

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: Q2431
Client: Earth Engineering Inc.
Contact: Frank Dougherty, LSRP

OrderDate: 6/26/2025 12:47:00 PM
Project: 1710 N4 Ave
Location: A61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2431-01	S-1	Solid	EPH_NF	NJEPH	06/25/25	06/27/25	06/27/25	06/26/25
Q2431-02	S-2	Solid	EPH_NF	NJEPH	06/25/25	06/27/25	06/30/25	06/26/25
Q2431-03	S-3	Solid	EPH_NF	NJEPH	06/25/25	06/27/25	06/27/25	06/26/25
Q2431-04	S-4	Solid	EPH_NF	NJEPH	06/25/25	06/27/25	06/27/25	06/26/25
Q2431-05	S-5	Solid	EPH_NF	NJEPH	06/25/25	06/27/25	06/30/25	06/26/25



QC SUMMARY



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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: EARTH03
Lab Code: CHEM CASE No.: Q2431 SAS No.: Q2431 SDG No.: Q2431
Run Number: FC063025AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
S-2	54	54		0
S-5	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

Lab Name: CHEMTECH Contract: EARTH03
Lab Code: CHEM CASE No.: Q2431 SAS No.: Q2431 SDG No.: Q2431
Run Number: FE062725AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
S-1	65	65		0
S-3	64	64		0
S-4	64	65		0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: EARTH03
Lab Code: CHEM CASE No.: Q2431 SAS No.: Q2431 SDG No.: Q2431
Run Number: FG062725AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB168635BL	81	78		0
PB168635BS	81	79		0
PB168635BSD	81	78		0
MH-E/FMS	67	64		0
MH-E/FMSD	66	63		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>Earth Engineering Inc.</u>
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2431</u>
Sample No :	<u>Q2430-01MS</u>	SAS No :	<u>Q2431</u>
		SDG No:	<u>Q2431</u>
	Datafile:	Client ID :	<u>MH-E/FMS</u>
	<u>FG016160.D</u>		

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	34.0	5.84	39.1	98		(40-140)
Aliphatic C9-C28	113.3	9.67	91.0	72		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
n-Nonane (C9)	3.8	0.0000	2.1864	58		(40-140)
n-Decane (C10)	3.8	0.0000	5.0832	134		(40-140)
Naphthalene (C11.7)	3.8	0.0000	2.7244	72		(40-140)
n-Dodecane (C12)	3.8	0.0000	2.5357	67		(40-140)
2-methylnaphthalene (C12.89)	3.8	0.0000	2.7158	71		(40-140)
n-Tetradecane (C14)	3.8	0.0000	2.7255	72		(40-140)
n-Hexadecane (C16)	3.8	0.0000	2.9448	77		(40-140)
n-Octadecane (C18)	3.8	0.0000	3.0403	80		(40-140)
n-Eicosane (C20)	3.8	0.0000	3.2790	86		(40-140)
n-Heneicosane (C21)	3.8	0.0000	3.1870	84		(40-140)
n-Docosane (C22)	3.8	0.0000	3.1935	84		(40-140)
n-Tetracosane (C24)	7.5	0.0000	6.7381	90		(40-140)
n-Hexacosane (C26)	3.8	0.0000	3.1044	82		(40-140)
n-Octacosane (C28)	3.8	0.0000	3.0831	81		(40-140)
n-Tricontane (C30)	3.8	0.0000	3.0127	79		(40-140)
n-Dotriacontane (C32)	3.8	0.0000	3.0696	81		(40-140)
n-Tetratriacontane (C34)	3.8	0.0000	3.5713	94		(40-140)
n-Hexatriacontane (C36)	3.8	0.0000	3.9772	105		(40-140)
n-Octatriacontane (C38)	3.8	0.0000	4.3777	115		(40-140)
n-Tetracontane (C40)	3.8	0.0000	4.2178	111		(40-140)

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Earth Engineering Inc.</u>	
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2431</u>	SAS No : <u>Q2431</u> SDG No: <u>Q2431</u>
Sample No :	<u>Q2430-01MSD</u>	Datafile:	<u>FG016161.D</u>	Client ID : <u>MH-E/FMSD</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	34.0	5.84	38.3	96		2.38 (40-140) 50
Aliphatic C9-C28	113.3	9.67	89.1	70		2.4 (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)	3.8	0.0000	2.1361	56		3.51 (40-140) 50
n-Decane (C10)	3.8	0.0000	4.9652	131		2.26 (40-140) 50
Naphthalene (C11.7)	3.8	0.0000	2.6612	70		2.82 (40-140) 50
n-Dodecane (C12)	3.8	0.0000	2.4757	65		3.03 (40-140) 50
2-methylnaphthalene (C12.89)	3.8	0.0000	2.6505	70		1.42 (40-140) 50
n-Tetradecane (C14)	3.8	0.0000	2.6591	70		2.82 (40-140) 50
n-Hexadecane (C16)	3.8	0.0000	2.8776	76		1.31 (40-140) 50
n-Octadecane (C18)	3.8	0.0000	2.9741	78		2.53 (40-140) 50
n-Eicosane (C20)	3.8	0.0000	3.2098	84		2.35 (40-140) 50
n-Heneicosane (C21)	3.8	0.0000	3.1184	82		2.41 (40-140) 50
n-Docosane (C22)	3.8	0.0000	3.1257	82		2.41 (40-140) 50
n-Tetracosane (C24)	7.5	0.0000	6.6060	88		2.25 (40-140) 50
n-Hexacosane (C26)	3.8	0.0000	3.0399	80		2.47 (40-140) 50
n-Octacosane (C28)	3.8	0.0000	3.0225	80		1.24 (40-140) 50
n-Tricontane (C30)	3.8	0.0000	2.9612	78		1.27 (40-140) 50
n-Dotriacontane (C32)	3.8	0.0000	3.0090	79		2.5 (40-140) 50
n-Tetratriacontane (C34)	3.8	0.0000	3.5040	92		2.15 (40-140) 50
n-Hexatriacontane (C36)	3.8	0.0000	3.9169	103		1.92 (40-140) 50
n-Octatriacontane (C38)	3.8	0.0000	4.2700	112		2.64 (40-140) 50
n-Tetracontane (C40)	3.8	0.0000	4.1576	109		1.82 (40-140) 50

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Earth Engineering Inc.</u>	
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2431</u>	SAS No : <u>Q2431</u> SDG No: <u>Q2431</u>
Sample No :	<u>PB168635BS</u>	Datafile:	<u>FG016156.D</u>	Client ID : <u>PB168635BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	30.0	31.2	104		(40-140)
Aliphatic C9-C28	99.9	76.6	77		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
n-Nonane (C9)	3.3	2.43674	74		(40-140)
n-Decane (C10)	3.3	2.54890	77		(40-140)
Naphthalene (C11.7)	3.3	2.85373	86		(40-140)
n-Dodecane (C12)	3.3	2.62522	80		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.75490	83		(40-140)
n-Tetradecane (C14)	3.3	2.65479	80		(40-140)
n-Hexadecane (C16)	3.3	2.62103	79		(40-140)
n-Octadecane (C18)	3.3	2.57761	78		(40-140)
n-Eicosane (C20)	3.3	2.74087	83		(40-140)
n-Heneicosane (C21)	3.3	2.66001	81		(40-140)
n-Docosane (C22)	3.3	2.63888	80		(40-140)
n-Tetracosane (C24)	6.7	5.63772	84		(40-140)
n-Hexacosane (C26)	3.3	2.56850	78		(40-140)
n-Octacosane (C28)	3.3	2.56016	78		(40-140)
n-Tricontane (C30)	3.3	2.52215	76		(40-140)
n-Dotriacontane (C32)	3.3	2.63340	80		(40-140)
n-Tetratriacontane (C34)	3.3	3.16705	96		(40-140)
n-Hexatriacontane (C36)	3.3	3.81077	115		(40-140)
n-Octatriacontane (C38)	3.3	4.57475	139		(40-140)
n-Tetracontane (C40)	3.3	5.07321	154	*	(40-140)

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Earth Engineering Inc.
Lab Code: CHEM **Cas No:** Q2431 **SAS No :** Q2431 **SDG No:** Q2431
Sample No : PB168635BSD **Datafile:** FG016157.D **Client ID :** PB168635BSD

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		0.7 (40-140)	25
Aliphatic C9-C28	99.9	76.6	77		0.074 (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	2.43244	74		0 (40-140)	25
n-Decane (C10)	3.3	2.54016	77		0 (40-140)	25
Naphthalene (C11.7)	3.3	2.84486	86		0 (40-140)	25
n-Dodecane (C12)	3.3	2.61550	79		1.26 (40-140)	25
2-methylnaphthalene (C12.89)	3.3	2.74452	83		0 (40-140)	25
n-Tetradecane (C14)	3.3	2.64412	80		0 (40-140)	25
n-Hexadecane (C16)	3.3	2.61005	79		0 (40-140)	25
n-Octadecane (C18)	3.3	2.56872	78		0 (40-140)	25
n-Eicosane (C20)	3.3	2.73391	83		0 (40-140)	25
n-Heneicosane (C21)	3.3	2.65335	80		1.24 (40-140)	25
n-Docosane (C22)	3.3	2.63611	80		0 (40-140)	25
n-Tetracosane (C24)	6.7	5.64715	84		0 (40-140)	25
n-Hexacosane (C26)	3.3	2.57932	78		0 (40-140)	25
n-Octacosane (C28)	3.3	2.57728	78		0 (40-140)	25
n-Tricontane (C30)	3.3	2.54777	77		1.31 (40-140)	25
n-Dotriacontane (C32)	3.3	2.65922	81		1.24 (40-140)	25
n-Tetratriacontane (C34)	3.3	3.18645	97		1.04 (40-140)	25
n-Hexatriacontane (C36)	3.3	3.82333	116		0.87 (40-140)	25
n-Octatriacontane (C38)	3.3	4.58786	139		0 (40-140)	25
n-Tetracontane (C40)	3.3	5.08733	154	*	0 (40-140)	25

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168635BL

Lab Name: CHEMTECH

Contract: EARTH03

Lab Code: CHEM Case No.: Q2431

SAS No.: Q2431 SDG NO.: Q2431

Instrument ID: FID_C

Lab Sample ID: PB168635BL

Matrix: (soil/water) Solid

Date Extracted: 6/27/2025 8:30:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB168635BS	PB168635BS
PB168635BSD	PB168635BSD
MH-E/FMS	Q2430-01MS
MH-E/FMSD	Q2430-01MSD
S-1	Q2431-01
S-2	Q2431-02
S-3	Q2431-03
S-4	Q2431-04
S-5	Q2431-05

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-1	SDG No.:	Q2431
Lab Sample ID:	Q2431-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 17:55	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.26		1	1.38	2.33	mg/kg	FE054618.D
Aliphatic C9-C28	Aliphatic C9-C28	5.27		1	1.06	4.67	mg/kg	FE054618.D
Total AliphaticEPH	Total AliphaticEPH	10.5			2.44	7.00	mg/kg	
Total EPH	Total EPH	10.5			2.44	7.00	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-1	SDG No.:	Q2431
Lab Sample ID:	Q2431-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054618.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.27		1.06	4.67	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.26		1.38	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.6		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2431-01	Acq On:	27 Jun 2025 17:55
Client Sample ID:	S-1	Operator:	YP\AJ
Data file:	FE054618.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	3.317	6.943	4058554	29.83	300	ug/ml
Aliphatic C12-C16	6.944	10.391	1143067	8.132	200	ug/ml
Aliphatic C16-C21	10.392	13.764	1588634	11.002	300	ug/ml
Aliphatic C21-C28	13.765	17.429	2712963	18.755	400	ug/ml
Aliphatic C28-C40	17.430	22.428	9379397	67.649	600	ug/ml
Aliphatic EPH	3.317	22.428	18882615	135.368		ug/ml
ortho-Terphenyl (SURR)	12.064	12.064	5301058	32.64		ug/ml
1-chlorooctadecane (SURR)	13.499	13.499	4110560	32.55		ug/ml
Aliphatic C9-C28	3.317	17.429	9503218	67.719	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054618.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 17:55
 Operator : YP\AJ
 Sample : Q2431-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 S-1

Integration File: autoint1.e
 Quant Time: Jun 28 01:47:21 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)	12.064	5301058	32.643 ug/ml
Spiked Amount 50.000		Recovery =	65.29%
12) S 1-chlorooctadecane (S...	13.499	4110560	32.548 ug/ml
Spiked Amount 50.000		Recovery =	65.10%

Target Compounds

(f)=RT Delta > 1/2 Window

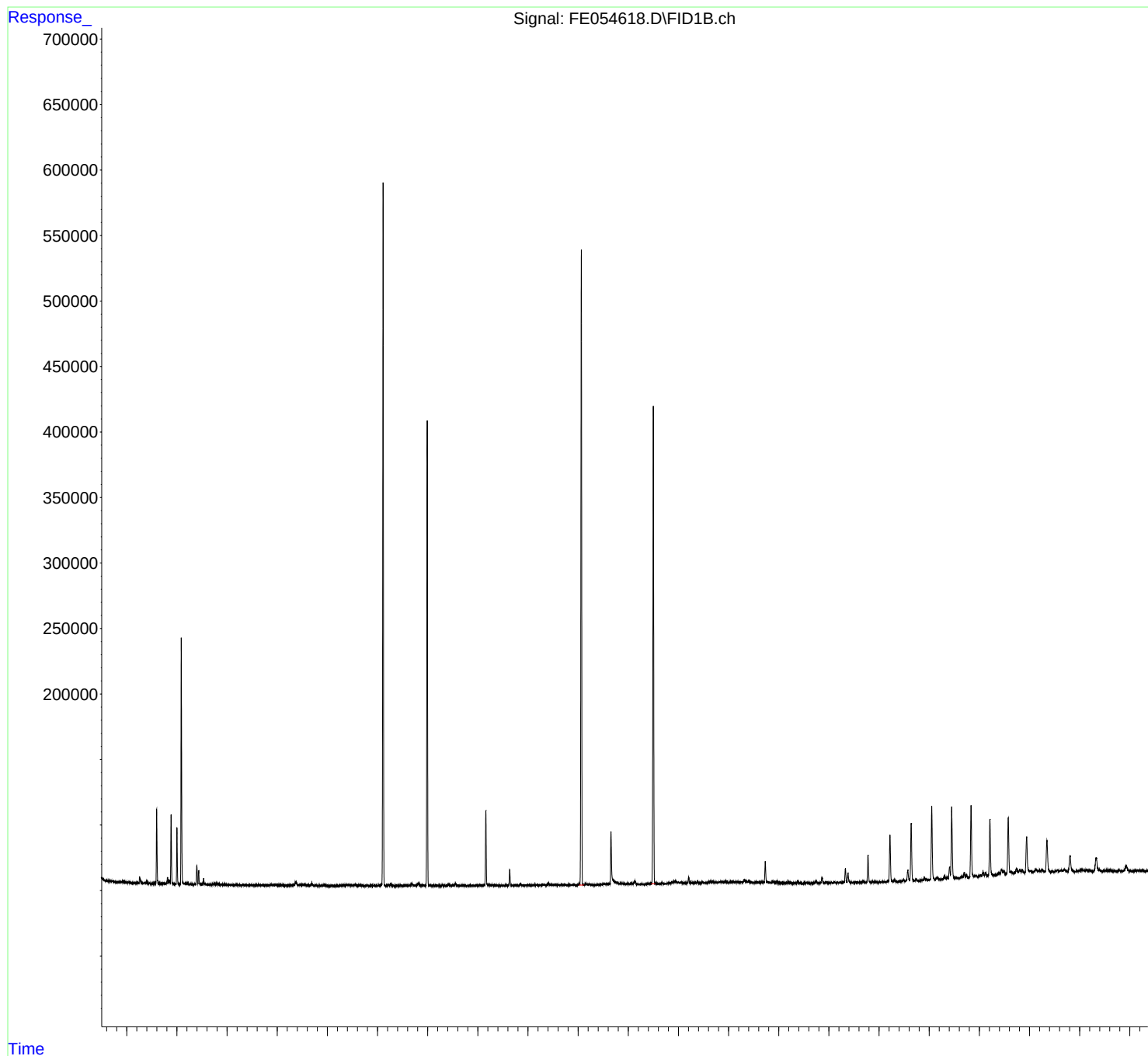
(m)=manual int.

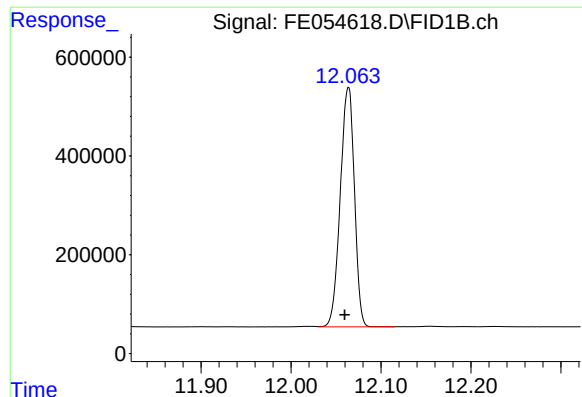
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054618.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 17:55
Operator : YP\AJ
Sample : Q2431-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-1

Integration File: autoint1.e
Quant Time: Jun 28 01:47:21 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

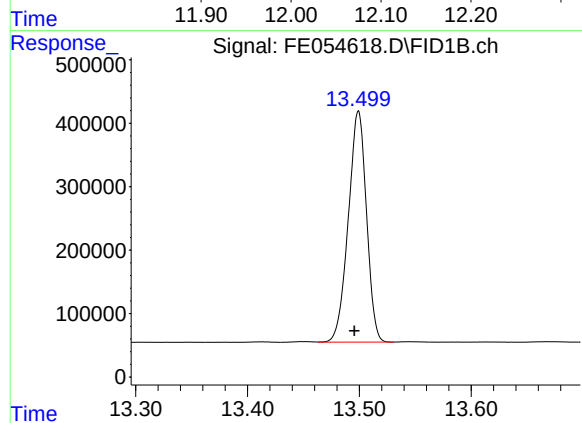




#9 ortho-Terphenyl (SURR)

R.T.: 12.064 min
Delta R.T.: 0.004 min
Response: 5301058
Conc: 32.64 ug/ml

Instrument :
FID_E
ClientSampleId :
S-1



#12 1-chlorooctadecane (SURR)

R.T.: 13.499 min
Delta R.T.: 0.004 min
Response: 4110560
Conc: 32.55 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\

Data File : FE054618.D

Signal(s) : FID1B.ch

Acq On : 27 Jun 2025 17:55

Sample : Q2431-01

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	2.882	2.838	2.901	BV	403	2569	0.05%	0.009%
2	2.913	2.901	2.925	PV	687	5363	0.10%	0.019%
3	2.936	2.925	3.021	VV	1176	22078	0.42%	0.078%
4	3.035	3.021	3.104	VV	369	8050	0.15%	0.028%
5	3.123	3.104	3.138	VV	312	3446	0.06%	0.012%
6	3.167	3.138	3.228	PV	330	8205	0.15%	0.029%
7	3.256	3.228	3.338	VV	4731	71739	1.35%	0.252%
8	3.360	3.338	3.380	VV	712	11511	0.22%	0.040%
9	3.399	3.380	3.465	VV	2501	30539	0.58%	0.107%
10	3.484	3.465	3.515	VV	181	2122	0.04%	0.007%
11	3.562	3.530	3.573	VV	587	7988	0.15%	0.028%
12	3.597	3.573	3.694	VV	55701	538435	10.14%	1.893%
13	3.711	3.694	3.722	VV	242	2423	0.05%	0.009%
14	3.733	3.722	3.758	VV	279	4045	0.08%	0.014%
15	3.775	3.758	3.791	VV	364	5376	0.10%	0.019%
16	3.811	3.791	3.838	VV	5015	62591	1.18%	0.220%
17	3.853	3.838	3.864	VV	3055	32429	0.61%	0.114%
18	3.884	3.864	3.961	VV	52579	492349	9.28%	1.731%
19	4.001	3.961	4.063	VV	42883	387779	7.31%	1.363%
20	4.087	4.063	4.174	PV	183776	1713110	32.28%	6.022%
21	4.188	4.174	4.200	VV	648	8537	0.16%	0.030%
22	4.216	4.200	4.242	VV	759	13166	0.25%	0.046%
23	4.255	4.242	4.370	VV	380	15970	0.30%	0.056%

24	4.397	4.370	4.418	VV	14040	169187	3.19%	0.595%
25	4.434	4.418	4.465	VV	10710	103025	1.94%	0.362%
26	4.480	4.465	4.498	VV	346	4890	0.09%	0.017%
27	4.532	4.498	4.549	VV	4748	48421	0.91%	0.170%
28	4.558	4.549	4.635	VV	1151	16452	0.31%	0.058%
29	4.641	4.635	4.651	VV	130	899	0.02%	0.003%
30	4.672	4.651	4.708	VV	378	6312	0.12%	0.022%
31	4.742	4.708	4.769	VV	1226	19847	0.37%	0.070%
32	4.795	4.769	4.843	VV	1496	23801	0.45%	0.084%
33	4.856	4.843	4.874	VV	378	4803	0.09%	0.017%
34	4.894	4.874	4.935	VV	424	8492	0.16%	0.030%
35	4.954	4.935	5.012	VV	850	12623	0.24%	0.044%
36	5.027	5.012	5.045	VV	166	3080	0.06%	0.011%
37	5.061	5.045	5.083	VV	189	3421	0.06%	0.012%
38	5.113	5.083	5.207	VV	251	8484	0.16%	0.030%
39	5.216	5.207	5.234	VV	74	916	0.02%	0.003%
40	5.242	5.234	5.251	VV	89	895	0.02%	0.003%
41	5.314	5.251	5.335	VV	454	9310	0.18%	0.033%
42	5.360	5.335	5.401	VV	278	6919	0.13%	0.024%
43	5.413	5.401	5.449	VV	221	3629	0.07%	0.013%
44	5.488	5.449	5.558	PV	196	5447	0.10%	0.019%
45	5.575	5.558	5.600	VV	286	3821	0.07%	0.013%
46	5.625	5.600	5.704	VV	657	9959	0.19%	0.035%
47	5.722	5.704	5.748	VV	126	1840	0.03%	0.006%
48	5.778	5.748	5.791	VV	118	2580	0.05%	0.009%
49	5.805	5.791	5.828	VV	186	2835	0.05%	0.010%
50	5.869	5.828	5.898	VV	532	9347	0.18%	0.033%
51	5.908	5.898	5.918	VV	206	2078	0.04%	0.007%
52	5.938	5.918	5.973	VV	513	8207	0.15%	0.029%
53	5.994	5.973	6.034	VV	437	9697	0.18%	0.034%
54	6.077	6.034	6.165	VV	442	20123	0.38%	0.071%
55	6.181	6.165	6.214	VV	202	4519	0.09%	0.016%
56	6.254	6.214	6.305	VV	280	9914	0.19%	0.035%
57	6.332	6.305	6.343	VV	406	6722	0.13%	0.024%
58	6.363	6.343	6.375	VV	2372	29450	0.55%	0.104%
59	6.383	6.375	6.421	VV	1900	28482	0.54%	0.100%
60	6.439	6.421	6.477	VV	685	17693	0.33%	0.062%
61	6.493	6.477	6.521	VV	511	13051	0.25%	0.046%
62	6.557	6.521	6.615	VV	727	26294	0.50%	0.092%

