69%	0.115%
74	6.251	6.225	6.277	VV	1738	36167	0.69%	0.115%
75	6.298	6.277	6.321	VV	2764	36853	0.70%	0.117%
76	6.356	6.321	6.372	VV	3151	57238	1.09%	0.182%
77	6.391	6.372	6.412	VV	13693	141324	2.70%	0.450%
78	6.428	6.412	6.468	VV	3321	55546	1.06%	0.177%
79	6.491	6.468	6.512	VV	2752	38042	0.73%	0.121%
80	6.533	6.512	6.569	VV	4827	95845	1.83%	0.305%
81	6.581	6.569	6.606	VV	2038	32326	0.62%	0.103%
82	6.623	6.606	6.640	VV	3231	36910	0.70%	0.118%
83	6.664	6.640	6.702	VV	3563	75217	1.44%	0.240%
84	6.712	6.702	6.718	VV	761	6875	0.13%	0.022%
85	6.728	6.718	6.747	VV	778	12517	0.24%	0.040%
86	6.768	6.747	6.824	VV	2246	47336	0.90%	0.151%
87	6.849	6.824	6.898	VV	3690	53952	1.03%	0.172%
88	6.928	6.898	6.950	VV	2292	34647	0.66%	0.110%
89	6.968	6.950	6.991	VV	2401	37564	0.72%	0.120%

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90	7.002	6.991	7.025	VV	1949	22390	0.43%	0.071%
91	7.054	7.025	7.091	VV	1681	31650	0.60%	0.101%
92	7.102	7.091	7.116	VV	623	8130	0.16%	0.026%
93	7.137	7.116	7.158	VV	3800	41274	0.79%	0.132%
94	7.177	7.158	7.189	VV	1134	15085	0.29%	0.048%
95	7.201	7.189	7.228	VV	1090	18754	0.36%	0.060%
96	7.261	7.228	7.288	VV	2509	39675	0.76%	0.126%
97	7.300	7.288	7.316	VV	982	10774	0.21%	0.034%
98	7.335	7.316	7.350	VV	640	9832	0.19%	0.031%
99	7.387	7.350	7.407	VV	1422	28247	0.54%	0.090%
100	7.428	7.407	7.460	VV	2495	39071	0.75%	0.124%
101	7.490	7.460	7.519	VV	10119	118908	2.27%	0.379%
102	7.535	7.519	7.556	VV	1121	16855	0.32%	0.054%
103	7.575	7.556	7.611	VV	1534	27129	0.52%	0.086%
104	7.630	7.611	7.664	VV	5022	55582	1.06%	0.177%
105	7.698	7.664	7.721	VV	376	10505	0.20%	0.033%
106	7.735	7.721	7.751	VV	354	4729	0.09%	0.015%
107	7.800	7.751	7.834	VV	2218	30700	0.59%	0.098%
108	7.880	7.834	7.917	VV	554	17586	0.34%	0.056%
109	7.927	7.917	7.958	VV	266	3036	0.06%	0.010%
110	7.978	7.958	8.007	VV	562	7503	0.14%	0.024%
111	8.033	8.007	8.075	VV	346	6449	0.12%	0.021%
112	8.170	8.164	8.188	VV	273	2559	0.05%	0.008%
113	8.230	8.188	8.251	VV	675	15751	0.30%	0.050%
114	8.261	8.251	8.276	VV	555	6269	0.12%	0.020%
115	8.289	8.276	8.312	VV	612	6728	0.13%	0.021%
116	8.336	8.312	8.361	VV	410	5687	0.11%	0.018%
117	8.392	8.361	8.424	VV	644	14654	0.28%	0.047%
118	8.440	8.424	8.473	VV	420	6128	0.12%	0.020%
119	8.505	8.473	8.541	PV	984	19269	0.37%	0.061%
120	8.612	8.541	8.630	VV	1700	40940	0.78%	0.130%
121	8.640	8.630	8.654	VV	886	9688	0.18%	0.031%
122	8.684	8.654	8.747	VV	2319	46052	0.88%	0.147%
123	8.801	8.747	8.874	VV	1461	36322	0.69%	0.116%
124	8.892	8.874	8.908	VV	299	4240	0.08%	0.014%
125	8.919	8.908	8.928	VV	194	1640	0.03%	0.005%
126	8.941	8.928	8.957	VV	137	1915	0.04%	0.006%
127	9.056	9.038	9.084	VV	560	13281	0.25%	0.042%
128	9.160	9.084	9.214	VV	4342	126122	2.41%	0.402%
129	9.225	9.214	9.277	VV	957	20982	0.40%	0.067%
130	9.298	9.277	9.309	VV	646	9635	0.18%	0.031%
131	9.314	9.309	9.328	VV	532	5213	0.10%	0.017%
132	9.339	9.328	9.364	VV	389	7034	0.13%	0.022%
133	9.379	9.364	9.387	VV	426	5132	0.10%	0.016%
134	9.418	9.387	9.457	VV	2230	44384	0.85%	0.141%
135	9.466	9.457	9.488	VV	417	5379	0.10%	0.017%
136	9.515	9.488	9.546	VV	1283	20666	0.39%	0.066%
137	9.554	9.546	9.588	VV	507	7236	0.14%	0.023%
138	9.608	9.588	9.640	VV	221	4503	0.09%	0.014%
139	9.667	9.640	9.684	VV	339	5679	0.11%	0.018%
140	9.705	9.684	9.738	VV	470	8413	0.16%	0.027%
141	9.756	9.738	9.787	VV	232	3103	0.06%	0.010%

					rteres			
142	9.807	9.787	9.833	VV	240	3305	0.06%	0.011%
143	9.849	9.833	9.864	PV	262	2951	0.06%	0.009%
144	9.894	9.864	9.931	VV	535	13731	0.26%	0.044%
145	9.972	9.931	10.018	VV	1774	38462	0.73%	0.123%
146	10.035	10.018	10.061	VV	456	9597	0.18%	0.031%
147	10.073	10.061	10.118	VV	365	8534	0.16%	0.027%
148	10.171	10.118	10.280	VV	71275	743928	14.20%	2.370%
149	10.300	10.280	10.318	VV	959	12688	0.24%	0.040%
150	10.326	10.318	10.362	VV	584	8183	0.16%	0.026%
151	10.406	10.362	10.431	VV	228	5294	0.10%	0.017%
152	10.464	10.431	10.494	VV	190	5391	0.10%	0.017%
153	10.503	10.494	10.519	VV	144	1002	0.02%	0.003%
154	10.527	10.519	10.534	PV	35	293	0.01%	0.001%
155	10.543	10.534	10.577	VV	90	1001	0.02%	0.003%
156	10.587	10.577	10.615	VV	75	1014	0.02%	0.003%
157	10.647	10.615	10.675	PV	10175	108409	2.07%	0.345%
158	10.692	10.675	10.704	VV	419	5465	0.10%	0.017%
159	10.740	10.704	10.810	VV	4230	80821	1.54%	0.258%
160	10.825	10.810	10.877	VV	476	13592	0.26%	0.043%
161	10.888	10.877	10.898	VV	393	3642	0.07%	0.012%
162	10.904	10.898	10.918	VV	349	3467	0.07%	0.011%
163	10.967	10.918	10.984	VV	573	17026	0.33%	0.054%
164	10.995	10.984	11.012	VV	607	7161	0.14%	0.023%
165	11.041	11.012	11.082	VV	911	17647	0.34%	0.056%
166	11.115	11.082	11.127	VV	515	9417	0.18%	0.030%
167	11.145	11.127	11.171	VV	675	11626	0.22%	0.037%
168	11.184	11.171	11.213	VV	305	4889	0.09%	0.016%
169	11.267	11.213	11.278	VV	151	4827	0.09%	0.015%
170	11.303	11.278	11.336	VV	1380	17082	0.33%	0.054%
171	11.378	11.336	11.402	VV	2689	34999	0.67%	0.112%
172	11.440	11.402	11.458	VV	4211	60529	1.16%	0.193%
173	11.471	11.458	11.544	VV	2120	40133	0.77%	0.128%
174	11.559	11.544	11.572	VV	254	3423	0.07%	0.011%
175	11.591	11.572	11.641	VV	316	7704	0.15%	0.025%
176	11.679	11.641	11.704	VV	1594	23413	0.45%	0.075%
177	11.748	11.704	11.791	VV	766	19925	0.38%	0.063%
178	11.829	11.791	11.871	VV	487	12423	0.24%	0.040%
179	11.910	11.871	11.928	PV	226	3899	0.07%	0.012%
180	11.944	11.928	12.006	VV	370	7518	0.14%	0.024%
181	12.076	12.006	12.111	VV	498599	5237224	100.00%	16.687%
182	12.131	12.111	12.150	VV	1419	23450	0.45%	0.075%
183	12.167	12.150	12.190	VV	1566	23985	0.46%	0.076%
184	12.205	12.190	12.219	VV	1017	12532	0.24%	0.040%
185	12.234	12.219	12.274	VV	822	17661	0.34%	0.056%
186	12.289	12.274	12.315	VV	547	8000	0.15%	0.025%
187	12.357	12.315	12.371	PV	144	2593	0.05%	0.008%
188	12.416	12.371	12.449	VV	728	14661	0.28%	0.047%
189	12.470	12.449	12.482	VV	297	3707	0.07%	0.012%
190	12.536	12.482	12.564	VV	633	18718	0.36%	0.060%
191	12.581	12.564	12.624	VV	556	16324	0.31%	0.052%
192	12.666	12.624	12.740	VV	43354	562683	10.74%	1.793%
193	12.756	12.740	12.768	VV	1507	21265	0.41%	0.068%
194	12.787	12.768	12.837	VV	3402	62799	1.20%	0.200%

					rteres			
195	12.851	12.837	12.888	VV	650	17371	0.33%	0.055%
196	12.902	12.888	12.938	VV	707	14489	0.28%	0.046%
197	12.958	12.938	12.974	VV	408	7538	0.14%	0.024%
198	13.005	12.974	13.030	VV	817	17283	0.33%	0.055%
199	13.060	13.030	13.106	VV	1372	28926	0.55%	0.092%
200	13.130	13.106	13.202	VV	3117	70838	1.35%	0.226%
201	13.211	13.202	13.218	VV	147	1333	0.03%	0.004%
202	13.236	13.218	13.247	VV	289	3429	0.07%	0.011%
203	13.269	13.247	13.303	VV	785	14451	0.28%	0.046%
204	13.321	13.303	13.343	VV	493	7448	0.14%	0.024%
205	13.372	13.343	13.390	VV	365	8314	0.16%	0.026%
206	13.428	13.390	13.446	VV	3569	55040	1.05%	0.175%
207	13.465	13.446	13.480	VV	3483	44900	0.86%	0.143%
208	13.512	13.480	13.546	VV	351937	4047650	77.29%	12.897%
209	13.563	13.546	13.583	VV	533	9343	0.18%	0.030%
210	13.625	13.583	13.654	VV	544	15213	0.29%	0.048%
211	13.678	13.654	13.692	VV	830	12899	0.25%	0.041%
212	13.720	13.692	13.744	VV	1104	27818	0.53%	0.089%
213	13.764	13.744	13.784	VV	1070	21478	0.41%	0.068%
214	13.795	13.784	13.811	VV	837	12584	0.24%	0.040%
215	13.827	13.811	13.841	VV	721	11797	0.23%	0.038%
216	13.854	13.841	13.865	VV	733	9063	0.17%	0.029%
217	13.905	13.865	13.983	VV	6975	144881	2.77%	0.462%
218	14.018	13.983	14.048	VV	1989	43767	0.84%	0.139%
219	14.062	14.048	14.071	VV	716	8877	0.17%	0.028%
220	14.085	14.071	14.098	VV	636	9551	0.18%	0.030%
221	14.126	14.098	14.148	VV	1014	22039	0.42%	0.070%
222	14.170	14.148	14.188	VV	914	16191	0.31%	0.052%
223	14.215	14.188	14.238	VV	2149	33209	0.63%	0.106%
224	14.263	14.238	14.283	VV	1118	22884	0.44%	0.073%
225	14.295	14.283	14.317	VV	993	16612	0.32%	0.053%
226	14.337	14.317	14.367	VV	779	19882	0.38%	0.063%
227	14.395	14.367	14.430	VV	1306	28848	0.55%	0.092%
228	14.494	14.430	14.544	VV	703	36248	0.69%	0.115%
229	14.575	14.544	14.588	VV	481	11890	0.23%	0.038%
230	14.604	14.588	14.614	VV	504	7281	0.14%	0.023%
231	14.654	14.614	14.678	VV	1609	32001	0.61%	0.102%
232	14.703	14.678	14.740	VV	1323	29143	0.56%	0.093%
233	14.760	14.740	14.772	VV	722	12307	0.23%	0.039%
234	14.780	14.772	14.801	VV	710	9728	0.19%	0.031%
235	14.844	14.801	14.877	VV	1031	33532	0.64%	0.107%
236	14.897	14.877	14.919	VV	742	15811	0.30%	0.050%
237	14.953	14.919	14.977	VV	1101	28494	0.54%	0.091%
238	15.002	14.977	15.022	VV	1032	17455	0.33%	0.056%
239	15.055	15.022	15.097	VV	1032	25012	0.48%	0.080%
240	15.149	15.097	15.194	VV	1677	39644	0.76%	0.126%
241	15.210	15.194	15.242	VV	622	12125	0.23%	0.039%
242	15.266	15.242	15.284	VV	709	10683	0.20%	0.034%
243	15.311	15.284	15.326	VV	2610	35542	0.68%	0.113%
244	15.350	15.326	15.391	VV	3467	63915	1.22%	0.204%
245	15.415	15.391	15.450	VV	1178	18986	0.36%	0.060%
246	15.476	15.450	15.528	VV	937	18976	0.36%	0.060%

					rteres			
247	15.556	15.528	15.585	VV	288	4712	0.09%	0.015%
248	15.628	15.585	15.638	PV	313	6477	0.12%	0.021%
249	15.647	15.638	15.703	VV	264	6729	0.13%	0.021%
250	15.748	15.703	15.836	VV	21787	316268	6.04%	1.008%
251	15.852	15.836	15.867	VV	264	3281	0.06%	0.010%
252	15.892	15.867	15.927	VV	1120	18990	0.36%	0.061%
253	15.978	15.927	16.006	VV	2034	40253	0.77%	0.128%
254	16.024	16.006	16.058	VV	457	7806	0.15%	0.025%
255	16.069	16.058	16.084	VV	155	1809	0.03%	0.006%
256	16.148	16.084	16.184	PV	846	23137	0.44%	0.074%
257	16.226	16.184	16.248	VV	878	16824	0.32%	0.054%
258	16.268	16.248	16.293	VV	747	11986	0.23%	0.038%
259	16.309	16.293	16.325	VV	365	5006	0.10%	0.016%
260	16.333	16.325	16.365	VV	190	3424	0.07%	0.011%
261	16.394	16.365	16.441	VV	1234	21390	0.41%	0.068%
262	16.455	16.441	16.492	VV	348	4776	0.09%	0.015%
263	16.505	16.492	16.517	VV	155	1289	0.02%	0.004%
264	16.529	16.517	16.539	VV	121	930	0.02%	0.003%
265	16.597	16.539	16.640	PV	472	11980	0.23%	0.038%
266	16.702	16.640	16.717	VV	540	12249	0.23%	0.039%
267	16.766	16.717	16.820	VV	3092	63219	1.21%	0.201%
268	16.873	16.820	16.928	VV	7063	131614	2.51%	0.419%
269	16.959	16.928	16.979	VV	521	8045	0.15%	0.026%
270	17.004	16.979	17.028	VV	1533	20489	0.39%	0.065%
271	17.041	17.028	17.103	VV	404	9483	0.18%	0.030%
272	17.127	17.103	17.138	PV	682	7991	0.15%	0.025%
273	17.194	17.138	17.223	VV	4632	92560	1.77%	0.295%
274	17.251	17.223	17.293	VV	5101	65098	1.24%	0.207%
275	17.350	17.293	17.374	VV	2760	48635	0.93%	0.155%
276	17.396	17.374	17.448	VV	1839	38800	0.74%	0.124%
277	17.494	17.448	17.531	VV	626	17452	0.33%	0.056%
278	17.562	17.531	17.580	VV	363	7236	0.14%	0.023%
279	17.616	17.580	17.648	VV	1257	27492	0.52%	0.088%
280	17.663	17.648	17.684	VV	462	7304	0.14%	0.023%
281	17.709	17.684	17.734	VV	1859	28162	0.54%	0.090%
282	17.793	17.734	17.822	VV	3314	66091	1.26%	0.211%
283	17.841	17.822	17.858	PV	449	5188	0.10%	0.017%
284	17.881	17.858	17.896	VV	799	11229	0.21%	0.036%
285	17.917	17.896	17.944	VV	783	16623	0.32%	0.053%
286	17.963	17.944	17.993	VV	349	6837	0.13%	0.022%
287	18.022	17.993	18.058	VV	374	7170	0.14%	0.023%
288	18.098	18.058	18.109	PV	308	6146	0.12%	0.020%
289	18.114	18.109	18.121	VV	186	847	0.02%	0.003%
290	18.189	18.121	18.208	VV	1876	39968	0.76%	0.127%
291	18.234	18.208	18.268	VV	3288	58143	1.11%	0.185%
292	18.324	18.268	18.368	VV	2073	50931	0.97%	0.162%
293	18.399	18.368	18.412	VV	990	18865	0.36%	0.060%
294	18.426	18.412	18.444	VV	915	15190	0.29%	0.048%
295	18.474	18.444	18.496	VV	1112	23644	0.45%	0.075%
296	18.534	18.496	18.549	VV	1887	32129	0.61%	0.102%
297	18.593	18.549	18.610	VV	11461	190667	3.64%	0.608%
298	18.622	18.610	18.642	VV	7441	104376	1.99%	0.333%
299	18.660	18.642	18.694	VV	4824	85448	1.63%	0.272%

					rteres			
300	18.707	18.694	18.726	VV	883	12993	0.25%	0.041%
301	18.757	18.726	18.774	VV	2888	49803	0.95%	0.159%
302	18.788	18.774	18.848	VV	1989	39656	0.76%	0.126%
303	18.878	18.848	18.909	PV	6877	91394	1.75%	0.291%
304	18.924	18.909	18.936	VV	558	8176	0.16%	0.026%
305	18.966	18.936	18.988	VV	808	17794	0.34%	0.057%
306	19.010	18.988	19.033	VV	2095	33883	0.65%	0.108%
307	19.066	19.033	19.123	VV	4133	97181	1.86%	0.310%
308	19.189	19.123	19.221	VV	2450	93888	1.79%	0.299%
309	19.240	19.221	19.258	VV	1652	31729	0.61%	0.101%
310	19.284	19.258	19.301	VV	1837	39690	0.76%	0.126%
311	19.316	19.301	19.325	VV	1686	22613	0.43%	0.072%
312	19.423	19.325	19.451	VV	8919	272015	5.19%	0.867%
313	19.477	19.451	19.511	VV	5609	153446	2.93%	0.489%
314	19.557	19.511	19.596	VV	3505	145359	2.78%	0.463%
315	19.607	19.596	19.625	VV	2783	45346	0.87%	0.144%
316	19.672	19.625	19.691	VV	3055	108984	2.08%	0.347%
317	19.724	19.691	19.758	VV	3540	124372	2.37%	0.396%
318	19.771	19.758	19.789	VV	3101	53418	1.02%	0.170%
319	19.853	19.789	19.881	VV	4999	188753	3.60%	0.601%
320	19.962	19.881	19.995	VV	5315	272087	5.20%	0.867%
321	20.036	19.995	20.064	VV	7764	214220	4.09%	0.683%
322	20.101	20.064	20.129	VV	7002	215346	4.11%	0.686%
323	20.151	20.129	20.174	VV	6007	148962	2.84%	0.475%
324	20.229	20.174	20.256	VV	8065	322374	6.16%	1.027%
325	20.321	20.256	20.353	VV	6671	355023	6.78%	1.131%
326	20.414	20.353	20.438	VV	10094	384873	7.35%	1.226%
327	20.481	20.438	20.496	VV	8721	282997	5.40%	0.902%
328	20.554	20.496	20.571	VV	9295	386340	7.38%	1.231%
329	20.594	20.571	20.617	VV	9862	252841	4.83%	0.806%
330	20.634	20.617	20.654	VV	9115	202900	3.87%	0.646%
331	20.678	20.654	20.726	VV	9244	383156	7.32%	1.221%
332	20.762	20.726	20.798	VV	10615	398423	7.61%	1.269%
333	20.846	20.798	20.911	VV	10266	660870	12.62%	2.106%
334	20.956	20.911	21.052	VV	10332	785628	15.00%	2.503%
335	21.071	21.052	21.082	VV	8342	146954	2.81%	0.468%
336	21.089	21.082	21.111	VV	8224	142877	2.73%	0.455%
337	21.145	21.111	21.218	VV	8162	507713	9.69%	1.618%
338	21.224	21.218	21.254	VV	7677	163992	3.13%	0.523%
339	21.283	21.254	21.335	VV	7283	333826	6.37%	1.064%
340	21.369	21.335	21.438	VV	6512	339236	6.48%	1.081%
341	21.458	21.438	21.481	VV	4748	118804	2.27%	0.379%
342	21.491	21.481	21.518	VV	4358	91114	1.74%	0.290%
343	21.568	21.518	21.620	VV	4454	257893	4.92%	0.822%
344	21.662	21.620	21.711	VV	4014	204684	3.91%	0.652%
345	21.768	21.711	21.791	VV	3352	149770	2.86%	0.477%
346	21.859	21.791	21.888	VV	4493	215023	4.11%	0.685%
347	21.905	21.888	22.010	VV	3491	193645	3.70%	0.617%
348	22.038	22.010	22.061	VV	2162	59081	1.13%	0.188%
349	22.084	22.061	22.144	VV	2155	80123	1.53%	0.255%
350	22.174	22.144	22.227	VV	1880	54680	1.04%	0.174%
351	22.262	22.227	22.291	VV	1164	27653	0.53%	0.088%

					rteres				
352	22.323	22.291	22.337	VV	555	12536	0.24%	0.040%	
353	22.370	22.337	22.392	VV	767	16590	0.32%	0.053%	
					Sum of corrected areas:	31385160			

Aliphatic EPH 062725.M Thu Jul 03 05:44:12 2025

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX7	SDG No.:	Q2480
Lab Sample ID:	Q2480-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.8
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 20:53	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.34		1	1.34	2.27	mg/kg	FE054678.D
Aliphatic C9-C28	Aliphatic C9-C28	36.8		1	1.03	4.55	mg/kg	FE054678.D
Total AliphaticEPH	Total AliphaticEPH	42.1			2.37	6.82	mg/kg	
Total EPH	Total EPH	42.1			2.37	6.82	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX7	SDG No.:	Q2480
Lab Sample ID:	Q2480-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.8
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054678.D	1	07/02/25	07/02/25	PB168702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	36.8		1.03	4.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.34		1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.4		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.0		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2480-07	Acq On:	02 Jul 2025 20:53
Client Sample ID:	GPX7	Operator:	YP\AJ
Data file:	FE054678.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.951	49366253	362.84	300	ug/ml
Aliphatic C12-C16	6.952	10.402	11713126	83.327	200	ug/ml
Aliphatic C16-C21	10.403	13.777	2697510	18.682	300	ug/ml
Aliphatic C21-C28	13.778	17.448	3003677	20.765	400	ug/ml
Aliphatic C28-C40	17.449	22.462	9782592	70.557	600	ug/ml
Aliphatic EPH	3.319	22.462	76563158	556.171		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	4715622	29.04		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	3963092	31.38		ug/ml
Aliphatic C9-C28	3.319	17.448	66780566	485.614	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
 Data File : FE054678.D
 Signal(s) : FID1B.ch
 Acq On : 02 Jul 2025 20:53
 Operator : YP\AJ
 Sample : Q2480-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 GPX7

Integration File: autoint1.e
 Quant Time: Jul 03 05:11:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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	4715622	29.038 ug/ml
Spiked Amount 50.000		Recovery =	58.08%
12) S 1-chlorooctadecane (S...	13.512	3963092	31.380 ug/ml
Spiked Amount 50.000		Recovery =	62.76%

Target Compounds

(f)=RT Delta > 1/2 Window

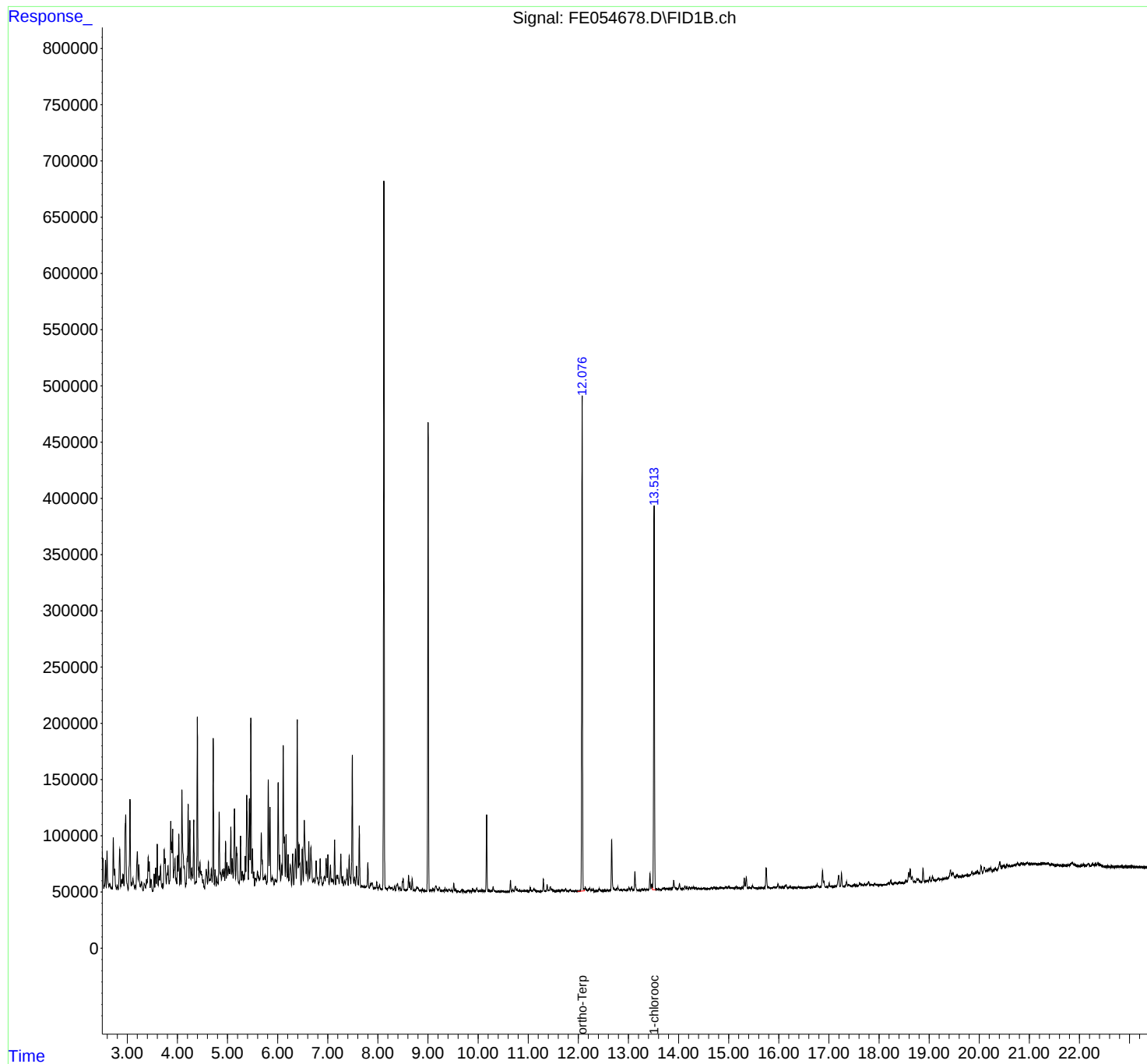
(m)=manual int.

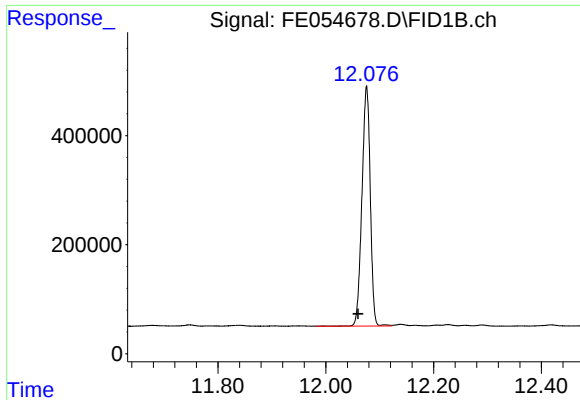
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
Data File : FE054678.D
Signal(s) : FID1B.ch
Acq On : 02 Jul 2025 20:53
Operator : YP\AJ
Sample : Q2480-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
GPX7

Integration File: autoint1.e
Quant Time: Jul 03 05:11:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

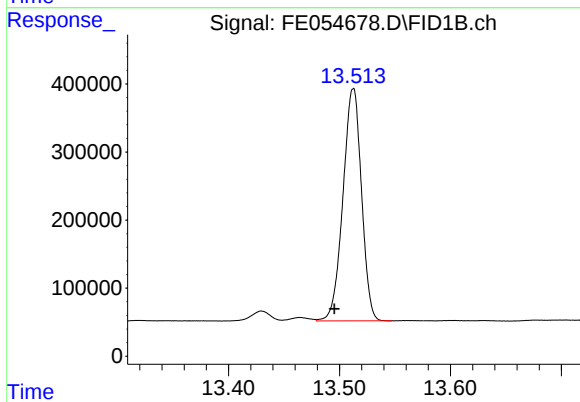




#9 ortho-Terphenyl (SURR)

R.T.: 12.076 min
Delta R.T.: 0.016 min
Response: 4715622
Conc: 29.04 ug/ml

Instrument :
FID_E
ClientSampleId :
GPX7



#12 1-chlorooctadecane (SURR)

R.T.: 13.512 min
Delta R.T.: 0.017 min
Response: 3963092
Conc: 31.38 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
Data File : FE054678.D
Signal(s) : FID1B.ch
Acq On : 02 Jul 2025 20:53
Sample : Q2480-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	2.849	2.805	2.870	BV	33771	414590	8.77%	0.464%
2	2.887	2.870	2.899	VV	7493	92735	1.96%	0.104%
3	2.915	2.899	2.933	VV	12283	152270	3.22%	0.170%
4	2.967	2.933	3.015	VV	66873	1159585	24.54%	1.297%
5	3.054	3.015	3.078	PV	80414	1003316	21.24%	1.122%
6	3.089	3.078	3.097	VV	6465	62237	1.32%	0.070%
7	3.112	3.097	3.143	VV	10629	186197	3.94%	0.208%
8	3.156	3.143	3.168	VV	4185	49016	1.04%	0.055%
9	3.200	3.168	3.217	VV	34986	550036	11.64%	0.615%
10	3.230	3.217	3.258	VV	23191	311811	6.60%	0.349%
11	3.285	3.258	3.314	VV	8122	144569	3.06%	0.162%
12	3.338	3.314	3.363	VV	6541	118238	2.50%	0.132%
13	3.384	3.363	3.395	VV	10442	136965	2.90%	0.153%
14	3.417	3.395	3.428	VV	30237	379575	8.03%	0.425%
15	3.438	3.428	3.457	VV	26489	282058	5.97%	0.316%
16	3.474	3.457	3.510	VV	10399	156083	3.30%	0.175%
17	3.535	3.510	3.551	PV	15618	165787	3.51%	0.185%
18	3.566	3.551	3.581	VV	21029	232381	4.92%	0.260%
19	3.598	3.581	3.617	VV	42060	449113	9.51%	0.502%
20	3.633	3.617	3.645	VV	13673	179363	3.80%	0.201%
21	3.664	3.645	3.693	VV	22651	353103	7.47%	0.395%
22	3.705	3.693	3.718	VV	6802	76159	1.61%	0.085%
23	3.736	3.718	3.779	VV	37308	772892	16.36%	0.865%
24	3.813	3.779	3.835	VV	22667	488434	10.34%	0.546%
25	3.868	3.835	3.894	VV	62234	1101772	23.32%	1.232%
26	3.905	3.894	3.923	VV	55277	627557	13.28%	0.702%
27	3.951	3.923	3.987	VV	29052	647652	13.71%	0.724%
28	4.004	3.987	4.014	VV	31699	339120	7.18%	0.379%
29	4.028	4.014	4.047	VV	50868	554099	11.73%	0.620%
30	4.061	4.047	4.074	VV	20384	220707	4.67%	0.247%
31	4.091	4.074	4.164	VV	89440	1698698	35.95%	1.900%
32	4.215	4.164	4.232	VV	77391	1170882	24.78%	1.310%
33	4.248	4.232	4.271	VV	62945	771459	16.33%	0.863%
34	4.285	4.271	4.308	VV	20553	335846	7.11%	0.376%
35	4.326	4.308	4.350	VV	63280	753512	15.95%	0.843%
36	4.398	4.350	4.432	VV	155678	1894210	40.09%	2.119%

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37	4.450	4.432	4.504	VV	25888	719729	15.23%	0.805%
38	4.514	4.504	4.541	VV	10339	144296	3.05%	0.161%
39	4.575	4.541	4.600	VV	19783	421115	8.91%	0.471%
40	4.619	4.600	4.642	VV	26150	387249	8.20%	0.433%
41	4.676	4.642	4.693	VV	20086	393381	8.33%	0.440%
42	4.715	4.693	4.736	VV	135906	1382301	29.26%	1.546%
43	4.752	4.736	4.773	VV	19347	266850	5.65%	0.299%
44	4.788	4.773	4.815	VV	12591	215568	4.56%	0.241%
45	4.833	4.815	4.878	VV	70250	1001787	21.20%	1.121%
46	4.897	4.878	4.913	VV	19331	326704	6.91%	0.365%
47	4.928	4.913	4.944	VV	20242	298680	6.32%	0.334%
48	4.961	4.944	4.976	VV	44655	501214	10.61%	0.561%
49	4.990	4.976	5.006	VV	25601	352109	7.45%	0.394%
50	5.021	5.006	5.035	VV	22496	321744	6.81%	0.360%
51	5.066	5.035	5.082	VV	56690	813943	17.23%	0.910%
52	5.095	5.082	5.112	VV	29275	375935	7.96%	0.421%
53	5.138	5.112	5.161	VV	73497	1121392	23.73%	1.254%
54	5.178	5.161	5.229	VV	39524	859612	18.19%	0.962%
55	5.259	5.229	5.279	VV	49235	653256	13.83%	0.731%
56	5.294	5.279	5.312	VV	17942	283135	5.99%	0.317%
57	5.324	5.312	5.335	VV	14786	177990	3.77%	0.199%
58	5.353	5.335	5.365	VV	31562	394464	8.35%	0.441%
59	5.384	5.365	5.414	VV	84601	1365077	28.89%	1.527%
60	5.436	5.414	5.450	VV	82627	1065283	22.55%	1.192%
61	5.465	5.450	5.484	VV	154612	1552212	32.85%	1.736%
62	5.496	5.484	5.514	VV	37980	458740	9.71%	0.513%
63	5.523	5.514	5.540	VV	17585	190675	4.04%	0.213%
64	5.559	5.540	5.577	VV	11440	220627	4.67%	0.247%
65	5.597	5.577	5.636	VV	17763	470903	9.97%	0.527%
66	5.673	5.636	5.713	VV	52239	1101131	23.31%	1.232%
67	5.737	5.713	5.748	VV	13418	254933	5.40%	0.285%
68	5.760	5.748	5.778	VV	14068	191737	4.06%	0.214%
69	5.813	5.778	5.830	VV	99740	1183827	25.06%	1.324%
70	5.847	5.830	5.871	VV	74797	926312	19.61%	1.036%
71	5.891	5.871	5.928	VV	13016	352557	7.46%	0.394%
72	5.949	5.928	5.962	VV	10401	175570	3.72%	0.196%
73	5.971	5.962	5.981	VV	9781	108636	2.30%	0.122%
74	6.010	5.981	6.032	VV	96575	1272194	26.93%	1.423%
75	6.042	6.032	6.060	VV	32570	368038	7.79%	0.412%
76	6.080	6.060	6.091	VV	23426	315967	6.69%	0.353%
77	6.111	6.091	6.152	VV	129990	1999177	42.31%	2.236%
78	6.168	6.152	6.193	VV	50560	667306	14.12%	0.746%
79	6.208	6.193	6.225	VV	32976	390076	8.26%	0.436%
80	6.251	6.225	6.277	VV	23875	506199	10.71%	0.566%
81	6.300	6.277	6.321	VV	33677	490590	10.38%	0.549%
82	6.355	6.321	6.372	VV	37671	679499	14.38%	0.760%
83	6.391	6.372	6.412	VV	152335	1620742	34.30%	1.813%
84	6.428	6.412	6.467	VV	41850	794765	16.82%	0.889%
85	6.491	6.467	6.512	VV	37832	554249	11.73%	0.620%
86	6.532	6.512	6.569	VV	63448	1227222	25.97%	1.373%
87	6.580	6.569	6.605	VV	26714	433894	9.18%	0.485%
88	6.622	6.605	6.639	VV	44363	507548	10.74%	0.568%
89	6.664	6.639	6.700	VV	39137	794218	16.81%	0.888%

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90	6.725	6.700	6.743	VV	11603	252086	5.34%	0.282%
91	6.768	6.743	6.818	VV	27554	627550	13.28%	0.702%
92	6.849	6.818	6.897	VV	29150	604306	12.79%	0.676%
93	6.936	6.897	6.950	VV	13436	324288	6.86%	0.363%
94	6.968	6.950	6.988	VV	29394	475633	10.07%	0.532%
95	7.003	6.988	7.026	VV	32908	425121	9.00%	0.476%
96	7.054	7.026	7.071	VV	23556	377785	8.00%	0.423%
97	7.080	7.071	7.092	VV	11467	127912	2.71%	0.143%
98	7.104	7.092	7.117	VV	10623	139609	2.95%	0.156%
99	7.137	7.117	7.158	VV	46127	540904	11.45%	0.605%
100	7.177	7.158	7.188	VV	14487	207135	4.38%	0.232%
101	7.200	7.188	7.228	VV	14798	274784	5.82%	0.307%
102	7.261	7.228	7.286	VV	33477	568775	12.04%	0.636%
103	7.298	7.286	7.316	VV	13509	172902	3.66%	0.193%
104	7.336	7.316	7.352	VV	9694	176138	3.73%	0.197%
105	7.387	7.352	7.408	VV	19335	395702	8.38%	0.443%
106	7.428	7.408	7.459	VV	32157	509415	10.78%	0.570%
107	7.490	7.459	7.519	VV	120850	1462860	30.96%	1.636%
108	7.535	7.519	7.554	VV	12725	203421	4.31%	0.228%
109	7.576	7.554	7.609	VV	22819	404987	8.57%	0.453%
110	7.630	7.609	7.663	VV	58065	694941	14.71%	0.777%
111	7.679	7.663	7.692	VV	5437	85051	1.80%	0.095%
112	7.700	7.692	7.718	VV	4799	69565	1.47%	0.078%
113	7.735	7.718	7.749	VV	5241	80618	1.71%	0.090%
114	7.800	7.749	7.828	VV	25998	410871	8.70%	0.460%
115	7.859	7.828	7.867	VV	6966	124499	2.64%	0.139%
116	7.882	7.867	7.914	VV	7753	167193	3.54%	0.187%
117	7.928	7.914	7.952	VV	3473	70282	1.49%	0.079%
118	7.978	7.952	8.004	VV	8606	148047	3.13%	0.166%
119	8.033	8.004	8.053	VV	5955	115938	2.45%	0.130%
120	8.062	8.053	8.084	VV	2750	45969	0.97%	0.051%
121	8.171	8.160	8.186	VV	2992	40007	0.85%	0.045%
122	8.228	8.186	8.249	VV	4574	130321	2.76%	0.146%
123	8.263	8.249	8.277	VV	3632	54001	1.14%	0.060%
124	8.287	8.277	8.307	VV	3599	49852	1.06%	0.056%
125	8.334	8.307	8.353	VV	4902	81258	1.72%	0.091%
126	8.392	8.353	8.418	VV	7417	172406	3.65%	0.193%
127	8.439	8.418	8.470	VV	4274	85663	1.81%	0.096%
128	8.504	8.470	8.548	VV	11600	231986	4.91%	0.260%
129	8.556	8.548	8.578	VV	1624	27620	0.58%	0.031%
130	8.612	8.578	8.629	VV	14656	188926	4.00%	0.211%
131	8.640	8.629	8.659	VV	8292	91005	1.93%	0.102%
132	8.685	8.659	8.713	VV	11622	160098	3.39%	0.179%
133	8.731	8.713	8.745	VV	1809	26854	0.57%	0.030%
134	8.777	8.745	8.837	VV	3916	134637	2.85%	0.151%
135	8.855	8.837	8.872	VV	1934	27182	0.58%	0.030%
136	8.891	8.872	8.924	VV	2694	40636	0.86%	0.045%
137	8.941	8.924	8.956	VV	1315	16144	0.34%	0.018%
138	9.065	9.033	9.081	VV	1396	32096	0.68%	0.036%
139	9.100	9.081	9.122	VV	2340	39399	0.83%	0.044%
140	9.157	9.122	9.199	VV	5311	143825	3.04%	0.161%
141	9.227	9.199	9.267	VV	4162	81577	1.73%	0.091%

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142	9.284	9.267	9.300	VV	1068	19438	0.41%	0.022%
143	9.312	9.300	9.323	VV	1275	14518	0.31%	0.016%
144	9.340	9.323	9.360	VV	2716	35003	0.74%	0.039%
145	9.375	9.360	9.394	VV	1793	23070	0.49%	0.026%
146	9.418	9.394	9.449	VV	2315	47146	1.00%	0.053%
147	9.466	9.449	9.482	VV	1574	21777	0.46%	0.024%
148	9.515	9.482	9.537	VV	7624	96035	2.03%	0.107%
149	9.552	9.537	9.591	VV	2551	36174	0.77%	0.040%
150	9.607	9.591	9.635	VV	445	7750	0.16%	0.009%
151	9.670	9.635	9.686	VV	1818	23630	0.50%	0.026%
152	9.702	9.686	9.734	VV	1855	22816	0.48%	0.026%
153	9.753	9.734	9.770	VV	416	5107	0.11%	0.006%
154	9.807	9.770	9.838	VV	1606	27916	0.59%	0.031%
155	9.850	9.838	9.866	VV	523	6690	0.14%	0.007%
156	9.892	9.866	9.945	VV	3094	57198	1.21%	0.064%
157	9.973	9.945	10.005	VV	3066	58827	1.25%	0.066%
158	10.040	10.005	10.058	VV	1183	29659	0.63%	0.033%
159	10.074	10.058	10.089	VV	1410	19484	0.41%	0.022%
160	10.097	10.089	10.128	VV	953	15442	0.33%	0.017%
161	10.171	10.128	10.199	VV	68548	694193	14.69%	0.777%
162	10.216	10.199	10.251	VV	1387	30887	0.65%	0.035%
163	10.266	10.251	10.281	VV	821	12783	0.27%	0.014%
164	10.300	10.281	10.356	VV	4569	69511	1.47%	0.078%
165	10.366	10.356	10.390	VV	394	6522	0.14%	0.007%
166	10.407	10.390	10.444	VV	562	9588	0.20%	0.011%
167	10.477	10.444	10.558	VV	681	17432	0.37%	0.019%
168	10.582	10.558	10.611	PV	330	4425	0.09%	0.005%
169	10.647	10.611	10.671	VV	10201	111485	2.36%	0.125%
170	10.691	10.671	10.713	VV	1902	28099	0.59%	0.031%
171	10.741	10.713	10.764	VV	4762	74423	1.58%	0.083%
172	10.777	10.764	10.805	VV	2278	34464	0.73%	0.039%
173	10.822	10.805	10.864	VV	1493	29340	0.62%	0.033%
174	10.896	10.864	10.929	VV	1098	25532	0.54%	0.029%
175	10.963	10.929	11.009	VV	920	31871	0.67%	0.036%
176	11.042	11.009	11.085	VV	3826	61626	1.30%	0.069%
177	11.113	11.085	11.178	VV	2520	60378	1.28%	0.068%
178	11.193	11.178	11.218	VV	479	6900	0.15%	0.008%
179	11.235	11.218	11.255	VV	245	4390	0.09%	0.005%
180	11.302	11.255	11.339	VV	11102	122833	2.60%	0.137%
181	11.378	11.339	11.416	VV	6183	85694	1.81%	0.096%
182	11.439	11.416	11.458	VV	4249	60467	1.28%	0.068%
183	11.471	11.458	11.540	VV	2204	44879	0.95%	0.050%
184	11.554	11.540	11.567	VV	410	4505	0.10%	0.005%
185	11.606	11.567	11.641	VV	1001	22823	0.48%	0.026%
186	11.679	11.641	11.712	VV	1551	34666	0.73%	0.039%
187	11.748	11.712	11.771	VV	2540	39059	0.83%	0.044%
188	11.779	11.771	11.807	VV	429	7889	0.17%	0.009%
189	11.839	11.807	11.878	VV	1688	30112	0.64%	0.034%
190	11.904	11.878	11.927	VV	545	6802	0.14%	0.008%
191	11.950	11.927	11.981	VV	474	7935	0.17%	0.009%
192	11.994	11.981	12.007	PV	211	2365	0.05%	0.003%
193	12.076	12.007	12.122	VV	436973	4724696	100.00%	5.285%
194	12.139	12.122	12.191	VV	3328	67264	1.42%	0.075%

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195	12.227	12.191	12.245	VV	2848	54427	1.15%	0.061%
196	12.259	12.245	12.273	VV	1475	17243	0.36%	0.019%
197	12.290	12.273	12.321	VV	2026	25394	0.54%	0.028%
198	12.358	12.321	12.377	PV	271	2877	0.06%	0.003%
199	12.418	12.377	12.484	VV	2165	42248	0.89%	0.047%
200	12.517	12.484	12.561	VV	384	14718	0.31%	0.016%
201	12.581	12.561	12.621	VV	1156	17969	0.38%	0.020%
202	12.665	12.621	12.742	VV	45747	589121	12.47%	0.659%
203	12.758	12.742	12.768	VV	1432	19798	0.42%	0.022%
204	12.787	12.768	12.821	VV	3284	55925	1.18%	0.063%
205	12.834	12.821	12.885	VV	1024	27090	0.57%	0.030%
206	12.902	12.885	12.939	VV	1307	24821	0.53%	0.028%
207	13.011	12.939	13.031	VV	2401	49413	1.05%	0.055%
208	13.061	13.031	13.108	VV	2597	57607	1.22%	0.064%
209	13.129	13.108	13.175	VV	16932	215757	4.57%	0.241%
210	13.184	13.175	13.205	VV	297	3705	0.08%	0.004%
211	13.231	13.205	13.241	VV	261	4406	0.09%	0.005%
212	13.269	13.241	13.300	VV	1172	22208	0.47%	0.025%
213	13.319	13.300	13.335	VV	1121	15452	0.33%	0.017%
214	13.344	13.335	13.369	VV	704	12300	0.26%	0.014%
215	13.373	13.369	13.393	VV	551	6470	0.14%	0.007%
216	13.430	13.393	13.449	VV	14856	181199	3.84%	0.203%
217	13.465	13.449	13.479	VV	5419	65932	1.40%	0.074%
218	13.512	13.479	13.546	VV	342333	3981971	84.28%	4.454%
219	13.562	13.546	13.588	VV	782	14827	0.31%	0.017%
220	13.602	13.588	13.621	VV	866	12877	0.27%	0.014%
221	13.631	13.621	13.655	VV	674	8126	0.17%	0.009%
222	13.701	13.655	13.740	VV	1467	55013	1.16%	0.062%
223	13.762	13.740	13.806	VV	1734	43341	0.92%	0.048%
224	13.827	13.806	13.842	VV	1347	21353	0.45%	0.024%
225	13.856	13.842	13.871	VV	1080	16017	0.34%	0.018%
226	13.905	13.871	13.970	VV	8527	166800	3.53%	0.187%
227	14.019	13.970	14.051	VV	5437	103186	2.18%	0.115%
228	14.066	14.051	14.075	VV	892	12164	0.26%	0.014%
229	14.090	14.075	14.103	VV	1057	16047	0.34%	0.018%
230	14.128	14.103	14.150	VV	3584	56965	1.21%	0.064%
231	14.168	14.150	14.198	VV	2131	37172	0.79%	0.042%
232	14.216	14.198	14.237	VV	2562	37931	0.80%	0.042%
233	14.263	14.237	14.282	VV	1922	38240	0.81%	0.043%
234	14.298	14.282	14.321	VV	2036	35507	0.75%	0.040%
235	14.340	14.321	14.369	VV	1815	33909	0.72%	0.038%
236	14.395	14.369	14.432	VV	1254	31586	0.67%	0.035%
237	14.500	14.432	14.548	VV	1158	50975	1.08%	0.057%
238	14.555	14.548	14.578	VV	670	10618	0.22%	0.012%
239	14.605	14.578	14.624	VV	698	16217	0.34%	0.018%
240	14.657	14.624	14.681	VV	1648	33654	0.71%	0.038%
241	14.705	14.681	14.745	VV	1776	49769	1.05%	0.056%
242	14.778	14.745	14.799	VV	1015	28107	0.59%	0.031%
243	14.832	14.799	14.851	VV	1608	37129	0.79%	0.042%
244	14.857	14.851	14.880	VV	1373	20827	0.44%	0.023%
245	14.898	14.880	14.914	VV	1109	18947	0.40%	0.021%
246	14.937	14.914	14.980	VV	2045	52478	1.11%	0.059%

					rteres			
247	15.001	14.980	15.022	VV	3092	43756	0.93%	0.049%
248	15.060	15.022	15.103	VV	1162	43286	0.92%	0.048%
249	15.149	15.103	15.171	VV	1923	41851	0.89%	0.047%
250	15.184	15.171	15.201	VV	1125	15622	0.33%	0.017%
251	15.210	15.201	15.236	VV	752	12219	0.26%	0.014%
252	15.266	15.236	15.283	VV	1113	18412	0.39%	0.021%
253	15.311	15.283	15.329	VV	9499	118855	2.52%	0.133%
254	15.352	15.329	15.388	VV	10382	157616	3.34%	0.176%
255	15.415	15.388	15.440	VV	1075	21759	0.46%	0.024%
256	15.476	15.440	15.533	VV	2480	56705	1.20%	0.063%
257	15.549	15.533	15.588	VV	738	14142	0.30%	0.016%
258	15.617	15.588	15.645	VV	872	20056	0.42%	0.022%
259	15.654	15.645	15.665	VV	761	8049	0.17%	0.009%
260	15.673	15.665	15.695	VV	656	8953	0.19%	0.010%
261	15.748	15.695	15.841	VV	18364	297349	6.29%	0.333%
262	15.854	15.841	15.864	VV	389	3875	0.08%	0.004%
263	15.908	15.864	15.928	VV	1267	33701	0.71%	0.038%
264	15.943	15.928	15.956	VV	1037	13235	0.28%	0.015%
265	15.984	15.956	16.007	VV	3748	59875	1.27%	0.067%
266	16.024	16.007	16.051	VV	1525	21132	0.45%	0.024%
267	16.071	16.051	16.096	VV	1087	18007	0.38%	0.020%
268	16.148	16.096	16.185	VV	2609	65542	1.39%	0.073%
269	16.226	16.185	16.249	VV	1368	26262	0.56%	0.029%
270	16.267	16.249	16.290	VV	794	12171	0.26%	0.014%
271	16.310	16.290	16.335	VV	759	11309	0.24%	0.013%
272	16.393	16.335	16.445	VV	1203	28951	0.61%	0.032%
273	16.451	16.445	16.472	VV	339	2835	0.06%	0.003%
274	16.491	16.472	16.506	PV	218	2474	0.05%	0.003%
275	16.591	16.506	16.615	PV	674	17160	0.36%	0.019%
276	16.624	16.615	16.640	VV	482	4664	0.10%	0.005%
277	16.662	16.640	16.671	VV	448	5514	0.12%	0.006%
278	16.697	16.671	16.717	VV	858	16606	0.35%	0.019%
279	16.765	16.717	16.820	VV	2446	60550	1.28%	0.068%
280	16.873	16.820	16.892	VV	15140	213587	4.52%	0.239%
281	16.900	16.892	16.937	VV	5760	62956	1.33%	0.070%
282	16.959	16.937	16.977	VV	513	7129	0.15%	0.008%
283	17.005	16.977	17.027	VV	3084	39123	0.83%	0.044%
284	17.041	17.027	17.081	VV	819	14331	0.30%	0.016%
285	17.127	17.081	17.145	VV	915	16058	0.34%	0.018%
286	17.195	17.145	17.223	VV	10161	182527	3.86%	0.204%
287	17.252	17.223	17.297	VV	12213	151345	3.20%	0.169%
288	17.352	17.297	17.376	PV	4317	72060	1.53%	0.081%
289	17.397	17.376	17.445	VV	1634	36470	0.77%	0.041%
290	17.503	17.445	17.538	VV	1370	40256	0.85%	0.045%
291	17.560	17.538	17.575	VV	743	10436	0.22%	0.012%
292	17.616	17.575	17.648	VV	2503	59031	1.25%	0.066%
293	17.661	17.648	17.685	VV	1133	18439	0.39%	0.021%
294	17.712	17.685	17.732	VV	1688	27261	0.58%	0.030%
295	17.756	17.732	17.768	VV	1328	21593	0.46%	0.024%
296	17.793	17.768	17.822	VV	3612	64741	1.37%	0.072%
297	17.839	17.822	17.860	VV	910	13156	0.28%	0.015%
298	17.879	17.860	17.892	VV	692	10608	0.22%	0.012%
299	17.915	17.892	17.941	VV	1652	28860	0.61%	0.032%

					rteres			
300	17.958	17.941	17.995	VV	546	9575	0.20%	0.011%
301	18.027	17.995	18.051	VV	592	9745	0.21%	0.011%
302	18.097	18.051	18.119	PV	269	5177	0.11%	0.006%
303	18.191	18.119	18.208	PV	1600	35526	0.75%	0.040%
304	18.234	18.208	18.271	VV	3612	66263	1.40%	0.074%
305	18.325	18.271	18.342	VV	1609	38696	0.82%	0.043%
306	18.351	18.342	18.371	VV	1137	14548	0.31%	0.016%
307	18.420	18.371	18.441	VV	1317	43360	0.92%	0.049%
308	18.468	18.441	18.497	VV	1037	27638	0.58%	0.031%
309	18.533	18.497	18.551	VV	3335	52956	1.12%	0.059%
310	18.591	18.551	18.606	VV	9494	162724	3.44%	0.182%
311	18.623	18.606	18.644	VV	12921	185148	3.92%	0.207%
312	18.660	18.644	18.694	VV	6014	105666	2.24%	0.118%
313	18.708	18.694	18.730	VV	1347	21604	0.46%	0.024%
314	18.757	18.730	18.774	VV	4190	65533	1.39%	0.073%
315	18.788	18.774	18.847	VV	3507	64843	1.37%	0.073%
316	18.878	18.847	18.905	PV	12508	154921	3.28%	0.173%
317	18.917	18.905	18.935	VV	780	11204	0.24%	0.013%
318	18.961	18.935	18.983	VV	1360	26616	0.56%	0.030%
319	19.010	18.983	19.034	VV	4152	62488	1.32%	0.070%
320	19.067	19.034	19.092	VV	4324	75546	1.60%	0.085%
321	19.103	19.092	19.127	VV	1248	19252	0.41%	0.022%
322	19.188	19.127	19.218	VV	2215	70985	1.50%	0.079%
323	19.240	19.218	19.257	VV	1307	24820	0.53%	0.028%
324	19.284	19.257	19.294	VV	1419	25768	0.55%	0.029%
325	19.315	19.294	19.331	VV	1774	33610	0.71%	0.038%
326	19.355	19.331	19.371	VV	1572	35644	0.75%	0.040%
327	19.425	19.371	19.451	VV	8072	204664	4.33%	0.229%
328	19.472	19.451	19.508	VV	5584	142685	3.02%	0.160%
329	19.558	19.508	19.598	VV	3318	129690	2.74%	0.145%
330	19.612	19.598	19.626	VV	2195	33898	0.72%	0.038%
331	19.668	19.626	19.690	VV	2641	83092	1.76%	0.093%
332	19.723	19.690	19.752	VV	2802	88315	1.87%	0.099%
333	19.768	19.752	19.786	VV	2664	48959	1.04%	0.055%
334	19.854	19.786	19.881	VV	5147	179094	3.79%	0.200%
335	19.898	19.881	19.910	VV	3530	58212	1.23%	0.065%
336	19.928	19.910	19.937	VV	3944	59646	1.26%	0.067%
337	19.964	19.937	19.995	VV	5228	145364	3.08%	0.163%
338	20.036	19.995	20.065	VV	9076	224668	4.76%	0.251%
339	20.102	20.065	20.132	VV	7973	228287	4.83%	0.255%
340	20.155	20.132	20.173	VV	5529	121605	2.57%	0.136%
341	20.195	20.173	20.211	VV	5936	124777	2.64%	0.140%
342	20.228	20.211	20.261	VV	7048	167035	3.54%	0.187%
343	20.318	20.261	20.348	VV	6238	262603	5.56%	0.294%
344	20.413	20.348	20.439	VV	11585	406422	8.60%	0.455%
345	20.482	20.439	20.525	VV	8197	366714	7.76%	0.410%
346	20.555	20.525	20.575	VV	8171	218200	4.62%	0.244%
347	20.593	20.575	20.618	VV	7868	189106	4.00%	0.212%
348	20.686	20.618	20.711	VV	7563	394990	8.36%	0.442%
349	20.763	20.711	20.791	VV	8996	372929	7.89%	0.417%
350	20.843	20.791	20.886	VV	8428	444742	9.41%	0.497%
351	20.913	20.886	20.926	VV	7711	181983	3.85%	0.204%

						rteres		
352	20.960	20.926	21.017	VV	8453	418286	8.85%	0.468%
353	21.069	21.017	21.101	VV	6980	348900	7.38%	0.390%
354	21.115	21.101	21.151	VV	6736	193575	4.10%	0.217%
355	21.277	21.151	21.340	VV	6635	703076	14.88%	0.786%
356	21.372	21.340	21.414	VV	6133	244963	5.18%	0.274%
357	21.451	21.414	21.524	VV	4905	283155	5.99%	0.317%
358	21.563	21.524	21.632	VV	3798	216181	4.58%	0.242%
359	21.640	21.632	21.651	VV	2964	33363	0.71%	0.037%
360	21.681	21.651	21.706	VV	3274	97623	2.07%	0.109%
361	21.733	21.706	21.744	VV	2728	60822	1.29%	0.068%
362	21.765	21.744	21.794	VV	2799	77306	1.64%	0.086%
363	21.858	21.794	22.001	VV	4655	302956	6.41%	0.339%
364	22.029	22.001	22.058	VV	1367	35613	0.75%	0.040%
365	22.082	22.058	22.123	VV	1619	45754	0.97%	0.051%
366	22.177	22.123	22.225	VV	2232	60098	1.27%	0.067%
367	22.264	22.225	22.293	PV	1693	29880	0.63%	0.033%
368	22.322	22.293	22.340	PV	534	9124	0.19%	0.010%
						Sum of corrected areas:		89396190

Aliphatic EPH 062725.M Thu Jul 03 05:45:19 2025

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX8	SDG No.:	Q2480
Lab Sample ID:	Q2480-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 21:24	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.35		1	1.35	2.29	mg/kg FE054679.D
Aliphatic C9-C28	Aliphatic C9-C28	47.3		1	1.04	4.59	mg/kg FE054679.D
Total AliphaticEPH	Total AliphaticEPH	53.7			2.39	6.88	mg/kg
Total EPH	Total EPH	53.7			2.39	6.88	mg/kg

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	07/01/25
Project:	Lexington	Date Received:	07/01/25
Client Sample ID:	GPX8	SDG No.:	Q2480
Lab Sample ID:	Q2480-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054679.D	1	07/02/25	07/02/25	PB168702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	47.3		1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.35		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.6		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.6		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2480-08	Acq On:	02 Jul 2025 21:24
Client Sample ID:	GPX8	Operator:	YP\AJ
Data file:	FE054679.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.951	61528928	452.235	300	ug/ml
Aliphatic C12-C16	6.952	10.402	14123911	100.477	200	ug/ml
Aliphatic C16-C21	10.403	13.777	3122692	21.626	300	ug/ml
Aliphatic C21-C28	13.778	17.448	6609485	45.692	400	ug/ml
Aliphatic C28-C40	17.449	22.462	11522473	83.106	600	ug/ml
Aliphatic EPH	3.319	22.462	96907489	703.138		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	4801239	29.57		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	3989935	31.59		ug/ml
Aliphatic C9-C28	3.319	17.448	85385016	620.03	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
 Data File : FE054679.D
 Signal(s) : FID1B.ch
 Acq On : 02 Jul 2025 21:24
 Operator : YP\AJ
 Sample : Q2480-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 GPX8

Integration File: autoint1.e
 Quant Time: Jul 03 05:11:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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	4801239	29.565 ug/ml
Spiked Amount 50.000		Recovery =	59.13%
12) S 1-chlorooctadecane (S...	13.512	3989935	31.592 ug/ml
Spiked Amount 50.000		Recovery =	63.18%

Target Compounds

(f)=RT Delta > 1/2 Window

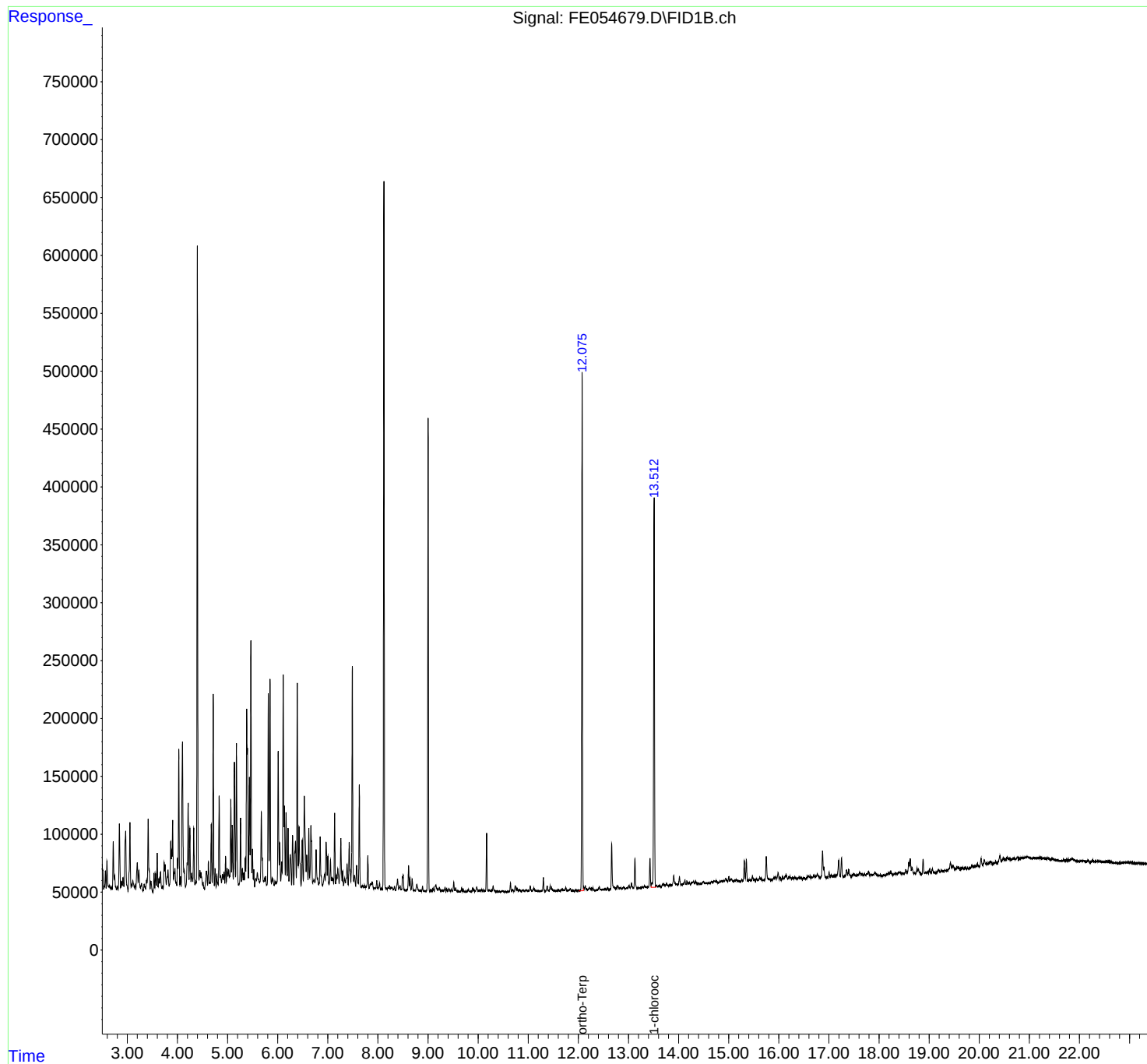
(m)=manual int.

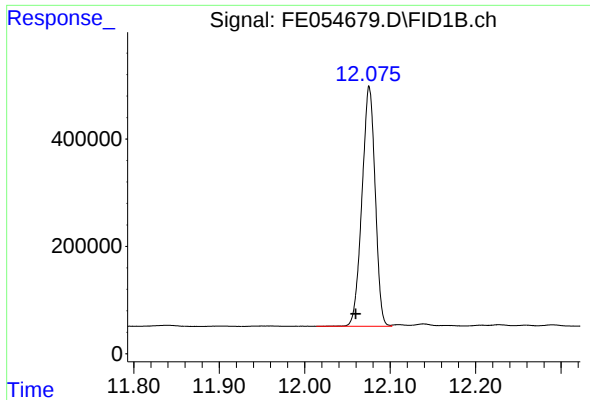
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
Data File : FE054679.D
Signal(s) : FID1B.ch
Acq On : 02 Jul 2025 21:24
Operator : YP\AJ
Sample : Q2480-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
GPX8

Integration File: autoint1.e
Quant Time: Jul 03 05:11:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

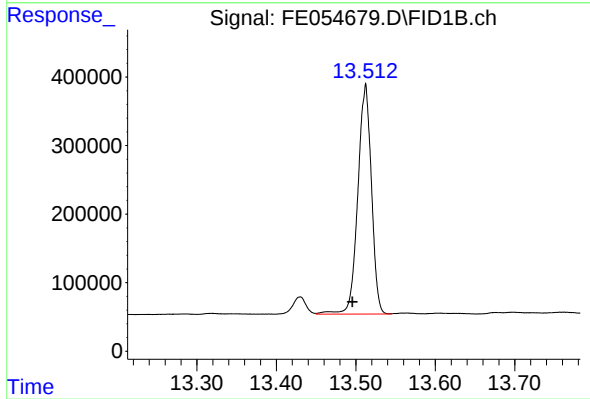




#9 ortho-Terphenyl (SURR)

R.T.: 12.076 min
Delta R.T.: 0.016 min
Response: 4801239
Conc: 29.57 ug/ml

Instrument :
FID_E
ClientSampleId :
GPX8



#12 1-chlorooctadecane (SURR)

R.T.: 13.512 min
Delta R.T.: 0.016 min
Response: 3989935
Conc: 31.59 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
Data File : FE054679.D
Signal(s) : FID1B.ch
Acq On : 02 Jul 2025 21:24
Sample : Q2480-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	2.842	2.804	2.868	BV	55253	624755	11.22%	0.572%
2	2.886	2.868	2.898	VV	5967	74239	1.33%	0.068%
3	2.914	2.898	2.932	VV	9924	120496	2.16%	0.110%
4	2.966	2.932	3.013	VV	49618	880402	15.81%	0.806%
5	3.052	3.013	3.076	PV	58792	749743	13.46%	0.686%
6	3.088	3.076	3.096	VV	5518	54975	0.99%	0.050%
7	3.111	3.096	3.140	VV	8654	154237	2.77%	0.141%
8	3.154	3.140	3.168	VV	4798	59088	1.06%	0.054%
9	3.198	3.168	3.216	VV	24213	390920	7.02%	0.358%
10	3.230	3.216	3.260	VV	17764	268845	4.83%	0.246%
11	3.283	3.260	3.312	VV	6762	114404	2.05%	0.105%
12	3.336	3.312	3.361	VV	5957	96835	1.74%	0.089%
13	3.383	3.361	3.393	VV	9314	119023	2.14%	0.109%
14	3.417	3.393	3.456	VV	62498	887038	15.93%	0.812%
15	3.472	3.456	3.509	VV	8876	129538	2.33%	0.119%
16	3.534	3.509	3.549	PV	15655	159225	2.86%	0.146%
17	3.565	3.549	3.580	VV	15477	175950	3.16%	0.161%
18	3.597	3.580	3.616	VV	32962	351810	6.32%	0.322%
19	3.631	3.616	3.644	VV	11343	144625	2.60%	0.132%
20	3.663	3.644	3.691	VV	16909	264575	4.75%	0.242%
21	3.704	3.691	3.715	VV	4930	53867	0.97%	0.049%
22	3.735	3.715	3.745	VV	25431	271489	4.88%	0.249%
23	3.754	3.745	3.778	VV	23511	305819	5.49%	0.280%
24	3.811	3.778	3.835	VV	18746	392578	7.05%	0.359%
25	3.867	3.835	3.878	VV	43130	536119	9.63%	0.491%
26	3.905	3.878	3.924	VV	61721	960073	17.24%	0.879%
27	3.950	3.924	3.988	VV	20139	468662	8.42%	0.429%
28	4.028	3.988	4.049	VV	122958	1517756	27.26%	1.390%
29	4.060	4.049	4.073	VV	13193	139754	2.51%	0.128%
30	4.101	4.073	4.162	VV	129493	2217229	39.82%	2.030%
31	4.214	4.162	4.232	VV	76409	1117210	20.06%	1.023%
32	4.248	4.232	4.271	VV	54904	662442	11.90%	0.607%
33	4.285	4.271	4.308	VV	15613	258689	4.65%	0.237%
34	4.326	4.308	4.350	VV	54900	655888	11.78%	0.601%
35	4.398	4.350	4.431	VV	555264	5568095	100.00%	5.098%
36	4.449	4.431	4.461	VV	18311	259856	4.67%	0.238%

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37	4.470	4.461	4.503	VV	16637	304395	5.47%	0.279%
38	4.513	4.503	4.541	VV	8036	113554	2.04%	0.104%
39	4.578	4.541	4.600	VV	17952	378336	6.79%	0.346%
40	4.618	4.600	4.654	VV	25726	407329	7.32%	0.373%
41	4.675	4.654	4.694	VV	58293	662966	11.91%	0.607%
42	4.715	4.694	4.736	VV	170218	1677061	30.12%	1.536%
43	4.752	4.736	4.771	VV	20142	252059	4.53%	0.231%
44	4.787	4.771	4.814	VV	15145	230108	4.13%	0.211%
45	4.833	4.814	4.878	VV	82152	1050219	18.86%	0.962%
46	4.899	4.878	4.913	VV	14866	248366	4.46%	0.227%
47	4.929	4.913	4.944	VV	16984	244609	4.39%	0.224%
48	4.961	4.944	4.976	VV	30673	348876	6.27%	0.319%
49	4.992	4.976	5.007	VV	19989	290379	5.22%	0.266%
50	5.021	5.007	5.036	VV	18797	271700	4.88%	0.249%
51	5.065	5.036	5.081	VV	79369	930681	16.71%	0.852%
52	5.095	5.081	5.114	VV	57571	662148	11.89%	0.606%
53	5.137	5.114	5.159	VV	111050	1468089	26.37%	1.344%
54	5.177	5.159	5.224	VV	127764	1607409	28.87%	1.472%
55	5.259	5.224	5.279	VV	63349	765592	13.75%	0.701%
56	5.295	5.279	5.311	VV	20040	288033	5.17%	0.264%
57	5.324	5.311	5.336	VV	16399	195409	3.51%	0.179%
58	5.353	5.336	5.363	VV	29077	333823	6.00%	0.306%
59	5.383	5.363	5.416	VV	154958	2742843	49.26%	2.511%
60	5.436	5.416	5.449	VV	98592	1164217	20.91%	1.066%
61	5.465	5.449	5.484	VV	215235	2145690	38.54%	1.965%
62	5.496	5.484	5.512	VV	36663	412391	7.41%	0.378%
63	5.523	5.512	5.541	VV	19199	207639	3.73%	0.190%
64	5.563	5.541	5.576	VV	10807	194467	3.49%	0.178%
65	5.594	5.576	5.638	VV	16516	432973	7.78%	0.396%
66	5.674	5.638	5.723	VV	68914	1264867	22.72%	1.158%
67	5.738	5.723	5.748	VV	11699	148612	2.67%	0.136%
68	5.759	5.748	5.780	VV	13420	183937	3.30%	0.168%
69	5.813	5.780	5.830	VV	170068	1841176	33.07%	1.686%
70	5.847	5.830	5.874	VV	183463	1921383	34.51%	1.759%
71	5.891	5.874	5.930	VV	11969	309837	5.56%	0.284%
72	5.947	5.930	5.960	VV	8668	130235	2.34%	0.119%
73	5.972	5.960	5.979	VV	8204	90190	1.62%	0.083%
74	6.010	5.979	6.031	VV	121264	1481496	26.61%	1.357%
75	6.043	6.031	6.061	VV	42597	475257	8.54%	0.435%
76	6.080	6.061	6.090	VV	25947	316204	5.68%	0.290%
77	6.111	6.090	6.152	VV	186750	2815417	50.56%	2.578%
78	6.168	6.152	6.190	VV	68442	794365	14.27%	0.727%
79	6.208	6.190	6.226	VV	55020	616605	11.07%	0.565%
80	6.251	6.226	6.277	VV	31541	644117	11.57%	0.590%
81	6.298	6.277	6.321	VV	48539	680696	12.22%	0.623%
82	6.355	6.321	6.371	VV	43607	855148	15.36%	0.783%
83	6.391	6.371	6.412	VV	179995	1907381	34.26%	1.746%
84	6.428	6.412	6.467	VV	56307	936740	16.82%	0.858%
85	6.490	6.467	6.511	VV	44552	603095	10.83%	0.552%
86	6.532	6.511	6.568	VV	82527	1539423	27.65%	1.410%
87	6.581	6.568	6.605	VV	31758	501661	9.01%	0.459%
88	6.622	6.605	6.640	VV	54772	603809	10.84%	0.553%
89	6.664	6.640	6.700	VV	56787	1090155	19.58%	0.998%

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90	6.726	6.700	6.742	VV	10527	232550	4.18%	0.213%
91	6.768	6.742	6.818	VV	36298	693484	12.45%	0.635%
92	6.849	6.818	6.897	VV	47756	778201	13.98%	0.713%
93	6.937	6.897	6.949	VV	15287	327381	5.88%	0.300%
94	6.968	6.949	6.989	VV	42563	669525	12.02%	0.613%
95	7.002	6.989	7.025	VV	30760	385250	6.92%	0.353%
96	7.054	7.025	7.071	VV	27591	415314	7.46%	0.380%
97	7.080	7.071	7.092	VV	12486	139957	2.51%	0.128%
98	7.103	7.092	7.116	VV	11625	144970	2.60%	0.133%
99	7.137	7.116	7.158	VV	67944	745199	13.38%	0.682%
100	7.175	7.158	7.185	VV	14546	194208	3.49%	0.178%
101	7.201	7.185	7.227	VV	20017	361888	6.50%	0.331%
102	7.261	7.227	7.285	VV	46171	738236	13.26%	0.676%
103	7.298	7.285	7.316	VV	18236	223011	4.01%	0.204%
104	7.336	7.316	7.354	VV	11607	203099	3.65%	0.186%
105	7.386	7.354	7.407	VV	23535	449241	8.07%	0.411%
106	7.428	7.407	7.460	VV	43007	686892	12.34%	0.629%
107	7.490	7.460	7.520	VV	194209	2187988	39.30%	2.003%
108	7.535	7.520	7.556	VV	14202	232762	4.18%	0.213%
109	7.576	7.556	7.608	VV	22525	402227	7.22%	0.368%
110	7.630	7.608	7.663	VV	92339	1024057	18.39%	0.938%
111	7.679	7.663	7.686	VV	4880	63276	1.14%	0.058%
112	7.700	7.686	7.717	VV	5043	85164	1.53%	0.078%
113	7.734	7.717	7.750	VV	5968	88992	1.60%	0.081%
114	7.800	7.750	7.828	VV	31205	462566	8.31%	0.424%
115	7.861	7.828	7.870	VV	7193	148095	2.66%	0.136%
116	7.890	7.870	7.918	VV	8316	169086	3.04%	0.155%
117	7.928	7.918	7.939	VV	3338	39528	0.71%	0.036%
118	7.978	7.939	8.003	VV	9614	182788	3.28%	0.167%
119	8.033	8.003	8.087	VV	7756	184535	3.31%	0.169%
120	8.172	8.159	8.186	VV	3437	46681	0.84%	0.043%
121	8.202	8.186	8.214	VV	3728	53955	0.97%	0.049%
122	8.231	8.214	8.250	VV	5447	87642	1.57%	0.080%
123	8.265	8.250	8.278	VV	3703	56064	1.01%	0.051%
124	8.286	8.278	8.307	VV	3835	50948	0.92%	0.047%
125	8.332	8.307	8.352	VV	4826	75074	1.35%	0.069%
126	8.392	8.352	8.420	VV	11185	212115	3.81%	0.194%
127	8.440	8.420	8.470	VV	5243	95795	1.72%	0.088%
128	8.504	8.470	8.547	VV	14810	297007	5.33%	0.272%
129	8.567	8.547	8.581	VV	1457	27532	0.49%	0.025%
130	8.612	8.581	8.628	VV	22932	274198	4.92%	0.251%
131	8.640	8.628	8.660	VV	12295	133302	2.39%	0.122%
132	8.684	8.660	8.714	VV	11144	154477	2.77%	0.141%
133	8.731	8.714	8.747	VV	1670	25653	0.46%	0.023%
134	8.777	8.747	8.841	VV	6419	154905	2.78%	0.142%
135	8.855	8.841	8.870	VV	1728	20907	0.38%	0.019%
136	8.890	8.870	8.926	VV	4806	61921	1.11%	0.057%
137	8.941	8.926	8.957	VV	1074	13583	0.24%	0.012%
138	9.063	9.034	9.079	VV	1300	28356	0.51%	0.026%
139	9.100	9.079	9.123	VV	2563	43666	0.78%	0.040%
140	9.155	9.123	9.193	VV	5547	147369	2.65%	0.135%
141	9.226	9.193	9.251	VV	3926	82720	1.49%	0.076%

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142	9.288	9.251	9.320	VV	1205	40112	0.72%	0.037%
143	9.340	9.320	9.360	VV	3969	50084	0.90%	0.046%
144	9.375	9.360	9.398	VV	2111	27709	0.50%	0.025%
145	9.416	9.398	9.445	VV	2469	43982	0.79%	0.040%
146	9.466	9.445	9.484	VV	2549	33034	0.59%	0.030%
147	9.514	9.484	9.538	VV	8550	107859	1.94%	0.099%
148	9.552	9.538	9.591	VV	3587	47562	0.85%	0.044%
149	9.603	9.591	9.637	VV	346	6530	0.12%	0.006%
150	9.670	9.637	9.686	VV	2854	33182	0.60%	0.030%
151	9.701	9.686	9.737	VV	2782	30868	0.55%	0.028%
152	9.754	9.737	9.767	VV	312	3300	0.06%	0.003%
153	9.807	9.767	9.832	PV	2538	40285	0.72%	0.037%
154	9.848	9.832	9.862	VV	460	6091	0.11%	0.006%
155	9.891	9.862	9.908	VV	3637	45913	0.82%	0.042%
156	9.916	9.908	9.940	VV	1546	18742	0.34%	0.017%
157	9.972	9.940	10.005	VV	3964	75465	1.36%	0.069%
158	10.042	10.005	10.057	VV	1345	31636	0.57%	0.029%
159	10.072	10.057	10.088	VV	1805	24503	0.44%	0.022%
160	10.100	10.088	10.121	VV	1451	20662	0.37%	0.019%
161	10.170	10.121	10.198	VV	50997	530425	9.53%	0.486%
162	10.217	10.198	10.245	VV	1441	30825	0.55%	0.028%
163	10.265	10.245	10.281	VV	1203	20419	0.37%	0.019%
164	10.300	10.281	10.355	VV	5120	76521	1.37%	0.070%
165	10.368	10.355	10.390	VV	398	6478	0.12%	0.006%
166	10.411	10.390	10.444	VV	574	10484	0.19%	0.010%
167	10.479	10.444	10.521	VV	899	19208	0.34%	0.018%
168	10.533	10.521	10.558	VV	179	2019	0.04%	0.002%
169	10.580	10.558	10.598	PV	338	4374	0.08%	0.004%
170	10.609	10.598	10.618	VV	131	1432	0.03%	0.001%
171	10.646	10.618	10.670	VV	7776	87895	1.58%	0.080%
172	10.691	10.670	10.713	VV	2093	30734	0.55%	0.028%
173	10.742	10.713	10.764	VV	5028	84510	1.52%	0.077%
174	10.777	10.764	10.802	VV	3081	43956	0.79%	0.040%
175	10.820	10.802	10.867	VV	2257	42113	0.76%	0.039%
176	10.894	10.867	10.930	VV	1530	35125	0.63%	0.032%
177	10.961	10.930	10.985	VV	1052	28941	0.52%	0.026%
178	10.994	10.985	11.009	VV	842	10284	0.18%	0.009%
179	11.041	11.009	11.084	VV	4302	70860	1.27%	0.065%
180	11.112	11.084	11.169	VV	2899	65059	1.17%	0.060%
181	11.187	11.169	11.220	VV	435	9546	0.17%	0.009%
182	11.265	11.220	11.277	VV	435	9338	0.17%	0.009%
183	11.302	11.277	11.334	VV	11897	128559	2.31%	0.118%
184	11.377	11.334	11.413	VV	4522	72792	1.31%	0.067%
185	11.440	11.413	11.458	VV	4772	64249	1.15%	0.059%
186	11.470	11.458	11.538	VV	2301	49490	0.89%	0.045%
187	11.556	11.538	11.568	VV	412	5740	0.10%	0.005%
188	11.607	11.568	11.634	VV	1154	26568	0.48%	0.024%
189	11.679	11.634	11.717	VV	1604	45742	0.82%	0.042%
190	11.748	11.717	11.769	VV	3106	46171	0.83%	0.042%
191	11.780	11.769	11.808	VV	563	11222	0.20%	0.010%
192	11.839	11.808	11.877	VV	2168	38482	0.69%	0.035%
193	11.903	11.877	11.927	VV	594	8293	0.15%	0.008%
194	11.957	11.927	11.980	PV	691	13566	0.24%	0.012%

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195	11.995	11.980	12.014	VV	330	4695	0.08%	0.004%
196	12.076	12.014	12.102	VV	445171	4805760	86.31%	4.400%
197	12.110	12.102	12.122	VV	3102	30426	0.55%	0.028%
198	12.139	12.122	12.158	VV	4364	59239	1.06%	0.054%
199	12.167	12.158	12.187	VV	1649	20126	0.36%	0.018%
200	12.227	12.187	12.245	VV	2934	60101	1.08%	0.055%
201	12.259	12.245	12.273	VV	2033	23996	0.43%	0.022%
202	12.290	12.273	12.342	VV	2555	36488	0.66%	0.033%
203	12.363	12.342	12.373	PV	252	3252	0.06%	0.003%
204	12.419	12.373	12.454	VV	2990	56693	1.02%	0.052%
205	12.467	12.454	12.481	VV	501	6349	0.11%	0.006%
206	12.499	12.481	12.506	VV	491	5558	0.10%	0.005%
207	12.531	12.506	12.560	VV	812	18716	0.34%	0.017%
208	12.580	12.560	12.604	VV	1530	20687	0.37%	0.019%
209	12.665	12.604	12.745	VV	39944	529204	9.50%	0.485%
210	12.758	12.745	12.767	VV	1373	15187	0.27%	0.014%
211	12.787	12.767	12.821	VV	3384	57908	1.04%	0.053%
212	12.834	12.821	12.847	VV	1335	16755	0.30%	0.015%
213	12.856	12.847	12.875	VV	941	12327	0.22%	0.011%
214	12.902	12.875	12.940	VV	1652	34024	0.61%	0.031%
215	12.959	12.940	12.967	VV	757	7701	0.14%	0.007%
216	12.982	12.967	12.990	VV	1017	10897	0.20%	0.010%
217	13.012	12.990	13.032	VV	2992	43773	0.79%	0.040%
218	13.061	13.032	13.104	VV	3870	75124	1.35%	0.069%
219	13.129	13.104	13.171	VV	25928	314311	5.64%	0.288%
220	13.183	13.171	13.201	VV	481	5544	0.10%	0.005%
221	13.285	13.201	13.300	VV	930	27322	0.49%	0.025%
222	13.318	13.300	13.376	VV	1725	43459	0.78%	0.040%
223	13.430	13.376	13.451	VV	25795	303331	5.45%	0.278%
224	13.512	13.451	13.544	VV	326500	4006780	71.96%	3.669%
225	13.562	13.544	13.588	VV	1577	29411	0.53%	0.027%
226	13.605	13.588	13.651	VV	1312	34907	0.63%	0.032%
227	13.697	13.651	13.738	VV	2537	85929	1.54%	0.079%
228	13.760	13.738	13.801	VV	2499	62500	1.12%	0.057%
229	13.827	13.801	13.845	VV	1762	32624	0.59%	0.030%
230	13.853	13.845	13.867	VV	1275	15729	0.28%	0.014%
231	13.904	13.867	13.973	VV	9530	220762	3.96%	0.202%
232	14.018	13.973	14.051	VV	8428	155235	2.79%	0.142%
233	14.127	14.051	14.149	VV	4697	124863	2.24%	0.114%
234	14.168	14.149	14.196	VV	4182	70432	1.26%	0.064%
235	14.215	14.196	14.238	VV	3073	50972	0.92%	0.047%
236	14.262	14.238	14.279	VV	3006	54866	0.99%	0.050%
237	14.298	14.279	14.318	VV	3892	66261	1.19%	0.061%
238	14.341	14.318	14.377	VV	3585	78279	1.41%	0.072%
239	14.414	14.377	14.433	VV	1746	45369	0.81%	0.042%
240	14.447	14.433	14.457	VV	1400	16949	0.30%	0.016%
241	14.498	14.457	14.542	VV	2872	101494	1.82%	0.093%
242	14.564	14.542	14.583	VV	1783	36898	0.66%	0.034%
243	14.600	14.583	14.614	VV	1668	26360	0.47%	0.024%
244	14.656	14.614	14.674	VV	2891	69242	1.24%	0.063%
245	14.708	14.674	14.740	VV	3037	98691	1.77%	0.090%
246	14.754	14.740	14.798	VV	3309	72382	1.30%	0.066%

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247	14.832	14.798	14.844	VV	2673	55284	0.99%	0.051%
248	14.858	14.844	14.877	VV	2927	49256	0.88%	0.045%
249	14.898	14.877	14.914	VV	2766	54894	0.99%	0.050%
250	14.937	14.914	14.981	VV	4961	133228	2.39%	0.122%
251	15.001	14.981	15.020	VV	6333	91952	1.65%	0.084%
252	15.058	15.020	15.097	VV	4202	137068	2.46%	0.126%
253	15.120	15.097	15.131	VV	2619	46888	0.84%	0.043%
254	15.150	15.131	15.170	VV	3296	62419	1.12%	0.057%
255	15.184	15.170	15.204	VV	2662	45486	0.82%	0.042%
256	15.218	15.204	15.241	VV	1965	37592	0.68%	0.034%
257	15.262	15.241	15.280	VV	2961	50150	0.90%	0.046%
258	15.311	15.280	15.331	VV	19315	260349	4.68%	0.238%
259	15.352	15.331	15.394	VV	20158	291465	5.23%	0.267%
260	15.417	15.394	15.439	VV	2752	60291	1.08%	0.055%
261	15.476	15.439	15.498	VV	4963	110893	1.99%	0.102%
262	15.510	15.498	15.538	VV	2684	52630	0.95%	0.048%
263	15.556	15.538	15.586	VV	2863	65215	1.17%	0.060%
264	15.621	15.586	15.641	VV	3750	90421	1.62%	0.083%
265	15.652	15.641	15.705	VV	2987	79971	1.44%	0.073%
266	15.750	15.705	15.791	VV	21679	366465	6.58%	0.336%
267	15.797	15.791	15.841	VV	2878	63484	1.14%	0.058%
268	15.909	15.841	15.924	VV	3410	107360	1.93%	0.098%
269	15.944	15.924	15.959	VV	4040	67767	1.22%	0.062%
270	15.986	15.959	16.008	VV	7610	133141	2.39%	0.122%
271	16.024	16.008	16.050	VV	3821	63934	1.15%	0.059%
272	16.070	16.050	16.088	VV	3244	54594	0.98%	0.050%
273	16.097	16.088	16.106	VV	2466	25486	0.46%	0.023%
274	16.150	16.106	16.181	VV	4959	152991	2.75%	0.140%
275	16.225	16.181	16.251	VV	3618	106634	1.92%	0.098%
276	16.271	16.251	16.293	VV	2376	49457	0.89%	0.045%
277	16.313	16.293	16.324	VV	2130	35045	0.63%	0.032%
278	16.337	16.324	16.371	VV	2087	47498	0.85%	0.043%
279	16.398	16.371	16.411	VV	2325	47590	0.85%	0.044%
280	16.432	16.411	16.474	VV	2378	70010	1.26%	0.064%
281	16.496	16.474	16.534	VV	1571	43018	0.77%	0.039%
282	16.593	16.534	16.611	VV	3475	101588	1.82%	0.093%
283	16.624	16.611	16.641	VV	2805	40945	0.74%	0.037%
284	16.658	16.641	16.671	VV	2341	36012	0.65%	0.033%
285	16.701	16.671	16.721	VV	3431	80230	1.44%	0.073%
286	16.731	16.721	16.741	VV	2617	31380	0.56%	0.029%
287	16.767	16.741	16.818	VV	4544	134346	2.41%	0.123%
288	16.873	16.818	16.892	VV	23884	375405	6.74%	0.344%
289	16.901	16.892	16.938	VV	10515	135701	2.44%	0.124%
290	16.960	16.938	16.979	VV	1536	31808	0.57%	0.029%
291	17.004	16.979	17.028	VV	5628	88888	1.60%	0.081%
292	17.042	17.028	17.085	VV	3189	78832	1.42%	0.072%
293	17.123	17.085	17.139	VV	2618	69194	1.24%	0.063%
294	17.195	17.139	17.224	VV	15504	306960	5.51%	0.281%
295	17.252	17.224	17.297	VV	17668	267200	4.80%	0.245%
296	17.353	17.297	17.373	VV	6705	140995	2.53%	0.129%
297	17.395	17.373	17.438	VV	7173	142667	2.56%	0.131%
298	17.500	17.438	17.525	VV	3318	110960	1.99%	0.102%
299	17.535	17.525	17.547	VV	1677	19811	0.36%	0.018%

					rteres			
300	17.565	17.547	17.574	VV	1950	29727	0.53%	0.027%
301	17.616	17.574	17.647	VV	4053	123028	2.21%	0.113%
302	17.663	17.647	17.694	VV	2420	54916	0.99%	0.050%
303	17.712	17.694	17.732	VV	2569	43926	0.79%	0.040%
304	17.756	17.732	17.767	VV	2911	44470	0.80%	0.041%
305	17.788	17.767	17.818	VV	4662	93182	1.67%	0.085%
306	17.840	17.818	17.862	VV	2157	41652	0.75%	0.038%
307	17.917	17.862	17.997	VV	3225	137789	2.47%	0.126%
308	18.025	17.997	18.061	VV	1048	24958	0.45%	0.023%
309	18.099	18.061	18.128	VV	814	20402	0.37%	0.019%
310	18.189	18.128	18.207	VV	2235	62850	1.13%	0.058%
311	18.234	18.207	18.269	VV	4109	84830	1.52%	0.078%
312	18.324	18.269	18.341	VV	2024	53515	0.96%	0.049%
313	18.354	18.341	18.368	VV	1634	21912	0.39%	0.020%
314	18.406	18.368	18.453	VV	2716	101856	1.83%	0.093%
315	18.477	18.453	18.498	VV	1751	36542	0.66%	0.033%
316	18.534	18.498	18.552	VV	4367	75341	1.35%	0.069%
317	18.593	18.552	18.606	VV	10724	177489	3.19%	0.163%
318	18.623	18.606	18.646	VV	13923	214936	3.86%	0.197%
319	18.661	18.646	18.694	VV	5862	101716	1.83%	0.093%
320	18.710	18.694	18.734	VV	1312	25054	0.45%	0.023%
321	18.760	18.734	18.775	VV	5421	78659	1.41%	0.072%
322	18.788	18.775	18.852	VV	4444	77891	1.40%	0.071%
323	18.879	18.852	18.906	PV	12602	161691	2.90%	0.148%
324	18.963	18.906	18.980	VV	1800	49439	0.89%	0.045%
325	19.011	18.980	19.038	VV	3980	68685	1.23%	0.063%
326	19.066	19.038	19.094	VV	4067	67622	1.21%	0.062%
327	19.102	19.094	19.128	VV	940	11644	0.21%	0.011%
328	19.189	19.128	19.211	VV	2851	65309	1.17%	0.060%
329	19.244	19.211	19.267	VV	1775	46258	0.83%	0.042%
330	19.278	19.267	19.295	VV	1591	21193	0.38%	0.019%
331	19.312	19.295	19.328	VV	1938	31519	0.57%	0.029%
332	19.356	19.328	19.371	VV	1820	43536	0.78%	0.040%
333	19.424	19.371	19.451	VV	7785	208449	3.74%	0.191%
334	19.477	19.451	19.507	VV	5196	142951	2.57%	0.131%
335	19.558	19.507	19.614	VV	4038	184431	3.31%	0.169%
336	19.669	19.614	19.697	VV	3322	126743	2.28%	0.116%
337	19.719	19.697	19.784	VV	2889	126453	2.27%	0.116%
338	19.795	19.784	19.810	VV	2464	34466	0.62%	0.032%
339	19.856	19.810	19.881	VV	4744	144814	2.60%	0.133%
340	19.900	19.881	19.937	VV	3954	120648	2.17%	0.110%
341	19.963	19.937	19.998	VV	5698	155723	2.80%	0.143%
342	20.036	19.998	20.066	VV	10153	246329	4.42%	0.226%
343	20.101	20.066	20.131	VV	8611	242245	4.35%	0.222%
344	20.151	20.131	20.172	VV	5864	131165	2.36%	0.120%
345	20.195	20.172	20.208	VV	5936	119831	2.15%	0.110%
346	20.230	20.208	20.260	VV	7099	189498	3.40%	0.174%
347	20.324	20.260	20.348	VV	6465	288116	5.17%	0.264%
348	20.414	20.348	20.438	VV	11634	411792	7.40%	0.377%
349	20.480	20.438	20.496	VV	8998	274131	4.92%	0.251%
350	20.506	20.496	20.525	VV	8183	138928	2.50%	0.127%
351	20.556	20.525	20.578	VV	9548	269611	4.84%	0.247%

						rters			
352	20.592	20.578	20.621	VV	8628	210708	3.78%	0.193%	
353	20.685	20.621	20.711	VV	8448	422093	7.58%	0.386%	
354	20.764	20.711	20.800	VV	9273	439562	7.89%	0.402%	
355	20.842	20.800	20.861	VV	8670	295680	5.31%	0.271%	
356	20.873	20.861	20.887	VV	8369	125807	2.26%	0.115%	
357	20.962	20.887	21.046	VV	8883	783091	14.06%	0.717%	
358	21.073	21.046	21.108	VV	7726	276577	4.97%	0.253%	
359	21.222	21.108	21.257	VV	7338	643586	11.56%	0.589%	
360	21.270	21.257	21.342	VV	6978	329963	5.93%	0.302%	
361	21.374	21.342	21.407	VV	6614	238422	4.28%	0.218%	
362	21.418	21.407	21.434	VV	5634	90813	1.63%	0.083%	
363	21.455	21.434	21.545	VV	5816	336724	6.05%	0.308%	
364	21.563	21.545	21.621	VV	4344	177526	3.19%	0.163%	
365	21.650	21.621	21.661	VV	3704	85877	1.54%	0.079%	
366	21.684	21.661	21.708	VV	3886	101971	1.83%	0.093%	
367	21.766	21.708	21.797	VV	3982	195074	3.50%	0.179%	
368	21.859	21.797	21.979	VV	5082	373427	6.71%	0.342%	
369	21.990	21.979	22.004	VV	2346	31214	0.56%	0.029%	
370	22.035	22.004	22.058	VV	2380	69557	1.25%	0.064%	
371	22.085	22.058	22.143	VV	2616	98985	1.78%	0.091%	
372	22.175	22.143	22.223	VV	2194	66512	1.19%	0.061%	
373	22.265	22.223	22.293	VV	2280	55133	0.99%	0.050%	
374	22.326	22.293	22.346	VV	1373	35531	0.64%	0.033%	
375	22.369	22.346	22.394	VV	1593	33867	0.61%	0.031%	
376	22.415	22.394	22.452	VV	1135	24141	0.43%	0.022%	
377	22.483	22.452	22.498	PV	112	2209	0.04%	0.002%	
						Sum of corrected areas:	109214340		

Aliphatic EPH 062725.M Thu Jul 03 05:46:44 2025



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC061825AL

AreaCount

Parameter Range	FC069221.D	FC069222.D	FC069223.D	FC069224.D	FC069225.D	
Aliphatic C9-C12	42176071.000	20640977.000	8581963.000	4632454.000	2366353.000	
Aliphatic C12-C16	29735945.000	14914656.000	6266673.000	3402693.000	1714249.000	
Aliphatic C16-C21	42009240.000	21363842.000	9096606.000	5044763.000	2549195.000	
Aliphatic C21-C28	49153709.000	24681333.000	10474538.000	5764217.000	2970075.000	
Aliphatic C28-C40	51466619.000	25624553.000	10688039.000	5834277.000	3093728.000	
Aliphatic EPH	214541584.000	107225361.000	45107819.000	24678404.000	12693600.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	146679.6266662	6.053				
Aliphatic C12-C16	159210.532	6.932				
Aliphatic C16-C21	154434.3226664	9.092				
Aliphatic C21-C28	133966.3675	8.814				
Aliphatic C28-C40	92124.4166662	8.439				
Aliphatic EPH	128354.1601108	7.942				

Concentration

Parameter Range	FC069221.D	FC069222.D	FC069223.D	FC069224.D	FC069225.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	FC069221.D	FC069222.D	FC069223.D	FC069224.D	FC069225.D	
Aliphatic C9-C12	140586.903333	137606.513333	143032.716666	154415.133333	157756.866666	
Aliphatic C12-C16	148679.725000	149146.560000	156666.825000	170134.650000	171424.900000	
Aliphatic C16-C21	140030.800000	142425.613333	151610.100000	168158.766666	169946.333333	

Initial Calibration Report for SequenceID : FC061825AL

Aliphatic C21-C28	122884.272500	123406.665000	130931.725000	144105.425000	148503.750000	
Aliphatic C28-C40	85777.698333	85415.176666	89066.991666	97237.950000	103124.266666	
Aliphatic EPH	119189.768888	119139.290000	125299.497222	137102.244444	141040.000000	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069221.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 11:17
 Operator : YP/AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Jun 18 13:03:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 13:00:39 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)	11.693	15986001	97.180 ug/ml
Spiked Amount 50.000		Recovery =	194.36%
12) S 1-chlorooctadecane (S...	13.126	11916196	96.429 ug/ml
Spiked Amount 50.000		Recovery =	192.86%
Target Compounds			
1) T n-Nonane (C9)	3.414	13645652	99.307 ug/ml
2) T n-Decane (C10)	4.488	14045970	99.234 ug/ml
3) T A~Naphthalene (C11.7)	6.084	15351850	98.877 ug/ml
4) T n-Dodecane (C12)	6.515	14484449	98.886 ug/ml
5) T A~2-methylnaphthalene...	7.146	15098330	98.803 ug/ml
6) T n-Tetradecane (C14)	8.315	14646111	97.954 ug/ml
7) T n-Hexadecane (C16)	9.922	15089834	96.838 ug/ml
8) T n-Octadecane (C18)	11.369	14862064	96.162 ug/ml
10) T n-Eicosane (C20)	12.680	13798752	95.895 ug/ml
11) T n-Heneicosane (C21)	13.294	13348424	96.021 ug/ml
13) T n-Docosane (C22)	13.881	13057210	96.175 ug/ml
14) T n-Tetracosane (C24)	14.986	12613064	96.664 ug/ml
15) T n-Hexacosane (C26)	16.008	12075116	97.240 ug/ml
16) T n-Octacosane (C28)	16.960	11408319	97.337 ug/ml
17) T n-Tricontane (C30)	17.849	10984628	97.402 ug/ml
18) T n-Dotriacontane (C32)	18.683	10087033	97.565 ug/ml
19) T n-Tetratriacontane (C34)	19.468	8976674	97.988 ug/ml
20) T n-Hexatriacontane (C36)	20.209	7711070	98.564 ug/ml
21) T n-Octatriacontane (C38)	20.980	7003730	98.486 ug/ml
22) T n-Tetracontane (C40)	21.951	6703484	99.440 ug/ml

(f)=RT Delta > 1/2 Window

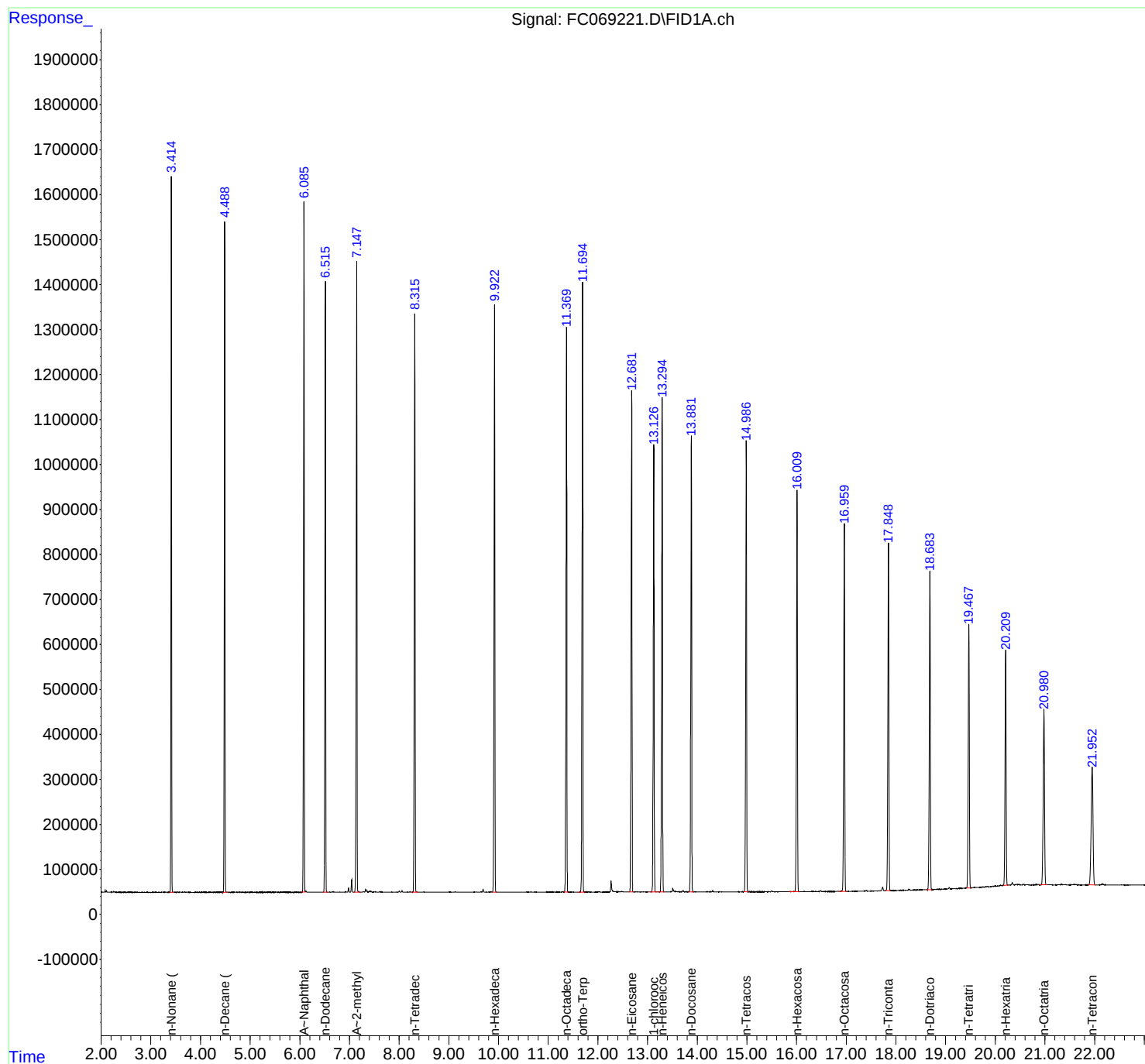
(m)=manual int.

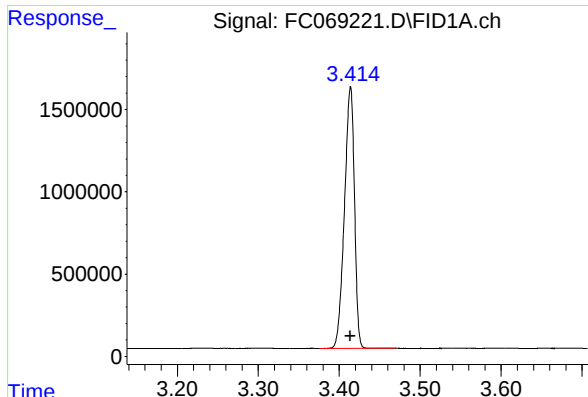
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069221.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 11:17
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jun 18 13:03:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 13:00:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

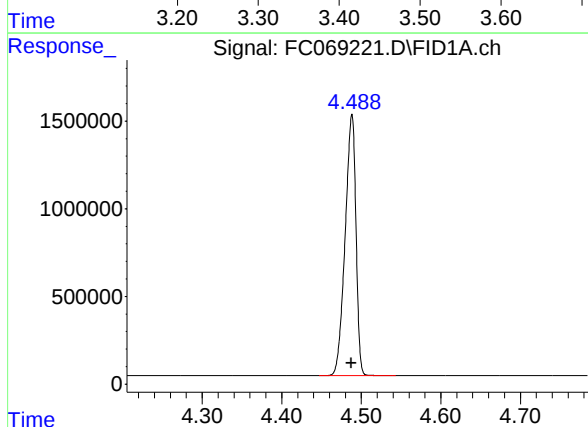




#1 n-Nonane (C9)

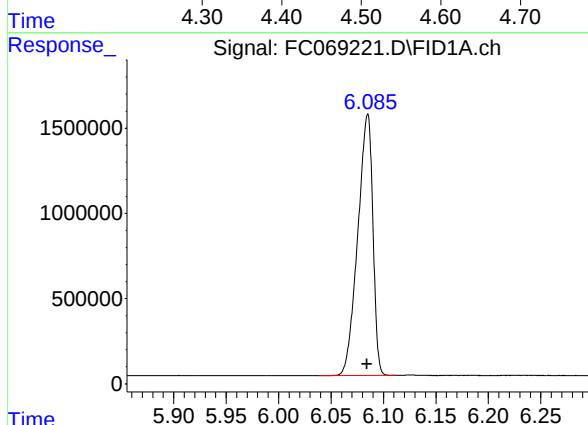
R.T.: 3.414 min
Delta R.T.: 0.000 min
Response: 13645652
Conc: 99.31 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



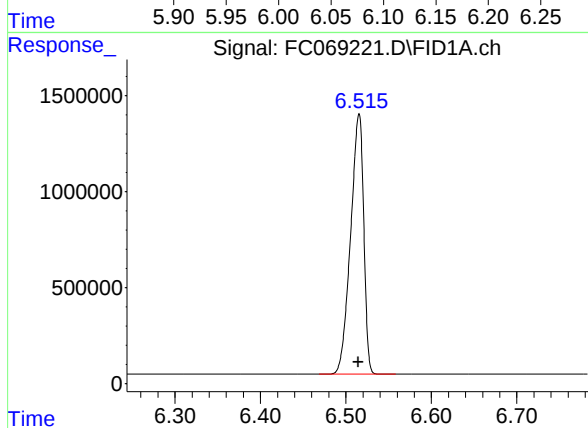
#2 n-Decane (C10)

R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 14045970
Conc: 99.23 ug/ml



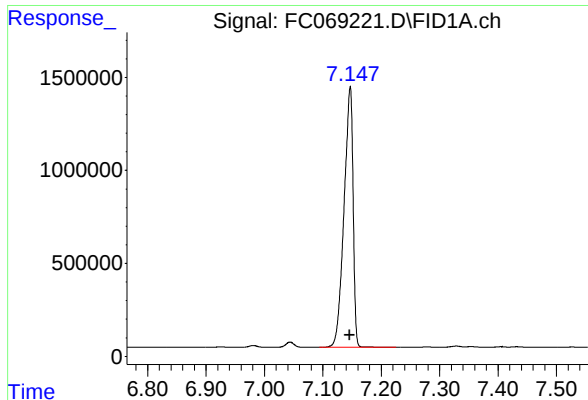
#3 A~Naphthalene (C11.7)

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 15351850
Conc: 98.88 ug/ml



#4 n-Dodecane (C12)

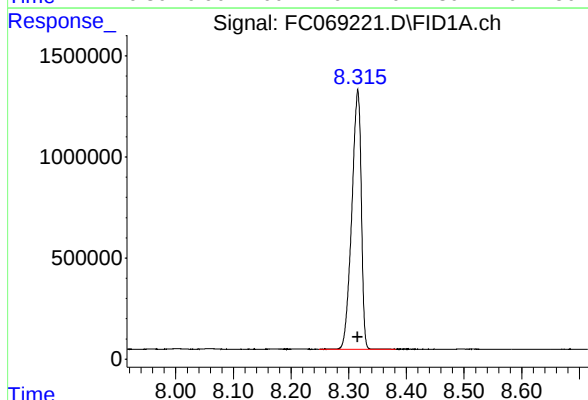
R.T.: 6.515 min
Delta R.T.: 0.000 min
Response: 14484449
Conc: 98.89 ug/ml



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

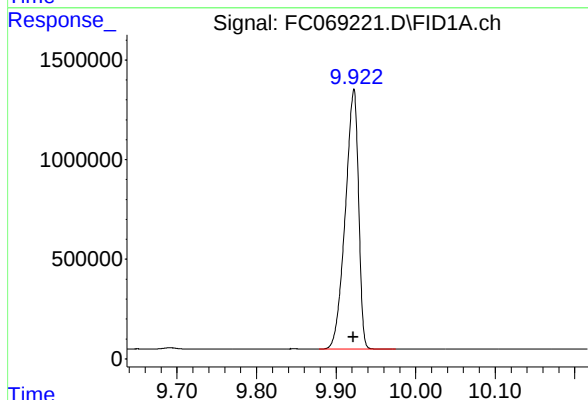
R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 15098330
Conc: 98.80 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



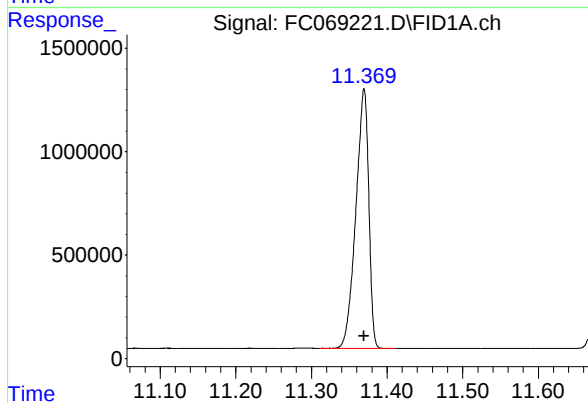
#6 n-Tetradecane (C14)

R.T.: 8.315 min
Delta R.T.: 0.000 min
Response: 14646111
Conc: 97.95 ug/ml



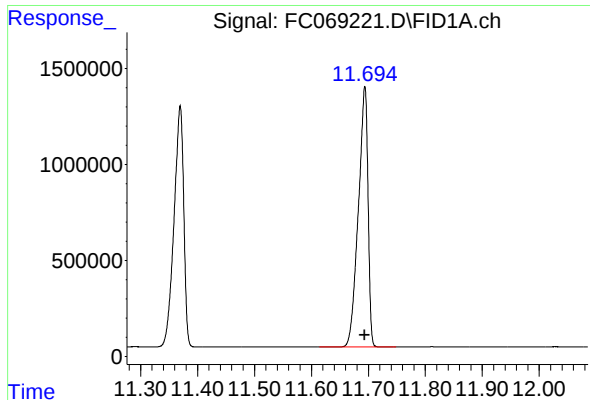
#7 n-Hexadecane (C16)

R.T.: 9.922 min
Delta R.T.: 0.000 min
Response: 15089834
Conc: 96.84 ug/ml



#8 n-Octadecane (C18)

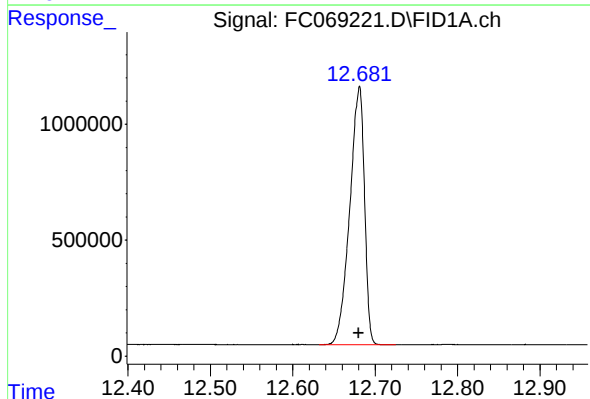
R.T.: 11.369 min
Delta R.T.: 0.000 min
Response: 14862064
Conc: 96.16 ug/ml



#9 ortho-Terphenyl (SURR)

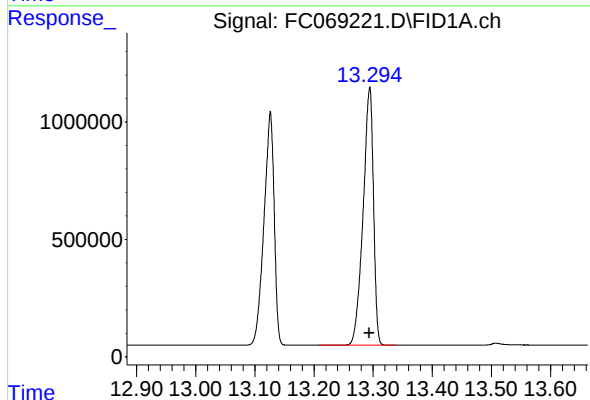
R.T.: 11.693 min
Delta R.T.: 0.000 min
Response: 15986001
Conc: 97.18 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



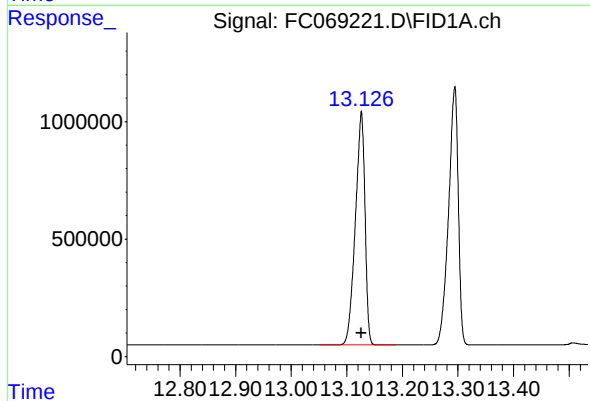
#10 n-Eicosane (C20)

R.T.: 12.680 min
Delta R.T.: 0.000 min
Response: 13798752
Conc: 95.90 ug/ml



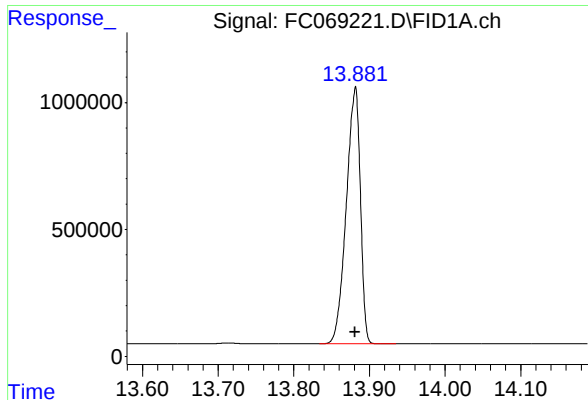
#11 n-Heneicosane (C21)

R.T.: 13.294 min
Delta R.T.: 0.000 min
Response: 13348424
Conc: 96.02 ug/ml



#12 1-chlorooctadecane (SURR)

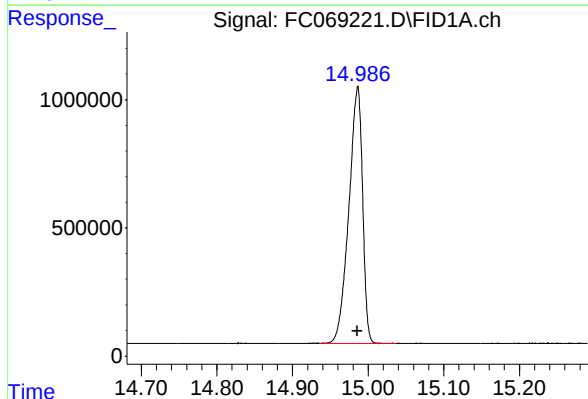
R.T.: 13.126 min
Delta R.T.: 0.000 min
Response: 11916196
Conc: 96.43 ug/ml



#13 n-Docosane (C22)

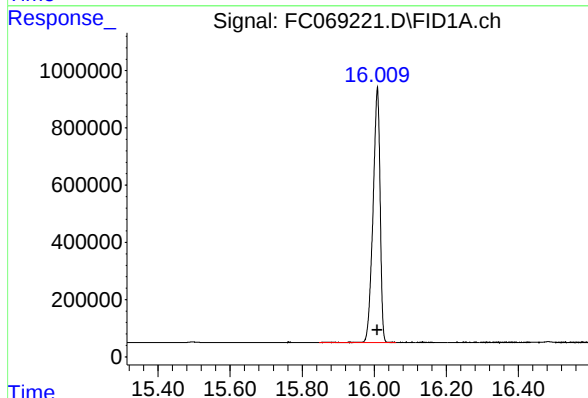
R.T.: 13.881 min
Delta R.T.: 0.000 min
Response: 13057210
Conc: 96.17 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



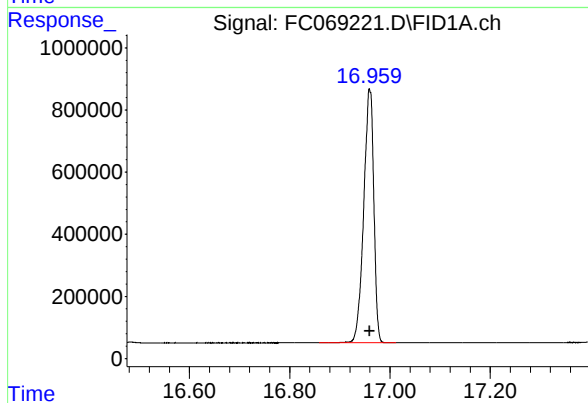
#14 n-Tetracosane (C24)

R.T.: 14.986 min
Delta R.T.: 0.000 min
Response: 12613064
Conc: 96.66 ug/ml



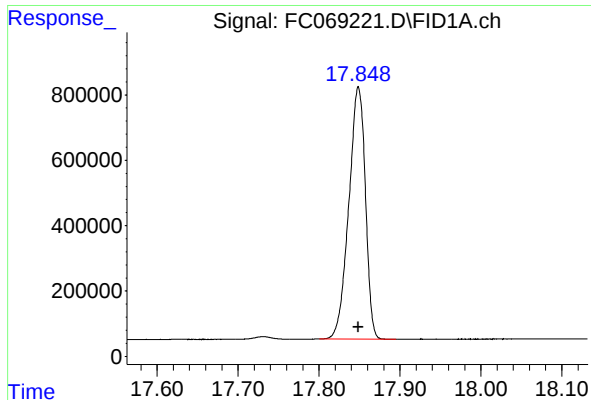
#15 n-Hexacosane (C26)

R.T.: 16.008 min
Delta R.T.: 0.000 min
Response: 12075116
Conc: 97.24 ug/ml



#16 n-Octacosane (C28)

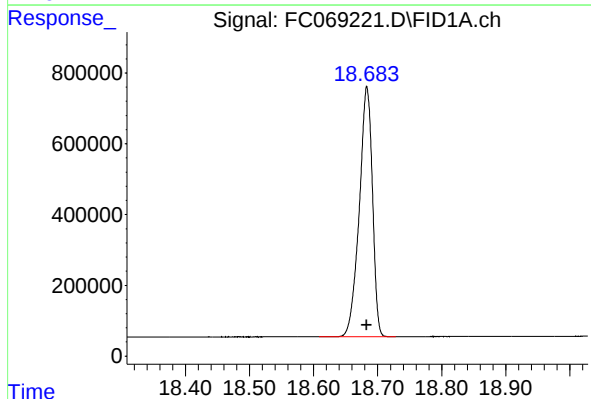
R.T.: 16.960 min
Delta R.T.: 0.000 min
Response: 11408319
Conc: 97.34 ug/ml



#17 n-Tricontane (C30)

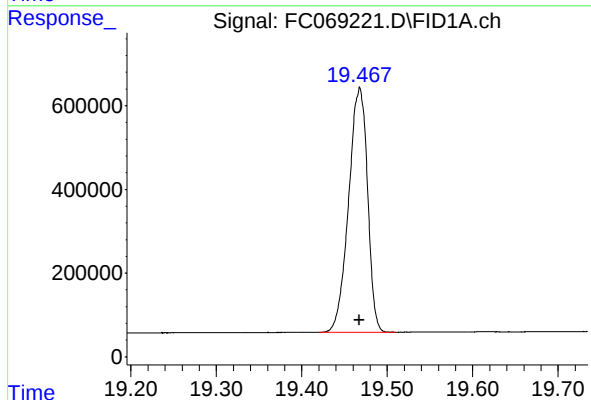
R.T.: 17.849 min
Delta R.T.: 0.000 min
Response: 10984628
Conc: 97.40 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



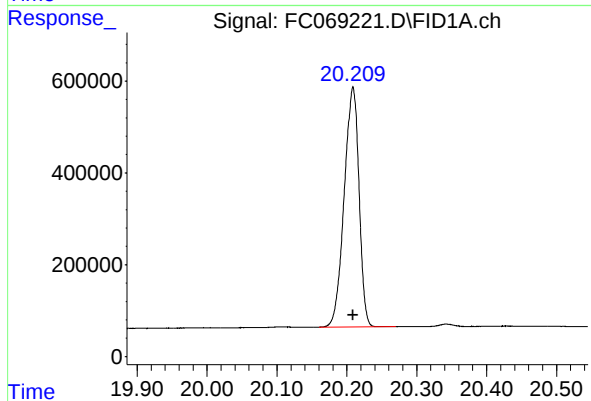
#18 n-Dotriacontane (C32)

R.T.: 18.683 min
Delta R.T.: 0.000 min
Response: 10087033
Conc: 97.56 ug/ml



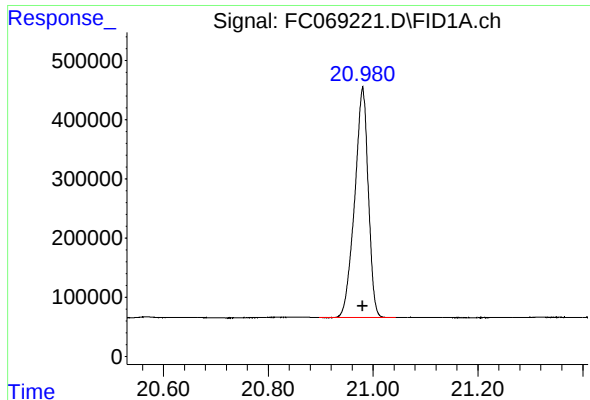
#19 n-Tetatriacontane (C34)

R.T.: 19.468 min
Delta R.T.: 0.000 min
Response: 8976674
Conc: 97.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.209 min
Delta R.T.: 0.000 min
Response: 7711070
Conc: 98.56 ug/ml



#21 n-Octatriacontane (C38)

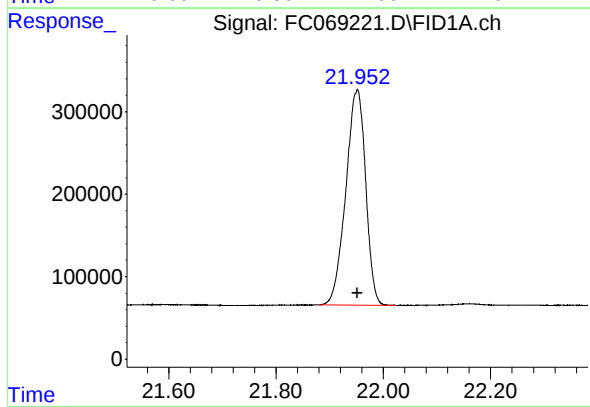
R.T.: 20.980 min
Delta R.T.: 0.000 min
Response: 7003730
Conc: 98.49 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.951 min
Delta R.T.: 0.000 min
Response: 6703484
Conc: 99.44 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069221.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 11:17
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.414	3.375	3.470	BB	1589425	13645652	85.36%	5.000%
2	4.488	4.447	4.543	BB	1501566	14045970	87.86%	5.147%
3	6.084	6.038	6.112	BV	1547258	15351850	96.03%	5.626%
4	6.515	6.468	6.558	BB	1360162	14484449	90.61%	5.308%
5	7.146	7.093	7.225	BB	1411463	15098330	94.45%	5.533%
6	8.315	8.248	8.382	BB	1279328	14646111	91.62%	5.367%
7	9.922	9.878	9.975	BB	1299249	15089834	94.39%	5.530%
8	11.369	11.310	11.412	BB	1250407	14862064	92.97%	5.446%
9	11.693	11.613	11.748	BB	1361720	15986001	100.00%	5.858%
10	12.680	12.632	12.725	BB	1105551	13798752	86.32%	5.056%
11	13.126	13.050	13.188	BB	986163	11916196	74.54%	4.367%
12	13.294	13.208	13.338	BB	1091366	13348424	83.50%	4.891%
13	13.881	13.833	13.935	BB	997311	13057210	81.68%	4.785%
14	14.986	14.935	15.037	BB	992019	12613064	78.90%	4.622%
15	16.008	15.847	16.060	BB	889459	12075116	75.54%	4.425%
16	16.960	16.858	17.012	BB	811298	11408319	71.36%	4.180%
17	17.849	17.800	17.895	BB	772421	10984628	68.71%	4.025%
18	18.683	18.608	18.728	BB	706729	10087033	63.10%	3.696%
19	19.468	19.420	19.510	BB	581252	8976674	56.15%	3.289%
20	20.209	20.160	20.270	BB	522339	7711070	48.24%	2.826%
21	20.980	20.897	21.043	BB	389701	7003730	43.81%	2.566%
22	21.951	21.880	22.023	BB	262169	6703484	41.93%	2.456%
Sum of corrected areas:						272893962		

Aliphatic EPH 061825.M Wed Jun 18 14:39:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069222.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 11:58
 Operator : YP/AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Jun 18 13:04:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 13:00:39 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)	11.686	8035113	49.225 ug/ml
Spiked Amount 50.000		Recovery =	98.45%
12) S 1-chlorooctadecane (S...	13.120	6029490	49.188 ug/ml
Spiked Amount 50.000		Recovery =	98.38%
Target Compounds			
1) T n-Nonane (C9)	3.410	6643725	48.888 ug/ml
2) T n-Decane (C10)	4.483	6866535	48.998 ug/ml
3) T A~Naphthalene (C11.7)	6.079	7502425	48.868 ug/ml
4) T n-Dodecane (C12)	6.510	7130717	49.113 ug/ml
5) T A~2-methylnaphthalene...	7.140	7422117	49.038 ug/ml
6) T n-Tetradecane (C14)	8.310	7295732	49.190 ug/ml
7) T n-Hexadecane (C16)	9.916	7618924	49.257 ug/ml
8) T n-Octadecane (C18)	11.362	7565304	49.295 ug/ml
10) T n-Eicosane (C20)	12.673	7024996	49.208 ug/ml
11) T n-Heneicosane (C21)	13.287	6773542	49.143 ug/ml
13) T n-Docosane (C22)	13.874	6604673	49.090 ug/ml
14) T n-Tetracosane (C24)	14.980	6337022	49.034 ug/ml
15) T n-Hexacosane (C26)	16.002	6031220	49.037 ug/ml
16) T n-Octacosane (C28)	16.954	5708418	49.129 ug/ml
17) T n-Tricontane (C30)	17.843	5495136	49.144 ug/ml
18) T n-Dotriacontane (C32)	18.677	5055272	49.259 ug/ml
19) T n-Tetratriacontane (C34)	19.461	4482554	49.282 ug/ml
20) T n-Hexatriacontane (C36)	20.203	3834019	49.334 ug/ml
21) T n-Octatriacontane (C38)	20.973	3467597	49.167 ug/ml
22) T n-Tetracontane (C40)	21.942	3289975	49.196 ug/ml

(f)=RT Delta > 1/2 Window

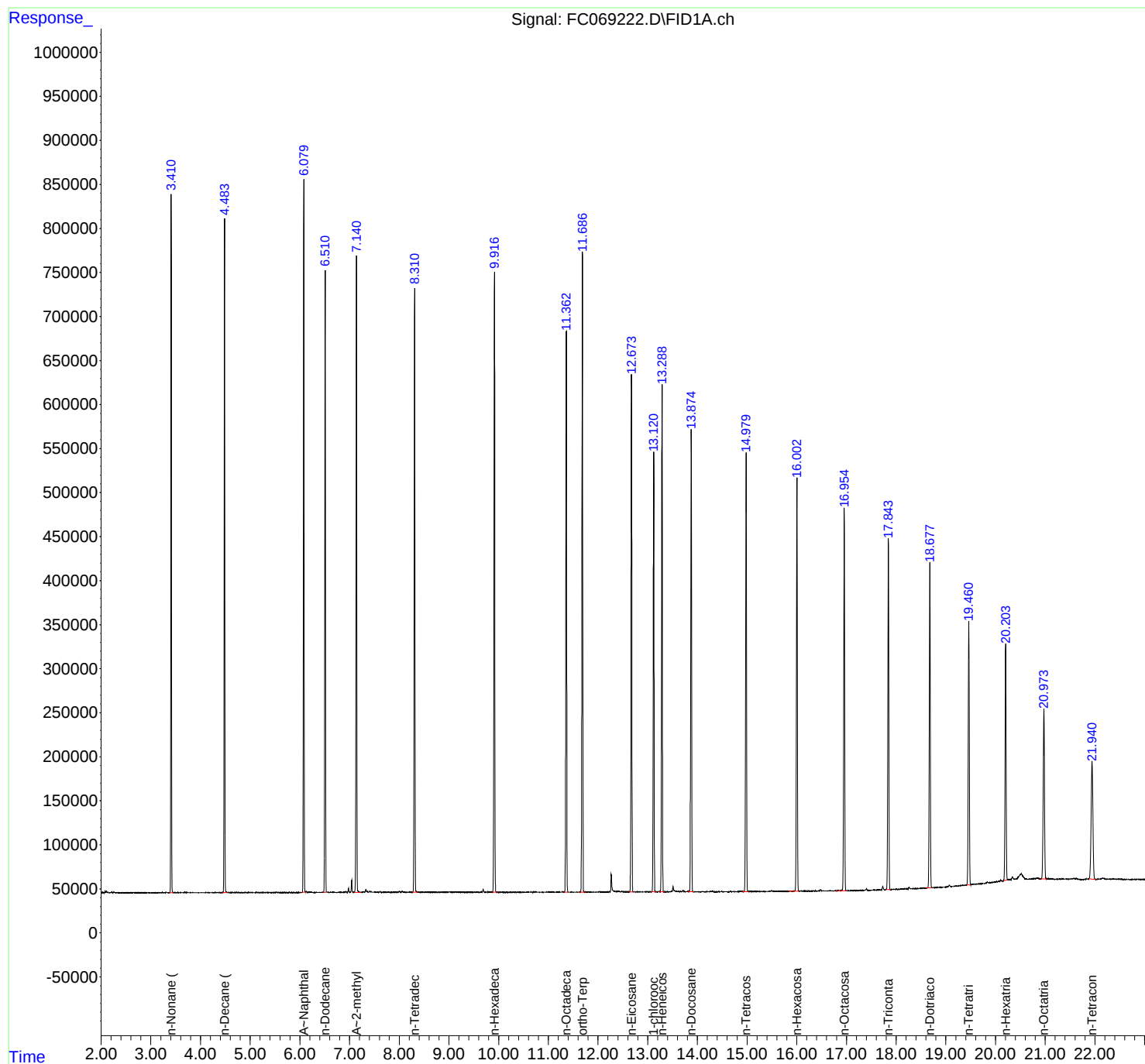
(m)=manual int.

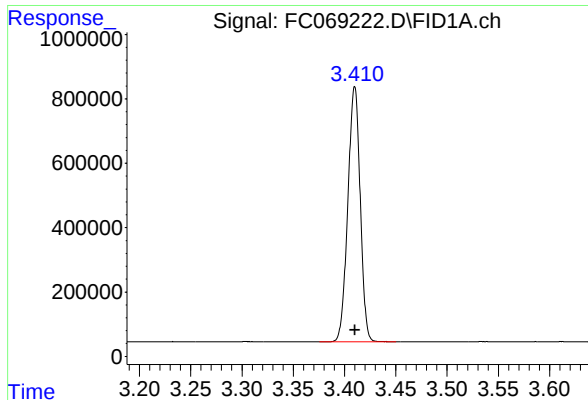
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069222.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 11:58
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Jun 18 13:04:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 13:00:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

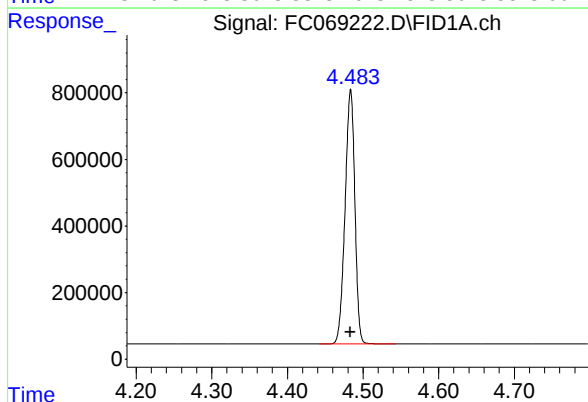




#1 n-Nonane (C9)

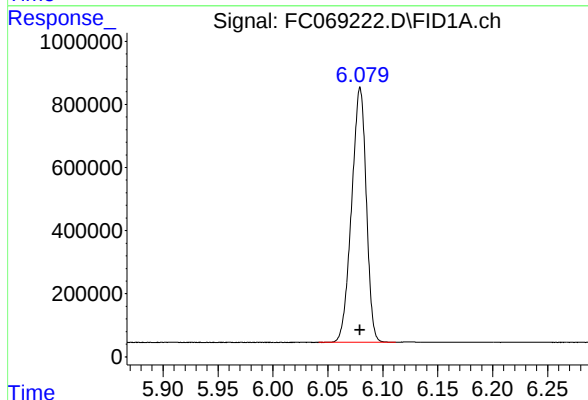
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 6643725
Conc: 48.89 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



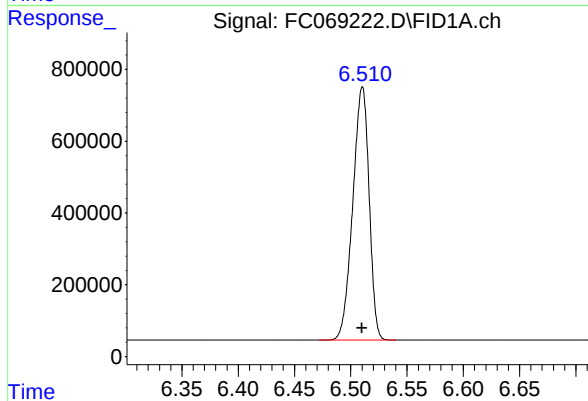
#2 n-Decane (C10)

R.T.: 4.483 min
Delta R.T.: 0.000 min
Response: 6866535
Conc: 49.00 ug/ml



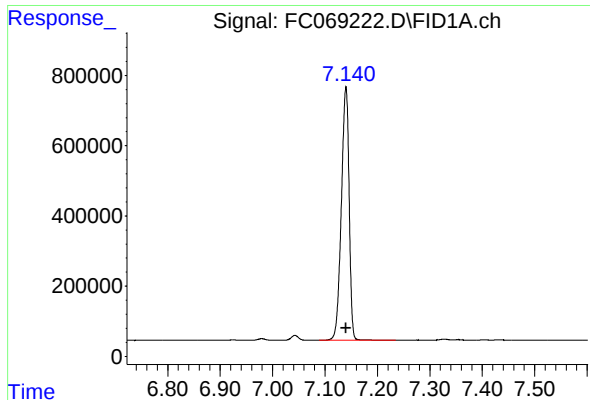
#3 A~Naphthalene (C11.7)

R.T.: 6.079 min
Delta R.T.: 0.000 min
Response: 7502425
Conc: 48.87 ug/ml



#4 n-Dodecane (C12)

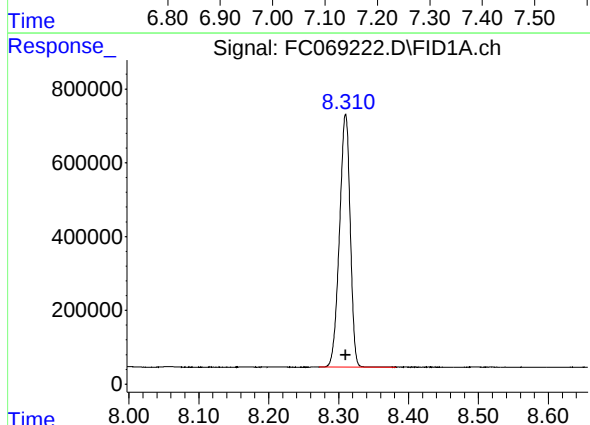
R.T.: 6.510 min
Delta R.T.: 0.000 min
Response: 7130717
Conc: 49.11 ug/ml



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

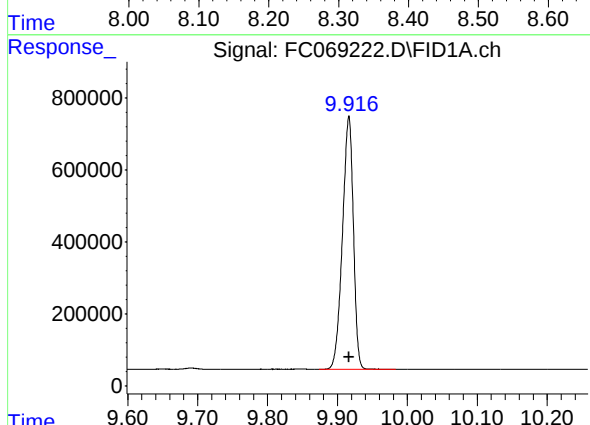
R.T.: 7.140 min
Delta R.T.: 0.000 min
Response: 7422117
Conc: 49.04 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



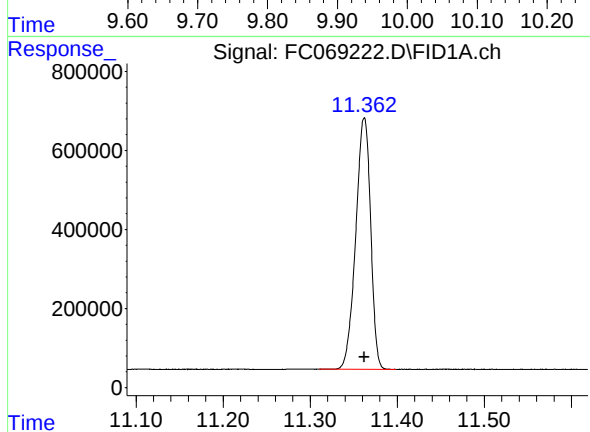
#6 n-Tetradecane (C14)

R.T.: 8.310 min
Delta R.T.: 0.000 min
Response: 7295732
Conc: 49.19 ug/ml



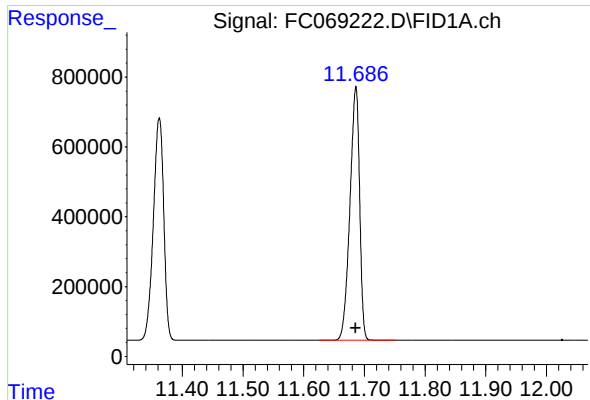
#7 n-Hexadecane (C16)

R.T.: 9.916 min
Delta R.T.: 0.000 min
Response: 7618924
Conc: 49.26 ug/ml



#8 n-Octadecane (C18)

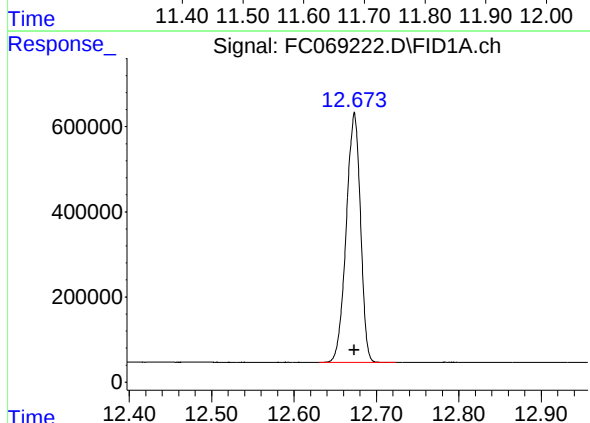
R.T.: 11.362 min
Delta R.T.: 0.000 min
Response: 7565304
Conc: 49.29 ug/ml



#9 ortho-Terphenyl (SURR)

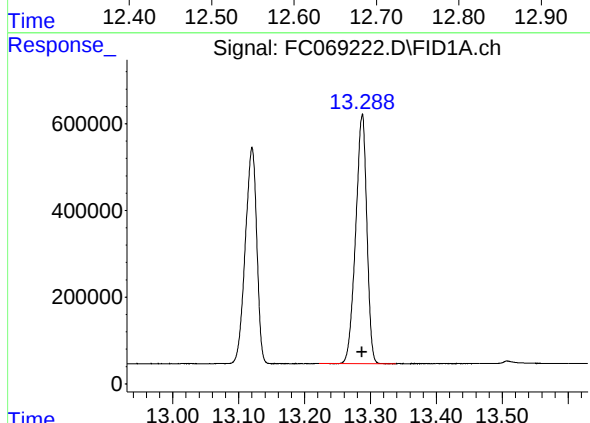
R.T.: 11.686 min
Delta R.T.: 0.000 min
Response: 8035113
Conc: 49.22 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



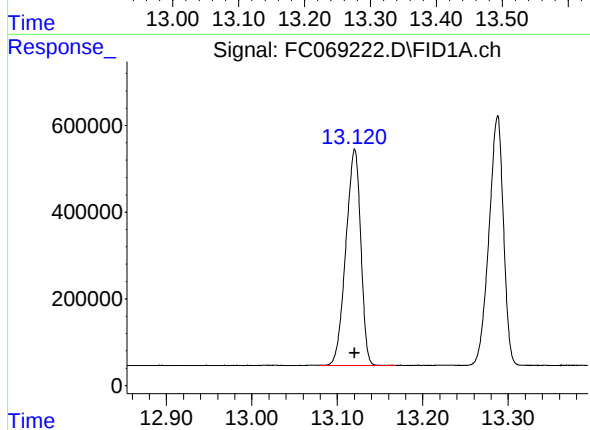
#10 n-Eicosane (C20)

R.T.: 12.673 min
Delta R.T.: 0.000 min
Response: 7024996
Conc: 49.21 ug/ml



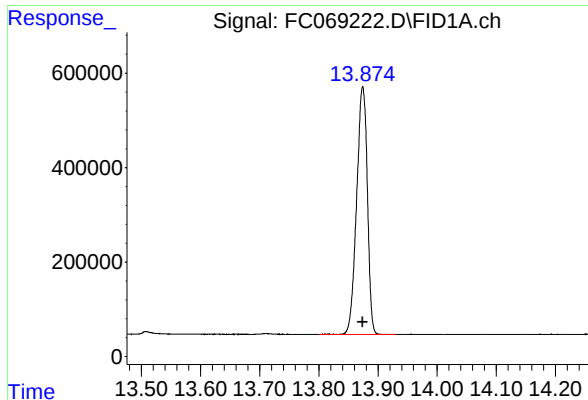
#11 n-Heneicosane (C21)

R.T.: 13.287 min
Delta R.T.: 0.000 min
Response: 6773542
Conc: 49.14 ug/ml



#12 1-chlorooctadecane (SURR)

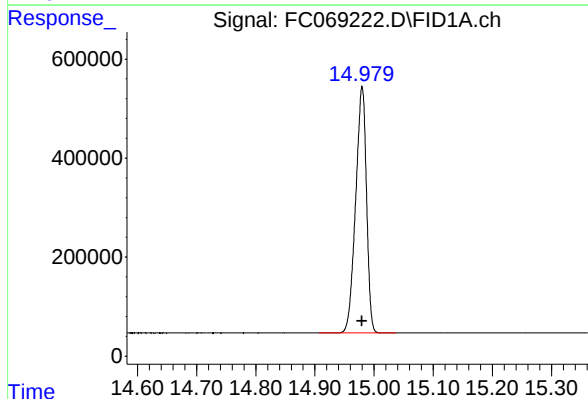
R.T.: 13.120 min
Delta R.T.: 0.000 min
Response: 6029490
Conc: 49.19 ug/ml



#13 n-Docosane (C22)

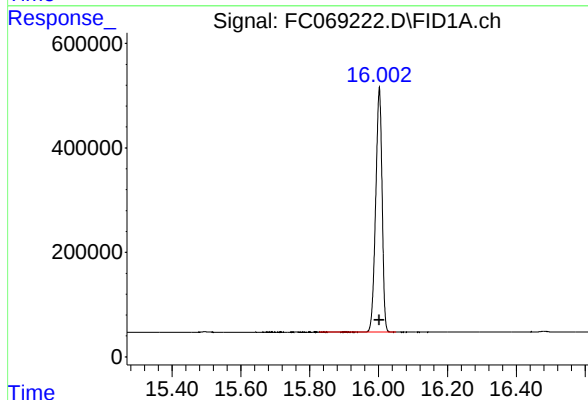
R.T.: 13.874 min
Delta R.T.: 0.000 min
Response: 6604673
Conc: 49.09 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



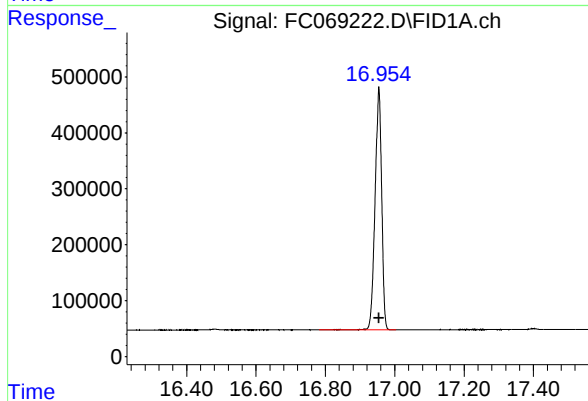
#14 n-Tetracosane (C24)

R.T.: 14.980 min
Delta R.T.: 0.000 min
Response: 6337022
Conc: 49.03 ug/ml



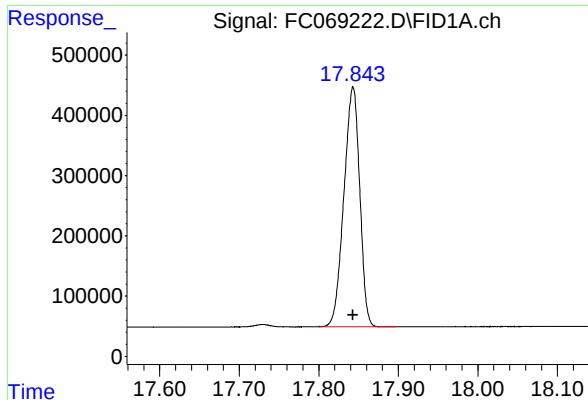
#15 n-Hexacosane (C26)

R.T.: 16.002 min
Delta R.T.: 0.000 min
Response: 6031220
Conc: 49.04 ug/ml



#16 n-Octacosane (C28)

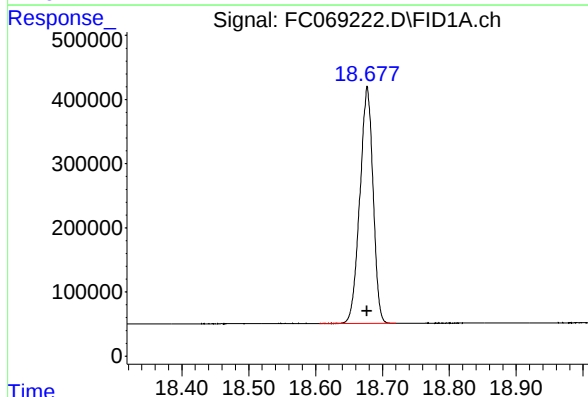
R.T.: 16.954 min
Delta R.T.: 0.000 min
Response: 5708418
Conc: 49.13 ug/ml



#17 n-Tricontane (C30)

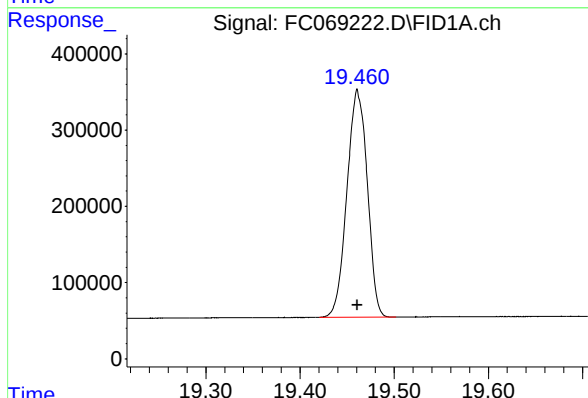
R.T.: 17.843 min
Delta R.T.: 0.000 min
Response: 5495136
Conc: 49.14 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



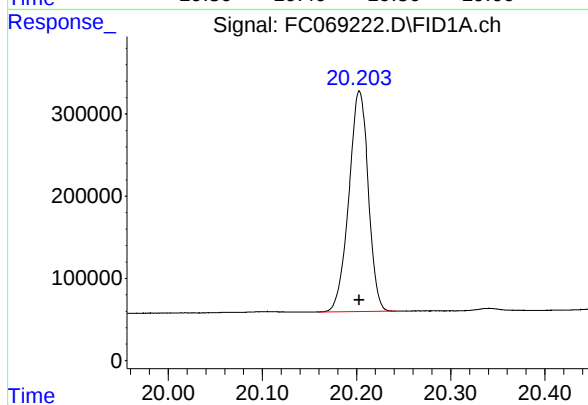
#18 n-Dotriacontane (C32)

R.T.: 18.677 min
Delta R.T.: 0.000 min
Response: 5055272
Conc: 49.26 ug/ml



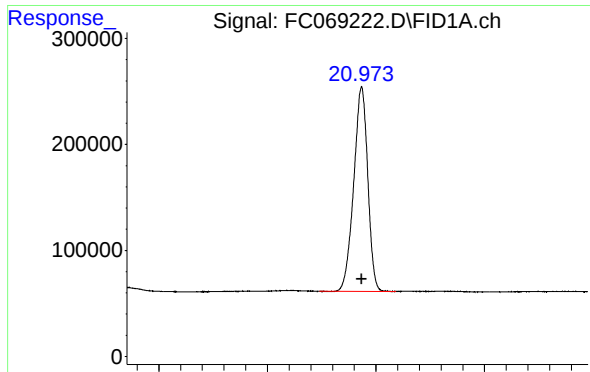
#19 n-Tetatriacontane (C34)

R.T.: 19.461 min
Delta R.T.: 0.000 min
Response: 4482554
Conc: 49.28 ug/ml



#20 n-Hexatriacontane (C36)

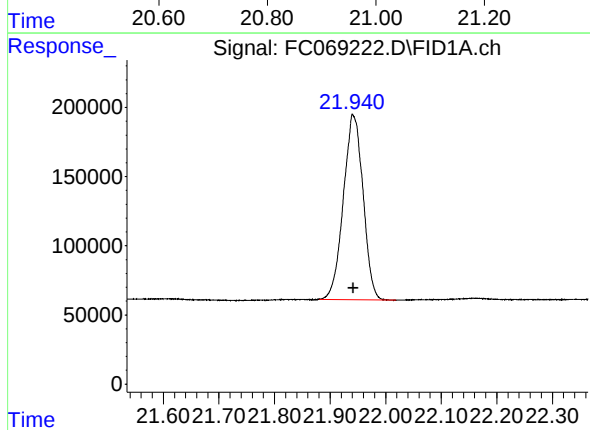
R.T.: 20.203 min
Delta R.T.: 0.000 min
Response: 3834019
Conc: 49.33 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.973 min
Delta R.T.: 0.000 min
Response: 3467597
Conc: 49.17 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.942 min
Delta R.T.: 0.000 min
Response: 3289975
Conc: 49.20 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069222.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 11:58
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.410	3.375	3.450	BB	795544	6643725	82.68%	4.877%
2	4.483	4.442	4.544	BB	766141	6866535	85.46%	5.041%
3	6.079	6.042	6.112	BV	806752	7502425	93.37%	5.508%
4	6.510	6.472	6.540	BB	707214	7130717	88.74%	5.235%
5	7.140	7.089	7.235	BB	725635	7422117	92.37%	5.449%
6	8.310	8.272	8.382	BB	687407	7295732	90.80%	5.356%
7	9.916	9.874	9.984	BB	709129	7618924	94.82%	5.593%
8	11.362	11.310	11.399	BB	636170	7565304	94.15%	5.554%
9	11.686	11.625	11.752	BB	723509	8035113	100.00%	5.899%
10	12.673	12.630	12.724	BB	588442	7024996	87.43%	5.157%
11	13.120	13.079	13.169	BB	499809	6029490	75.04%	4.426%
12	13.287	13.222	13.339	BB	572639	6773542	84.30%	4.973%
13	13.874	13.800	13.930	BB	524181	6604673	82.20%	4.849%
14	14.980	14.907	15.037	BB	498100	6337022	78.87%	4.652%
15	16.002	15.827	16.050	BB	468957	6031220	75.06%	4.428%
16	16.954	16.782	17.004	BB	434550	5708418	71.04%	4.191%
17	17.843	17.800	17.897	BB	398209	5495136	68.39%	4.034%
18	18.677	18.605	18.720	BB	369601	5055272	62.91%	3.711%
19	19.461	19.420	19.502	BB	293442	4482554	55.79%	3.291%
20	20.203	20.160	20.242	BB	267926	3834019	47.72%	2.815%
21	20.973	20.895	21.037	BB	193429	3467597	43.16%	2.546%
22	21.942	21.880	22.019	BB	132645	3289975	40.94%	2.415%
Sum of corrected areas:						136214504		

Aliphatic EPH 061825.M Wed Jun 18 14:38:30 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069223.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 12:39
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Jun 18 13:01:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 13:00:39 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)	11.680	3382762	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.116	2559732	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.410	2767240	20.000 ug/ml
2) T n-Decane (C10)	4.482	2852554	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.077	3140084	20.000 ug/ml
4) T n-Dodecane (C12)	6.507	2962169	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.136	3092803	20.000 ug/ml
6) T n-Tetradecane (C14)	8.307	3051599	20.000 ug/ml
7) T n-Hexadecane (C16)	9.912	3215074	20.000 ug/ml
8) T n-Octadecane (C18)	11.357	3209683	20.000 ug/ml
10) T n-Eicosane (C20)	12.670	2996001	20.000 ug/ml
11) T n-Heneicosane (C21)	13.283	2890922	20.000 ug/ml
13) T n-Docosane (C22)	13.871	2819173	20.000 ug/ml
14) T n-Tetracosane (C24)	14.976	2696756	20.000 ug/ml
15) T n-Hexacosane (C26)	15.999	2552119	20.000 ug/ml
16) T n-Octacosane (C28)	16.950	2406490	20.000 ug/ml
17) T n-Tricontane (C30)	17.839	2314105	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.674	2118123	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.459	1869078	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.200	1587141	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.969	1443800	20.000 ug/ml
22) T n-Tetracontane (C40)	21.938	1355792	20.000 ug/ml

(f)=RT Delta > 1/2 Window

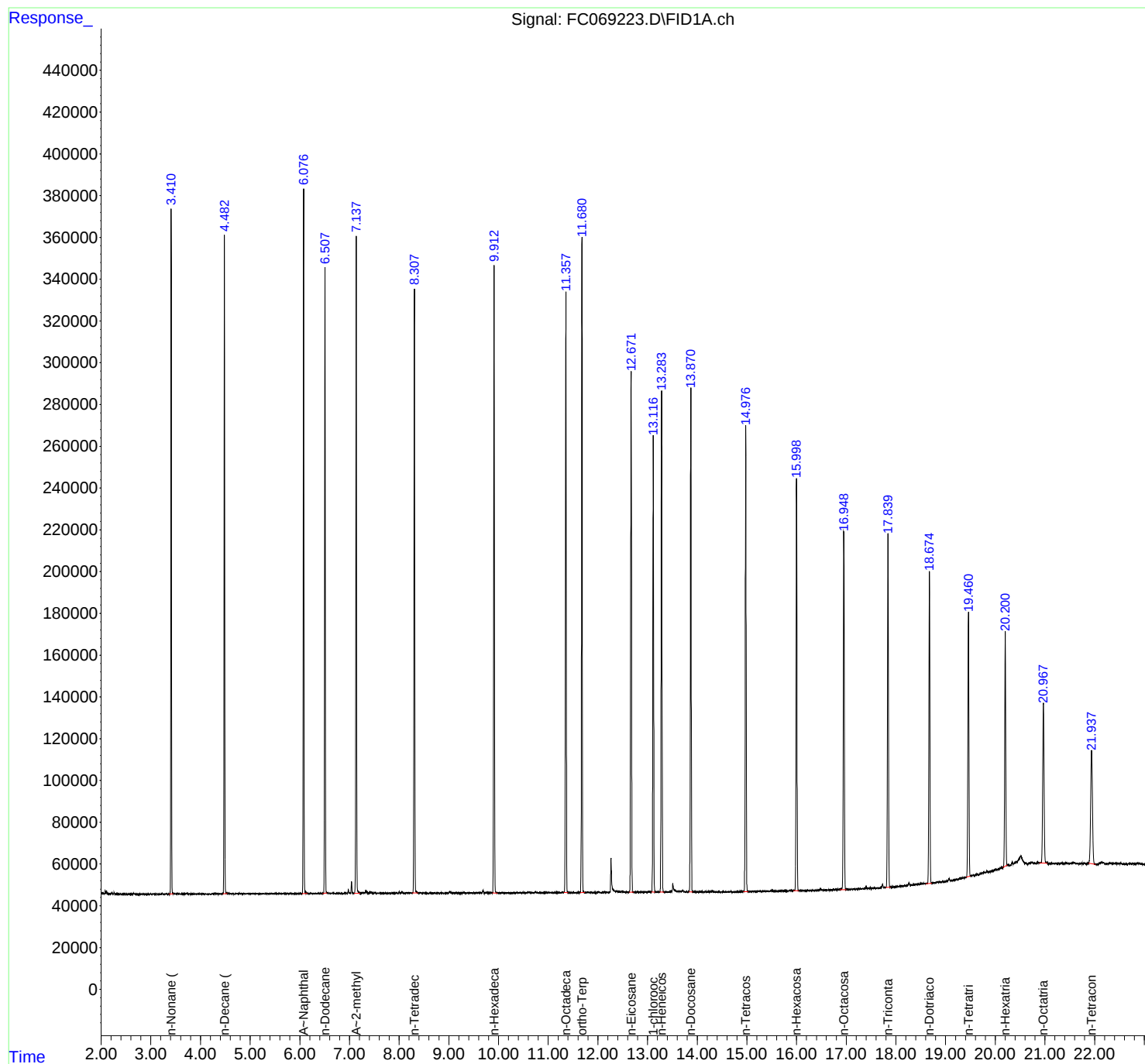
(m)=manual int.