63	6.648	6.615	6.659	VV	337	8332	0.16%	0.029%
64	6.687	6.659	6.736	VV	1902	28790	0.54%	0.101%
65	6.749	6.736	6.811	VV	195	6050	0.11%	0.021%
66	6.833	6.811	6.871	VV	294	6062	0.11%	0.021%
67	6.878	6.871	6.917	VV	134	2656	0.05%	0.009%
68	6.935	6.917	6.979	VV	732	10829	0.20%	0.038%
69	6.991	6.979	7.012	VV	136	1544	0.03%	0.005%
70	7.094	7.012	7.121	PV	193	5290	0.10%	0.019%
71	7.128	7.121	7.134	VV	125	1041	0.02%	0.004%
72	7.143	7.134	7.209	VV	143	3569	0.07%	0.013%
73	7.220	7.209	7.264	VV	131	2943	0.06%	0.010%
74	7.275	7.264	7.288	VV	108	1317	0.02%	0.005%
75	7.326	7.288	7.343	VV	602	10143	0.19%	0.036%
76	7.395	7.343	7.514	VV	923	54885	1.03%	0.193%
77	7.552	7.514	7.646	VV	812	24989	0.47%	0.088%
78	7.662	7.646	7.682	VV	343	4088	0.08%	0.014%
79	7.697	7.682	7.727	VV	103	1856	0.03%	0.007%
80	7.742	7.727	7.766	VV	118	1411	0.03%	0.005%
81	7.792	7.766	7.838	VV	158	4005	0.08%	0.014%
82	7.865	7.838	7.920	VV	130	4312	0.08%	0.015%
83	7.955	7.920	7.978	VV	220	4730	0.09%	0.017%
84	8.029	7.978	8.051	VV	622	11136	0.21%	0.039%
85	8.206	8.187	8.218	VV	606	7618	0.14%	0.027%
86	8.224	8.218	8.240	VV	548	6749	0.13%	0.024%
87	8.258	8.240	8.278	VV	987	13350	0.25%	0.047%
88	8.285	8.278	8.328	VV	444	6499	0.12%	0.023%
89	8.337	8.328	8.348	VV	149	1293	0.02%	0.005%
90	8.352	8.348	8.374	VV	141	1580	0.03%	0.006%
91	8.382	8.374	8.391	VV	91	993	0.02%	0.003%
92	8.408	8.391	8.444	VV	160	3703	0.07%	0.013%
93	8.571	8.444	8.607	VV	412	19397	0.37%	0.068%
94	8.648	8.607	8.659	VV	471	10550	0.20%	0.037%
95	8.683	8.659	8.741	VV	1456	38067	0.72%	0.134%
96	8.816	8.741	8.890	VV	2077	64178	1.21%	0.226%
97	8.913	8.890	8.953	VV	715	13821	0.26%	0.049%
98	9.117	9.099	9.131	VV	375	5979	0.11%	0.021%
99	9.154	9.131	9.254	VV	746	21594	0.41%	0.076%
100	9.290	9.254	9.350	PV	810	16940	0.32%	0.060%
101	9.412	9.350	9.471	VV	1075	27854	0.52%	0.098%

102	9.506	9.471	9.518	VV	394	7067	0.13%	0.025%
103	9.550	9.518	9.634	VV	1941	43615	0.82%	0.153%
104	9.701	9.634	9.776	VV	407	16741	0.32%	0.059%
105	9.796	9.776	9.813	VV	157	2456	0.05%	0.009%
106	9.841	9.813	9.858	VV	347	4996	0.09%	0.018%
107	9.891	9.858	9.932	VV	426	9987	0.19%	0.035%
108	9.966	9.932	10.013	VV	346	10120	0.19%	0.036%
109	10.043	10.013	10.112	VV	644	18324	0.35%	0.064%
110	10.160	10.112	10.208	VV	57361	604903	11.40%	2.126%
111	10.227	10.208	10.274	VV	497	10549	0.20%	0.037%
112	10.292	10.274	10.343	VV	618	13841	0.26%	0.049%
113	10.359	10.343	10.378	VV	197	3044	0.06%	0.011%
114	10.397	10.378	10.419	VV	229	3541	0.07%	0.012%
115	10.437	10.419	10.528	VV	207	5450	0.10%	0.019%
116	10.552	10.528	10.574	PV	139	1909	0.04%	0.007%
117	10.587	10.574	10.601	VV	102	980	0.02%	0.003%
118	10.636	10.601	10.664	VV	12278	126192	2.38%	0.444%
119	10.682	10.664	10.700	VV	292	3973	0.07%	0.014%
120	10.730	10.700	10.773	VV	397	9274	0.17%	0.033%
121	10.785	10.773	10.796	VV	101	1205	0.02%	0.004%
122	10.849	10.796	10.884	VV	1547	26418	0.50%	0.093%
123	10.904	10.884	10.928	VV	314	5711	0.11%	0.020%
124	10.948	10.928	10.969	VV	260	5230	0.10%	0.018%
125	10.986	10.969	11.003	VV	747	9493	0.18%	0.033%
126	11.030	11.003	11.068	VV	451	9020	0.17%	0.032%
127	11.072	11.068	11.079	VV	115	419	0.01%	0.001%
128	11.131	11.079	11.154	PV	456	11175	0.21%	0.039%
129	11.166	11.154	11.204	VV	282	4540	0.09%	0.016%
130	11.226	11.204	11.251	VV	224	3775	0.07%	0.013%
131	11.289	11.251	11.304	VV	775	13122	0.25%	0.046%
132	11.315	11.304	11.341	VV	665	9492	0.18%	0.033%
133	11.406	11.341	11.493	VV	1595	48921	0.92%	0.172%
134	11.496	11.493	11.505	VV	311	2168	0.04%	0.008%
135	11.522	11.505	11.532	VV	396	5355	0.10%	0.019%
136	11.553	11.532	11.615	VV	356	13581	0.26%	0.048%
137	11.625	11.615	11.636	VV	242	2103	0.04%	0.007%
138	11.667	11.636	11.694	VV	668	12165	0.23%	0.043%
139	11.711	11.694	11.724	VV	482	6750	0.13%	0.024%
140	11.737	11.724	11.794	VV	626	8982	0.17%	0.032%

141	11.817	11.794	11.878	VV	723	12525	0.24%	0.044%
142	11.900	11.878	11.917	VV	438	5345	0.10%	0.019%
143	11.931	11.917	11.955	VV	263	3597	0.07%	0.013%
144	12.019	11.955	12.030	PV	1092	17043	0.32%	0.060%
145	12.064	12.030	12.113	VV	490303	5307615	100.00%	18.657%

146	12.154	12.113	12.181	VV	1281	23879	0.45%	0.084%
147	12.192	12.181	12.211	VV	532	7348	0.14%	0.026%
148	12.227	12.211	12.262	VV	828	13563	0.26%	0.048%
149	12.284	12.262	12.318	VV	190	4592	0.09%	0.016%
150	12.336	12.318	12.359	VV	202	2850	0.05%	0.010%

151	12.395	12.359	12.421	VV	617	11754	0.22%	0.041%
152	12.461	12.421	12.480	VV	514	12226	0.23%	0.043%
153	12.529	12.480	12.546	VV	1073	27749	0.52%	0.098%
154	12.577	12.546	12.602	VV	897	25985	0.49%	0.091%
155	12.655	12.602	12.728	VV	40493	582651	10.98%	2.048%

156	12.742	12.728	12.760	VV	2273	40723	0.77%	0.143%
157	12.771	12.760	12.825	VV	1978	58628	1.10%	0.206%
158	12.840	12.825	12.854	VV	1174	20153	0.38%	0.071%
159	12.860	12.854	12.911	VV	1212	34071	0.64%	0.120%
160	12.925	12.911	12.944	VV	934	15923	0.30%	0.056%

161	12.990	12.944	13.019	VV	1185	34879	0.66%	0.123%
162	13.048	13.019	13.068	VV	1388	25386	0.48%	0.089%
163	13.081	13.068	13.095	VV	1247	16100	0.30%	0.057%
164	13.134	13.095	13.162	VV	2823	63092	1.19%	0.222%
165	13.180	13.162	13.241	VV	604	20547	0.39%	0.072%

166	13.260	13.241	13.289	VV	585	12977	0.24%	0.046%
167	13.307	13.289	13.335	VV	469	11219	0.21%	0.039%
168	13.348	13.335	13.370	VV	484	8046	0.15%	0.028%
169	13.412	13.370	13.430	VV	1061	20722	0.39%	0.073%
170	13.450	13.430	13.463	VV	1386	19313	0.36%	0.068%

171	13.499	13.463	13.531	VV	363808	4136429	77.93%	14.540%
172	13.545	13.531	13.597	VV	1191	29921	0.56%	0.105%
173	13.614	13.597	13.644	VV	769	17077	0.32%	0.060%
174	13.669	13.644	13.708	VV	1201	30512	0.57%	0.107%
175	13.714	13.708	13.729	VV	608	7294	0.14%	0.026%

176	13.836	13.729	13.850	VV	1247	64829	1.22%	0.228%
177	13.868	13.850	13.894	VV	1860	40464	0.76%	0.142%
178	13.912	13.894	13.926	VV	2491	39698	0.75%	0.140%
179	13.945	13.926	13.978	VV	2685	65223	1.23%	0.229%
180	13.996	13.978	14.028	VV	1744	43898	0.83%	0.154%

181	14.057	14.028	14.091	VV	1621	49712	0.94%	0.175%
182	14.108	14.091	14.135	VV	1185	29182	0.55%	0.103%
183	14.147	14.135	14.158	VV	984	13294	0.25%	0.047%
184	14.202	14.158	14.229	VV	5351	93769	1.77%	0.330%
185	14.251	14.229	14.289	VV	1450	41730	0.79%	0.147%
186	14.305	14.289	14.325	VV	1061	21342	0.40%	0.075%
187	14.378	14.325	14.411	VV	2646	73698	1.39%	0.259%
188	14.422	14.411	14.435	VV	1053	14619	0.28%	0.051%
189	14.483	14.435	14.508	VV	1633	55856	1.05%	0.196%
190	14.522	14.508	14.559	VV	1094	32326	0.61%	0.114%
191	14.606	14.559	14.620	VV	1784	47165	0.89%	0.166%
192	14.640	14.620	14.665	VV	2252	45341	0.85%	0.159%
193	14.688	14.665	14.717	VV	2263	51489	0.97%	0.181%
194	14.724	14.717	14.733	VV	1397	12498	0.24%	0.044%
195	14.752	14.733	14.781	VV	1337	36611	0.69%	0.129%
196	14.832	14.781	14.864	VV	1870	76553	1.44%	0.269%
197	14.884	14.864	14.907	VV	1801	39277	0.74%	0.138%
198	14.941	14.907	15.004	VV	1991	87636	1.65%	0.308%
199	15.042	15.004	15.069	VV	2030	57896	1.09%	0.204%
200	15.084	15.069	15.117	VV	1509	41806	0.79%	0.147%
201	15.129	15.117	15.143	VV	1495	21682	0.41%	0.076%
202	15.152	15.143	15.174	VV	1534	26641	0.50%	0.094%
203	15.197	15.174	15.231	VV	1688	46237	0.87%	0.163%
204	15.249	15.231	15.256	VV	1365	19841	0.37%	0.070%
205	15.265	15.256	15.278	VV	1332	17228	0.32%	0.061%
206	15.314	15.278	15.341	VV	3559	85853	1.62%	0.302%
207	15.352	15.341	15.375	VV	2251	37999	0.72%	0.134%
208	15.399	15.375	15.438	VV	2920	66189	1.25%	0.233%
209	15.445	15.438	15.475	VV	1265	26118	0.49%	0.092%
210	15.494	15.475	15.518	VV	1174	28265	0.53%	0.099%
211	15.550	15.518	15.581	VV	1431	44173	0.83%	0.155%
212	15.615	15.581	15.650	VV	1119	41148	0.78%	0.145%
213	15.659	15.650	15.700	VV	1034	29267	0.55%	0.103%
214	15.731	15.700	15.768	VV	17043	237766	4.48%	0.836%
215	15.777	15.768	15.855	VV	1409	55450	1.04%	0.195%
216	15.878	15.855	15.917	VV	1727	46716	0.88%	0.164%
217	15.958	15.917	15.988	VV	1750	44920	0.85%	0.158%
218	16.005	15.988	16.029	VV	811	15901	0.30%	0.056%
219	16.056	16.029	16.082	VV	642	16641	0.31%	0.058%

220	16.107	16.082	16.124	VV	706	14041	0.26%	0.049%
221	16.149	16.124	16.168	VV	908	17396	0.33%	0.061%
222	16.186	16.168	16.217	VV	1266	23044	0.43%	0.081%
223	16.248	16.217	16.277	VV	833	18852	0.36%	0.066%
224	16.297	16.277	16.328	VV	391	9911	0.19%	0.035%
225	16.343	16.328	16.355	VV	361	4862	0.09%	0.017%
226	16.378	16.355	16.424	VV	2212	35261	0.66%	0.124%
227	16.440	16.424	16.471	VV	549	7546	0.14%	0.027%
228	16.488	16.471	16.499	VV	198	2622	0.05%	0.009%
229	16.525	16.499	16.536	VV	343	5807	0.11%	0.020%
230	16.564	16.536	16.643	VV	635	19638	0.37%	0.069%
231	16.686	16.643	16.694	PV	296	4655	0.09%	0.016%
232	16.747	16.694	16.784	VV	1820	41331	0.78%	0.145%
233	16.803	16.784	16.813	VV	323	4765	0.09%	0.017%
234	16.861	16.813	16.921	VV	4123	71791	1.35%	0.252%
235	16.942	16.921	16.988	VV	982	16534	0.31%	0.058%
236	17.008	16.988	17.041	VV	482	10035	0.19%	0.035%
237	17.060	17.041	17.083	VV	538	7601	0.14%	0.027%
238	17.107	17.083	17.161	PV	692	13514	0.25%	0.048%
239	17.176	17.161	17.199	VV	584	7774	0.15%	0.027%
240	17.231	17.199	17.253	VV	682	13736	0.26%	0.048%
241	17.329	17.253	17.356	VV	11058	167075	3.15%	0.587%
242	17.381	17.356	17.439	VV	7452	111225	2.10%	0.391%
243	17.448	17.439	17.499	VV	328	8733	0.16%	0.031%
244	17.531	17.499	17.558	VV	485	10497	0.20%	0.037%
245	17.569	17.558	17.591	VV	384	5405	0.10%	0.019%
246	17.604	17.591	17.637	VV	378	7208	0.14%	0.025%
247	17.680	17.637	17.738	PV	1341	30716	0.58%	0.108%
248	17.780	17.738	17.831	VV	20737	292060	5.50%	1.027%
249	17.866	17.831	17.925	VV	618	19598	0.37%	0.069%
250	17.945	17.925	17.979	VV	346	7014	0.13%	0.025%
251	18.004	17.979	18.031	VV	301	3928	0.07%	0.014%
252	18.064	18.031	18.088	VV	436	7462	0.14%	0.026%
253	18.101	18.088	18.124	VV	320	4052	0.08%	0.014%
254	18.173	18.124	18.186	PV	1086	15866	0.30%	0.056%
255	18.218	18.186	18.282	VV	35650	521641	9.83%	1.834%
256	18.307	18.282	18.374	VV	1932	32702	0.62%	0.115%
257	18.457	18.374	18.470	PV	564	13402	0.25%	0.047%
258	18.492	18.470	18.521	VV	1234	21428	0.40%	0.075%

259	18.573	18.521	18.611	VV	8545	155659	2.93%	0.547%
260	18.640	18.611	18.705	VV	44196	650285	12.25%	2.286%
261	18.735	18.705	18.802	VV	1398	28877	0.54%	0.102%
262	18.851	18.802	18.871	PV	537	8823	0.17%	0.031%
263	18.905	18.871	18.929	VV	2301	38430	0.72%	0.135%
264	18.949	18.929	18.978	VV	1009	14312	0.27%	0.050%
265	19.051	18.978	19.117	VV	56281	810806	15.28%	2.850%
266	19.154	19.117	19.231	VV	1566	45587	0.86%	0.160%
267	19.253	19.231	19.271	VV	186	1972	0.04%	0.007%
268	19.307	19.271	19.335	VV	2780	43240	0.81%	0.152%
269	19.354	19.335	19.373	VV	1596	22516	0.42%	0.079%
270	19.405	19.373	19.422	VV	9149	135847	2.56%	0.478%
271	19.449	19.422	19.511	VV	54272	805912	15.18%	2.833%
272	19.549	19.511	19.585	VV	799	21450	0.40%	0.075%
273	19.646	19.585	19.666	VV	1380	36095	0.68%	0.127%
274	19.696	19.666	19.721	VV	4294	72388	1.36%	0.254%
275	19.742	19.721	19.788	VV	2570	47317	0.89%	0.166%
276	19.835	19.788	19.893	VV	55207	816281	15.38%	2.869%
277	19.935	19.893	19.967	VV	1792	45179	0.85%	0.159%
278	20.019	19.967	20.045	VV	1557	48174	0.91%	0.169%
279	20.075	20.045	20.098	VV	3685	76146	1.43%	0.268%
280	20.121	20.098	20.160	VV	3501	73225	1.38%	0.257%
281	20.210	20.160	20.290	VV	43739	713080	13.44%	2.507%
282	20.312	20.290	20.332	VV	1353	26430	0.50%	0.093%
283	20.393	20.332	20.412	VV	2398	80251	1.51%	0.282%
284	20.441	20.412	20.469	VV	4732	115101	2.17%	0.405%
285	20.488	20.469	20.528	VV	4035	86108	1.62%	0.303%
286	20.576	20.528	20.615	VV	44212	721861	13.60%	2.537%
287	20.636	20.615	20.682	VV	3041	93778	1.77%	0.330%
288	20.741	20.682	20.779	VV	5153	169311	3.19%	0.595%
289	20.803	20.779	20.829	VV	3901	92949	1.75%	0.327%
290	20.851	20.829	20.883	VV	3991	89523	1.69%	0.315%
291	20.943	20.883	21.007	VV	28589	602130	11.34%	2.117%
292	21.019	21.007	21.065	VV	2693	73565	1.39%	0.259%
293	21.128	21.065	21.168	VV	3516	153289	2.89%	0.539%
294	21.193	21.168	21.221	VV	3049	75559	1.42%	0.266%
295	21.248	21.221	21.294	VV	3187	94874	1.79%	0.333%
296	21.347	21.294	21.428	VV	25141	552939	10.42%	1.944%
297	21.454	21.428	21.485	VV	1487	35052	0.66%	0.123%

298	21.556	21.485	21.601	VV	1894	91380	1.72%	0.321%
299	21.630	21.601	21.655	VV	1726	46641	0.88%	0.164%
300	21.695	21.655	21.755	VV	2168	79442	1.50%	0.279%
301	21.807	21.755	21.908	VV	12348	300073	5.65%	1.055%
302	21.944	21.908	21.959	VV	465	10019	0.19%	0.035%
303	22.050	21.959	22.088	VV	984	52467	0.99%	0.184%
304	22.126	22.088	22.167	VV	783	23342	0.44%	0.082%
Sum of corrected areas:					28448104			

Aliphatic EPH 062725.M Sat Jun 28 02:35:48 2025

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-2	SDG No.:	Q2431
Lab Sample ID:	Q2431-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/30/25 11:59	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.29		1	1.40	2.36	mg/kg	FC069327.D
Aliphatic C9-C28	Aliphatic C9-C28	4.42	J	1	1.08	4.73	mg/kg	FC069327.D
Total AliphaticEPH	Total AliphaticEPH	9.71			2.48	7.09	mg/kg	
Total EPH	Total EPH	9.71			2.48	7.09	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-2	SDG No.:	Q2431
Lab Sample ID:	Q2431-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.4
Sample Wt/Vol:	30.06 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
FC069327.D	1	06/27/25	06/30/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.42	J	1.08	4.73	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.29		1.40	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.9		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.9		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2431-02	Acq On:	30 Jun 2025 11:59
Client Sample ID:	S-2	Operator:	YP/AJ
Data file:	FC069327.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	3.308	6.605	3919352	26.72	300	ug/ml
Aliphatic C12-C16	6.606	10.009	924086	5.804	200	ug/ml
Aliphatic C16-C21	10.010	13.379	1332196	8.626	300	ug/ml
Aliphatic C21-C28	13.380	17.046	1994006	14.884	400	ug/ml
Aliphatic C28-C40	17.047	22.025	6176657	67.047	600	ug/ml
Aliphatic EPH	3.308	22.025	14346297	123.082		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	4645575	26.89		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	3520509	26.95		ug/ml
Aliphatic C9-C28	3.308	17.046	8169640	56.034	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
 Data File : FC069327.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jun 2025 11:59
 Operator : YP/AJ
 Sample : Q2431-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 S-2

Integration File: autoint1.e
 Quant Time: Jul 01 05:04:01 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	4645575	26.891 ug/ml
Spiked Amount 50.000		Recovery =	53.78%
12) S 1-chlorooctadecane (S...	13.113	3520509	26.948 ug/ml
Spiked Amount 50.000		Recovery =	53.90%

Target Compounds

(f)=RT Delta > 1/2 Window

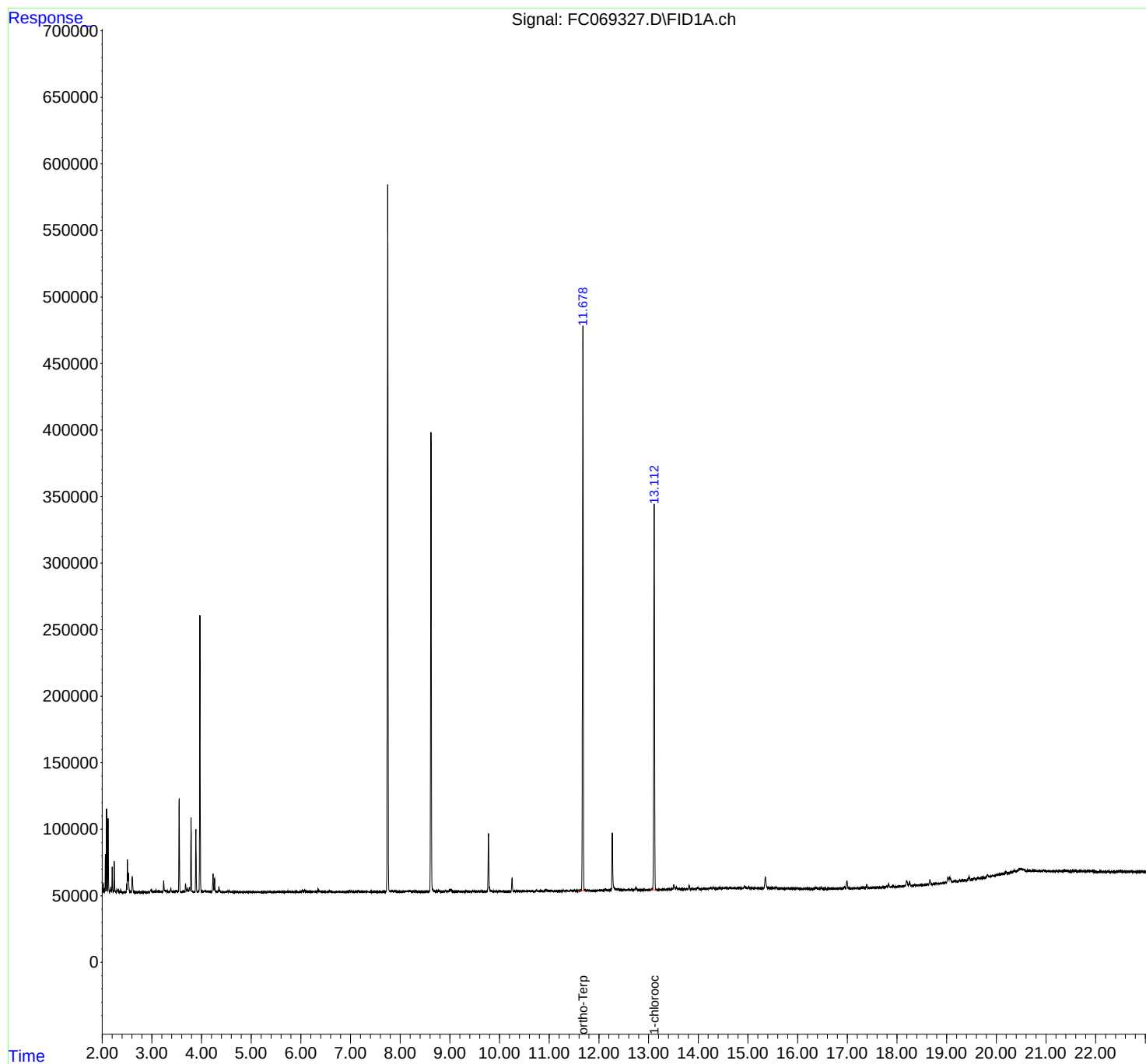
(m)=manual int.