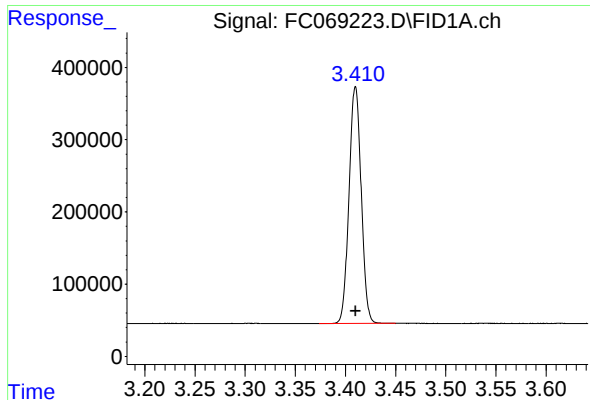
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069223.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 12:39
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jun 18 13:01:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 13:00:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

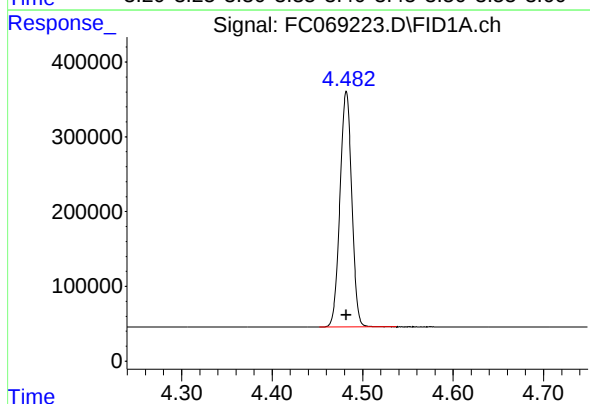




#1 n-Nonane (C9)

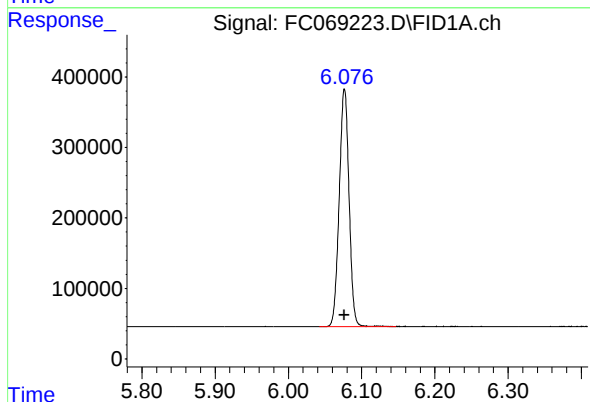
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 2767240
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



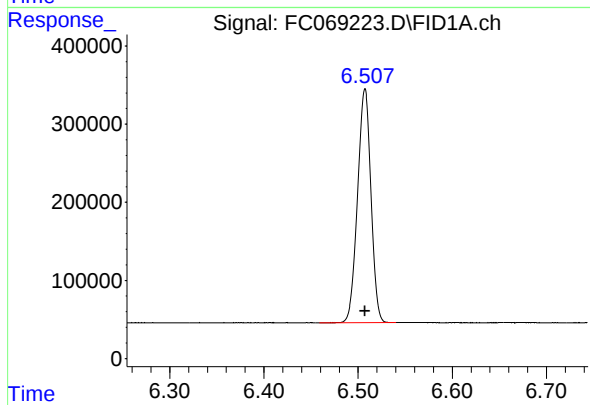
#2 n-Decane (C10)

R.T.: 4.482 min
Delta R.T.: 0.000 min
Response: 2852554
Conc: 20.00 ug/ml



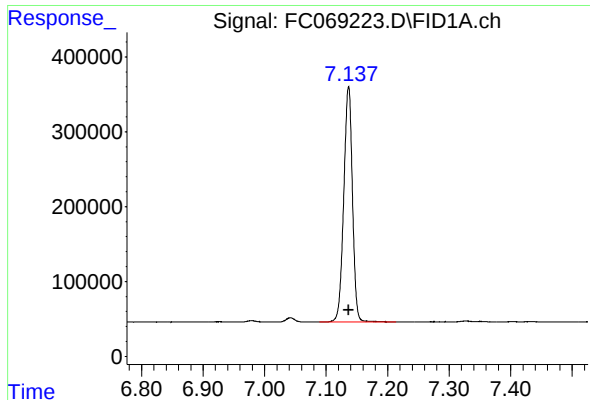
#3 A~Naphthalene (C11.7)

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 3140084
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

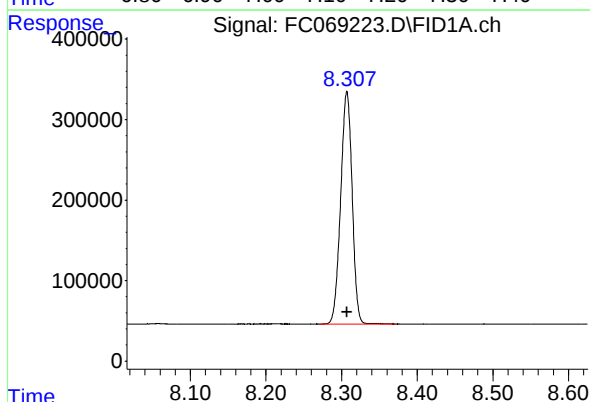
R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 2962169
Conc: 20.00 ug/ml



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

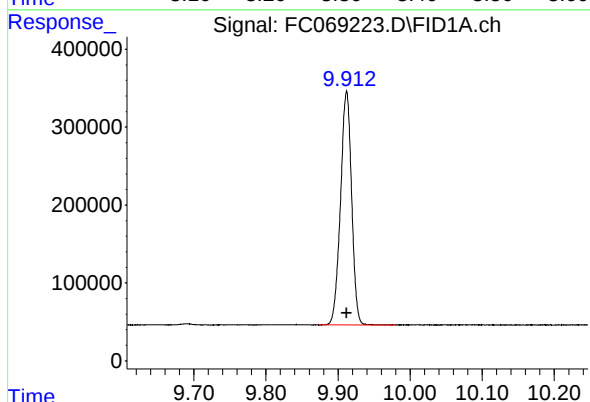
R.T.: 7.136 min
Delta R.T.: 0.000 min
Response: 3092803
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



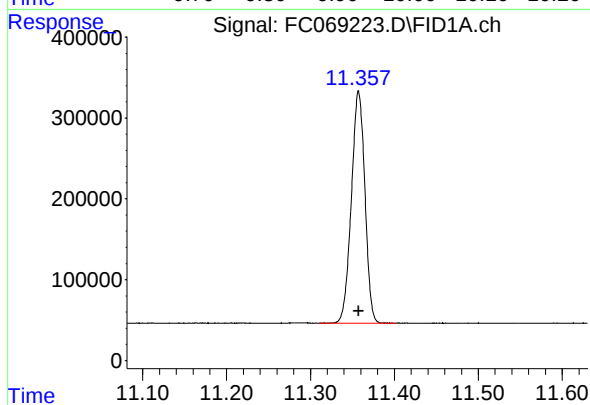
#6 n-Tetradecane (C14)

R.T.: 8.307 min
Delta R.T.: 0.000 min
Response: 3051599
Conc: 20.00 ug/ml



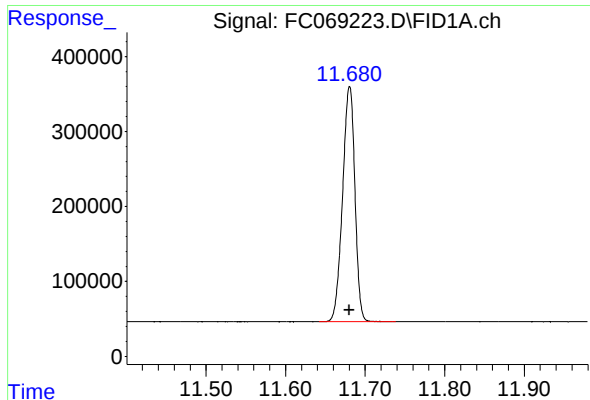
#7 n-Hexadecane (C16)

R.T.: 9.912 min
Delta R.T.: 0.000 min
Response: 3215074
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

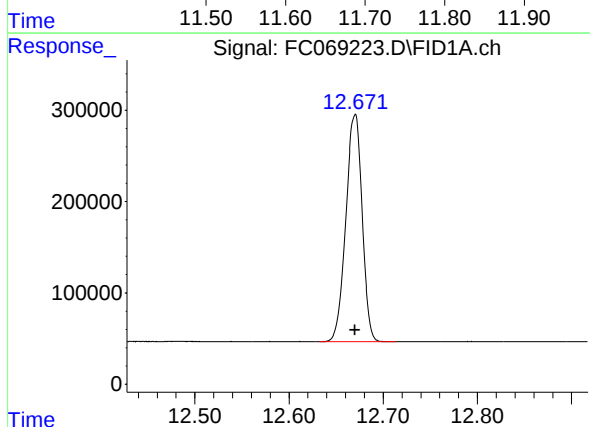
R.T.: 11.357 min
Delta R.T.: 0.000 min
Response: 3209683
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

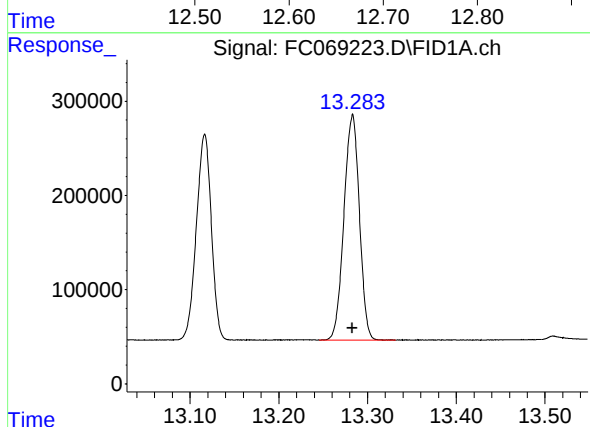
R.T.: 11.680 min
Delta R.T.: 0.000 min
Response: 3382762
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



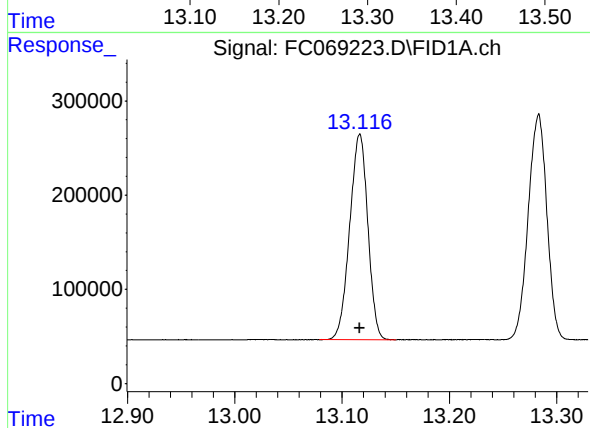
#10 n-Eicosane (C20)

R.T.: 12.670 min
Delta R.T.: 0.000 min
Response: 2996001
Conc: 20.00 ug/ml



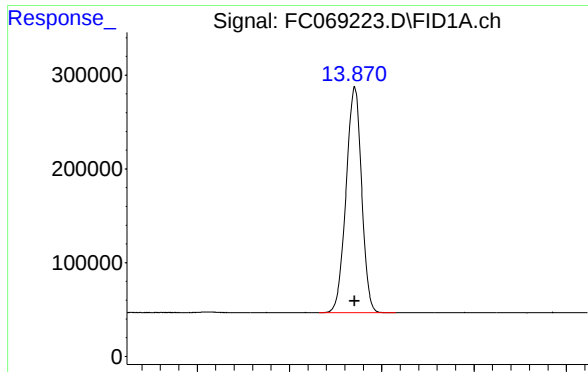
#11 n-Heneicosane (C21)

R.T.: 13.283 min
Delta R.T.: 0.000 min
Response: 2890922
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

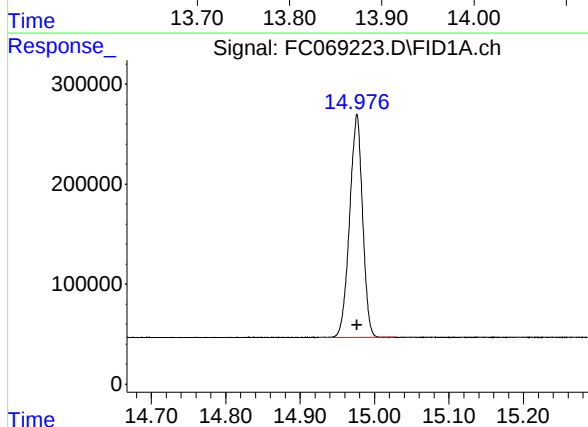
R.T.: 13.116 min
Delta R.T.: 0.000 min
Response: 2559732
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

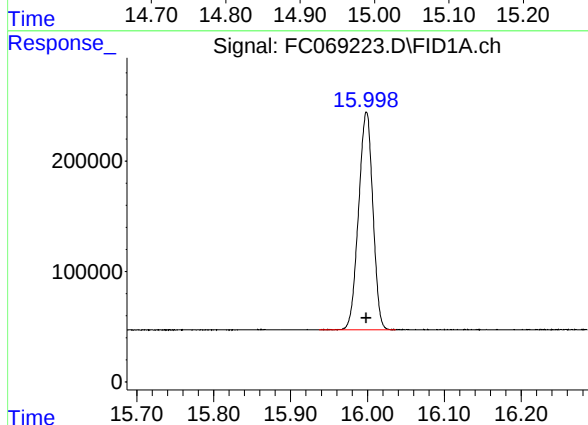
R.T.: 13.871 min
Delta R.T.: 0.000 min
Response: 2819173
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



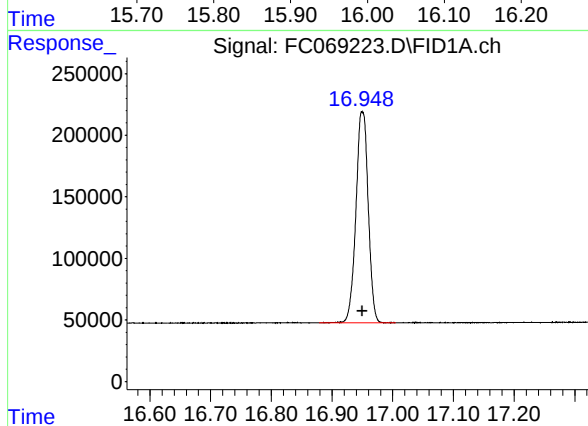
#14 n-Tetracosane (C24)

R.T.: 14.976 min
Delta R.T.: 0.000 min
Response: 2696756
Conc: 20.00 ug/ml



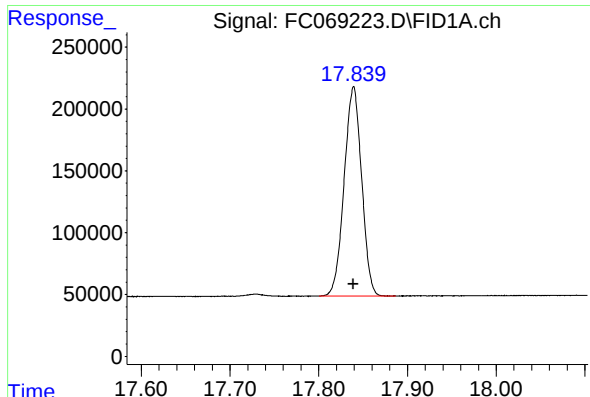
#15 n-Hexacosane (C26)

R.T.: 15.999 min
Delta R.T.: 0.000 min
Response: 2552119
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

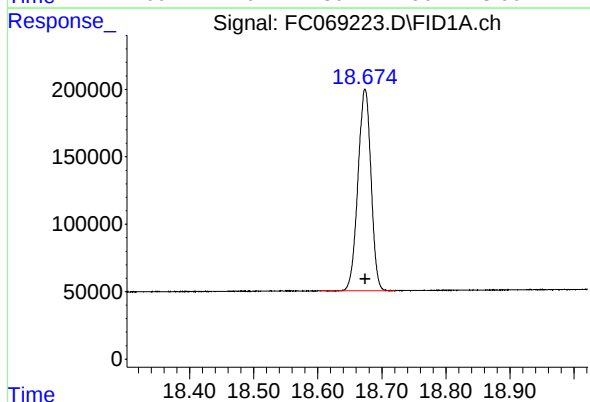
R.T.: 16.950 min
Delta R.T.: 0.000 min
Response: 2406490
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

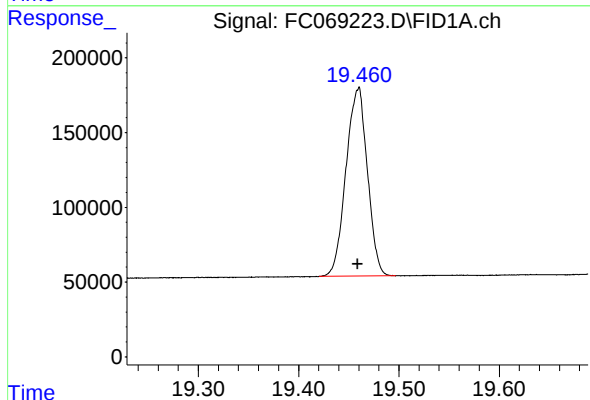
R.T.: 17.839 min
Delta R.T.: 0.000 min
Response: 2314105
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



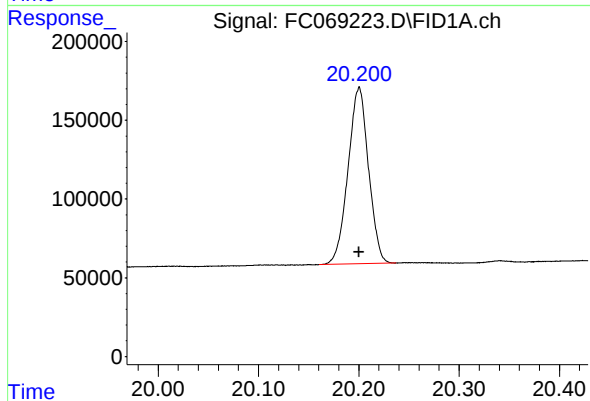
#18 n-Dotriacontane (C32)

R.T.: 18.674 min
Delta R.T.: 0.000 min
Response: 2118123
Conc: 20.00 ug/ml



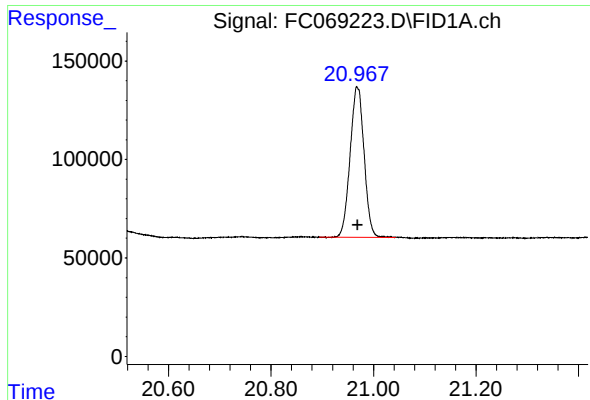
#19 n-Tetatriacontane (C34)

R.T.: 19.459 min
Delta R.T.: 0.000 min
Response: 1869078
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

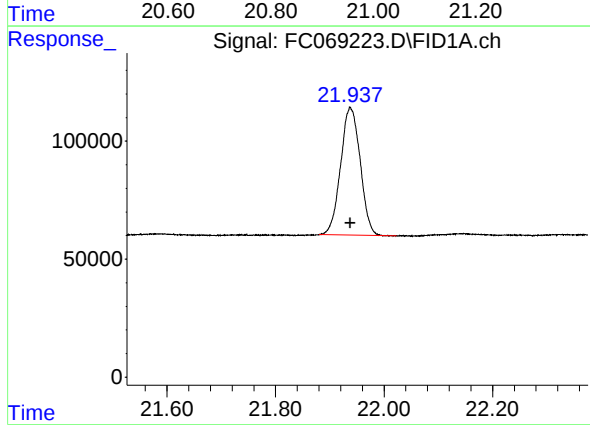
R.T.: 20.200 min
Delta R.T.: 0.000 min
Response: 1587141
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.969 min
Delta R.T.: 0.000 min
Response: 1443800
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.938 min
Delta R.T.: 0.000 min
Response: 1355792
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069223.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 12:39
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.410	3.374	3.450	BB	328194	2767240	81.80%	4.831%
2	4.482	4.452	4.537	BB	315257	2852554	84.33%	4.980%
3	6.077	6.042	6.147	BB	337847	3140084	92.83%	5.482%
4	6.507	6.459	6.540	BB	299443	2962169	87.57%	5.171%
5	7.136	7.089	7.214	BB	315538	3092803	91.43%	5.399%
6	8.307	8.270	8.372	BB	288724	3051599	90.21%	5.327%
7	9.912	9.874	9.980	BB	300265	3215074	95.04%	5.613%
8	11.357	11.310	11.402	BB	287165	3209683	94.88%	5.603%
9	11.680	11.642	11.739	BB	314534	3382762	100.00%	5.905%
10	12.670	12.632	12.714	BB	249206	2996001	88.57%	5.230%
11	13.116	13.079	13.150	BB	218895	2559732	75.67%	4.469%
12	13.283	13.245	13.332	BB	240870	2890922	85.46%	5.047%
13	13.871	13.832	13.915	BB	241488	2819173	83.34%	4.921%
14	14.976	14.925	15.029	BB	224439	2696756	79.72%	4.708%
15	15.999	15.937	16.037	BB	197748	2552119	75.44%	4.455%
16	16.950	16.879	17.005	BB	170629	2406490	71.14%	4.201%
17	17.839	17.800	17.887	BB	169041	2314105	68.41%	4.040%
18	18.674	18.602	18.722	BB	149490	2118123	62.62%	3.698%
19	19.459	19.420	19.497	BB	125143	1869078	55.25%	3.263%
20	20.200	20.160	20.237	BB	112095	1587141	46.92%	2.771%
21	20.969	20.894	21.044	BB	75910	1443800	42.68%	2.520%
22	21.938	21.880	22.022	BB	54065	1355792	40.08%	2.367%
Sum of corrected areas:							57283198	

Aliphatic EPH 061825.M Wed Jun 18 14:38:01 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069224.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 13:20
 Operator : YP/AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Jun 18 13:45:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 13:45:19 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)	11.678	1856143	10.994 ug/ml
Spiked Amount 50.000		Recovery =	21.99%
12) S 1-chlorooctadecane (S...	13.115	1417487	11.129 ug/ml
Spiked Amount 50.000		Recovery =	22.26%
Target Compounds			
1) T n-Nonane (C9)	3.409	1496071	10.738 ug/ml
2) T n-Decane (C10)	4.481	1544377	10.746 ug/ml
3) T A~Naphthalene (C11.7)	6.076	1699596	10.782 ug/ml
4) T n-Dodecane (C12)	6.506	1592006	10.707 ug/ml
5) T A~2-methylnaphthalene...	7.135	1665892	10.736 ug/ml
6) T n-Tetradecane (C14)	8.306	1646260	10.803 ug/ml
7) T n-Hexadecane (C16)	9.911	1756433	10.983 ug/ml
8) T n-Octadecane (C18)	11.356	1771170	11.113 ug/ml
10) T n-Eicosane (C20)	12.668	1665008	11.197 ug/ml
11) T n-Heneicosane (C21)	13.281	1608585	11.203 ug/ml
13) T n-Docosane (C22)	13.869	1565876	11.181 ug/ml
14) T n-Tetracosane (C24)	14.974	1491873	11.115 ug/ml
15) T n-Hexacosane (C26)	15.998	1397927	10.991 ug/ml
16) T n-Octacosane (C28)	16.949	1308541	10.917 ug/ml
17) T n-Tricontane (C30)	17.839	1257631	10.907 ug/ml
18) T n-Dotriacontane (C32)	18.672	1158654	10.937 ug/ml
19) T n-Tetratriacontane (C34)	19.459	1018840	10.875 ug/ml
20) T n-Hexatriacontane (C36)	20.200	869747	10.868 ug/ml
21) T n-Octatriacontane (C38)	20.969	782717	10.802 ug/ml
22) T n-Tetracontane (C40)	21.938	746688	10.849 ug/ml

(f)=RT Delta > 1/2 Window

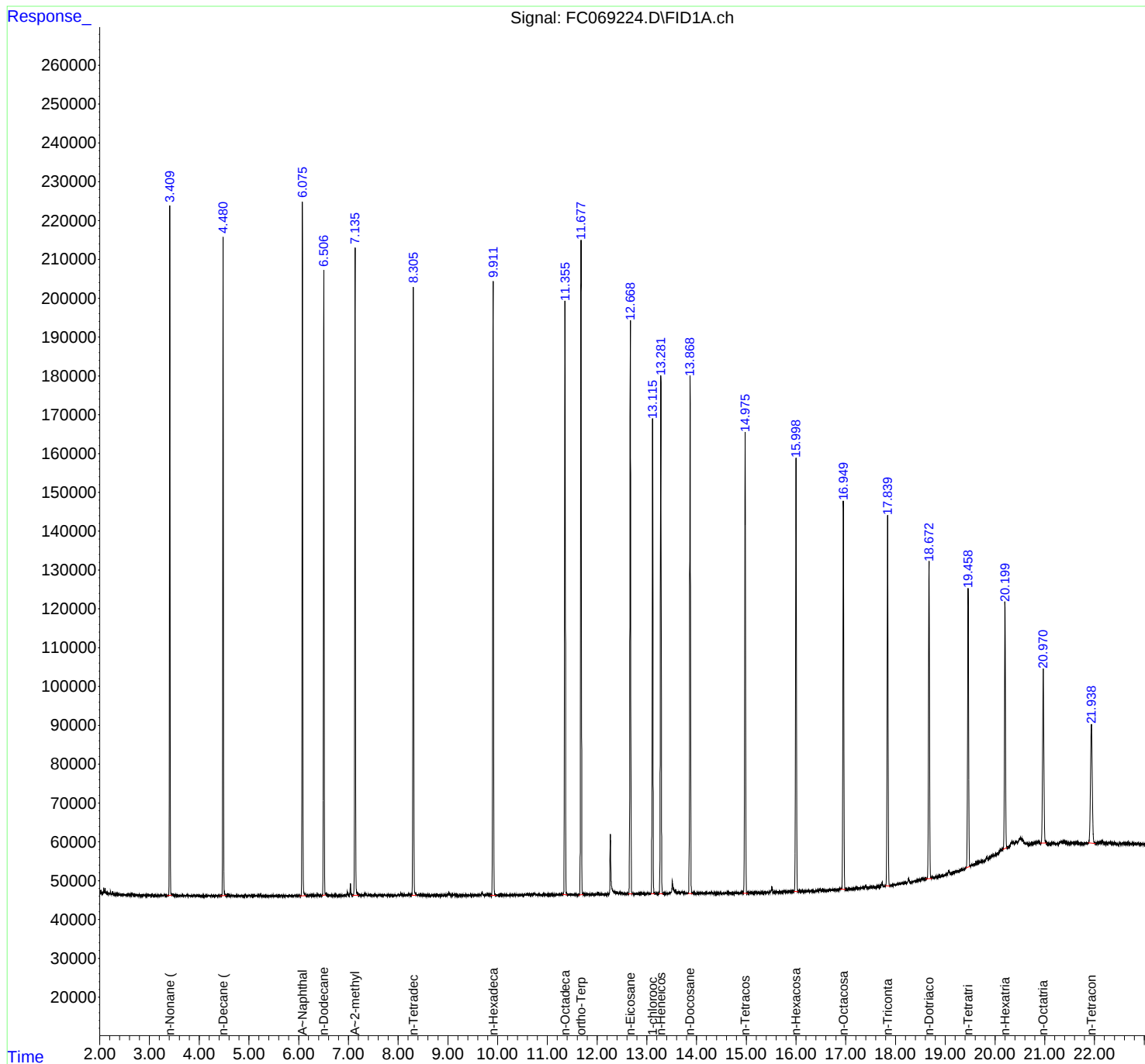
(m)=manual int.

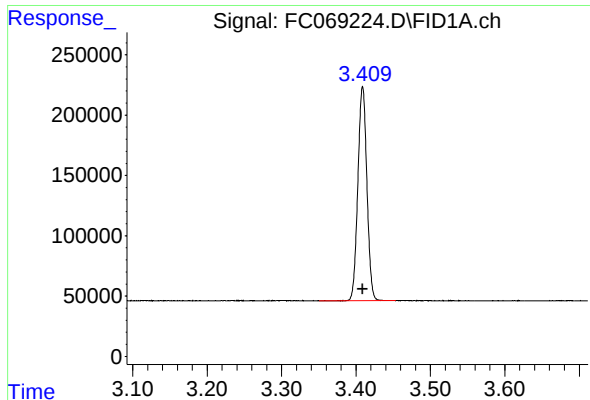
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069224.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 13:20
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jun 18 13:45:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 13:45:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

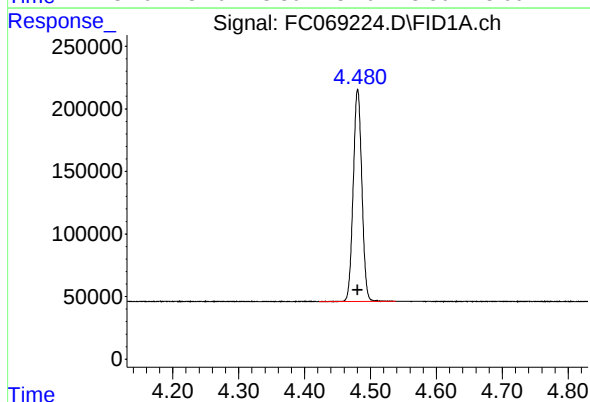




#1 n-Nonane (C9)

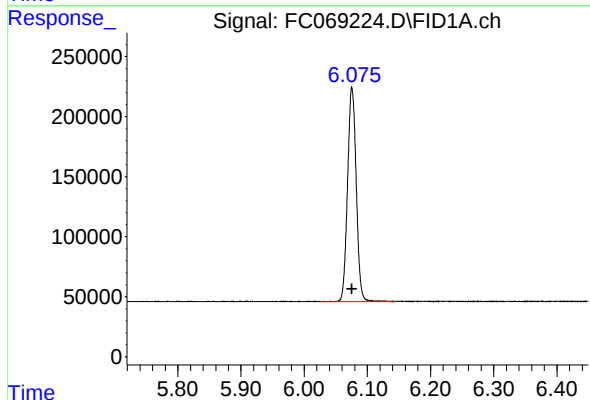
R.T.: 3.409 min
Delta R.T.: 0.000 min
Response: 1496071
Conc: 10.74 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



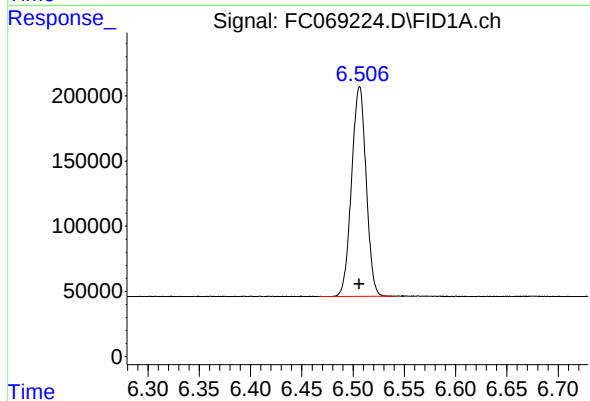
#2 n-Decane (C10)

R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 1544377
Conc: 10.75 ug/ml



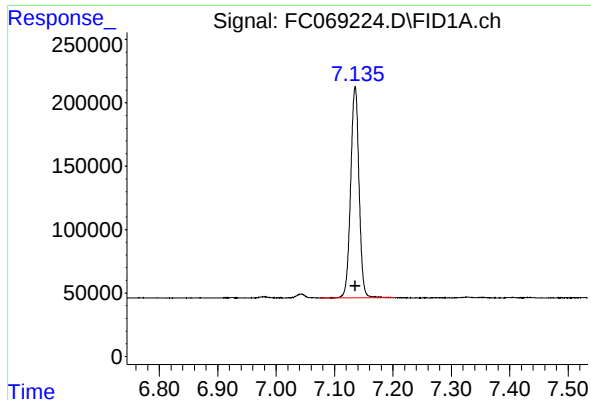
#3 A~Naphthalene (C11.7)

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 1699596
Conc: 10.78 ug/ml



#4 n-Dodecane (C12)

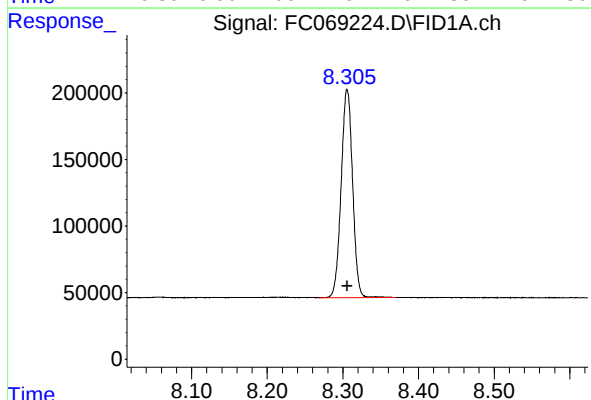
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 1592006
Conc: 10.71 ug/ml



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

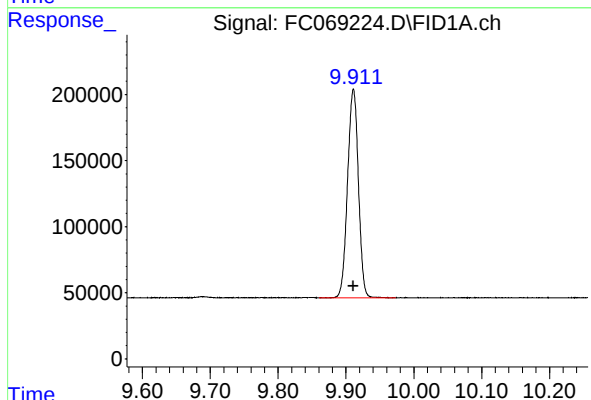
R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 1665892
Conc: 10.74 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



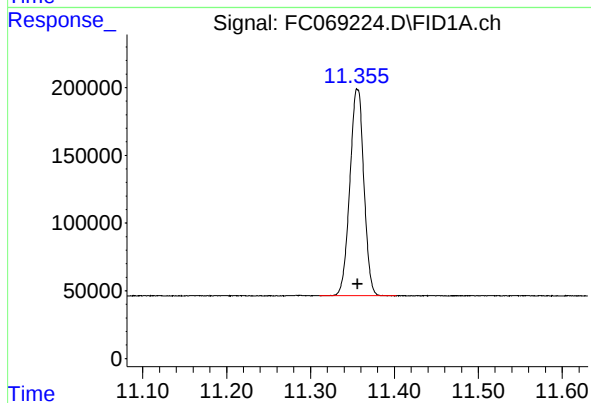
#6 n-Tetradecane (C14)

R.T.: 8.306 min
Delta R.T.: 0.000 min
Response: 1646260
Conc: 10.80 ug/ml



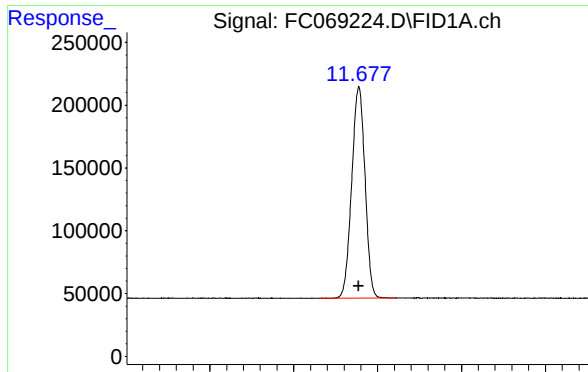
#7 n-Hexadecane (C16)

R.T.: 9.911 min
Delta R.T.: 0.000 min
Response: 1756433
Conc: 10.98 ug/ml



#8 n-Octadecane (C18)

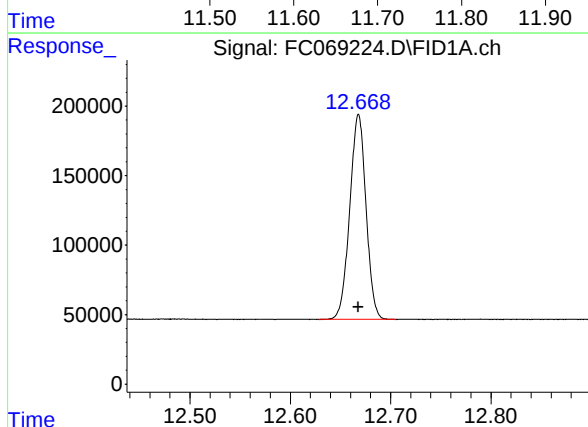
R.T.: 11.356 min
Delta R.T.: 0.000 min
Response: 1771170
Conc: 11.11 ug/ml



#9 ortho-Terphenyl (SURR)

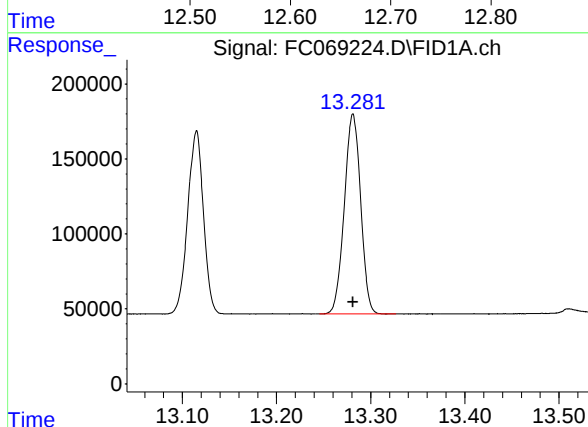
R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 1856143
Conc: 10.99 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



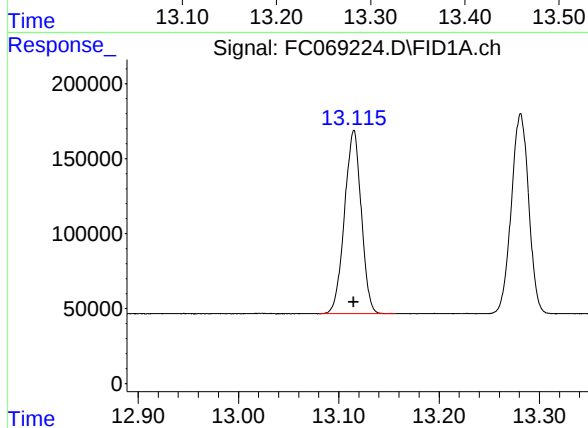
#10 n-Eicosane (C20)

R.T.: 12.668 min
Delta R.T.: 0.000 min
Response: 1665008
Conc: 11.20 ug/ml



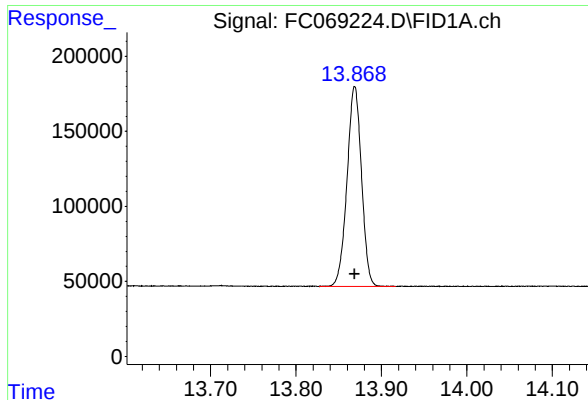
#11 n-Heneicosane (C21)

R.T.: 13.281 min
Delta R.T.: 0.000 min
Response: 1608585
Conc: 11.20 ug/ml



#12 1-chlorooctadecane (SURR)

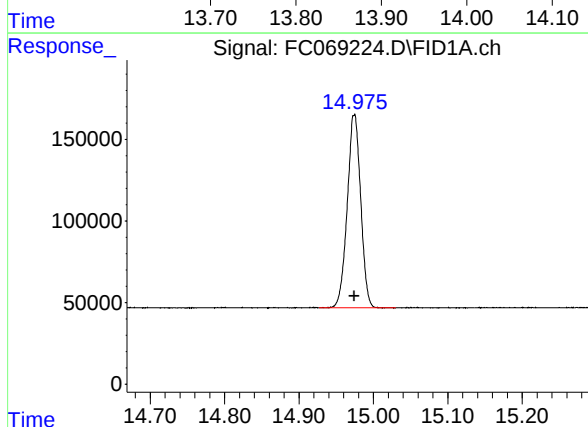
R.T.: 13.115 min
Delta R.T.: 0.000 min
Response: 1417487
Conc: 11.13 ug/ml



#13 n-Docosane (C22)

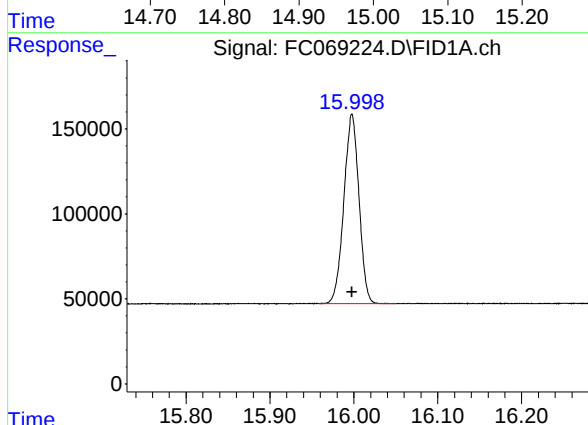
R.T.: 13.869 min
Delta R.T.: 0.000 min
Response: 1565876
Conc: 11.18 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



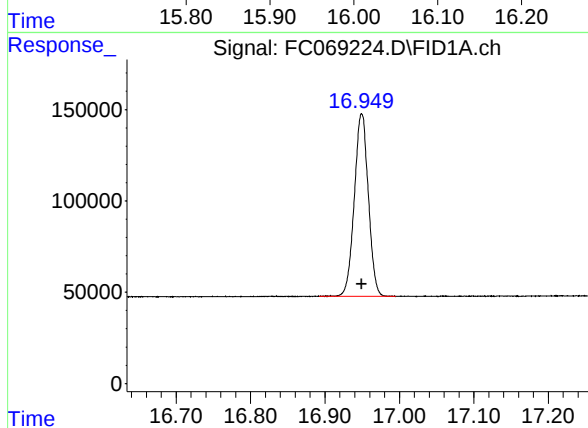
#14 n-Tetracosane (C24)

R.T.: 14.974 min
Delta R.T.: 0.000 min
Response: 1491873
Conc: 11.11 ug/ml



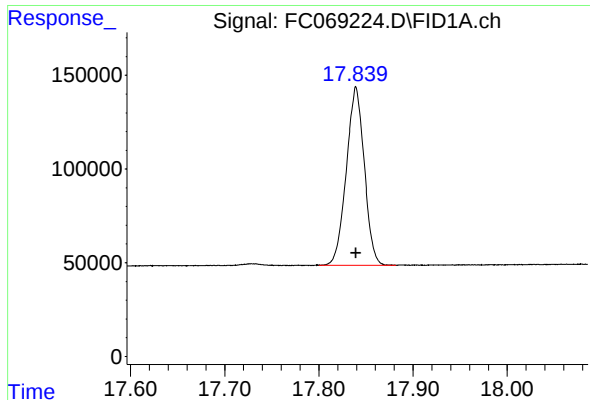
#15 n-Hexacosane (C26)

R.T.: 15.998 min
Delta R.T.: 0.000 min
Response: 1397927
Conc: 10.99 ug/ml



#16 n-Octacosane (C28)

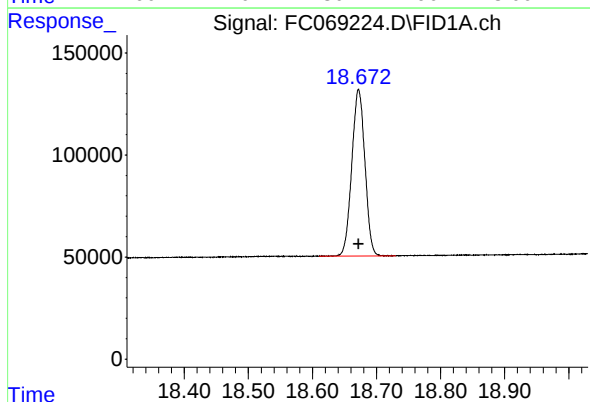
R.T.: 16.949 min
Delta R.T.: 0.000 min
Response: 1308541
Conc: 10.92 ug/ml



#17 n-Tricontane (C30)

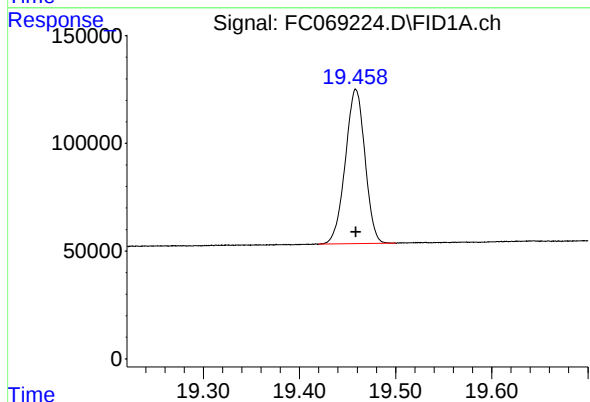
R.T.: 17.839 min
Delta R.T.: 0.000 min
Response: 1257631
Conc: 10.91 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



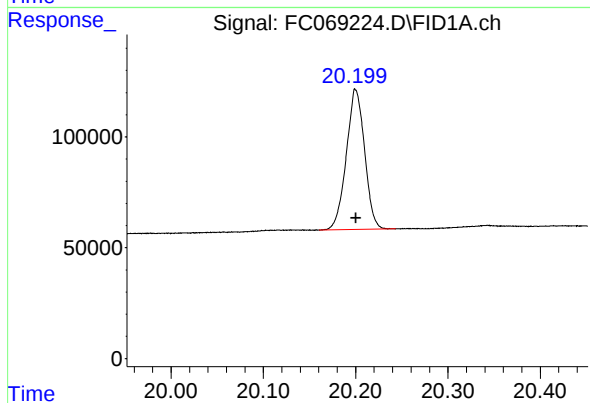
#18 n-Dotriacontane (C32)

R.T.: 18.672 min
Delta R.T.: 0.000 min
Response: 1158654
Conc: 10.94 ug/ml



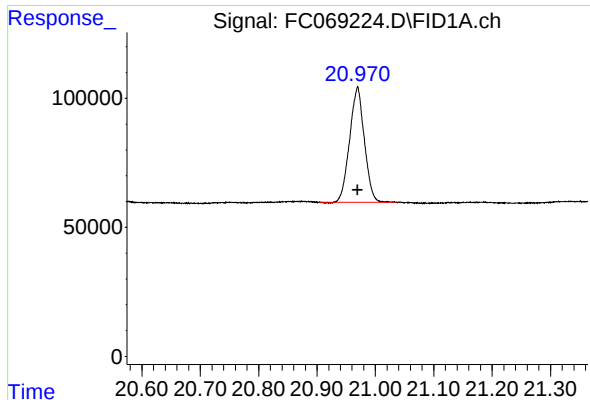
#19 n-Tetatriacontane (C34)

R.T.: 19.459 min
Delta R.T.: 0.000 min
Response: 1018840
Conc: 10.87 ug/ml



#20 n-Hexatriacontane (C36)

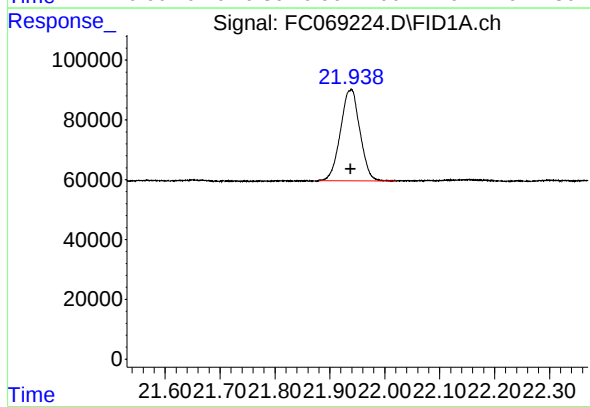
R.T.: 20.200 min
Delta R.T.: 0.000 min
Response: 869747
Conc: 10.87 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.969 min
Delta R.T.: 0.000 min
Response: 782717
Conc: 10.80 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.938 min
Delta R.T.: 0.000 min
Response: 746688
Conc: 10.85 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069224.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 13:20
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.409	3.350	3.454	BB	177619	1496071	80.60%	4.777%
2	4.481	4.422	4.539	BB	169567	1544377	83.20%	4.931%
3	6.076	6.024	6.145	BB	178321	1699596	91.57%	5.427%
4	6.506	6.467	6.542	BB	161845	1592006	85.77%	5.083%
5	7.135	7.074	7.205	BB	166692	1665892	89.75%	5.319%
6	8.306	8.269	8.370	BB	156558	1646260	88.69%	5.257%
7	9.911	9.860	9.974	BB	157792	1756433	94.63%	5.608%
8	11.356	11.310	11.402	BB	153146	1771170	95.42%	5.656%
9	11.678	11.630	11.722	BB	167827	1856143	100.00%	5.927%
10	12.668	12.629	12.705	BB	147990	1665008	89.70%	5.317%
11	13.115	13.080	13.157	BB	122636	1417487	76.37%	4.526%
12	13.281	13.245	13.327	BB	133774	1608585	86.66%	5.136%
13	13.869	13.827	13.917	BB	133414	1565876	84.36%	5.000%
14	14.974	14.927	15.030	BB	118969	1491873	80.37%	4.764%
15	15.998	15.959	16.050	BB	111607	1397927	75.31%	4.464%
16	16.949	16.892	16.995	BB	100098	1308541	70.50%	4.178%
17	17.839	17.800	17.882	BB	95148	1257631	67.76%	4.016%
18	18.672	18.610	18.730	BB	81586	1158654	62.42%	3.700%
19	19.459	19.420	19.500	BB	71711	1018840	54.89%	3.253%
20	20.200	20.160	20.244	BB	62876	869747	46.86%	2.777%
21	20.969	20.904	21.035	BB	44513	782717	42.17%	2.499%
22	21.938	21.880	22.020	BB	30555	746688	40.23%	2.384%
Sum of corrected areas:							31317521	

Aliphatic EPH 061825.M Wed Jun 18 14:37:36 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069225.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 14:03
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Jun 18 14:23:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:23:47 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)	11.678	942393	5.455 ug/ml
Spiked Amount 50.000		Recovery =	10.91%
12) S 1-chlorooctadecane (S...	13.114	718614	5.501 ug/ml
Spiked Amount 50.000		Recovery =	11.00%
Target Compounds			
1) T n-Nonane (C9)	3.410	768967	5.407 ug/ml
2) T n-Decane (C10)	4.481	785603	5.366 ug/ml
3) T A~Naphthalene (C11.7)	6.076	869708	5.405 ug/ml
4) T n-Dodecane (C12)	6.506	811783	5.361 ug/ml
5) T A~2-methylnaphthalene...	7.135	852964	5.390 ug/ml
6) T n-Tetradecane (C14)	8.306	827220	5.337 ug/ml
7) T n-Hexadecane (C16)	9.911	887029	5.428 ug/ml
8) T n-Octadecane (C18)	11.356	894124	5.476 ug/ml
10) T n-Eicosane (C20)	12.668	842048	5.517 ug/ml
11) T n-Heneicosane (C21)	13.281	813023	5.516 ug/ml
13) T n-Docosane (C22)	13.868	796002	5.532 ug/ml
14) T n-Tetracosane (C24)	14.974	763797	5.538 ug/ml
15) T n-Hexacosane (C26)	15.997	724210	5.540 ug/ml
16) T n-Octacosane (C28)	16.948	686066	5.563 ug/ml
17) T n-Tricontane (C30)	17.838	666002	5.602 ug/ml
18) T n-Dotriacontane (C32)	18.673	614700	5.622 ug/ml
19) T n-Tetratriacontane (C34)	19.458	540381	5.596 ug/ml
20) T n-Hexatriacontane (C36)	20.200	459698	5.578 ug/ml
21) T n-Octatriacontane (C38)	20.969	419007	5.607 ug/ml
22) T n-Tetracontane (C40)	21.937	393940	5.563 ug/ml

(f)=RT Delta > 1/2 Window

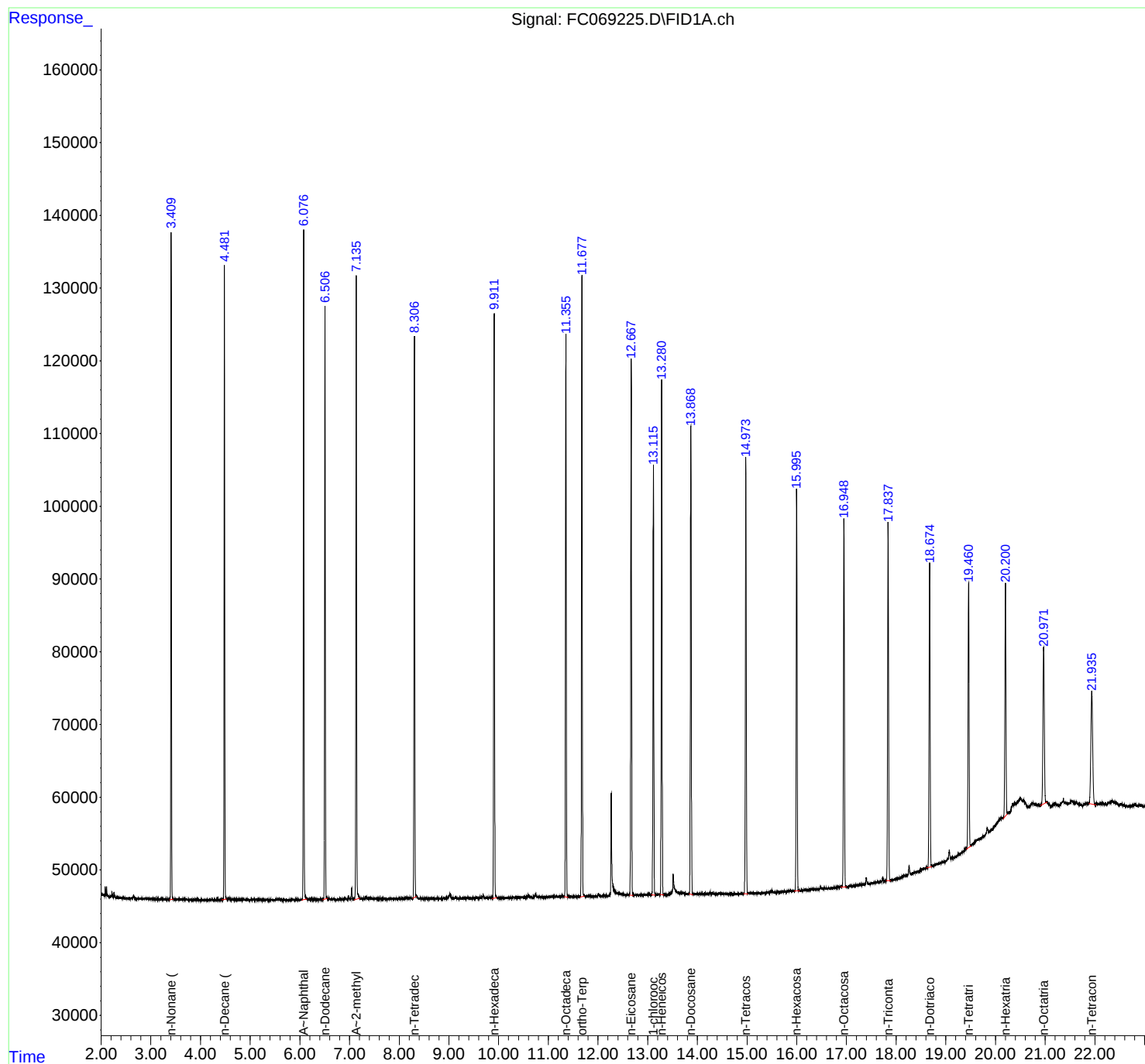
(m)=manual int.

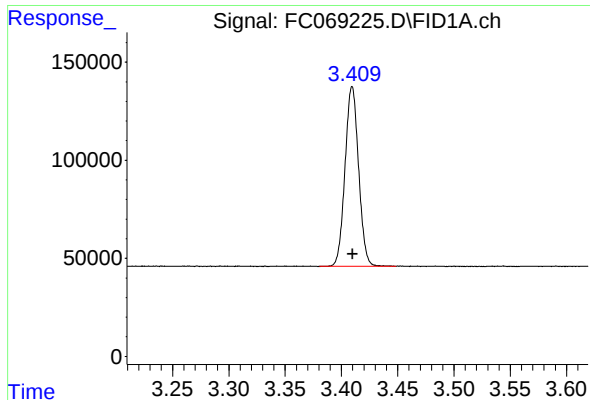
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069225.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 14:03
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Jun 18 14:23:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:23:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

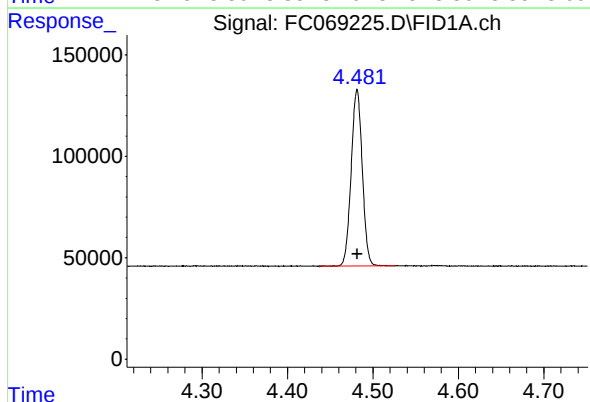




#1 n-Nonane (C9)

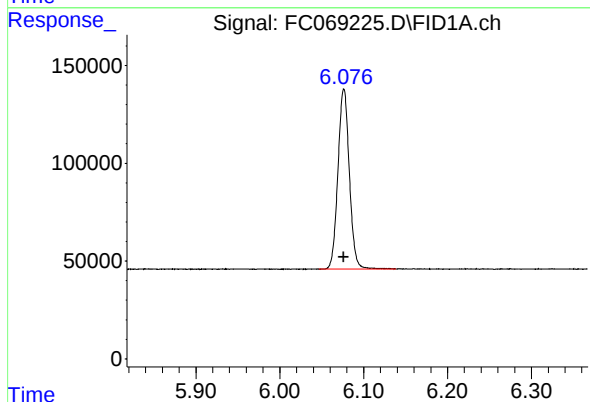
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 768967
Conc: 5.41 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



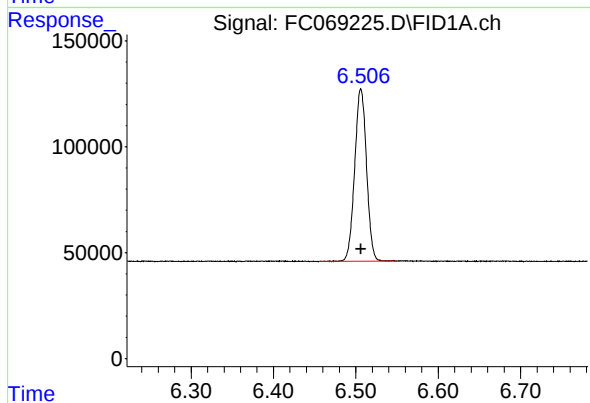
#2 n-Decane (C10)

R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 785603
Conc: 5.37 ug/ml



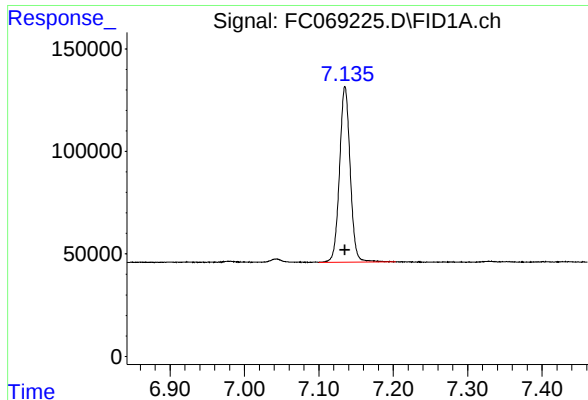
#3 A~Naphthalene (C11.7)

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 869708
Conc: 5.41 ug/ml



#4 n-Dodecane (C12)

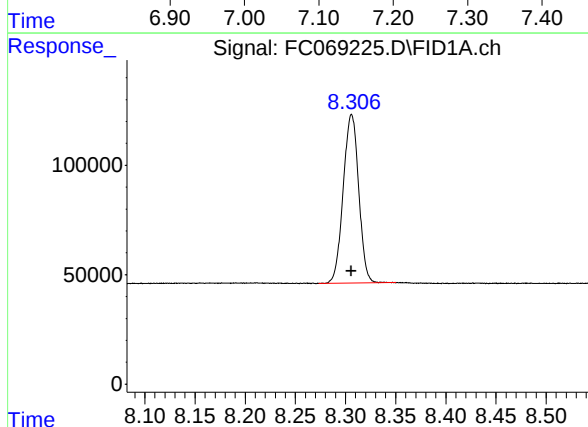
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 811783
Conc: 5.36 ug/ml



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

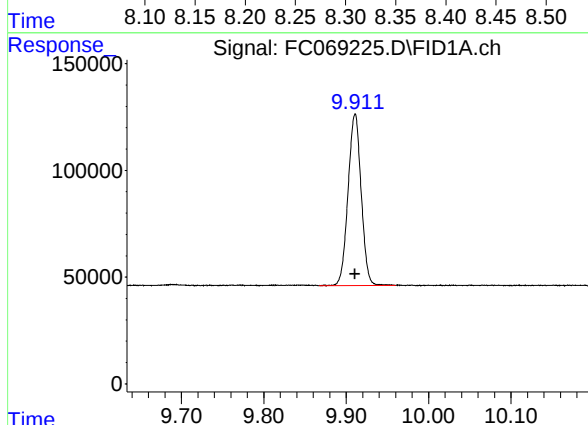
R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 852964
Conc: 5.39 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



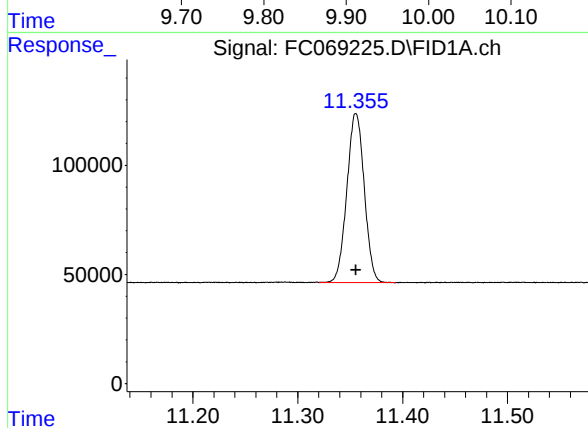
#6 n-Tetradecane (C14)

R.T.: 8.306 min
Delta R.T.: 0.000 min
Response: 827220
Conc: 5.34 ug/ml



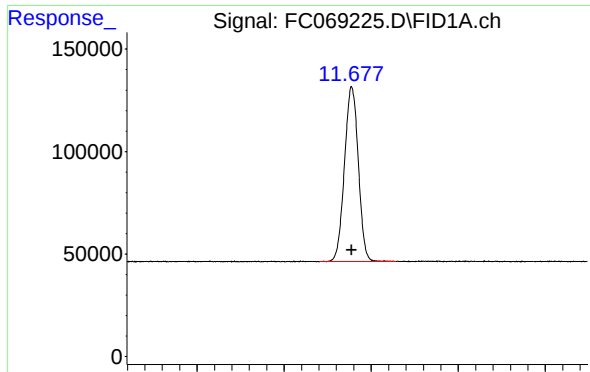
#7 n-Hexadecane (C16)

R.T.: 9.911 min
Delta R.T.: 0.000 min
Response: 887029
Conc: 5.43 ug/ml



#8 n-Octadecane (C18)

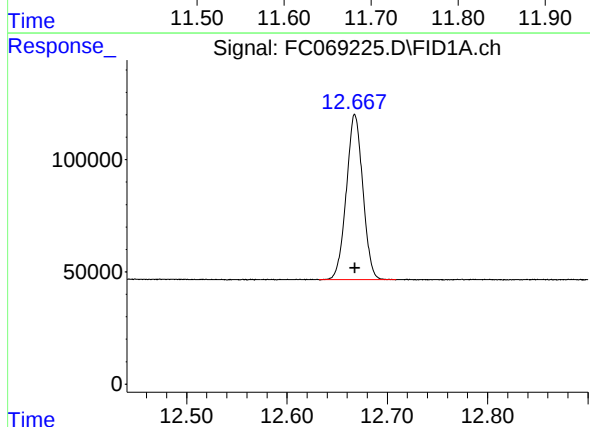
R.T.: 11.356 min
Delta R.T.: 0.000 min
Response: 894124
Conc: 5.48 ug/ml



#9 ortho-Terphenyl (SURR)

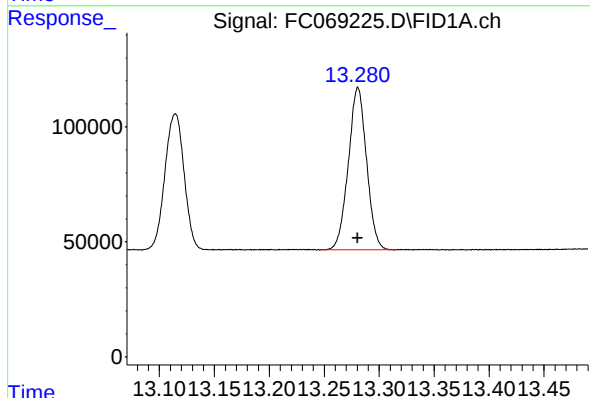
R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 942393
Conc: 5.45 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



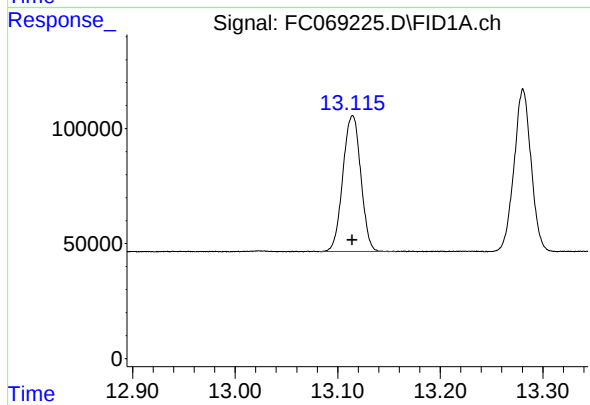
#10 n-Eicosane (C20)

R.T.: 12.668 min
Delta R.T.: 0.000 min
Response: 842048
Conc: 5.52 ug/ml



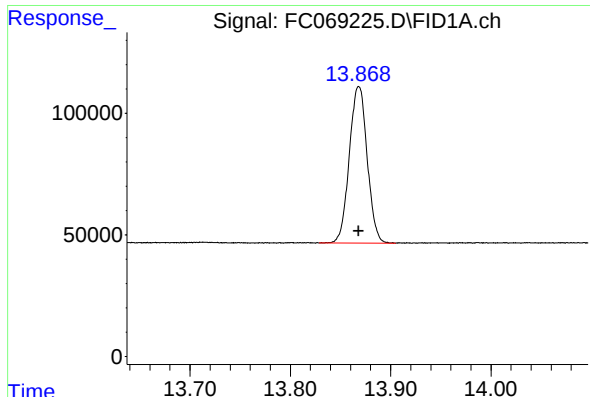
#11 n-Heneicosane (C21)

R.T.: 13.281 min
Delta R.T.: 0.000 min
Response: 813023
Conc: 5.52 ug/ml



#12 1-chlorooctadecane (SURR)

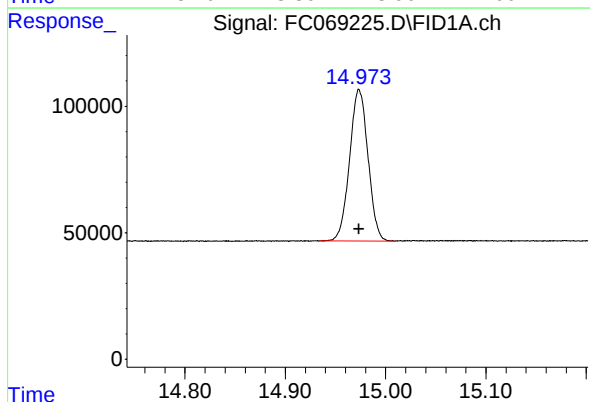
R.T.: 13.114 min
Delta R.T.: 0.000 min
Response: 718614
Conc: 5.50 ug/ml



#13 n-Docosane (C22)

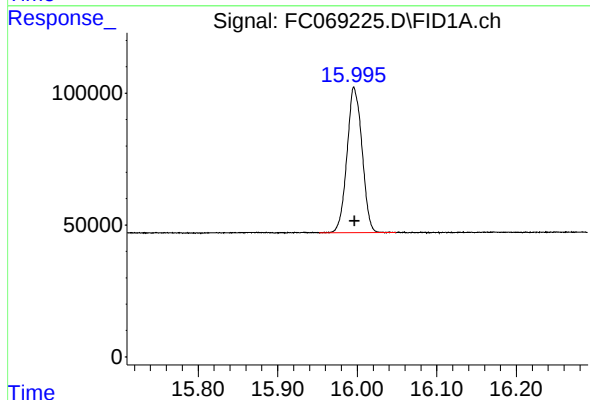
R.T.: 13.868 min
Delta R.T.: 0.000 min
Response: 796002
Conc: 5.53 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



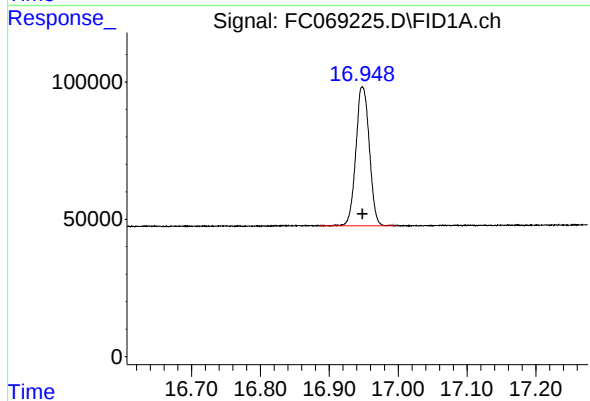
#14 n-Tetracosane (C24)

R.T.: 14.974 min
Delta R.T.: 0.000 min
Response: 763797
Conc: 5.54 ug/ml



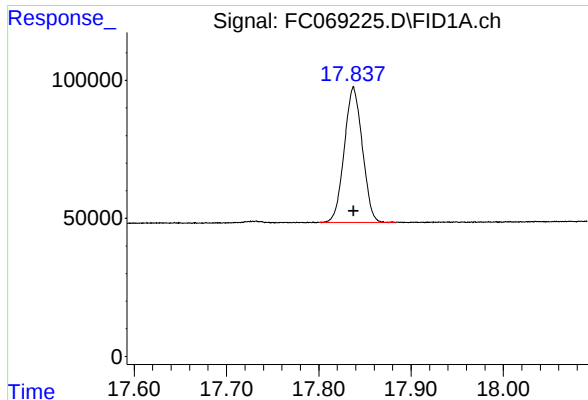
#15 n-Hexacosane (C26)

R.T.: 15.997 min
Delta R.T.: 0.000 min
Response: 724210
Conc: 5.54 ug/ml



#16 n-Octacosane (C28)

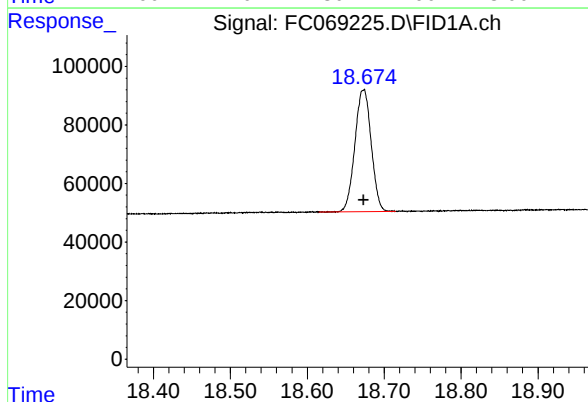
R.T.: 16.948 min
Delta R.T.: 0.000 min
Response: 686066
Conc: 5.56 ug/ml



#17 n-Tricontane (C30)

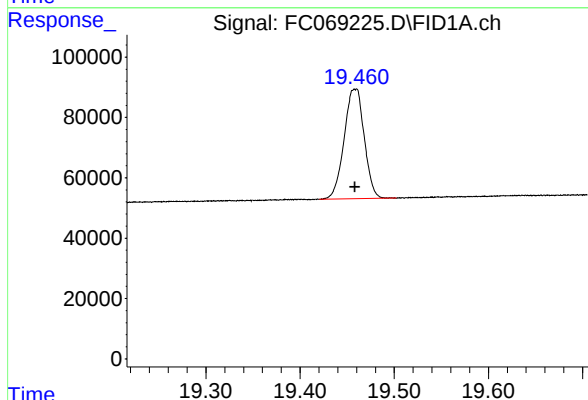
R.T.: 17.838 min
Delta R.T.: 0.000 min
Response: 666002
Conc: 5.60 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



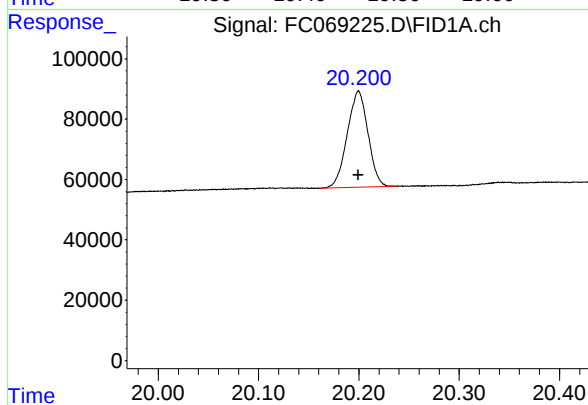
#18 n-Dotriacontane (C32)

R.T.: 18.673 min
Delta R.T.: 0.000 min
Response: 614700
Conc: 5.62 ug/ml



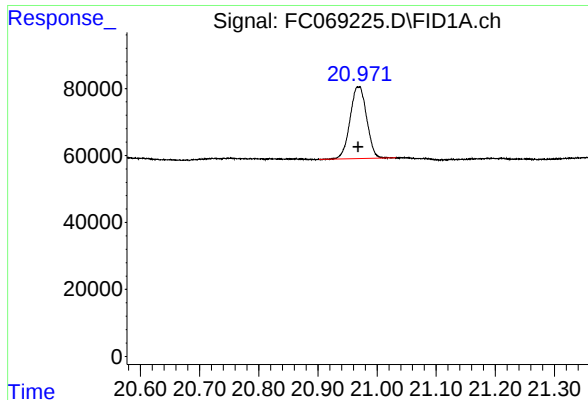
#19 n-Tetratriacontane (C34)

R.T.: 19.458 min
Delta R.T.: 0.000 min
Response: 540381
Conc: 5.60 ug/ml



#20 n-Hexatriacontane (C36)

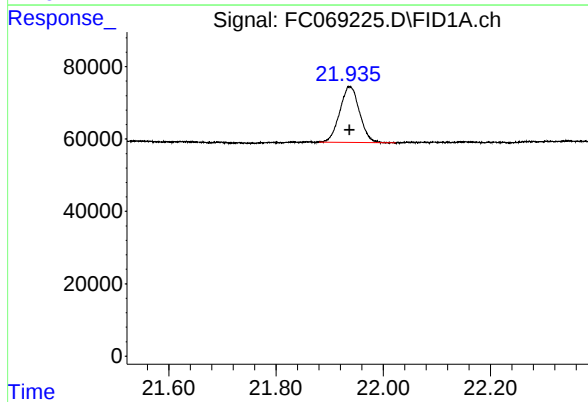
R.T.: 20.200 min
Delta R.T.: 0.000 min
Response: 459698
Conc: 5.58 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.969 min
Delta R.T.: 0.000 min
Response: 419007
Conc: 5.61 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.937 min
Delta R.T.: 0.000 min
Response: 393940
Conc: 5.56 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069225.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 14:03
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.410	3.380	3.449	BB	91878	768967	81.60%	4.783%
2	4.481	4.437	4.527	BB	87247	785603	83.36%	4.886%
3	6.076	6.047	6.139	BB	92272	869708	92.29%	5.410%
4	6.506	6.455	6.549	BB	81230	811783	86.14%	5.049%
5	7.135	7.100	7.204	BB	85753	852964	90.51%	5.305%
6	8.306	8.274	8.350	BB	77049	827220	87.78%	5.145%
7	9.911	9.867	9.960	BB	80293	887029	94.13%	5.517%
8	11.356	11.320	11.394	BB	77410	894124	94.88%	5.561%
9	11.678	11.640	11.729	BB	84784	942393	100.00%	5.862%
10	12.668	12.632	12.709	BB	73078	842048	89.35%	5.238%
11	13.114	13.082	13.157	BB	59088	718614	76.25%	4.470%
12	13.281	13.245	13.315	BB	70672	813023	86.27%	5.057%
13	13.868	13.829	13.905	BB	64412	796002	84.47%	4.951%
14	14.974	14.934	15.010	BB	59988	763797	81.05%	4.751%
15	15.997	15.952	16.049	BB	54380	724210	76.85%	4.505%
16	16.948	16.885	16.997	BB	50496	686066	72.80%	4.267%
17	17.838	17.800	17.884	BB	48943	666002	70.67%	4.143%
18	18.673	18.615	18.715	BB	41575	614700	65.23%	3.823%
19	19.458	19.420	19.502	BB	36225	540381	57.34%	3.361%
20	20.200	20.160	20.237	BB	32066	459698	48.78%	2.859%
21	20.969	20.902	21.032	BB	21311	419007	44.46%	2.606%
22	21.937	21.880	22.024	BB	15337	393940	41.80%	2.450%
Sum of corrected areas:							16077276	

Aliphatic EPH 061825.M Wed Jun 18 14:37:19 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069226.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 14:45
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Jun 18 15:23:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 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)	11.680	3253610	18.833 ug/ml
Spiked Amount 50.000		Recovery =	37.67%
12) S 1-chlorooctadecane (S...	13.116	2474788	18.943 ug/ml
Spiked Amount 50.000		Recovery =	37.89%
Target Compounds			
1) T n-Nonane (C9)	3.410	2571511	18.081 ug/ml
2) T n-Decane (C10)	4.482	2650200	18.103 ug/ml
3) T A~Naphthalene (C11.7)	6.077	2926181	18.187 ug/ml
4) T n-Dodecane (C12)	6.507	2762531	18.244 ug/ml
5) T A~2-methylnaphthalene...	7.136	2898798	18.318 ug/ml
6) T n-Tetradecane (C14)	8.307	2886495	18.622 ug/ml
7) T n-Hexadecane (C16)	9.912	3074968	18.817 ug/ml
8) T n-Octadecane (C18)	11.357	3098893	18.980 ug/ml
10) T n-Eicosane (C20)	12.670	2897467	18.982 ug/ml
11) T n-Heneicosane (C21)	13.283	2797161	18.978 ug/ml
13) T n-Docosane (C22)	13.871	2718940	18.897 ug/ml
14) T n-Tetracosane (C24)	14.975	2594124	18.807 ug/ml
15) T n-Hexacosane (C26)	15.998	2449139	18.735 ug/ml
16) T n-Octacosane (C28)	16.949	2300993	18.657 ug/ml
17) T n-Tricontane (C30)	17.839	2215902	18.639 ug/ml
18) T n-Dotriacontane (C32)	18.675	2037377	18.634 ug/ml
19) T n-Tetratriacontane (C34)	19.460	1803580	18.677 ug/ml
20) T n-Hexatriacontane (C36)	20.201	1557268	18.896 ug/ml
21) T n-Octatriacontane (C38)	20.971	1411730	18.891 ug/ml
22) T n-Tetracontane (C40)	21.939	1331528	18.803 ug/ml

(f)=RT Delta > 1/2 Window

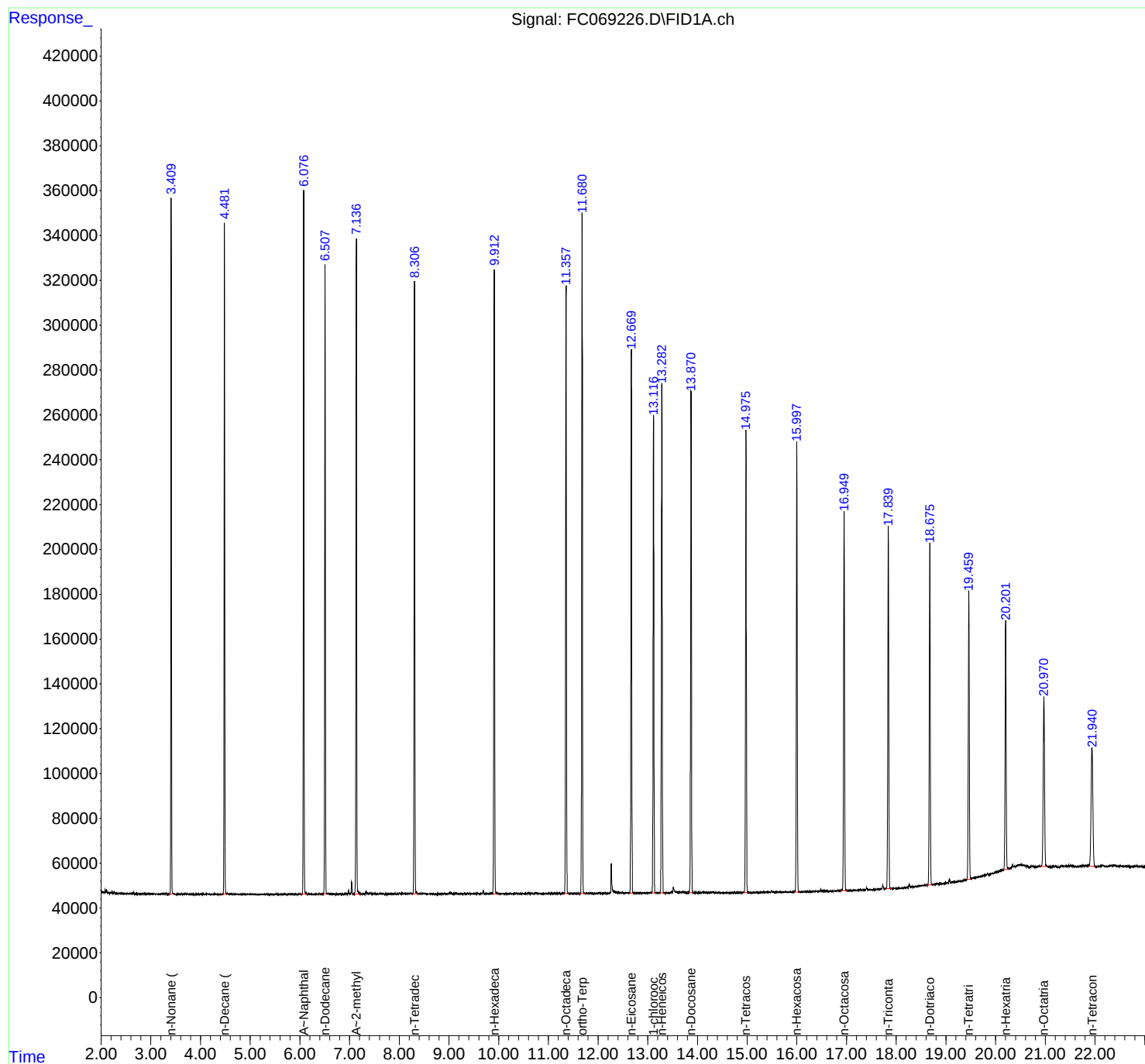
(m)=manual int.