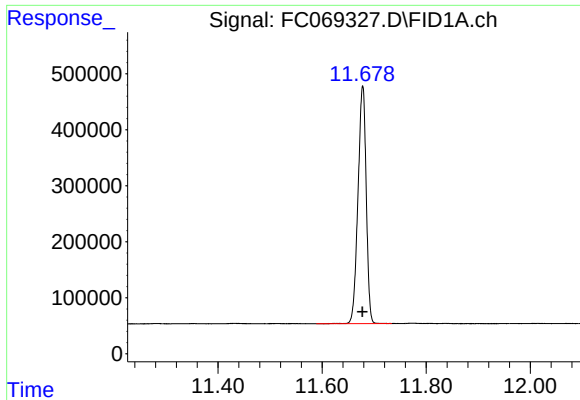
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
Data File : FC069327.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 11:59
Operator : YP/AJ
Sample : Q2431-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
S-2

Integration File: autoint1.e
Quant Time: Jul 01 05:04:01 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

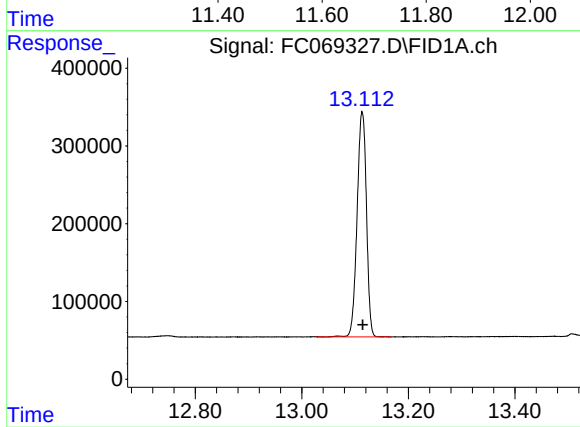




#9 ortho-Terphenyl (SURR)

R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 4645575
Conc: 26.89 ug/ml

Instrument :
FID_C
ClientSampleId :
S-2



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: 0.000 min
Response: 3520509
Conc: 26.95 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
Data File : FC069327.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 11:59
Sample : Q2431-02
Misc :
ALS Vial : 11 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	3.239	3.204	3.274	BV	8456	81068	1.74%	0.358%
2	3.284	3.274	3.301	VV	650	7036	0.15%	0.031%
3	3.314	3.301	3.344	VV	428	4054	0.09%	0.018%
4	3.383	3.344	3.414	VV	3017	28709	0.62%	0.127%
5	3.420	3.414	3.434	VV	293	2577	0.06%	0.011%
6	3.448	3.434	3.465	VV	272	3798	0.08%	0.017%
7	3.482	3.465	3.498	VV	783	8587	0.18%	0.038%
8	3.509	3.498	3.528	VV	570	7895	0.17%	0.035%
9	3.551	3.528	3.611	VV	68870	550724	11.81%	2.430%
10	3.627	3.611	3.663	VV	784	10920	0.23%	0.048%
11	3.680	3.663	3.711	VV	5713	66685	1.43%	0.294%
12	3.724	3.711	3.741	VV	3069	29303	0.63%	0.129%
13	3.760	3.741	3.771	VV	3623	34455	0.74%	0.152%
14	3.790	3.771	3.861	VV	55345	446849	9.58%	1.971%
15	3.887	3.861	3.918	PV	46553	376751	8.08%	1.662%
16	3.968	3.918	4.031	VV	208198	1701268	36.48%	7.505%
17	4.051	4.031	4.071	VV	756	12477	0.27%	0.055%
18	4.080	4.071	4.095	VV	712	7934	0.17%	0.035%
19	4.104	4.095	4.135	VV	678	11205	0.24%	0.049%
20	4.149	4.135	4.166	VV	492	7052	0.15%	0.031%
21	4.232	4.166	4.250	VV	13651	160333	3.44%	0.707%
22	4.263	4.250	4.308	VV	10096	91298	1.96%	0.403%
23	4.316	4.308	4.331	VV	232	3027	0.06%	0.013%
24	4.350	4.331	4.386	VV	4074	44081	0.95%	0.194%
25	4.407	4.386	4.428	VV	185	3248	0.07%	0.014%
26	4.443	4.428	4.460	VV	158	2250	0.05%	0.010%
27	4.477	4.460	4.500	VV	346	4413	0.09%	0.019%
28	4.530	4.500	4.540	VV	607	7784	0.17%	0.034%
29	4.554	4.540	4.608	VV	1302	15444	0.33%	0.068%
30	4.621	4.608	4.645	PV	271	3023	0.06%	0.013%
31	4.654	4.645	4.665	VV	76	706	0.02%	0.003%
32	4.724	4.665	4.746	VV	673	8038	0.17%	0.035%
33	4.759	4.746	4.798	PV	82	1449	0.03%	0.006%
34	4.812	4.798	4.827	VV	126	1165	0.02%	0.005%
35	4.838	4.827	4.908	VV	91	4054	0.09%	0.018%
36	4.919	4.908	4.956	VV	161	3145	0.07%	0.014%

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37	4.986	4.956	5.015	VV	134	3010	0.06%	0.013%
38	5.035	5.015	5.057	VV	316	5063	0.11%	0.022%
39	5.069	5.057	5.101	VV	192	4281	0.09%	0.019%
40	5.118	5.101	5.140	VV	223	3942	0.08%	0.017%
41	5.162	5.140	5.188	VV	231	4093	0.09%	0.018%
42	5.216	5.188	5.238	VV	146	2829	0.06%	0.012%
43	5.251	5.238	5.315	PV	118	2784	0.06%	0.012%
44	5.335	5.315	5.383	VV	576	7331	0.16%	0.032%
45	5.396	5.383	5.403	VV	155	1112	0.02%	0.005%
46	5.407	5.403	5.429	VV	92	1169	0.03%	0.005%
47	5.446	5.429	5.484	VV	123	2391	0.05%	0.011%
48	5.521	5.484	5.534	VV	163	2593	0.06%	0.011%
49	5.547	5.534	5.607	VV	392	9803	0.21%	0.043%
50	5.623	5.607	5.655	VV	398	7512	0.16%	0.033%
51	5.664	5.655	5.694	VV	343	3867	0.08%	0.017%
52	5.708	5.694	5.731	VV	256	4704	0.10%	0.021%
53	5.738	5.731	5.782	VV	315	5788	0.12%	0.026%
54	5.812	5.782	5.850	VV	216	6014	0.13%	0.027%
55	5.864	5.850	5.884	VV	313	3660	0.08%	0.016%
56	5.907	5.884	5.968	VV	507	11716	0.25%	0.052%
57	6.027	5.968	6.048	VV	1290	22392	0.48%	0.099%
58	6.075	6.048	6.121	VV	1708	33188	0.71%	0.146%
59	6.132	6.121	6.153	VV	424	6370	0.14%	0.028%
60	6.164	6.153	6.192	VV	359	6065	0.13%	0.027%
61	6.216	6.192	6.247	VV	387	9596	0.21%	0.042%
62	6.257	6.247	6.324	VV	353	12214	0.26%	0.054%
63	6.347	6.324	6.411	VV	1733	31836	0.68%	0.140%
64	6.420	6.411	6.438	VV	296	4223	0.09%	0.019%
65	6.444	6.438	6.458	VV	291	2946	0.06%	0.013%
66	6.503	6.458	6.552	VV	446	16846	0.36%	0.074%
67	6.574	6.552	6.648	VV	651	15313	0.33%	0.068%
68	6.660	6.648	6.674	VV	126	1736	0.04%	0.008%
69	6.678	6.674	6.686	VV	125	639	0.01%	0.003%
70	6.690	6.686	6.698	VV	95	478	0.01%	0.002%
71	6.712	6.698	6.748	VV	140	3075	0.07%	0.014%
72	6.779	6.748	6.848	VV	202	7248	0.16%	0.032%
73	6.868	6.848	6.886	PV	97	2056	0.04%	0.009%
74	6.895	6.886	6.938	VV	112	2557	0.05%	0.011%
75	6.972	6.938	7.084	VV	772	27743	0.59%	0.122%
76	7.096	7.084	7.100	VV	149	1372	0.03%	0.006%
77	7.114	7.100	7.137	VV	370	4640	0.10%	0.020%
78	7.154	7.137	7.221	VV	1189	19273	0.41%	0.085%
79	7.228	7.221	7.239	VV	221	1926	0.04%	0.008%
80	7.296	7.239	7.314	VV	381	9970	0.21%	0.044%
81	7.328	7.314	7.394	VV	224	7098	0.15%	0.031%
82	7.411	7.394	7.424	VV	588	2802	0.06%	0.012%
83	7.435	7.424	7.470	VV	213	3118	0.07%	0.014%
84	7.488	7.470	7.514	VV	186	2784	0.06%	0.012%
85	7.562	7.514	7.601	VV	164	4837	0.10%	0.021%
86	7.618	7.601	7.630	PV	96	1235	0.03%	0.005%
87	7.648	7.630	7.698	VV	451	8556	0.18%	0.038%
88	7.843	7.814	7.871	VV	595	16033	0.34%	0.071%
89	7.885	7.871	7.902	VV	829	10538	0.23%	0.046%

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90	7.913	7.902	7.969	VV	622	9864	0.21%	0.044%
91	7.982	7.969	7.992	VV	323	2589	0.06%	0.011%
92	7.998	7.992	8.010	VV	177	1618	0.03%	0.007%
93	8.020	8.010	8.058	VV	243	5263	0.11%	0.023%
94	8.196	8.058	8.225	VV	692	41825	0.90%	0.185%
95	8.268	8.225	8.289	VV	628	16624	0.36%	0.073%
96	8.302	8.289	8.351	VV	462	9032	0.19%	0.040%
97	8.362	8.351	8.401	VV	151	3447	0.07%	0.015%
98	8.423	8.401	8.451	VV	189	3319	0.07%	0.015%
99	8.455	8.451	8.470	VV	107	660	0.01%	0.003%
100	8.481	8.470	8.504	PV	113	1304	0.03%	0.006%
101	8.533	8.504	8.565	PV	453	7610	0.16%	0.034%
102	8.771	8.725	8.828	VV	912	28112	0.60%	0.124%
103	8.837	8.828	8.863	VV	215	3723	0.08%	0.016%
104	8.872	8.863	8.880	VV	171	1594	0.03%	0.007%
105	8.910	8.880	8.956	VV	862	15988	0.34%	0.071%
106	9.019	8.956	9.091	VV	1670	50971	1.09%	0.225%
107	9.098	9.091	9.111	VV	182	2004	0.04%	0.009%
108	9.130	9.111	9.151	VV	340	5187	0.11%	0.023%
109	9.183	9.151	9.214	VV	318	7844	0.17%	0.035%
110	9.229	9.214	9.253	VV	230	3835	0.08%	0.017%
111	9.264	9.253	9.293	VV	165	2717	0.06%	0.012%
112	9.312	9.293	9.334	VV	198	3602	0.08%	0.016%
113	9.355	9.334	9.374	VV	223	3447	0.07%	0.015%
114	9.388	9.374	9.396	VV	141	1421	0.03%	0.006%
115	9.420	9.396	9.441	VV	172	3524	0.08%	0.016%
116	9.507	9.441	9.526	VV	403	14443	0.31%	0.064%
117	9.537	9.526	9.558	VV	251	4228	0.09%	0.019%
118	9.574	9.558	9.608	VV	307	7389	0.16%	0.033%
119	9.619	9.608	9.664	VV	256	6615	0.14%	0.029%
120	9.678	9.664	9.704	VV	257	4346	0.09%	0.019%
121	9.778	9.704	9.888	VV	43787	499765	10.72%	2.205%
122	9.906	9.888	9.938	VV	372	6842	0.15%	0.030%
123	9.952	9.938	9.988	VV	131	2795	0.06%	0.012%
124	9.992	9.988	9.997	VV	219	825	0.02%	0.004%
125	10.015	9.997	10.041	VV	312	5319	0.11%	0.023%
126	10.050	10.041	10.098	VV	160	3703	0.08%	0.016%
127	10.105	10.098	10.139	VV	90	1401	0.03%	0.006%
128	10.152	10.139	10.174	VV	75	965	0.02%	0.004%
129	10.183	10.174	10.197	PV	86	917	0.02%	0.004%
130	10.212	10.197	10.222	VV	80	894	0.02%	0.004%
131	10.252	10.222	10.313	PV	9956	111900	2.40%	0.494%
132	10.348	10.313	10.438	VV	682	24433	0.52%	0.108%
133	10.462	10.438	10.470	VV	225	3954	0.08%	0.017%
134	10.481	10.470	10.493	VV	253	2801	0.06%	0.012%
135	10.511	10.493	10.524	VV	400	4956	0.11%	0.022%
136	10.544	10.524	10.579	VV	383	8536	0.18%	0.038%
137	10.602	10.579	10.626	VV	388	6594	0.14%	0.029%
138	10.649	10.626	10.664	VV	361	5085	0.11%	0.022%
139	10.671	10.664	10.688	VV	144	1506	0.03%	0.007%
140	10.744	10.688	10.768	VV	911	16861	0.36%	0.074%
141	10.784	10.768	10.819	VV	231	5693	0.12%	0.025%

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142	10.839	10.819	10.879	VV	276	5944	0.13%	0.026%
143	10.927	10.879	11.010	VV	1388	34167	0.73%	0.151%
144	11.043	11.010	11.063	VV	575	10110	0.22%	0.045%
145	11.077	11.063	11.121	VV	264	6173	0.13%	0.027%
146	11.128	11.121	11.143	VV	150	1628	0.03%	0.007%
147	11.156	11.143	11.191	VV	132	2166	0.05%	0.010%
148	11.217	11.191	11.247	PV	118	2133	0.05%	0.009%
149	11.282	11.247	11.306	PV	557	7942	0.17%	0.035%
150	11.353	11.306	11.401	VV	440	11234	0.24%	0.050%
151	11.433	11.401	11.471	VV	771	15831	0.34%	0.070%
152	11.514	11.471	11.531	VV	457	9763	0.21%	0.043%
153	11.545	11.531	11.577	VV	310	6353	0.14%	0.028%
154	11.627	11.577	11.641	VV	592	11536	0.25%	0.051%
155	11.678	11.641	11.753	VV	425978	4664104	100.00%	20.576%
156	11.774	11.753	11.796	VV	969	17094	0.37%	0.075%
157	11.808	11.796	11.823	VV	565	7039	0.15%	0.031%
158	11.838	11.823	11.885	VV	554	10790	0.23%	0.048%
159	11.902	11.885	11.931	VV	214	4828	0.10%	0.021%
160	11.971	11.931	11.984	VV	285	7027	0.15%	0.031%
161	12.014	11.984	12.040	VV	508	11688	0.25%	0.052%
162	12.069	12.040	12.096	VV	381	10276	0.22%	0.045%
163	12.124	12.096	12.217	VV	1140	43519	0.93%	0.192%
164	12.269	12.217	12.340	VV	43083	533790	11.44%	2.355%
165	12.355	12.340	12.370	VV	1308	20406	0.44%	0.090%
166	12.386	12.370	12.458	VV	1396	45970	0.99%	0.203%
167	12.475	12.458	12.491	VV	791	13846	0.30%	0.061%
168	12.500	12.491	12.530	VV	756	13447	0.29%	0.059%
169	12.542	12.530	12.571	VV	483	10863	0.23%	0.048%
170	12.602	12.571	12.640	VV	875	23784	0.51%	0.105%
171	12.661	12.640	12.681	VV	910	16440	0.35%	0.073%
172	12.693	12.681	12.706	VV	564	7339	0.16%	0.032%
173	12.748	12.706	12.801	VV	2061	53788	1.15%	0.237%
174	12.811	12.801	12.829	VV	495	6933	0.15%	0.031%
175	12.839	12.829	12.854	VV	444	5864	0.13%	0.026%
176	12.873	12.854	12.904	VV	505	12473	0.27%	0.055%
177	12.917	12.904	12.942	VV	530	9933	0.21%	0.044%
178	12.954	12.942	12.972	VV	470	7801	0.17%	0.034%
179	12.988	12.972	13.002	VV	486	8096	0.17%	0.036%
180	13.023	13.002	13.041	VV	660	12416	0.27%	0.055%
181	13.068	13.041	13.077	VV	1406	20242	0.43%	0.089%
182	13.113	13.077	13.178	VV	289735	3540152	75.90%	15.618%
183	13.228	13.178	13.257	VV	620	23770	0.51%	0.105%
184	13.277	13.257	13.304	VV	736	16310	0.35%	0.072%
185	13.325	13.304	13.336	VV	618	10787	0.23%	0.048%
186	13.364	13.336	13.374	VV	743	15139	0.32%	0.067%
187	13.399	13.374	13.429	VV	922	25281	0.54%	0.112%
188	13.472	13.429	13.487	VV	1059	28980	0.62%	0.128%
189	13.508	13.487	13.541	VV	4176	71725	1.54%	0.316%
190	13.558	13.541	13.591	VV	2221	43745	0.94%	0.193%
191	13.614	13.591	13.667	VV	1171	38654	0.83%	0.171%
192	13.717	13.667	13.745	VV	869	34915	0.75%	0.154%
193	13.816	13.745	13.848	VV	3758	78871	1.69%	0.348%
194	13.862	13.848	13.882	VV	990	17303	0.37%	0.076%

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195	13.903	13.882	13.944	VV	887	29921	0.64%	0.132%
196	13.991	13.944	14.046	VV	2254	67537	1.45%	0.298%
197	14.102	14.046	14.128	VV	952	41100	0.88%	0.181%
198	14.141	14.128	14.150	VV	913	11416	0.24%	0.050%
199	14.185	14.150	14.201	VV	913	27009	0.58%	0.119%
200	14.220	14.201	14.237	VV	1308	23678	0.51%	0.104%
201	14.259	14.237	14.279	VV	1532	33187	0.71%	0.146%
202	14.300	14.279	14.324	VV	1940	38374	0.82%	0.169%
203	14.362	14.324	14.407	VV	1153	49438	1.06%	0.218%
204	14.433	14.407	14.472	VV	1754	49506	1.06%	0.218%
205	14.489	14.472	14.517	VV	1326	32631	0.70%	0.144%
206	14.554	14.517	14.572	VV	1597	43701	0.94%	0.193%
207	14.581	14.572	14.618	VV	1239	30725	0.66%	0.136%
208	14.648	14.618	14.678	VV	1623	45659	0.98%	0.201%
209	14.702	14.678	14.727	VV	1322	36250	0.78%	0.160%
210	14.742	14.727	14.757	VV	1366	22529	0.48%	0.099%
211	14.768	14.757	14.793	VV	1216	24952	0.53%	0.110%
212	14.820	14.793	14.841	VV	1305	33530	0.72%	0.148%
213	14.863	14.841	14.882	VV	1198	27216	0.58%	0.120%
214	14.928	14.882	14.952	VV	2494	66221	1.42%	0.292%
215	14.966	14.952	14.984	VV	1470	26103	0.56%	0.115%
216	15.014	14.984	15.044	VV	1880	48405	1.04%	0.214%
217	15.071	15.044	15.094	VV	1090	31694	0.68%	0.140%
218	15.108	15.094	15.135	VV	1061	23894	0.51%	0.105%
219	15.163	15.135	15.194	VV	1248	36480	0.78%	0.161%
220	15.217	15.194	15.254	VV	1167	36389	0.78%	0.161%
221	15.288	15.254	15.310	VV	975	30117	0.65%	0.133%
222	15.350	15.310	15.421	VV	9263	211843	4.54%	0.935%
223	15.431	15.421	15.464	VV	1009	23586	0.51%	0.104%
224	15.491	15.464	15.527	VV	1291	38832	0.83%	0.171%
225	15.568	15.527	15.598	VV	1861	44580	0.96%	0.197%
226	15.620	15.598	15.648	VV	729	18412	0.39%	0.081%
227	15.671	15.648	15.704	VV	630	18917	0.41%	0.083%
228	15.728	15.704	15.744	VV	577	12248	0.26%	0.054%
229	15.761	15.744	15.783	VV	598	11667	0.25%	0.051%
230	15.802	15.783	15.841	VV	757	19616	0.42%	0.087%
231	15.875	15.841	15.895	VV	603	15922	0.34%	0.070%
232	15.907	15.895	15.948	VV	486	12322	0.26%	0.054%
233	15.954	15.948	15.971	VV	383	5167	0.11%	0.023%
234	15.992	15.971	16.039	VV	926	18903	0.41%	0.083%
235	16.049	16.039	16.082	VV	319	6321	0.14%	0.028%
236	16.130	16.082	16.144	VV	243	6609	0.14%	0.029%
237	16.183	16.144	16.254	VV	686	17673	0.38%	0.078%
238	16.291	16.254	16.301	VV	161	3031	0.06%	0.013%
239	16.332	16.301	16.345	VV	354	5955	0.13%	0.026%
240	16.370	16.345	16.402	VV	969	18800	0.40%	0.083%
241	16.411	16.402	16.449	VV	321	8062	0.17%	0.036%
242	16.474	16.449	16.528	VV	1014	17309	0.37%	0.076%
243	16.556	16.528	16.588	VV	603	9576	0.21%	0.042%
244	16.632	16.588	16.653	PV	227	5859	0.13%	0.026%
245	16.673	16.653	16.699	VV	464	6682	0.14%	0.029%
246	16.744	16.699	16.761	VV	180	3495	0.07%	0.015%

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247	16.791	16.761	16.816	VV	427	5590	0.12%	0.025%
248	16.851	16.816	16.888	VV	266	6289	0.13%	0.028%
249	16.942	16.888	16.964	VV	1373	24111	0.52%	0.106%
250	16.993	16.964	17.053	VV	6016	89493	1.92%	0.395%
251	17.086	17.053	17.114	PV	177	3625	0.08%	0.016%
252	17.150	17.114	17.174	VV	328	6850	0.15%	0.030%
253	17.184	17.174	17.215	VV	152	2868	0.06%	0.013%
254	17.289	17.215	17.298	VV	448	8678	0.19%	0.038%
255	17.324	17.298	17.345	VV	547	9113	0.20%	0.040%
256	17.393	17.345	17.431	VV	2366	35519	0.76%	0.157%
257	17.478	17.431	17.496	PV	205	4103	0.09%	0.018%
258	17.557	17.496	17.580	VV	223	6788	0.15%	0.030%
259	17.620	17.580	17.639	VV	217	4636	0.10%	0.020%
260	17.676	17.639	17.691	VV	174	2457	0.05%	0.011%
261	17.716	17.691	17.744	VV	277	4863	0.10%	0.021%
262	17.787	17.744	17.805	VV	641	12197	0.26%	0.054%
263	17.831	17.805	17.860	VV	2744	38259	0.82%	0.169%
264	17.923	17.860	17.943	PV	846	16757	0.36%	0.074%
265	17.952	17.943	17.976	VV	283	4325	0.09%	0.019%
266	18.067	17.976	18.095	VV	375	13661	0.29%	0.060%
267	18.107	18.095	18.130	VV	144	2105	0.05%	0.009%
268	18.196	18.130	18.231	PV	4259	89298	1.91%	0.394%
269	18.254	18.231	18.288	VV	3236	50534	1.08%	0.223%
270	18.355	18.288	18.389	VV	620	14104	0.30%	0.062%
271	18.397	18.389	18.404	VV	117	1255	0.03%	0.006%
272	18.466	18.404	18.494	VV	415	10678	0.23%	0.047%
273	18.520	18.494	18.531	VV	225	4112	0.09%	0.018%
274	18.568	18.531	18.587	VV	330	5746	0.12%	0.025%
275	18.664	18.587	18.714	VV	3189	60384	1.29%	0.266%
276	18.766	18.714	18.828	VV	816	33174	0.71%	0.146%
277	19.026	18.828	19.048	VV	4667	137591	2.95%	0.607%
278	19.066	19.048	19.116	VV	4077	103450	2.22%	0.456%
279	19.164	19.116	19.218	VV	1456	67445	1.45%	0.298%
280	19.261	19.218	19.288	VV	1607	53556	1.15%	0.236%
281	19.317	19.288	19.337	VV	1413	37860	0.81%	0.167%
282	19.371	19.337	19.389	VV	1322	38506	0.83%	0.170%
283	19.451	19.389	19.481	VV	3633	106198	2.28%	0.469%
284	19.557	19.481	19.588	VV	2272	114176	2.45%	0.504%
285	19.629	19.588	19.651	VV	2481	78714	1.69%	0.347%
286	19.676	19.651	19.688	VV	2109	45514	0.98%	0.201%
287	19.743	19.688	19.763	VV	2437	99883	2.14%	0.441%
288	19.826	19.763	19.851	VV	4401	159353	3.42%	0.703%
289	19.862	19.851	19.884	VV	2989	57666	1.24%	0.254%
290	19.932	19.884	19.964	VV	3370	150554	3.23%	0.664%
291	20.081	19.964	20.104	VV	4155	313863	6.73%	1.385%
292	20.145	20.104	20.154	VV	4120	120253	2.58%	0.531%
293	20.193	20.154	20.222	VV	5550	191745	4.11%	0.846%
294	20.291	20.222	20.310	VV	4988	246657	5.29%	1.088%
295	20.358	20.310	20.394	VV	6170	272278	5.84%	1.201%
296	20.475	20.394	20.483	VV	6702	324835	6.96%	1.433%
297	20.501	20.483	20.535	VV	6817	202199	4.34%	0.892%
298	20.555	20.535	20.600	VV	6259	224882	4.82%	0.992%
299	20.613	20.600	20.643	VV	5223	132817	2.85%	0.586%

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300	20.667	20.643	20.706	VV	5346	191427	4.10%	0.844%
301	20.751	20.706	20.803	VV	4940	277749	5.96%	1.225%
302	20.822	20.803	20.841	VV	4448	100167	2.15%	0.442%
303	20.870	20.841	20.901	VV	4389	153279	3.29%	0.676%
304	20.960	20.901	21.028	VV	4570	311558	6.68%	1.374%
305	21.038	21.028	21.049	VV	3630	46646	1.00%	0.206%
306	21.069	21.049	21.127	VV	3605	160135	3.43%	0.706%
307	21.217	21.127	21.231	VV	3252	202651	4.34%	0.894%
308	21.271	21.231	21.348	VV	3315	214194	4.59%	0.945%
309	21.377	21.348	21.387	VV	3062	70121	1.50%	0.309%
310	21.407	21.387	21.497	VV	3262	180299	3.87%	0.795%
311	21.563	21.497	21.576	VV	2491	112561	2.41%	0.497%
312	21.581	21.576	21.634	VV	2442	75336	1.62%	0.332%
313	21.699	21.634	21.724	VV	2048	105709	2.27%	0.466%
314	21.755	21.724	21.808	VV	1869	85642	1.84%	0.378%
315	21.878	21.808	21.891	VV	1566	75168	1.61%	0.332%
316	21.894	21.891	21.901	VV	1534	8899	0.19%	0.039%
317	21.917	21.901	22.041	VV	1659	79032	1.69%	0.349%
318	22.116	22.041	22.192	VV	481	28962	0.62%	0.128%
					Sum of corrected areas:		22667615	

Aliphatic EPH 061825.M Tue Jul 01 05:54:06 2025

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-3	SDG No.:	Q2431
Lab Sample ID:	Q2431-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.2
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
06/27/25 08:30	06/27/25 18:55	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.53		1	1.42	2.40	mg/kg	FE054620.D
Aliphatic C9-C28	Aliphatic C9-C28	7.53		1	1.09	4.80	mg/kg	FE054620.D
Total AliphaticEPH	Total AliphaticEPH	13.1			2.51	7.20	mg/kg	
Total EPH	Total EPH	13.1			2.51	7.20	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-3	SDG No.:	Q2431
Lab Sample ID:	Q2431-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.2
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
FE054620.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.53		1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.53		1.42	2.40	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.2		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.0		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2431-03	Acq On:	27 Jun 2025 18:55
Client Sample ID:	S-3	Operator:	YP\AJ
Data file:	FE054620.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	3.317	6.943	3948703	29.023	300	ug/ml
Aliphatic C12-C16	6.944	10.391	1035182	7.364	200	ug/ml
Aliphatic C16-C21	10.392	13.764	5475359	37.92	300	ug/ml
Aliphatic C21-C28	13.765	17.429	2850896	19.709	400	ug/ml
Aliphatic C28-C40	17.430	22.428	9582574	69.115	600	ug/ml
Aliphatic EPH	3.317	22.428	22892714	163.13		ug/ml
ortho-Terphenyl (SURR)	12.065	12.065	5194786	31.99		ug/ml
1-chlorooctadecane (SURR)	13.501	13.501	4064825	32.19		ug/ml
Aliphatic C9-C28	3.317	17.429	13310140	94.016	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054620.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 18:55
 Operator : YP\AJ
 Sample : Q2431-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 S-3

Integration File: autoint1.e
 Quant Time: Jun 28 01:47:39 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)	12.065	5194786	31.989 ug/ml
Spiked Amount 50.000		Recovery =	63.98%
12) S 1-chlorooctadecane (S...	13.501	4064825	32.185 ug/ml
Spiked Amount 50.000		Recovery =	64.37%

Target Compounds

(f)=RT Delta > 1/2 Window

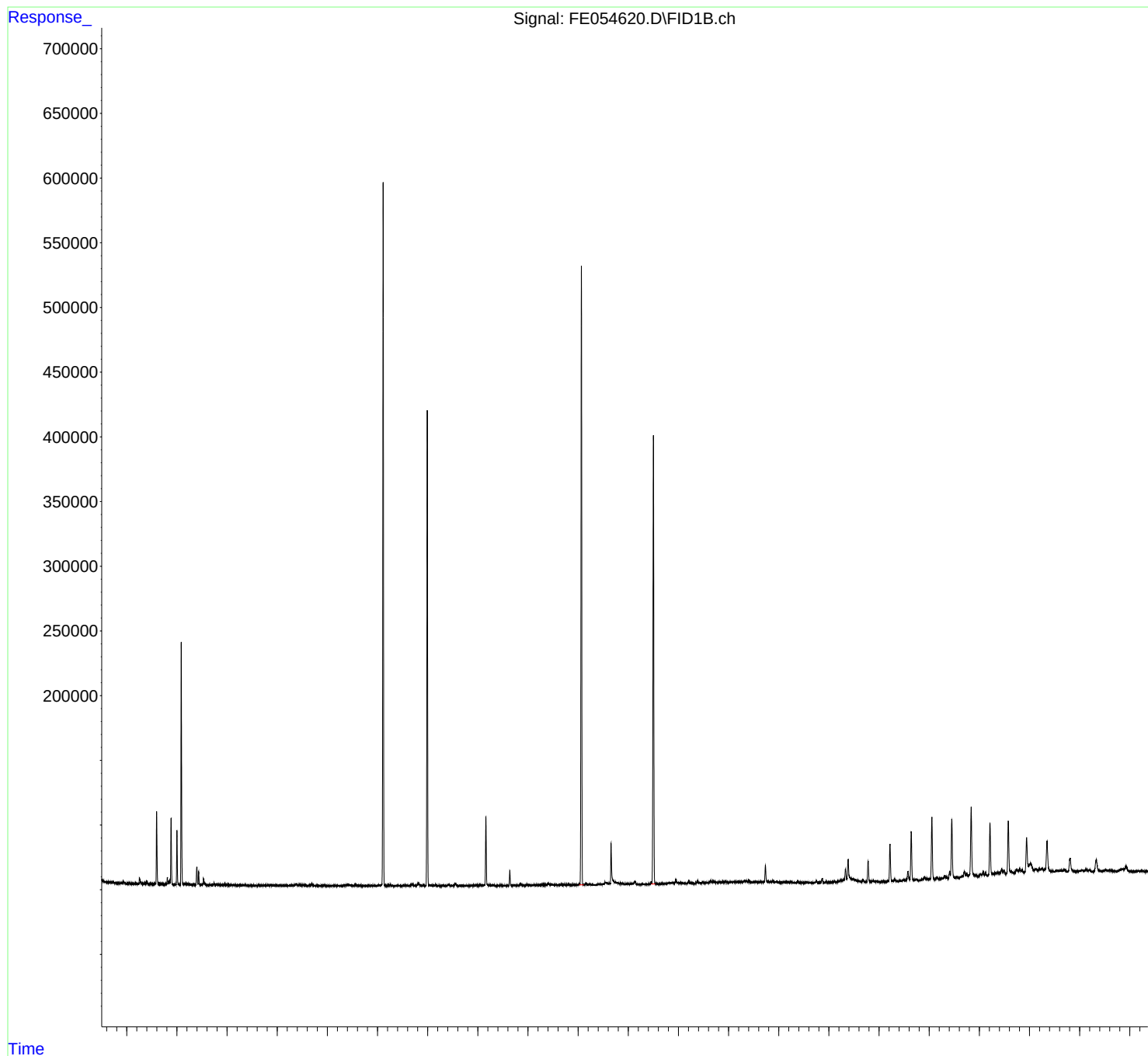
(m)=manual int.

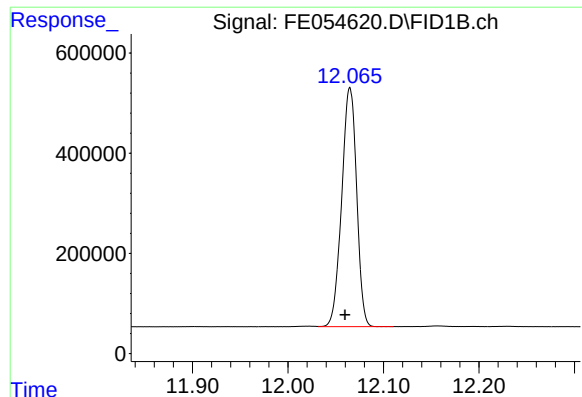
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054620.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 18:55
Operator : YP\AJ
Sample : Q2431-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-3

Integration File: autoint1.e
Quant Time: Jun 28 01:47:39 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

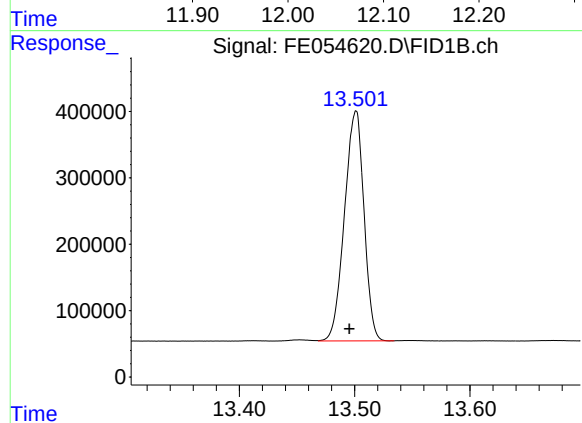




#9 ortho-Terphenyl (SURR)

R.T.: 12.065 min
Delta R.T.: 0.005 min
Response: 5194786
Conc: 31.99 ug/ml

Instrument :
FID_E
ClientSampleId :
S-3



#12 1-chlorooctadecane (SURR)

R.T.: 13.501 min
Delta R.T.: 0.005 min
Response: 4064825
Conc: 32.19 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\

Data File : FE054620.D

Signal(s) : FID1B.ch

Acq On : 27 Jun 2025 18:55

Sample : Q2431-03

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	2.832	2.804	2.866	BV	127	1594	0.03%	0.006%
2	2.881	2.866	2.901	PV	443	3897	0.07%	0.014%
3	2.912	2.901	2.920	PV	623	4815	0.09%	0.017%
4	2.932	2.920	3.019	VV	1544	29240	0.56%	0.104%
5	3.031	3.019	3.101	VV	133	5514	0.11%	0.020%
6	3.122	3.101	3.141	PV	269	2966	0.06%	0.011%
7	3.164	3.141	3.230	VV	226	4705	0.09%	0.017%
8	3.254	3.230	3.334	PV	4402	70076	1.34%	0.248%
9	3.353	3.334	3.378	VV	630	11352	0.22%	0.040%
10	3.398	3.378	3.461	VV	2470	30713	0.59%	0.109%
11	3.466	3.461	3.520	VV	137	3463	0.07%	0.012%
12	3.559	3.520	3.573	VV	636	10186	0.19%	0.036%
13	3.596	3.573	3.698	VV	56382	533806	10.21%	1.890%
14	3.712	3.698	3.761	VV	287	9551	0.18%	0.034%
15	3.775	3.761	3.791	VV	407	5321	0.10%	0.019%
16	3.809	3.791	3.837	VV	5490	65808	1.26%	0.233%
17	3.852	3.837	3.864	VV	3013	32639	0.62%	0.116%
18	3.884	3.864	3.944	VV	50968	477514	9.14%	1.691%
19	4.001	3.944	4.060	VV	41641	378933	7.25%	1.342%
20	4.087	4.060	4.164	PV	182776	1677135	32.08%	5.938%
21	4.190	4.164	4.208	VV	699	13903	0.27%	0.049%
22	4.216	4.208	4.291	VV	660	18146	0.35%	0.064%
23	4.302	4.291	4.312	VV	235	2552	0.05%	0.009%

24	4.324	4.312	4.368	VV	312	7054	0.13%	0.025%
25	4.397	4.368	4.417	VV	13684	165273	3.16%	0.585%
26	4.433	4.417	4.468	VV	10239	101995	1.95%	0.361%
27	4.473	4.468	4.487	VV	246	2571	0.05%	0.009%
28	4.531	4.487	4.549	VV	4558	49092	0.94%	0.174%
29	4.557	4.549	4.631	VV	1121	15080	0.29%	0.053%
30	4.637	4.631	4.655	VV	215	2163	0.04%	0.008%
31	4.671	4.655	4.688	VV	370	4410	0.08%	0.016%
32	4.740	4.688	4.769	VV	1275	21649	0.41%	0.077%
33	4.792	4.769	4.835	VV	1016	15770	0.30%	0.056%
34	4.856	4.835	4.878	VV	447	6322	0.12%	0.022%
35	4.895	4.878	4.931	VV	455	8229	0.16%	0.029%
36	4.953	4.931	4.974	VV	820	10720	0.21%	0.038%
37	4.995	4.974	5.028	VV	263	6700	0.13%	0.024%
38	5.051	5.028	5.072	VV	304	5379	0.10%	0.019%
39	5.100	5.072	5.254	VV	297	15300	0.29%	0.054%
40	5.270	5.254	5.288	VV	188	2858	0.05%	0.010%
41	5.312	5.288	5.331	VV	501	6686	0.13%	0.024%
42	5.357	5.331	5.401	VV	319	6997	0.13%	0.025%
43	5.417	5.401	5.469	VV	230	3457	0.07%	0.012%
44	5.489	5.469	5.529	PV	181	3550	0.07%	0.013%
45	5.575	5.529	5.601	VV	209	3725	0.07%	0.013%
46	5.625	5.601	5.702	VV	444	7918	0.15%	0.028%
47	5.723	5.702	5.792	PV	184	4685	0.09%	0.017%
48	5.811	5.792	5.835	VV	186	3034	0.06%	0.011%
49	5.868	5.835	5.893	VV	521	8168	0.16%	0.029%
50	5.941	5.893	5.970	VV	337	8066	0.15%	0.029%
51	5.992	5.970	6.051	VV	279	8682	0.17%	0.031%
52	6.091	6.051	6.167	VV	283	12211	0.23%	0.043%
53	6.188	6.167	6.214	VV	173	3522	0.07%	0.012%
54	6.227	6.214	6.241	VV	153	2048	0.04%	0.007%
55	6.255	6.241	6.284	VV	216	4511	0.09%	0.016%
56	6.299	6.284	6.310	VV	220	2480	0.05%	0.009%
57	6.330	6.310	6.344	VV	374	5894	0.11%	0.021%
58	6.384	6.344	6.429	VV	1624	39150	0.75%	0.139%
59	6.438	6.429	6.454	VV	461	5865	0.11%	0.021%
60	6.555	6.454	6.667	VV	584	48282	0.92%	0.171%
61	6.687	6.667	6.811	VV	1804	30401	0.58%	0.108%
62	6.833	6.811	6.897	VV	225	6411	0.12%	0.023%

63	6.935	6.897	6.978	VV	749	11373	0.22%	0.040%
64	6.987	6.978	7.054	VV	126	2204	0.04%	0.008%
65	7.094	7.054	7.124	PV	142	4849	0.09%	0.017%
66	7.143	7.124	7.193	VV	182	4384	0.08%	0.016%
67	7.222	7.193	7.271	VV	123	3666	0.07%	0.013%
68	7.325	7.271	7.347	VV	676	11806	0.23%	0.042%
69	7.395	7.347	7.521	VV	710	50012	0.96%	0.177%
70	7.556	7.521	7.644	VV	606	20361	0.39%	0.072%
71	7.663	7.644	7.721	VV	299	6290	0.12%	0.022%
72	7.745	7.721	7.771	VV	159	3433	0.07%	0.012%
73	7.787	7.771	7.844	VV	172	3788	0.07%	0.013%
74	7.865	7.844	7.924	VV	139	3719	0.07%	0.013%
75	7.957	7.924	7.981	VV	215	4287	0.08%	0.015%
76	8.030	7.981	8.054	VV	703	13036	0.25%	0.046%
77	8.209	8.181	8.244	VV	565	15911	0.30%	0.056%
78	8.257	8.244	8.375	VV	899	15870	0.30%	0.056%
79	8.419	8.375	8.437	PV	98	2328	0.04%	0.008%
80	8.456	8.437	8.474	VV	97	1572	0.03%	0.006%
81	8.574	8.474	8.631	VV	458	17230	0.33%	0.061%
82	8.686	8.631	8.768	VV	1267	43441	0.83%	0.154%
83	8.816	8.768	8.889	VV	1753	49471	0.95%	0.175%
84	8.914	8.889	8.958	VV	695	10926	0.21%	0.039%
85	9.155	9.092	9.261	VV	635	16711	0.32%	0.059%
86	9.292	9.261	9.348	VV	446	8108	0.16%	0.029%
87	9.412	9.348	9.470	VV	1120	24360	0.47%	0.086%
88	9.551	9.470	9.658	VV	1847	44951	0.86%	0.159%
89	9.701	9.658	9.817	VV	414	13895	0.27%	0.049%
90	9.843	9.817	9.874	PV	257	4957	0.09%	0.018%
91	9.896	9.874	9.926	VV	247	5487	0.10%	0.019%
92	9.968	9.926	9.996	VV	389	9550	0.18%	0.034%
93	10.044	9.996	10.094	VV	660	16652	0.32%	0.059%
94	10.161	10.094	10.207	VV	53095	572298	10.95%	2.026%
95	10.223	10.207	10.271	VV	520	12466	0.24%	0.044%
96	10.293	10.271	10.377	VV	487	17163	0.33%	0.061%
97	10.398	10.377	10.428	VV	256	4921	0.09%	0.017%
98	10.464	10.428	10.528	VV	196	6984	0.13%	0.025%
99	10.551	10.528	10.608	PV	178	3899	0.07%	0.014%
100	10.638	10.608	10.703	PV	11691	121821	2.33%	0.431%
101	10.732	10.703	10.794	VV	430	8853	0.17%	0.031%