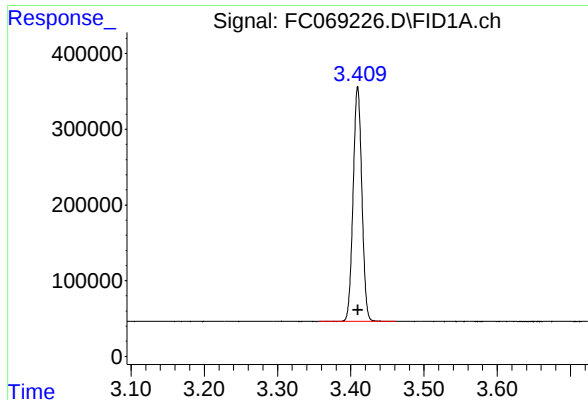
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069226.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 14:45
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jun 18 15:23:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

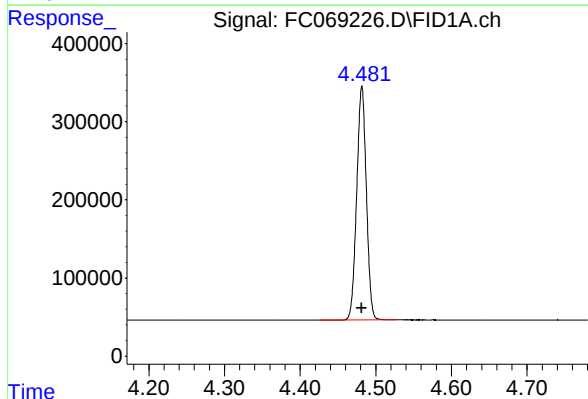




#1 n-Nonane (C9)

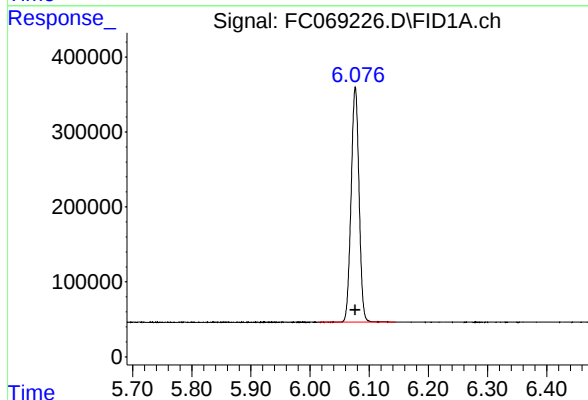
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 2571511
Conc: 18.08 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



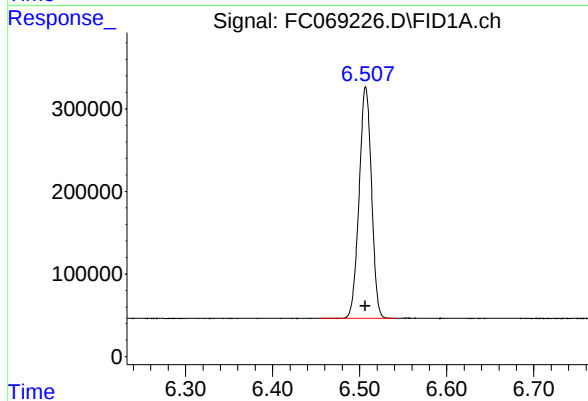
#2 n-Decane (C10)

R.T.: 4.482 min
Delta R.T.: 0.000 min
Response: 2650200
Conc: 18.10 ug/ml



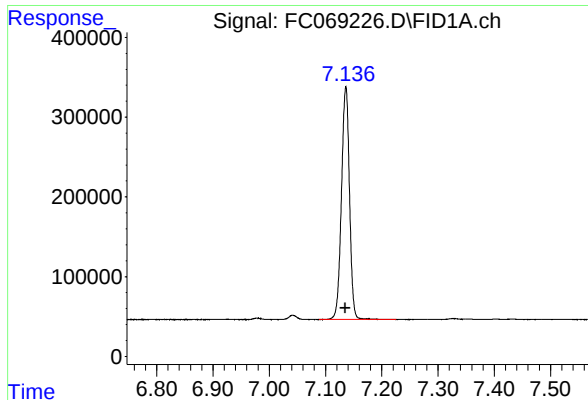
#3 A~Naphthalene (C11.7)

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 2926181
Conc: 18.19 ug/ml



#4 n-Dodecane (C12)

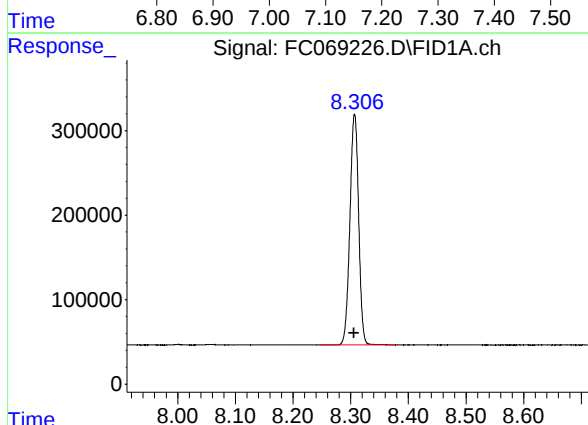
R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 2762531
Conc: 18.24 ug/ml



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

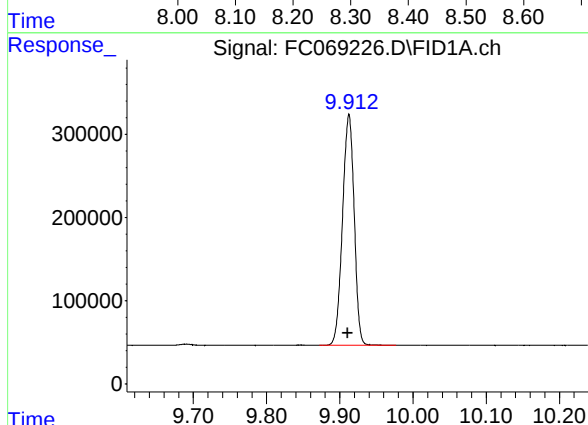
R.T.: 7.136 min
Delta R.T.: 0.000 min
Response: 2898798
Conc: 18.32 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



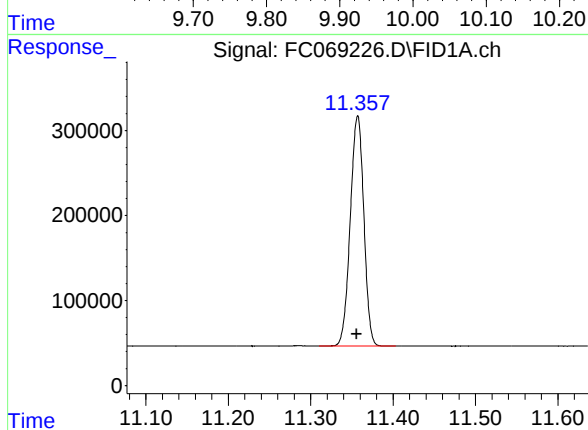
#6 n-Tetradecane (C14)

R.T.: 8.307 min
Delta R.T.: 0.000 min
Response: 2886495
Conc: 18.62 ug/ml



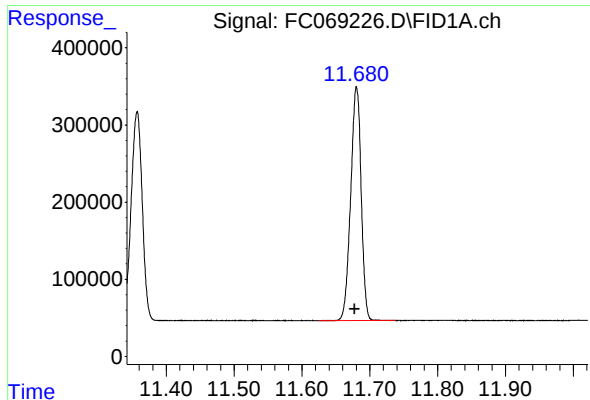
#7 n-Hexadecane (C16)

R.T.: 9.912 min
Delta R.T.: 0.002 min
Response: 3074968
Conc: 18.82 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.357 min
Delta R.T.: 0.001 min
Response: 3098893
Conc: 18.98 ug/ml



#9 ortho-Terphenyl (SURR)

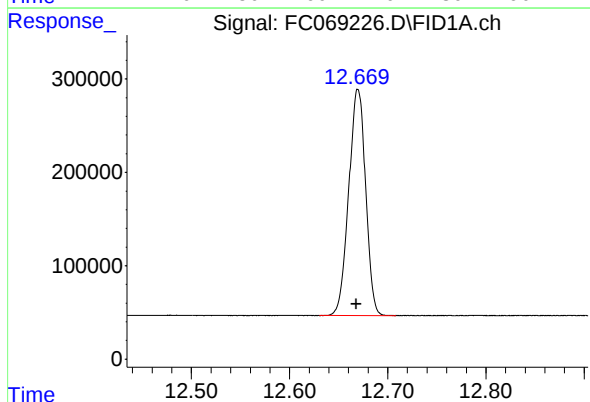
R.T.: 11.680 min
Delta R.T.: 0.003 min
Response: 3253610
Conc: 18.83 ug/ml

Instrument :

FID_C

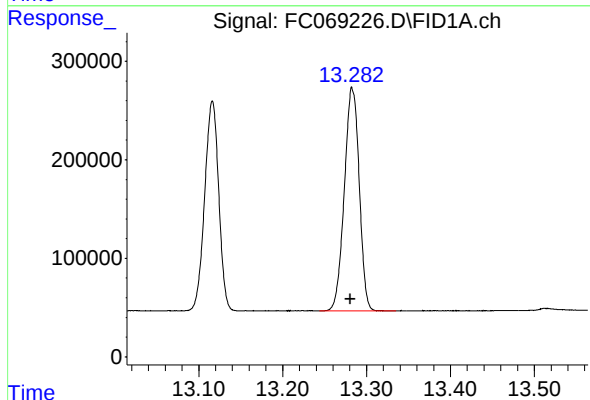
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



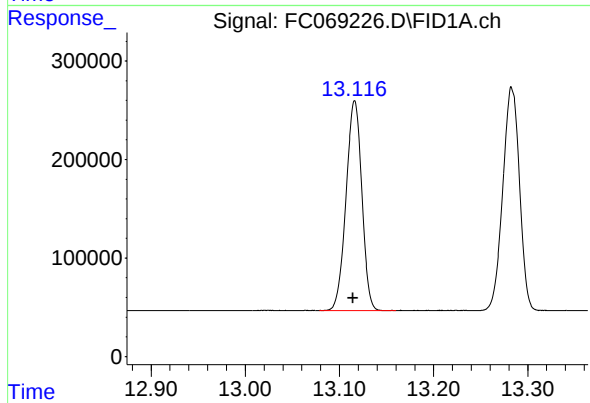
#10 n-Eicosane (C20)

R.T.: 12.670 min
Delta R.T.: 0.002 min
Response: 2897467
Conc: 18.98 ug/ml



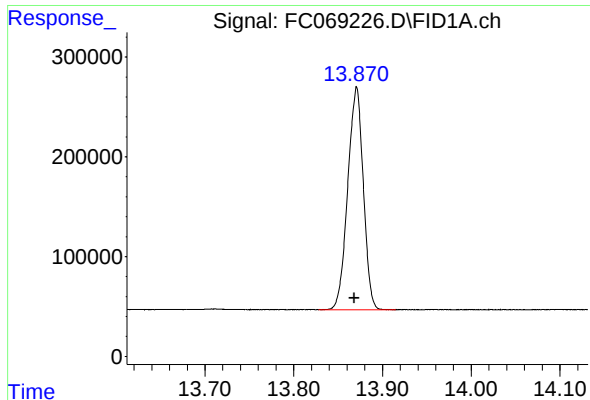
#11 n-Heneicosane (C21)

R.T.: 13.283 min
Delta R.T.: 0.002 min
Response: 2797161
Conc: 18.98 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.116 min
Delta R.T.: 0.002 min
Response: 2474788
Conc: 18.94 ug/ml



#13 n-Docosane (C22)

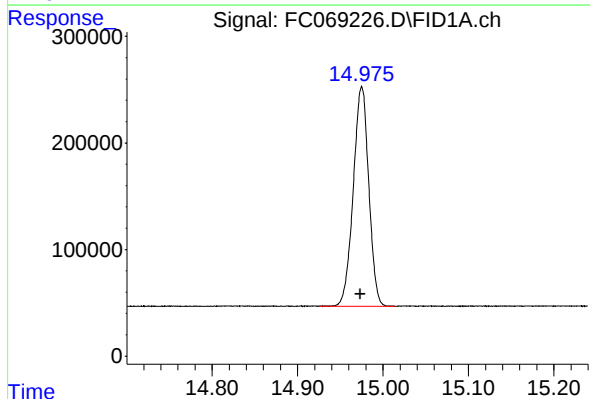
R.T.: 13.871 min
Delta R.T.: 0.002 min
Response: 2718940
Conc: 18.90 ug/ml

Instrument :

FID_C

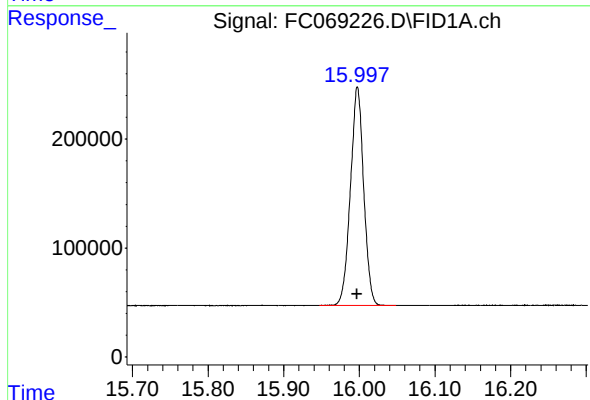
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



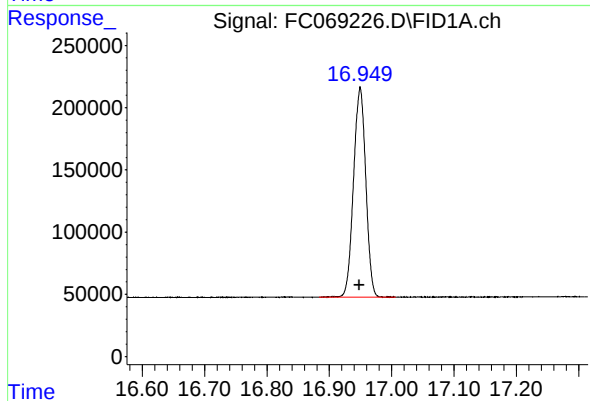
#14 n-Tetracosane (C24)

R.T.: 14.975 min
Delta R.T.: 0.001 min
Response: 2594124
Conc: 18.81 ug/ml



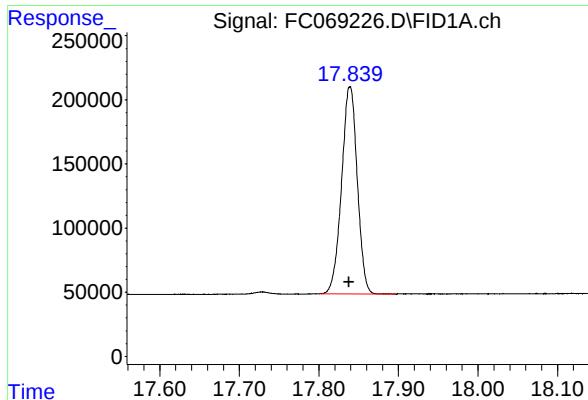
#15 n-Hexacosane (C26)

R.T.: 15.998 min
Delta R.T.: 0.001 min
Response: 2449139
Conc: 18.74 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.949 min
Delta R.T.: 0.000 min
Response: 2300993
Conc: 18.66 ug/ml



#17 n-Tricontane (C30)

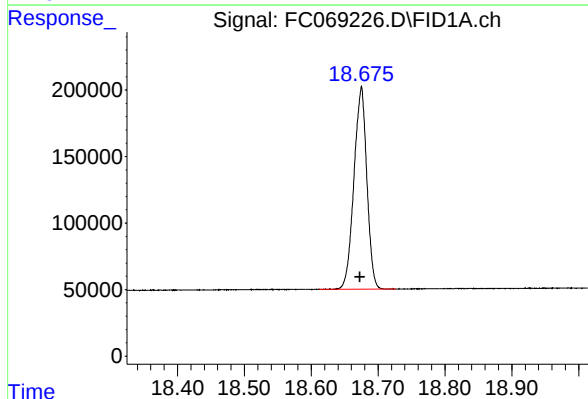
R.T.: 17.839 min
Delta R.T.: 0.001 min
Response: 2215902
Conc: 18.64 ug/ml

Instrument :

FID_C

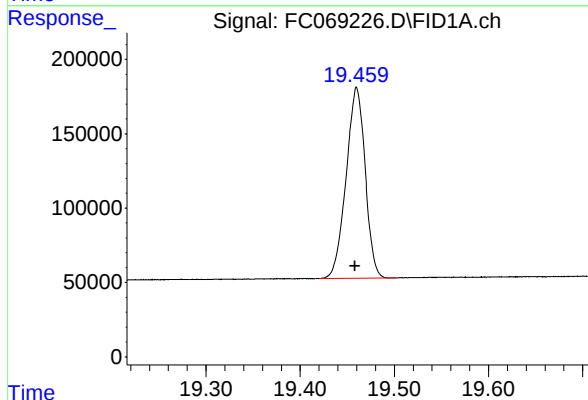
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



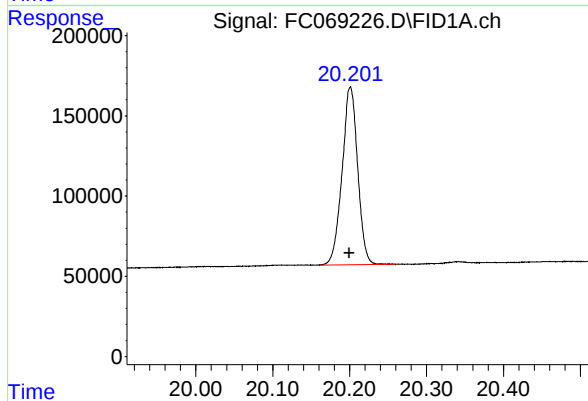
#18 n-Dotriacontane (C32)

R.T.: 18.675 min
Delta R.T.: 0.002 min
Response: 2037377
Conc: 18.63 ug/ml



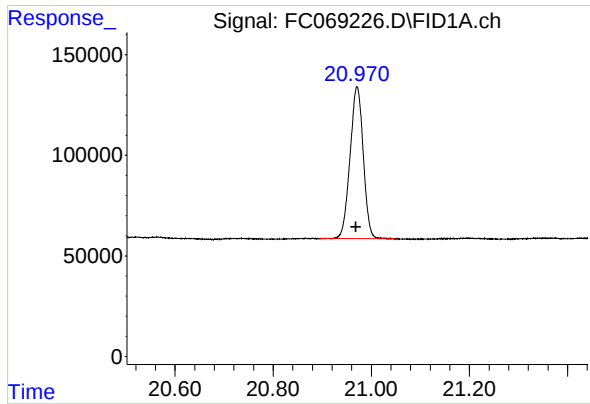
#19 n-Tetatriacontane (C34)

R.T.: 19.460 min
Delta R.T.: 0.002 min
Response: 1803580
Conc: 18.68 ug/ml



#20 n-Hexatriacontane (C36)

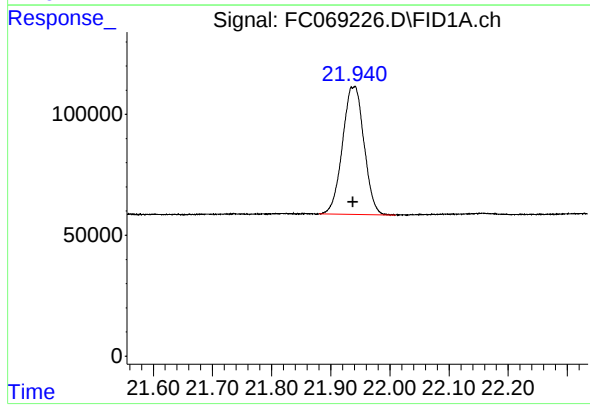
R.T.: 20.201 min
Delta R.T.: 0.001 min
Response: 1557268
Conc: 18.90 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.971 min
Delta R.T.: 0.002 min
Response: 1411730
Conc: 18.89 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.939 min
Delta R.T.: 0.001 min
Response: 1331528
Conc: 18.80 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069226.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 14:45
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.410	3.357	3.462	BB	310610	2571511	79.04%	4.700%
2	4.482	4.425	4.527	BB	299540	2650200	81.45%	4.844%
3	6.077	6.015	6.145	BB	314091	2926181	89.94%	5.348%
4	6.507	6.453	6.542	BB	280576	2762531	84.91%	5.049%
5	7.136	7.088	7.225	BB	293786	2898798	89.09%	5.298%
6	8.307	8.245	8.378	BB	273480	2886495	88.72%	5.276%
7	9.912	9.872	9.977	BB	276956	3074968	94.51%	5.620%
8	11.357	11.310	11.403	BB	270716	3098893	95.24%	5.664%
9	11.680	11.625	11.738	BB	303465	3253610	100.00%	5.947%
10	12.670	12.630	12.708	BB	242161	2897467	89.05%	5.296%
11	13.116	13.078	13.160	BB	213636	2474788	76.06%	4.523%
12	13.283	13.243	13.335	BB	224409	2797161	85.97%	5.112%
13	13.871	13.828	13.915	BB	223018	2718940	83.57%	4.969%
14	14.975	14.925	15.015	BB	206118	2594124	79.73%	4.741%
15	15.998	15.947	16.048	BB	201397	2449139	75.27%	4.476%
16	16.949	16.883	17.007	BB	168971	2300993	70.72%	4.206%
17	17.839	17.800	17.897	BB	161622	2215902	68.11%	4.050%
18	18.675	18.612	18.727	BB	152633	2037377	62.62%	3.724%
19	19.460	19.420	19.502	BB	128446	1803580	55.43%	3.296%
20	20.201	20.160	20.260	BB	111015	1557268	47.86%	2.846%
21	20.971	20.893	21.050	BB	75755	1411730	43.39%	2.580%
22	21.939	21.880	22.010	BB	52545	1331528	40.92%	2.434%
Sum of corrected areas:						54713182		

Aliphatic EPH 061825.M Wed Jun 18 15:24:52 2025

Initial Calibration Report for SequenceID : FE062725AL

AreaCount

Parameter Range	FE054608.D	FE054609.D	FE054610.D	FE054611.D	FE054612.D	
Aliphatic C9-C12	38319626.000	18841259.000	7903525.000	4345683.000	2255301.000	
Aliphatic C12-C16	26299885.000	12905734.000	5443215.000	2993160.000	1565455.000	
Aliphatic C16-C21	40647007.000	19884289.000	8390490.000	4604333.000	2408955.000	
Aliphatic C21-C28	54422256.000	26660814.000	11204648.000	6127397.000	3213117.000	
Aliphatic C28-C40	69156138.000	36606449.000	15572202.000	9126447.000	5222398.000	
Aliphatic EPH	228844912.000	114898545.000	48514080.000	27197020.000	14665226.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	136055.079333	8.044				
Aliphatic C12-C16	140568.128	8.513				
Aliphatic C16-C21	144393.643333	8.376				
Aliphatic C21-C28	144651.717	8.126				
Aliphatic C28-C40	138647.4919998	17.441				
Aliphatic EPH	140720.791333	11.192				

Concentration

Parameter Range	FE054608.D	FE054609.D	FE054610.D	FE054611.D	FE054612.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	FE054608.D	FE054609.D	FE054610.D	FE054611.D	FE054612.D	
Aliphatic C9-C12	127732.086666	125608.393333	131725.416666	144856.100000	150353.400000	
Aliphatic C12-C16	131499.425000	129057.340000	136080.375000	149658.000000	156545.500000	
Aliphatic C16-C21	135490.023333	132561.926666	139841.500000	153477.766666	160597.000000	

Initial Calibration Report for SequenceID : FE062725AL

Aliphatic C21-C28	136055.640000	133304.070000	140058.100000	153184.925000	160655.850000	
Aliphatic C28-C40	115260.230000	122021.496666	129768.350000	152107.450000	174079.933333	
Aliphatic EPH	127136.062222	127665.050000	134761.333333	151094.555555	162946.955555	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054608.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 12:53
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Jun 27 14:25:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 14:25:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.071	15261711	98.315 ug/ml
Spiked Amount 50.000		Recovery =	196.63%
12) S 1-chlorooctadecane (S...	13.503	11912385	98.558 ug/ml
Spiked Amount 50.000		Recovery =	197.12%
Target Compounds			
1) T n-Nonane (C9)	3.421	12635864	98.501 ug/ml
2) T n-Decane (C10)	4.676	12802268	98.438 ug/ml
3) T A~Naphthalene (C11.7)	6.388	14212427	98.414 ug/ml
4) T n-Dodecane (C12)	6.848	12881494	98.444 ug/ml
5) T A~2-methylnaphthalene...	7.488	13806245	98.393 ug/ml
6) T n-Tetradecane (C14)	8.683	12896740	98.170 ug/ml
7) T n-Hexadecane (C16)	10.296	13403145	98.402 ug/ml
8) T n-Octadecane (C18)	11.745	13738504	98.383 ug/ml
10) T n-Eicosane (C20)	13.057	13489369	98.417 ug/ml
11) T n-Heneicosane (C21)	13.671	13419134	98.460 ug/ml
13) T n-Docosane (C22)	14.257	13479858	98.591 ug/ml
14) T n-Tetracosane (C24)	15.363	13696854	98.641 ug/ml
15) T n-Hexacosane (C26)	16.386	13694406	98.865 ug/ml
16) T n-Octacosane (C28)	17.337	13551138	98.105 ug/ml
17) T n-Tricontane (C30)	18.224	13754161	95.716 ug/ml
18) T n-Dotriacontane (C32)	19.056	13143119	93.127 ug/ml
19) T n-Tetratriacontane (C34)	19.839	12141560	91.978 ug/ml
20) T n-Hexatriacontane (C36)	20.578	11077409	94.492 ug/ml
21) T n-Octatriacontane (C38)	21.352	9810489	94.258 ug/ml
22) T n-Tetracontane (C40)	22.334	9229400	95.208 ug/ml

(f)=RT Delta > 1/2 Window

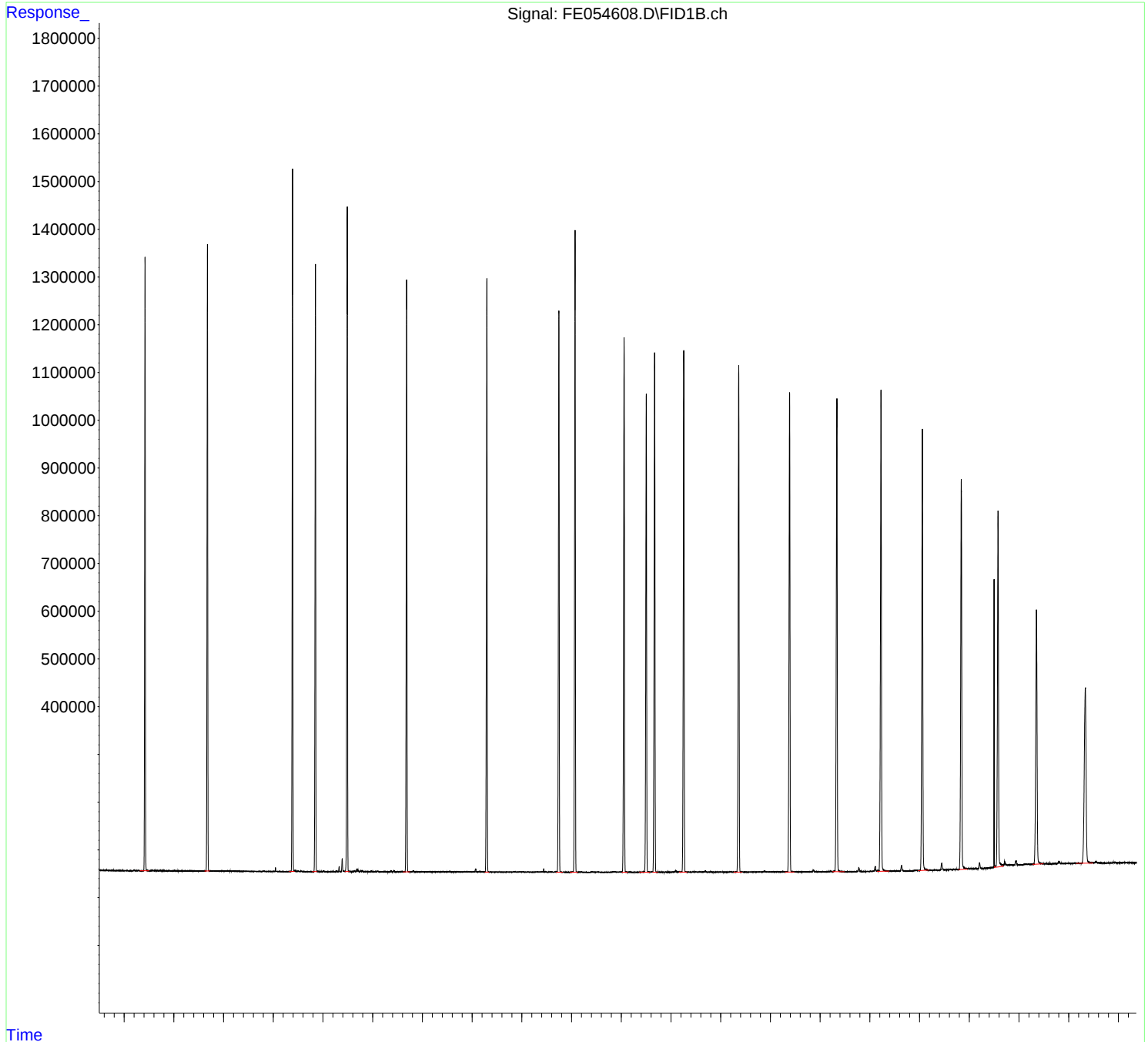
(m)=manual int.

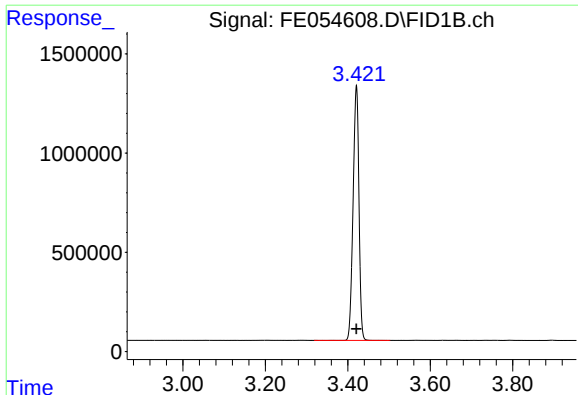
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054608.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 12:53
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jun 27 14:25:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 14:25:10 2025
Response via : Initial Calibration
Integrator: ChemStation

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

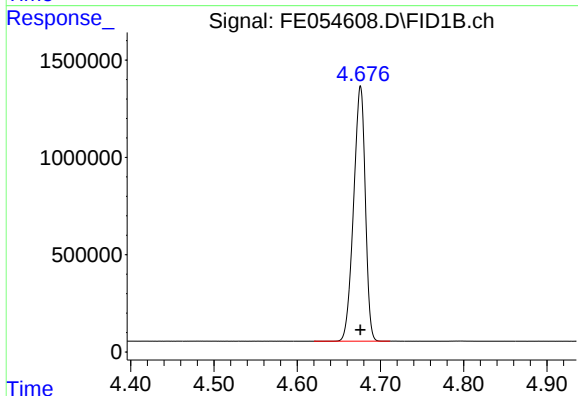




#1 n-Nonane (C9)

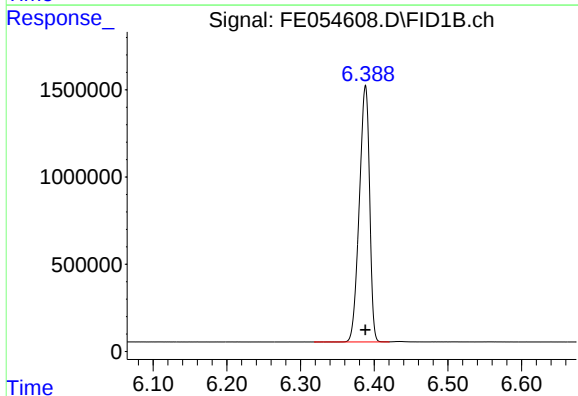
R.T.: 3.421 min
Delta R.T.: 0.000 min
Response: 12635864
Conc: 98.50 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



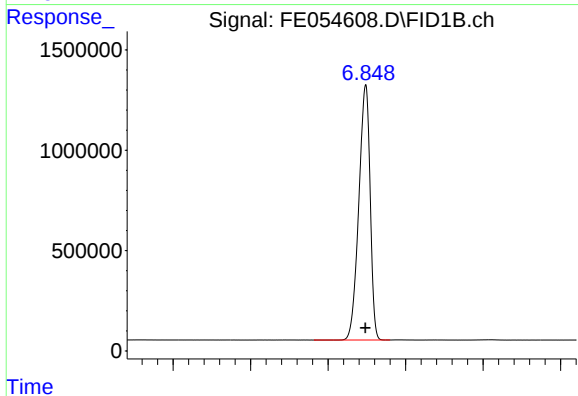
#2 n-Decane (C10)

R.T.: 4.676 min
Delta R.T.: 0.000 min
Response: 12802268
Conc: 98.44 ug/ml



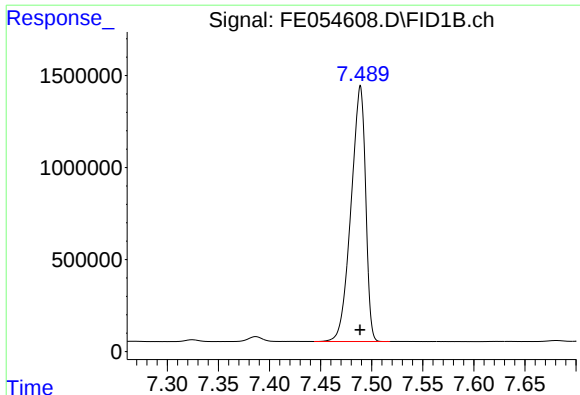
#3 A~Naphthalene (C11.7)

R.T.: 6.388 min
Delta R.T.: 0.000 min
Response: 14212427
Conc: 98.41 ug/ml



#4 n-Dodecane (C12)

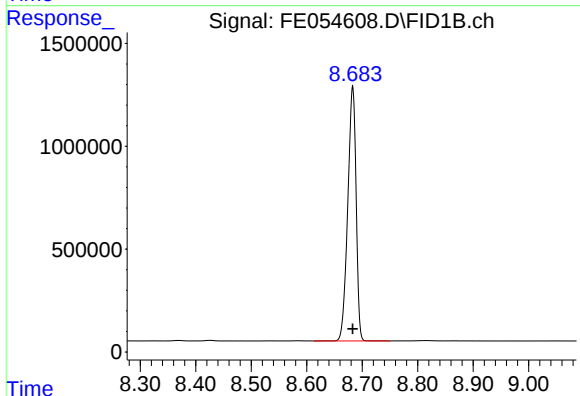
R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 12881494
Conc: 98.44 ug/ml



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

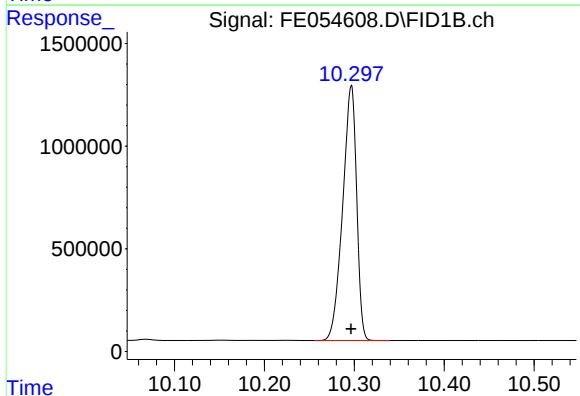
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 13806245
Conc: 98.39 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



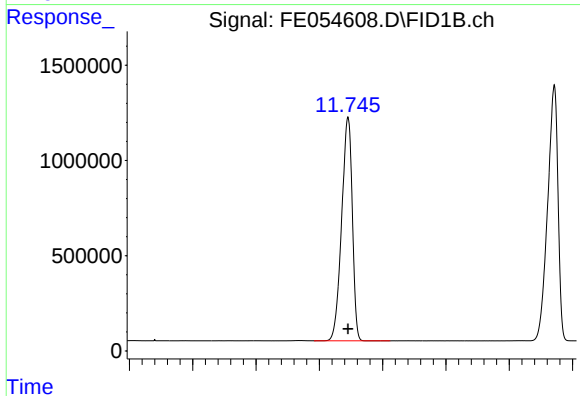
#6 n-Tetradecane (C14)

R.T.: 8.683 min
Delta R.T.: 0.000 min
Response: 12896740
Conc: 98.17 ug/ml



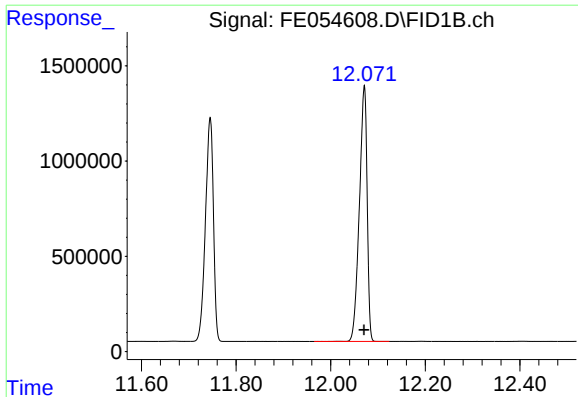
#7 n-Hexadecane (C16)

R.T.: 10.296 min
Delta R.T.: 0.000 min
Response: 13403145
Conc: 98.40 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.745 min
Delta R.T.: 0.000 min
Response: 13738504
Conc: 98.38 ug/ml



#9 ortho-Terphenyl (SURR)

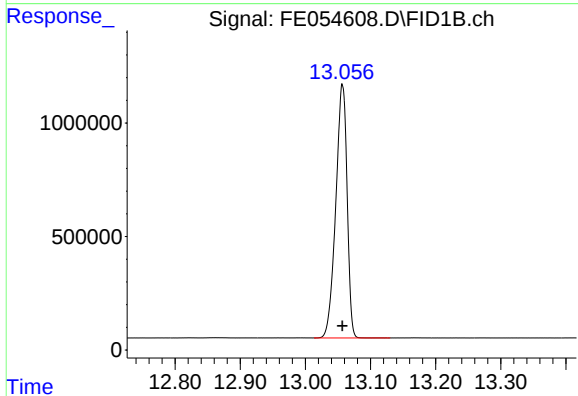
R.T.: 12.071 min
Delta R.T.: 0.000 min
Response: 15261711
Conc: 98.32 ug/ml

Instrument :

FID_E

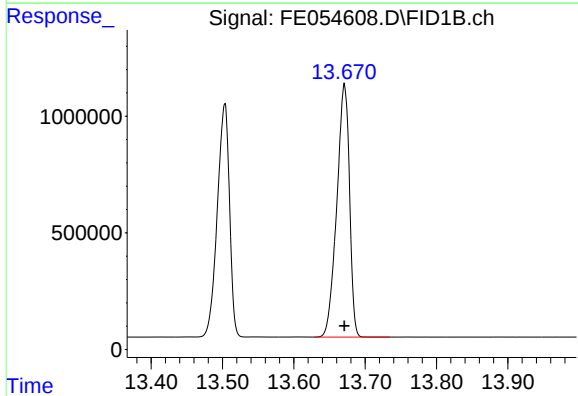
ClientSampleId :

100 PPM ALIPHATIC HC STD1



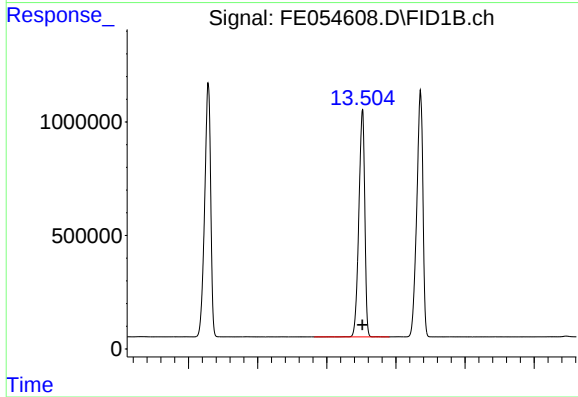
#10 n-Eicosane (C20)

R.T.: 13.057 min
Delta R.T.: 0.000 min
Response: 13489369
Conc: 98.42 ug/ml



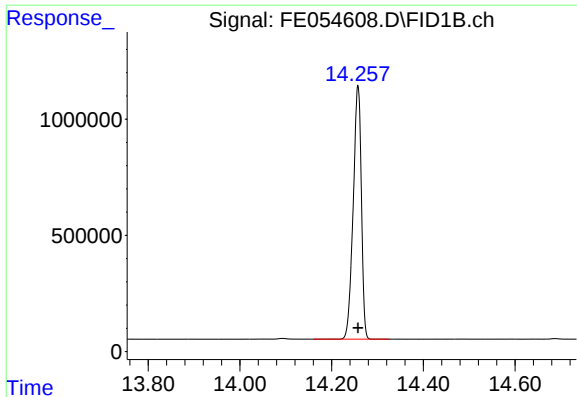
#11 n-Heneicosane (C21)

R.T.: 13.671 min
Delta R.T.: 0.000 min
Response: 13419134
Conc: 98.46 ug/ml



#12 1-chlorooctadecane (SURR)

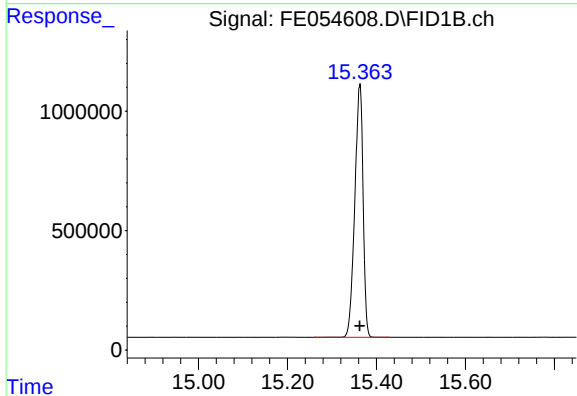
R.T.: 13.503 min
Delta R.T.: 0.000 min
Response: 11912385
Conc: 98.56 ug/ml



#13 n-Docosane (C22)

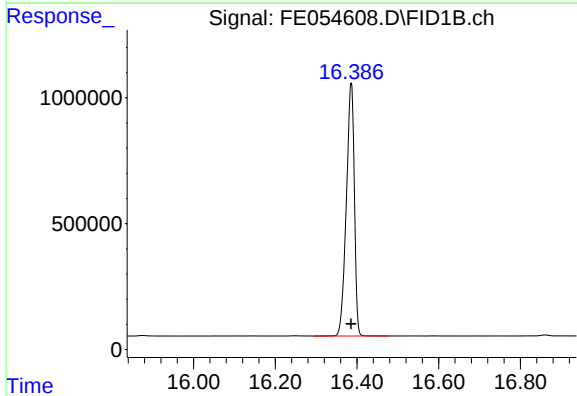
R.T.: 14.257 min
Delta R.T.: 0.000 min
Response: 13479858
Conc: 98.59 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



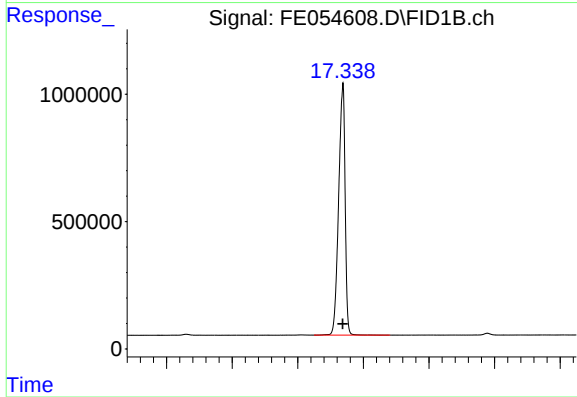
#14 n-Tetracosane (C24)

R.T.: 15.363 min
Delta R.T.: 0.000 min
Response: 13696854
Conc: 98.64 ug/ml



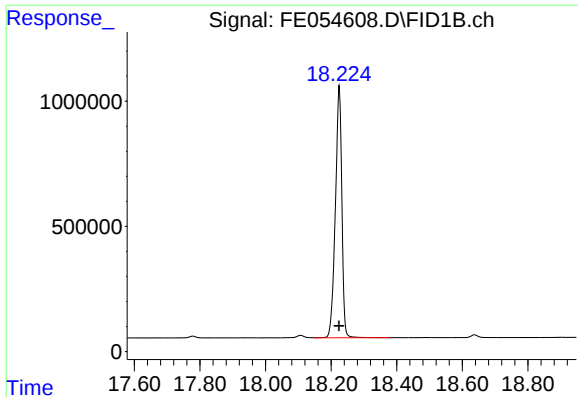
#15 n-Hexacosane (C26)

R.T.: 16.386 min
Delta R.T.: 0.000 min
Response: 13694406
Conc: 98.86 ug/ml



#16 n-Octacosane (C28)

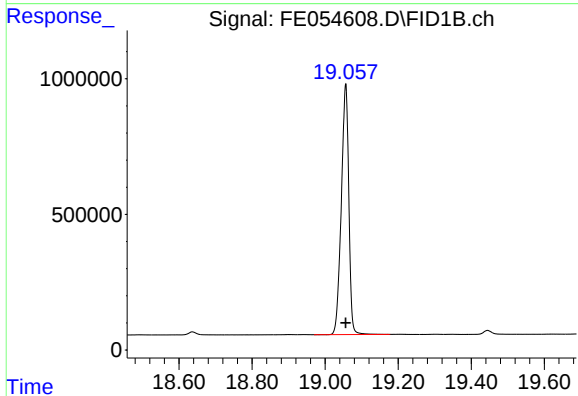
R.T.: 17.337 min
Delta R.T.: 0.000 min
Response: 13551138
Conc: 98.10 ug/ml



#17 n-Tricontane (C30)

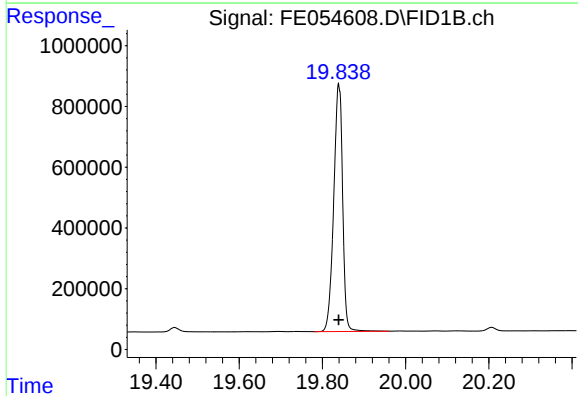
R.T.: 18.224 min
Delta R.T.: 0.000 min
Response: 13754161
Conc: 95.72 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



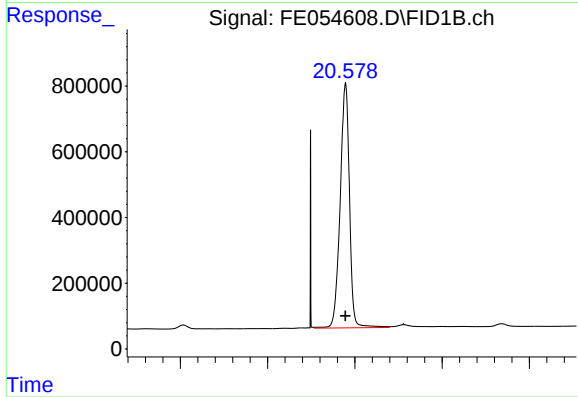
#18 n-Dotriacontane (C32)

R.T.: 19.056 min
Delta R.T.: 0.000 min
Response: 13143119
Conc: 93.13 ug/ml



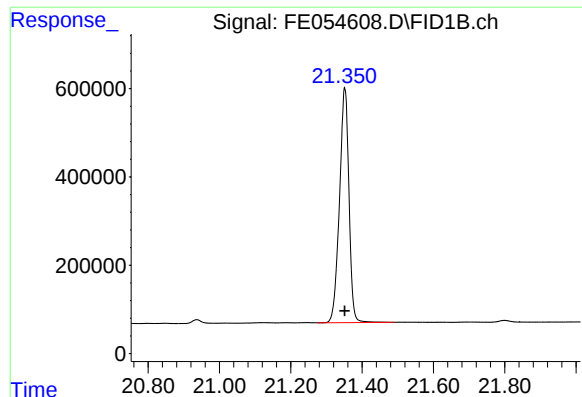
#19 n-Tetratriacontane (C34)

R.T.: 19.839 min
Delta R.T.: 0.000 min
Response: 12141560
Conc: 91.98 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.578 min
Delta R.T.: 0.000 min
Response: 11077409
Conc: 94.49 ug/ml



#21 n-Octatriacontane (C38)

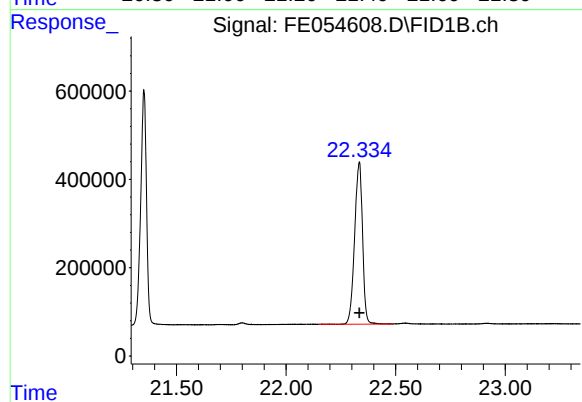
R.T.: 21.352 min
Delta R.T.: 0.000 min
Response: 9810489
Conc: 94.26 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.334 min
Delta R.T.: 0.000 min
Response: 9229400
Conc: 95.21 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054608.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 12:53
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.421	3.319	3.500	BB	1283528	12635864	82.79%	4.449%
2	4.676	4.620	4.710	BV	1312539	12802268	83.88%	4.507%
3	6.388	6.319	6.420	BV	1479361	14212427	93.12%	5.004%
4	6.848	6.782	6.879	BV	1278516	12881494	84.40%	4.535%
5	7.488	7.444	7.517	VV	1394772	13806245	90.46%	4.861%
6	8.683	8.614	8.749	PB	1234943	12896740	84.50%	4.541%
7	10.296	10.255	10.339	PB	1250423	13403145	87.82%	4.719%
8	11.745	11.692	11.810	VB	1176747	13738504	90.02%	4.837%
9	12.071	11.965	12.124	BB	1336962	15261711	100.00%	5.373%
10	13.057	13.014	13.129	PB	1115976	13489369	88.39%	4.749%
11	13.503	13.364	13.580	BV	997573	11912385	78.05%	4.194%
12	13.671	13.629	13.734	VB	1084496	13419134	87.93%	4.724%
13	14.257	14.162	14.325	BB	1093867	13479858	88.32%	4.746%
14	15.363	15.260	15.429	BB	1054542	13696854	89.75%	4.822%
15	16.386	16.295	16.479	BB	1005481	13694406	89.73%	4.821%
16	17.337	17.250	17.479	BB	985681	13551138	88.79%	4.771%
17	18.224	18.149	18.377	VB	1004571	13754161	90.12%	4.842%
18	19.056	18.970	19.175	BV	923456	13143119	86.12%	4.627%
19	19.839	19.780	19.960	BV	814419	12141560	79.56%	4.275%
20	20.578	20.507	20.679	VV	746760	11077409	72.58%	3.900%
21	21.352	21.277	21.487	BV	529504	9810489	64.28%	3.454%
22	22.334	22.147	22.489	BV	367080	9229400	60.47%	3.249%
Sum of corrected areas:						284037678		

Aliphatic EPH 062725.M Sat Jun 28 02:13:46 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054609.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 13:23
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/30/2025
 Supervised By :mohammad ahmed 06/30/2025

Integration File: autoint1.e
 Quant Time: Jun 27 14:26:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 Qlast Update : Fri Jun 27 14:26:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.065	7472405	48.742 ug/ml
Spiked Amount 50.000		Recovery =	97.48%
12) S 1-chlorooctadecane (S...	13.499	5810376	48.698 ug/ml
Spiked Amount 50.000		Recovery =	97.40%
Target Compounds			
1) T n-Nonane (C9)	3.418	6226788	49.017 ug/ml
2) T n-Decane (C10)	4.673	6290394	48.900 ug/ml
3) T A~Naphthalene (C11.7)	6.384	6971284	48.835 ug/ml
4) T n-Dodecane (C12)	6.845	6324077	48.874 ug/ml
5) T A~2-methylnaphthalene...	7.484	6781515	48.874 ug/ml
6) T n-Tetradecane (C14)	8.679	6340887	48.831 ug/ml
7) T n-Hexadecane (C16)	10.292	6564847	48.783 ug/ml
8) T n-Octadecane (C18)	11.741	6726768	48.766 ug/ml
10) T n-Eicosane (C20)	13.053	6597648	48.742 ug/ml
11) T n-Heneicosane (C21)	13.666	6559873	48.739 ug/ml
13) T n-Docosane (C22)	14.254	6582801	48.749 ug/ml
14) T n-Tetracosane (C24)	15.358	6691637	48.779 ug/ml
15) T n-Hexacosane (C26)	16.381	6698709	48.895 ug/ml
16) T n-Octacosane (C28)	17.331	6687667	48.933 ug/ml
17) T n-Tricontane (C30)	18.220	7024431	49.250 ug/ml
18) T n-Dotriacontane (C32)	19.053	7061554	50.024 ug/ml
19) T n-Tetratriacontane (C34)	19.836	6627704	50.139 ug/ml
20) T n-Hexatriacontane (C36)	20.576	5878224	50.095 ug/ml
21) T n-Octatriacontane (C38)	21.348	5181070	49.853 ug/ml
22) T n-Tetracontane (C40)	22.327	4833466	49.907 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054609.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 13:23
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 7 Sample Multiplier: 1

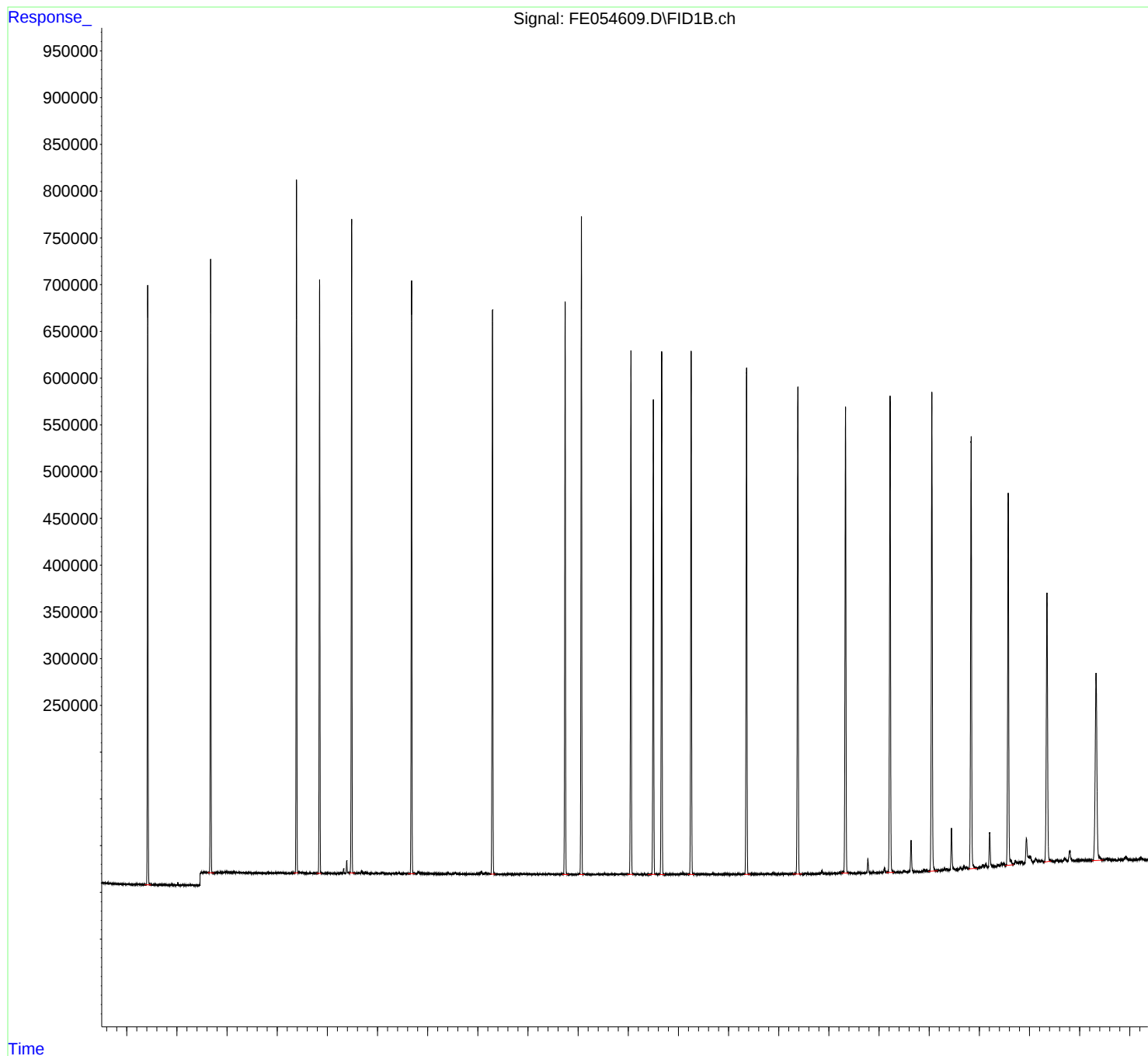
Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

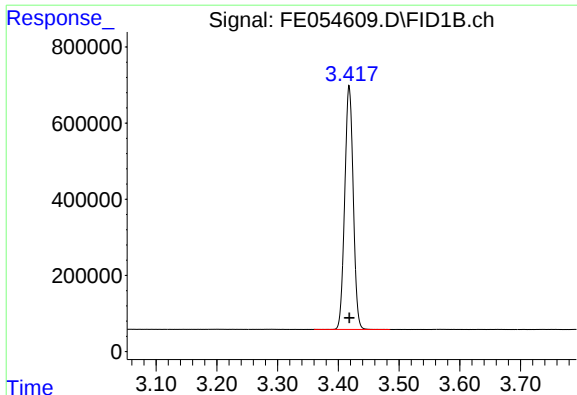
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025

Integration File: autoint1.e
Quant Time: Jun 27 14:26:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 14:26:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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





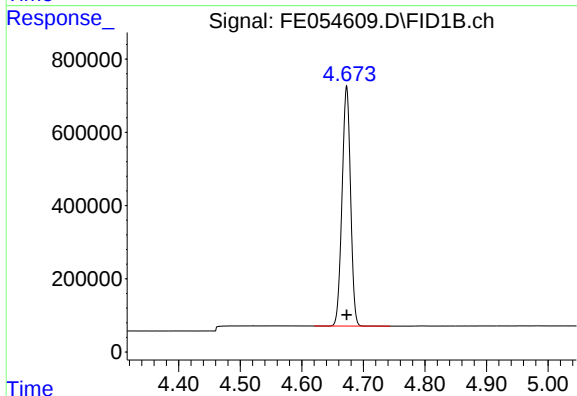
#1 n-Nonane (C9)

R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 6226788
Conc: 49.02 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

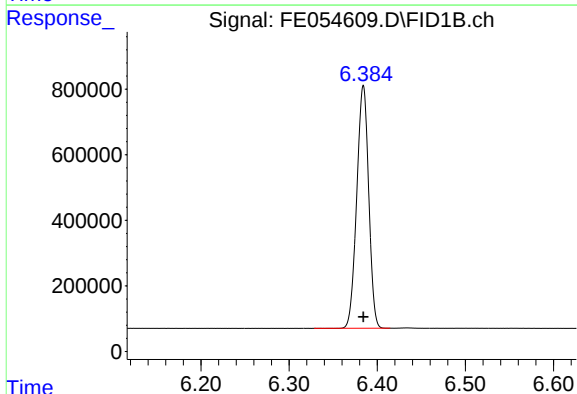
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025



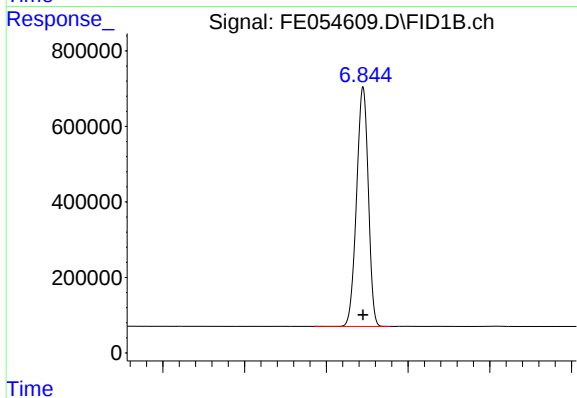
#2 n-Decane (C10)

R.T.: 4.673 min
Delta R.T.: 0.000 min
Response: 6290394
Conc: 48.90 ug/ml



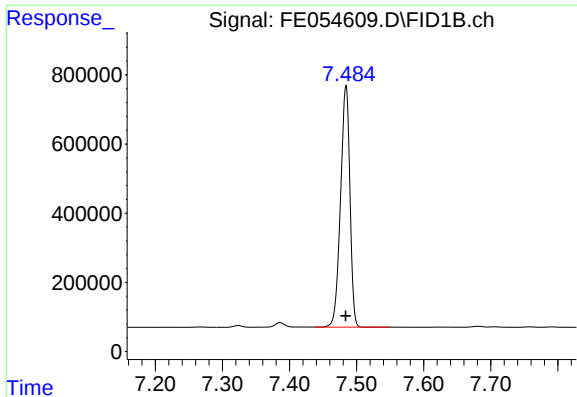
#3 A~Naphthalene (C11.7)

R.T.: 6.384 min
Delta R.T.: 0.000 min
Response: 6971284
Conc: 48.83 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.845 min
Delta R.T.: 0.000 min
Response: 6324077
Conc: 48.87 ug/ml



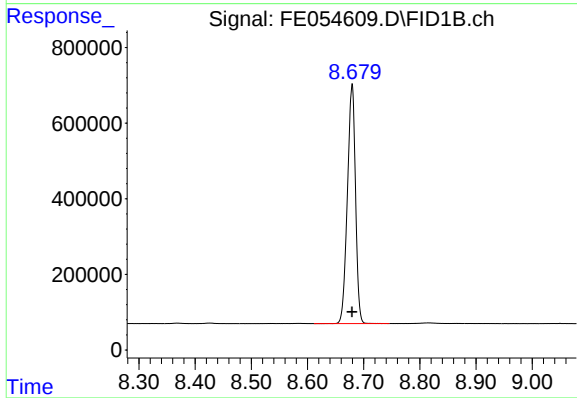
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.484 min
Delta R.T.: 0.000 min
Response: 6781515
Conc: 48.87 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

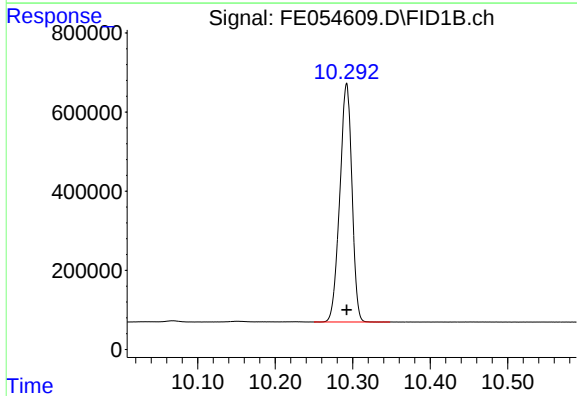
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025



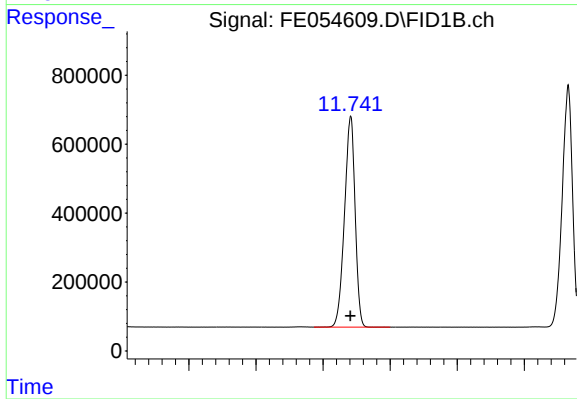
#6 n-Tetradecane (C14)

R.T.: 8.679 min
Delta R.T.: 0.000 min
Response: 6340887
Conc: 48.83 ug/ml



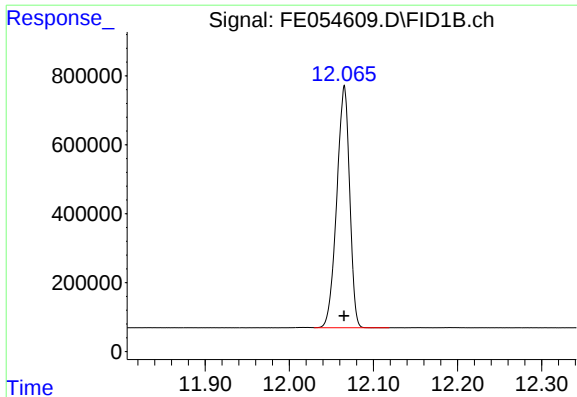
#7 n-Hexadecane (C16)

R.T.: 10.292 min
Delta R.T.: 0.000 min
Response: 6564847
Conc: 48.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.741 min
Delta R.T.: 0.000 min
Response: 6726768
Conc: 48.77 ug/ml



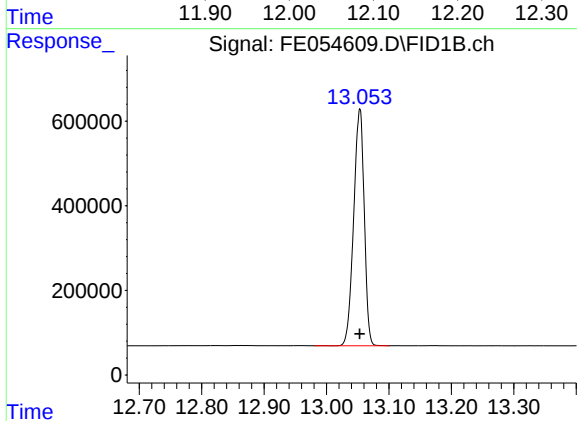
#9 ortho-Terphenyl (SURR)

R.T.: 12.065 min
Delta R.T.: 0.000 min
Response: 7472405
Conc: 48.74 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

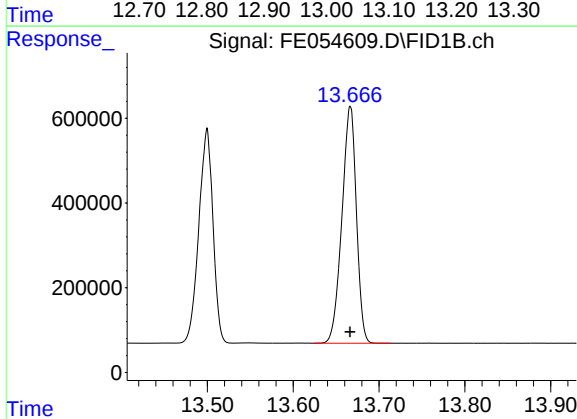
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025



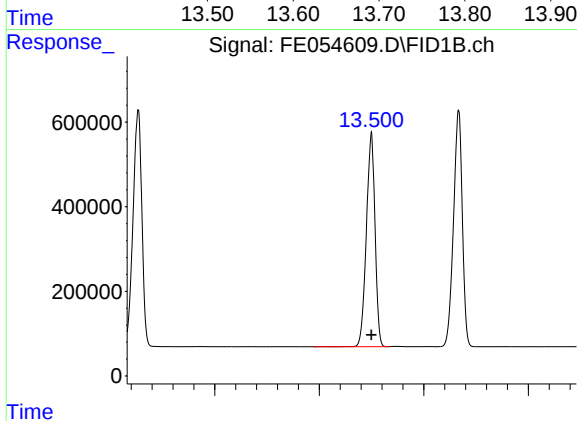
#10 n-Eicosane (C20)

R.T.: 13.053 min
Delta R.T.: 0.000 min
Response: 6597648
Conc: 48.74 ug/ml



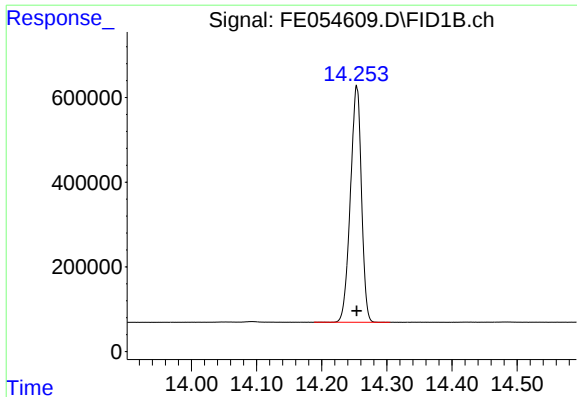
#11 n-Heneicosane (C21)

R.T.: 13.666 min
Delta R.T.: 0.000 min
Response: 6559873
Conc: 48.74 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.499 min
Delta R.T.: 0.000 min
Response: 5810376
Conc: 48.70 ug/ml



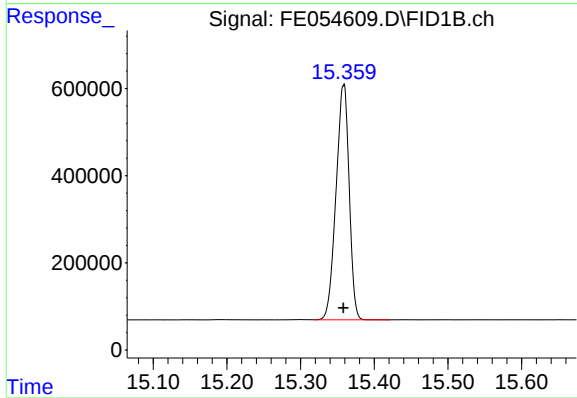
#13 n-Docosane (C22)

R.T.: 14.254 min
Delta R.T.: 0.000 min
Response: 6582801
Conc: 48.75 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

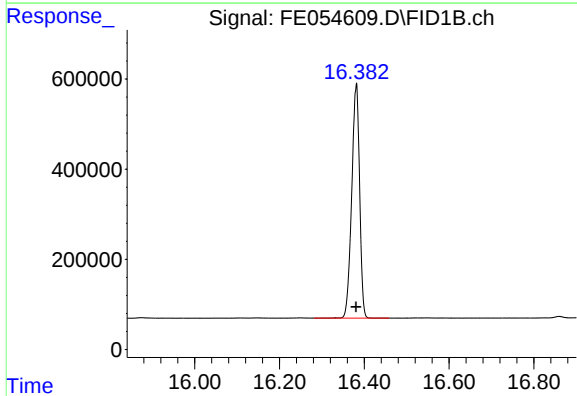
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025



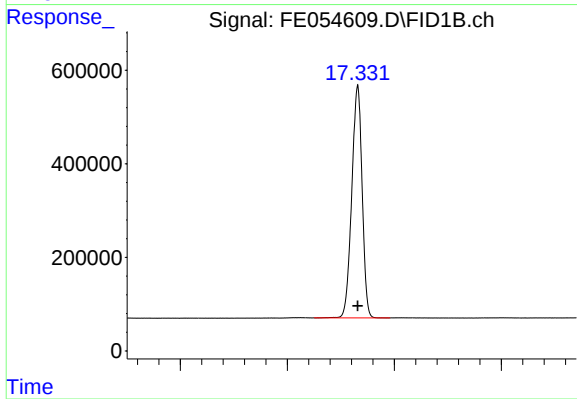
#14 n-Tetracosane (C24)

R.T.: 15.358 min
Delta R.T.: 0.000 min
Response: 6691637
Conc: 48.78 ug/ml



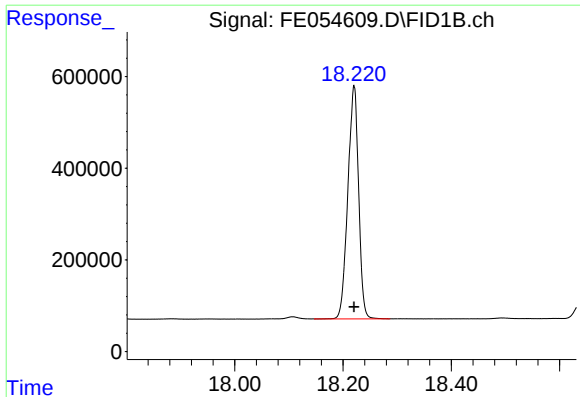
#15 n-Hexacosane (C26)

R.T.: 16.381 min
Delta R.T.: 0.000 min
Response: 6698709
Conc: 48.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.331 min
Delta R.T.: 0.000 min
Response: 6687667
Conc: 48.93 ug/ml



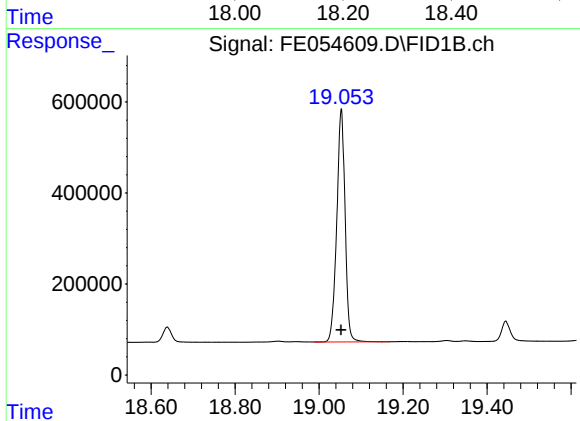
#17 n-Tricontane (C30)

R.T.: 18.220 min
Delta R.T.: 0.000 min
Response: 7024431
Conc: 49.25 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

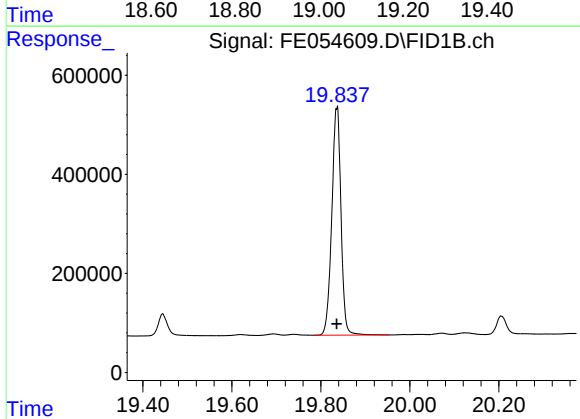
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025



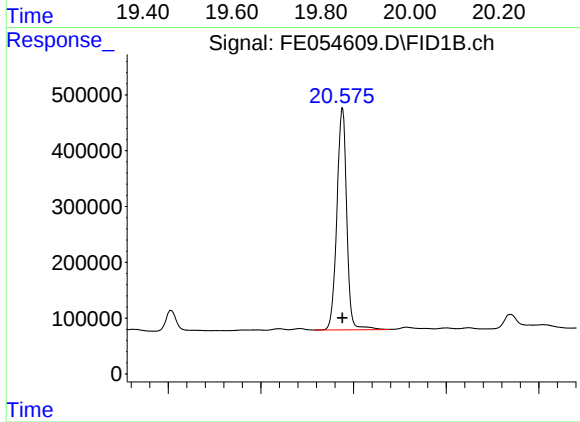
#18 n-Dotriacontane (C32)

R.T.: 19.053 min
Delta R.T.: 0.000 min
Response: 7061554
Conc: 50.02 ug/ml



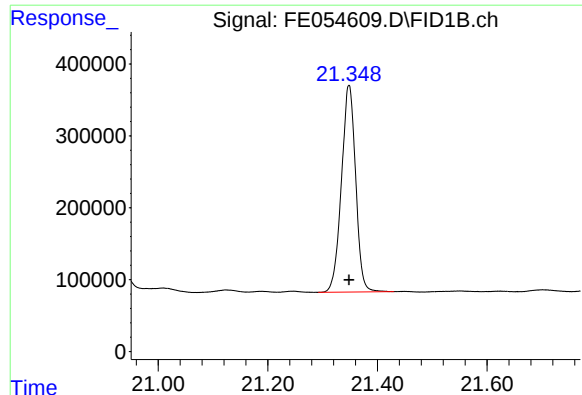
#19 n-Tetratriacontane (C34)

R.T.: 19.836 min
Delta R.T.: 0.000 min
Response: 6627704
Conc: 50.14 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.576 min
Delta R.T.: 0.000 min
Response: 5878224
Conc: 50.09 ug/ml



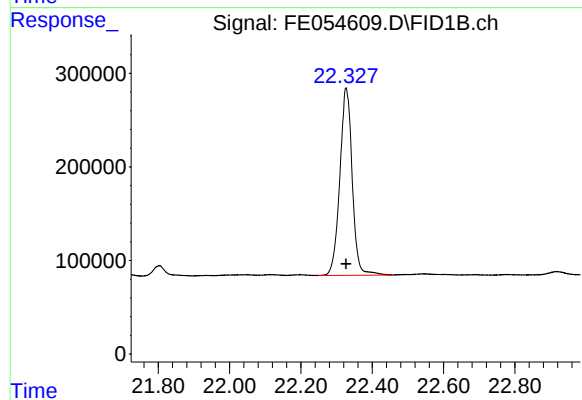
#21 n-Octatriacontane (C38)

R.T.: 21.348 min
Delta R.T.: 0.000 min
Response: 5181070
Conc: 49.85 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025



#22 n-Tetracontane (C40)

R.T.: 22.327 min
Delta R.T.: 0.000 min
Response: 4833466
Conc: 49.91 ug/ml

rteres

Instrument :
FID_E
LabSampleId :
50 PPM ALIPHATIC HC STD2
Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE06272
Data File : FE054609.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 13:23
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.418	3.360	3.484	BB	636637	6226788	83.33%	4.387%
2	4.673	4.620	4.742	BB	656352	6290394	84.18%	4.432%
3	6.384	6.329	6.414	BV	740919	6971284	93.29%	4.912%
4	6.845	6.785	6.877	BV	635637	6324077	84.63%	4.456%
5	7.484	7.437	7.549	BB	696784	6781515	90.75%	4.778%
6	8.679	8.612	8.745	BB	627912	6340887	84.86%	4.467%
7	10.292	10.250	10.347	BB	602896	6564847	87.85%	4.625%
8	11.741	11.687	11.799	VB	609597	6726768	90.02%	4.739%
9	12.065	12.030	12.119	VB	704192	7472405	100.00%	5.265%
10	13.053	12.980	13.100	BB	562485	6597648	88.29%	4.648%
11	13.499	13.390	13.534	BV	501995	5810376	77.76%	4.094%
12	13.666	13.625	13.712	PB	560211	6559873	87.79%	4.622%
13	14.254	14.189	14.304	BB	559020	6582801	88.09%	4.638%
14	15.358	15.319	15.420	VB	539298	6691637	89.55%	4.715%
15	16.381	16.282	16.459	BB	513585	6698709	89.65%	4.720%
16	17.331	17.250	17.390	BV	499581	6687667	89.50%	4.712%
17	18.220	18.147	18.285	VB	509924	7024431	94.00%	4.949%
18	19.053	18.989	19.167	BB	510669	7061554	94.50%	4.975%
19	19.836	19.785	19.954	VV	457918	6627704	88.70%	4.670%
20	20.576	20.515	20.677	VV	398656	5878224	78.67%	4.142%
21	21.348	21.292	21.429	PV	287822	5181070	69.34%	3.650%
22	22.327	22.249	22.459	BV	200256	4833466	64.68%	3.405%
Sum of corrected areas:						141934123		

Aliphatic EPH 062725.M Sat Jun 28 02:15:27 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054610.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 13:53
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Jun 27 14:22:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 14:22:06 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)	12.062	3156943	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.497	2452207	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.417	2604070	20.000 ug/ml
2) T n-Decane (C10)	4.672	2641707	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.383	2934117	20.000 ug/ml
4) T n-Dodecane (C12)	6.844	2657748	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.482	2851436	20.000 ug/ml
6) T n-Tetradecane (C14)	8.677	2675509	20.000 ug/ml
7) T n-Hexadecane (C16)	10.290	2767706	20.000 ug/ml
8) T n-Octadecane (C18)	11.737	2838043	20.000 ug/ml
10) T n-Eicosane (C20)	13.050	2784649	20.000 ug/ml
11) T n-Heneicosane (C21)	13.664	2767798	20.000 ug/ml
13) T n-Docosane (C22)	14.251	2773055	20.000 ug/ml
14) T n-Tetracosane (C24)	15.356	2814871	20.000 ug/ml
15) T n-Hexacosane (C26)	16.378	2801775	20.000 ug/ml
16) T n-Octacosane (C28)	17.329	2814947	20.000 ug/ml
17) T n-Tricontane (C30)	18.217	2997062	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.050	3016622	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.834	2851871	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.572	2473790	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.345	2201144	20.000 ug/ml
22) T n-Tetracontane (C40)	22.321	2031713	20.000 ug/ml

(f)=RT Delta > 1/2 Window

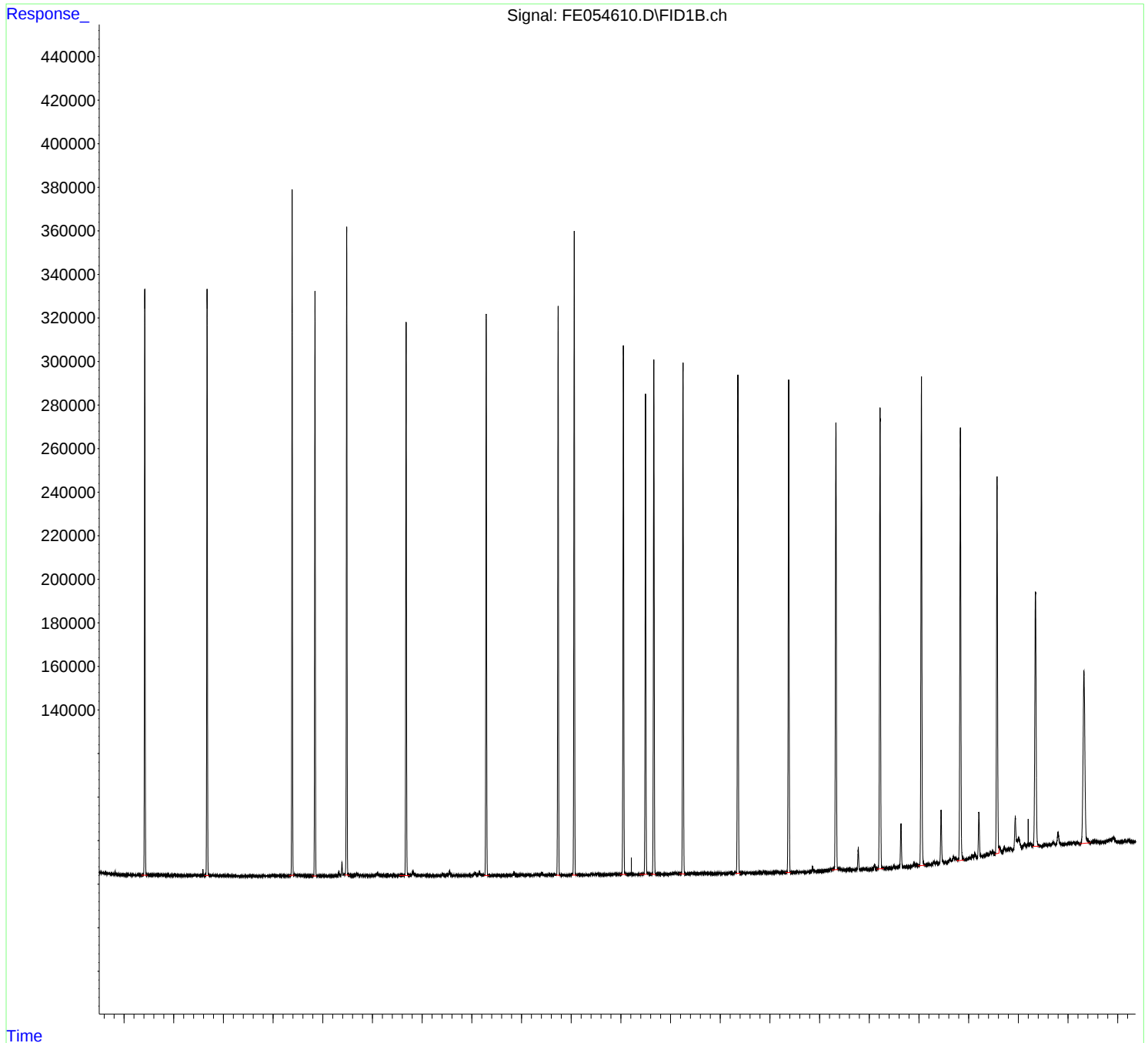
(m)=manual int.

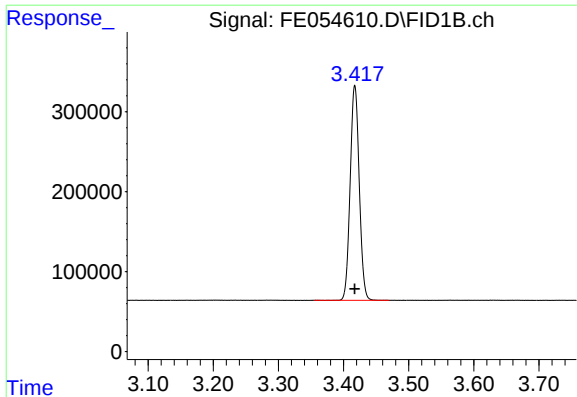
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054610.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 13:53
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jun 27 14:22:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 14:22:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

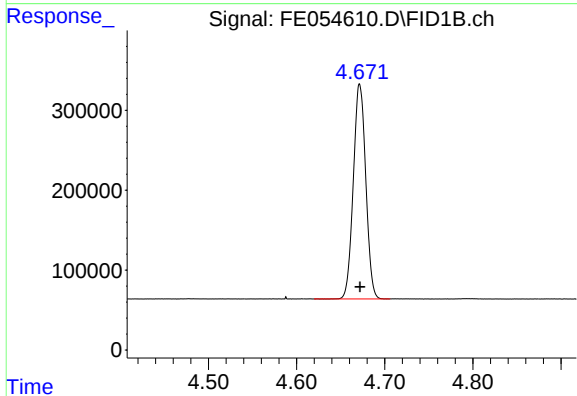




#1 n-Nonane (C9)

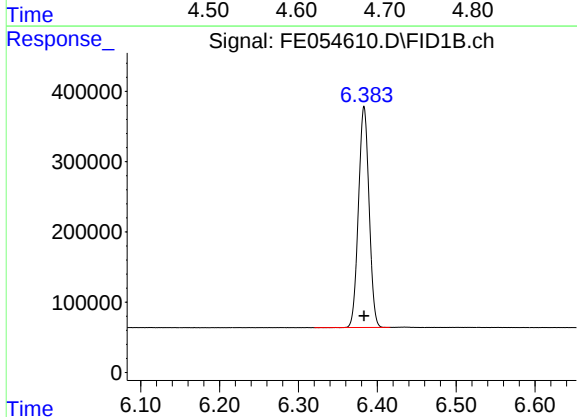
R.T.: 3.417 min
Delta R.T.: 0.000 min
Response: 2604070
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



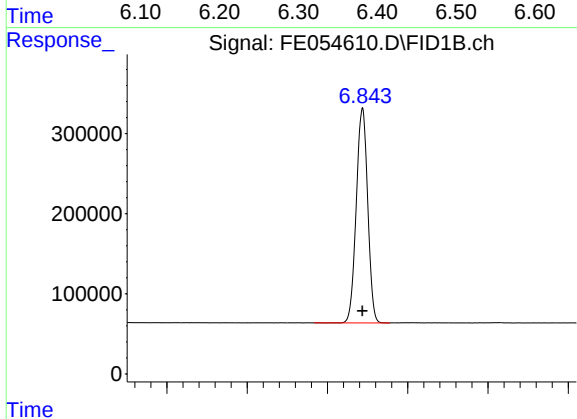
#2 n-Decane (C10)

R.T.: 4.672 min
Delta R.T.: 0.000 min
Response: 2641707
Conc: 20.00 ug/ml



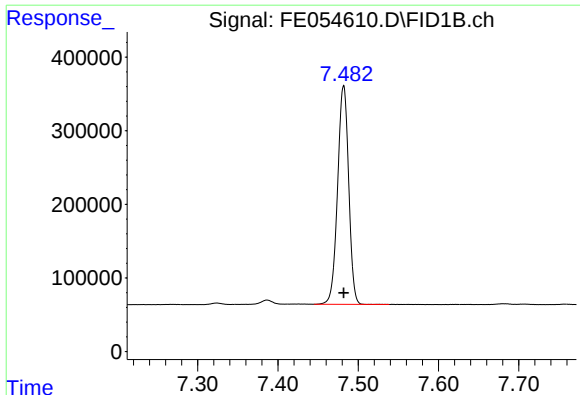
#3 A~Naphthalene (C11.7)

R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 2934117
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

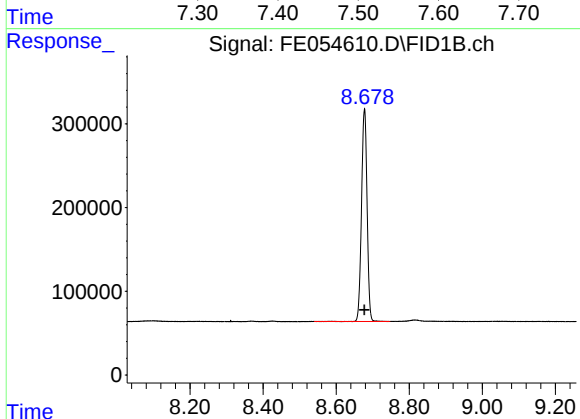
R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 2657748
Conc: 20.00 ug/ml



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

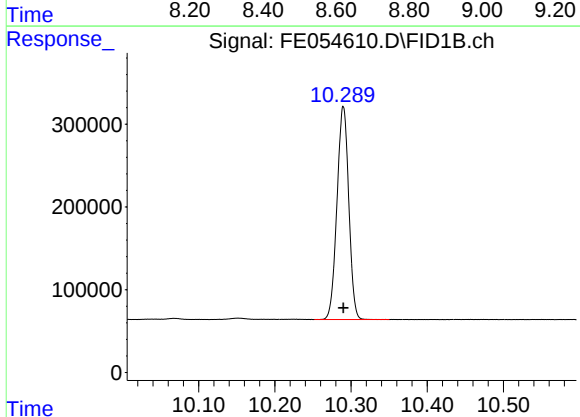
R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 2851436
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



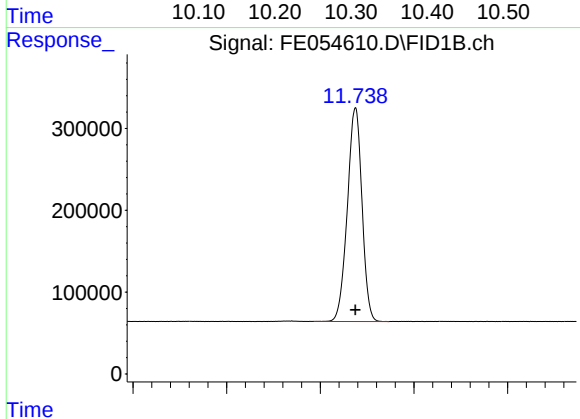
#6 n-Tetradecane (C14)

R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 2675509
Conc: 20.00 ug/ml



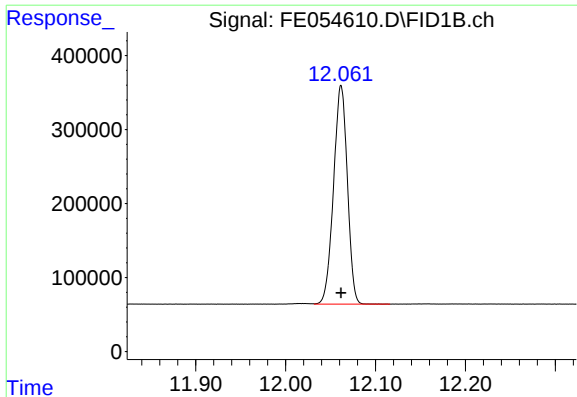
#7 n-Hexadecane (C16)

R.T.: 10.290 min
Delta R.T.: 0.000 min
Response: 2767706
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

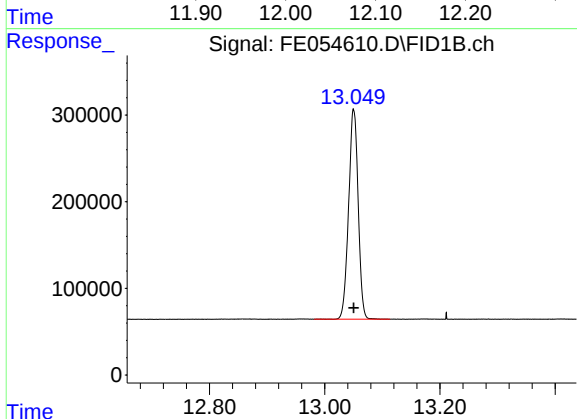
R.T.: 11.737 min
Delta R.T.: 0.000 min
Response: 2838043
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

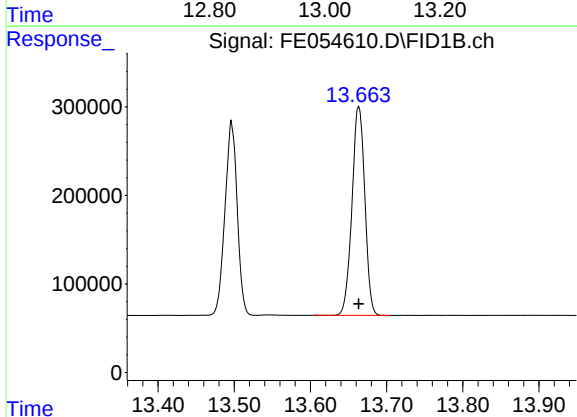
R.T.: 12.062 min
Delta R.T.: 0.000 min
Response: 3156943
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



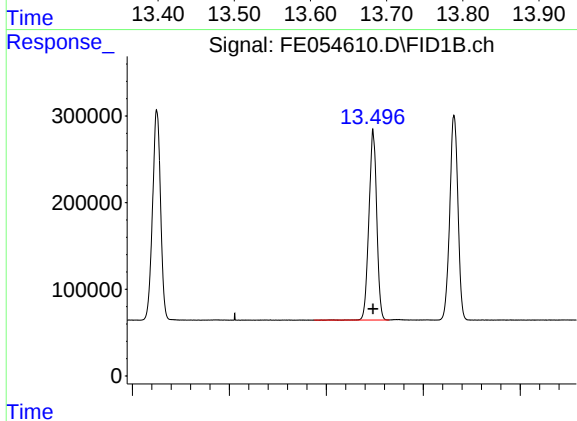
#10 n-Eicosane (C20)

R.T.: 13.050 min
Delta R.T.: 0.000 min
Response: 2784649
Conc: 20.00 ug/ml



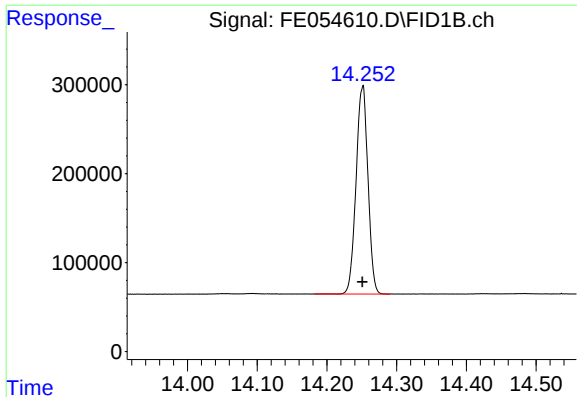
#11 n-Heneicosane (C21)

R.T.: 13.664 min
Delta R.T.: 0.000 min
Response: 2767798
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

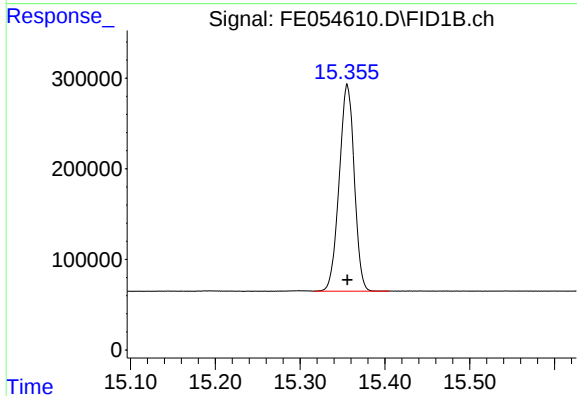
R.T.: 13.497 min
Delta R.T.: 0.000 min
Response: 2452207
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

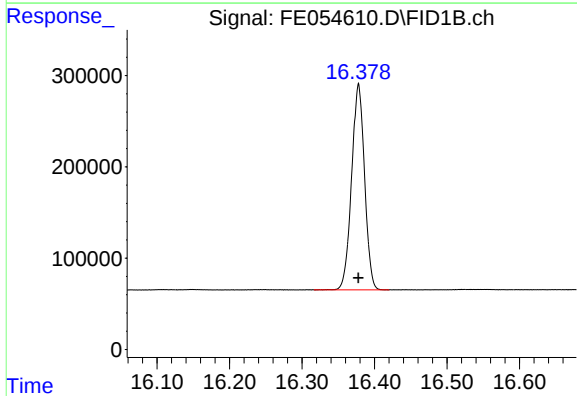
R.T.: 14.251 min
Delta R.T.: 0.000 min
Response: 2773055
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



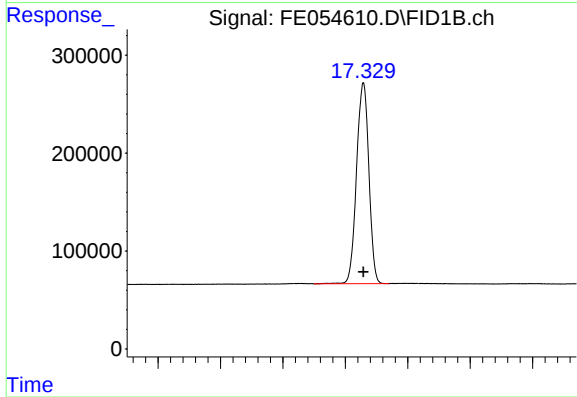
#14 n-Tetracosane (C24)

R.T.: 15.356 min
Delta R.T.: 0.000 min
Response: 2814871
Conc: 20.00 ug/ml



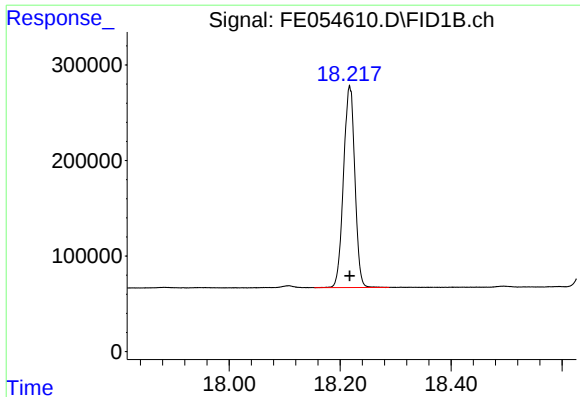
#15 n-Hexacosane (C26)

R.T.: 16.378 min
Delta R.T.: 0.000 min
Response: 2801775
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

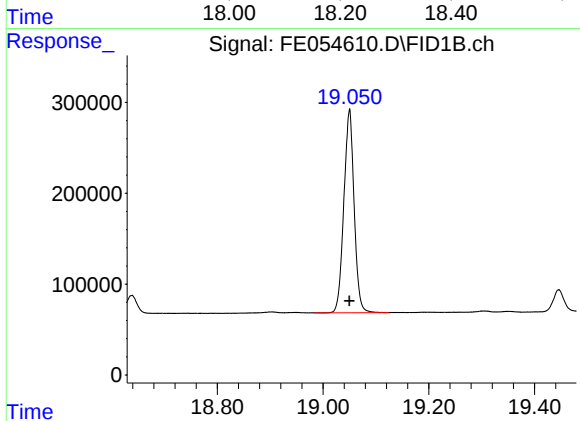
R.T.: 17.329 min
Delta R.T.: 0.000 min
Response: 2814947
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

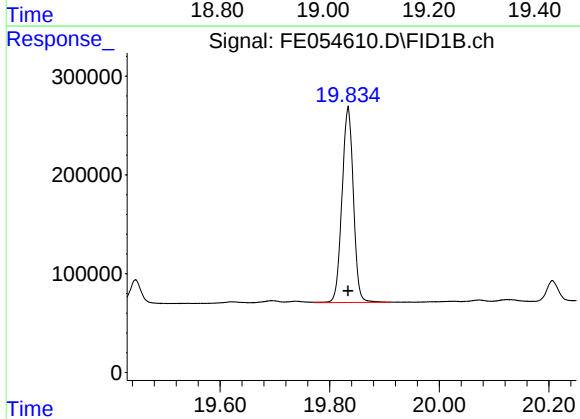
R.T.: 18.217 min
Delta R.T.: 0.000 min
Response: 2997062
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



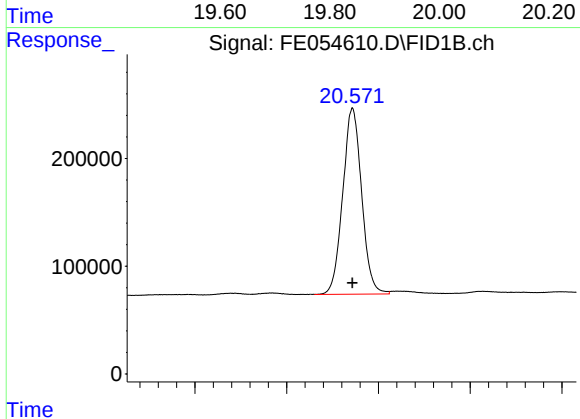
#18 n-Dotriacontane (C32)

R.T.: 19.050 min
Delta R.T.: 0.000 min
Response: 3016622
Conc: 20.00 ug/ml



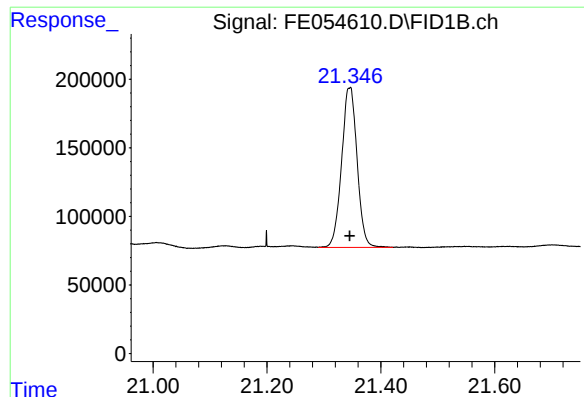
#19 n-Tetratriacontane (C34)

R.T.: 19.834 min
Delta R.T.: 0.000 min
Response: 2851871
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

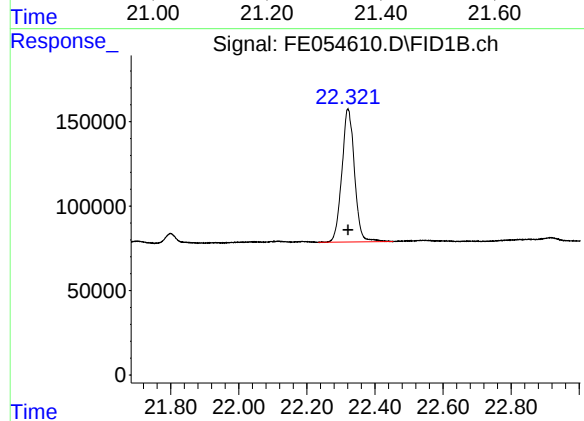
R.T.: 20.572 min
Delta R.T.: 0.000 min
Response: 2473790
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.345 min
Delta R.T.: 0.000 min
Response: 2201144
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.321 min
Delta R.T.: 0.000 min
Response: 2031713
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054610.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 13:53
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.355	3.470	BB	269063	2604070	82.49%	4.347%
2	4.672	4.620	4.705	BB	268277	2641707	83.68%	4.410%
3	6.383	6.320	6.415	BV	314891	2934117	92.94%	4.898%
4	6.844	6.783	6.877	BV	268290	2657748	84.19%	4.436%
5	7.482	7.445	7.538	BB	297241	2851436	90.32%	4.760%
6	8.677	8.540	8.745	BB	253033	2675509	84.75%	4.466%
7	10.290	10.252	10.350	BB	257624	2767706	87.67%	4.620%
8	11.737	11.693	11.773	BB	260719	2838043	89.90%	4.737%
9	12.062	12.032	12.115	VB	295794	3156943	100.00%	5.270%
10	13.050	12.982	13.112	BB	242032	2784649	88.21%	4.648%
11	13.497	13.375	13.530	BV	216935	2452207	77.68%	4.093%
12	13.664	13.605	13.703	BB	235623	2767798	87.67%	4.620%
13	14.251	14.182	14.289	BB	232009	2773055	87.84%	4.629%
14	15.356	15.317	15.405	VB	228102	2814871	89.16%	4.699%
15	16.378	16.317	16.420	BB	225943	2801775	88.75%	4.677%
16	17.329	17.250	17.370	BV	205609	2814947	89.17%	4.699%
17	18.217	18.153	18.288	BB	210880	2997062	94.94%	5.003%
18	19.050	18.983	19.125	BB	224239	3016622	95.56%	5.035%
19	19.834	19.772	19.908	VB	197877	2851871	90.34%	4.760%
20	20.572	20.530	20.612	BV	172986	2473790	78.36%	4.129%
21	21.345	21.290	21.422	VV	116171	2201144	69.72%	3.674%
22	22.321	22.233	22.453	BV	78611	2031713	64.36%	3.391%
Sum of corrected areas:							59908781	

Aliphatic EPH 062725.M Sat Jun 28 02:16:17 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054611.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 14:23
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Jun 27 14:51:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 14:51:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.061	1724999	10.911 ug/ml
Spiked Amount 50.000		Recovery =	21.82%
12) S 1-chlorooctadecane (S...	13.496	1337321	10.880 ug/ml
Spiked Amount 50.000		Recovery =	21.76%
Target Compounds			
1) T n-Nonane (C9)	3.418	1430994	10.920 ug/ml
2) T n-Decane (C10)	4.672	1453045	10.941 ug/ml
3) T A~Naphthalene (C11.7)	6.383	1612580	10.942 ug/ml
4) T n-Dodecane (C12)	6.843	1461644	10.942 ug/ml
5) T A~2-methylnaphthalene...	7.481	1563539	10.922 ug/ml
6) T n-Tetradecane (C14)	8.677	1478055	11.002 ug/ml
7) T n-Hexadecane (C16)	10.289	1515105	10.915 ug/ml
8) T n-Octadecane (C18)	11.737	1554612	10.923 ug/ml
10) T n-Eicosane (C20)	13.049	1530215	10.948 ug/ml
11) T n-Heneicosane (C21)	13.663	1519506	10.937 ug/ml
13) T n-Docosane (C22)	14.251	1512806	10.876 ug/ml
14) T n-Tetracosane (C24)	15.354	1537308	10.878 ug/ml
15) T n-Hexacosane (C26)	16.377	1534827	10.876 ug/ml
16) T n-Octacosane (C28)	17.327	1542456	10.934 ug/ml
17) T n-Tricontane (C30)	18.215	1692830	11.339 ug/ml
18) T n-Dotriacontane (C32)	19.048	1774595	11.812 ug/ml
19) T n-Tetratriacontane (C34)	19.833	1678325	11.895 ug/ml
20) T n-Hexatriacontane (C36)	20.572	1485639	11.871 ug/ml
21) T n-Octatriacontane (C38)	21.343	1300115	11.771 ug/ml
22) T n-Tetracontane (C40)	22.322	1194943	11.657 ug/ml

(f)=RT Delta > 1/2 Window

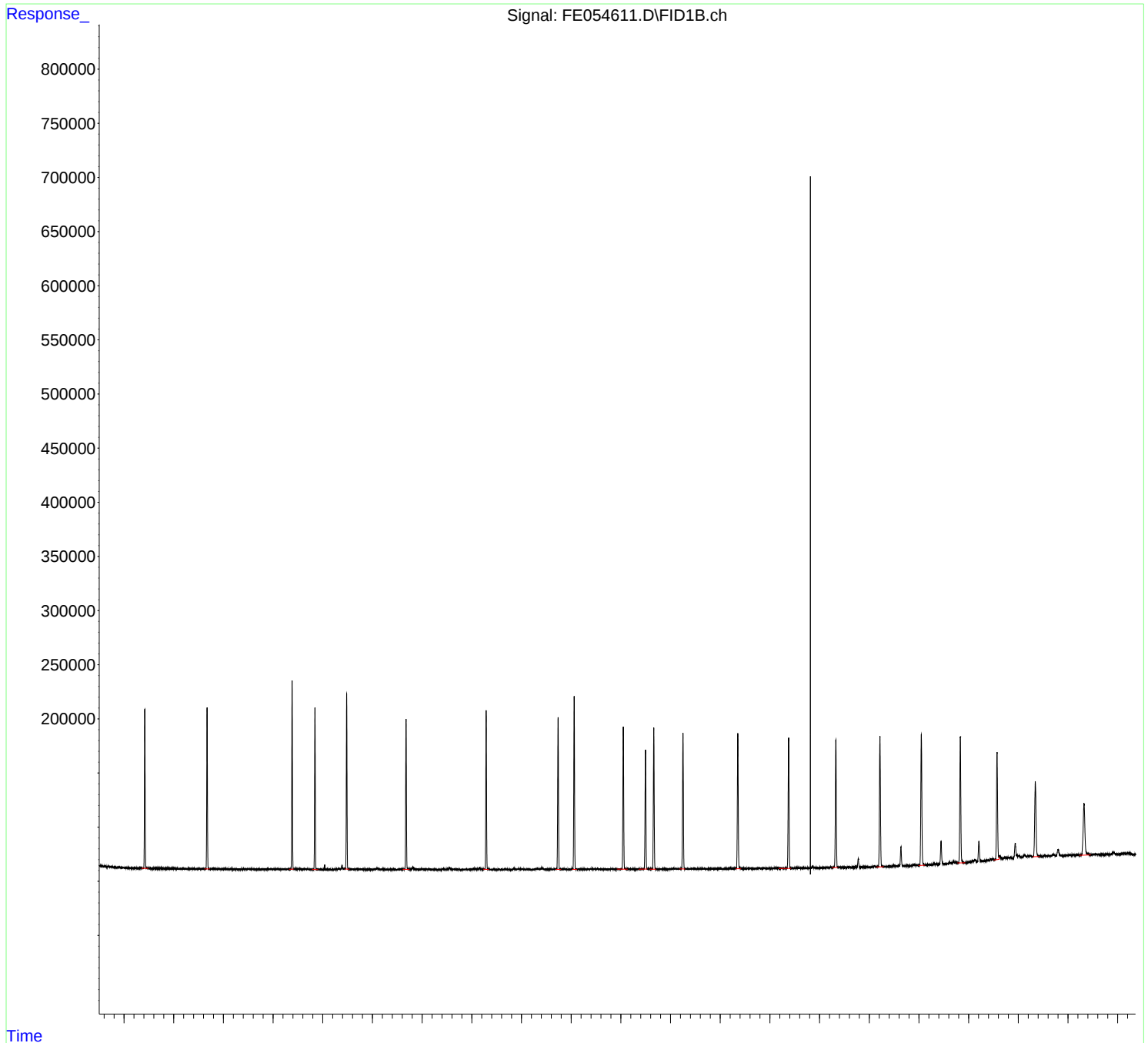
(m)=manual int.

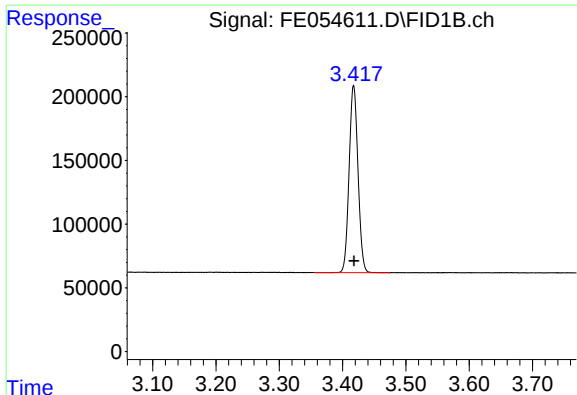
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054611.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 14:23
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jun 27 14:51:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 14:51:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

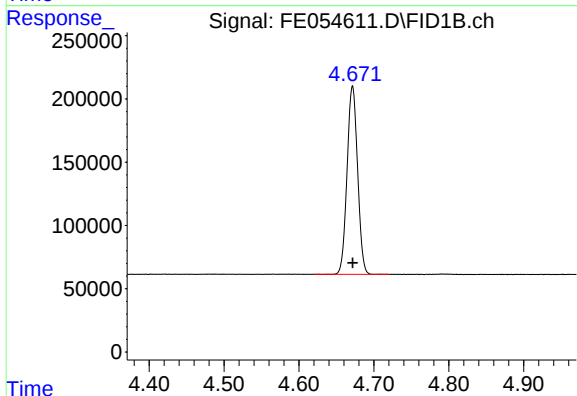




#1 n-Nonane (C9)

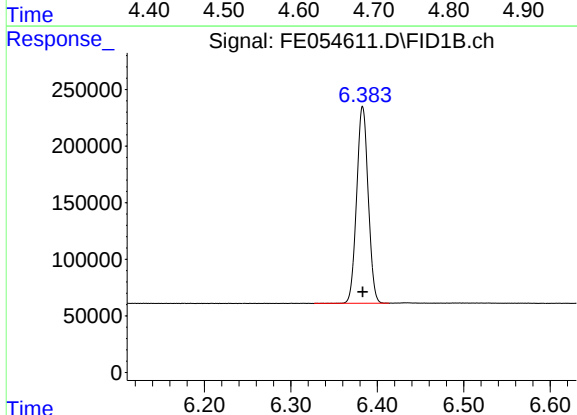
R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 1430994
Conc: 10.92 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



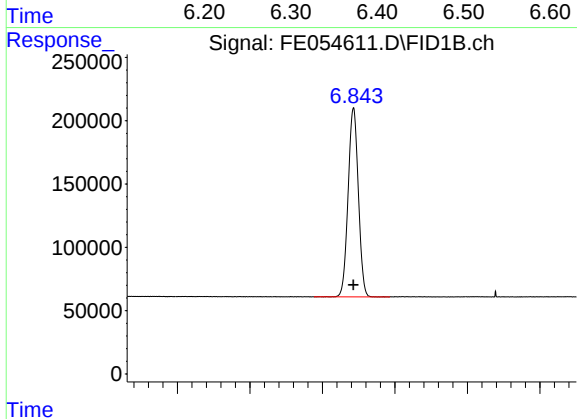
#2 n-Decane (C10)

R.T.: 4.672 min
Delta R.T.: 0.000 min
Response: 1453045
Conc: 10.94 ug/ml



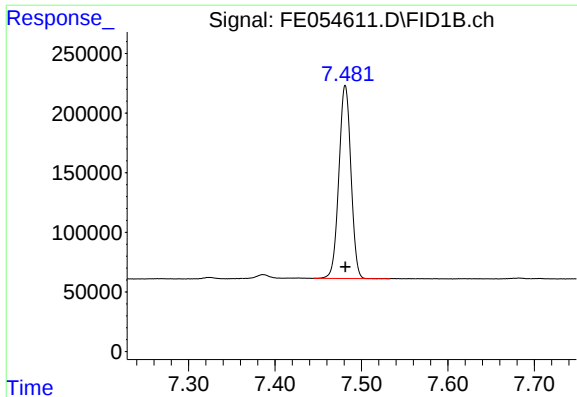
#3 A~Naphthalene (C11.7)

R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 1612580
Conc: 10.94 ug/ml



#4 n-Dodecane (C12)

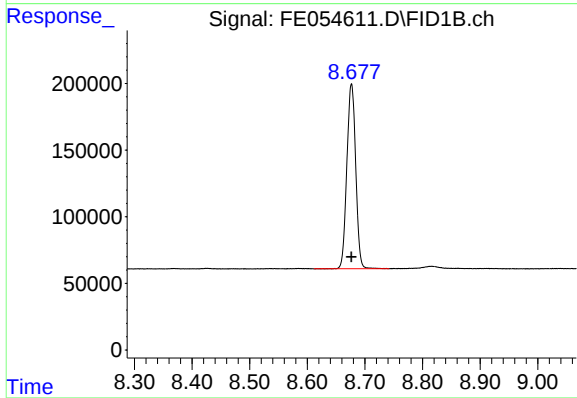
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 1461644
Conc: 10.94 ug/ml



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

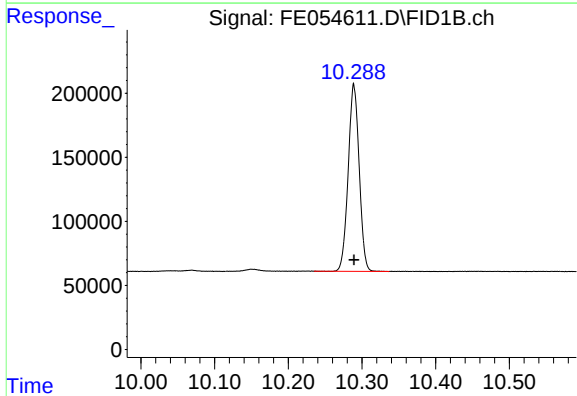
R.T.: 7.481 min
Delta R.T.: 0.000 min
Response: 1563539
Conc: 10.92 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



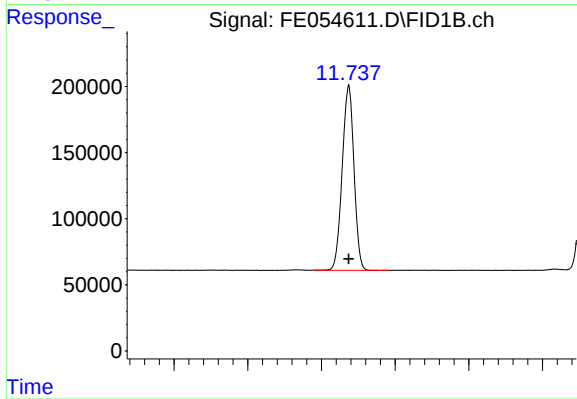
#6 n-Tetradecane (C14)

R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 1478055
Conc: 11.00 ug/ml



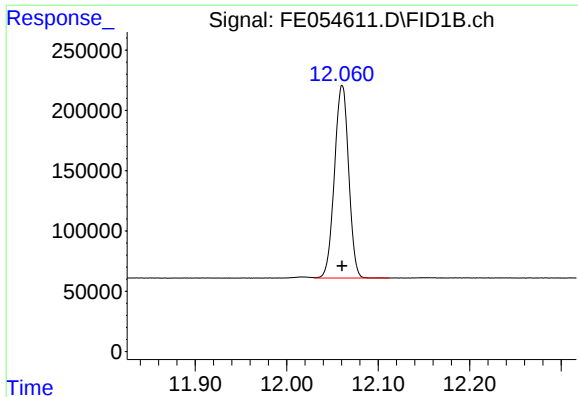
#7 n-Hexadecane (C16)

R.T.: 10.289 min
Delta R.T.: 0.000 min
Response: 1515105
Conc: 10.92 ug/ml



#8 n-Octadecane (C18)

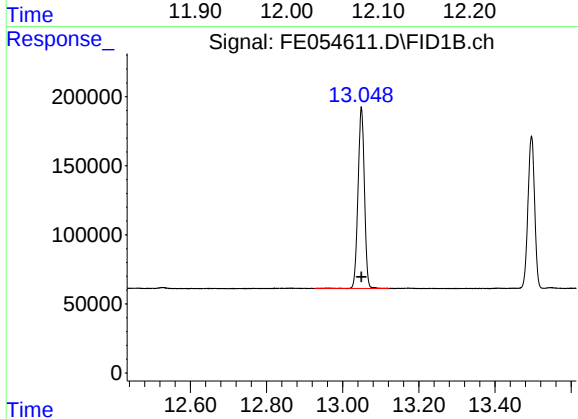
R.T.: 11.737 min
Delta R.T.: 0.000 min
Response: 1554612
Conc: 10.92 ug/ml



#9 ortho-Terphenyl (SURR)

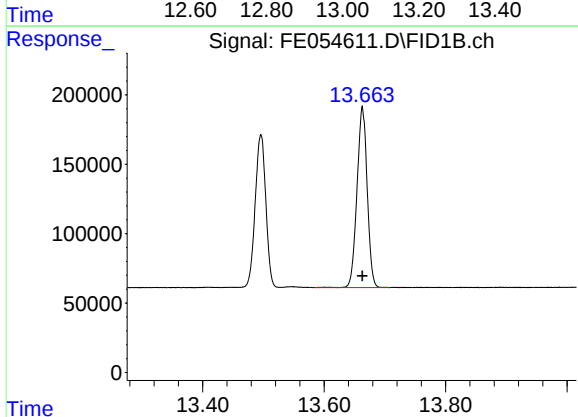
R.T.: 12.061 min
Delta R.T.: 0.000 min
Response: 1724999
Conc: 10.91 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



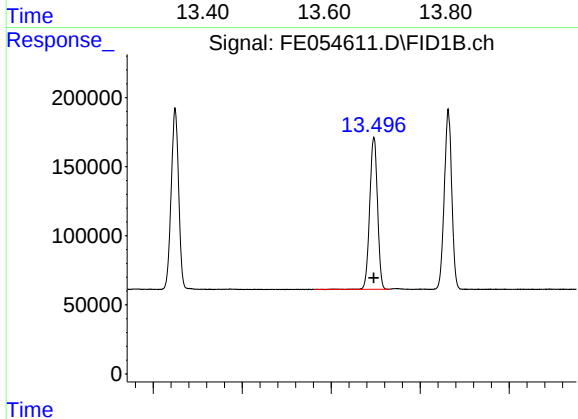
#10 n-Eicosane (C20)

R.T.: 13.049 min
Delta R.T.: 0.000 min
Response: 1530215
Conc: 10.95 ug/ml



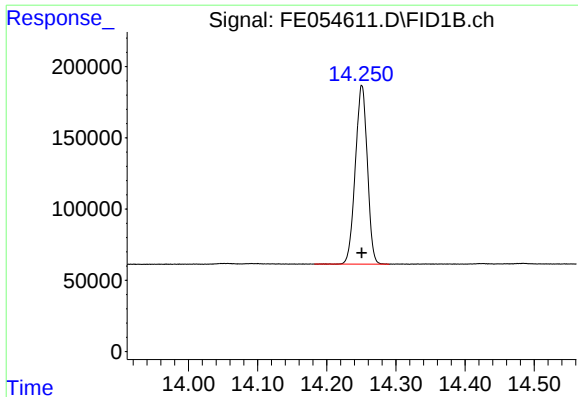
#11 n-Heneicosane (C21)

R.T.: 13.663 min
Delta R.T.: 0.000 min
Response: 1519506
Conc: 10.94 ug/ml



#12 1-chlorooctadecane (SURR)

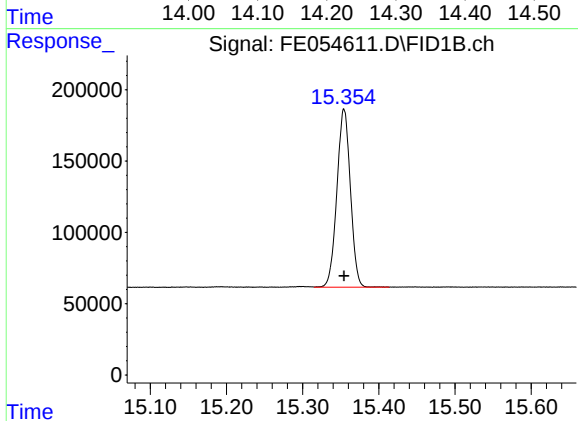
R.T.: 13.496 min
Delta R.T.: 0.000 min
Response: 1337321
Conc: 10.88 ug/ml



#13 n-Docosane (C22)

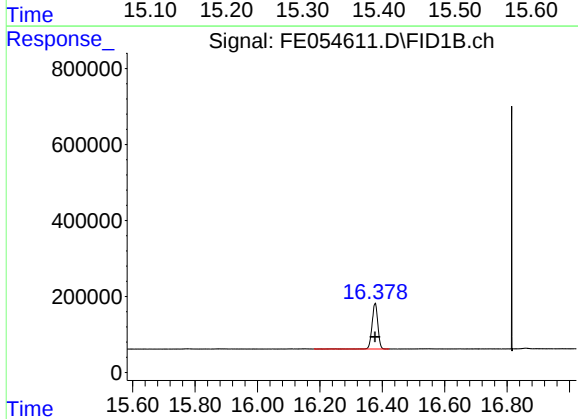
R.T.: 14.251 min
Delta R.T.: 0.000 min
Response: 1512806
Conc: 10.88 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



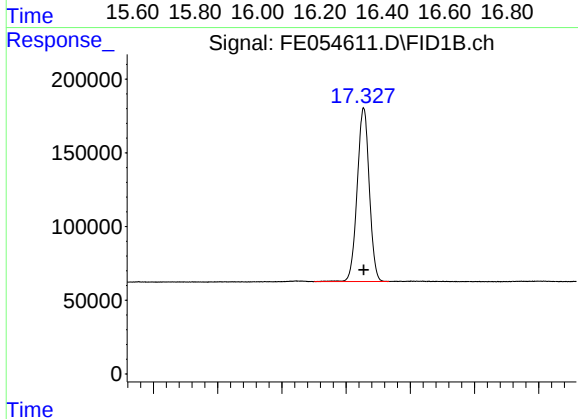
#14 n-Tetracosane (C24)

R.T.: 15.354 min
Delta R.T.: 0.000 min
Response: 1537308
Conc: 10.88 ug/ml



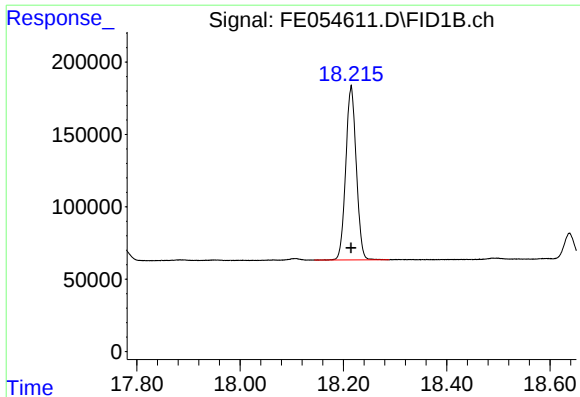
#15 n-Hexacosane (C26)

R.T.: 16.377 min
Delta R.T.: 0.000 min
Response: 1534827
Conc: 10.88 ug/ml



#16 n-Octacosane (C28)

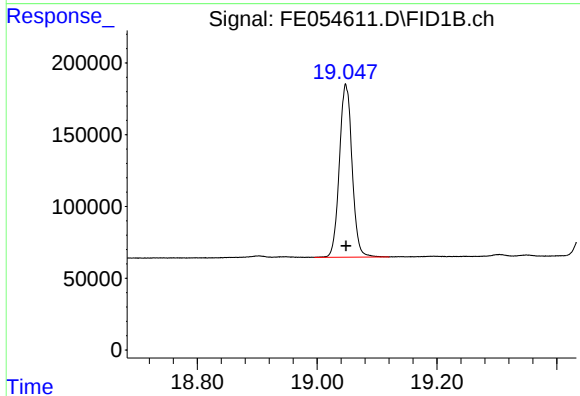
R.T.: 17.327 min
Delta R.T.: 0.000 min
Response: 1542456
Conc: 10.93 ug/ml



#17 n-Tricontane (C30)

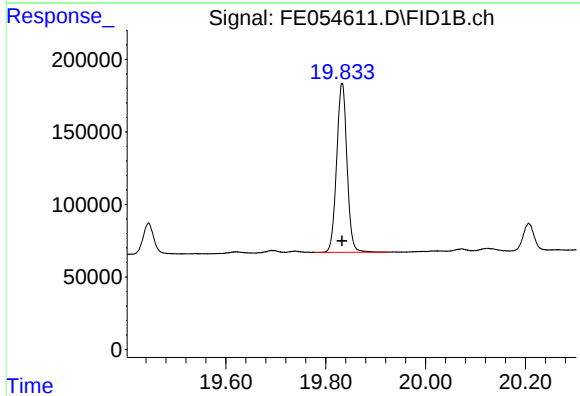
R.T.: 18.215 min
Delta R.T.: 0.000 min
Response: 1692830
Conc: 11.34 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



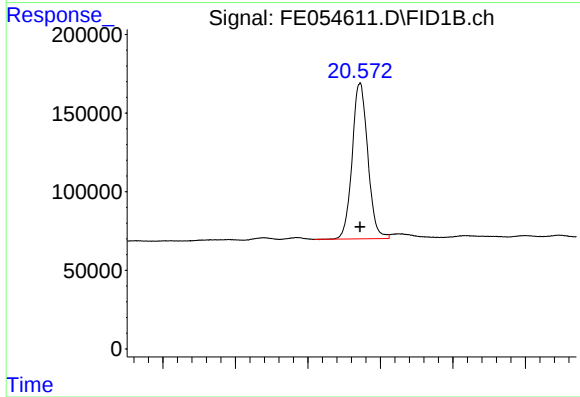
#18 n-Dotriacontane (C32)

R.T.: 19.048 min
Delta R.T.: 0.000 min
Response: 1774595
Conc: 11.81 ug/ml



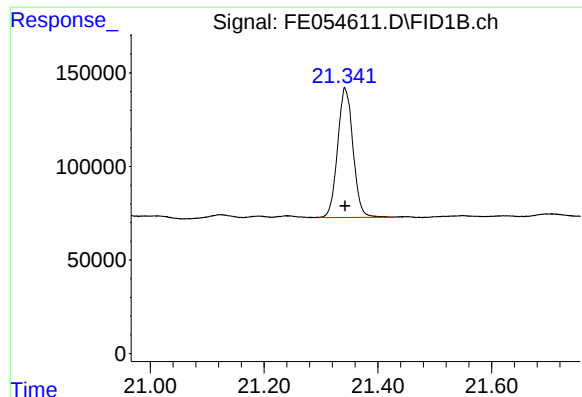
#19 n-Tetratriacontane (C34)

R.T.: 19.833 min
Delta R.T.: 0.000 min
Response: 1678325
Conc: 11.89 ug/ml



#20 n-Hexatriacontane (C36)

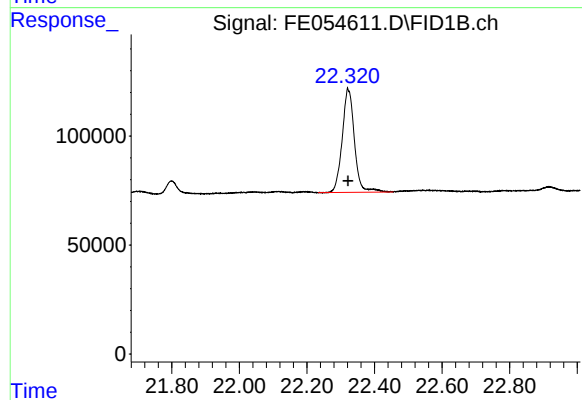
R.T.: 20.572 min
Delta R.T.: 0.000 min
Response: 1485639
Conc: 11.87 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.343 min
Delta R.T.: 0.000 min
Response: 1300115
Conc: 11.77 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.322 min
Delta R.T.: 0.000 min
Response: 1194943
Conc: 11.66 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054611.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 14:23
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.418	3.355	3.474	BB	147088	1430994	80.64%	4.280%
2	4.672	4.620	4.720	BB	149044	1453045	81.88%	4.346%
3	6.383	6.327	6.414	BV	173644	1612580	90.87%	4.823%
4	6.843	6.789	6.892	BB	150128	1461644	82.36%	4.372%
5	7.481	7.445	7.532	BB	161988	1563539	88.11%	4.676%
6	8.677	8.612	8.742	BB	138745	1478055	83.29%	4.421%
7	10.289	10.235	10.337	BB	146184	1515105	85.38%	4.531%
8	11.737	11.690	11.792	BB	140251	1554612	87.60%	4.650%
9	12.061	12.030	12.112	VB	160148	1724999	97.21%	5.159%
10	13.049	12.925	13.122	BB	131406	1530215	86.23%	4.577%
11	13.496	13.362	13.530	BV	109975	1337321	75.36%	4.000%
12	13.663	13.584	13.707	BB	129154	1519506	85.63%	4.545%
13	14.251	14.182	14.290	BB	125822	1512806	85.25%	4.525%
14	15.354	15.315	15.414	VB	125210	1537308	86.63%	4.598%
15	16.377	16.182	16.422	BB	119959	1534827	86.49%	4.590%
16	17.327	17.250	17.367	BB	118066	1542456	86.92%	4.613%
17	18.215	18.144	18.289	BB	120625	1692830	95.39%	5.063%
18	19.048	18.995	19.120	BB	119636	1774595	100.00%	5.308%
19	19.833	19.777	19.927	BB	116860	1678325	94.58%	5.020%
20	20.572	20.509	20.612	PV	99169	1485639	83.72%	4.443%
21	21.343	21.295	21.427	BV	69221	1300115	73.26%	3.888%
22	22.322	22.234	22.455	BV	47021	1194943	67.34%	3.574%
Sum of corrected areas:							33435459	

Aliphatic EPH 062725.M Sat Jun 28 02:17:27 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054612.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 14:54
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Jun 27 15:17:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:17:39 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)	12.060	897784	5.528 ug/ml
Spiked Amount 50.000		Recovery =	11.06%
12) S 1-chlorooctadecane (S...	13.496	698976	5.535 ug/ml
Spiked Amount 50.000		Recovery =	11.07%
Target Compounds			
1) T n-Nonane (C9)	3.418	741733	5.514 ug/ml
2) T n-Decane (C10)	4.672	755134	5.534 ug/ml
3) T A~Naphthalene (C11.7)	6.383	837756	5.533 ug/ml
4) T n-Dodecane (C12)	6.843	758434	5.528 ug/ml
5) T A~2-methylnaphthalene...	7.481	812009	5.524 ug/ml
6) T n-Tetradecane (C14)	8.676	778826	5.618 ug/ml
7) T n-Hexadecane (C16)	10.289	786629	5.520 ug/ml
8) T n-Octadecane (C18)	11.736	817448	5.578 ug/ml
10) T n-Eicosane (C20)	13.049	799341	5.559 ug/ml
11) T n-Heneicosane (C21)	13.662	792166	5.546 ug/ml
13) T n-Docosane (C22)	14.250	787773	5.517 ug/ml
14) T n-Tetracosane (C24)	15.354	807739	5.557 ug/ml
15) T n-Hexacosane (C26)	16.377	795436	5.497 ug/ml
16) T n-Octacosane (C28)	17.327	822169	5.641 ug/ml
17) T n-Tricontane (C30)	18.216	953767	6.052 ug/ml
18) T n-Dotriacontane (C32)	19.049	1039900	6.428 ug/ml
19) T n-Tetratriacontane (C34)	19.833	987799	6.482 ug/ml
20) T n-Hexatriacontane (C36)	20.573	858425	6.384 ug/ml
21) T n-Octatriacontane (C38)	21.346	723114	6.166 ug/ml
22) T n-Tetracontane (C40)	22.324	659393	6.084 ug/ml

(f)=RT Delta > 1/2 Window

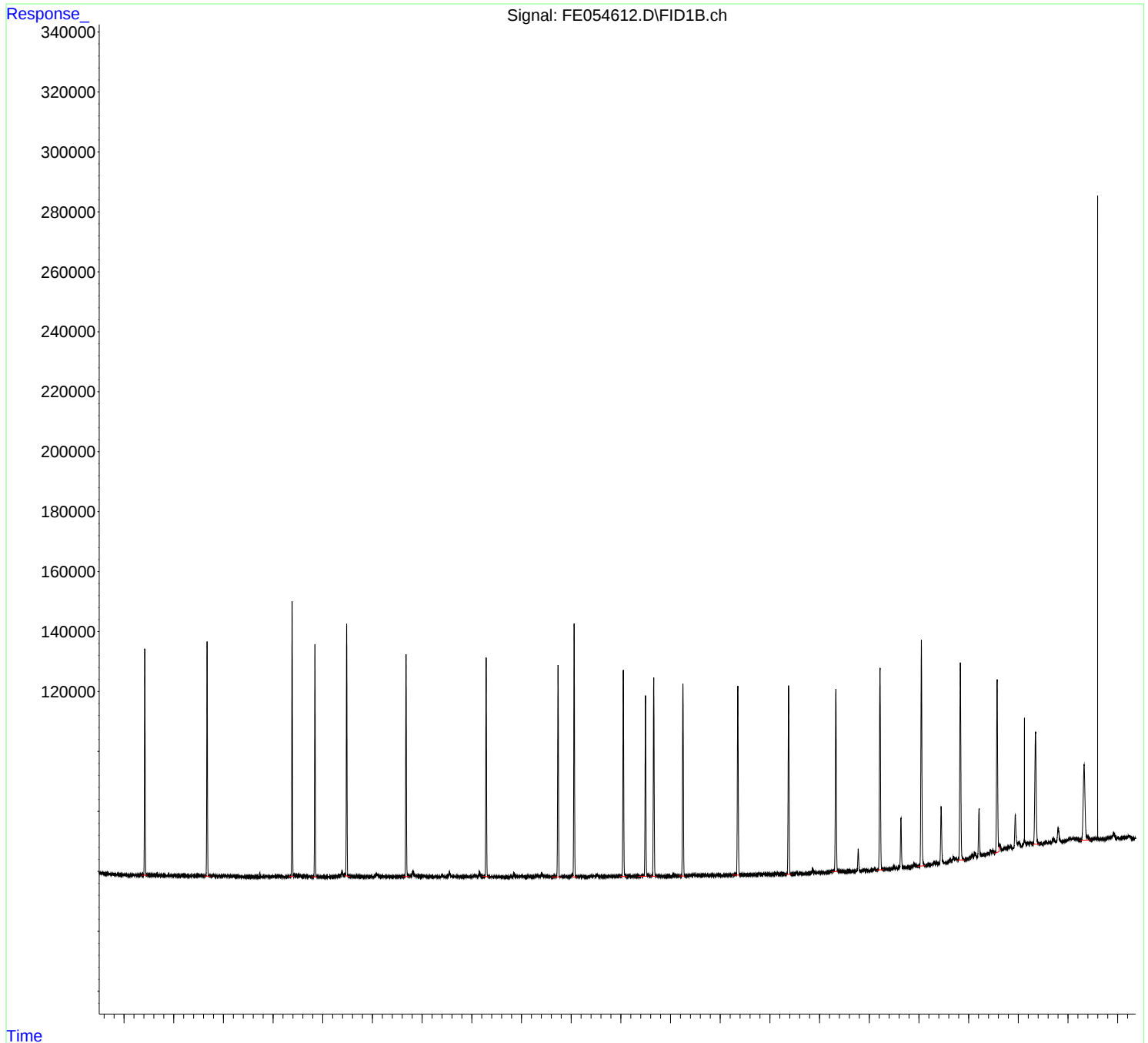
(m)=manual int.