102	10.850	10.794	10.928	VV	1578	32586	0.62%	0.115%
103	10.987	10.928	11.005	VV	766	15182	0.29%	0.054%
104	11.022	11.005	11.072	VV	412	9557	0.18%	0.034%
105	11.133	11.072	11.156	VV	431	10630	0.20%	0.038%
106	11.172	11.156	11.204	VV	293	4316	0.08%	0.015%
107	11.315	11.204	11.354	VV	728	31237	0.60%	0.111%
108	11.408	11.354	11.544	VV	1833	68563	1.31%	0.243%
109	11.561	11.544	11.644	VV	406	15749	0.30%	0.056%
110	11.669	11.644	11.691	VV	706	10835	0.21%	0.038%
111	11.738	11.691	11.794	VV	560	15816	0.30%	0.056%
112	11.820	11.794	11.863	PV	692	11500	0.22%	0.041%
113	11.902	11.863	11.958	VV	438	11050	0.21%	0.039%
114	12.065	11.958	12.118	VV	479250	5227165	100.00%	18.508%
115	12.157	12.118	12.211	VV	1642	35756	0.68%	0.127%
116	12.229	12.211	12.338	VV	863	18168	0.35%	0.064%
117	12.401	12.338	12.424	VV	515	12169	0.23%	0.043%
118	12.457	12.424	12.481	VV	632	17650	0.34%	0.062%
119	12.539	12.481	12.618	VV	1826	89916	1.72%	0.318%
120	12.658	12.618	12.829	VV	30491	541080	10.35%	1.916%
121	12.845	12.829	12.947	VV	1049	54888	1.05%	0.194%
122	12.990	12.947	13.022	VV	930	25357	0.49%	0.090%
123	13.050	13.022	13.098	VV	1108	31557	0.60%	0.112%
124	13.135	13.098	13.238	VV	2369	67788	1.30%	0.240%
125	13.260	13.238	13.291	VV	371	8365	0.16%	0.030%
126	13.308	13.291	13.348	VV	297	6561	0.13%	0.023%
127	13.412	13.348	13.428	VV	644	13751	0.26%	0.049%
128	13.500	13.428	13.601	VV	349854	4128150	78.97%	14.617%
129	13.615	13.601	13.640	VV	506	8139	0.16%	0.029%
130	13.672	13.640	13.724	VV	922	25197	0.48%	0.089%
131	13.741	13.724	13.754	VV	536	7368	0.14%	0.026%
132	13.807	13.754	13.831	VV	1031	36931	0.71%	0.131%
133	13.874	13.831	13.914	VV	1317	53039	1.01%	0.188%
134	13.947	13.914	13.978	VV	3762	72069	1.38%	0.255%
135	13.998	13.978	14.038	VV	1354	37221	0.71%	0.132%
136	14.055	14.038	14.157	VV	1201	58474	1.12%	0.207%
137	14.204	14.157	14.234	VV	2862	53096	1.02%	0.188%
138	14.252	14.234	14.323	VV	1015	36673	0.70%	0.130%
139	14.381	14.323	14.446	VV	2413	76905	1.47%	0.272%
140	14.487	14.446	14.530	VV	1248	47743	0.91%	0.169%

141	14.642	14.530	14.666	VV	2453	96511	1.85%	0.342%
142	14.688	14.666	14.794	VV	2289	100103	1.92%	0.354%
143	14.817	14.794	14.871	VV	1490	58846	1.13%	0.208%
144	14.888	14.871	14.911	VV	1460	30782	0.59%	0.109%
145	14.944	14.911	15.001	VV	1739	69333	1.33%	0.245%
146	15.050	15.001	15.070	VV	1458	48034	0.92%	0.170%
147	15.105	15.070	15.181	VV	1356	80262	1.54%	0.284%
148	15.199	15.181	15.231	VV	1413	36670	0.70%	0.130%
149	15.251	15.231	15.278	VV	1251	33320	0.64%	0.118%
150	15.315	15.278	15.338	VV	2362	63294	1.21%	0.224%
151	15.355	15.338	15.377	VV	2041	40564	0.78%	0.144%
152	15.402	15.377	15.480	VV	2804	89858	1.72%	0.318%
153	15.505	15.480	15.531	VV	1158	31768	0.61%	0.112%
154	15.553	15.531	15.580	VV	1341	33132	0.63%	0.117%
155	15.615	15.580	15.644	VV	1049	39931	0.76%	0.141%
156	15.735	15.644	15.851	VV	13706	292020	5.59%	1.034%
157	15.878	15.851	15.918	VV	1686	49041	0.94%	0.174%
158	15.960	15.918	15.989	VV	1519	43883	0.84%	0.155%
159	16.006	15.989	16.037	VV	786	19241	0.37%	0.068%
160	16.061	16.037	16.082	VV	649	16019	0.31%	0.057%
161	16.112	16.082	16.128	VV	909	19886	0.38%	0.070%
162	16.150	16.128	16.174	VV	1121	22798	0.44%	0.081%
163	16.190	16.174	16.219	VV	937	17972	0.34%	0.064%
164	16.249	16.219	16.281	VV	835	20483	0.39%	0.073%
165	16.301	16.281	16.350	VV	369	13657	0.26%	0.048%
166	16.379	16.350	16.421	VV	1915	31307	0.60%	0.111%
167	16.442	16.421	16.498	VV	529	9891	0.19%	0.035%
168	16.563	16.498	16.641	VV	515	18833	0.36%	0.067%
169	16.748	16.641	16.782	PV	1733	31788	0.61%	0.113%
170	16.864	16.782	16.921	PV	3313	56376	1.08%	0.200%
171	16.945	16.921	16.988	VV	1165	18154	0.35%	0.064%
172	17.062	16.988	17.081	VV	691	18360	0.35%	0.065%
173	17.109	17.081	17.158	VV	968	24321	0.47%	0.086%
174	17.234	17.158	17.254	VV	1595	61009	1.17%	0.216%
175	17.331	17.254	17.354	VV	10390	219068	4.19%	0.776%
176	17.383	17.354	17.561	VV	17906	522230	9.99%	1.849%
177	17.573	17.561	17.644	VV	1292	41821	0.80%	0.148%
178	17.677	17.644	17.744	VV	1959	43714	0.84%	0.155%
179	17.781	17.744	17.823	VV	15969	230255	4.40%	0.815%
180	17.871	17.823	17.928	VV	739	35825	0.69%	0.127%

181	17.945	17.928	17.983	VV	634	13675	0.26%	0.048%
182	18.004	17.983	18.034	VV	309	4563	0.09%	0.016%
183	18.064	18.034	18.084	PV	297	3986	0.08%	0.014%
184	18.098	18.084	18.144	VV	177	1841	0.04%	0.007%
185	18.218	18.144	18.281	PV	28927	421678	8.07%	1.493%
186	18.308	18.281	18.371	VV	1709	32007	0.61%	0.113%
187	18.494	18.371	18.520	PV	990	32427	0.62%	0.115%
188	18.575	18.520	18.607	VV	7423	141472	2.71%	0.501%
189	18.642	18.607	18.711	VV	38044	556175	10.64%	1.969%
190	18.740	18.711	18.807	VV	1183	25144	0.48%	0.089%
191	18.906	18.807	18.931	PV	2406	59050	1.13%	0.209%
192	18.952	18.931	19.011	VV	1335	37580	0.72%	0.133%
193	19.053	19.011	19.114	VV	48921	698162	13.36%	2.472%
194	19.154	19.114	19.214	VV	1468	37347	0.71%	0.132%
195	19.308	19.214	19.335	VV	2555	63900	1.22%	0.226%
196	19.354	19.335	19.378	VV	1480	20695	0.40%	0.073%
197	19.451	19.378	19.511	VV	45569	799793	15.30%	2.832%
198	19.547	19.511	19.601	VV	1309	38744	0.74%	0.137%
199	19.648	19.601	19.663	VV	1449	35942	0.69%	0.127%
200	19.700	19.663	19.724	VV	4943	104468	2.00%	0.370%
201	19.744	19.724	19.778	VV	3466	75922	1.45%	0.269%
202	19.837	19.778	19.918	VV	54481	939195	17.97%	3.325%
203	19.936	19.918	19.968	VV	1555	33569	0.64%	0.119%
204	20.024	19.968	20.045	VV	1938	59172	1.13%	0.210%
205	20.076	20.045	20.100	VV	4344	88149	1.69%	0.312%
206	20.123	20.100	20.164	VV	3534	73967	1.42%	0.262%
207	20.212	20.164	20.291	VV	41041	696093	13.32%	2.465%
208	20.312	20.291	20.341	VV	2628	65898	1.26%	0.233%
209	20.393	20.341	20.413	VV	2779	105488	2.02%	0.374%
210	20.444	20.413	20.469	VV	5206	121592	2.33%	0.431%
211	20.489	20.469	20.521	VV	4310	87755	1.68%	0.311%
212	20.577	20.521	20.621	VV	42080	725507	13.88%	2.569%
213	20.638	20.621	20.684	VV	2928	88808	1.70%	0.314%
214	20.742	20.684	20.777	VV	4474	166248	3.18%	0.589%
215	20.804	20.777	20.830	VV	4257	114113	2.18%	0.404%
216	20.851	20.830	20.884	VV	4169	93082	1.78%	0.330%
217	20.942	20.884	20.981	VV	28452	589602	11.28%	2.088%
218	21.018	20.981	21.088	VV	8409	385291	7.37%	1.364%
219	21.125	21.088	21.166	VV	3881	149810	2.87%	0.530%

220	21.197	21.166	21.221	VV	3711	105381	2.02%	0.373%
221	21.252	21.221	21.291	VV	4208	140482	2.69%	0.497%
222	21.349	21.291	21.433	VV	24789	604621	11.57%	2.141%
223	21.457	21.433	21.486	VV	1549	38354	0.73%	0.136%
224	21.556	21.486	21.594	VV	1852	93894	1.80%	0.332%
225	21.630	21.594	21.658	VV	1734	54987	1.05%	0.195%
226	21.697	21.658	21.757	VV	2169	77094	1.47%	0.273%
227	21.808	21.757	21.917	VV	10601	270320	5.17%	0.957%
228	21.945	21.917	21.971	VV	322	6668	0.13%	0.024%
229	22.060	21.971	22.081	PV	551	25093	0.48%	0.089%
230	22.131	22.081	22.178	VV	919	26155	0.50%	0.093%

Sum of corrected areas: 28242689

Aliphatic EPH 062725.M Sat Jun 28 02:36:31 2025

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-4	SDG No.:	Q2431
Lab Sample ID:	Q2431-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.6
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
06/27/25 08:30	06/27/25 19:25	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.75		1	1.39	2.36	mg/kg	FE054621.D
Aliphatic C9-C28	Aliphatic C9-C28	6.21		1	1.07	4.73	mg/kg	FE054621.D
Total AliphaticEPH	Total AliphaticEPH	9.96			2.46	7.09	mg/kg	
Total EPH	Total EPH	9.96			2.46	7.09	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-4	SDG No.:	Q2431
Lab Sample ID:	Q2431-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.6
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
FE054621.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.21		1.07	4.73	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.75		1.39	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.2		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.4		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2431-04	Acq On:	27 Jun 2025 19:25
Client Sample ID:	S-4	Operator:	YP\AJ
Data file:	FE054621.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	3.317	6.943	3869525	28.441	300	ug/ml
Aliphatic C12-C16	6.944	10.391	1049050	7.463	200	ug/ml
Aliphatic C16-C21	10.392	13.764	1776999	12.307	300	ug/ml
Aliphatic C21-C28	13.765	17.429	4418936	30.549	400	ug/ml
Aliphatic C28-C40	17.430	22.428	6595023	47.567	600	ug/ml
Aliphatic EPH	3.317	22.428	17709533	126.326		ug/ml
ortho-Terphenyl (SURR)	12.066	12.066	5265543	32.42		ug/ml
1-chlorooctadecane (SURR)	13.501	13.501	4071607	32.24		ug/ml
Aliphatic C9-C28	3.317	17.429	11114510	78.76	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054621.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 19:25
 Operator : YP\AJ
 Sample : Q2431-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 S-4

Integration File: autoint1.e
 Quant Time: Jun 28 01:47:47 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)	12.066	5265543	32.425 ug/ml
Spiked Amount 50.000		Recovery =	64.85%
12) S 1-chlorooctadecane (S...	13.501	4071607	32.239 ug/ml
Spiked Amount 50.000		Recovery =	64.48%

Target Compounds

(f)=RT Delta > 1/2 Window

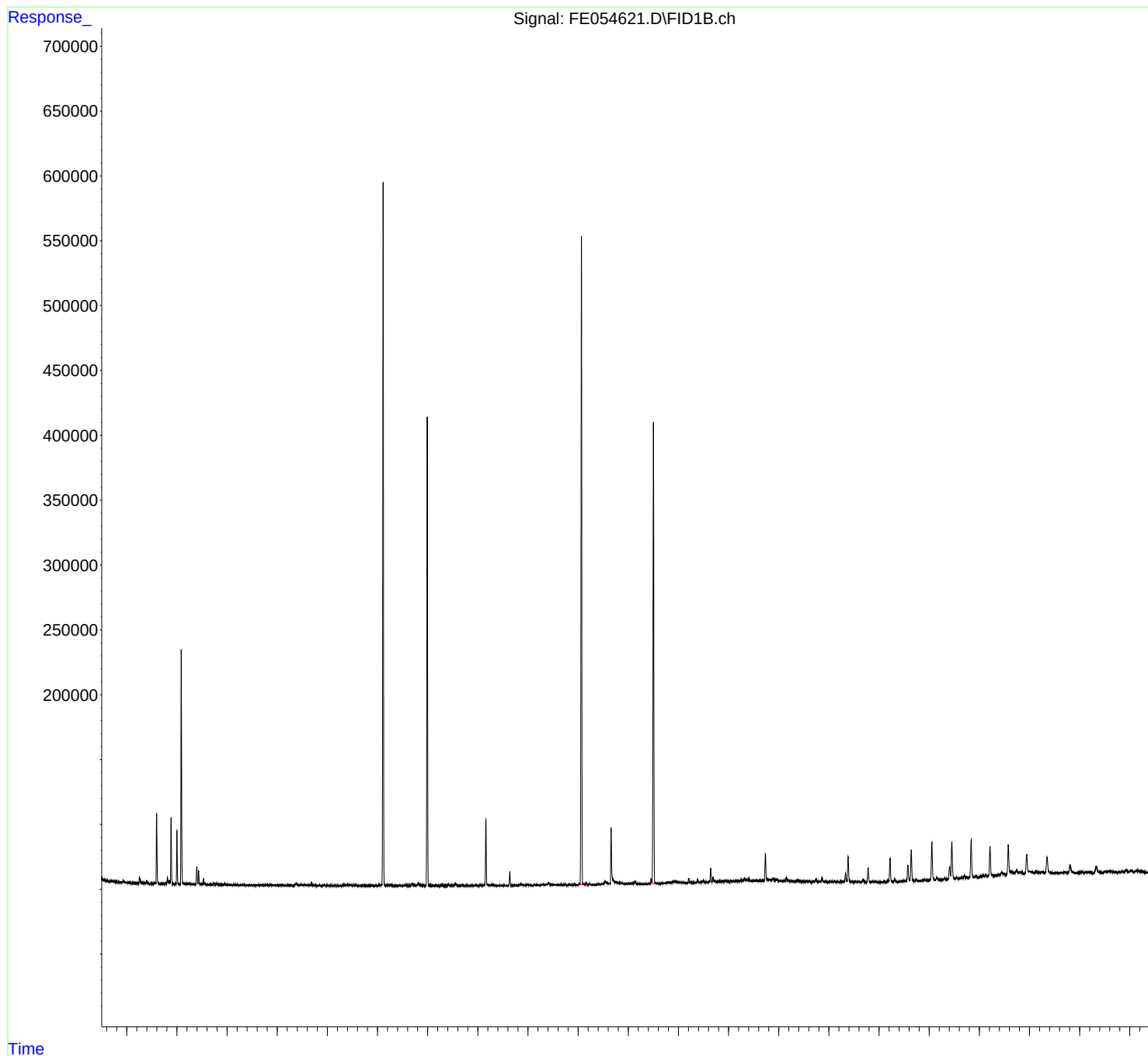
(m)=manual int.

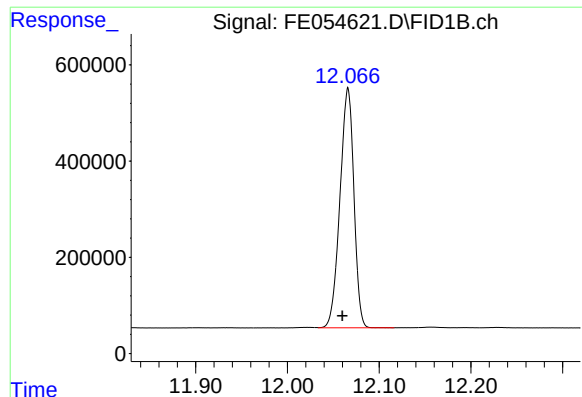
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054621.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 19:25
Operator : YP\AJ
Sample : Q2431-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-4

Integration File: autoint1.e
Quant Time: Jun 28 01:47:47 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)

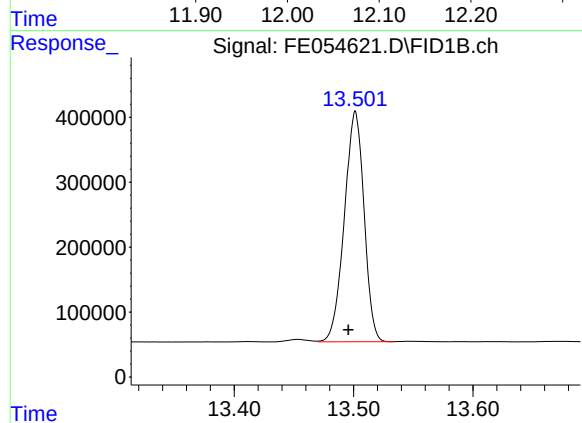
R.T.: 12.066 min
Delta R.T.: 0.006 min
Response: 5265543
Conc: 32.42 ug/ml

Instrument :

FID_E

ClientSampleId :

S-4



#12 1-chlorooctadecane (SURR)

R.T.: 13.501 min
Delta R.T.: 0.006 min
Response: 4071607
Conc: 32.24 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\

Data File : FE054621.D

Signal(s) : FID1B.ch

Acq On : 27 Jun 2025 19:25

Sample : Q2431-04

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	2.833	2.805	2.866	BV	219	2448	0.05%	0.009%
2	2.880	2.866	2.901	PV	423	4295	0.08%	0.016%
3	2.929	2.901	3.018	VV	1903	37017	0.70%	0.136%
4	3.030	3.018	3.100	VV	257	6164	0.12%	0.023%
5	3.121	3.100	3.138	PV	262	2277	0.04%	0.008%
6	3.157	3.138	3.225	VV	234	5546	0.11%	0.020%
7	3.253	3.225	3.330	PV	4508	71836	1.36%	0.264%
8	3.350	3.330	3.378	VV	586	11650	0.22%	0.043%
9	3.399	3.378	3.455	VV	2376	29163	0.55%	0.107%
10	3.472	3.455	3.527	VV	135	3127	0.06%	0.011%
11	3.559	3.527	3.573	VV	562	8732	0.17%	0.032%
12	3.596	3.573	3.697	VV	54576	519088	9.83%	1.907%
13	3.730	3.697	3.765	VV	347	8658	0.16%	0.032%
14	3.777	3.765	3.788	VV	353	3642	0.07%	0.013%
15	3.810	3.788	3.837	VV	4740	60593	1.15%	0.223%
16	3.852	3.837	3.864	VV	3024	31810	0.60%	0.117%
17	3.884	3.864	3.941	VV	50580	475896	9.01%	1.749%
18	3.948	3.941	3.961	VV	121	1217	0.02%	0.004%
19	4.001	3.961	4.045	VV	40930	367048	6.95%	1.349%
20	4.054	4.045	4.061	PV	85	483	0.01%	0.002%
21	4.087	4.061	4.175	VV	176906	1646058	31.17%	6.048%
22	4.186	4.175	4.202	VV	579	8312	0.16%	0.031%
23	4.216	4.202	4.307	VV	685	21443	0.41%	0.079%