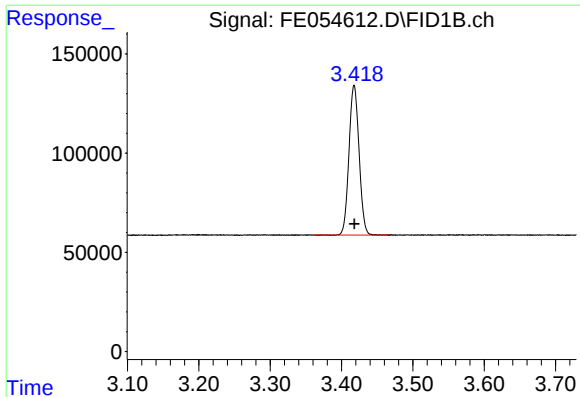
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054612.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 14:54
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Jun 27 15:17:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:17:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

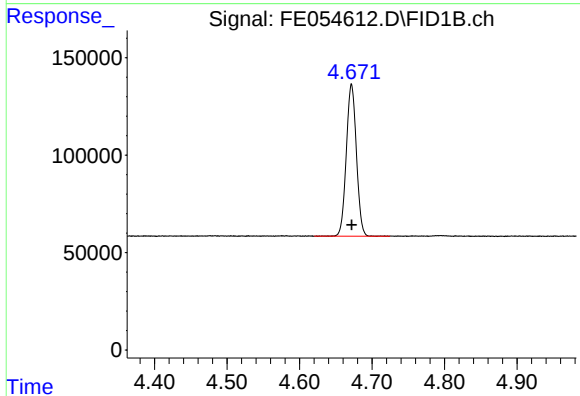




#1 n-Nonane (C9)

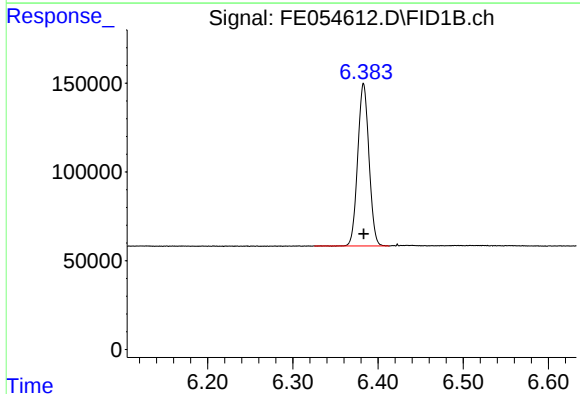
R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 741733
Conc: 5.51 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



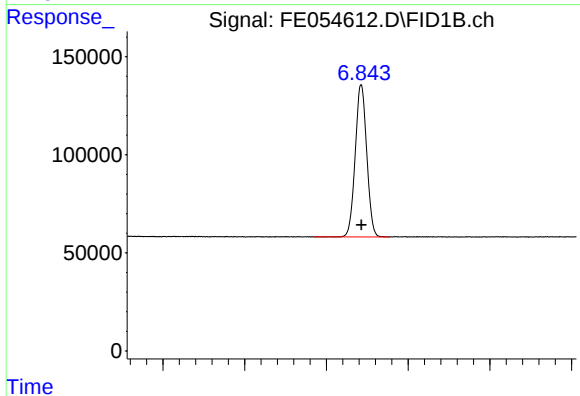
#2 n-Decane (C10)

R.T.: 4.672 min
Delta R.T.: 0.000 min
Response: 755134
Conc: 5.53 ug/ml



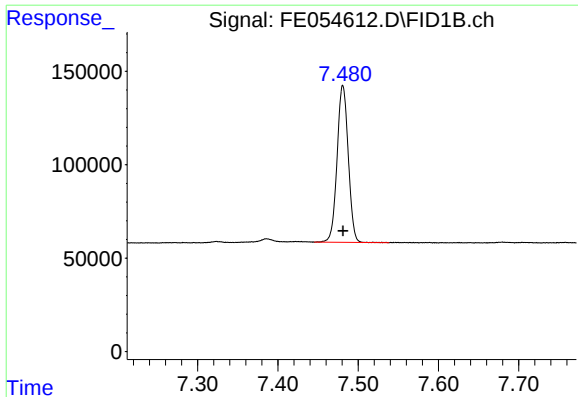
#3 A~Naphthalene (C11.7)

R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 837756
Conc: 5.53 ug/ml



#4 n-Dodecane (C12)

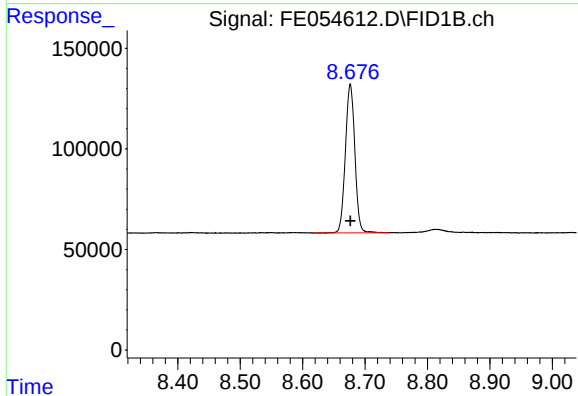
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 758434
Conc: 5.53 ug/ml



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

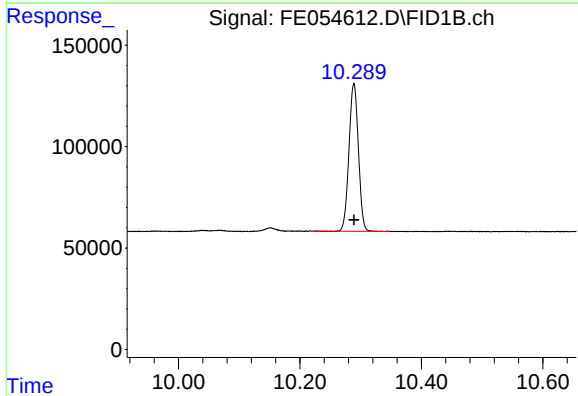
R.T.: 7.481 min
Delta R.T.: 0.000 min
Response: 812009
Conc: 5.52 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



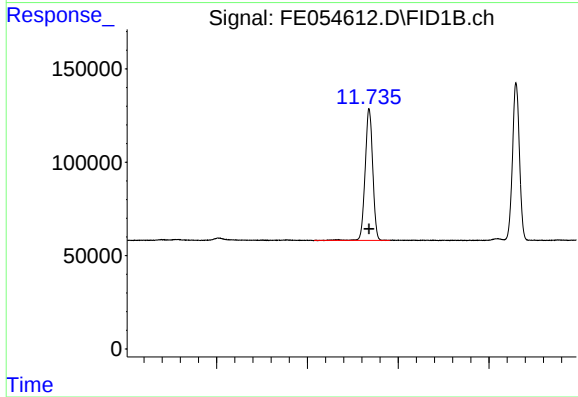
#6 n-Tetradecane (C14)

R.T.: 8.676 min
Delta R.T.: 0.000 min
Response: 778826
Conc: 5.62 ug/ml



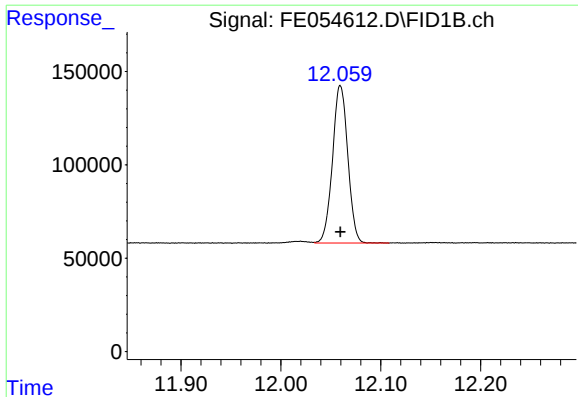
#7 n-Hexadecane (C16)

R.T.: 10.289 min
Delta R.T.: 0.000 min
Response: 786629
Conc: 5.52 ug/ml



#8 n-Octadecane (C18)

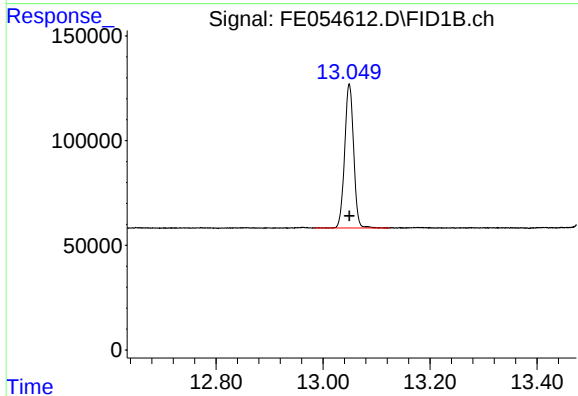
R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 817448
Conc: 5.58 ug/ml



#9 ortho-Terphenyl (SURR)

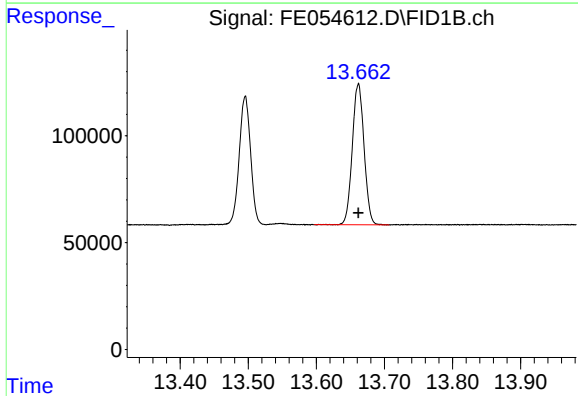
R.T.: 12.060 min
Delta R.T.: 0.000 min
Response: 897784
Conc: 5.53 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



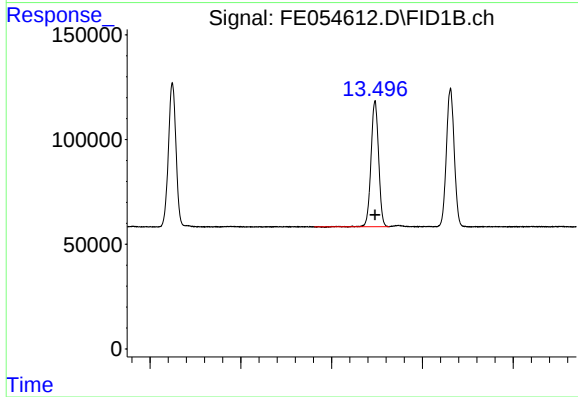
#10 n-Eicosane (C20)

R.T.: 13.049 min
Delta R.T.: 0.000 min
Response: 799341
Conc: 5.56 ug/ml



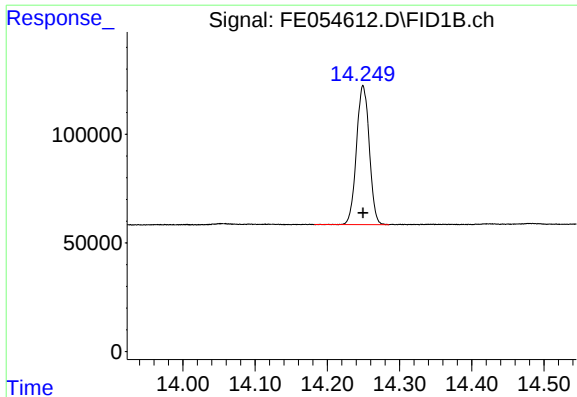
#11 n-Heneicosane (C21)

R.T.: 13.662 min
Delta R.T.: 0.000 min
Response: 792166
Conc: 5.55 ug/ml



#12 1-chlorooctadecane (SURR)

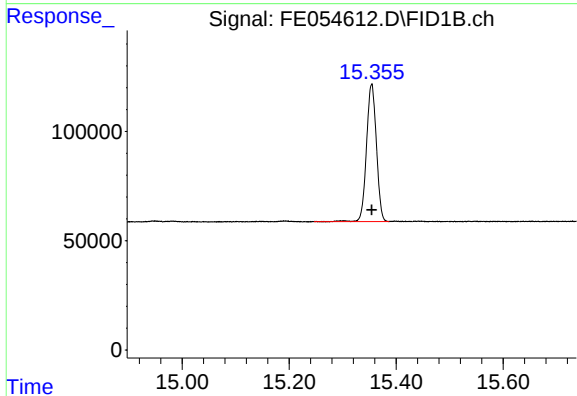
R.T.: 13.496 min
Delta R.T.: 0.000 min
Response: 698976
Conc: 5.53 ug/ml



#13 n-Docosane (C22)

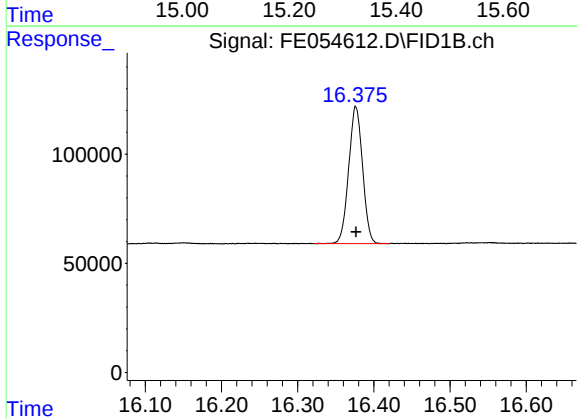
R.T.: 14.250 min
Delta R.T.: 0.000 min
Response: 787773
Conc: 5.52 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



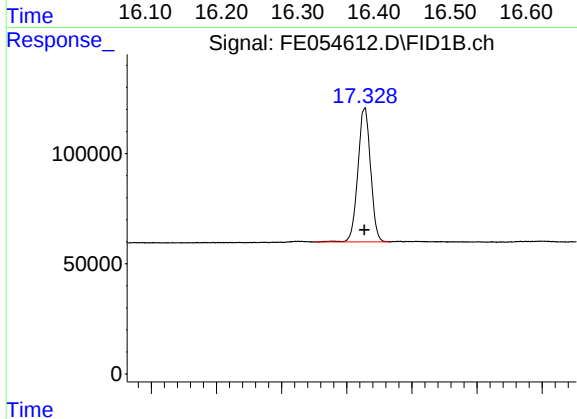
#14 n-Tetracosane (C24)

R.T.: 15.354 min
Delta R.T.: 0.000 min
Response: 807739
Conc: 5.56 ug/ml



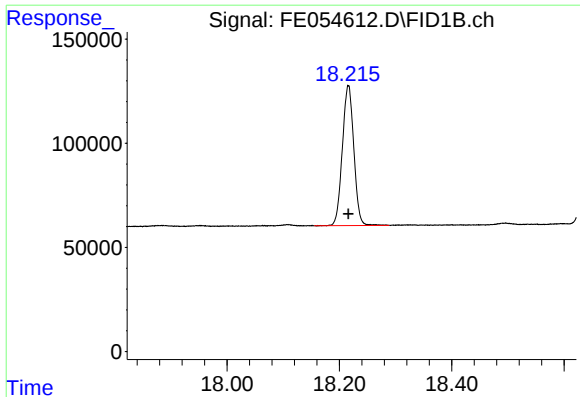
#15 n-Hexacosane (C26)

R.T.: 16.377 min
Delta R.T.: 0.000 min
Response: 795436
Conc: 5.50 ug/ml



#16 n-Octacosane (C28)

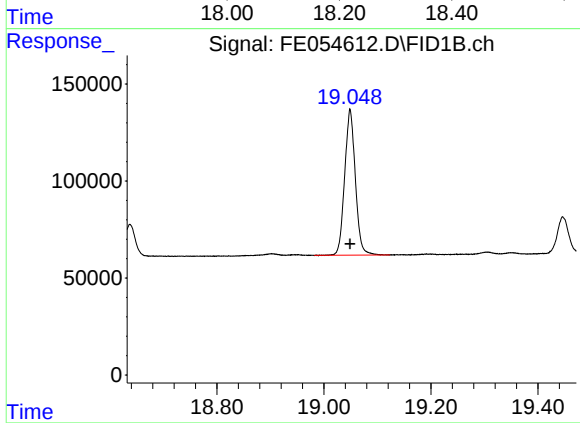
R.T.: 17.327 min
Delta R.T.: 0.000 min
Response: 822169
Conc: 5.64 ug/ml



#17 n-Tricontane (C30)

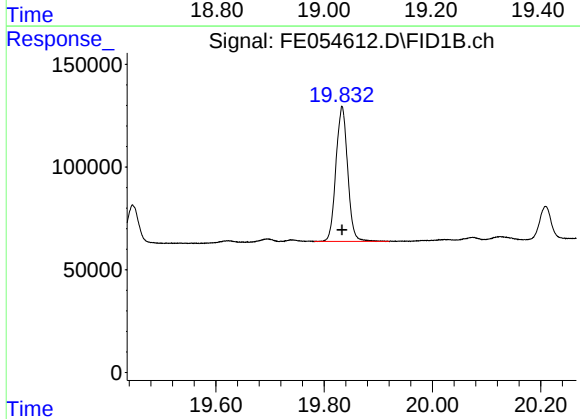
R.T.: 18.216 min
Delta R.T.: 0.000 min
Response: 953767
Conc: 6.05 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



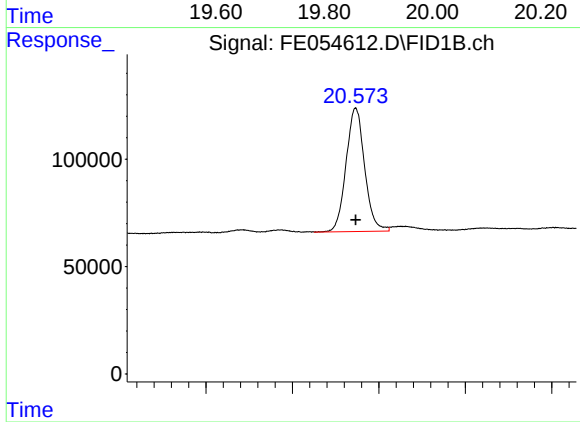
#18 n-Dotriacontane (C32)

R.T.: 19.049 min
Delta R.T.: 0.000 min
Response: 1039900
Conc: 6.43 ug/ml



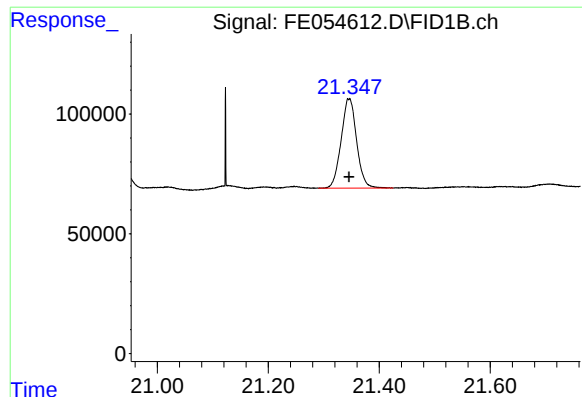
#19 n-Tetratriacontane (C34)

R.T.: 19.833 min
Delta R.T.: 0.000 min
Response: 987799
Conc: 6.48 ug/ml



#20 n-Hexatriacontane (C36)

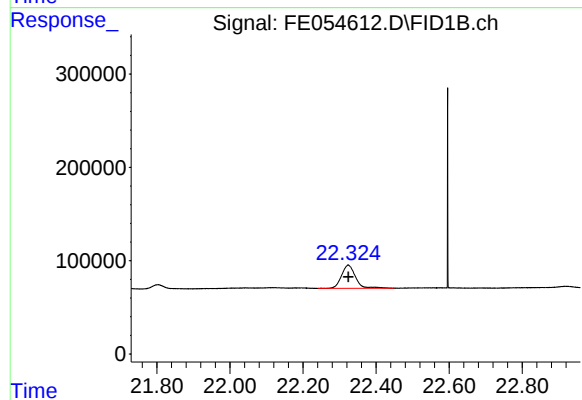
R.T.: 20.573 min
Delta R.T.: 0.000 min
Response: 858425
Conc: 6.38 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.346 min
Delta R.T.: 0.000 min
Response: 723114
Conc: 6.17 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.324 min
Delta R.T.: 0.000 min
Response: 659393
Conc: 6.08 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054612.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 14:54
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.418	3.362	3.467	BB	75659	741733	71.33%	4.141%
2	4.672	4.620	4.724	BB	78080	755134	72.62%	4.216%
3	6.383	6.325	6.413	BV	91458	837756	80.56%	4.677%
4	6.843	6.785	6.877	BB	77709	758434	72.93%	4.234%
5	7.481	7.445	7.539	BB	84102	812009	78.09%	4.533%
6	8.676	8.619	8.739	BB	74055	778826	74.89%	4.348%
7	10.289	10.224	10.347	BB	72696	786629	75.64%	4.392%
8	11.736	11.615	11.780	BB	70291	817448	78.61%	4.564%
9	12.060	12.034	12.109	VB	84124	897784	86.33%	5.012%
10	13.049	12.984	13.124	BB	68773	799341	76.87%	4.463%
11	13.496	13.362	13.527	BV	60057	698976	67.22%	3.902%
12	13.662	13.597	13.707	BB	66059	792166	76.18%	4.423%
13	14.250	14.182	14.286	BB	63846	787773	75.75%	4.398%
14	15.354	15.247	15.387	BB	62760	807739	77.67%	4.510%
15	16.377	16.322	16.420	BB	62461	795436	76.49%	4.441%
16	17.327	17.250	17.365	BV	60423	822169	79.06%	4.590%
17	18.216	18.155	18.289	BB	67529	953767	91.72%	5.325%
18	19.049	18.982	19.122	BB	75345	1039900	100.00%	5.806%
19	19.833	19.782	19.920	BB	65849	987799	94.99%	5.515%
20	20.573	20.525	20.612	BV	57615	858425	82.55%	4.793%
21	21.346	21.290	21.425	BB	36950	723114	69.54%	4.037%
22	22.324	22.242	22.447	BB	25113	659393	63.41%	3.681%
Sum of corrected areas:							17911749	

Aliphatic EPH 062725.M Sat Jun 28 02:18:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054613.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 15:24
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Jun 27 15:48:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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)	12.062	3028688	18.650 ug/ml
Spiked Amount 50.000		Recovery =	37.30%
12) S 1-chlorooctadecane (S...	13.498	2342450	18.548 ug/ml
Spiked Amount 50.000		Recovery =	37.10%
Target Compounds			
1) T n-Nonane (C9)	3.418	2502645	18.606 ug/ml
2) T n-Decane (C10)	4.672	2544484	18.648 ug/ml
3) T A~Naphthalene (C11.7)	6.384	2820974	18.631 ug/ml
4) T n-Dodecane (C12)	6.844	2560893	18.664 ug/ml
5) T A~2-methylnaphthalene...	7.482	2750056	18.707 ug/ml
6) T n-Tetradecane (C14)	8.677	2581289	18.620 ug/ml
7) T n-Hexadecane (C16)	10.290	2662158	18.680 ug/ml
8) T n-Octadecane (C18)	11.738	2731350	18.637 ug/ml
10) T n-Eicosane (C20)	13.051	2682264	18.654 ug/ml
11) T n-Heneicosane (C21)	13.664	2655754	18.593 ug/ml
13) T n-Docosane (C22)	14.252	2663243	18.652 ug/ml
14) T n-Tetracosane (C24)	15.355	2701405	18.584 ug/ml
15) T n-Hexacosane (C26)	16.379	2682582	18.537 ug/ml
16) T n-Octacosane (C28)	17.329	2682634	18.407 ug/ml
17) T n-Tricontane (C30)	18.218	2884214	18.303 ug/ml
18) T n-Dotriacontane (C32)	19.051	2934528	18.138 ug/ml
19) T n-Tetratriacontane (C34)	19.835	2788021	18.295 ug/ml
20) T n-Hexatriacontane (C36)	20.575	2448198	18.208 ug/ml
21) T n-Octatriacontane (C38)	21.348	2149052	18.324 ug/ml
22) T n-Tetracontane (C40)	22.329	1970334	18.179 ug/ml

(f)=RT Delta > 1/2 Window

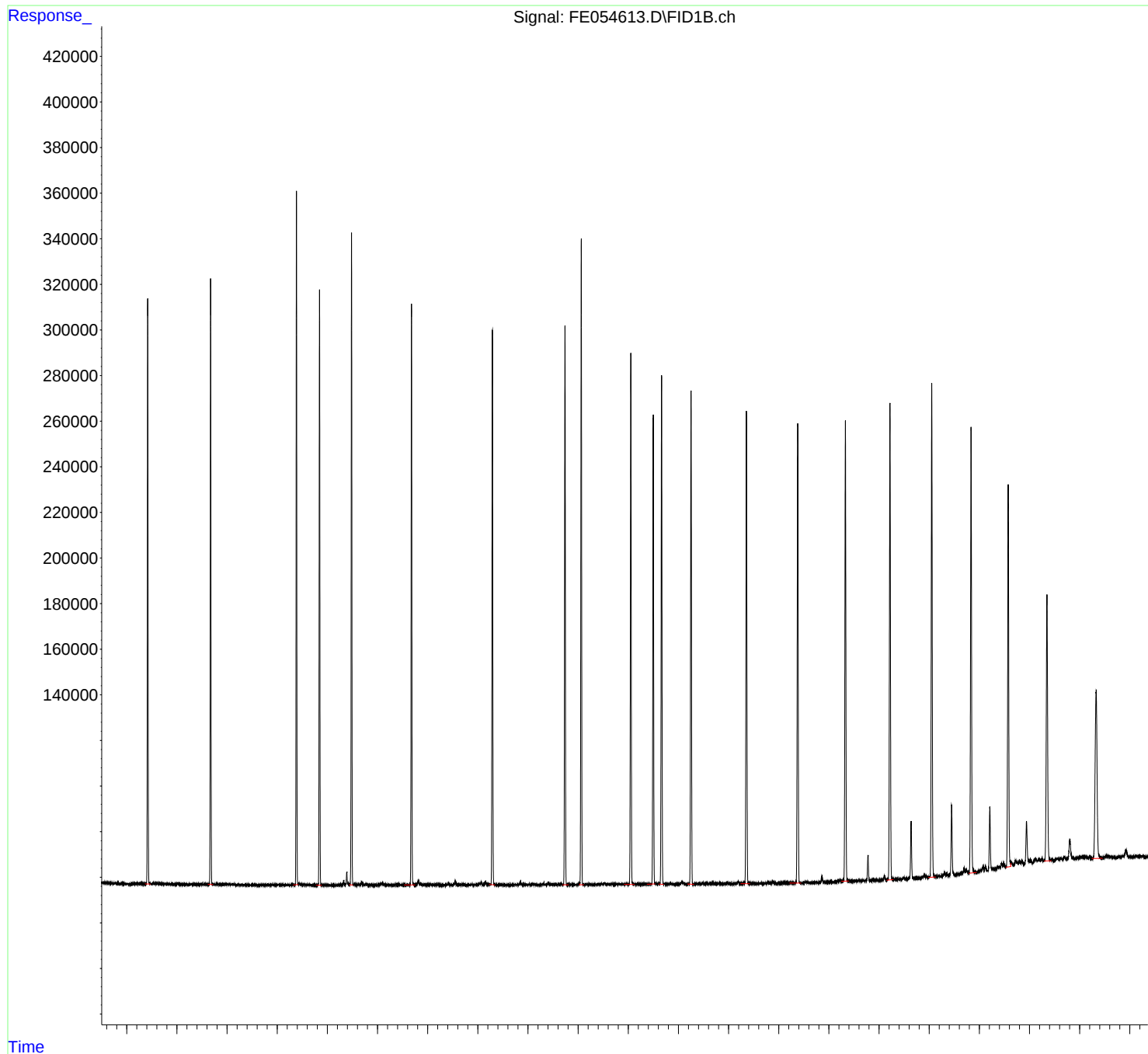
(m)=manual int.

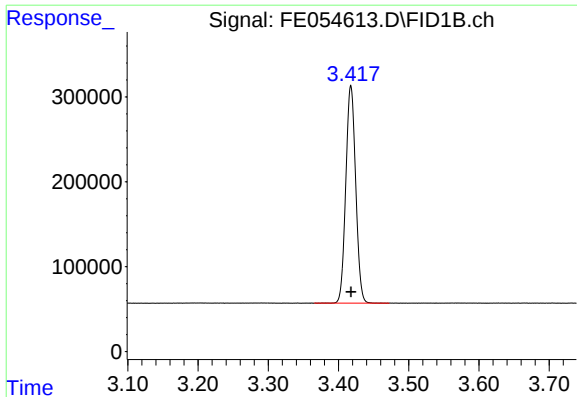
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054613.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 15:24
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jun 27 15:48:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

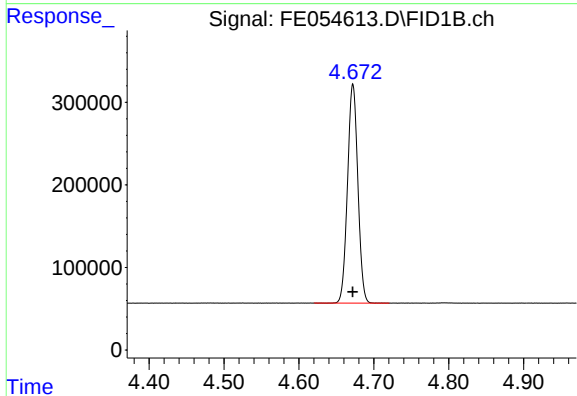




#1 n-Nonane (C9)

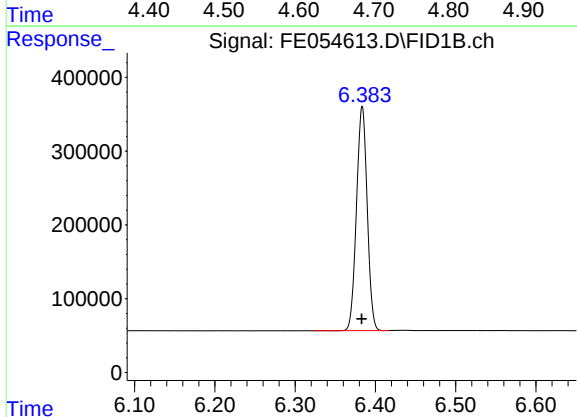
R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 2502645
Conc: 18.61 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



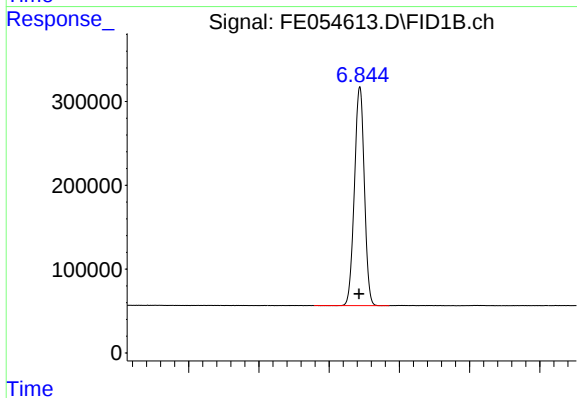
#2 n-Decane (C10)

R.T.: 4.672 min
Delta R.T.: 0.000 min
Response: 2544484
Conc: 18.65 ug/ml



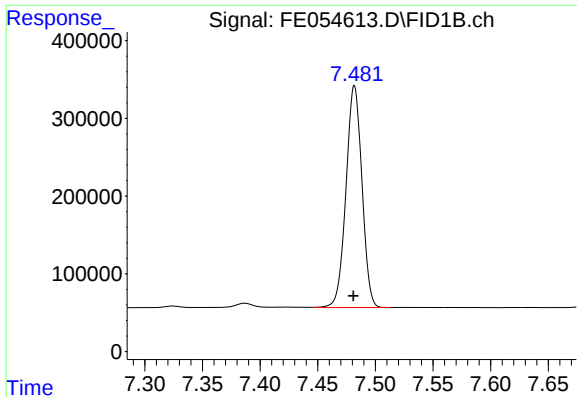
#3 A~Naphthalene (C11.7)

R.T.: 6.384 min
Delta R.T.: 0.000 min
Response: 2820974
Conc: 18.63 ug/ml



#4 n-Dodecane (C12)

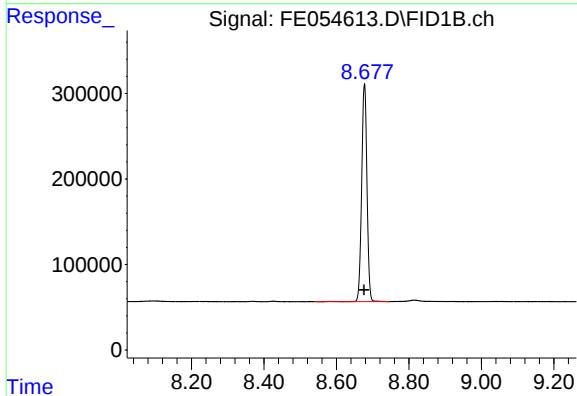
R.T.: 6.844 min
Delta R.T.: 0.001 min
Response: 2560893
Conc: 18.66 ug/ml



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

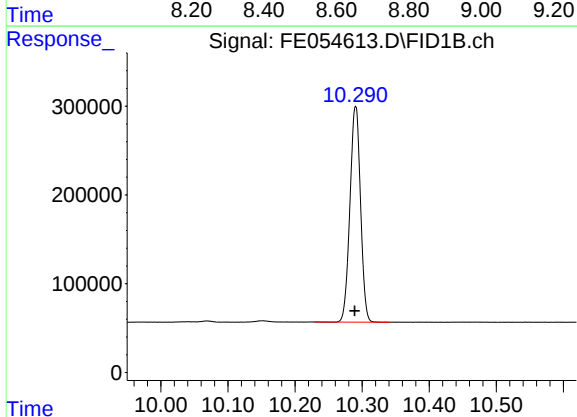
R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 2750056
Conc: 18.71 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



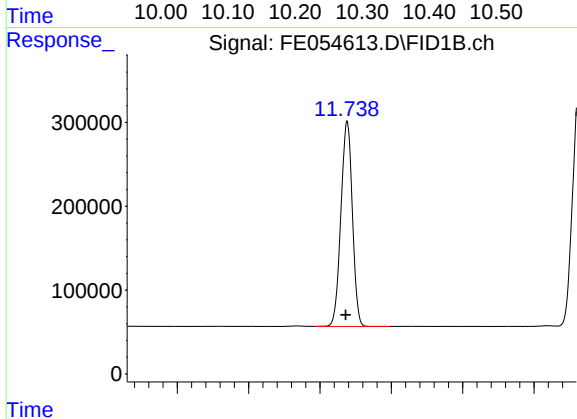
#6 n-Tetradecane (C14)

R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 2581289
Conc: 18.62 ug/ml



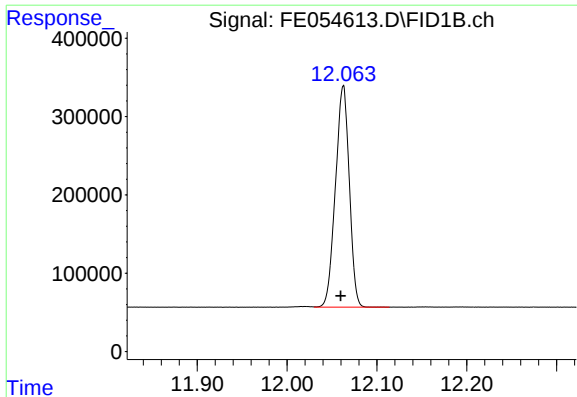
#7 n-Hexadecane (C16)

R.T.: 10.290 min
Delta R.T.: 0.001 min
Response: 2662158
Conc: 18.68 ug/ml



#8 n-Octadecane (C18)

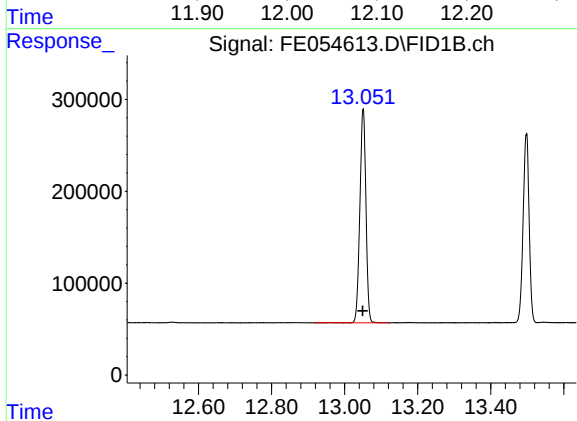
R.T.: 11.738 min
Delta R.T.: 0.002 min
Response: 2731350
Conc: 18.64 ug/ml



#9 ortho-Terphenyl (SURR)

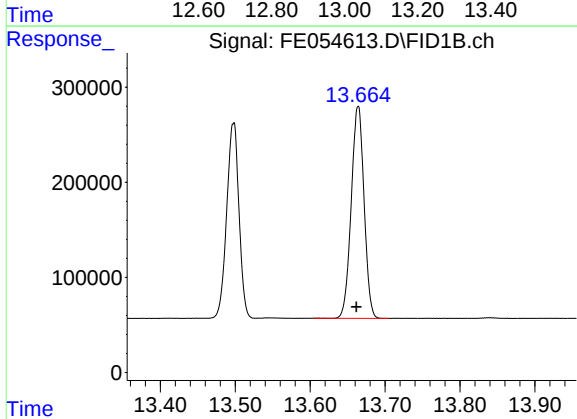
R.T.: 12.062 min
Delta R.T.: 0.003 min
Response: 3028688
Conc: 18.65 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



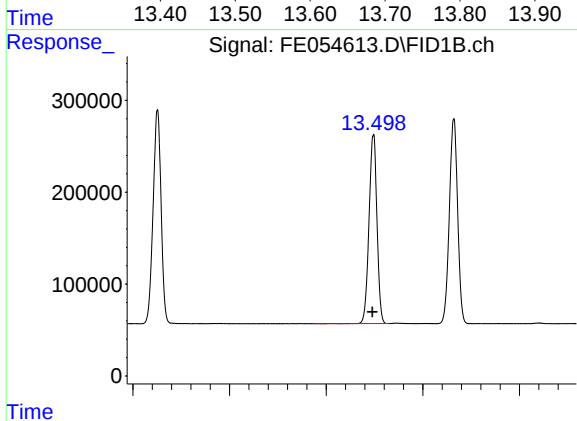
#10 n-Eicosane (C20)

R.T.: 13.051 min
Delta R.T.: 0.002 min
Response: 2682264
Conc: 18.65 ug/ml



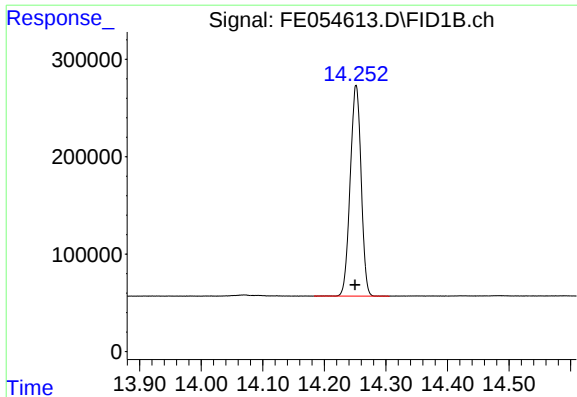
#11 n-Heneicosane (C21)

R.T.: 13.664 min
Delta R.T.: 0.002 min
Response: 2655754
Conc: 18.59 ug/ml



#12 1-chlorooctadecane (SURR)

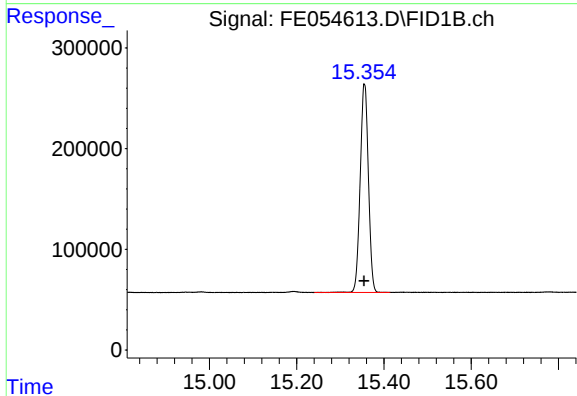
R.T.: 13.498 min
Delta R.T.: 0.002 min
Response: 2342450
Conc: 18.55 ug/ml



#13 n-Docosane (C22)

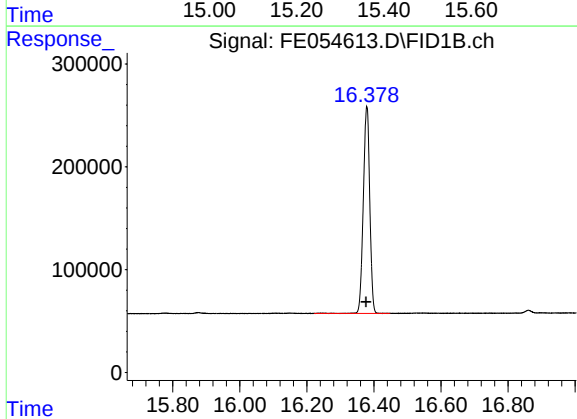
R.T.: 14.252 min
Delta R.T.: 0.002 min
Response: 2663243
Conc: 18.65 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



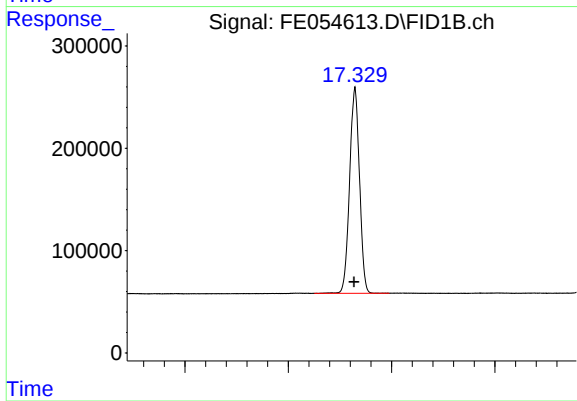
#14 n-Tetracosane (C24)

R.T.: 15.355 min
Delta R.T.: 0.001 min
Response: 2701405
Conc: 18.58 ug/ml



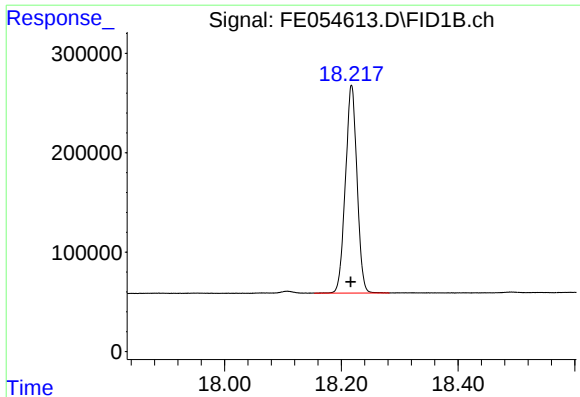
#15 n-Hexacosane (C26)

R.T.: 16.379 min
Delta R.T.: 0.002 min
Response: 2682582
Conc: 18.54 ug/ml



#16 n-Octacosane (C28)

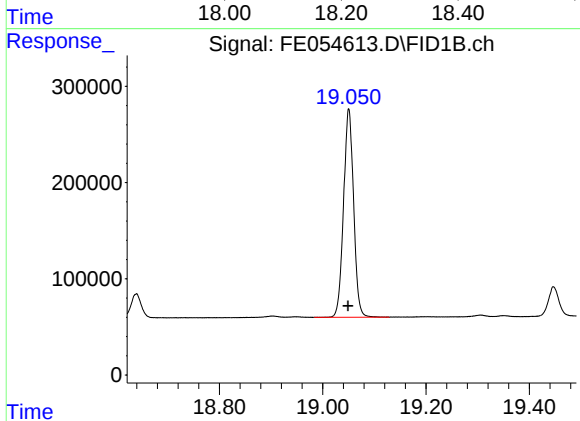
R.T.: 17.329 min
Delta R.T.: 0.002 min
Response: 2682634
Conc: 18.41 ug/ml



#17 n-Tricontane (C30)

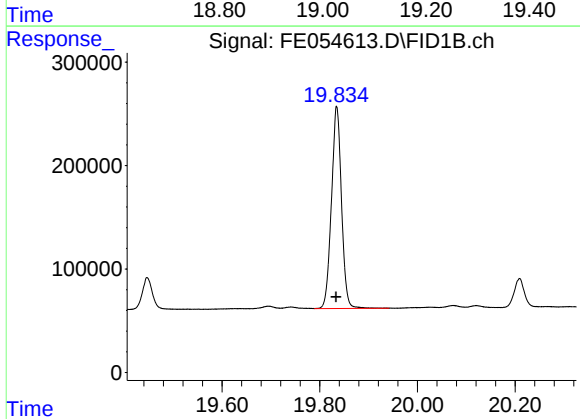
R.T.: 18.218 min
Delta R.T.: 0.002 min
Response: 2884214
Conc: 18.30 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



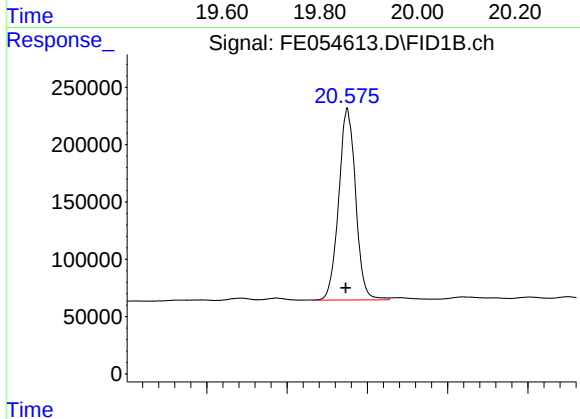
#18 n-Dotriacontane (C32)

R.T.: 19.051 min
Delta R.T.: 0.002 min
Response: 2934528
Conc: 18.14 ug/ml



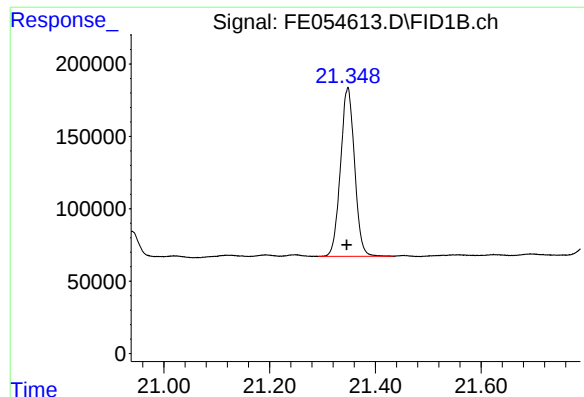
#19 n-Tetratriacontane (C34)

R.T.: 19.835 min
Delta R.T.: 0.002 min
Response: 2788021
Conc: 18.30 ug/ml



#20 n-Hexatriacontane (C36)

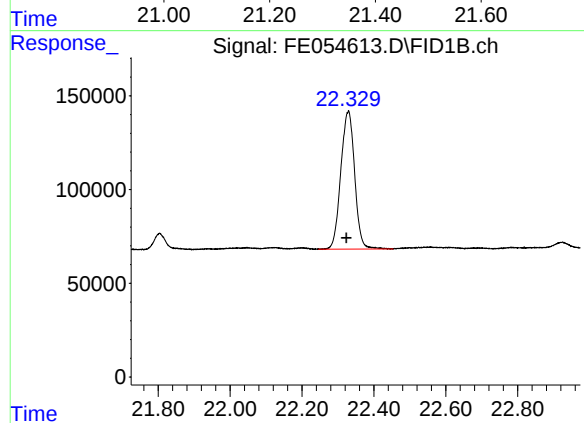
R.T.: 20.575 min
Delta R.T.: 0.002 min
Response: 2448198
Conc: 18.21 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.348 min
Delta R.T.: 0.002 min
Response: 2149052
Conc: 18.32 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.329 min
Delta R.T.: 0.005 min
Response: 1970334
Conc: 18.18 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054613.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 15:24
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.418	3.365	3.472	BB	256328	2502645	82.63%	4.332%
2	4.672	4.620	4.720	BB	265371	2544484	84.01%	4.405%
3	6.384	6.324	6.417	BV	304777	2820974	93.14%	4.883%
4	6.844	6.779	6.885	BB	261391	2560893	84.55%	4.433%
5	7.482	7.447	7.512	VB	285575	2750056	90.80%	4.761%
6	8.677	8.539	8.745	BB	254086	2581289	85.23%	4.468%
7	10.290	10.229	10.340	BB	243419	2662158	87.90%	4.608%
8	11.738	11.692	11.797	VB	244915	2731350	90.18%	4.728%
9	12.062	12.030	12.114	VB	282454	3028688	100.00%	5.243%
10	13.051	12.917	13.122	BB	233017	2682264	88.56%	4.643%
11	13.498	13.375	13.530	BV	205276	2342450	77.34%	4.055%
12	13.664	13.605	13.705	BB	223180	2655754	87.69%	4.597%
13	14.252	14.184	14.305	BB	216501	2663243	87.93%	4.610%
14	15.356	15.240	15.412	BB	206574	2701405	89.19%	4.676%
15	16.379	16.222	16.445	BB	201653	2682582	88.57%	4.644%
16	17.329	17.250	17.395	BB	201121	2682634	88.57%	4.644%
17	18.218	18.154	18.282	BB	209402	2884214	95.23%	4.993%
18	19.051	18.984	19.129	BB	216846	2934528	96.89%	5.080%
19	19.835	19.789	19.942	VB	194869	2788021	92.05%	4.826%
20	20.575	20.534	20.627	BV	167522	2448198	80.83%	4.238%
21	21.348	21.292	21.434	BV	116202	2149052	70.96%	3.720%
22	22.329	22.245	22.454	BV	73515	1970334	65.06%	3.411%
Sum of corrected areas:							57767217	

Aliphatic EPH 062725.M Sat Jun 28 02:19:40 2025

Continuing Calibration Report for SequenceID : FC070225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC069355.D

Aliphatic C9-C12	9339051.000	60.000	3.304	6.604	155650.850	146679.627	-6.116
Aliphatic C12-C16	6424914.000	40.000	6.605	10.008	160622.850	159210.532	-0.887
Aliphatic C16-C21	9216722.000	60.000	10.009	13.377	153612.033	154434.323	0.532
Aliphatic C21-C28	11012797.000	80.000	13.378	17.043	137659.963	133966.368	-2.757
Aliphatic C28-C40	12367304.000	120.000	17.044	22.026	103060.867	92124.417	-11.871
Aliphatic EPH	48360788.000	360.000	3.304	22.026	134335.522	128354.160	-4.660

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	02 Jul 2025 12:53
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069355.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.304	6.604	9339051.000	60.000	ug/ml
Aliphatic C12-C16	6.605	10.008	6424914.000	40.000	ug/ml
Aliphatic C16-C21	10.009	13.377	9216722.000	60.000	ug/ml
Aliphatic C21-C28	13.378	17.043	11012797.000	80.000	ug/ml
Aliphatic C28-C40	17.044	22.026	12367304.000	120.000	ug/ml
Aliphatic EPH	3.304	22.026	48360788.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070225AL\
 Data File : FC069355.D
 Signal(s) : FID1A.ch
 Acq On : 02 Jul 2025 12:53
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/03/2025
 Supervised By :mohammad ahmed 07/04/2025

Integration File: autoint1.e
 Quant Time: Jul 03 02:11:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 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)	11.675	3412655	19.754 ug/ml
Spiked Amount 50.000		Recovery =	39.51%
12) S 1-chlorooctadecane (S...	13.110	2590140	19.826 ug/ml
Spiked Amount 50.000		Recovery =	39.65%
Target Compounds			
1) T n-Nonane (C9)	3.404	3034003	21.333 ug/ml
2) T n-Decane (C10)	4.478	3129768	21.379 ug/ml
3) T A~Naphthalene (C11.7)	6.073	3432971	21.337 ug/ml
4) T n-Dodecane (C12)	6.504	3175280	20.969 ug/ml
5) T A~2-methylnaphthalene...	7.133	3325550	21.015 ug/ml
6) T n-Tetradecane (C14)	8.303	3170365	20.453 ug/ml
7) T n-Hexadecane (C16)	9.908	3254549	19.916 ug/ml
8) T n-Octadecane (C18)	11.353	3226622	19.762 ug/ml
10) T n-Eicosane (C20)	12.664	3037026	19.897 ug/ml
11) T n-Heneicosane (C21)	13.277	2953074	20.035 ug/ml
13) T n-Docosane (C22)	13.864	2907426	20.207 ug/ml
14) T n-Tetracosane (C24)	14.970	2833420	20.542 ug/ml
15) T n-Hexacosane (C26)	15.992	2690465	20.581 ug/ml
16) T n-Octacosane (C28)	16.943	2581486	20.932 ug/ml
17) T n-Tricontane (C30)	17.832	2566313	21.587 ug/ml
18) T n-Dotriacontane (C32)	18.666	2425775	22.186 ug/ml
19) T n-Tetratriacontane (C34)	19.451	2173918	22.512 ug/ml
20) T n-Hexatriacontane (C36)	20.191	1877698	22.784 ug/ml
21) T n-Octatriacontane (C38)	20.960	1713731	22.932 ug/ml
22) T n-Tetracontane (C40)	21.926	1609869	22.733 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070225AL\
Data File : FC069355.D
Signal(s) : FID1A.ch
Acq On : 02 Jul 2025 12:53
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

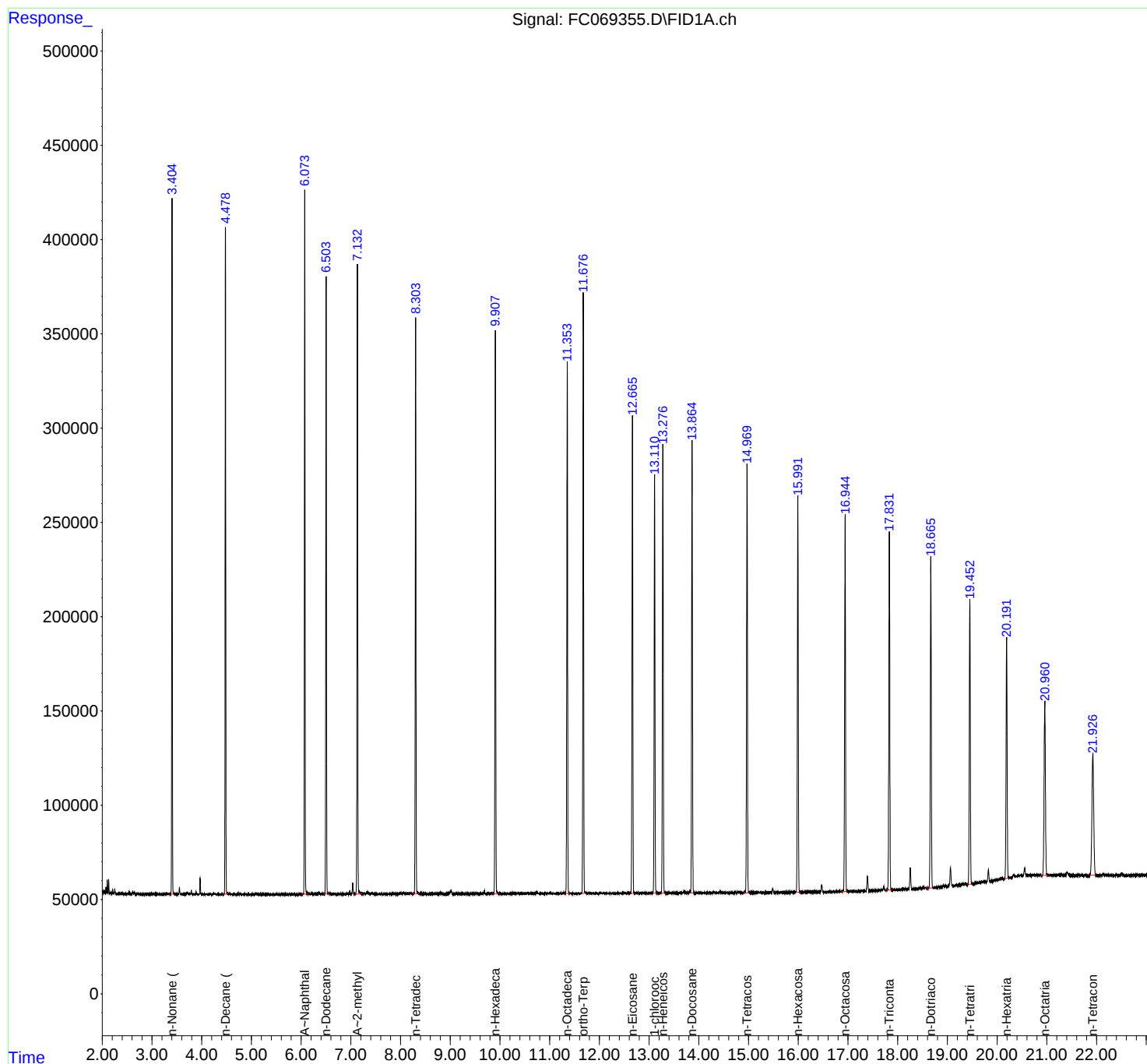
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/03/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File: autoint1.e
Quant Time: Jul 03 02:11:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



nteres

Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD
Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC07022
Data File : FC069355.D
Signal(s) : FID1A.ch
Acq On : 02 Jul 2025 12:53
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Reviewed By :Yogesh Patel 07/03/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.404	3.352	3.447	BB	368897	3034003	88.38%	4.969%
2	4.478	4.419	4.527	BB	353566	3129768	91.17%	5.126%
3	6.073	6.012	6.142	BB	374814	3432971	100.00%	5.622%
4	6.504	6.442	6.554	BB	327062	3175280	92.49%	5.200%
5	7.133	7.084	7.225	BB	334687	3325550	96.87%	5.446%
6	8.303	8.247	8.377	BB	305624	3170365	92.35%	5.192%
7	9.908	9.865	9.975	BB	299041	3254549	94.80%	5.330%
8	11.353	11.310	11.417	BB	282309	3226622	93.99%	5.284%
9	11.675	11.639	11.732	BB	317376	3412655	99.41%	5.589%
10	12.664	12.625	12.715	BB	252141	3037026	88.47%	4.974%
11	13.110	13.072	13.157	BB	221111	2590140	75.45%	4.242%
12	13.277	13.239	13.320	BB	238276	2953074	86.02%	4.836%
13	13.864	13.830	13.904	VB	240650	2907426	84.69%	4.762%
14	14.970	14.900	15.020	BB	227827	2833420	82.54%	4.640%
15	15.992	15.952	16.044	BB	208825	2690465	78.37%	4.406%
16	16.943	16.874	16.987	BB	200090	2581486	75.20%	4.228%
17	17.832	17.780	17.882	BB	189335	2566313	74.75%	4.203%
18	18.666	18.544	18.719	BB	175604	2425775	70.66%	3.973%
19	19.451	19.400	19.495	BB	149350	2173918	63.32%	3.560%
20	20.191	20.140	20.230	BB	127486	1877698	54.70%	3.075%
21	20.960	20.880	21.024	BB	92645	1713731	49.92%	2.807%
22	21.924	21.880	22.004	BB	63073	1547263	45.07%	2.534%
Sum of corrected areas:						61059496		

Aliphatic EPH 061825.M Thu Jul 03 02:39:35 2025

Continuing Calibration Report for SequenceID : FC070225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC069365.D

Aliphatic C9-C12	8532118.000	60.000	3.304	6.604	142201.967	146679.627	3.053
Aliphatic C12-C16	5790506.000	40.000	6.605	10.008	144762.650	159210.532	9.075
Aliphatic C16-C21	8092528.000	60.000	10.009	13.377	134875.467	154434.323	12.665
Aliphatic C21-C28	9462211.000	80.000	13.378	17.043	118277.638	133966.368	11.711
Aliphatic C28-C40	10961952.000	120.000	17.044	22.026	91349.600	92124.417	0.841
Aliphatic EPH	42839315.000	360.000	3.304	22.026	118998.097	128354.160	7.289

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	03 Jul 2025 00:37
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069365.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.304	6.604	8532118.000	60.000	ug/ml
Aliphatic C12-C16	6.605	10.008	5790506.000	40.000	ug/ml
Aliphatic C16-C21	10.009	13.377	8092528.000	60.000	ug/ml
Aliphatic C21-C28	13.378	17.043	9462211.000	80.000	ug/ml
Aliphatic C28-C40	17.044	22.026	10961952.000	120.000	ug/ml
Aliphatic EPH	3.304	22.026	42839315.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070225AL\
 Data File : FC069365.D
 Signal(s) : FID1A.ch
 Acq On : 03 Jul 2025 00:37
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Jul 03 02:13:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 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)	11.678	2974393	17.217 ug/ml
Spiked Amount 50.000		Recovery =	34.43%
12) S 1-chlorooctadecane (S...	13.113	2257958	17.284 ug/ml
Spiked Amount 50.000		Recovery =	34.57%
Target Compounds			
1) T n-Nonane (C9)	3.408	2764788	19.440 ug/ml
2) T n-Decane (C10)	4.480	2862199	19.551 ug/ml
3) T A~Naphthalene (C11.7)	6.076	3114852	19.360 ug/ml
4) T n-Dodecane (C12)	6.506	2905131	19.185 ug/ml
5) T A~2-methylnaphthalene...	7.136	3001447	18.967 ug/ml
6) T n-Tetradecane (C14)	8.305	2872402	18.531 ug/ml
7) T n-Hexadecane (C16)	9.909	2918104	17.857 ug/ml
8) T n-Octadecane (C18)	11.354	2860424	17.520 ug/ml
10) T n-Eicosane (C20)	12.666	2661549	17.437 ug/ml
11) T n-Heneicosane (C21)	13.280	2570555	17.440 ug/ml
13) T n-Docosane (C22)	13.867	2517156	17.495 ug/ml
14) T n-Tetracosane (C24)	14.972	2429545	17.614 ug/ml
15) T n-Hexacosane (C26)	15.995	2305151	17.634 ug/ml
16) T n-Octacosane (C28)	16.946	2210359	17.923 ug/ml
17) T n-Tricontane (C30)	17.836	2225642	18.721 ug/ml
18) T n-Dotriacontane (C32)	18.670	2129321	19.475 ug/ml
19) T n-Tetratriacontane (C34)	19.456	1939815	20.088 ug/ml
20) T n-Hexatriacontane (C36)	20.196	1695461	20.573 ug/ml
21) T n-Octatriacontane (C38)	20.964	1543749	20.658 ug/ml
22) T n-Tetracontane (C40)	21.933	1427964	20.164 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070225AL\
 Data File : FC069365.D
 Signal(s) : FID1A.ch
 Acq On : 03 Jul 2025 00:37
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.408	3.377	3.454	BB	334646	2764788	88.76%	5.102%
2	4.480	4.440	4.527	BB	317818	2862199	91.89%	5.282%
3	6.076	6.045	6.137	BB	335852	3114852	100.00%	5.748%
4	6.506	6.459	6.547	BB	289729	2905131	93.27%	5.361%
5	7.136	7.095	7.224	BB	308657	3001447	96.36%	5.539%
6	8.305	8.270	8.369	BB	277900	2872402	92.22%	5.301%
7	9.909	9.865	9.980	BB	274367	2918104	93.68%	5.385%
8	11.354	11.310	11.410	BB	246968	2860424	91.83%	5.279%
9	11.678	11.627	11.734	BB	278583	2974393	95.49%	5.489%
10	12.666	12.627	12.717	BB	230350	2661549	85.45%	4.912%
11	13.113	13.077	13.150	BB	192589	2257958	72.49%	4.167%
12	13.280	13.215	13.315	BB	222773	2570555	82.53%	4.744%
13	13.867	13.832	13.907	VB	207815	2517156	80.81%	4.645%
14	14.972	14.892	15.030	BB	196967	2429545	78.00%	4.484%
15	15.995	15.925	16.050	BB	177624	2305151	74.01%	4.254%
16	16.946	16.859	16.982	BB	167213	2210359	70.96%	4.079%
17	17.836	17.780	17.889	BB	163711	2225642	71.45%	4.107%
18	18.670	18.545	18.710	BB	156994	2129321	68.36%	3.930%
19	19.456	19.400	19.499	BV	136772	1939815	62.28%	3.580%
20	20.196	20.140	20.234	BV	115849	1695461	54.43%	3.129%
21	20.964	20.887	21.032	BV	82324	1543749	49.56%	2.849%
22	21.933	21.880	21.994	BV	61427	1427964	45.84%	2.635%
Sum of corrected areas:							54187962	

Aliphatic EPH 061825.M Thu Jul 03 02:44:46 2025

Continuing Calibration Report for SequenceID : FE070225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE054669.D

Aliphatic C9-C12	7469118.000	60.000	3.319	6.951	124485.300	136055.079	8.504
Aliphatic C12-C16	5215439.000	40.000	6.952	10.402	130385.975	140568.128	7.244
Aliphatic C16-C21	7671136.000	60.000	10.403	13.777	127852.267	144393.643	11.456
Aliphatic C21-C28	10947905.000	80.000	13.778	17.448	136848.813	144651.717	5.394
Aliphatic C28-C40	17483005.000	120.000	17.449	22.462	145691.708	138647.492	-5.081
Aliphatic EPH	48786603.000	360.000	3.319	22.462	135518.342	140720.791	3.697

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	02 Jul 2025 12:08
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054669.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.319	6.951	7469118.000	60.000	ug/ml
Aliphatic C12-C16	6.952	10.402	5215439.000	40.000	ug/ml
Aliphatic C16-C21	10.403	13.777	7671136.000	60.000	ug/ml
Aliphatic C21-C28	13.778	17.448	10947905.000	80.000	ug/ml
Aliphatic C28-C40	17.449	22.462	17483005.000	120.000	ug/ml
Aliphatic EPH	3.319	22.462	48786603.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
 Data File : FE054669.D
 Signal(s) : FID1B.ch
 Acq On : 02 Jul 2025 12:08
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Jul 03 05:09:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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	3124130	19.238 ug/ml
Spiked Amount 50.000		Recovery =	38.48%
12) S 1-chlorooctadecane (S...	13.513	2352072	18.624 ug/ml
Spiked Amount 50.000		Recovery =	37.25%
Target Compounds			
1) T n-Nonane (C9)	3.421	2365388	17.585 ug/ml
2) T n-Decane (C10)	4.677	2514210	18.426 ug/ml
3) T A~Naphthalene (C11.7)	6.392	2802264	18.507 ug/ml
4) T n-Dodecane (C12)	6.851	2589520	18.873 ug/ml
5) T A~2-methylnaphthalene...	7.492	2812749	19.134 ug/ml
6) T n-Tetradecane (C14)	8.688	2609126	18.821 ug/ml
7) T n-Hexadecane (C16)	10.302	2606313	18.289 ug/ml
8) T n-Octadecane (C18)	11.751	2603676	17.766 ug/ml
10) T n-Eicosane (C20)	13.065	2566874	17.851 ug/ml
11) T n-Heneicosane (C21)	13.679	2500586	17.507 ug/ml
13) T n-Docosane (C22)	14.267	2570946	18.005 ug/ml
14) T n-Tetracosane (C24)	15.373	2689643	18.503 ug/ml
15) T n-Hexacosane (C26)	16.396	2777885	19.196 ug/ml
16) T n-Octacosane (C28)	17.348	2909431	19.963 ug/ml
17) T n-Tricontane (C30)	18.237	3174827	20.147 ug/ml
18) T n-Dotriacontane (C32)	19.072	3160325	19.534 ug/ml
19) T n-Tetratriacontane (C34)	19.857	2870404	18.836 ug/ml
20) T n-Hexatriacontane (C36)	20.597	2841387	21.133 ug/ml
21) T n-Octatriacontane (C38)	21.373	2753287	23.475 ug/ml
22) T n-Tetracontane (C40)	22.363	2682775	24.752 ug/ml

(f)=RT Delta > 1/2 Window

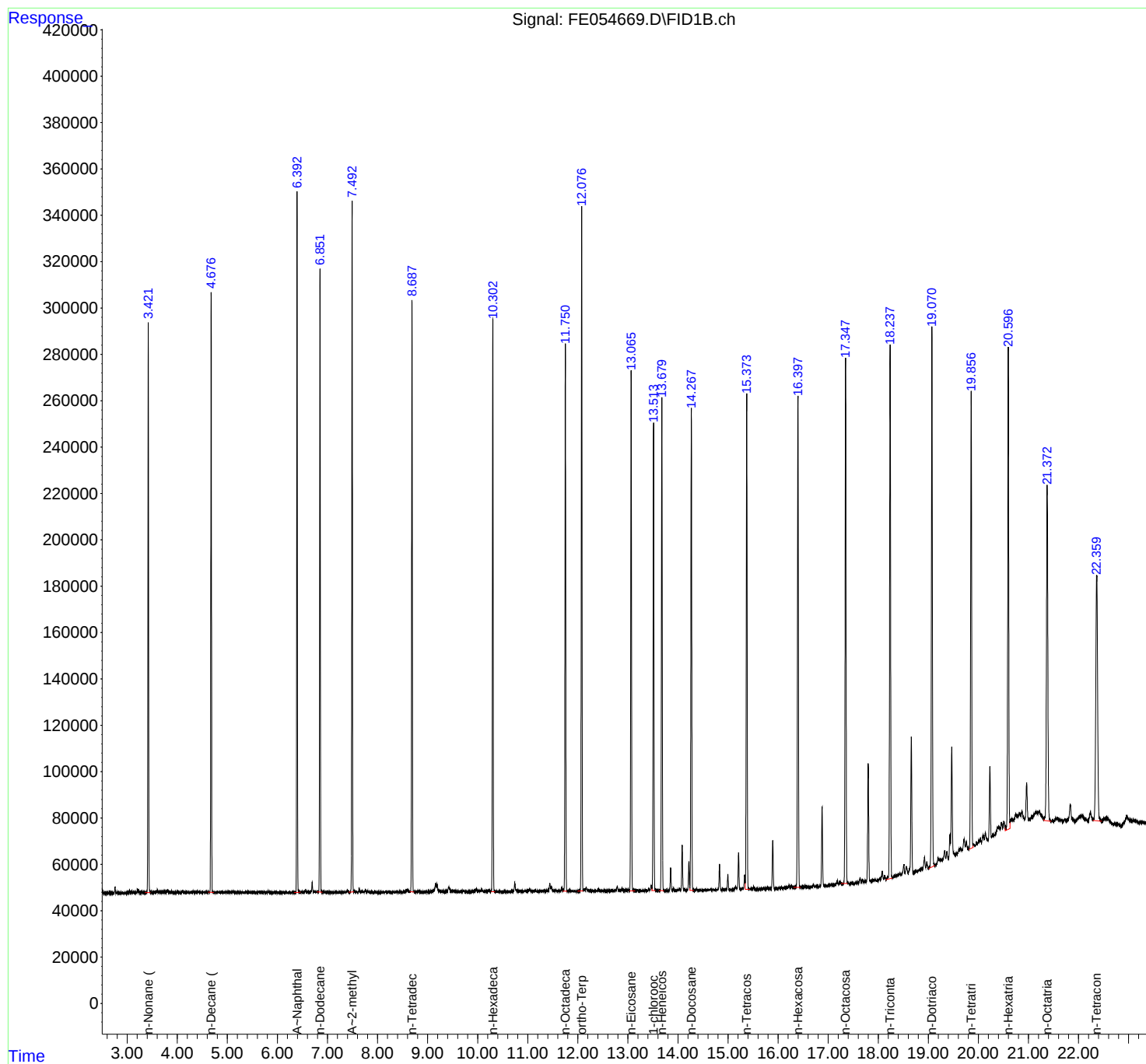
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
Data File : FE054669.D
Signal(s) : FID1B.ch
Acq On : 02 Jul 2025 12:08
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Jul 03 05:09:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 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\FE070225AL\
 Data File : FE054669.D
 Signal(s) : FID1B.ch
 Acq On : 02 Jul 2025 12:08
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.421	3.354	3.465	BV	244808	2365388	74.50%	3.950%
2	4.677	4.620	4.730	BB	258566	2514210	79.19%	4.199%
3	6.392	6.337	6.462	BB	302523	2802264	88.27%	4.680%
4	6.851	6.794	6.900	BB	268803	2589520	81.56%	4.325%
5	7.493	7.425	7.522	BV	298353	2812749	88.60%	4.697%
6	8.688	8.645	8.734	BB	254755	2609126	82.18%	4.357%
7	10.302	10.267	10.347	BB	246746	2606313	82.09%	4.353%
8	11.751	11.705	11.787	VB	236115	2603676	82.01%	4.348%
9	12.076	12.000	12.107	BV	295540	3124130	98.40%	5.218%
10	13.065	13.030	13.144	PB	225032	2566874	80.85%	4.287%
11	13.513	13.481	13.550	VB	200253	2352072	74.09%	3.928%
12	13.679	13.620	13.719	BB	211001	2500586	78.76%	4.176%
13	14.267	14.237	14.314	VB	207334	2570946	80.98%	4.294%
14	15.373	15.343	15.427	VB	214664	2689643	84.72%	4.492%
15	16.396	16.305	16.444	BB	211894	2777885	87.50%	4.639%
16	17.348	17.262	17.384	BV	224726	2909431	91.64%	4.859%
17	18.237	18.155	18.277	PV	230004	3174827	100.00%	5.302%
18	19.072	19.010	19.134	PV	230611	3160325	99.54%	5.278%
19	19.857	19.809	19.892	PV	197316	2870404	90.41%	4.794%
20	20.597	20.535	20.631	VV	204961	2841387	89.50%	4.745%
21	21.373	21.307	21.455	VV	142274	2753287	86.72%	4.598%
22	22.363	22.290	22.462	VV	104153	2682775	84.50%	4.480%
Sum of corrected areas:							59877817	

Aliphatic EPH 062725.M Thu Jul 03 05:34:07 2025

Continuing Calibration Report for SequenceID : FE070225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE054681.D

Aliphatic C9-C12	9050829.000	60.000	3.319	6.951	150847.150	136055.079	-10.872
Aliphatic C12-C16	6254036.000	40.000	6.952	10.402	156350.900	140568.128	-11.228
Aliphatic C16-C21	9238520.000	60.000	10.403	13.777	153975.333	144393.643	-6.636
Aliphatic C21-C28	12968372.000	80.000	13.778	17.448	162104.650	144651.717	-12.065
Aliphatic C28-C40	16599930.000	120.000	17.449	22.462	138332.750	138647.492	0.227
Aliphatic EPH	54111687.000	360.000	3.319	22.462	150310.242	140720.791	-6.815

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	02 Jul 2025 22:55
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054681.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.319	6.951	9050829.000	60.000	ug/ml
Aliphatic C12-C16	6.952	10.402	6254036.000	40.000	ug/ml
Aliphatic C16-C21	10.403	13.777	9238520.000	60.000	ug/ml
Aliphatic C21-C28	13.778	17.448	12968372.000	80.000	ug/ml
Aliphatic C28-C40	17.449	22.462	16599930.000	120.000	ug/ml
Aliphatic EPH	3.319	22.462	54111687.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
 Data File : FE054681.D
 Signal(s) : FID1B.ch
 Acq On : 02 Jul 2025 22:55
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Jul 03 05:12:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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	3424138	21.085 ug/ml
Spiked Amount 50.000		Recovery =	42.17%
12) S 1-chlorooctadecane (S...	13.511	2627735	20.807 ug/ml
Spiked Amount 50.000		Recovery =	41.61%
Target Compounds			
1) T n-Nonane (C9)	3.421	2929942	21.783 ug/ml
2) T n-Decane (C10)	4.676	3035694	22.248 ug/ml
3) T A~Naphthalene (C11.7)	6.391	3350600	22.129 ug/ml
4) T n-Dodecane (C12)	6.850	3085193	22.486 ug/ml
5) T A~2-methylnaphthalene...	7.491	3259662	22.174 ug/ml
6) T n-Tetradecane (C14)	8.686	3090559	22.294 ug/ml
7) T n-Hexadecane (C16)	10.300	3163477	22.198 ug/ml
8) T n-Octadecane (C18)	11.749	3182929	21.718 ug/ml
10) T n-Eicosane (C20)	13.064	3076235	21.393 ug/ml
11) T n-Heneicosane (C21)	13.678	2979356	20.859 ug/ml
13) T n-Docosane (C22)	14.265	3080622	21.575 ug/ml
14) T n-Tetracosane (C24)	15.372	3222898	22.171 ug/ml
15) T n-Hexacosane (C26)	16.395	3305483	22.841 ug/ml
16) T n-Octacosane (C28)	17.347	3359369	23.051 ug/ml
17) T n-Tricontane (C30)	18.236	3438858	21.822 ug/ml
18) T n-Dotriacontane (C32)	19.070	3241467	20.035 ug/ml
19) T n-Tetratriacontane (C34)	19.854	2861419	18.777 ug/ml
20) T n-Hexatriacontane (C36)	20.594	2472518	18.389 ug/ml
21) T n-Octatriacontane (C38)	21.372	2332934	19.891 ug/ml
22) T n-Tetracontane (C40)	22.360	2252734	20.785 ug/ml

(f)=RT Delta > 1/2 Window

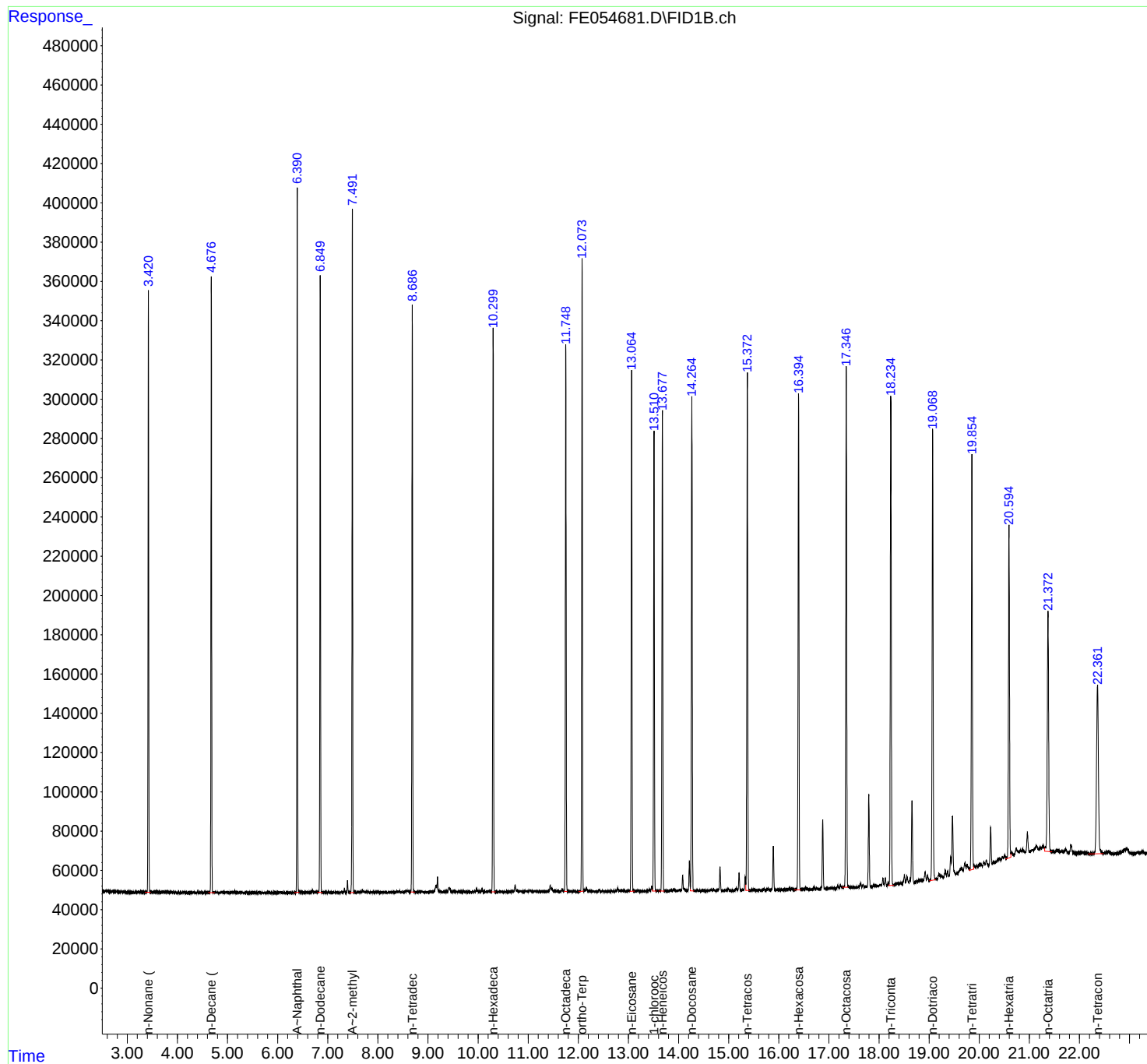
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070225AL\
Data File : FE054681.D
Signal(s) : FID1B.ch
Acq On : 02 Jul 2025 22:55
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Jul 03 05:12:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 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\FE070225AL\
 Data File : FE054681.D
 Signal(s) : FID1B.ch
 Acq On : 02 Jul 2025 22:55
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.421	3.359	3.467	BB	306350	2929942	85.20%	4.388%
2	4.676	4.620	4.740	BB	313022	3035694	88.28%	4.546%
3	6.391	6.329	6.429	BV	358144	3350600	97.43%	5.018%
4	6.850	6.794	6.894	BB	313596	3085193	89.72%	4.620%
5	7.491	7.442	7.527	BB	346779	3259662	94.79%	4.882%
6	8.686	8.652	8.734	BB	298590	3090559	89.87%	4.628%
7	10.300	10.262	10.350	BB	286435	3163477	91.99%	4.738%
8	11.749	11.715	11.782	BB	278445	3182929	92.56%	4.767%
9	12.075	12.009	12.104	BV	320853	3424138	99.57%	5.128%
10	13.064	13.029	13.125	PB	264314	3076235	89.46%	4.607%
11	13.511	13.480	13.567	VB	234383	2627735	76.41%	3.935%
12	13.678	13.600	13.719	BB	244580	2979356	86.64%	4.462%
13	14.265	14.235	14.307	VB	251620	3080622	89.58%	4.614%
14	15.372	15.342	15.422	VB	262440	3222898	93.72%	4.827%
15	16.395	16.314	16.440	BB	251723	3305483	96.12%	4.950%
16	17.347	17.262	17.382	BV	265531	3359369	97.69%	5.031%
17	18.236	18.200	18.295	VV	248959	3438858	100.00%	5.150%
18	19.070	19.007	19.134	PV	228535	3241467	94.26%	4.854%
19	19.854	19.807	19.890	VV	210527	2861419	83.21%	4.285%
20	20.594	20.534	20.630	VV	169635	2472518	71.90%	3.703%
21	21.372	21.305	21.455	VV	122413	2332934	67.84%	3.494%
22	22.360	22.182	22.480	BV	85312	2252734	65.51%	3.374%
Sum of corrected areas:							66773819	

Aliphatic EPH 062725.M Thu Jul 03 05:35:24 2025

Continuing Calibration Report for SequenceID : FE070725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE054697.D

Aliphatic C9-C12	8436858.000	60.000	3.322	6.953	140614.300	136055.079	-3.351
Aliphatic C12-C16	5862431.000	40.000	6.954	10.404	146560.775	140568.128	-4.263
Aliphatic C16-C21	8611042.000	60.000	10.405	13.782	143517.367	144393.643	0.607
Aliphatic C21-C28	12023334.000	80.000	13.783	17.452	150291.675	144651.717	-3.899
Aliphatic C28-C40	15889507.000	120.000	17.453	22.469	132412.558	138647.492	4.497
Aliphatic EPH	50823172.000	360.000	3.322	22.469	141175.478	140720.791	-0.323

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	07 Jul 2025 09:47
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054697.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.322	6.953	8436858.000	60.000	ug/ml
Aliphatic C12-C16	6.954	10.404	5862431.000	40.000	ug/ml
Aliphatic C16-C21	10.405	13.782	8611042.000	60.000	ug/ml
Aliphatic C21-C28	13.783	17.452	12023334.000	80.000	ug/ml
Aliphatic C28-C40	17.453	22.469	15889507.000	120.000	ug/ml
Aliphatic EPH	3.322	22.469	50823172.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054697.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jul 2025 09:47
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/07/2025
 Supervised By :mohammad ahmed 07/08/2025

Integration File: sample.E
 Quant Time: Jul 07 11:20:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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	3208876	19.760 ug/ml
Spiked Amount 50.000		Recovery =	39.52%
12) S 1-chlorooctadecane (S...	13.515	2381190	18.854 ug/ml
Spiked Amount 50.000		Recovery =	37.71%
Target Compounds			
1) T n-Nonane (C9)	3.422	2729142	20.290 ug/ml
2) T n-Decane (C10)	4.678	2828603	20.730 ug/ml
3) T A~Naphthalene (C11.7)	6.395	3133960	20.698 ug/ml
4) T n-Dodecane (C12)	6.853	2879113	20.984 ug/ml
5) T A~2-methylnaphthalene...	7.495	3044555	20.711 ug/ml
6) T n-Tetradecane (C14)	8.690	2902323	20.936 ug/ml
7) T n-Hexadecane (C16)	10.304	2960108	20.771 ug/ml
8) T n-Octadecane (C18)	11.753	2980407	20.336 ug/ml
10) T n-Eicosane (C20)	13.068	2865270	19.926 ug/ml
11) T n-Heneicosane (C21)	13.682	2765365	19.361 ug/ml
13) T n-Docosane (C22)	14.270	2855860	20.001 ug/ml
14) T n-Tetracosane (C24)	15.376	2975372	20.468 ug/mlm
15) T n-Hexacosane (C26)	16.400	3053493	21.100 ug/ml
16) T n-Octacosane (C28)	17.352	3138609	21.536 ug/ml
17) T n-Tricontane (C30)	18.240	3225622	20.469 ug/ml
18) T n-Dotriacontane (C32)	19.074	3077699	19.023 ug/ml
19) T n-Tetratriacontane (C34)	19.858	2655778	17.427 ug/ml
20) T n-Hexatriacontane (C36)	20.599	2302325	17.123 ug/mlm
21) T n-Octatriacontane (C38)	21.379	2320396	19.784 ug/ml
22) T n-Tetracontane (C40)	22.369	2307687	21.292 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054697.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 09:47
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

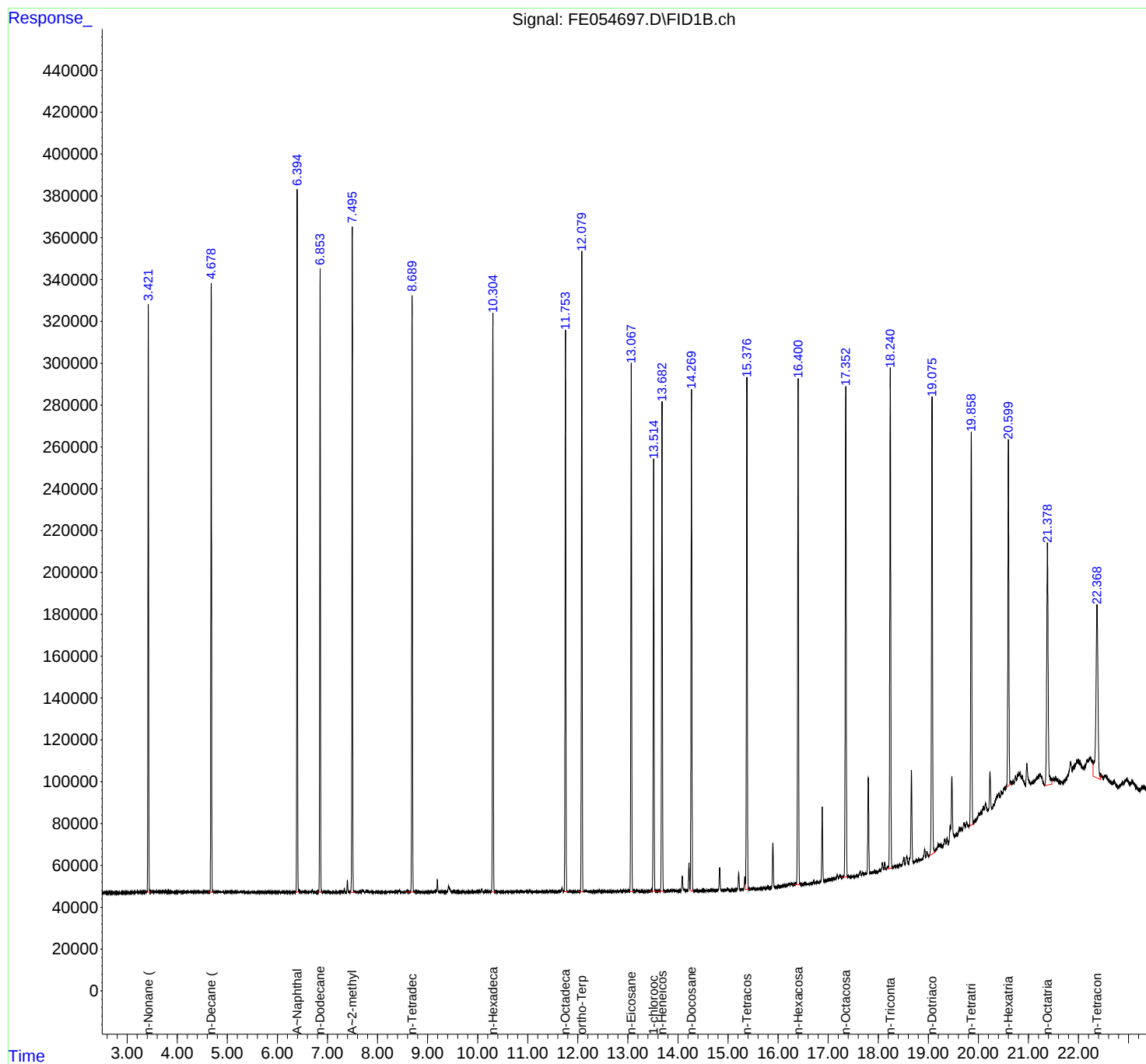
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/07/2025
Supervised By :mohammad ahmed 07/08/2025

Integration File: sample.E
Quant Time: Jul 07 11:20:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 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

Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/07/2025
Supervised By :mohammad ahmed 07/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE07072
Data File : FE054697.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 09:47
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.422	3.384	3.470	BB	280908	2729142	84.61%	4.336%
2	4.678	4.620	4.735	BB	291189	2828603	87.69%	4.494%
3	6.395	6.359	6.432	BV	337229	3133960	97.16%	4.980%
4	6.853	6.797	6.897	BB	298055	2879113	89.26%	4.575%
5	7.495	7.452	7.562	BB	318483	3044555	94.39%	4.838%
6	8.690	8.559	8.735	BB	284495	2902323	89.98%	4.612%
7	10.304	10.267	10.355	BB	275330	2960108	91.77%	4.703%
8	11.753	11.714	11.807	VB	269106	2980407	92.40%	4.736%
9	12.079	12.010	12.117	BB	305210	3208876	99.48%	5.099%
10	13.068	13.034	13.124	PB	251195	2865270	88.83%	4.553%
11	13.515	13.429	13.575	BB	206753	2381190	73.82%	3.784%
12	13.682	13.590	13.727	BB	234066	2765365	85.73%	4.394%
13	14.270	14.240	14.307	VB	239869	2855860	88.54%	4.538%
14	15.377	15.346	15.419	VB	245177	2978199	92.33%	4.732%
15	16.400	16.312	16.444	BB	242128	3053493	94.66%	4.852%
16	17.352	17.262	17.387	BV	234826	3138609	97.30%	4.987%
17	18.240	18.201	18.282	VB	238202	3225622	100.00%	5.125%
18	19.074	19.004	19.125	PV	213979	3077699	95.41%	4.890%
19	19.858	19.809	19.894	PV	187887	2655778	82.33%	4.220%
20	20.599	20.524	20.640	VV	169916	2643741	81.96%	4.201%
21	21.379	21.320	21.467	PV	115260	2320396	71.94%	3.687%
22	22.369	22.290	22.437	VV	82924	2307687	71.54%	3.667%
Sum of corrected areas:							62935995	

Aliphatic EPH 062725.M Mon Jul 07 11:25:14 2025

Continuing Calibration Report for SequenceID : FE070725AL

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

File ID : FE054704.D

Aliphatic C9-C12	8370943.000	60.000	3.322	6.953	139515.717	136055.079	-2.544
Aliphatic C12-C16	5771729.000	40.000	6.954	10.404	144293.225	140568.128	-2.650
Aliphatic C16-C21	8399108.000	60.000	10.405	13.782	139985.133	144393.643	3.053
Aliphatic C21-C28	11772203.000	80.000	13.783	17.452	147152.538	144651.717	-1.729
Aliphatic C28-C40	15996736.000	120.000	17.453	22.469	133306.133	138647.492	3.852
Aliphatic EPH	50310719.000	360.000	3.322	22.469	139751.997	140720.791	0.688

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	07 Jul 2025 13:58
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054704.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.322	6.953	8370943.000	60.000	ug/ml
Aliphatic C12-C16	6.954	10.404	5771729.000	40.000	ug/ml
Aliphatic C16-C21	10.405	13.782	8399108.000	60.000	ug/ml
Aliphatic C21-C28	13.783	17.452	11772203.000	80.000	ug/ml
Aliphatic C28-C40	17.453	22.469	15996736.000	120.000	ug/ml
Aliphatic EPH	3.322	22.469	50310719.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054704.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jul 2025 13:58
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/08/2025
 Supervised By :mohammad ahmed 07/08/2025

Integration File: sample.E
 Quant Time: Jul 08 03:30:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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	3119629	19.210 ug/ml
Spiked Amount 50.000		Recovery =	38.42%
12) S 1-chlorooctadecane (S...	13.516	2376877	18.820 ug/ml
Spiked Amount 50.000		Recovery =	37.64%
Target Compounds			
1) T n-Nonane (C9)	3.421	2710570	20.152 ug/ml
2) T n-Decane (C10)	4.678	2807170	20.573 ug/ml
3) T A~Naphthalene (C11.7)	6.395	3095904	20.447 ug/ml
4) T n-Dodecane (C12)	6.853	2853203	20.795 ug/ml
5) T A~2-methylnaphthalene...	7.496	3004462	20.438 ug/ml
6) T n-Tetradecane (C14)	8.690	2861351	20.641 ug/ml
7) T n-Hexadecane (C16)	10.305	2910378	20.422 ug/ml
8) T n-Octadecane (C18)	11.754	2908655	19.847 ug/ml
10) T n-Eicosane (C20)	13.068	2793536	19.427 ug/ml
11) T n-Heneicosane (C21)	13.682	2696917	18.882 ug/ml
13) T n-Docosane (C22)	14.270	2782788	19.489 ug/ml
14) T n-Tetracosane (C24)	15.376	2913453	20.042 ug/mlm
15) T n-Hexacosane (C26)	16.400	2989358	20.657 ug/ml
16) T n-Octacosane (C28)	17.352	3086604	21.179 ug/ml
17) T n-Tricontane (C30)	18.241	3251436	20.633 ug/ml
18) T n-Dotriacontane (C32)	19.076	3086003	19.075 ug/ml
19) T n-Tetratriacontane (C34)	19.859	2713915	17.809 ug/ml
20) T n-Hexatriacontane (C36)	20.600	2448980	18.214 ug/mlm
21) T n-Octatriacontane (C38)	21.381	2317838	19.763 ug/mlm
22) T n-Tetracontane (C40)	22.372	2178564	20.100 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

rters

Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE07072
Data File : FE054704.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 13:58
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.421	3.369	3.464	BB	281343	2710570	83.37%	4.265%
2	4.678	4.620	4.737	BB	291374	2807170	86.34%	4.417%
3	6.395	6.332	6.432	BV	328393	3095904	95.22%	4.871%
4	6.853	6.799	6.887	BB	289131	2853203	87.75%	4.489%
5	7.496	7.449	7.545	BB	307288	3004462	92.40%	4.727%
6	8.690	8.620	8.732	BB	279430	2861351	88.00%	4.502%
7	10.305	10.182	10.357	BB	274295	2910378	89.51%	4.579%
8	11.754	11.717	11.804	BB	259061	2908655	89.46%	4.576%
9	12.079	12.020	12.124	BB	287238	3119629	95.95%	4.908%
10	13.068	13.032	13.137	PB	240095	2793536	85.92%	4.395%
11	13.516	13.389	13.572	BB	204608	2376877	73.10%	3.740%
12	13.682	13.587	13.739	BB	227814	2696917	82.95%	4.243%
13	14.270	14.240	14.317	VB	232522	2782788	85.59%	4.378%
14	15.377	15.347	15.432	VB	230500	2908610	89.46%	4.576%
15	16.400	16.319	16.447	BB	238044	2989358	91.94%	4.703%
16	17.352	17.262	17.387	BV	238584	3086604	94.93%	4.856%
17	18.241	18.160	18.297	VV	234636	3251436	100.00%	5.116%
18	19.076	19.002	19.132	PV	217672	3086003	94.91%	4.855%
19	19.859	19.814	19.896	BV	193177	2713915	83.47%	4.270%
20	20.601	20.320	20.660	BV	173001	3072950	94.51%	4.835%
21	21.381	21.314	21.499	VV	130345	3145301	96.74%	4.949%
22	22.371	22.307	22.460	VV	83665	2382628	73.28%	3.749%
Sum of corrected areas:						63558245		

Aliphatic EPH 062725.M Tue Jul 08 04:55:58 2025



QC SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	PB168702BL	SDG No.:	Q2480
Lab Sample ID:	PB168702BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 16:50	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FC069356.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FC069356.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg	
Total EPH	Total EPH	2.09	U		2.09	6.00	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	PB168702BL	SDG No.:	Q2480
Lab Sample ID:	PB168702BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069356.D	1	07/02/25	07/02/25	PB168702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.5		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.3		40 - 140	69%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168702BL	Acq On:	02 Jul 2025 16:50
Client Sample ID:	PB168702BL	Operator:	YP/AJ
Data file:	FC069356.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.304	6.604	0	0	300	ug/ml
Aliphatic C12-C16	6.605	10.008	0	0	200	ug/ml
Aliphatic C16-C21	10.009	13.377	0	0	300	ug/ml
Aliphatic C21-C28	13.378	17.043	0	0	400	ug/ml
Aliphatic C28-C40	17.044	22.026	0	0	600	ug/ml
Aliphatic EPH	3.304	22.026	0	0		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	5930322	34.33		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	4638335	35.5		ug/ml
Aliphatic C9-C28	3.304	17.043	0	0	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070225AL\
 Data File : FC069356.D
 Signal(s) : FID1A.ch
 Acq On : 02 Jul 2025 16:50
 Operator : YP/AJ
 Sample : PB168702BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB168702BL

Integration File: autoint1.e
 Quant Time: Jul 03 02:11:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 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)	11.678	5930322	34.327 ug/ml
Spiked Amount 50.000		Recovery =	68.65%
12) S 1-chlorooctadecane (S...	13.113	4638335	35.504 ug/ml
Spiked Amount 50.000		Recovery =	71.01%

Target Compounds

(f)=RT Delta > 1/2 Window

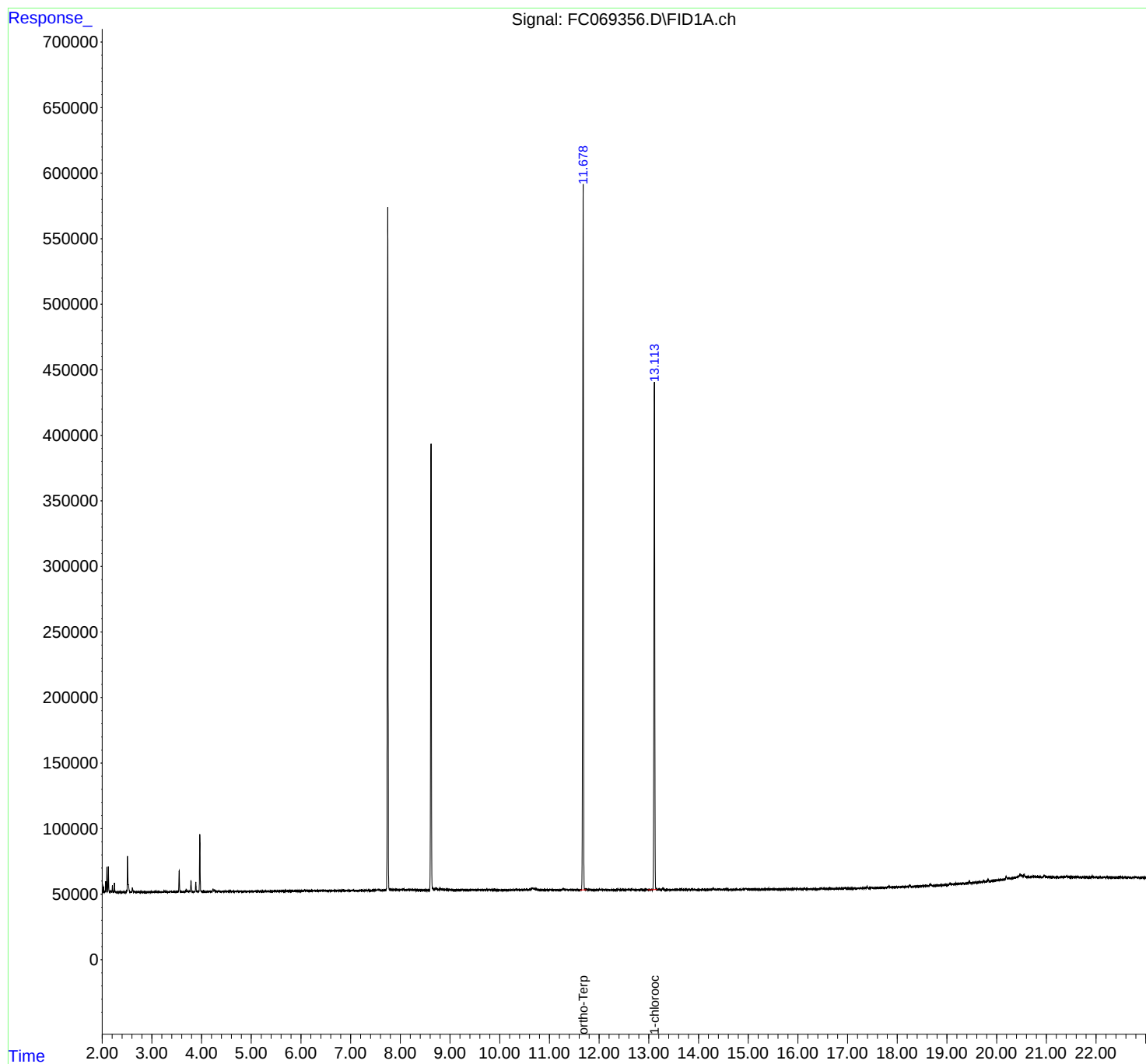
(m)=manual int.

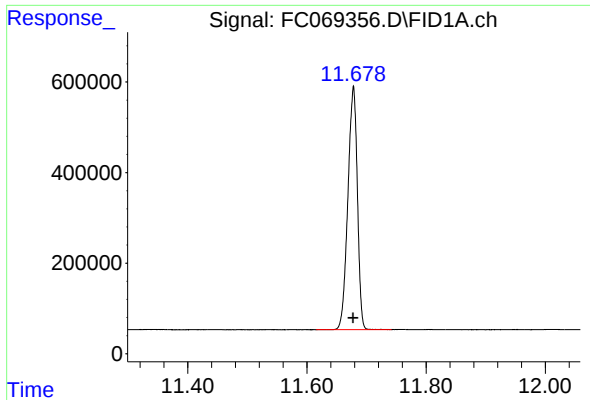
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070225AL\
Data File : FC069356.D
Signal(s) : FID1A.ch
Acq On : 02 Jul 2025 16:50
Operator : YP/AJ
Sample : PB168702BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168702BL

Integration File: autoint1.e
Quant Time: Jul 03 02:11:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

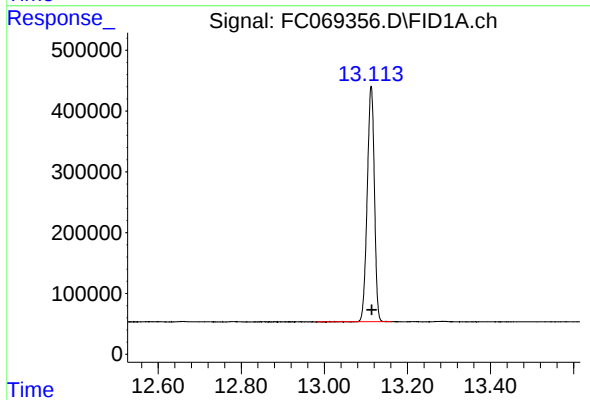




#9 ortho-Terphenyl (SURR)

R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 5930322
Conc: 34.33 ug/ml

Instrument :
FID_C
ClientSampleId :
PB168702BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.002 min
Response: 4638335
Conc: 35.50 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070225AL\
Data File : FC069356.D
Signal(s) : FID1A.ch
Acq On : 02 Jul 2025 16:50
Sample : PB168702BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	11.678	11.615	11.742	BB	532425	5930322	100.00%	56.112%
2	13.113	12.980	13.162	BB	388000	4638335	78.21%	43.888%
Sum of corrected areas:							10568657	

Aliphatic EPH 061825.M Thu Jul 03 02:39:58 2025

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	PB168702BS	SDG No.:	Q2480
Lab Sample ID:	PB168702BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 17:37	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	31.7		1	1.18	2.00	mg/kg	FC069357.D
Aliphatic C9-C28	Aliphatic C9-C28	74.6		1	0.91	3.99	mg/kg	FC069357.D
Total AliphaticEPH	Total AliphaticEPH	106			2.09	5.99	mg/kg	
Total EPH	Total EPH	106			2.09	5.99	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	PB168702BS	SDG No.:	Q2480
Lab Sample ID:	PB168702BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069357.D	1	07/02/25	07/02/25	PB168702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	74.6		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.0		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.6		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168702BS	Acq On:	02 Jul 2025 17:37
Client Sample ID:	PB168702BS	Operator:	YP/AJ
Data file:	FC069357.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.304	6.604	29348261	200.084	300	ug/ml
Aliphatic C12-C16	6.605	10.008	40997760	257.507	200	ug/ml
Aliphatic C16-C21	10.009	13.377	45243714	292.964	300	ug/ml
Aliphatic C21-C28	13.378	17.043	49679919	370.839	400	ug/ml
Aliphatic C28-C40	17.044	22.026	43887253	476.391	600	ug/ml
Aliphatic EPH	3.304	22.026	209156907	1600		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	6323173	36.6		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	4959307	37.96		ug/ml
Aliphatic C9-C28	3.304	17.043	165269654	1120	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070225AL\
 Data File : FC069357.D
 Signal(s) : FID1A.ch
 Acq On : 02 Jul 2025 17:37
 Operator : YP/AJ
 Sample : PB168702BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB168702BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/03/2025
 Supervised By :mohammad ahmed 07/04/2025

Integration File: autoint1.e
 Quant Time: Jul 03 02:11:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 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)	11.678	6323173	36.601 ug/ml
Spiked Amount 50.000		Recovery =	73.20%
12) S 1-chlorooctadecane (S...	13.113	4959307	37.961 ug/ml
Spiked Amount 50.000		Recovery =	75.92%
Target Compounds			
1) T n-Nonane (C9)	3.416	5128019	36.057 ug/ml
2) T n-Decane (C10)	4.484	5430472	37.095 ug/ml
3) T A~Naphthalene (C11.7)	6.076	6793488	42.223 ug/ml
4) T n-Dodecane (C12)	6.506	5795356	38.272 ug/ml
5) T A~2-methylnaphthalene...	7.135	6559443	41.450 ug/ml
6) T n-Tetradecane (C14)	8.307	6204330	40.027 ug/ml
7) T n-Hexadecane (C16)	9.910	6427157	39.330 ug/ml
8) T n-Octadecane (C18)	11.356	6337285	38.815 ug/ml
10) T n-Eicosane (C20)	12.668	6329060	41.464 ug/ml
11) T n-Heneicosane (C21)	13.281	5976266	40.547 ug/ml
13) T n-Docosane (C22)	13.868	5822204	40.465 ug/ml
14) T n-Tetracosane (C24)	14.967	11360581	82.364 ug/ml
15) T n-Hexacosane (C26)	15.999	5272563	40.334 ug/ml
16) T n-Octacosane (C28)	16.947	5021471	40.716 ug/ml
17) T n-Tricontane (C30)	17.838	4866793	40.937 ug/ml
18) T n-Dotriacontane (C32)	18.670	4703571	43.019 ug/ml
19) T n-Tetratriacontane (C34)	19.455	4824256	49.958 ug/ml
20) T n-Hexatriacontane (C36)	20.197	4566616	55.412 ug/ml
21) T n-Octatriacontane (C38)	20.965	4561655	61.041 ug/ml
22) T n-Tetracontane (C40)	21.933	4397072	62.091 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070225AL\
Data File : FC069357.D
Signal(s) : FID1A.ch
Acq On : 02 Jul 2025 17:37
Operator : YP/AJ
Sample : PB168702BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

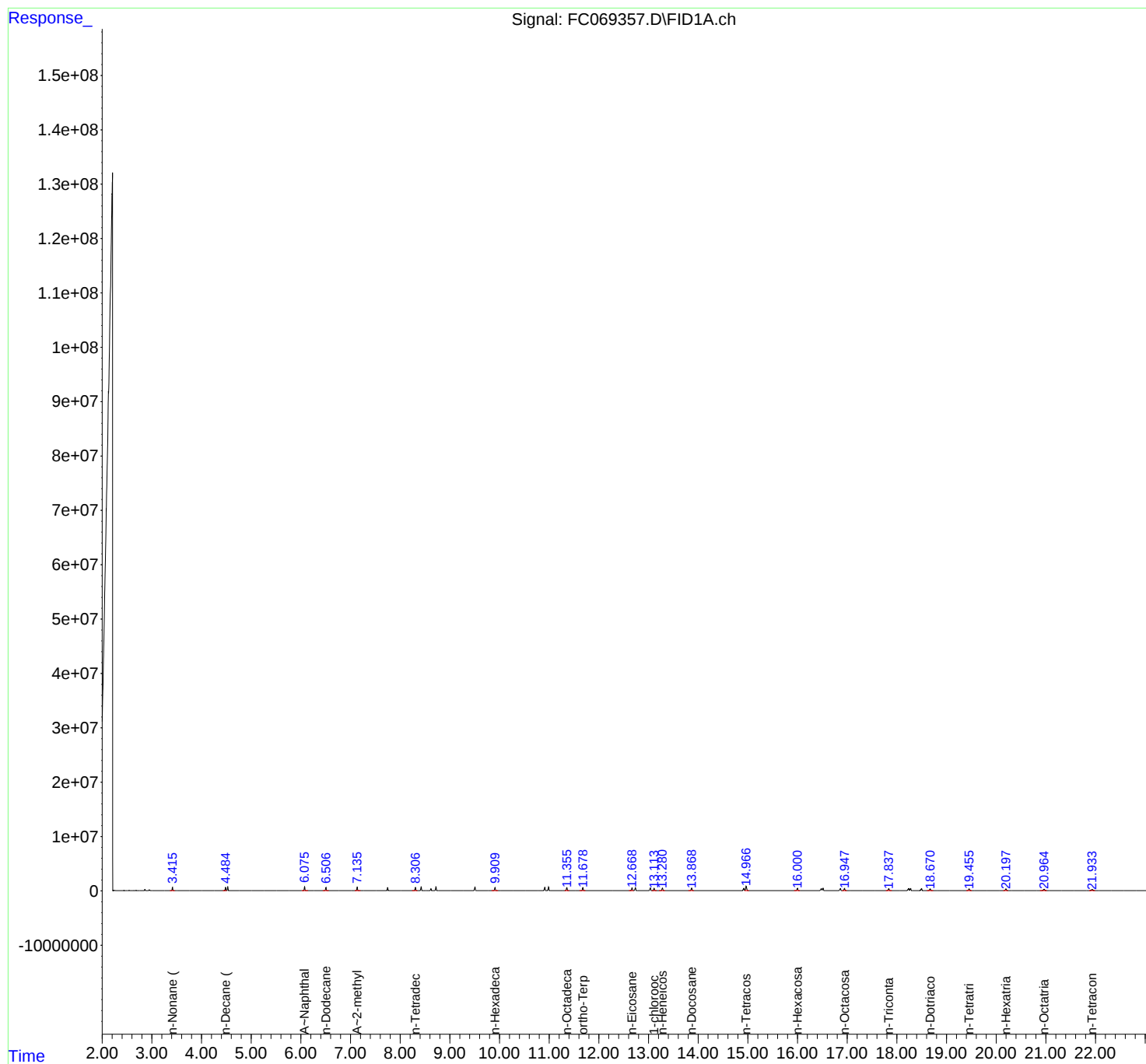
Instrument :
FID_C
ClientSampleId :
PB168702BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/03/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File: autoint1.e
Quant Time: Jul 03 02:11:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 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

Instrument :

FID_C

ClientSampleId :

PB168702BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/03/2025

Supervised By :mohammad ahmed 07/04/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC07022
Data File : FC069357.D
Signal(s) : FID1A.ch
Acq On : 02 Jul 2025 17:37
Sample : PB168702BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.416	3.363	3.460	BB	619971	5128019	45.14%	2.326%
2	4.484	4.432	4.506	BV	602076	5430472	47.80%	2.463%
3	4.528	4.506	4.571	VV	708326	6200926	54.58%	2.813%
4	6.076	6.020	6.143	BB	729351	6793488	59.80%	3.082%
5	6.506	6.442	6.562	BB	590319	5795356	51.01%	2.629%
6	7.135	7.085	7.202	BB	674706	6559443	57.74%	2.976%
7	8.307	8.240	8.347	BB	604199	6204330	54.61%	2.815%
8	8.422	8.358	8.472	BB	710252	7223581	63.58%	3.277%
9	8.721	8.680	8.762	BB	699076	7253721	63.85%	3.291%
10	9.506	9.433	9.577	BB	682680	7329528	64.52%	3.325%
11	9.910	9.842	9.972	BB	576209	6427157	56.57%	2.916%
12	10.913	10.830	10.949	BV	623086	6938504	61.08%	3.148%
13	10.989	10.949	11.040	PV	640238	6899655	60.73%	3.130%
14	11.356	11.310	11.402	BB	562254	6337285	55.78%	2.875%
15	11.678	11.610	11.730	BB	577230	6323173	55.66%	2.868%
16	12.668	12.605	12.699	BV	536921	6329060	55.71%	2.871%
17	12.737	12.699	12.783	VB	547248	6414411	56.46%	2.910%
18	13.037	12.962	13.065	BV	536920	6348533	55.88%	2.880%
19	13.113	13.065	13.167	VB	432628	4959307	43.65%	2.250%
20	13.281	13.212	13.332	BB	483954	5976266	52.61%	2.711%
21	13.868	13.802	13.912	BB	472853	5822204	51.25%	2.641%
22	14.920	14.850	14.939	BV	443453	5831750	51.33%	2.646%
23	14.967	14.939	15.023	VB	813040	11360581	100.00%	5.154%
24	15.999	15.930	16.048	BB	406694	5272563	46.41%	2.392%
25	16.480	16.402	16.496	BV	367010	5532170	48.70%	2.510%
26	16.516	16.496	16.563	VB	462481	5485749	48.29%	2.489%
27	16.864	16.787	16.898	BV	390544	5353431	47.12%	2.429%
28	16.947	16.898	16.992	VB	382334	5021471	44.20%	2.278%
29	17.838	17.780	17.897	BB	358007	4866793	42.84%	2.208%
30	18.239	18.160	18.253	BV	385822	5678741	49.99%	2.576%
31	18.277	18.253	18.340	VB	391863	5240760	46.13%	2.377%
32	18.498	18.423	18.550	BB	366429	5125555	45.12%	2.325%
33	18.670	18.605	18.732	BB	333372	4703571	41.40%	2.134%
34	19.455	19.400	19.508	BB	332595	4824256	42.46%	2.188%
35	20.197	20.140	20.238	BB	329442	4566616	40.20%	2.072%
36	20.965	20.883	21.020	BB	240288	4561655	40.15%	2.069%

37 21.934 21.880 22.027 BB 188781 4319306 38.02% 1.959%
Sum of corrected areas: 2204

Aliphatic EPH 061825.M Thu Jul 03 02:41:35 2025

Instrument :

FID_C

ClientSampleId :

PB168702BS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/03/2025

Supervised By :mohammad ahmed 07/04/2025

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	PB168702BSD	SDG No.:	Q2480
Lab Sample ID:	PB168702BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 18:27	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	31.4		1	1.18	2.00	mg/kg	FC069358.D
Aliphatic C9-C28	Aliphatic C9-C28	73.1		1	0.91	3.99	mg/kg	FC069358.D
Total AliphaticEPH	Total AliphaticEPH	105			2.09	5.99	mg/kg	
Total EPH	Total EPH	105			2.09	5.99	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	PB168702BSD	SDG No.:	Q2480
Lab Sample ID:	PB168702BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069358.D	1	07/02/25	07/02/25	PB168702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	73.1		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.4		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.1		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.5		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168702BSD	Acq On:	02 Jul 2025 18:27
Client Sample ID:	PB168702BSD	Operator:	YP/AJ
Data file:	FC069358.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.304	6.604	28591820	194.927	300	ug/ml
Aliphatic C12-C16	6.605	10.008	39639402	248.975	200	ug/ml
Aliphatic C16-C21	10.009	13.377	44162168	285.961	300	ug/ml
Aliphatic C21-C28	13.378	17.043	49042940	366.084	400	ug/ml
Aliphatic C28-C40	17.044	22.026	43457637	471.728	600	ug/ml
Aliphatic EPH	3.304	22.026	204893967	1570		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	6140865	35.55		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	4844779	37.08		ug/ml
Aliphatic C9-C28	3.304	17.043	161436330	1100	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070225AL\
 Data File : FC069358.D
 Signal(s) : FID1A.ch
 Acq On : 02 Jul 2025 18:27
 Operator : YP/AJ
 Sample : PB168702BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB168702BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/03/2025
 Supervised By :mohammad ahmed 07/04/2025

Integration File: autoint1.e
 Quant Time: Jul 03 02:11:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 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)	11.678	6140865	35.546 ug/ml
Spiked Amount 50.000		Recovery =	71.09%
12) S 1-chlorooctadecane (S...	13.114	4844779	37.084 ug/ml
Spiked Amount 50.000		Recovery =	74.17%
Target Compounds			
1) T n-Nonane (C9)	3.417	5011591	35.239 ug/ml
2) T n-Decane (C10)	4.485	5303546	36.228 ug/ml
3) T A~Naphthalene (C11.7)	6.076	6596032	40.996 ug/ml
4) T n-Dodecane (C12)	6.506	5634924	37.213 ug/ml
5) T A~2-methylnaphthalene...	7.135	6353544	40.149 ug/ml
6) T n-Tetradecane (C14)	8.307	6004455	38.737 ug/ml
7) T n-Hexadecane (C16)	9.910	6213630	38.023 ug/ml
8) T n-Octadecane (C18)	11.356	6125081	37.515 ug/ml
10) T n-Eicosane (C20)	12.668	6159761	40.355 ug/ml
11) T n-Heneicosane (C21)	13.280	5832995	39.574 ug/ml
13) T n-Docosane (C22)	13.868	5706634	39.662 ug/ml
14) T n-Tetracosane (C24)	14.966	11215399	81.312 ug/ml
15) T n-Hexacosane (C26)	15.997	5225976	39.977 ug/ml
16) T n-Octacosane (C28)	16.947	4989993	40.461 ug/ml
17) T n-Tricontane (C30)	17.838	4835214	40.672 ug/ml
18) T n-Dotriacontane (C32)	18.670	4670354	42.715 ug/ml
19) T n-Tetratriacontane (C34)	19.455	4788543	49.588 ug/ml
20) T n-Hexatriacontane (C36)	20.197	4531299	54.983 ug/ml
21) T n-Octatriacontane (C38)	20.966	4518906	60.469 ug/ml
22) T n-Tetracontane (C40)	21.932	4336898	61.242 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070225AL\
Data File : FC069358.D
Signal(s) : FID1A.ch
Acq On : 02 Jul 2025 18:27
Operator : YP/AJ
Sample : PB168702BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

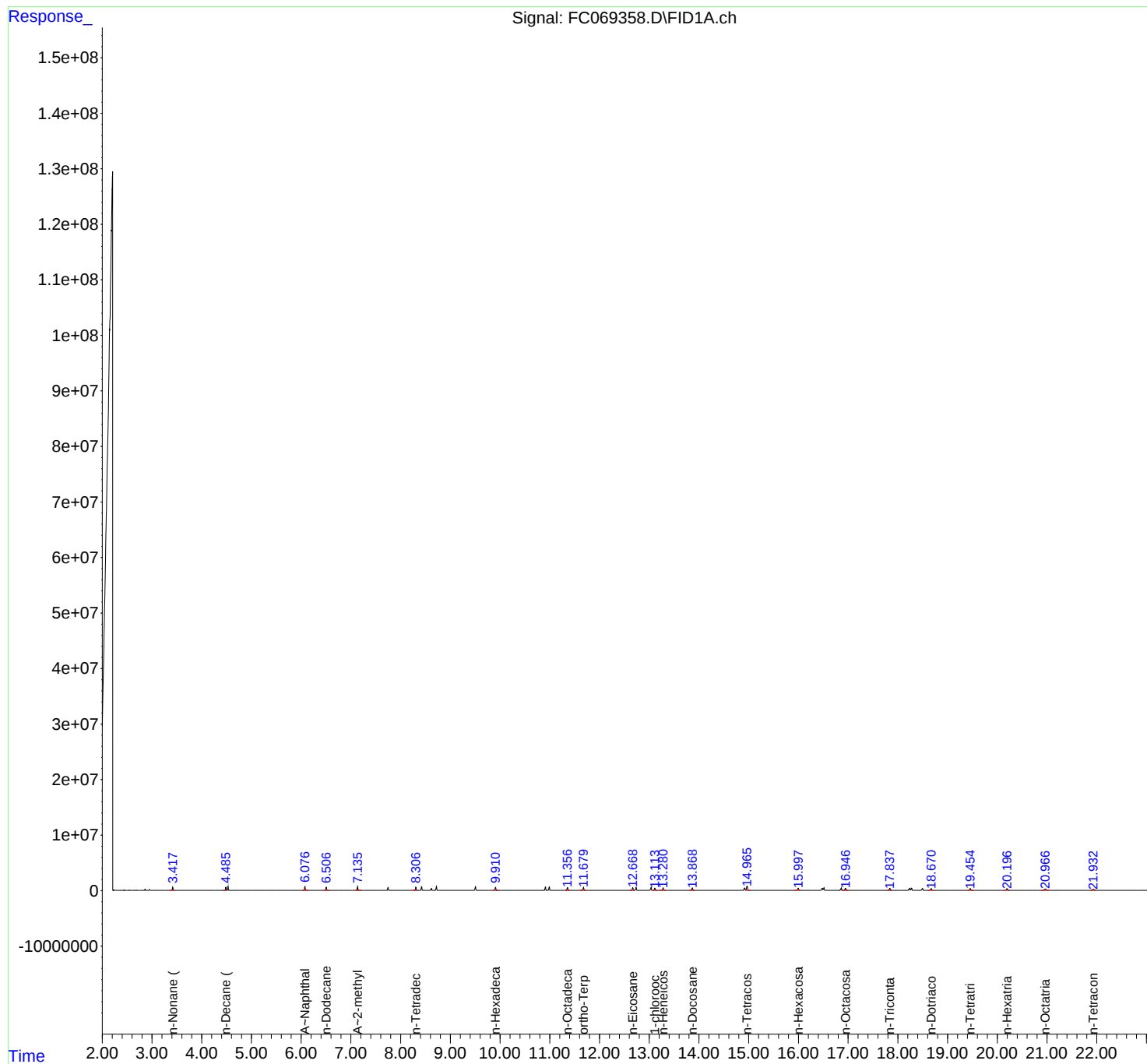
Instrument :
FID_C
ClientSampleId :
PB168702BSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/03/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File: autoint1.e
Quant Time: Jul 03 02:11:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 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

Instrument :

FID_C

ClientSampleId :

PB168702BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/03/2025

Supervised By :mohammad ahmed 07/04/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC07022
Data File : FC069358.D
Signal(s) : FID1A.ch
Acq On : 02 Jul 2025 18:27
Sample : PB168702BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.417	3.355	3.459	BB	605299	5011591	44.68%	2.321%
2	4.485	4.430	4.506	BV	598216	5303546	47.29%	2.457%
3	4.529	4.506	4.572	VV	684999	6045727	53.91%	2.801%
4	6.076	6.014	6.145	BB	717237	6596032	58.81%	3.055%
5	6.506	6.449	6.565	BB	588640	5634924	50.24%	2.610%
6	7.135	7.087	7.215	BB	656523	6353544	56.65%	2.943%
7	8.307	8.240	8.345	BB	577235	6004455	53.54%	2.781%
8	8.422	8.357	8.472	BB	689319	6977388	62.21%	3.232%
9	8.720	8.677	8.759	BB	708210	7004873	62.46%	3.245%
10	9.506	9.437	9.577	BB	673046	7085512	63.18%	3.282%
11	9.910	9.860	9.975	BB	570695	6213630	55.40%	2.878%
12	10.913	10.827	10.949	BV	625035	6757072	60.25%	3.130%
13	10.989	10.949	11.045	PV	608255	6727715	59.99%	3.116%
14	11.356	11.310	11.404	BB	529830	6125081	54.61%	2.837%
15	11.678	11.609	11.732	BB	558357	6140865	54.75%	2.845%
16	12.668	12.607	12.699	BV	502893	6159761	54.92%	2.853%
17	12.737	12.699	12.799	VB	541835	6312839	56.29%	2.924%
18	13.038	12.964	13.065	BV	556356	6246705	55.70%	2.894%
19	13.114	13.065	13.165	VB	402094	4844779	43.20%	2.244%
20	13.280	13.210	13.335	BB	475162	5832995	52.01%	2.702%
21	13.868	13.805	13.920	BB	458763	5706634	50.88%	2.643%
22	14.918	14.845	14.938	BV	444357	5756688	51.33%	2.667%
23	14.966	14.938	15.030	VB	763686	11215399	100.00%	5.195%
24	15.997	15.925	16.044	BB	382308	5225976	46.60%	2.421%
25	16.480	16.404	16.495	BV	359704	5450637	48.60%	2.525%
26	16.515	16.495	16.564	VB	466945	5417134	48.30%	2.509%
27	16.863	16.785	16.894	BV	394327	5280479	47.08%	2.446%
28	16.947	16.894	17.004	VB	364609	4989993	44.49%	2.311%
29	17.838	17.780	17.874	BB	361247	4835214	43.11%	2.240%
30	18.238	18.159	18.254	BV	379571	5621792	50.13%	2.604%
31	18.277	18.254	18.345	VB	409382	5165700	46.06%	2.393%
32	18.497	18.412	18.555	BB	347086	5056103	45.08%	2.342%
33	18.670	18.602	18.715	BB	333162	4670354	41.64%	2.163%
34	19.455	19.400	19.519	BB	344162	4788543	42.70%	2.218%
35	20.197	20.140	20.247	BB	302667	4531299	40.40%	2.099%
36	20.966	20.884	21.040	BB	234781	4518906	40.29%	2.093%

37 21.932 21.880 22.005 BB 176949 4269726 38.07% 1.978%
Sum of corrected areas: 2158

Aliphatic EPH 061825.M Thu Jul 03 02:43:32 2025

Instrument :

FID_C

ClientSampleId :

PB168702BSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/03/2025

Supervised By :mohammad ahmed 07/04/2025

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	WC-1MS	SDG No.:	Q2480
Lab Sample ID:	Q2478-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 20:47	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	67.2	E	1	1.27	2.15	mg/kg	FC069361.D
Aliphatic C9-C28	Aliphatic C9-C28	67.8		1	0.98	4.32	mg/kg	FC069361.D
Total AliphaticEPH	Total AliphaticEPH	135			2.25	6.47	mg/kg	
Total EPH	Total EPH	135			2.25	6.47	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	WC-1MS	SDG No.:	Q2480
Lab Sample ID:	Q2478-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069361.D	1	07/02/25	07/02/25	PB168702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	67.8		0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	67.2	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.3		40 - 140	49%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.3		40 - 140	47%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2478-01MS	Acq On:	02 Jul 2025 20:47
Client Sample ID:	WC-1MS	Operator:	YP/AJ
Data file:	FC069361.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.304	6.604	24148362	164.633	300	ug/ml
Aliphatic C12-C16	6.605	10.008	33531121	210.609	200	ug/ml
Aliphatic C16-C21	10.009	13.377	38378932	248.513	300	ug/ml
Aliphatic C21-C28	13.378	17.043	43163221	322.194	400	ug/ml
Aliphatic C28-C40	17.044	22.026	86194514	935.632	600	ug/ml
Aliphatic EPH	3.304	22.026	225416150	1880		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	4023882	23.29		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	3175165	24.3		ug/ml
Aliphatic C9-C28	3.304	17.043	139221636	945.949	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070225AL\
 Data File : FC069361.D
 Signal(s) : FID1A.ch
 Acq On : 02 Jul 2025 20:47
 Operator : YP/AJ
 Sample : Q2478-01MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 WC-1MS

Integration File: autoint1.e
 Quant Time: Jul 03 02:12:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 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)	11.678	4023882	23.292 ug/ml
Spiked Amount 50.000		Recovery =	46.58%
12) S 1-chlorooctadecane (S...	13.114	3175165	24.304 ug/ml
Spiked Amount 50.000		Recovery =	48.61%
Target Compounds			
1) T n-Nonane (C9)	3.408	3661923	25.749 ug/ml
2) T n-Decane (C10)	4.481	4091672	27.949 ug/ml
3) T A~Naphthalene (C11.7)	6.076	5209195	32.376 ug/ml
4) T n-Dodecane (C12)	6.506	4479398	29.582 ug/ml
5) T A~2-methylnaphthalene...	7.136	5098592	32.219 ug/ml
6) T n-Tetradecane (C14)	8.307	4855780	31.327 ug/ml
7) T n-Hexadecane (C16)	9.911	5244393	32.092 ug/ml
8) T n-Octadecane (C18)	11.356	5256574	32.195 ug/ml
10) T n-Eicosane (C20)	12.668	5277506	34.575 ug/ml
11) T n-Heneicosane (C21)	13.280	4973871	33.746 ug/ml
13) T n-Docosane (C22)	13.869	4856629	33.754 ug/ml
14) T n-Tetracosane (C24)	14.967	9373274	67.956 ug/ml
15) T n-Hexacosane (C26)	15.998	4448093	34.027 ug/ml
16) T n-Octacosane (C28)	16.948	4273455	34.651 ug/ml
17) T n-Tricontane (C30)	17.839	4182235	35.179 ug/ml
18) T n-Dotriacontane (C32)	18.673	4116549	37.650 ug/ml
19) T n-Tetratriacontane (C34)	19.458	4219783	43.698 ug/ml
20) T n-Hexatriacontane (C36)	20.199	4171089	50.612 ug/ml
21) T n-Octatriacontane (C38)	20.969	4346348	58.160 ug/ml
22) T n-Tetracontane (C40)	21.939	4127966	58.291 ug/ml

(f)=RT Delta > 1/2 Window

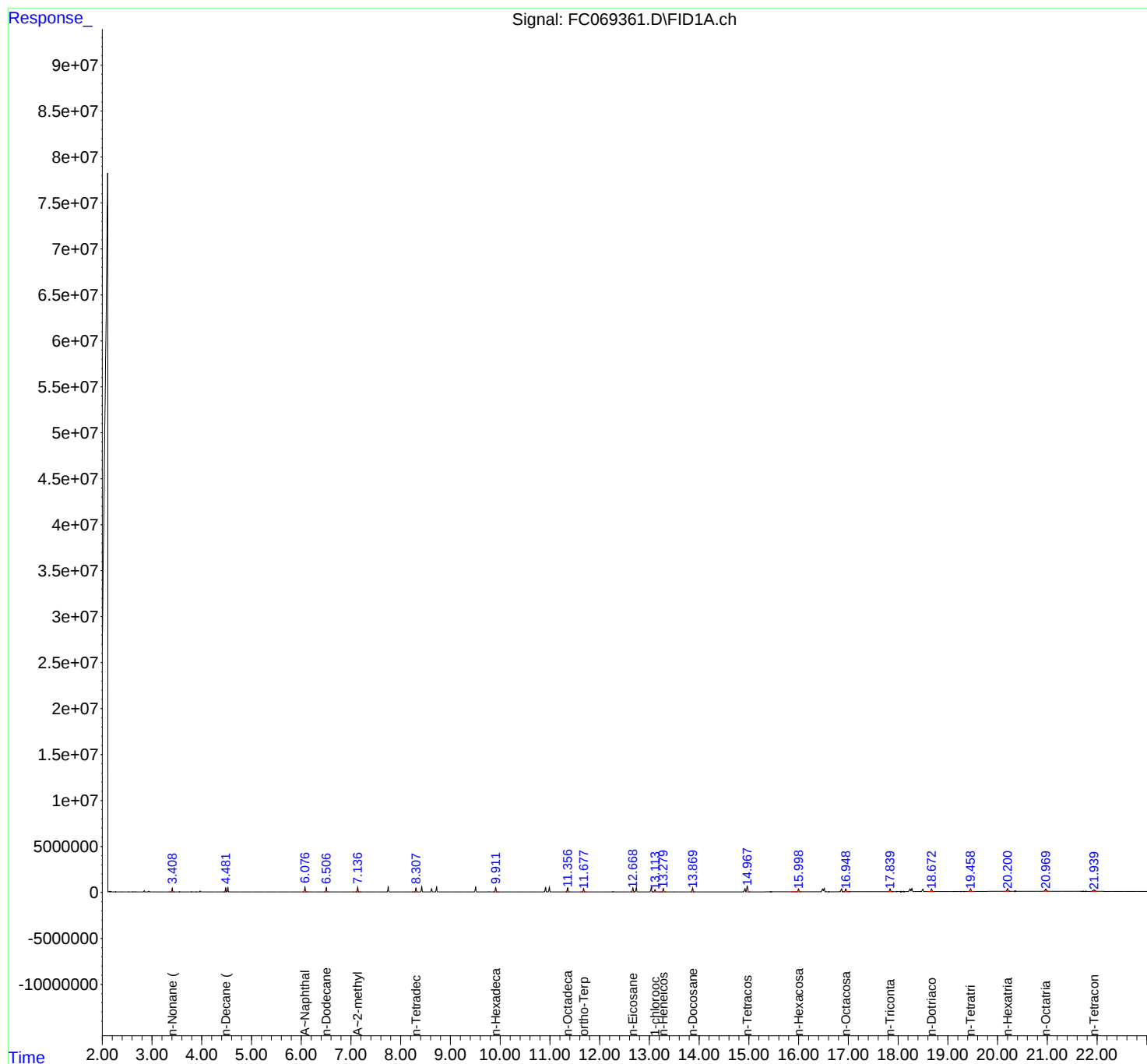
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070225AL\
Data File : FC069361.D
Signal(s) : FID1A.ch
Acq On : 02 Jul 2025 20:47
Operator : YP/AJ
Sample : Q2478-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WC-1MS

Integration File: autoint1.e
Quant Time: Jul 03 02:12:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 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_C\Data\FC070225AL\
Data File : FC069361.D
Signal(s) : FID1A.ch
Acq On : 02 Jul 2025 20:47
Sample : Q2478-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.247	3.205	3.277	BV	3351	36073	0.38%	0.015%
2	3.288	3.277	3.343	VV	555	11319	0.12%	0.005%
3	3.408	3.343	3.475	VV	441268	3679867	39.19%	1.572%
4	3.484	3.475	3.499	VV	450	5890	0.06%	0.003%
5	3.511	3.499	3.524	VV	476	5588	0.06%	0.002%
6	3.555	3.524	3.598	VV	35262	285309	3.04%	0.122%
7	3.608	3.598	3.617	VV	270	2340	0.02%	0.001%
8	3.629	3.617	3.662	VV	416	5919	0.06%	0.003%
9	3.685	3.662	3.714	VV	5194	80442	0.86%	0.034%
10	3.726	3.714	3.745	VV	1940	19587	0.21%	0.008%
11	3.763	3.745	3.774	VV	1775	17693	0.19%	0.008%
12	3.793	3.774	3.871	VV	26280	213281	2.27%	0.091%
13	3.890	3.871	3.932	PV	21613	180029	1.92%	0.077%
14	3.970	3.932	4.038	VV	96482	794560	8.46%	0.339%
15	4.054	4.038	4.069	VV	487	6208	0.07%	0.003%
16	4.082	4.069	4.097	VV	489	5688	0.06%	0.002%
17	4.111	4.097	4.167	VV	436	10669	0.11%	0.005%
18	4.235	4.167	4.252	VV	6005	75603	0.81%	0.032%
19	4.265	4.252	4.332	VV	4362	42324	0.45%	0.018%
20	4.352	4.332	4.384	VV	1827	18499	0.20%	0.008%
21	4.407	4.384	4.447	VV	140	3004	0.03%	0.001%
22	4.481	4.447	4.503	PV	465517	4093316	43.60%	1.748%
23	4.525	4.503	4.569	VV	527133	4580273	48.78%	1.956%
24	4.586	4.569	4.608	VV	4309	42670	0.45%	0.018%
25	4.632	4.608	4.671	VV	7163	68250	0.73%	0.029%
26	4.696	4.671	4.710	VV	130	2462	0.03%	0.001%
27	4.730	4.710	4.755	VV	396	5675	0.06%	0.002%
28	4.764	4.755	4.779	VV	207	1882	0.02%	0.001%
29	4.786	4.779	4.795	VV	110	843	0.01%	0.000%
30	4.814	4.795	4.840	PV	234	3690	0.04%	0.002%
31	4.857	4.840	4.875	VV	224	3350	0.04%	0.001%
32	4.902	4.875	4.944	VV	287	7004	0.07%	0.003%
33	4.956	4.944	4.979	VV	223	3352	0.04%	0.001%
34	5.035	4.979	5.060	VV	295	7559	0.08%	0.003%
35	5.071	5.060	5.104	VV	190	3737	0.04%	0.002%
36	5.122	5.104	5.185	VV	242	6396	0.07%	0.003%

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37	5.203	5.185	5.215	VV	202	2025	0.02%	0.001%
38	5.226	5.215	5.242	VV	214	2196	0.02%	0.001%
39	5.273	5.242	5.292	VV	536	8317	0.09%	0.004%
40	5.302	5.292	5.318	VV	300	3645	0.04%	0.002%
41	5.337	5.318	5.359	VV	517	6862	0.07%	0.003%
42	5.395	5.359	5.450	VV	202	6186	0.07%	0.003%
43	5.520	5.450	5.536	PV	1462	18540	0.20%	0.008%
44	5.546	5.536	5.602	VV	623	10961	0.12%	0.005%
45	5.622	5.602	5.665	VV	500	8111	0.09%	0.003%
46	5.711	5.665	5.730	VV	261	5522	0.06%	0.002%
47	5.768	5.730	5.785	VV	410	6723	0.07%	0.003%
48	5.813	5.785	5.851	VV	240	5292	0.06%	0.002%
49	5.863	5.851	5.891	VV	193	2406	0.03%	0.001%
50	5.912	5.891	5.955	VV	282	5791	0.06%	0.002%
51	5.974	5.955	5.997	VV	199	3629	0.04%	0.002%
52	6.031	5.997	6.043	VV	276	4549	0.05%	0.002%
53	6.076	6.043	6.150	VV	559199	5221419	55.61%	2.230%
54	6.161	6.150	6.200	VV	368	7482	0.08%	0.003%
55	6.219	6.200	6.278	VV	378	9359	0.10%	0.004%
56	6.285	6.278	6.306	VV	179	2438	0.03%	0.001%
57	6.315	6.306	6.326	VV	175	1897	0.02%	0.001%
58	6.349	6.326	6.368	VV	529	7353	0.08%	0.003%
59	6.400	6.368	6.416	VV	348	7569	0.08%	0.003%
60	6.448	6.416	6.474	VV	252	5826	0.06%	0.002%
61	6.506	6.474	6.557	VV	465697	4488608	47.81%	1.917%
62	6.574	6.557	6.628	VV	738	12697	0.14%	0.005%
63	6.654	6.628	6.735	VV	517	10560	0.11%	0.005%
64	6.741	6.735	6.759	VV	101	808	0.01%	0.000%
65	6.798	6.759	6.817	PV	140	2644	0.03%	0.001%
66	6.828	6.817	6.858	VV	165	1911	0.02%	0.001%
67	6.865	6.858	6.878	VV	88	662	0.01%	0.000%
68	6.923	6.878	6.944	VV	337	7302	0.08%	0.003%
69	6.978	6.944	7.018	VV	4618	47199	0.50%	0.020%
70	7.041	7.018	7.095	VV	10759	106228	1.13%	0.045%
71	7.136	7.095	7.197	PV	515840	5104392	54.37%	2.180%
72	7.207	7.197	7.247	VV	356	6902	0.07%	0.003%
73	7.271	7.247	7.296	VV	1956	24915	0.27%	0.011%
74	7.325	7.296	7.373	VV	2181	41738	0.44%	0.018%
75	7.401	7.373	7.413	VV	940	13037	0.14%	0.006%
76	7.429	7.413	7.463	VV	1573	19906	0.21%	0.009%
77	7.481	7.463	7.509	VV	346	7361	0.08%	0.003%
78	7.522	7.509	7.555	VV	337	5254	0.06%	0.002%
79	7.563	7.555	7.588	VV	133	1683	0.02%	0.001%
80	7.608	7.588	7.629	VV	742	8150	0.09%	0.003%
81	7.646	7.629	7.680	VV	272	5136	0.05%	0.002%
82	7.856	7.817	7.872	VV	582	13493	0.14%	0.006%
83	7.885	7.872	7.938	VV	545	11497	0.12%	0.005%
84	7.961	7.938	7.972	VV	213	2933	0.03%	0.001%
85	7.998	7.972	8.030	VV	1317	18820	0.20%	0.008%
86	8.055	8.030	8.103	VV	1033	21303	0.23%	0.009%
87	8.126	8.103	8.144	VV	598	10597	0.11%	0.005%
88	8.166	8.144	8.178	VV	463	8211	0.09%	0.004%
89	8.208	8.178	8.225	VV	606	13575	0.14%	0.006%

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90	8.232	8.225	8.247	VV	483	5201	0.06%	0.002%
91	8.307	8.247	8.345	VV	451903	4870559	51.88%	2.080%
92	8.357	8.345	8.377	VV	335	4537	0.05%	0.002%
93	8.423	8.377	8.461	VV	587270	5627440	59.94%	2.404%
94	8.476	8.461	8.519	VV	483	12530	0.13%	0.005%
95	8.533	8.519	8.562	VV	384	5162	0.05%	0.002%
96	8.721	8.688	8.758	VV	566764	5732354	61.06%	2.448%
97	8.769	8.758	8.817	VV	818	17197	0.18%	0.007%
98	8.839	8.817	8.893	VV	758	13757	0.15%	0.006%
99	8.922	8.893	8.955	VV	388	10153	0.11%	0.004%
100	8.959	8.955	8.965	VV	303	1616	0.02%	0.001%
101	8.989	8.965	9.007	VV	1696	23156	0.25%	0.010%
102	9.019	9.007	9.093	VV	1077	23891	0.25%	0.010%
103	9.127	9.093	9.152	VV	1007	13454	0.14%	0.006%
104	9.165	9.152	9.208	VV	219	3304	0.04%	0.001%
105	9.221	9.208	9.261	VV	98	1237	0.01%	0.001%
106	9.291	9.261	9.301	PV	170	2357	0.03%	0.001%
107	9.313	9.301	9.352	VV	179	2387	0.03%	0.001%
108	9.370	9.352	9.401	VV	234	3816	0.04%	0.002%
109	9.424	9.401	9.444	VV	294	5014	0.05%	0.002%
110	9.506	9.444	9.564	VV	573925	5891106	62.75%	2.516%
111	9.578	9.564	9.611	VV	489	10161	0.11%	0.004%
112	9.650	9.611	9.664	VV	547	11979	0.13%	0.005%
113	9.686	9.664	9.698	VV	2194	27244	0.29%	0.012%
114	9.717	9.698	9.753	VV	8080	94315	1.00%	0.040%
115	9.778	9.753	9.831	VV	30527	321468	3.42%	0.137%
116	9.842	9.831	9.871	VV	692	9814	0.10%	0.004%
117	9.911	9.871	9.977	VV	481362	5259675	56.02%	2.247%
118	9.999	9.977	10.073	VV	416	10020	0.11%	0.004%
119	10.087	10.073	10.110	VV	132	1359	0.01%	0.001%
120	10.147	10.110	10.158	VV	176	2575	0.03%	0.001%
121	10.190	10.158	10.211	VV	492	5925	0.06%	0.003%
122	10.222	10.211	10.228	PV	100	741	0.01%	0.000%
123	10.252	10.228	10.278	VV	925	10840	0.12%	0.005%
124	10.299	10.278	10.321	VV	474	6926	0.07%	0.003%
125	10.349	10.321	10.371	VV	396	8275	0.09%	0.004%
126	10.385	10.371	10.415	VV	340	5479	0.06%	0.002%
127	10.429	10.415	10.475	VV	263	5435	0.06%	0.002%
128	10.505	10.475	10.518	VV	265	3741	0.04%	0.002%
129	10.556	10.518	10.590	VV	641	13787	0.15%	0.006%
130	10.602	10.590	10.625	VV	411	4745	0.05%	0.002%
131	10.647	10.625	10.680	VV	729	10643	0.11%	0.005%
132	10.711	10.680	10.735	VV	5357	72502	0.77%	0.031%
133	10.743	10.735	10.769	VV	832	10385	0.11%	0.004%
134	10.779	10.769	10.821	VV	214	4301	0.05%	0.002%
135	10.841	10.821	10.851	VV	144	2222	0.02%	0.001%
136	10.913	10.851	10.955	VV	520538	5706464	60.78%	2.437%
137	10.989	10.955	11.045	VV	510988	5637586	60.05%	2.408%
138	11.062	11.045	11.131	VV	770	14987	0.16%	0.006%
139	11.156	11.131	11.178	VV	1316	16157	0.17%	0.007%
140	11.195	11.178	11.241	VV	2129	28397	0.30%	0.012%
141	11.252	11.241	11.258	VV	189	1327	0.01%	0.001%

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142	11.283	11.258	11.301	VV	478	6831	0.07%	0.003%
143	11.356	11.301	11.394	VV	466326	5267827	56.11%	2.250%
144	11.437	11.394	11.474	VV	712	17116	0.18%	0.007%
145	11.513	11.474	11.527	VV	301	5304	0.06%	0.002%
146	11.551	11.527	11.581	VV	290	5129	0.05%	0.002%
147	11.604	11.581	11.620	VV	201	2779	0.03%	0.001%
148	11.678	11.620	11.726	PV	366143	4040761	43.04%	1.726%
149	11.743	11.726	11.788	VV	1210	22714	0.24%	0.010%
150	11.811	11.788	11.848	VV	1202	29963	0.32%	0.013%
151	11.862	11.848	11.876	VV	1028	11594	0.12%	0.005%
152	11.892	11.876	11.932	VV	981	13056	0.14%	0.006%
153	11.960	11.932	11.990	PV	377	7811	0.08%	0.003%
154	12.023	11.990	12.051	VV	737	15936	0.17%	0.007%
155	12.072	12.051	12.094	VV	813	11335	0.12%	0.005%
156	12.114	12.094	12.155	VV	402	7259	0.08%	0.003%
157	12.181	12.155	12.217	VV	531	8647	0.09%	0.004%
158	12.269	12.217	12.345	VV	30744	385070	4.10%	0.164%
159	12.356	12.345	12.375	VV	1033	16010	0.17%	0.007%
160	12.386	12.375	12.421	VV	783	16587	0.18%	0.007%
161	12.433	12.421	12.448	VV	433	6853	0.07%	0.003%
162	12.456	12.448	12.465	VV	535	4635	0.05%	0.002%
163	12.490	12.465	12.548	VV	1384	30431	0.32%	0.013%
164	12.564	12.548	12.575	VV	449	4591	0.05%	0.002%
165	12.614	12.575	12.630	VV	896	18465	0.20%	0.008%
166	12.668	12.630	12.700	VV	454844	5286592	56.31%	2.258%
167	12.737	12.700	12.775	VV	461009	5294109	56.39%	2.261%
168	12.786	12.775	12.810	VV	574	8039	0.09%	0.003%
169	12.829	12.810	12.847	VV	155	2832	0.03%	0.001%
170	12.860	12.847	12.870	VV	228	2074	0.02%	0.001%
171	12.918	12.870	12.958	VV	4622	60636	0.65%	0.026%
172	12.966	12.958	13.001	VV	388	6805	0.07%	0.003%
173	13.038	13.001	13.066	VV	475517	5202270	55.41%	2.222%
174	13.114	13.066	13.178	VV	264298	3189445	33.97%	1.362%
175	13.220	13.178	13.241	PV	518	13548	0.14%	0.006%
176	13.280	13.241	13.318	VV	408958	4983068	53.07%	2.128%
177	13.332	13.318	13.345	VV	841	11395	0.12%	0.005%
178	13.366	13.345	13.396	VV	810	16822	0.18%	0.007%
179	13.425	13.396	13.437	VV	490	7107	0.08%	0.003%
180	13.506	13.437	13.587	VV	7124	125174	1.33%	0.053%
181	13.620	13.587	13.641	VV	1184	21389	0.23%	0.009%
182	13.659	13.641	13.678	VV	684	9663	0.10%	0.004%
183	13.708	13.678	13.749	VV	807	21589	0.23%	0.009%
184	13.769	13.749	13.791	VV	691	9519	0.10%	0.004%
185	13.817	13.791	13.831	VV	1110	15472	0.16%	0.007%
186	13.869	13.831	13.916	VV	405018	4867281	51.84%	2.079%
187	13.937	13.916	13.965	VV	593	9158	0.10%	0.004%
188	14.004	13.965	14.025	VV	366	7580	0.08%	0.003%
189	14.043	14.025	14.068	VV	1099	13854	0.15%	0.006%
190	14.099	14.068	14.131	VV	849	15713	0.17%	0.007%
191	14.143	14.131	14.160	PV	354	3504	0.04%	0.001%
192	14.197	14.160	14.215	VV	186	4039	0.04%	0.002%
193	14.229	14.215	14.241	VV	332	3788	0.04%	0.002%
194	14.260	14.241	14.278	VV	698	10647	0.11%	0.005%

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195	14.307	14.278	14.329	VV	2117	29858	0.32%	0.013%
196	14.353	14.329	14.367	VV	823	13089	0.14%	0.006%
197	14.382	14.367	14.402	VV	703	10062	0.11%	0.004%
198	14.431	14.402	14.450	VV	1669	23614	0.25%	0.010%
199	14.461	14.450	14.478	VV	649	7638	0.08%	0.003%
200	14.495	14.478	14.513	VV	528	7371	0.08%	0.003%
201	14.541	14.513	14.573	VV	657	15999	0.17%	0.007%
202	14.600	14.573	14.620	PV	940	12045	0.13%	0.005%
203	14.656	14.620	14.675	PV	903	14221	0.15%	0.006%
204	14.694	14.675	14.708	VV	641	8846	0.09%	0.004%
205	14.733	14.708	14.750	VV	385	6962	0.07%	0.003%
206	14.765	14.750	14.778	PV	347	3258	0.03%	0.001%
207	14.792	14.778	14.804	VV	297	3203	0.03%	0.001%
208	14.821	14.804	14.831	PV	338	3403	0.04%	0.001%
209	14.839	14.831	14.854	VV	241	2377	0.03%	0.001%
210	14.921	14.854	14.940	VV	356239	4788205	51.00%	2.045%
211	14.967	14.940	15.035	VV	659844	9388794	100.00%	4.010%
212	15.077	15.035	15.092	VV	661	17614	0.19%	0.008%
213	15.114	15.092	15.129	VV	686	10439	0.11%	0.004%
214	15.152	15.129	15.181	VV	563	12317	0.13%	0.005%
215	15.219	15.181	15.236	PV	707	12796	0.14%	0.005%
216	15.299	15.236	15.316	VV	666	23541	0.25%	0.010%
217	15.350	15.316	15.431	VV	11884	229417	2.44%	0.098%
218	15.492	15.431	15.528	VV	3562	77713	0.83%	0.033%
219	15.537	15.528	15.550	VV	531	6256	0.07%	0.003%
220	15.585	15.550	15.611	VV	1283	26840	0.29%	0.011%
221	15.632	15.611	15.671	VV	920	14942	0.16%	0.006%
222	15.723	15.671	15.741	PV	995	22781	0.24%	0.010%
223	15.755	15.741	15.784	VV	1078	13685	0.15%	0.006%
224	15.831	15.784	15.848	VV	942	16644	0.18%	0.007%
225	15.888	15.848	15.900	PV	730	17105	0.18%	0.007%
226	15.913	15.900	15.925	VV	437	5886	0.06%	0.003%
227	15.998	15.925	16.076	VV	342232	4442941	47.32%	1.898%
228	16.104	16.076	16.115	VV	428	7489	0.08%	0.003%
229	16.128	16.115	16.140	VV	335	2822	0.03%	0.001%
230	16.199	16.140	16.237	PV	1752	44796	0.48%	0.019%
231	16.300	16.237	16.317	VV	1824	41848	0.45%	0.018%
232	16.335	16.317	16.346	VV	1561	20268	0.22%	0.009%
233	16.368	16.346	16.391	VV	2373	47587	0.51%	0.020%
234	16.396	16.391	16.426	VV	1738	22380	0.24%	0.010%
235	16.483	16.426	16.498	VV	305021	4605733	49.06%	1.967%
236	16.517	16.498	16.552	VV	400319	4508633	48.02%	1.926%
237	16.608	16.552	16.631	VV	5967	143275	1.53%	0.061%
238	16.642	16.631	16.682	VV	2439	66510	0.71%	0.028%
239	16.727	16.682	16.742	VV	4334	99892	1.06%	0.043%
240	16.797	16.742	16.818	VV	3960	133023	1.42%	0.057%
241	16.864	16.818	16.893	VV	332370	4443128	47.32%	1.898%
242	16.948	16.893	17.055	VV	317665	4540498	48.36%	1.939%
243	17.082	17.055	17.108	VV	3625	102202	1.09%	0.044%
244	17.202	17.108	17.231	VV	7103	329658	3.51%	0.141%
245	17.270	17.231	17.305	VV	5844	215072	2.29%	0.092%
246	17.343	17.305	17.357	VV	6409	173945	1.85%	0.074%

rteres								
247	17.377	17.357	17.419	VV	9750	265029	2.82%	0.113%
248	17.437	17.419	17.458	VV	5647	126340	1.35%	0.054%
249	17.472	17.458	17.498	VV	5443	122505	1.30%	0.052%
250	17.521	17.498	17.549	VV	8742	203589	2.17%	0.087%
251	17.577	17.549	17.592	VV	6124	140148	1.49%	0.060%
252	17.608	17.592	17.628	VV	6067	117129	1.25%	0.050%
253	17.647	17.628	17.662	VV	5781	108621	1.16%	0.046%
254	17.729	17.662	17.772	VV	9631	442779	4.72%	0.189%
255	17.839	17.772	17.872	VV	309806	4540086	48.36%	1.939%
256	17.894	17.872	17.915	VV	9298	188659	2.01%	0.081%
257	17.934	17.915	17.948	VV	7212	132730	1.41%	0.057%
258	17.992	17.948	18.075	VV	14130	739610	7.88%	0.316%
259	18.146	18.075	18.155	VV	8468	375644	4.00%	0.160%
260	18.240	18.155	18.256	VV	320865	5151434	54.87%	2.200%
261	18.278	18.256	18.330	VV	347306	4671666	49.76%	1.995%
262	18.364	18.330	18.405	VV	18999	588638	6.27%	0.251%
263	18.422	18.405	18.447	VV	10783	260773	2.78%	0.111%
264	18.499	18.447	18.544	VV	289991	4592727	48.92%	1.962%
265	18.572	18.544	18.588	VV	11076	267012	2.84%	0.114%
266	18.673	18.588	18.713	VV	307066	4827903	51.42%	2.062%
267	18.745	18.713	18.757	VV	11974	297499	3.17%	0.127%
268	18.788	18.757	18.807	VV	17977	429986	4.58%	0.184%
269	18.831	18.807	18.866	VV	16440	501631	5.34%	0.214%
270	18.886	18.866	18.907	VV	13140	310786	3.31%	0.133%
271	18.946	18.907	18.956	VV	13827	396099	4.22%	0.169%
272	18.968	18.956	18.983	VV	14045	214207	2.28%	0.091%
273	19.040	18.983	19.061	VV	17402	715333	7.62%	0.306%
274	19.075	19.061	19.095	VV	16616	310070	3.30%	0.132%
275	19.119	19.095	19.141	VV	17137	438248	4.67%	0.187%
276	19.180	19.141	19.216	VV	17854	704998	7.51%	0.301%
277	19.293	19.216	19.314	VV	17801	952739	10.15%	0.407%
278	19.349	19.314	19.386	VV	17257	715589	7.62%	0.306%
279	19.458	19.386	19.529	VV	316394	5694303	60.65%	2.432%
280	19.588	19.529	19.605	VV	23051	934652	9.95%	0.399%
281	19.632	19.605	19.655	VV	22563	648255	6.90%	0.277%
282	19.678	19.655	19.691	VV	22935	486599	5.18%	0.208%
283	19.705	19.691	19.717	VV	23634	358301	3.82%	0.153%
284	19.738	19.717	19.753	VV	24145	495954	5.28%	0.212%
285	19.778	19.753	19.796	VV	23776	598690	6.38%	0.256%
286	19.821	19.796	19.855	VV	28101	899213	9.58%	0.384%
287	19.899	19.855	19.925	VV	28080	1103002	11.75%	0.471%
288	19.959	19.925	19.973	VV	27311	762626	8.12%	0.326%
289	20.004	19.973	20.051	VV	29374	1258239	13.40%	0.537%
290	20.115	20.051	20.143	VV	32408	1615703	17.21%	0.690%
291	20.199	20.143	20.240	VV	307306	5870261	62.52%	2.507%
292	20.251	20.240	20.260	VV	33538	387454	4.13%	0.165%
293	20.270	20.260	20.313	VV	33743	1008114	10.74%	0.431%
294	20.358	20.313	20.385	VV	34539	1394920	14.86%	0.596%
295	20.426	20.385	20.441	VV	31625	1052157	11.21%	0.449%
296	20.457	20.441	20.486	VV	30288	792136	8.44%	0.338%
297	20.499	20.486	20.528	VV	29160	704783	7.51%	0.301%
298	20.566	20.528	20.597	VV	31225	1219746	12.99%	0.521%
299	20.663	20.597	20.695	VV	30307	1731819	18.45%	0.740%

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300	20.708	20.695	20.761	VV	30041	1128825	12.02%	0.482%
301	20.776	20.761	20.805	VV	28028	686601	7.31%	0.293%
302	20.815	20.805	20.845	VV	25135	577090	6.15%	0.246%
303	20.883	20.845	20.909	VV	25555	933312	9.94%	0.399%
304	20.969	20.909	21.121	VV	254076	7302207	77.78%	3.119%
305	21.134	21.121	21.149	VV	22191	352667	3.76%	0.151%
306	21.158	21.149	21.191	VV	20776	495174	5.27%	0.212%
307	21.229	21.191	21.259	VV	18489	731823	7.79%	0.313%
308	21.279	21.259	21.314	VV	19102	585094	6.23%	0.250%
309	21.340	21.314	21.354	VV	17931	411348	4.38%	0.176%
310	21.376	21.354	21.405	VV	18501	542999	5.78%	0.232%
311	21.420	21.405	21.434	VV	20018	326836	3.48%	0.140%
312	21.444	21.434	21.461	VV	18375	296317	3.16%	0.127%
313	21.474	21.461	21.507	VV	17936	473024	5.04%	0.202%
314	21.517	21.507	21.538	VV	16730	290639	3.10%	0.124%
315	21.552	21.538	21.581	VV	15526	382837	4.08%	0.164%
316	21.596	21.581	21.635	VV	15728	491961	5.24%	0.210%
317	21.645	21.635	21.708	VV	15365	595674	6.34%	0.254%
318	21.722	21.708	21.760	VV	11969	352353	3.75%	0.151%
319	21.772	21.760	21.798	VV	11712	242883	2.59%	0.104%
320	21.807	21.798	21.850	VV	10272	289168	3.08%	0.124%
321	21.939	21.850	22.010	VV	172390	5017671	53.44%	2.143%
322	22.038	22.010	22.047	VV	12660	266127	2.83%	0.114%
323	22.059	22.047	22.115	VV	13121	449697	4.79%	0.192%
324	22.122	22.115	22.155	VV	9822	215599	2.30%	0.092%
325	22.171	22.155	22.196	VV	8554	189161	2.01%	0.081%
326	22.204	22.196	22.231	VV	7883	138308	1.47%	0.059%
327	22.244	22.231	22.323	VV	5806	152936	1.63%	0.065%
328	22.349	22.323	22.360	PV	1032	11535	0.12%	0.005%
Sum of corrected areas:					234117109			

Aliphatic EPH 061825.M Thu Jul 03 02:48:26 2025

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	WC-1MSD	SDG No.:	Q2480
Lab Sample ID:	Q2478-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 21:34	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	67.3	E	1	1.27	2.15	mg/kg	FC069362.D
Aliphatic C9-C28	Aliphatic C9-C28	69.5		1	0.98	4.32	mg/kg	FC069362.D
Total AliphaticEPH	Total AliphaticEPH	137			2.25	6.47	mg/kg	
Total EPH	Total EPH	137			2.25	6.47	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Lexington	Date Received:	
Client Sample ID:	WC-1MSD	SDG No.:	Q2480
Lab Sample ID:	Q2478-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069362.D	1	07/02/25	07/02/25	PB168702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	69.5		0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	67.3	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.9		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.8		40 - 140	48%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2478-01MSD	Acq On:	02 Jul 2025 21:34
Client Sample ID:	WC-1MSD	Operator:	YP/AJ
Data file:	FC069362.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.304	6.604	24731964	168.612	300	ug/ml
Aliphatic C12-C16	6.605	10.008	34408909	216.122	200	ug/ml
Aliphatic C16-C21	10.009	13.377	39309413	254.538	300	ug/ml
Aliphatic C21-C28	13.378	17.043	43980372	328.294	400	ug/ml
Aliphatic C28-C40	17.044	22.026	86413404	938.008	600	ug/ml
Aliphatic EPH	3.304	22.026	228844062	1910		ug/ml
ortho-Terphenyl (SURR)	11.680	11.680	4115666	23.82		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	3246830	24.85		ug/ml
Aliphatic C9-C28	3.304	17.043	142430658	967.566	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070225AL\
 Data File : FC069362.D
 Signal(s) : FID1A.ch
 Acq On : 02 Jul 2025 21:34
 Operator : YP/AJ
 Sample : Q2478-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 WC-1MSD