24	4.327	4.307	4.371	VV	307	6812	0.13%	0.025%
25	4.397	4.371	4.418	VV	13483	162007	3.07%	0.595%
26	4.433	4.418	4.471	VV	10055	100676	1.91%	0.370%
27	4.473	4.471	4.483	VV	303	1758	0.03%	0.006%
28	4.531	4.483	4.548	VV	4594	50172	0.95%	0.184%
29	4.557	4.548	4.637	VV	1112	17108	0.32%	0.063%
30	4.671	4.637	4.705	VV	385	8634	0.16%	0.032%
31	4.740	4.705	4.770	VV	1290	22927	0.43%	0.084%
32	4.793	4.770	4.836	VV	1040	20022	0.38%	0.074%
33	4.855	4.836	4.874	VV	389	6102	0.12%	0.022%
34	4.895	4.874	4.929	VV	460	9223	0.17%	0.034%
35	4.952	4.929	4.972	VV	797	10584	0.20%	0.039%
36	4.988	4.972	5.044	VV	307	9094	0.17%	0.033%
37	5.056	5.044	5.125	VV	288	10300	0.20%	0.038%
38	5.128	5.125	5.163	VV	274	3651	0.07%	0.013%
39	5.170	5.163	5.222	VV	170	3262	0.06%	0.012%
40	5.237	5.222	5.251	VV	151	1572	0.03%	0.006%
41	5.260	5.251	5.275	VV	148	1298	0.02%	0.005%
42	5.311	5.275	5.335	VV	483	7059	0.13%	0.026%
43	5.356	5.335	5.395	VV	263	5245	0.10%	0.019%
44	5.411	5.395	5.455	VV	159	2527	0.05%	0.009%
45	5.484	5.455	5.555	PV	198	4641	0.09%	0.017%
46	5.572	5.555	5.601	VV	194	2346	0.04%	0.009%
47	5.625	5.601	5.662	VV	617	7919	0.15%	0.029%
48	5.676	5.662	5.694	VV	113	1263	0.02%	0.005%
49	5.703	5.694	5.722	VV	128	939	0.02%	0.003%
50	5.728	5.722	5.769	VV	78	1763	0.03%	0.006%
51	5.776	5.769	5.796	VV	152	1327	0.03%	0.005%
52	5.811	5.796	5.839	PV	193	2547	0.05%	0.009%
53	5.844	5.839	5.853	VV	76	531	0.01%	0.002%
54	5.868	5.853	5.895	VV	424	5332	0.10%	0.020%
55	5.939	5.895	5.971	VV	417	8176	0.15%	0.030%
56	5.994	5.971	6.037	VV	353	7141	0.14%	0.026%
57	6.079	6.037	6.091	VV	238	6275	0.12%	0.023%
58	6.096	6.091	6.144	VV	183	4719	0.09%	0.017%
59	6.159	6.144	6.241	VV	132	5651	0.11%	0.021%
60	6.252	6.241	6.289	VV	219	3811	0.07%	0.014%
61	6.330	6.289	6.344	VV	384	7162	0.14%	0.026%
62	6.383	6.344	6.424	VV	1671	42006	0.80%	0.154%

63	6.437	6.424	6.488	VV	445	14388	0.27%	0.053%
64	6.495	6.488	6.502	VV	419	3222	0.06%	0.012%
65	6.519	6.502	6.544	VV	545	11095	0.21%	0.041%
66	6.561	6.544	6.585	VV	531	10219	0.19%	0.038%
67	6.613	6.585	6.627	VV	310	6478	0.12%	0.024%
68	6.639	6.627	6.664	VV	308	5564	0.11%	0.020%
69	6.686	6.664	6.778	VV	2322	32265	0.61%	0.119%
70	6.787	6.778	6.811	VV	139	1552	0.03%	0.006%
71	6.831	6.811	6.869	VV	254	3840	0.07%	0.014%
72	6.933	6.869	6.973	VV	794	10400	0.20%	0.038%
73	6.987	6.973	7.015	PV	78	776	0.01%	0.003%
74	7.092	7.015	7.127	PV	168	4163	0.08%	0.015%
75	7.140	7.127	7.168	VV	179	2589	0.05%	0.010%
76	7.181	7.168	7.264	VV	84	2285	0.04%	0.008%
77	7.322	7.264	7.342	VV	872	12050	0.23%	0.044%
78	7.394	7.342	7.412	VV	805	22645	0.43%	0.083%
79	7.422	7.412	7.522	VV	708	26503	0.50%	0.097%
80	7.551	7.522	7.611	VV	666	17926	0.34%	0.066%
81	7.663	7.611	7.718	VV	406	11060	0.21%	0.041%
82	7.723	7.718	7.738	VV	186	1749	0.03%	0.006%
83	7.744	7.738	7.774	VV	223	3094	0.06%	0.011%
84	7.797	7.774	7.825	VV	187	3868	0.07%	0.014%
85	7.830	7.825	7.848	VV	116	1075	0.02%	0.004%
86	7.865	7.848	7.893	VV	135	1715	0.03%	0.006%
87	7.939	7.893	7.975	PV	161	5129	0.10%	0.019%
88	7.980	7.975	8.001	VV	167	1431	0.03%	0.005%
89	8.026	8.001	8.053	VV	1054	14353	0.27%	0.053%
90	8.228	8.187	8.242	VV	638	15559	0.29%	0.057%
91	8.258	8.242	8.275	VV	968	11383	0.22%	0.042%
92	8.285	8.275	8.325	VV	406	5685	0.11%	0.021%
93	8.342	8.325	8.365	VV	111	1957	0.04%	0.007%
94	8.384	8.365	8.443	VV	190	6242	0.12%	0.023%
95	8.458	8.443	8.468	VV	171	1525	0.03%	0.006%
96	8.491	8.468	8.502	VV	187	2875	0.05%	0.011%
97	8.571	8.502	8.607	VV	537	17678	0.33%	0.065%
98	8.645	8.607	8.657	VV	430	9044	0.17%	0.033%
99	8.688	8.657	8.725	VV	2098	40356	0.76%	0.148%
100	8.739	8.725	8.775	VV	595	12911	0.24%	0.047%
101	8.817	8.775	8.871	VV	1932	48834	0.92%	0.179%

102	8.873	8.871	8.895	VV	376	3901	0.07%	0.014%
103	8.913	8.895	8.955	VV	821	12786	0.24%	0.047%
104	9.119	9.104	9.133	VV	268	3881	0.07%	0.014%
105	9.155	9.133	9.178	VV	681	9918	0.19%	0.036%
106	9.189	9.178	9.225	VV	237	4615	0.09%	0.017%
107	9.240	9.225	9.270	VV	136	2207	0.04%	0.008%
108	9.291	9.270	9.348	PV	777	12672	0.24%	0.047%
109	9.412	9.348	9.453	VV	1144	25581	0.48%	0.094%
110	9.509	9.453	9.523	VV	305	7480	0.14%	0.027%
111	9.552	9.523	9.635	VV	1914	39414	0.75%	0.145%
112	9.698	9.635	9.741	VV	401	12907	0.24%	0.047%
113	9.748	9.741	9.785	VV	233	2454	0.05%	0.009%
114	9.841	9.785	9.871	VV	263	6804	0.13%	0.025%
115	9.891	9.871	9.928	VV	350	6746	0.13%	0.025%
116	9.974	9.928	9.996	VV	373	9429	0.18%	0.035%
117	10.043	9.996	10.101	VV	657	19472	0.37%	0.072%
118	10.161	10.101	10.211	VV	50841	534688	10.12%	1.965%
119	10.227	10.211	10.264	VV	503	9339	0.18%	0.034%
120	10.294	10.264	10.344	VV	546	14230	0.27%	0.052%
121	10.363	10.344	10.385	VV	264	4066	0.08%	0.015%
122	10.400	10.385	10.425	VV	201	2786	0.05%	0.010%
123	10.456	10.425	10.498	VV	176	4775	0.09%	0.018%
124	10.503	10.498	10.540	VV	111	1435	0.03%	0.005%
125	10.557	10.540	10.600	VV	184	2855	0.05%	0.010%
126	10.638	10.600	10.668	VV	10618	114360	2.17%	0.420%
127	10.678	10.668	10.710	VV	181	3571	0.07%	0.013%
128	10.731	10.710	10.768	VV	488	6840	0.13%	0.025%
129	10.778	10.768	10.791	VV	66	856	0.02%	0.003%
130	10.851	10.791	10.888	VV	1619	27922	0.53%	0.103%
131	10.900	10.888	10.938	VV	452	8354	0.16%	0.031%
132	10.987	10.938	11.005	VV	921	15728	0.30%	0.058%
133	11.020	11.005	11.080	VV	462	10937	0.21%	0.040%
134	11.129	11.080	11.153	PV	751	10350	0.20%	0.038%
135	11.173	11.153	11.201	VV	445	8542	0.16%	0.031%
136	11.228	11.201	11.251	VV	273	6881	0.13%	0.025%
137	11.288	11.251	11.302	VV	780	14645	0.28%	0.054%
138	11.317	11.302	11.339	VV	787	12873	0.24%	0.047%
139	11.408	11.339	11.451	VV	1984	60734	1.15%	0.223%
140	11.458	11.451	11.518	VV	671	19143	0.36%	0.070%

141	11.526	11.518	11.531	VV	439	3156	0.06%	0.012%
142	11.539	11.531	11.548	VV	491	4280	0.08%	0.016%
143	11.556	11.548	11.645	VV	523	16587	0.31%	0.061%
144	11.668	11.645	11.693	VV	691	11494	0.22%	0.042%
145	11.712	11.693	11.728	VV	554	7822	0.15%	0.029%
146	11.738	11.728	11.790	VV	496	7554	0.14%	0.028%
147	11.821	11.790	11.865	VV	978	16894	0.32%	0.062%
148	11.902	11.865	11.918	VV	493	8813	0.17%	0.032%
149	11.935	11.918	11.957	VV	441	7402	0.14%	0.027%
150	11.981	11.957	11.990	VV	281	4252	0.08%	0.016%
151	12.022	11.990	12.035	VV	1214	18300	0.35%	0.067%
152	12.066	12.035	12.117	VV	492507	5281043	100.00%	19.404%
153	12.157	12.117	12.185	VV	1641	32529	0.62%	0.120%
154	12.194	12.185	12.210	VV	648	7531	0.14%	0.028%
155	12.229	12.210	12.269	VV	1077	16087	0.30%	0.059%
156	12.289	12.269	12.308	VV	202	3230	0.06%	0.012%
157	12.325	12.308	12.348	VV	126	2290	0.04%	0.008%
158	12.353	12.348	12.361	VV	193	1023	0.02%	0.004%
159	12.399	12.361	12.423	VV	708	16347	0.31%	0.060%
160	12.460	12.423	12.478	VV	749	20460	0.39%	0.075%
161	12.531	12.478	12.615	VV	2635	117856	2.23%	0.433%
162	12.658	12.615	12.730	VV	43558	598969	11.34%	2.201%
163	12.743	12.730	12.763	VV	2431	42217	0.80%	0.155%
164	12.774	12.763	12.835	VV	1927	62267	1.18%	0.229%
165	12.860	12.835	12.875	VV	1256	28139	0.53%	0.103%
166	12.885	12.875	12.910	VV	1094	19737	0.37%	0.073%
167	12.925	12.910	12.951	VV	931	19187	0.36%	0.070%
168	12.990	12.951	13.027	VV	1064	30992	0.59%	0.114%
169	13.050	13.027	13.068	VV	1514	22385	0.42%	0.082%
170	13.083	13.068	13.100	VV	1290	17865	0.34%	0.066%
171	13.137	13.100	13.163	VV	2525	54516	1.03%	0.200%
172	13.179	13.163	13.234	VV	611	19642	0.37%	0.072%
173	13.252	13.234	13.343	VV	560	26736	0.51%	0.098%
174	13.378	13.343	13.395	VV	477	10553	0.20%	0.039%
175	13.412	13.395	13.429	VV	896	12473	0.24%	0.046%
176	13.453	13.429	13.469	VV	4276	54510	1.03%	0.200%
177	13.501	13.469	13.533	VV	354698	4096320	77.57%	15.051%
178	13.548	13.533	13.581	VV	1289	25665	0.49%	0.094%
179	13.589	13.581	13.602	VV	668	7697	0.15%	0.028%
180	13.614	13.602	13.637	VV	694	12496	0.24%	0.046%

181	13.675	13.637	13.698	VV	1100	27298	0.52%	0.100%
182	13.709	13.698	13.718	VV	709	7617	0.14%	0.028%
183	13.745	13.718	13.755	VV	1026	18544	0.35%	0.068%
184	13.792	13.755	13.855	VV	1630	80674	1.53%	0.296%
185	13.871	13.855	13.884	VV	1914	29201	0.55%	0.107%
186	13.916	13.884	13.931	VV	2205	53359	1.01%	0.196%
187	13.947	13.931	13.977	VV	2339	52764	1.00%	0.194%
188	13.999	13.977	14.030	VV	1703	45503	0.86%	0.167%
189	14.055	14.030	14.094	VV	1503	48081	0.91%	0.177%
190	14.118	14.094	14.164	VV	1171	42957	0.81%	0.158%
191	14.204	14.164	14.229	VV	4362	76262	1.44%	0.280%
192	14.252	14.229	14.291	VV	1414	41750	0.79%	0.153%
193	14.298	14.291	14.326	VV	1077	20881	0.40%	0.077%
194	14.343	14.326	14.353	VV	1162	17315	0.33%	0.064%
195	14.382	14.353	14.408	VV	3249	59445	1.13%	0.218%
196	14.426	14.408	14.448	VV	1291	28373	0.54%	0.104%
197	14.468	14.448	14.482	VV	2173	35054	0.66%	0.129%
198	14.501	14.482	14.545	VV	2644	64409	1.22%	0.237%
199	14.552	14.545	14.569	VV	1264	17622	0.33%	0.065%
200	14.643	14.569	14.666	VV	11907	203380	3.85%	0.747%
201	14.686	14.666	14.710	VV	4880	81350	1.54%	0.299%
202	14.724	14.710	14.741	VV	2034	35383	0.67%	0.130%
203	14.752	14.741	14.772	VV	1688	29119	0.55%	0.107%
204	14.816	14.772	14.862	VV	2115	99733	1.89%	0.366%
205	14.885	14.862	14.906	VV	2270	51236	0.97%	0.188%
206	14.943	14.906	15.002	VV	2431	111954	2.12%	0.411%
207	15.046	15.002	15.066	VV	2399	73739	1.40%	0.271%
208	15.107	15.066	15.121	VV	2166	66589	1.26%	0.245%
209	15.131	15.121	15.148	VV	2224	32717	0.62%	0.120%
210	15.162	15.148	15.175	VV	2093	31309	0.59%	0.115%
211	15.197	15.175	15.223	VV	2287	60824	1.15%	0.223%
212	15.245	15.223	15.273	VV	3189	72160	1.37%	0.265%
213	15.316	15.273	15.336	VV	3761	108267	2.05%	0.398%
214	15.354	15.336	15.384	VV	3095	82501	1.56%	0.303%
215	15.403	15.384	15.435	VV	4036	88709	1.68%	0.326%
216	15.454	15.435	15.481	VV	2200	58240	1.10%	0.214%
217	15.501	15.481	15.523	VV	2137	51114	0.97%	0.188%
218	15.551	15.523	15.594	VV	2295	90041	1.70%	0.331%
219	15.617	15.594	15.638	VV	2249	55660	1.05%	0.205%

220	15.734	15.638	15.763	VV	22288	418482	7.92%	1.538%
221	15.779	15.763	15.799	VV	3153	63769	1.21%	0.234%
222	15.815	15.799	15.848	VV	3142	78564	1.49%	0.289%
223	15.878	15.848	15.915	VV	3256	105766	2.00%	0.389%
224	15.960	15.915	15.990	VV	3380	113963	2.16%	0.419%
225	16.009	15.990	16.045	VV	2188	63970	1.21%	0.235%
226	16.058	16.045	16.088	VV	1930	47166	0.89%	0.173%
227	16.112	16.088	16.125	VV	2004	41935	0.79%	0.154%
228	16.150	16.125	16.171	VV	4316	78064	1.48%	0.287%
229	16.190	16.171	16.226	VV	2591	67586	1.28%	0.248%
230	16.249	16.226	16.288	VV	2137	62661	1.19%	0.230%
231	16.299	16.288	16.327	VV	1468	33714	0.64%	0.124%
232	16.341	16.327	16.355	VV	1541	23334	0.44%	0.086%
233	16.380	16.355	16.427	VV	2856	77065	1.46%	0.283%
234	16.441	16.427	16.461	VV	1535	27634	0.52%	0.102%
235	16.478	16.461	16.496	VV	1225	24825	0.47%	0.091%
236	16.517	16.496	16.534	VV	1344	27974	0.53%	0.103%
237	16.565	16.534	16.642	VV	1577	75753	1.43%	0.278%
238	16.748	16.642	16.787	VV	3143	112997	2.14%	0.415%
239	16.804	16.787	16.837	VV	1006	27407	0.52%	0.101%
240	16.864	16.837	16.895	VV	3517	62633	1.19%	0.230%
241	16.904	16.895	16.921	VV	906	12606	0.24%	0.046%
242	16.944	16.921	16.985	VV	1298	31112	0.59%	0.114%
243	17.003	16.985	17.038	VV	864	23448	0.44%	0.086%
244	17.062	17.038	17.084	VV	1237	22117	0.42%	0.081%
245	17.108	17.084	17.160	VV	1392	32554	0.62%	0.120%
246	17.182	17.160	17.203	VV	930	15987	0.30%	0.059%
247	17.232	17.203	17.268	VV	970	26777	0.51%	0.098%
248	17.296	17.268	17.305	VV	877	16720	0.32%	0.061%
249	17.331	17.305	17.355	VV	6689	99823	1.89%	0.367%
250	17.383	17.355	17.446	VV	19864	304855	5.77%	1.120%
251	17.461	17.446	17.508	VV	661	18914	0.36%	0.069%
252	17.531	17.508	17.556	VV	976	17371	0.33%	0.064%
253	17.575	17.556	17.637	VV	679	18031	0.34%	0.066%
254	17.680	17.637	17.738	VV	2513	48964	0.93%	0.180%
255	17.782	17.738	17.840	VV	11193	164635	3.12%	0.605%
256	17.869	17.840	17.901	VV	782	17340	0.33%	0.064%
257	17.913	17.901	17.931	VV	503	7778	0.15%	0.029%
258	17.948	17.931	17.983	VV	412	8232	0.16%	0.030%

259	18.004	17.983	18.034	VV	316	4671	0.09%	0.017%
260	18.065	18.034	18.080	PV	255	3570	0.07%	0.013%
261	18.100	18.080	18.128	VV	435	6045	0.11%	0.022%
262	18.174	18.128	18.191	PV	1208	19812	0.38%	0.073%
263	18.219	18.191	18.255	VV	18375	261345	4.95%	0.960%
264	18.264	18.255	18.283	VV	624	7995	0.15%	0.029%
265	18.309	18.283	18.361	VV	2454	39879	0.76%	0.147%
266	18.456	18.361	18.476	PV	623	16294	0.31%	0.060%
267	18.495	18.476	18.523	VV	659	11030	0.21%	0.041%
268	18.575	18.523	18.615	PV	12656	208434	3.95%	0.766%
269	18.642	18.615	18.712	VV	23839	346486	6.56%	1.273%
270	18.739	18.712	18.825	VV	1606	32846	0.62%	0.121%
271	18.854	18.825	18.875	PV	543	10048	0.19%	0.037%
272	18.906	18.875	18.932	VV	1218	21801	0.41%	0.080%
273	18.952	18.932	18.975	VV	636	9473	0.18%	0.035%
274	19.053	18.975	19.118	VV	29102	451463	8.55%	1.659%
275	19.154	19.118	19.237	VV	2220	55415	1.05%	0.204%
276	19.268	19.237	19.278	VV	165	2669	0.05%	0.010%
277	19.309	19.278	19.335	VV	1486	23413	0.44%	0.086%
278	19.354	19.335	19.372	VV	870	11615	0.22%	0.043%
279	19.406	19.372	19.425	VV	9470	152172	2.88%	0.559%
280	19.451	19.425	19.514	VV	29125	471156	8.92%	1.731%
281	19.548	19.514	19.600	VV	1483	36335	0.69%	0.134%
282	19.649	19.600	19.668	VV	1279	33336	0.63%	0.122%
283	19.699	19.668	19.723	VV	2593	46788	0.89%	0.172%
284	19.746	19.723	19.782	VV	1620	34119	0.65%	0.125%
285	19.837	19.782	19.892	VV	29874	481463	9.12%	1.769%
286	19.939	19.892	19.976	VV	1927	53467	1.01%	0.196%
287	20.020	19.976	20.047	VV	1409	38980	0.74%	0.143%
288	20.077	20.047	20.101	VV	2482	52564	1.00%	0.193%
289	20.123	20.101	20.158	VV	2460	55668	1.05%	0.205%
290	20.212	20.158	20.286	VV	23520	440529	8.34%	1.619%
291	20.312	20.286	20.340	VV	2050	47469	0.90%	0.174%
292	20.397	20.340	20.413	VV	1960	65865	1.25%	0.242%
293	20.443	20.413	20.472	VV	3626	97012	1.84%	0.356%
294	20.489	20.472	20.528	VV	2911	69759	1.32%	0.256%
295	20.577	20.528	20.613	VV	24806	451464	8.55%	1.659%
296	20.633	20.613	20.705	VV	3841	173830	3.29%	0.639%
297	20.742	20.705	20.778	VV	4809	151066	2.86%	0.555%

298	20.807	20.778	20.834	VV	3236	96293	1.82%	0.354%
299	20.854	20.834	20.885	VV	3181	74315	1.41%	0.273%
300	20.944	20.885	20.984	VV	16193	372390	7.05%	1.368%
301	20.995	20.984	21.078	VV	3433	156654	2.97%	0.576%
302	21.131	21.078	21.168	VV	3062	131380	2.49%	0.483%
303	21.197	21.168	21.221	VV	2352	64680	1.22%	0.238%
304	21.254	21.221	21.305	VV	2613	98606	1.87%	0.362%
305	21.350	21.305	21.432	VV	13124	342110	6.48%	1.257%
306	21.461	21.432	21.491	VV	1332	40461	0.77%	0.149%
307	21.561	21.491	21.594	VV	1237	66870	1.27%	0.246%
308	21.633	21.594	21.653	VV	1156	35467	0.67%	0.130%
309	21.705	21.653	21.761	VV	1553	70177	1.33%	0.258%
310	21.807	21.761	21.916	VV	6745	189565	3.59%	0.697%
311	21.952	21.916	21.968	VV	481	11266	0.21%	0.041%
312	22.020	21.968	22.038	VV	612	19236	0.36%	0.071%
313	22.060	22.038	22.089	VV	615	13775	0.26%	0.051%
314	22.131	22.089	22.168	VV	513	13167	0.25%	0.048%
Sum of corrected areas:					27216486			

Aliphatic EPH 062725.M Sat Jun 28 02:36:51 2025

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-5	SDG No.:	Q2431
Lab Sample ID:	Q2431-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83
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
06/27/25 08:30	06/30/25 13:01	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.67		1	1.42	2.41	mg/kg FC069328.D
Aliphatic C9-C28	Aliphatic C9-C28	5.69		1	1.09	4.80	mg/kg FC069328.D
Total AliphaticEPH	Total AliphaticEPH	11.4			2.51	7.21	mg/kg
Total EPH	Total EPH	11.4			2.51	7.21	mg/kg