Integration File: autoint1.e
 Quant Time: Jul 03 02:12:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 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)	11.680	4115666	23.823 ug/ml
Spiked Amount 50.000		Recovery =	47.65%
12) S 1-chlorooctadecane (S...	13.115	3246830	24.853 ug/ml
Spiked Amount 50.000		Recovery =	49.71%
Target Compounds			
1) T n-Nonane (C9)	3.410	3777056	26.558 ug/ml
2) T n-Decane (C10)	4.483	4220988	28.833 ug/ml
3) T A~Naphthalene (C11.7)	6.077	5352930	33.270 ug/ml
4) T n-Dodecane (C12)	6.507	4603196	30.399 ug/ml
5) T A~2-methylnaphthalene...	7.138	5237415	33.096 ug/ml
6) T n-Tetradecane (C14)	8.308	4983250	32.149 ug/ml
7) T n-Hexadecane (C16)	9.912	5387890	32.970 ug/ml
8) T n-Octadecane (C18)	11.357	5405845	33.110 ug/ml
10) T n-Eicosane (C20)	12.670	5422814	35.527 ug/ml
11) T n-Heneicosane (C21)	13.283	5091368	34.543 ug/ml
13) T n-Docosane (C22)	13.870	4985280	34.648 ug/ml
14) T n-Tetracosane (C24)	14.970	9585556	69.495 ug/ml
15) T n-Hexacosane (C26)	15.999	4555717	34.850 ug/ml
16) T n-Octacosane (C28)	16.950	4389035	35.588 ug/ml
17) T n-Tricontane (C30)	17.841	4272413	35.938 ug/ml
18) T n-Dotriacontane (C32)	18.674	4207837	38.485 ug/ml
19) T n-Tetratriacontane (C34)	19.458	4301754	44.547 ug/ml
20) T n-Hexatriacontane (C36)	20.200	4320369	52.424 ug/ml
21) T n-Octatriacontane (C38)	20.970	4408273	58.989 ug/ml
22) T n-Tetracontane (C40)	21.941	4210067	59.451 ug/ml

(f)=RT Delta > 1/2 Window

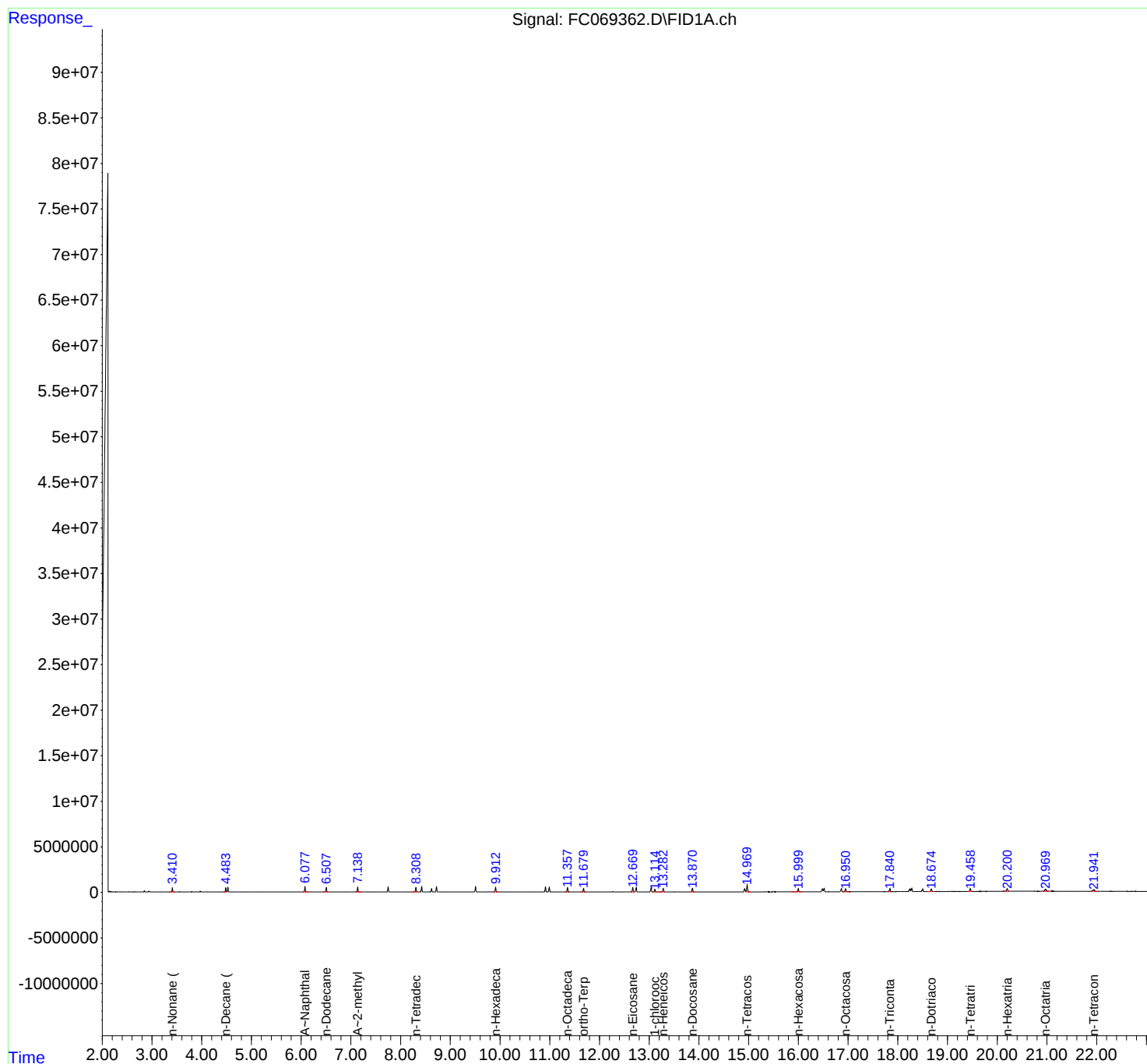
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070225AL\
Data File : FC069362.D
Signal(s) : FID1A.ch
Acq On : 02 Jul 2025 21:34
Operator : YP/AJ
Sample : Q2478-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WC-1MSD

Integration File: autoint1.e
Quant Time: Jul 03 02:12:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 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_C\Data\FC070225AL\
 Data File : FC069362.D
 Signal(s) : FID1A.ch
 Acq On : 02 Jul 2025 21:34
 Sample : Q2478-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.249	3.204	3.345	BV	3738	51553	0.54%	0.022%
2	3.410	3.345	3.472	PV	459590	3797122	39.57%	1.598%
3	3.488	3.472	3.499	VV	567	7589	0.08%	0.003%
4	3.512	3.499	3.526	VV	536	7852	0.08%	0.003%
5	3.557	3.526	3.582	VV	33295	271981	2.83%	0.114%
6	3.590	3.582	3.614	VV	298	4980	0.05%	0.002%
7	3.630	3.614	3.661	VV	425	7567	0.08%	0.003%
8	3.686	3.661	3.716	VV	5630	85963	0.90%	0.036%
9	3.728	3.716	3.747	VV	1881	19780	0.21%	0.008%
10	3.765	3.747	3.777	VV	1745	18338	0.19%	0.008%
11	3.795	3.777	3.848	VV	24997	203403	2.12%	0.086%
12	3.892	3.848	3.921	VV	20421	168996	1.76%	0.071%
13	3.972	3.921	4.033	VV	90785	743074	7.74%	0.313%
14	4.057	4.033	4.070	VV	496	7180	0.07%	0.003%
15	4.082	4.070	4.100	VV	514	6234	0.06%	0.003%
16	4.113	4.100	4.145	VV	392	7068	0.07%	0.003%
17	4.192	4.145	4.218	VV	433	12962	0.14%	0.005%
18	4.237	4.218	4.254	VV	5517	61951	0.65%	0.026%
19	4.267	4.254	4.338	VV	3991	39892	0.42%	0.017%
20	4.354	4.338	4.395	VV	1622	17725	0.18%	0.007%
21	4.413	4.395	4.440	VV	225	2284	0.02%	0.001%
22	4.483	4.440	4.505	VV	480731	4222654	44.00%	1.777%
23	4.527	4.505	4.571	VV	540430	4718128	49.17%	1.986%
24	4.588	4.571	4.614	VV	4462	43819	0.46%	0.018%
25	4.634	4.614	4.682	VV	7289	69097	0.72%	0.029%
26	4.733	4.682	4.752	VV	419	8065	0.08%	0.003%
27	4.768	4.752	4.792	VV	461	3463	0.04%	0.001%
28	4.814	4.792	4.840	PV	192	2518	0.03%	0.001%
29	4.858	4.840	4.877	VV	149	2254	0.02%	0.001%
30	4.900	4.877	4.925	VV	292	3802	0.04%	0.002%
31	4.967	4.925	5.008	VV	214	6289	0.07%	0.003%
32	5.012	5.008	5.020	VV	118	598	0.01%	0.000%
33	5.037	5.020	5.053	VV	223	2413	0.03%	0.001%
34	5.093	5.053	5.104	VV	169	3452	0.04%	0.001%
35	5.121	5.104	5.159	VV	192	4365	0.05%	0.002%
36	5.167	5.159	5.181	VV	112	954	0.01%	0.000%

					rteres			
37	5.208	5.181	5.251	VV	196	4110	0.04%	0.002%
38	5.275	5.251	5.295	VV	624	7818	0.08%	0.003%
39	5.304	5.295	5.320	VV	285	2990	0.03%	0.001%
40	5.337	5.320	5.370	VV	486	6160	0.06%	0.003%
41	5.399	5.370	5.453	VV	192	5296	0.06%	0.002%
42	5.478	5.453	5.494	VV	110	2184	0.02%	0.001%
43	5.520	5.494	5.536	VV	1432	15529	0.16%	0.007%
44	5.547	5.536	5.604	VV	597	10368	0.11%	0.004%
45	5.625	5.604	5.667	VV	459	7971	0.08%	0.003%
46	5.687	5.667	5.697	VV	189	2872	0.03%	0.001%
47	5.709	5.697	5.733	VV	250	3948	0.04%	0.002%
48	5.769	5.733	5.798	VV	450	9514	0.10%	0.004%
49	5.806	5.798	5.811	VV	167	1264	0.01%	0.001%
50	5.822	5.811	5.848	VV	237	3644	0.04%	0.002%
51	5.859	5.848	5.884	VV	164	2308	0.02%	0.001%
52	5.914	5.884	5.943	PV	194	4259	0.04%	0.002%
53	5.957	5.943	5.995	VV	225	5045	0.05%	0.002%
54	6.028	5.995	6.048	VV	307	6977	0.07%	0.003%
55	6.077	6.048	6.152	VV	582613	5367933	55.94%	2.260%
56	6.164	6.152	6.201	VV	401	8063	0.08%	0.003%
57	6.222	6.201	6.269	VV	408	9976	0.10%	0.004%
58	6.350	6.269	6.368	VV	548	14772	0.15%	0.006%
59	6.376	6.368	6.385	VV	355	3439	0.04%	0.001%
60	6.394	6.385	6.421	VV	338	5670	0.06%	0.002%
61	6.507	6.421	6.551	VV	480118	4621144	48.16%	1.945%
62	6.573	6.551	6.638	VV	704	14898	0.16%	0.006%
63	6.655	6.638	6.698	VV	485	7372	0.08%	0.003%
64	6.709	6.698	6.718	VV	159	1439	0.01%	0.001%
65	6.779	6.718	6.818	VV	180	6213	0.06%	0.003%
66	6.836	6.818	6.884	VV	186	4316	0.04%	0.002%
67	6.924	6.884	6.954	VV	378	6542	0.07%	0.003%
68	6.979	6.954	7.018	PV	4712	48900	0.51%	0.021%
69	7.042	7.018	7.091	VV	11079	110899	1.16%	0.047%
70	7.138	7.091	7.198	VV	535921	5241324	54.62%	2.206%
71	7.208	7.198	7.221	VV	386	4048	0.04%	0.002%
72	7.233	7.221	7.249	VV	269	3175	0.03%	0.001%
73	7.272	7.249	7.308	VV	1933	27624	0.29%	0.012%
74	7.326	7.308	7.342	VV	2165	26734	0.28%	0.011%
75	7.352	7.342	7.374	VV	1090	12304	0.13%	0.005%
76	7.403	7.374	7.415	VV	1006	13041	0.14%	0.005%
77	7.431	7.415	7.460	VV	1582	18160	0.19%	0.008%
78	7.495	7.460	7.513	VV	351	8115	0.08%	0.003%
79	7.524	7.513	7.556	VV	361	4394	0.05%	0.002%
80	7.610	7.556	7.636	VV	686	10519	0.11%	0.004%
81	7.654	7.636	7.701	VV	275	4746	0.05%	0.002%
82	7.859	7.826	7.875	VV	573	12481	0.13%	0.005%
83	7.886	7.875	7.948	VV	535	12583	0.13%	0.005%
84	7.957	7.948	7.977	VV	201	3047	0.03%	0.001%
85	8.000	7.977	8.031	VV	1372	20259	0.21%	0.009%
86	8.057	8.031	8.097	VV	1094	21676	0.23%	0.009%
87	8.126	8.097	8.151	VV	662	15237	0.16%	0.006%
88	8.201	8.151	8.251	VV	667	31043	0.32%	0.013%
89	8.265	8.251	8.273	VV	604	6317	0.07%	0.003%

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90	8.308	8.273	8.348	VV	476586	4997882	52.08%	2.104%
91	8.360	8.348	8.376	VV	378	5291	0.06%	0.002%
92	8.424	8.376	8.462	VV	577820	5770981	60.14%	2.429%
93	8.475	8.462	8.518	VV	578	13217	0.14%	0.006%
94	8.533	8.518	8.558	VV	389	5998	0.06%	0.003%
95	8.722	8.684	8.756	VV	560772	5875369	61.23%	2.473%
96	8.771	8.756	8.820	VV	873	19055	0.20%	0.008%
97	8.840	8.820	8.884	VV	708	11290	0.12%	0.005%
98	8.911	8.884	8.924	VV	483	6876	0.07%	0.003%
99	8.930	8.924	8.948	VV	403	4583	0.05%	0.002%
100	8.956	8.948	8.965	VV	269	2844	0.03%	0.001%
101	8.991	8.965	9.008	VV	1780	25730	0.27%	0.011%
102	9.019	9.008	9.098	VV	1114	27139	0.28%	0.011%
103	9.128	9.098	9.154	VV	1181	15337	0.16%	0.006%
104	9.167	9.154	9.205	VV	197	3840	0.04%	0.002%
105	9.218	9.205	9.244	VV	104	2136	0.02%	0.001%
106	9.285	9.244	9.298	VV	145	2935	0.03%	0.001%
107	9.314	9.298	9.348	PV	198	3736	0.04%	0.002%
108	9.368	9.348	9.404	VV	224	4624	0.05%	0.002%
109	9.425	9.404	9.443	VV	268	3321	0.03%	0.001%
110	9.508	9.443	9.566	VV	577595	6035715	62.90%	2.541%
111	9.581	9.566	9.630	VV	516	11890	0.12%	0.005%
112	9.650	9.630	9.668	VV	631	10132	0.11%	0.004%
113	9.687	9.668	9.699	VV	2356	27634	0.29%	0.012%
114	9.718	9.699	9.753	VV	8454	94447	0.98%	0.040%
115	9.779	9.753	9.811	VV	30135	320326	3.34%	0.135%
116	9.842	9.811	9.867	VV	673	15854	0.17%	0.007%
117	9.911	9.867	9.981	VV	483618	5400436	56.28%	2.273%
118	10.004	9.981	10.071	VV	368	7783	0.08%	0.003%
119	10.191	10.071	10.213	PV	522	7510	0.08%	0.003%
120	10.225	10.213	10.230	VV	105	549	0.01%	0.000%
121	10.254	10.230	10.278	VV	899	9900	0.10%	0.004%
122	10.300	10.278	10.321	VV	432	6027	0.06%	0.003%
123	10.351	10.321	10.374	VV	338	7509	0.08%	0.003%
124	10.388	10.374	10.410	VV	357	5274	0.05%	0.002%
125	10.428	10.410	10.477	VV	315	6256	0.07%	0.003%
126	10.555	10.477	10.594	PV	775	20520	0.21%	0.009%
127	10.605	10.594	10.621	VV	386	4076	0.04%	0.002%
128	10.647	10.621	10.678	VV	757	13047	0.14%	0.005%
129	10.712	10.678	10.734	VV	5641	75418	0.79%	0.032%
130	10.744	10.734	10.774	VV	821	12220	0.13%	0.005%
131	10.803	10.774	10.827	VV	209	5884	0.06%	0.002%
132	10.839	10.827	10.851	VV	317	3615	0.04%	0.002%
133	10.914	10.851	10.953	VV	546924	5838378	60.84%	2.458%
134	10.991	10.953	11.047	VV	530346	5770210	60.13%	2.429%
135	11.064	11.047	11.088	VV	870	13150	0.14%	0.006%
136	11.098	11.088	11.128	VV	249	4649	0.05%	0.002%
137	11.157	11.128	11.177	VV	1423	18400	0.19%	0.008%
138	11.197	11.177	11.236	VV	2212	30870	0.32%	0.013%
139	11.284	11.236	11.306	VV	483	10803	0.11%	0.005%
140	11.357	11.306	11.404	VV	477855	5419915	56.48%	2.281%
141	11.436	11.404	11.472	VV	769	20321	0.21%	0.009%

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142	11.488	11.472	11.497	PV	313	3177	0.03%	0.001%
143	11.516	11.497	11.531	VV	357	5544	0.06%	0.002%
144	11.552	11.531	11.585	VV	431	8014	0.08%	0.003%
145	11.599	11.585	11.624	VV	275	4119	0.04%	0.002%
146	11.680	11.624	11.729	VV	381540	4130256	43.04%	1.739%
147	11.746	11.729	11.790	VV	1289	23348	0.24%	0.010%
148	11.811	11.790	11.821	VV	1285	13624	0.14%	0.006%
149	11.834	11.821	11.850	VV	1217	16349	0.17%	0.007%
150	11.864	11.850	11.878	VV	982	11732	0.12%	0.005%
151	11.892	11.878	11.941	VV	878	13298	0.14%	0.006%
152	11.961	11.941	11.991	VV	425	6322	0.07%	0.003%
153	12.026	11.991	12.058	VV	760	15634	0.16%	0.007%
154	12.072	12.058	12.098	VV	887	11126	0.12%	0.005%
155	12.116	12.098	12.128	VV	428	4945	0.05%	0.002%
156	12.140	12.128	12.151	VV	278	2989	0.03%	0.001%
157	12.186	12.151	12.214	VV	627	9968	0.10%	0.004%
158	12.270	12.214	12.339	VV	31949	395353	4.12%	0.166%
159	12.357	12.339	12.378	VV	1071	20207	0.21%	0.009%
160	12.389	12.378	12.424	VV	736	15333	0.16%	0.006%
161	12.438	12.424	12.448	VV	460	6206	0.06%	0.003%
162	12.458	12.448	12.467	VV	524	5098	0.05%	0.002%
163	12.492	12.467	12.545	VV	1372	30252	0.32%	0.013%
164	12.564	12.545	12.581	VV	502	5777	0.06%	0.002%
165	12.614	12.581	12.630	VV	956	14939	0.16%	0.006%
166	12.670	12.630	12.701	VV	476032	5429385	56.58%	2.285%
167	12.739	12.701	12.784	VV	463186	5399748	56.27%	2.273%
168	12.790	12.784	12.811	VV	513	4434	0.05%	0.002%
169	12.920	12.811	12.997	VV	4692	66579	0.69%	0.028%
170	13.040	12.997	13.069	VV	467714	5302007	55.25%	2.232%
171	13.115	13.069	13.180	VV	277672	3258497	33.96%	1.372%
172	13.225	13.180	13.243	PV	488	12732	0.13%	0.005%
173	13.283	13.243	13.348	VV	413837	5129226	53.45%	2.159%
174	13.356	13.348	13.364	VV	704	6470	0.07%	0.003%
175	13.372	13.364	13.406	VV	724	10977	0.11%	0.005%
176	13.428	13.406	13.441	VV	474	6215	0.06%	0.003%
177	13.507	13.441	13.574	VV	7585	131587	1.37%	0.055%
178	13.622	13.574	13.642	VV	1098	24934	0.26%	0.010%
179	13.660	13.642	13.674	VV	560	8208	0.09%	0.003%
180	13.712	13.674	13.721	VV	826	14930	0.16%	0.006%
181	13.727	13.721	13.749	VV	653	6847	0.07%	0.003%
182	13.769	13.749	13.785	VV	659	7996	0.08%	0.003%
183	13.819	13.785	13.833	VV	1164	18839	0.20%	0.008%
184	13.870	13.833	13.920	VV	394464	4992792	52.03%	2.102%
185	13.937	13.920	13.954	VV	574	7120	0.07%	0.003%
186	14.018	13.954	14.026	VV	295	7857	0.08%	0.003%
187	14.043	14.026	14.068	VV	1076	12523	0.13%	0.005%
188	14.101	14.068	14.128	VV	807	14700	0.15%	0.006%
189	14.150	14.128	14.167	VV	248	2989	0.03%	0.001%
190	14.212	14.167	14.220	PV	193	3142	0.03%	0.001%
191	14.261	14.220	14.283	VV	666	13486	0.14%	0.006%
192	14.310	14.283	14.340	VV	1992	33045	0.34%	0.014%
193	14.355	14.340	14.371	VV	929	11402	0.12%	0.005%
194	14.385	14.371	14.407	VV	761	10413	0.11%	0.004%

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195	14.433	14.407	14.511	VV	1736	40459	0.42%	0.017%
196	14.538	14.511	14.548	VV	834	13124	0.14%	0.006%
197	14.559	14.548	14.578	VV	782	9120	0.10%	0.004%
198	14.601	14.578	14.623	PV	838	12675	0.13%	0.005%
199	14.660	14.623	14.677	VV	872	15561	0.16%	0.007%
200	14.698	14.677	14.709	VV	637	9192	0.10%	0.004%
201	14.723	14.709	14.746	VV	638	8258	0.09%	0.003%
202	14.828	14.746	14.842	PV	266	11754	0.12%	0.005%
203	14.922	14.842	14.942	VV	348701	4883291	50.89%	2.056%
204	14.970	14.942	15.037	VV	725410	9596169	100.00%	4.039%
205	15.051	15.037	15.061	VV	555	5859	0.06%	0.002%
206	15.075	15.061	15.091	VV	704	7885	0.08%	0.003%
207	15.110	15.091	15.122	VV	588	7286	0.08%	0.003%
208	15.162	15.122	15.178	VV	535	12688	0.13%	0.005%
209	15.219	15.178	15.227	VV	603	8055	0.08%	0.003%
210	15.235	15.227	15.254	VV	489	6628	0.07%	0.003%
211	15.306	15.254	15.318	VV	809	16557	0.17%	0.007%
212	15.351	15.318	15.456	VV	12602	234388	2.44%	0.099%
213	15.494	15.456	15.529	VV	3639	66666	0.69%	0.028%
214	15.549	15.529	15.557	VV	635	8264	0.09%	0.003%
215	15.586	15.557	15.604	VV	1481	24316	0.25%	0.010%
216	15.639	15.604	15.659	VV	887	21011	0.22%	0.009%
217	15.669	15.659	15.684	VV	413	2678	0.03%	0.001%
218	15.720	15.684	15.733	PV	1221	18373	0.19%	0.008%
219	15.754	15.733	15.788	VV	867	20596	0.21%	0.009%
220	15.827	15.788	15.854	VV	1067	18651	0.19%	0.008%
221	15.876	15.854	15.894	VV	877	14320	0.15%	0.006%
222	15.906	15.894	15.924	VV	649	8818	0.09%	0.004%
223	15.947	15.924	15.957	VV	917	11159	0.12%	0.005%
224	15.999	15.957	16.044	VV	362745	4535963	47.27%	1.909%
225	16.058	16.044	16.079	VV	747	10890	0.11%	0.005%
226	16.094	16.079	16.123	VV	651	11573	0.12%	0.005%
227	16.140	16.123	16.150	PV	444	4648	0.05%	0.002%
228	16.204	16.150	16.237	VV	2028	51854	0.54%	0.022%
229	16.297	16.237	16.318	VV	1799	46550	0.49%	0.020%
230	16.337	16.318	16.349	VV	2010	27643	0.29%	0.012%
231	16.369	16.349	16.427	VV	2517	69447	0.72%	0.029%
232	16.484	16.427	16.500	VV	305856	4710457	49.09%	1.983%
233	16.518	16.500	16.551	VV	387310	4596055	47.89%	1.935%
234	16.610	16.551	16.635	VV	6511	139599	1.45%	0.059%
235	16.646	16.635	16.670	VV	2161	39024	0.41%	0.016%
236	16.727	16.670	16.758	VV	3600	117713	1.23%	0.050%
237	16.803	16.758	16.820	VV	3371	96531	1.01%	0.041%
238	16.866	16.820	16.894	VV	349085	4517576	47.08%	1.902%
239	16.905	16.894	16.911	VV	3174	28434	0.30%	0.012%
240	16.950	16.911	17.031	VV	333063	4533589	47.24%	1.908%
241	17.075	17.031	17.110	VV	2933	120126	1.25%	0.051%
242	17.203	17.110	17.243	VV	6167	312690	3.26%	0.132%
243	17.283	17.243	17.300	VV	5604	162407	1.69%	0.068%
244	17.314	17.300	17.330	VV	5221	90331	0.94%	0.038%
245	17.379	17.330	17.417	VV	8784	330568	3.44%	0.139%
246	17.444	17.417	17.457	VV	5527	122793	1.28%	0.052%

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247	17.482	17.457	17.494	VV	5087	106281	1.11%	0.045%
248	17.524	17.494	17.561	VV	8344	239008	2.49%	0.101%
249	17.580	17.561	17.593	VV	5832	101132	1.05%	0.043%
250	17.612	17.593	17.628	VV	5297	104435	1.09%	0.044%
251	17.644	17.628	17.654	VV	4802	75506	0.79%	0.032%
252	17.732	17.654	17.784	VV	8799	468046	4.88%	0.197%
253	17.841	17.784	17.874	VV	326063	4563820	47.56%	1.921%
254	17.898	17.874	17.918	VV	8834	181027	1.89%	0.076%
255	17.933	17.918	17.946	VV	6225	100520	1.05%	0.042%
256	17.994	17.946	18.067	VV	14710	668536	6.97%	0.281%
257	18.075	18.067	18.081	VV	7246	60145	0.63%	0.025%
258	18.098	18.081	18.124	VV	7841	186458	1.94%	0.078%
259	18.142	18.124	18.154	VV	8686	139100	1.45%	0.059%
260	18.243	18.154	18.259	VV	313901	5256845	54.78%	2.213%
261	18.280	18.259	18.322	VV	333474	4683561	48.81%	1.972%
262	18.333	18.322	18.343	VV	10852	129154	1.35%	0.054%
263	18.367	18.343	18.424	VV	18405	587466	6.12%	0.247%
264	18.438	18.424	18.458	VV	10306	193114	2.01%	0.081%
265	18.500	18.458	18.548	VV	300762	4592181	47.85%	1.933%
266	18.575	18.548	18.611	VV	10147	349396	3.64%	0.147%
267	18.674	18.611	18.722	VV	299815	4805037	50.07%	2.023%
268	18.787	18.722	18.808	VV	16771	647310	6.75%	0.272%
269	18.838	18.808	18.864	VV	16214	465261	4.85%	0.196%
270	18.874	18.864	18.900	VV	12786	260573	2.72%	0.110%
271	18.921	18.900	18.940	VV	13095	291400	3.04%	0.123%
272	18.952	18.940	18.981	VV	13142	309380	3.22%	0.130%
273	19.031	18.981	19.042	VV	16899	504801	5.26%	0.212%
274	19.071	19.042	19.100	VV	16527	539672	5.62%	0.227%
275	19.118	19.100	19.154	VV	16619	467753	4.87%	0.197%
276	19.184	19.154	19.234	VV	16407	710054	7.40%	0.299%
277	19.271	19.234	19.285	VV	16281	465565	4.85%	0.196%
278	19.307	19.285	19.322	VV	16330	351872	3.67%	0.148%
279	19.343	19.322	19.362	VV	16509	386298	4.03%	0.163%
280	19.458	19.362	19.494	VV	322676	5622097	58.59%	2.367%
281	19.508	19.494	19.529	VV	20166	401036	4.18%	0.169%
282	19.593	19.529	19.607	VV	22557	967458	10.08%	0.407%
283	19.676	19.607	19.685	VV	23100	1034377	10.78%	0.435%
284	19.703	19.685	19.729	VV	23498	603763	6.29%	0.254%
285	19.752	19.729	19.763	VV	23001	446664	4.65%	0.188%
286	19.773	19.763	19.787	VV	22771	326295	3.40%	0.137%
287	19.830	19.787	19.847	VV	28675	928935	9.68%	0.391%
288	19.891	19.847	19.903	VV	27872	876408	9.13%	0.369%
289	19.915	19.903	19.930	VV	26646	429101	4.47%	0.181%
290	19.943	19.930	19.960	VV	27630	474387	4.94%	0.200%
291	19.998	19.960	20.044	VV	30899	1409706	14.69%	0.593%
292	20.200	20.044	20.240	VV	324359	7788712	81.16%	3.279%
293	20.253	20.240	20.266	VV	34683	532463	5.55%	0.224%
294	20.276	20.266	20.315	VV	34628	943661	9.83%	0.397%
295	20.360	20.315	20.400	VV	36070	1695893	17.67%	0.714%
296	20.428	20.400	20.448	VV	33123	916622	9.55%	0.386%
297	20.482	20.448	20.492	VV	33242	849537	8.85%	0.358%
298	20.506	20.492	20.539	VV	34124	936412	9.76%	0.394%
299	20.559	20.539	20.599	VV	32979	1121886	11.69%	0.472%

					rteres			
300	20.679	20.599	20.749	VV	32490	2689798	28.03%	1.132%
301	20.761	20.749	20.798	VV	27390	746935	7.78%	0.314%
302	20.807	20.798	20.821	VV	26040	351774	3.67%	0.148%
303	20.839	20.821	20.853	VV	24688	470732	4.91%	0.198%
304	20.906	20.853	20.919	VV	26872	1001155	10.43%	0.421%
305	20.970	20.919	21.051	VV	252229	6313905	65.80%	2.658%
306	21.061	21.051	21.128	VV	25376	1105744	11.52%	0.465%
307	21.137	21.128	21.204	VV	23119	910773	9.49%	0.383%
308	21.229	21.204	21.245	VV	18558	435831	4.54%	0.183%
309	21.258	21.245	21.267	VV	17954	231841	2.42%	0.098%
310	21.278	21.267	21.300	VV	18339	339380	3.54%	0.143%
311	21.358	21.300	21.381	VV	18618	860373	8.97%	0.362%
312	21.408	21.381	21.448	VV	19118	700776	7.30%	0.295%
313	21.462	21.448	21.552	VV	16629	957675	9.98%	0.403%
314	21.627	21.552	21.771	VV	13782	1471801	15.34%	0.620%
315	21.797	21.771	21.818	VV	8462	217727	2.27%	0.092%
316	21.941	21.818	22.007	VV	184250	5172149	53.90%	2.177%
317	22.063	22.007	22.074	VV	10449	391718	4.08%	0.165%
318	22.084	22.074	22.099	VV	9455	133739	1.39%	0.056%
319	22.111	22.099	22.128	VV	8945	144423	1.51%	0.061%
320	22.163	22.128	22.212	VV	7870	356197	3.71%	0.150%
321	22.220	22.212	22.289	VV	6747	151540	1.58%	0.064%
322	22.298	22.289	22.306	PV	679	3314	0.03%	0.001%
323	22.375	22.306	22.397	VV	2316	60652	0.63%	0.026%
324	22.432	22.397	22.442	PV	1507	36153	0.38%	0.015%
					Sum of corrected areas: 237562094			

Aliphatic EPH 061825.M Thu Jul 03 02:49:21 2025



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

Manual Integration Report

Sequence:

FC061825AL

Instrument

FID_c

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

FC070225AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC069355.D	n-Tetracontane (C40)	yogesh	7/3/2025 7:25:35 AM	mohammad	7/4/2025 4:31:59	Peak Integrated by Software
PB168702BS	FC069357.D	n-Tetracontane (C40)	yogesh	7/3/2025 7:25:37 AM	mohammad	7/4/2025 4:31:59	Peak Integrated by Software
PB168702BSD	FC069358.D	n-Tetracontane (C40)	yogesh	7/3/2025 7:25:39 AM	mohammad	7/4/2025 4:31:59	Peak Integrated by Software

Manual Integration Report

Sequence:

FE062725AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
50 PPM ALIPHATIC HC	FE054609.D	n-Octatriacontane (C38)	yogesh	6/30/2025 7:50:48 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software
50 PPM ALIPHATIC HC	FE054609.D	n-Tetracontane (C40)	yogesh	6/30/2025 7:50:48 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software
Q2429-02	FE054617.D	ortho-Terphenyl (SURR)	yogesh	6/30/2025 7:50:50 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054624.D	n-Hexacosane (C26)	yogesh	6/30/2025 7:50:52 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054624.D	n-Tetracontane (C40)	yogesh	6/30/2025 7:50:52 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software



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

Manual Integration Report

Sequence:

FE070225AL

Instrument

FID_e

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

FE070725AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE054697.D	n-Hexatriacontane (C36)	yogesh	7/7/2025 11:32:52 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054697.D	n-Tetracosane (C24)	yogesh	7/7/2025 11:32:52 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2491-02DL	FE054702.D	ortho-Terphenyl (SURR)	yogesh	7/8/2025 7:43:15 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054704.D	n-Hexatriacontane (C36)	yogesh	7/8/2025 7:43:13 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054704.D	n-Octatriacontane (C38)	yogesh	7/8/2025 7:43:13 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054704.D	n-Tetracontane (C40)	yogesh	7/8/2025 7:43:13 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054704.D	n-Tetracosane (C24)	yogesh	7/8/2025 7:43:13 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2487-14	FE054710.D	1-chlorooctadecane (SURR)	yogesh	7/8/2025 7:43:17 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2487-16	FE054712.D	1-chlorooctadecane (SURR)	yogesh	7/8/2025 7:43:19 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054714.D	n-Dotriacontane (C32)	yogesh	7/8/2025 7:43:20 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054714.D	n-Hexatriacontane (C36)	yogesh	7/8/2025 7:43:20 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054714.D	n-Tetratriacontane (C34)	yogesh	7/8/2025 7:43:20 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054714.D	n-Tricontane (C30)	yogesh	7/8/2025 7:43:20 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software

Manual Integration Report

Sequence:

FE070725AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2507-01	FE054717.D	ortho-Terphenyl (SURR)	yogesh	7/8/2025 7:43:22 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2507-02	FE054718.D	ortho-Terphenyl (SURR)	yogesh	7/8/2025 7:43:24 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2513-01	FE054719.D	1-chlorooctadecane (SURR)	yogesh	7/8/2025 7:43:26 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2513-01	FE054719.D	ortho-Terphenyl (SURR)	yogesh	7/8/2025 7:43:26 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2513-02	FE054720.D	1-chlorooctadecane (SURR)	yogesh	7/8/2025 7:43:27 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2513-02	FE054720.D	ortho-Terphenyl (SURR)	yogesh	7/8/2025 7:43:27 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054724.D	n-Docosane (C22)	yogesh	7/8/2025 7:43:40 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054724.D	n-Hexatriacontane (C36)	yogesh	7/8/2025 7:43:40 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054724.D	n-Octatriacontane (C38)	yogesh	7/8/2025 7:43:40 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054724.D	n-Tetracosane (C24)	yogesh	7/8/2025 7:43:40 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC061825AL

Review By	yogesh	Review On	6/18/2025 1:05:10 PM
Supervise By	mohammad	Supervise On	6/20/2025 3:01:04 AM
SubDirectory	FC061825AL	HP Acquire Method	HP Processing Method FC061825AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069219.D	18 Jun 2025 09:57	YP/AJ	Ok
2	I.BLK	FC069220.D	18 Jun 2025 10:37	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC069221.D	18 Jun 2025 11:17	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC069222.D	18 Jun 2025 11:58	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC069223.D	18 Jun 2025 12:39	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC069224.D	18 Jun 2025 13:20	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC069225.D	18 Jun 2025 14:03	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC069226.D	18 Jun 2025 14:45	YP/AJ	Ok
9	I.BLK	FC069227.D	18 Jun 2025 15:28	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069228.D	18 Jun 2025 16:12	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC070225AL

Review By	yogesh	Review On	7/2/2025 1:47:24 PM
Supervise By	mohammad	Supervise On	7/4/2025 4:31:59 AM
SubDirectory	FC070225AL	HP Acquire Method	HP Processing Method FC061825AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069353.D	02 Jul 2025 11:16	YP/AJ	Ok
2	I.BLK	FC069354.D	02 Jul 2025 12:05	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069355.D	02 Jul 2025 12:53	YP/AJ	Ok,M
4	PB168702BL	FC069356.D	02 Jul 2025 16:50	YP/AJ	Ok
5	PB168702BS	FC069357.D	02 Jul 2025 17:37	YP/AJ	Ok,M
6	PB168702BSD	FC069358.D	02 Jul 2025 18:27	YP/AJ	Ok,M
7	Q2478-01	FC069359.D	02 Jul 2025 19:14	YP/AJ	Ok
8	Q2478-01D	FC069360.D	02 Jul 2025 20:02	YP/AJ	Ok
9	Q2478-01MS	FC069361.D	02 Jul 2025 20:47	YP/AJ	Ok
10	Q2478-01MSD	FC069362.D	02 Jul 2025 21:34	YP/AJ	Ok
11	Q2478-02	FC069363.D	02 Jul 2025 22:20	YP/AJ	Ok
12	I.BLK	FC069364.D	02 Jul 2025 23:52	YP/AJ	Ok
13	20 PPM ALIPHATIC HC STD	FC069365.D	03 Jul 2025 00:37	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE062725AL

Review By	yogesh	Review On	6/27/2025 12:30:13 PM
Supervise By	mohammad	Supervise On	6/30/2025 9:33:27 AM
SubDirectory	FE062725AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE054606.D	27 Jun 2025 11:53	YP\AJ	Ok
2	I.BLK	FE054607.D	27 Jun 2025 12:23	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE054608.D	27 Jun 2025 12:53	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE054609.D	27 Jun 2025 13:23	YP\AJ	Ok,M
5	20 PPM ALIPHATIC HC STD3	FE054610.D	27 Jun 2025 13:53	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE054611.D	27 Jun 2025 14:23	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE054612.D	27 Jun 2025 14:54	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE054613.D	27 Jun 2025 15:24	YP\AJ	Ok
9	I.BLK	FE054614.D	27 Jun 2025 15:54	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE054615.D	27 Jun 2025 16:24	YP\AJ	Ok
11	Q2429-01	FE054616.D	27 Jun 2025 16:54	YP\AJ	Ok
12	Q2429-02	FE054617.D	27 Jun 2025 17:25	YP\AJ	Ok,M
13	Q2431-01	FE054618.D	27 Jun 2025 17:55	YP\AJ	Ok
14	Q2431-02	FE054619.D	27 Jun 2025 18:25	YP\AJ	Not Ok
15	Q2431-03	FE054620.D	27 Jun 2025 18:55	YP\AJ	Ok
16	Q2431-04	FE054621.D	27 Jun 2025 19:25	YP\AJ	Ok
17	Q2431-05	FE054622.D	27 Jun 2025 19:56	YP\AJ	Not Ok
18	I.BLK	FE054623.D	27 Jun 2025 20:56	YP\AJ	Ok
19	20 PPM ALIPHATIC HC STD	FE054624.D	27 Jun 2025 22:57	YP\AJ	Ok,M

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE070225AL

Review By	yogesh	Review On	7/2/2025 10:37:50 AM
Supervise By	mohammad	Supervise On	7/4/2025 4:32:22 AM
SubDirectory	FE070225AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE054664.D	02 Jul 2025 06:12	YP\AJ	Ok
2	I.BLK	FE054665.D	02 Jul 2025 06:42	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE054666.D	02 Jul 2025 07:12	YP\AJ	Ok
4	Q2464-02DL	FE054667.D	02 Jul 2025 07:58	YP\AJ	Ok
5	I.BLK	FE054668.D	02 Jul 2025 11:37	YP\AJ	Ok
6	20 PPM ALIPHATIC HC STD	FE054669.D	02 Jul 2025 12:08	YP\AJ	Ok
7	Q2475-01	FE054670.D	02 Jul 2025 16:49	YP\AJ	Ok
8	Q2475-02	FE054671.D	02 Jul 2025 17:19	YP\AJ	Ok
9	Q2480-01	FE054672.D	02 Jul 2025 17:50	YP\AJ	Ok
10	Q2480-02	FE054673.D	02 Jul 2025 18:20	YP\AJ	Ok
11	Q2480-03	FE054674.D	02 Jul 2025 18:51	YP\AJ	Ok
12	Q2480-04	FE054675.D	02 Jul 2025 19:21	YP\AJ	Ok
13	Q2480-05	FE054676.D	02 Jul 2025 19:52	YP\AJ	Dilution
14	Q2480-06	FE054677.D	02 Jul 2025 20:23	YP\AJ	Ok
15	Q2480-07	FE054678.D	02 Jul 2025 20:53	YP\AJ	Ok
16	Q2480-08	FE054679.D	02 Jul 2025 21:24	YP\AJ	Ok
17	I.BLK	FE054680.D	02 Jul 2025 22:25	YP\AJ	Ok
18	20 PPM ALIPHATIC HC STD	FE054681.D	02 Jul 2025 22:55	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE070725AL

Review By	yogesh	Review On	7/7/2025 11:20:48 AM
Supervise By	mohammad	Supervise On	7/8/2025 9:14:49 AM
SubDirectory	FE070725AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE054695.D	07 Jul 2025 08:46	YP\AJ	Ok
2	I.BLK	FE054696.D	07 Jul 2025 09:17	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE054697.D	07 Jul 2025 09:47	YP\AJ	Ok,M
4	Q2480-05DL	FE054698.D	07 Jul 2025 10:24	YP\AJ	Ok
5	Q2491-01	FE054699.D	07 Jul 2025 10:55	YP\AJ	Dilution
6	Q2491-02	FE054700.D	07 Jul 2025 11:25	YP\AJ	Dilution
7	Q2491-01DL	FE054701.D	07 Jul 2025 11:56	YP\AJ	Ok
8	Q2491-02DL	FE054702.D	07 Jul 2025 12:26	YP\AJ	Ok,M
9	I.BLK	FE054703.D	07 Jul 2025 13:27	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE054704.D	07 Jul 2025 13:58	YP\AJ	Ok,M
11	Q2487-09	FE054705.D	07 Jul 2025 14:59	YP\AJ	Ok
12	Q2487-10	FE054706.D	07 Jul 2025 15:29	YP\AJ	Ok
13	Q2487-11	FE054707.D	07 Jul 2025 16:00	YP\AJ	Dilution
14	Q2487-12	FE054708.D	07 Jul 2025 16:30	YP\AJ	Ok
15	Q2487-13	FE054709.D	07 Jul 2025 17:01	YP\AJ	Dilution
16	Q2487-14	FE054710.D	07 Jul 2025 17:32	YP\AJ	Dilution
17	Q2487-15	FE054711.D	07 Jul 2025 18:02	YP\AJ	Dilution
18	Q2487-16	FE054712.D	07 Jul 2025 18:33	YP\AJ	Dilution
19	I.BLK	FE054713.D	07 Jul 2025 19:34	YP\AJ	Ok
20	20 PPM ALIPHATIC HC STD	FE054714.D	07 Jul 2025 20:35	YP\AJ	Ok,M
21	Q2503-03	FE054715.D	07 Jul 2025 21:05	YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE070725AL

Review By	yogesh	Review On	7/7/2025 11:20:48 AM
Supervise By	mohammad	Supervise On	7/8/2025 9:14:49 AM
SubDirectory	FE070725AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179		

22	Q2503-04	FE054716.D	07 Jul 2025 21:36	YP\AJ	Ok
23	Q2507-01	FE054717.D	07 Jul 2025 22:06	YP\AJ	Dilution
24	Q2507-02	FE054718.D	07 Jul 2025 22:36	YP\AJ	Dilution
25	Q2513-01	FE054719.D	07 Jul 2025 23:07	YP\AJ	Dilution
26	Q2513-02	FE054720.D	07 Jul 2025 23:37	YP\AJ	Dilution
27	Q2513-03	FE054721.D	08 Jul 2025 00:08	YP\AJ	Dilution
28	Q2513-04	FE054722.D	08 Jul 2025 00:38	YP\AJ	Dilution
29	I.BLK	FE054723.D	08 Jul 2025 01:39	YP\AJ	Ok
30	20 PPM ALIPHATIC HC STD	FE054724.D	08 Jul 2025 02:09	YP\AJ	Ok,M

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC061825AL

Review By	yogesh	Review On	6/18/2025 1:05:10 PM
Supervise By	mohammad	Supervise On	6/20/2025 3:01:04 AM
SubDirectory	FC061825AL	HP Acquire Method	HP Processing Method FC061825AL

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069219.D	18 Jun 2025 09:57		YP/AJ	Ok
2	I.BLK	I.BLK	FC069220.D	18 Jun 2025 10:37		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC069221.D	18 Jun 2025 11:17		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC069222.D	18 Jun 2025 11:58		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069223.D	18 Jun 2025 12:39		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC069224.D	18 Jun 2025 13:20		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC069225.D	18 Jun 2025 14:03		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069226.D	18 Jun 2025 14:45		YP/AJ	Ok
9	I.BLK	I.BLK	FC069227.D	18 Jun 2025 15:28		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069228.D	18 Jun 2025 16:12		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC070225AL

Review By	yogesh	Review On	7/2/2025 1:47:24 PM
Supervise By	mohammad	Supervise On	7/4/2025 4:31:59 AM
SubDirectory	FC070225AL	HP Acquire Method	HP Processing Method FC061825AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069353.D	02 Jul 2025 11:16		YP/AJ	Ok
2	I.BLK	I.BLK	FC069354.D	02 Jul 2025 12:05		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069355.D	02 Jul 2025 12:53		YP/AJ	Ok,M
4	PB168702BL	PB168702BL	FC069356.D	02 Jul 2025 16:50		YP/AJ	Ok
5	PB168702BS	PB168702BS	FC069357.D	02 Jul 2025 17:37		YP/AJ	Ok,M
6	PB168702BSD	PB168702BSD	FC069358.D	02 Jul 2025 18:27		YP/AJ	Ok,M
7	Q2478-01	WC-1	FC069359.D	02 Jul 2025 19:14		YP/AJ	Ok
8	Q2478-01D	Q2478-01D	FC069360.D	02 Jul 2025 20:02		YP/AJ	Ok
9	Q2478-01MS	WC-1MS	FC069361.D	02 Jul 2025 20:47	FC069359.D	YP/AJ	Ok
10	Q2478-01MSD	WC-1MSD	FC069362.D	02 Jul 2025 21:34	FC069359.D!FC069361.D	YP/AJ	Ok
11	Q2478-02	WC-1-EPH	FC069363.D	02 Jul 2025 22:20		YP/AJ	Ok
12	I.BLK	I.BLK	FC069364.D	02 Jul 2025 23:52		YP/AJ	Ok
13	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069365.D	03 Jul 2025 00:37		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE062725AL

Review By	yogesh	Review On	6/27/2025 12:30:13 PM
Supervise By	mohammad	Supervise On	6/30/2025 9:33:27 AM
SubDirectory	FE062725AL	HP Acquire Method	HP Processing Method
			FE062725AL

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC Internal Standard/PEM	PP24176
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE054606.D	27 Jun 2025 11:53		YPIAJ	Ok
2	I.BLK	I.BLK	FE054607.D	27 Jun 2025 12:23		YPIAJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE054608.D	27 Jun 2025 12:53		YPIAJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE054609.D	27 Jun 2025 13:23		YPIAJ	Ok,M
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054610.D	27 Jun 2025 13:53		YPIAJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE054611.D	27 Jun 2025 14:23		YPIAJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE054612.D	27 Jun 2025 14:54		YPIAJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054613.D	27 Jun 2025 15:24		YPIAJ	Ok
9	I.BLK	I.BLK	FE054614.D	27 Jun 2025 15:54		YPIAJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054615.D	27 Jun 2025 16:24		YPIAJ	Ok
11	Q2429-01	TP-4	FE054616.D	27 Jun 2025 16:54		YPIAJ	Ok
12	Q2429-02	TP-4-EPH	FE054617.D	27 Jun 2025 17:25		YPIAJ	Ok,M
13	Q2431-01	S-1	FE054618.D	27 Jun 2025 17:55		YPIAJ	Ok
14	Q2431-02	Q2431-02	FE054619.D	27 Jun 2025 18:25	Need to run again	YPIAJ	Not Ok
15	Q2431-03	S-3	FE054620.D	27 Jun 2025 18:55		YPIAJ	Ok
16	Q2431-04	S-4	FE054621.D	27 Jun 2025 19:25		YPIAJ	Ok
17	Q2431-05	Q2431-05	FE054622.D	27 Jun 2025 19:56	Need to run again	YPIAJ	Not Ok
18	I.BLK	I.BLK	FE054623.D	27 Jun 2025 20:56		YPIAJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE062725AL

Review By	yogesh	Review On	6/27/2025 12:30:13 PM
Supervise By	mohammad	Supervise On	6/30/2025 9:33:27 AM
SubDirectory	FE062725AL	HP Acquire Method	HP Processing Method FE062725AL

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC Internal Standard/PEM	PP24176
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179

19	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054624.D	27 Jun 2025 22:57		YP\AJ	Ok,M
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M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE070225AL

Review By	yogesh	Review On	7/2/2025 10:37:50 AM
Supervise By	mohammad	Supervise On	7/4/2025 4:32:22 AM
SubDirectory	FE070225AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE054664.D	02 Jul 2025 06:12		YP\AJ	Ok
2	I.BLK	I.BLK	FE054665.D	02 Jul 2025 06:42		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054666.D	02 Jul 2025 07:12		YP\AJ	Ok
4	Q2464-02DL	OR-3-063025-E2DL	FE054667.D	02 Jul 2025 07:58		YP\AJ	Ok
5	I.BLK	I.BLK	FE054668.D	02 Jul 2025 11:37		YP\AJ	Ok
6	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054669.D	02 Jul 2025 12:08		YP\AJ	Ok
7	Q2475-01	SOIL-PILE	FE054670.D	02 Jul 2025 16:49		YP\AJ	Ok
8	Q2475-02	SOIL-PILE-E2	FE054671.D	02 Jul 2025 17:19		YP\AJ	Ok
9	Q2480-01	GPX1	FE054672.D	02 Jul 2025 17:50		YP\AJ	Ok
10	Q2480-02	GPX2	FE054673.D	02 Jul 2025 18:20		YP\AJ	Ok
11	Q2480-03	GPX3	FE054674.D	02 Jul 2025 18:51		YP\AJ	Ok
12	Q2480-04	GPX4	FE054675.D	02 Jul 2025 19:21		YP\AJ	Ok
13	Q2480-05	GPX5	FE054676.D	02 Jul 2025 19:52	Need 2X	YP\AJ	Dilution
14	Q2480-06	GPX6	FE054677.D	02 Jul 2025 20:23		YP\AJ	Ok
15	Q2480-07	GPX7	FE054678.D	02 Jul 2025 20:53		YP\AJ	Ok
16	Q2480-08	GPX8	FE054679.D	02 Jul 2025 21:24		YP\AJ	Ok
17	I.BLK	I.BLK	FE054680.D	02 Jul 2025 22:25		YP\AJ	Ok
18	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054681.D	02 Jul 2025 22:55		YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE070225AL

Review By	yogesh	Review On	7/2/2025 10:37:50 AM
Supervise By	mohammad	Supervise On	7/4/2025 4:32:22 AM
SubDirectory	FE070225AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE070725AL

Review By	yogesh	Review On	7/7/2025 11:20:48 AM
Supervise By	mohammad	Supervise On	7/8/2025 9:14:49 AM
SubDirectory	FE070725AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE054695.D	07 Jul 2025 08:46		YP\AJ	Ok
2	I.BLK	I.BLK	FE054696.D	07 Jul 2025 09:17		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054697.D	07 Jul 2025 09:47		YP\AJ	Ok,M
4	Q2480-05DL	GPX5DL	FE054698.D	07 Jul 2025 10:24		YP\AJ	Ok
5	Q2491-01	EO-1-070225	FE054699.D	07 Jul 2025 10:55	Need 10x	YP\AJ	Dilution
6	Q2491-02	EO-1-070225-E2	FE054700.D	07 Jul 2025 11:25	Need 10x	YP\AJ	Dilution
7	Q2491-01DL	EO-1-070225DL	FE054701.D	07 Jul 2025 11:56		YP\AJ	Ok
8	Q2491-02DL	EO-1-070225-E2DL	FE054702.D	07 Jul 2025 12:26		YP\AJ	Ok,M
9	I.BLK	I.BLK	FE054703.D	07 Jul 2025 13:27		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054704.D	07 Jul 2025 13:58		YP\AJ	Ok,M
11	Q2487-09	G4(0-6)	FE054705.D	07 Jul 2025 14:59		YP\AJ	Ok
12	Q2487-10	G4(6-12)	FE054706.D	07 Jul 2025 15:29		YP\AJ	Ok
13	Q2487-11	G3(0-6)	FE054707.D	07 Jul 2025 16:00	need 5x dilution	YP\AJ	Dilution
14	Q2487-12	G3(6-12)	FE054708.D	07 Jul 2025 16:30		YP\AJ	Ok
15	Q2487-13	G2(0-6)	FE054709.D	07 Jul 2025 17:01	need 2x dilution	YP\AJ	Dilution
16	Q2487-14	G2(6-12)	FE054710.D	07 Jul 2025 17:32	need 5x dilution	YP\AJ	Dilution
17	Q2487-15	G1(0-6)	FE054711.D	07 Jul 2025 18:02	need 5x dilution	YP\AJ	Dilution
18	Q2487-16	G1(6-12)	FE054712.D	07 Jul 2025 18:33	need 5x dilution	YP\AJ	Dilution

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE070725AL

Review By	yogesh	Review On	7/7/2025 11:20:48 AM
Supervise By	mohammad	Supervise On	7/8/2025 9:14:49 AM
SubDirectory	FE070725AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	I.BLK	I.BLK	FE054713.D	07 Jul 2025 19:34		YP\AJ	Ok
20	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054714.D	07 Jul 2025 20:35		YP\AJ	Ok,M
21	Q2503-03	GCAP2	FE054715.D	07 Jul 2025 21:05		YP\AJ	Ok
22	Q2503-04	GCAP3	FE054716.D	07 Jul 2025 21:36		YP\AJ	Ok
23	Q2507-01	SU-04-7.3-2025	FE054717.D	07 Jul 2025 22:06	need 5x dilution	YP\AJ	Dilution
24	Q2507-02	SU-04-7.3-2025-EPH	FE054718.D	07 Jul 2025 22:36	need 2x dilution	YP\AJ	Dilution
25	Q2513-01	HR-2-070325	FE054719.D	07 Jul 2025 23:07	need 10x dilution	YP\AJ	Dilution
26	Q2513-02	HR-2-070325-E2	FE054720.D	07 Jul 2025 23:37	need 10x dilution	YP\AJ	Dilution
27	Q2513-03	HR-3-070325	FE054721.D	08 Jul 2025 00:08	need 2x dilution	YP\AJ	Dilution
28	Q2513-04	HR-3-070325-E2	FE054722.D	08 Jul 2025 00:38	need 2x dilution	YP\AJ	Dilution
29	I.BLK	I.BLK	FE054723.D	08 Jul 2025 01:39		YP\AJ	Ok
30	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054724.D	08 Jul 2025 02:09		YP\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 07/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136354

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
Q2480-01	GPX1	1	1.15	10.52	11.67	10.44	88.3	
Q2480-02	GPX2	2	1.19	10.60	11.79	10.66	89.3	
Q2480-03	GPX3	3	1.15	10.84	11.99	10.77	88.7	
Q2480-04	GPX4	4	1.13	10.84	11.97	10.66	87.9	
Q2480-05	GPX5	5	1.13	10.53	11.66	10.55	89.5	
Q2480-06	GPX6	6	1.17	10.56	11.73	10.35	86.9	
Q2480-07	GPX7	7	1.18	10.59	11.77	10.48	87.8	
Q2480-08	GPX8	8	1.18	10.37	11.55	10.22	87.2	
Q2484-01	TP-58	9	1.19	10.77	11.96	10.47	86.2	
Q2484-02	TP-57	10	1.18	10.22	11.4	9.97	86.0	
Q2484-03	TP-64	11	1.16	10.50	11.66	10.44	88.4	
Q2484-04	TP-107	12	1.13	10.69	11.82	10.09	83.8	
Q2484-05	TP-1006	13	1.14	10.48	11.62	10.35	87.9	
Q2484-06	TP-104	14	1.15	10.29	11.44	10.13	87.3	
Q2486-01	WASTE	15	1.16	10.31	11.47	9.77	83.5	
Q2486-02	VOC	16	1.18	11.32	12.5	10.65	83.7	
Q2486-03	1	17	1.15	10.80	11.95	10.24	84.2	
Q2486-04	2	18	1.13	10.46	11.59	9.74	82.3	
Q2486-05	3	19	1.13	10.78	11.91	10.12	83.4	
Q2486-06	4	20	1.19	10.00	11.19	9.65	84.6	
Q2486-07	5	21	1.19	10.26	11.45	8.79	74.1	
Q2491-01	EO-1-070225	22	1.19	10.51	11.7	10.9	92.4	
Q2491-02	EO-1-070225-E2	23	1.15	10.14	11.29	10.5	92.2	
Q2492-01	VNJ-254-1	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2492-02	VNJ-254-2	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2493-01	WC-11	26	1.13	10.45	11.58	10.4	88.7	
Q2493-02	WC-11-EPH	27	1.19	10.23	11.42	9.72	83.4	
Q2493-03	WC-11-VOC	28	1.14	9.89	11.03	10.2	91.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 07/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136354

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
Q2494-01	Playhouse/Storag	35	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q2494-02	Playhouse/Storag	36	1.00	1.00	2.00	2.00	100.0	chair form
Q2494-03	Garage Seat Foa	37	1.00	1.00	2.00	2.00	100.0	seat form
Q2494-04	Black foam in Sou	38	1.00	1.00	2.00	2.00	100.0	black form
Q2494-05	Kids Room styof	39	1.00	1.00	2.00	2.00	100.0	yellow form
Q2494-06	Kids Room Lower	40	1.00	1.00	2.00	2.00	100.0	form
Q2494-07	Kids Room styof	41	1.00	1.00	2.00	2.00	100.0	styra form
Q2494-08	Dog Beg Foam	42	1.00	1.00	2.00	2.00	100.0	bag form
Q2494-09	Cotton Layer - Ott	43	1.00	1.00	2.00	2.00	100.0	cotton layer
Q2494-10	Foam Ottoman	44	1.00	1.00	2.00	2.00	100.0	form ottoman
Q2494-11	Foyer North Wall	45	1.00	1.00	2.00	2.00	100.0	foyer north wall plug
Q2494-12	NE Stucco Exterio	46	1.00	1.00	2.00	2.00	100.0	stucco exterior
Q2494-13	Master Mattress	47	1.00	1.00	2.00	2.00	100.0	mattress
Q2495-01	Chair Foam Parke	48	1.00	1.00	2.00	2.00	100.0	chair form
Q2495-02	SE Bedroom (3rd	49	1.00	1.00	2.00	2.00	100.0	mattress
Q2495-03	E Bedroom Ceilin	50	1.00	1.00	2.00	2.00	100.0	ceiling plug
Q2495-04	South East Ceilining	51	1.00	1.00	2.00	2.00	100.0	east selling plug
Q2495-05	Master Bathroom	52	1.00	1.00	2.00	2.00	100.0	selling plug
Q2495-06	3rd Fl Hallway N	53	1.00	1.00	2.00	2.00	100.0	hoalway selling
Q2495-07	SE Bedroom Park	54	1.00	1.00	2.00	2.00	100.0	bedrom plug
Q2495-08	Family Room SW	55	1.00	1.00	2.00	2.00	100.0	family plug
Q2495-09	Foyer SE Corner P	56	1.00	1.00	2.00	2.00	100.0	foyer plug
Q2495-10	Green Carpet Pad	57	1.00	1.00	2.00	2.00	100.0	green carpet pad
Q2495-11	Rug in Dining Roo	58	1.00	1.00	2.00	2.00	100.0	rug
Q2495-12	LR Couch Cushion	59	1.00	1.00	2.00	2.00	100.0	couch cushion
Q2495-13	Dining Room W	60	1.00	1.00	2.00	2.00	100.0	wood and foam
Q2495-14	Kitchen Dining E	61	1.00	1.00	2.00	2.00	100.0	kithean rug
Q2495-15	Garage Southwes	62	1.00	1.00	2.00	2.00	100.0	plug

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 07/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136354

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
Q2495-16	Zack"s Matterss	63	1.00	1.00	2.00	2.00	100.0	mattess
Q2495-17	Zack"s Couch	64	1.00	1.00	2.00	2.00	100.0	zacks couch
Q2496-02	N exterior center	65	1.00	1.00	2.00	2.00	100.0	stucco wall
Q2496-03	Basement south	66	1.00	1.00	2.00	2.00	100.0	wall cavity stucc
Q2496-04	Entertainment ro	67	1.00	1.00	2.00	2.00	100.0	hvac close
Q2496-05	Black mat outside	68	1.00	1.00	2.00	2.00	100.0	outside mat
Q2496-06	Basement bedroom	69	1.00	1.00	2.00	2.00	100.0	bedrom form
Q2496-07	Basement bedroom-1	70	1.00	1.00	2.00	2.00	100.0	window plug
Q2496-08	Basement bedroom-2	71	1.00	1.00	2.00	2.00	100.0	window plug
Q2496-09	Maeve"s room ma	72	1.00	1.00	2.00	2.00	100.0	mattess
Q2496-10	Master bedroom	73	1.00	1.00	2.00	2.00	100.0	rug
Q2496-11	Master bedroom-1	74	1.00	1.00	2.00	2.00	100.0	chair form
Q2496-12	Master bedroom-2	75	1.00	1.00	2.00	2.00	100.0	mattess form
Q2496-13	Master bedroom-3	76	1.00	1.00	2.00	2.00	100.0	office chair form
Q2496-14	SE bedroom brow	77	1.00	1.00	2.00	2.00	100.0	form
Q2496-15	SE bedroom gray	78	1.00	1.00	2.00	2.00	100.0	gray cushion
Q2496-16	Maeves room gre	79	1.00	1.00	2.00	2.00	100.0	chair form
Q2496-17	Master bedroom-4	80	1.00	1.00	2.00	2.00	100.0	plug
Q2496-18	3rd floor roof ent	81	1.00	1.00	2.00	2.00	100.0	plug
Q2496-19	Living room couc	82	1.00	1.00	2.00	2.00	100.0	couch form
Q2496-20	Living room 2 sea	83	1.00	1.00	2.00	2.00	100.0	form
Q2496-21	Office leather cha	84	1.00	1.00	2.00	2.00	100.0	form
Q2496-22	Pink shoe sole	85	1.00	1.00	2.00	2.00	100.0	shoe sole
Q2496-23	Living room rug S	86	1.00	1.00	2.00	2.00	100.0	rug
Q2496-24	Dining room NE c	87	1.00	1.00	2.00	2.00	100.0	plug
Q2497-01	SW bedroom (San	88	1.00	1.00	2.00	2.00	100.0	plug
Q2497-02	Salman s room SE	89	1.00	1.00	2.00	2.00	100.0	plug compossi
Q2497-03	Sanah s room bed	90	1.00	1.00	2.00	2.00	100.0	sanah form

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 07/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136354

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
Q2497-04	Salman s room m	91	1.00	1.00	2.00	2.00	100.0	mattess form
Q2497-05	Master bed mattr	92	1.00	1.00	2.00	2.00	100.0	mattess
Q2497-06	Kaihaan s room m	93	1.00	1.00	2.00	2.00	100.0	form
Q2497-07	Garage foam yog	94	1.00	1.00	2.00	2.00	100.0	garage foam
Q2497-08	Living room west	95	1.00	1.00	2.00	2.00	100.0	form
Q2497-09	Entrance rug	96	1.00	1.00	2.00	2.00	100.0	rug
Q2497-10	south exterior re	97	1.00	1.00	2.00	2.00	100.0	form
Q2497-11	Garage gym floor	98	1.00	1.00	2.00	2.00	100.0	garage foam
Q2497-12	Rug by the back d	99	1.00	1.00	2.00	2.00	100.0	rug
Q2497-13	Guest bed mattre	100	1.00	1.00	2.00	2.00	100.0	mattess
Q2497-14	Garage backyard	101	1.00	1.00	2.00	2.00	100.0	garage foam
Q2497-15	LR SW conner chai	102	1.00	1.00	2.00	2.00	100.0	form
Q2497-16	Living room NE co	103	1.00	1.00	2.00	2.00	100.0	catters
Q2497-17	Dining room SW c	104	1.00	1.00	2.00	2.00	100.0	chair form
Q2497-18	LR SW rug corner	105	1.00	1.00	2.00	2.00	100.0	rug
Q2497-19	LR west wall plug	106	1.00	1.00	2.00	2.00	100.0	plug
Q2497-20	LR NE corner plug	107	1.00	1.00	2.00	2.00	100.0	plug
Q2497-21	office east wall pl	108	1.00	1.00	2.00	2.00	100.0	plug
Q2497-22	Bedroom north w	109	1.00	1.00	2.00	2.00	100.0	plug
Q2497-23	Kitchen ceiling pl	110	1.00	1.00	2.00	2.00	100.0	ceilling plug
Q2498-01	NE Bd bed foam	111	1.00	1.00	2.00	2.00	100.0	bedrom form
Q2498-02	NE Bd pillow foa	112	1.00	1.00	2.00	2.00	100.0	form
Q2498-03	Master bed NE m	113	1.00	1.00	2.00	2.00	100.0	mattess
Q2500-01	X600-B2	29	1.15	10.84	11.99	11.24	93.1	
Q2500-02	X600-S2	30	1.19	10.36	11.55	10.6	90.8	
Q2500-03	X600-B1	31	1.13	10.42	11.55	11.02	94.9	
Q2500-04	X600-S1	32	1.13	10.32	11.45	10.6	91.8	
Q2500-05	X600-DUP1	33	1.14	10.85	11.99	11.3	93.6	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 07/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136354

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
Q2500-06	X600-S3	34	1.11	10.71	11.82	11.18	94.0	

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

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2480-01	GPX1	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	06/30/2025	Chemtech -SO
Q2480-02	GPX2	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	06/30/2025	Chemtech -SO
Q2480-03	GPX3	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-04	GPX4	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-05	GPX5	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-06	GPX6	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-07	GPX7	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-08	GPX8	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2484-01	TP-58	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2484-02	TP-57	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-03	TP-64	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-04	TP-107	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-05	TP-1008	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-06	TP-104	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2486-01	WASTE	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2486-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO

Date/Time 07/02/25 15:00

Raw Sample Received by: 8690C

Raw Sample Relinquished by: 8690C

Date/Time 07/02/25

Raw Sample Received by: 8690C

Raw Sample Relinquished by: 8690C

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2491-01	EO-1-070225	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	07/02/2025	Chemtech -SO
Q2491-02	EO-1-070225-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	07/02/2025	Chemtech -SO
Q2492-01	VNJ-254-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	07/02/2025	Chemtech -SO
Q2492-02	VNJ-254-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	07/02/2025	Chemtech -SO
Q2493-01	WC-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	A43	07/02/2025	Chemtech -SO
Q2493-02	WC-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A43	07/02/2025	Chemtech -SO
Q2493-03	WC-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A43	07/02/2025	Chemtech -SO
Q2494-01	Playhouse/Storage	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-02	Playhouse/Storage	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-03	Garage Seat Foa	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-04	Black foam in Sou	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-05	Kids Room styof	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-06	Kids Room Lower	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-07	Kids Room styof	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-08	Dog Beg Foam	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-09	Cotton Layer - Ott	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-10	Foam Ottoman	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-11	Foyer North Wall	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-12	NE Stucco Exterio	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-13	Master Mattress	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2495-01	Chair Foam Parke	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO

Date/Time 07/02/25 15:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 07/02/25 17:35
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2495-02	SE Bedroom (3rd	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-03	E Bedroom Ceilin	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-04	South East Ceiling	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-05	Master Bathroom	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-06	3rd Fl Hallway N	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-07	SE Bedroom Park	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-08	Family Room SW	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-09	Foyer SE Corner P	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-10	Green Carpet Pad	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-11	Rug in Dining Roo	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-12	LR Couch Cushion	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-13	Dining Room W	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-14	Kitchen Dining E	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-15	Garage Southwes	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-16	Zack's Matterss	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-17	Zack's Couch	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2496-02	N exterior center	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2496-03	Basement south	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-04	Entertainment ro	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-05	Black mat outside	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-06	Basement bedroom	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO

Date/Time 07/02/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 07/02/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

17136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2496-07	Basement bedroom-1	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-08	Basement bedroom-2	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-09	Maeve's room ma	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-10	Master bedroom	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-11	Master bedroom-1	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-12	Master bedroom-2	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-13	Master bedroom-3	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-14	SE bedroom brow	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-15	SE bedroom gray	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-16	Maeves room gre	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-17	Master bedroom-4	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-18	3rd floor roof ent	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-19	Living room couc	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-20	Living room 2 sea	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-21	Office leather cha	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-22	Pink shoe sole	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-23	Living room rug S	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-24	Dining room NE c	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2497-01	SW bedroom (San	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2497-02	Salman s room SE	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-03	Sanah s room bed	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO

Date/Time 07/02/25 15:00
 Raw Sample Received by: SS WWC
 Raw Sample Relinquished by: SS WWC

Date/Time 07/02/25 17:35
 Raw Sample Received by: SS WWC
 Raw Sample Relinquished by: SS WWC

WORKLIST(Hardcopy Internal Chain)

NR136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2497-04	Salman s room m	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-05	Master bed matr	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-06	Kaihaan s room m	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-07	Garage foam yog	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-08	Living room west	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-09	Entrance rug	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-10	south exterior re	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-11	Garage gym floor	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-12	Rug by the back d	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-13	Guest bed matre	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-14	Garage backyard	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-15	LR SW conner chai	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-16	Living room NE co	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-17	Dining room SW c	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-18	LR SW rug corner	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-19	LR west wall plug	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-20	LR NE corner plug	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-21	office east wall pl	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-22	Bedroom north w	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-23	Kitchen ceiling pl	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2498-01	NE Bd bed foam	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/20/2025	Chemtech -SO

Date/Time 07/02/25 15:00
 Raw Sample Received by: SR WWC
 Raw Sample Relinquished by: [Signature] SH

Date/Time 07/02/25 17:35
 Raw Sample Received by: [Signature] SH
 Raw Sample Relinquished by: SR WWC

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2498-02	NE Bd pillow foa	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/20/2025	Chemtech -SO
Q2498-03	Master bed NE m	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/20/2025	Chemtech -SO
Q2500-01	X600-B2	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-02	X600-S2	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-03	X600-B1	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-04	X600-S1	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-05	X600-DUP1	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-06	X600-S3	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO

Date/Time 07/02/25 15:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 07/02/25 17:35
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

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: 07/02/2025

Extraction Start Time: 11:05

Extraction End Date: 07/02/2025

Extraction End Time: 15:15

Concentration By: EH

Supervisor By: RUPESH

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24625
Surrogate	1.0ML	100 PPM	PP24652
Fractionation Surrogate	1.0ML	100 PPM	PP24647
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	EP2612
Baked Na2SO4	N/A	EP2624
Sand	N/A	E2865
Hexane	N/A	E3947
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/2/25	RS (GCH-bch)	Y.P. Res/HPCB
15-20	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-8

Concentration Date: 07/02/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168702BL	PB168702BL	EPH_NF	30.01	N/A	ritesh	Evelyn	2			U1-1
PB168702BS	PB168702BS	EPH_NF	30.03	N/A	ritesh	Evelyn	2			2
PB168702BSD	PB168702BSD	EPH_NF	30.02	N/A	ritesh	Evelyn	2			3
Q2475-01	SOIL-PILE	EPH_NF	30.03	N/A	ritesh	Evelyn	2	D		4
Q2475-02	SOIL-PILE-E2	EPH_NF	30.08	N/A	ritesh	Evelyn	2			5
Q2478-01	WC-1	EPH_NF	30.02	N/A	ritesh	Evelyn	2	E		6
Q2478-01DUP	WC-1DUP	EPH_NF	30.04	N/A	ritesh	Evelyn	2	E		U2-1
Q2478-01MS	WC-1MS	EPH_NF	30.08	N/A	ritesh	Evelyn	2	E		2
Q2478-01MSD	WC-1MSD	EPH_NF	30.09	N/A	ritesh	Evelyn	2	E		3
Q2478-02	WC-1-EPH	EPH_NF	30.05	N/A	ritesh	Evelyn	2			4
Q2480-01	GPX1	EPH_NF	30.01	N/A	ritesh	Evelyn	2	E		5
Q2480-02	GPX2	EPH_NF	30.03	N/A	ritesh	Evelyn	2	E		6
Q2480-03	GPX3	EPH_NF	30.09	N/A	ritesh	Evelyn	2	E		U3-1
Q2480-04	GPX4	EPH_NF	30.07	N/A	ritesh	Evelyn	2	E		2
Q2480-05	GPX5	EPH_NF	30.05	N/A	ritesh	Evelyn	2	E		3
Q2480-06	GPX6	EPH_NF	30.06	N/A	ritesh	Evelyn	2	E		4
Q2480-07	GPX7	EPH_NF	30.08	N/A	ritesh	Evelyn	2	E		5
Q2480-08	GPX8	EPH_NF	30.04	N/A	ritesh	Evelyn	2	E		6

* Extracts relinquished on the same date as received.

Ry
7/2

1684589
11:00

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2480 WorkList ID : 190509 Department : Extraction Date : 07-02-2025 11:00:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2475-01	SOIL-PILE	Solid	EPH_NF	Cool 4 deg C	PSEG03	A43	07/01/2025	NJEPH
Q2475-02	SOIL-PILE-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	A43	07/01/2025	NJEPH
Q2478-01	WC-1	Solid	EPH_NF	Cool 4 deg C	PSEG03	A42	07/30/2025	NJEPH
Q2478-02	WC-1-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	A42	07/30/2025	NJEPH
Q2480-01	GPX1	Solid	EPH_NF	Cool 4 deg C	GENV01	A43	06/30/2025	NJEPH
Q2480-02	GPX2	Solid	EPH_NF	Cool 4 deg C	GENV01	A43	06/30/2025	NJEPH
Q2480-03	GPX3	Solid	EPH_NF	Cool 4 deg C	GENV01	A43	07/01/2025	NJEPH
Q2480-04	GPX4	Solid	EPH_NF	Cool 4 deg C	GENV01	A43	07/01/2025	NJEPH
Q2480-05	GPX5	Solid	EPH_NF	Cool 4 deg C	GENV01	A43	07/01/2025	NJEPH
Q2480-06	GPX6	Solid	EPH_NF	Cool 4 deg C	GENV01	A43	07/01/2025	NJEPH
Q2480-07	GPX7	Solid	EPH_NF	Cool 4 deg C	GENV01	A43	07/01/2025	NJEPH
Q2480-08	GPX8	Solid	EPH_NF	Cool 4 deg C	GENV01	A43	07/01/2025	NJEPH

Date/Time 7/2/25 11:00
Raw Sample Received by: RJ (Ext-96a)
Raw Sample Relinquished by: CR SM

Date/Time 7/2/25 11:25
Raw Sample Received by: CR SM
Raw Sample Relinquished by: RJ (Ext-96a)



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:
COMPANY: **Geopline**
ADDRESS: **8 CARRIAGE**
CITY: **Succasunna** STATE: **NJ** ZIP: **07876**
ATTENTION:
PHONE:
FAX:

PROJECT NAME: **Lexington**
PROJECT NO.: LOCATION:
PROJECT MANAGER: **GL**
e-mail:
PHONE: FAX:

BILL TO: **Geopline** PO#: **8 CARRIAGE**
ADDRESS: **8 CARRIAGE**
CITY: **Succasunna** STATE: **NJ** ZIP: **07876**
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) **STANDARD** DAYS*
HARDCOPY (DATA PACKAGE): **STANDARD** DAYS*
EDD: **STANDARD** DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other **STANDARD**
☒ EDD FORMAT **10/25/25**

TCUB+15
EPH-Cat 2

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	GPX1	Soil		X	6/30/25	1053	4	X		X							
2.	GPX2				6/30/25	1246		X		X							
3.	GPX3				7/1/25	1040		X		X							
4.	GPX4					1053		X		X							
5.	GPX5					1415		X		X							
6.	GPX6					1420	4	X		X							
7.	GPX7	Soil	X		7/1/25	1425	4	X		X							
8.	GPX8	Soil	X		7/1/25	1430	4	X		X							
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 7/1/25 1525	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	Comments: ILG #1
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME:	RECEIVED BY: 3. [Signature]	Page 1 of 1 CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2480	GENV01	Order Date : 7/1/2025 3:54:51 PM	Project Mgr :
Client Name : G Environmental		Project Name : Lexington	Report Type : NJ Reduced
Client Contact : Gary Landis		Receive DateTime : 7/1/2025 3:25:00 PM	EDD Type : Excel NJ
Invoice Name : G Environmental		Purchase Order :	Hard Copy Date :
Invoice Contact : Gary Landis			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2480-01	GPX1	Solid	06/30/2025	10:53	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2480-02	GPX2	Solid	06/30/2025	12:46	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2480-03	GPX3	Solid	07/01/2025	10:40	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2480-04	GPX4	Solid	07/01/2025	10:53	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2480-05	GPX5	Solid	07/01/2025	14:15	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2480-06	GPX6	Solid	07/01/2025	14:20	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2480-07	GPX7	Solid	07/01/2025	14:25	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2480-08	GPX8	Solid	07/01/2025	14:30	VOC-TCLVOA-10		8260D		10 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2480	GENV01	Order Date : 7/1/2025 3:54:51 PM	Project Mgr :
Client Name : G Environmental		Project Name : Lexington	Report Type : NJ Reduced
Client Contact : Gary Landis		Receive DateTime : 7/1/2025 3:25:00 PM	EDD Type : Excel NJ
Invoice Name : G Environmental		Purchase Order :	Hard Copy Date :
Invoice Contact : Gary Landis			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By :

Date / Time :

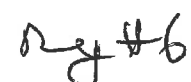

7/2/25 0850

Received By :

Date / Time :


07/02/25 08:50

Storage Area : VOA Refridgerator Room


IEZ