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-5	SDG No.:	Q2431
Lab Sample ID:	Q2431-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83
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
FC069328.D	1	06/27/25	06/30/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.69		1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.67		1.42	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.1		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.1		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2431-05	Acq On:	30 Jun 2025 13:01
Client Sample ID:	S-5	Operator:	YP/AJ
Data file:	FC069328.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	3.308	6.605	3880361	26.455	300	ug/ml
Aliphatic C12-C16	6.606	10.009	935373	5.875	200	ug/ml
Aliphatic C16-C21	10.010	13.379	2113640	13.686	300	ug/ml
Aliphatic C21-C28	13.380	17.046	3343201	24.956	400	ug/ml
Aliphatic C28-C40	17.047	22.025	6514751	70.717	600	ug/ml
Aliphatic EPH	3.308	22.025	16787326	141.688		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	4673415	27.05		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	3545638	27.14		ug/ml
Aliphatic C9-C28	3.308	17.046	10272575	70.972	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
 Data File : FC069328.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jun 2025 13:01
 Operator : YP/AJ
 Sample : Q2431-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 S-5

Integration File: autoint1.e
 Quant Time: Jul 01 05:04:10 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	4673415	27.052 ug/ml
Spiked Amount 50.000		Recovery =	54.10%
12) S 1-chlorooctadecane (S...	13.114	3545638	27.140 ug/ml
Spiked Amount 50.000		Recovery =	54.28%

Target Compounds

(f)=RT Delta > 1/2 Window

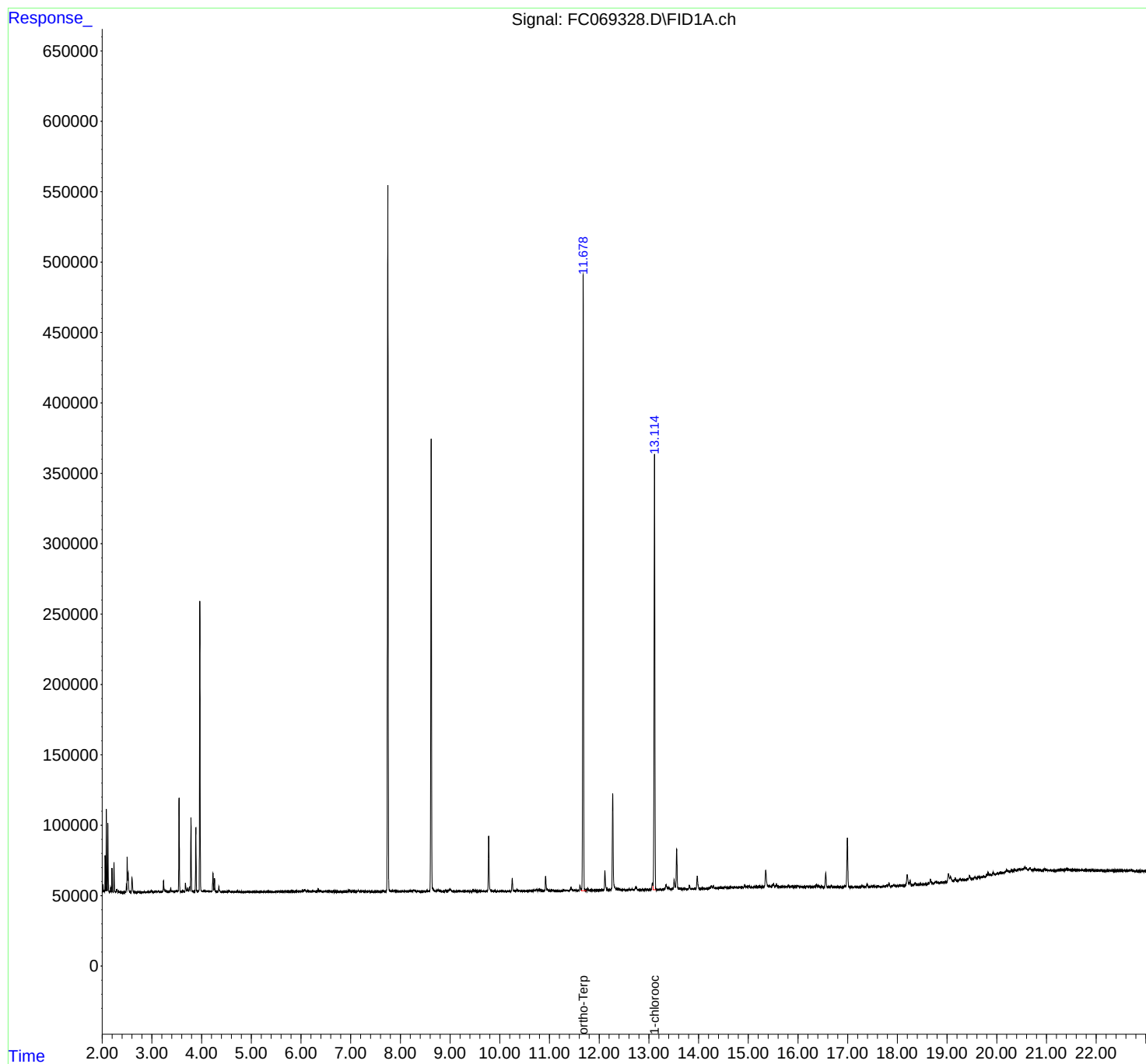
(m)=manual int.

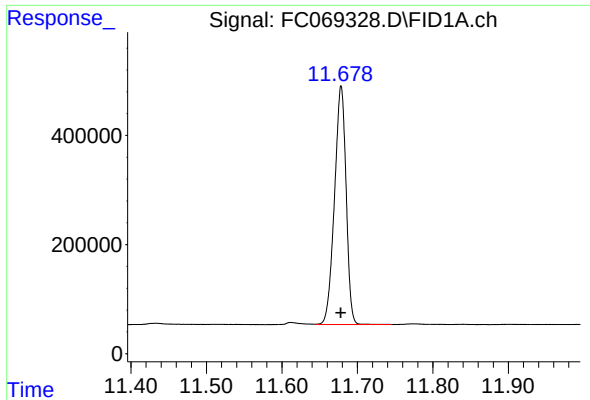
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
Data File : FC069328.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 13:01
Operator : YP/AJ
Sample : Q2431-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
S-5

Integration File: autoint1.e
Quant Time: Jul 01 05:04:10 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

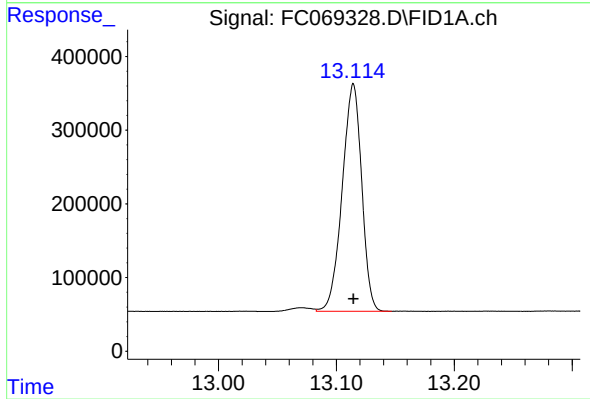




#9 ortho-Terphenyl (SURR)

R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 4673415
Conc: 27.05 ug/ml

Instrument :
FID_C
ClientSampleId :
S-5



#12 1-chlorooctadecane (SURR)

R.T.: 13.114 min
Delta R.T.: 0.000 min
Response: 3545638
Conc: 27.14 ug/ml



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

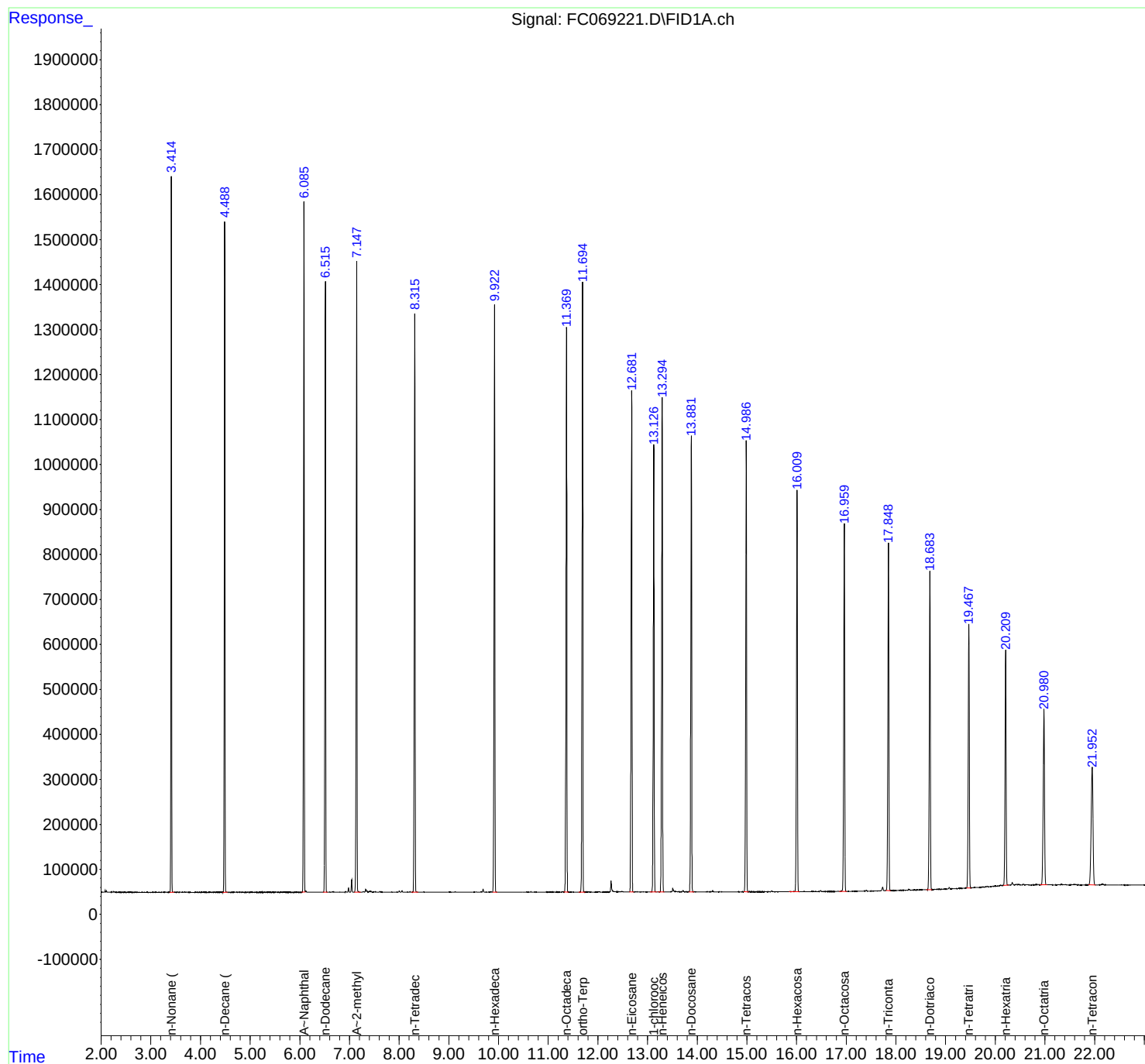
(m)=manual int.

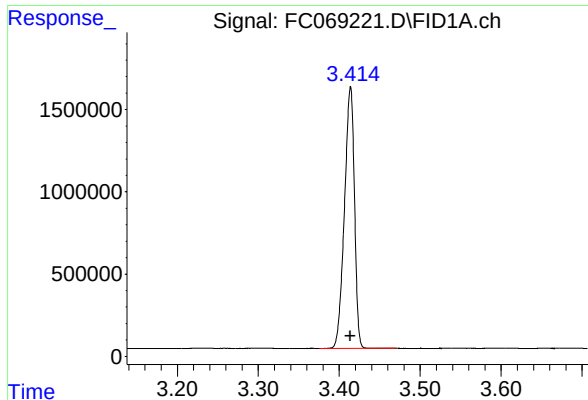
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069221.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 11:17
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

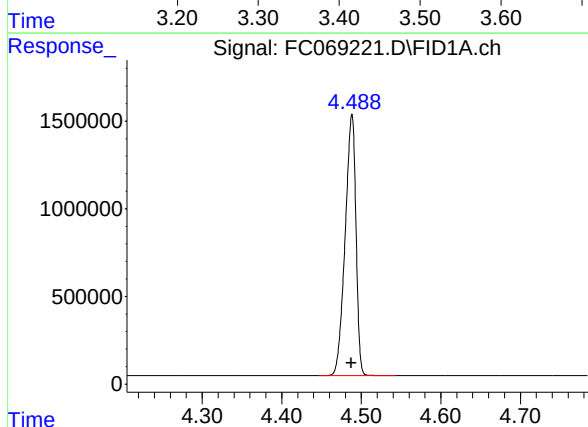




#1 n-Nonane (C9)

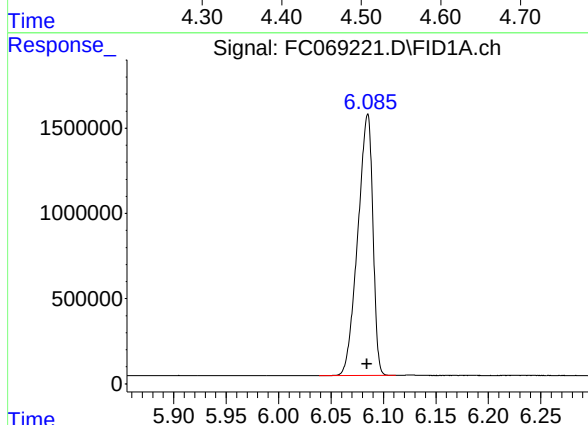
R.T.: 3.414 min
Delta R.T.: 0.000 min
Response: 13645652
Conc: 99.31 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



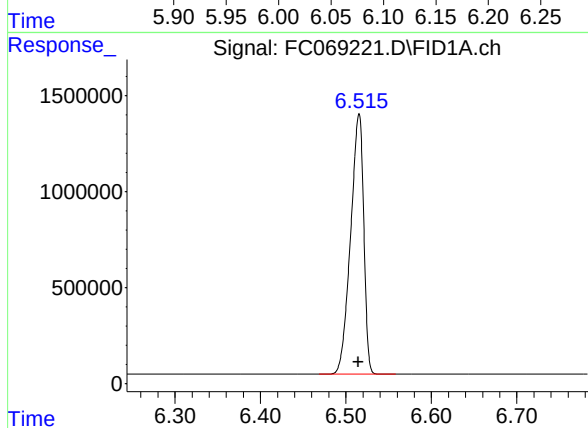
#2 n-Decane (C10)

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



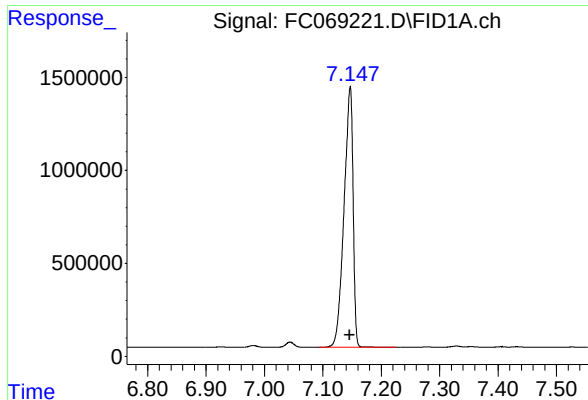
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

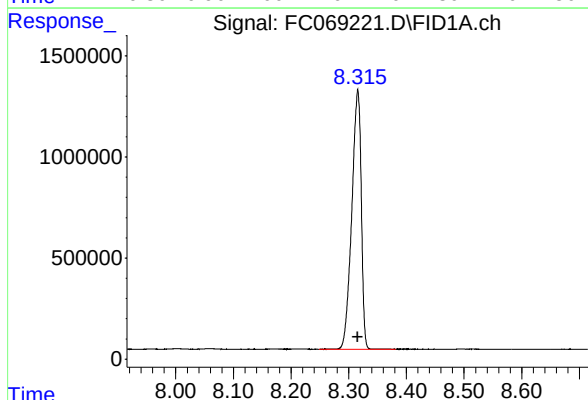
R.T.: 6.515 min
Delta R.T.: 0.000 min
Response: 14484449
Conc: 98.89 ug/ml



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

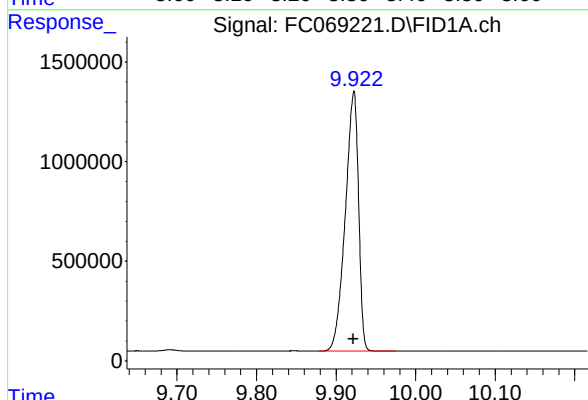
R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 15098330
Conc: 98.80 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



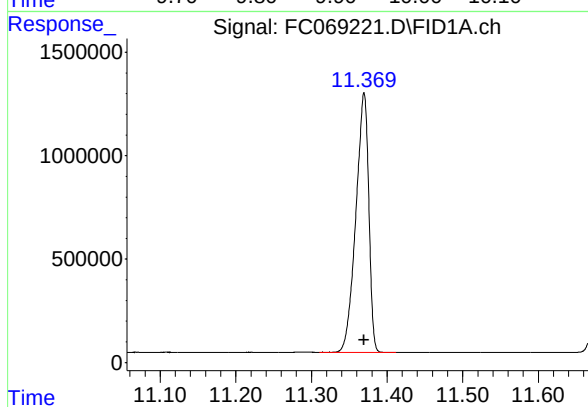
#6 n-Tetradecane (C14)

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



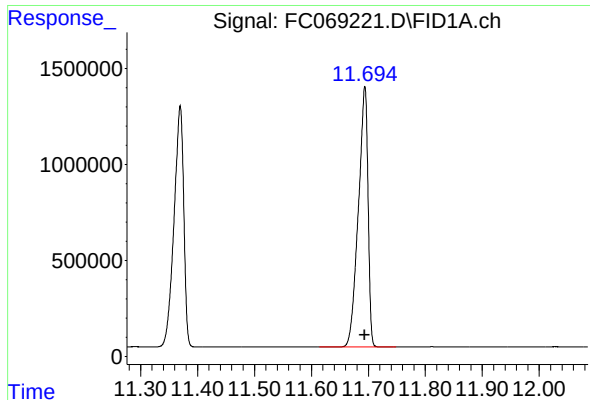
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

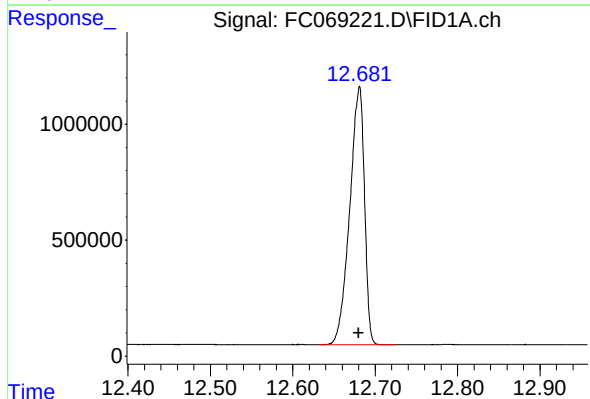
R.T.: 11.369 min
Delta R.T.: 0.000 min
Response: 14862064
Conc: 96.16 ug/ml



#9 ortho-Terphenyl (SURR)

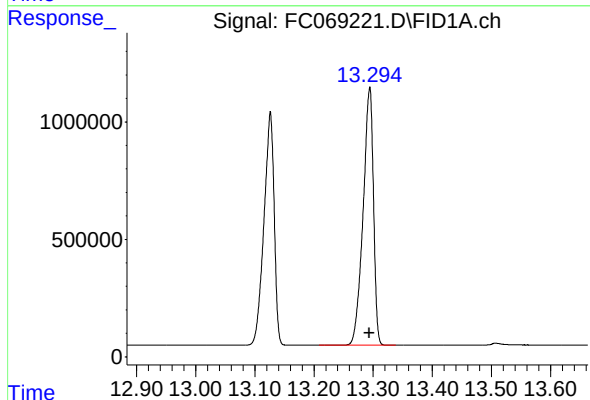
R.T.: 11.693 min
Delta R.T.: 0.000 min
Response: 15986001
Conc: 97.18 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



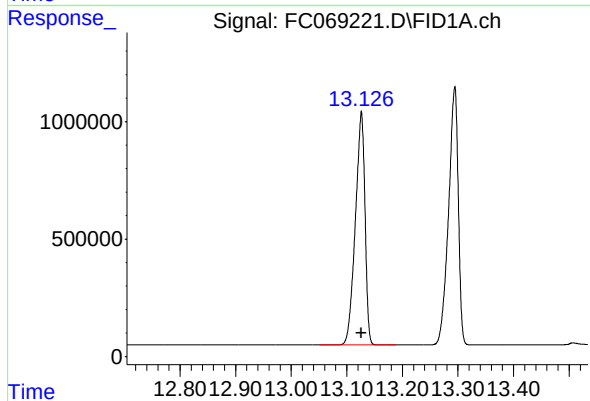
#10 n-Eicosane (C20)

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



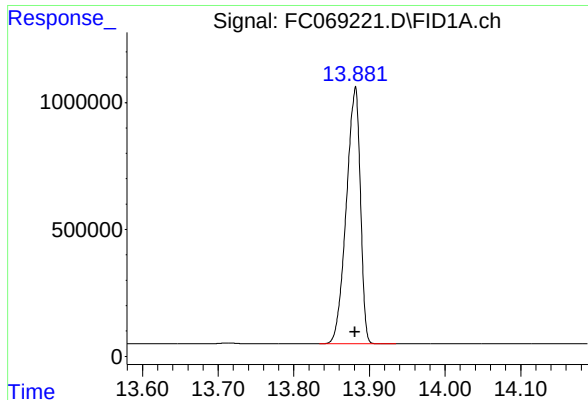
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

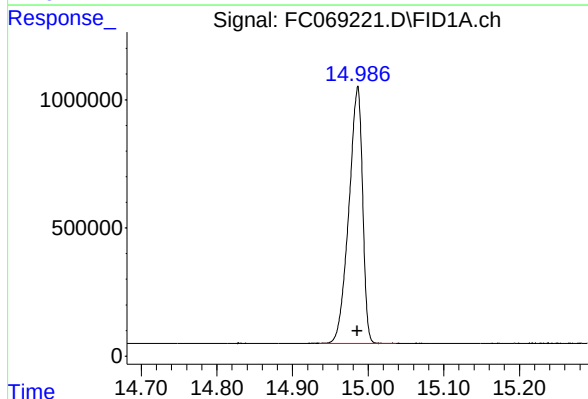
R.T.: 13.126 min
Delta R.T.: 0.000 min
Response: 11916196
Conc: 96.43 ug/ml



#13 n-Docosane (C22)

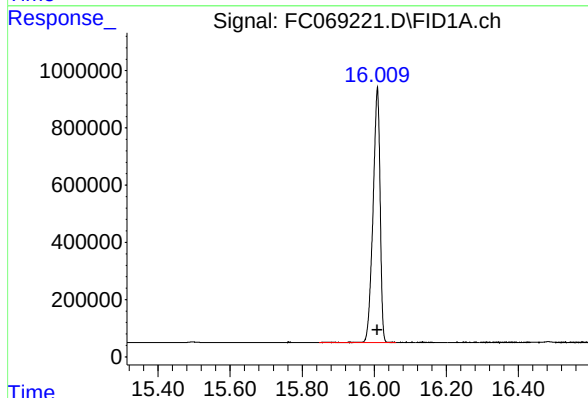
R.T.: 13.881 min
Delta R.T.: 0.000 min
Response: 13057210
Conc: 96.17 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



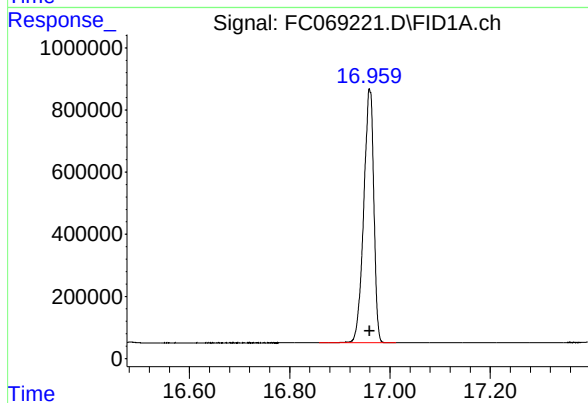
#14 n-Tetracosane (C24)

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



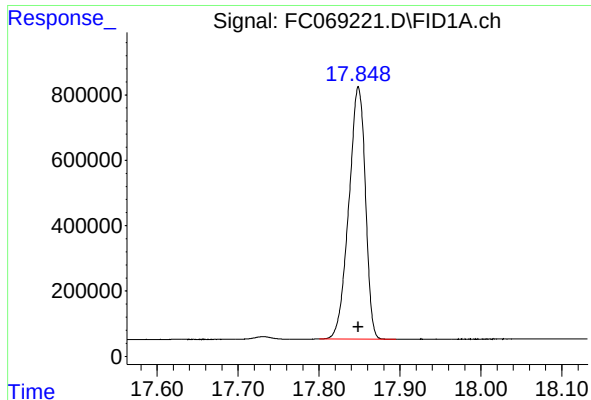
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

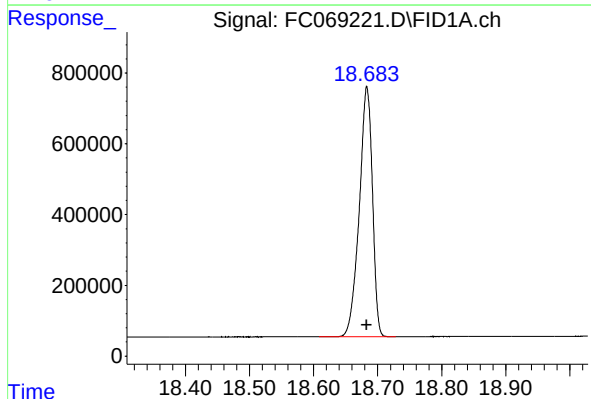
R.T.: 16.960 min
Delta R.T.: 0.000 min
Response: 11408319
Conc: 97.34 ug/ml



#17 n-Tricontane (C30)

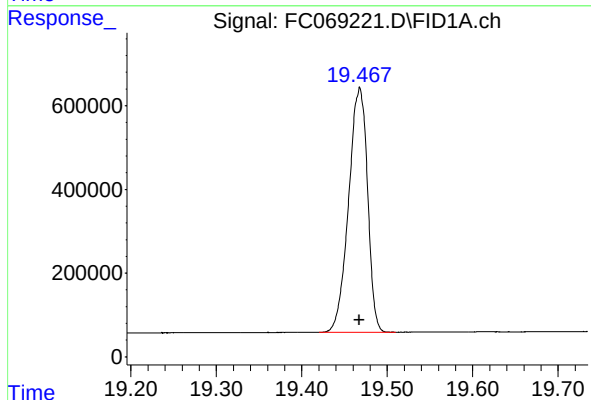
R.T.: 17.849 min
Delta R.T.: 0.000 min
Response: 10984628
Conc: 97.40 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



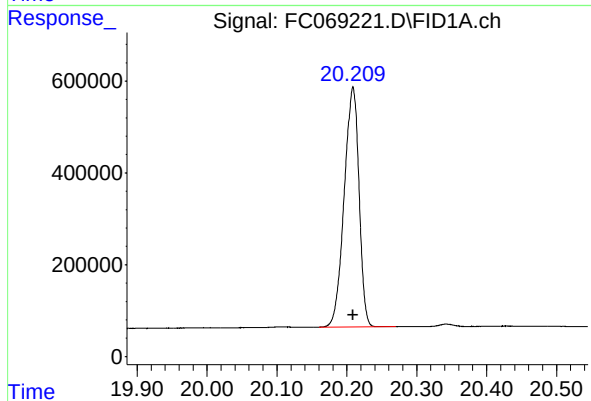
#18 n-Dotriacontane (C32)

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



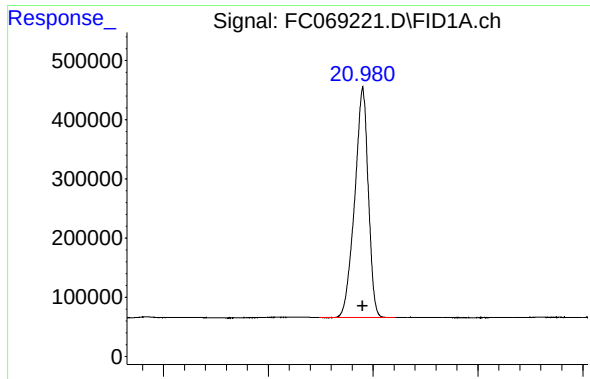
#19 n-Tetratriacontane (C34)

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)

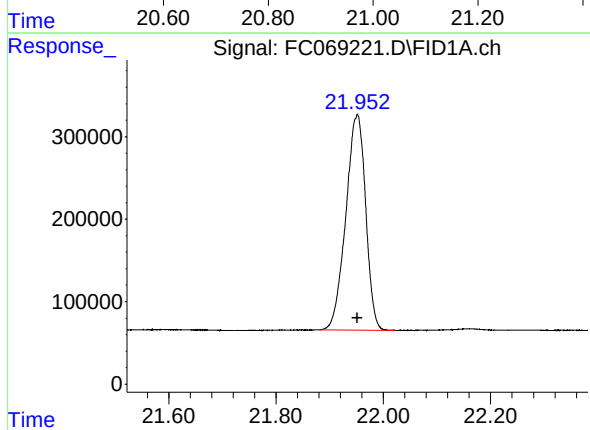
R.T.: 20.980 min
Delta R.T.: 0.000 min
Response: 7003730
Conc: 98.49 ug/ml

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

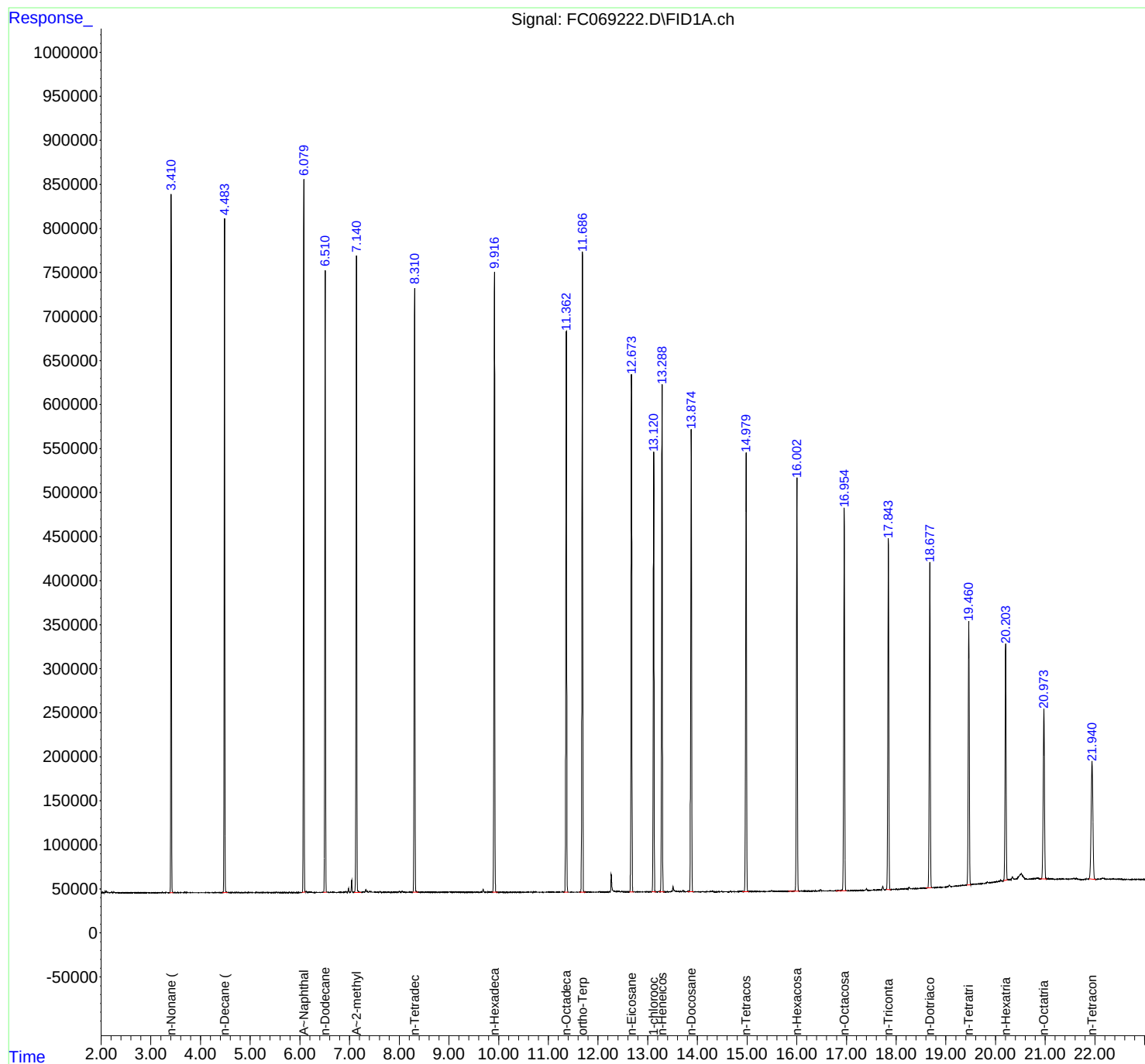
(m)=manual int.

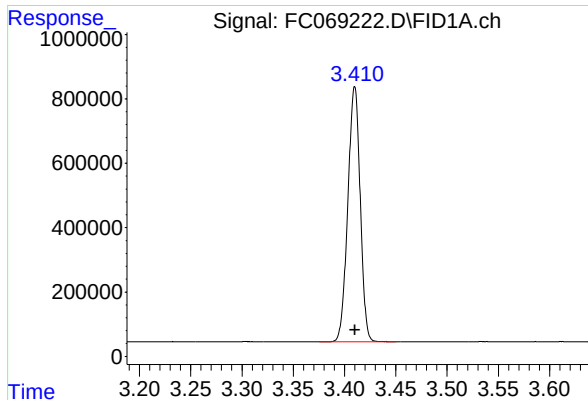
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069222.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 11:58
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

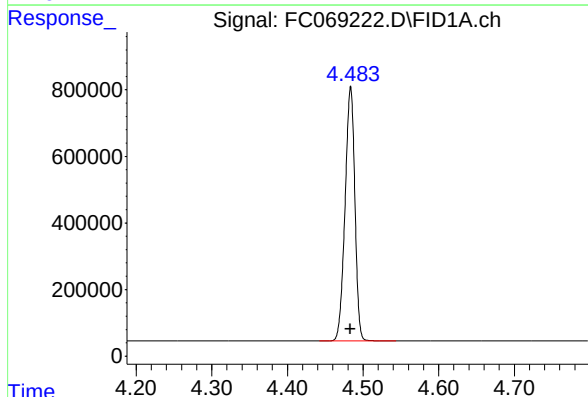




#1 n-Nonane (C9)

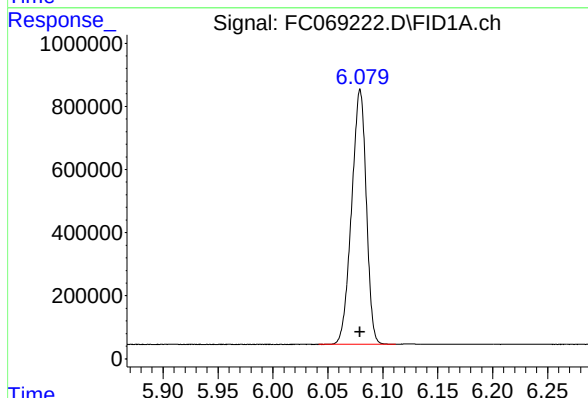
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 6643725
Conc: 48.89 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



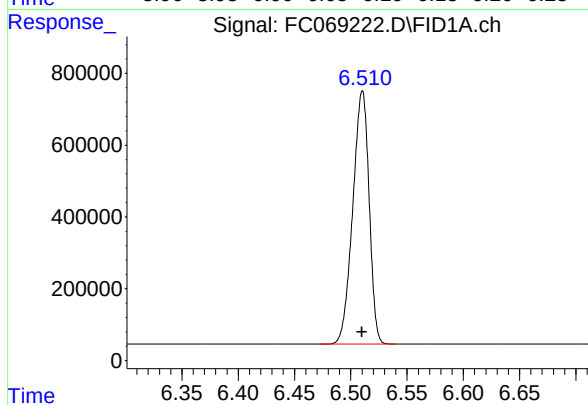
#2 n-Decane (C10)

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



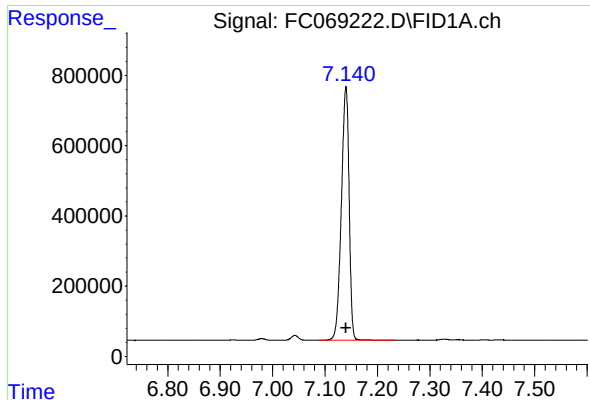
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

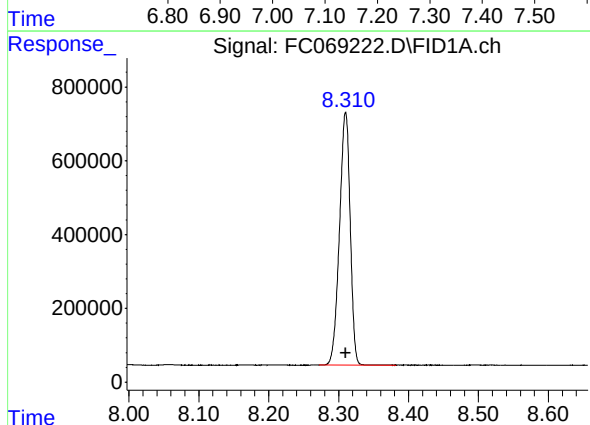
R.T.: 6.510 min
Delta R.T.: 0.000 min
Response: 7130717
Conc: 49.11 ug/ml



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

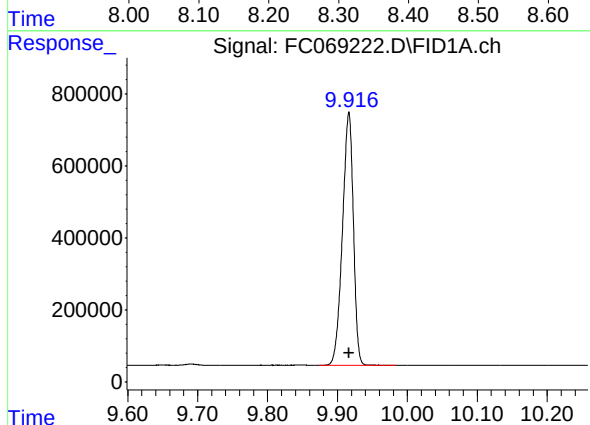
R.T.: 7.140 min
Delta R.T.: 0.000 min
Response: 7422117
Conc: 49.04 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



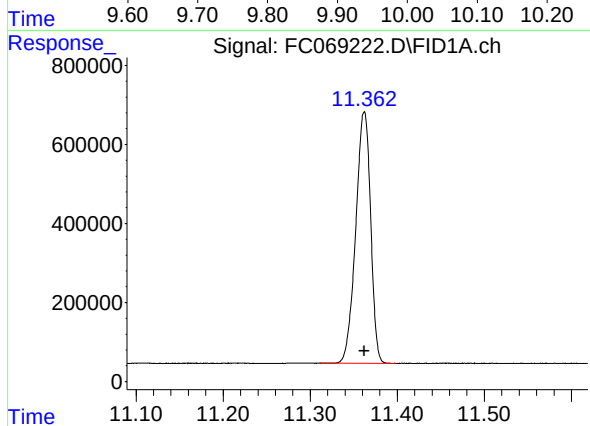
#6 n-Tetradecane (C14)

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



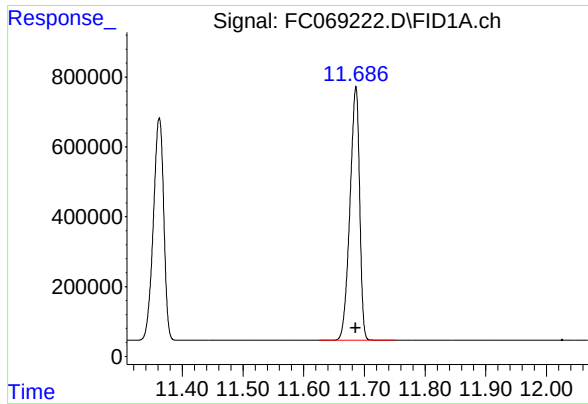
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

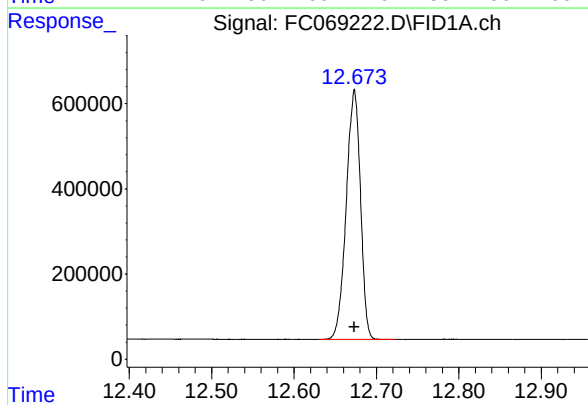
R.T.: 11.362 min
Delta R.T.: 0.000 min
Response: 7565304
Conc: 49.29 ug/ml



#9 ortho-Terphenyl (SURR)

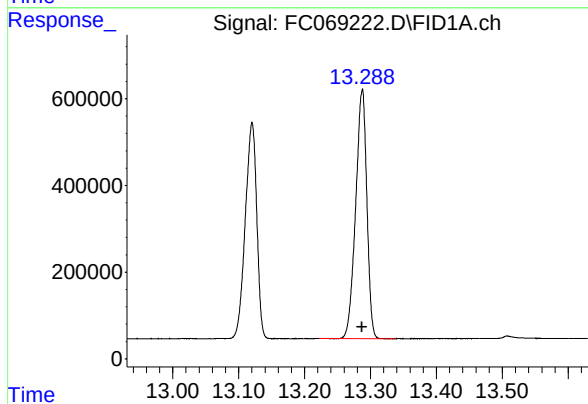
R.T.: 11.686 min
Delta R.T.: 0.000 min
Response: 8035113
Conc: 49.22 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



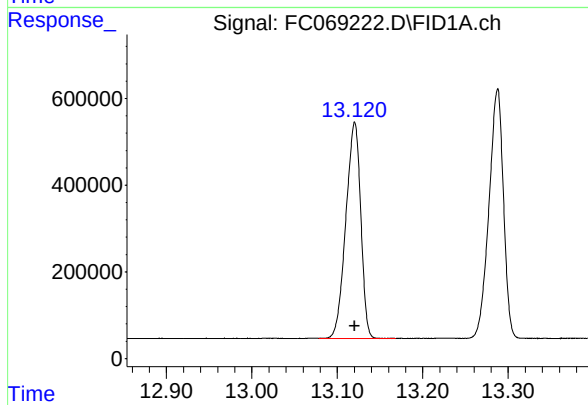
#10 n-Eicosane (C20)

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



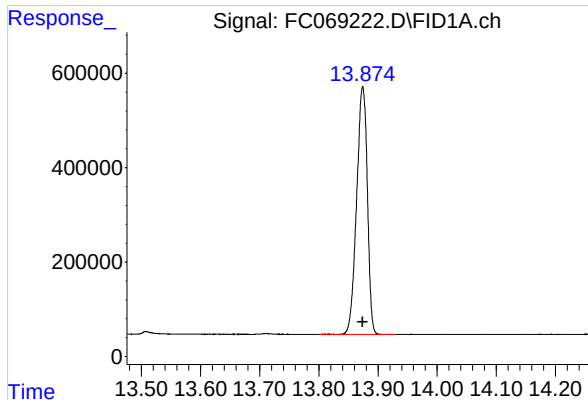
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

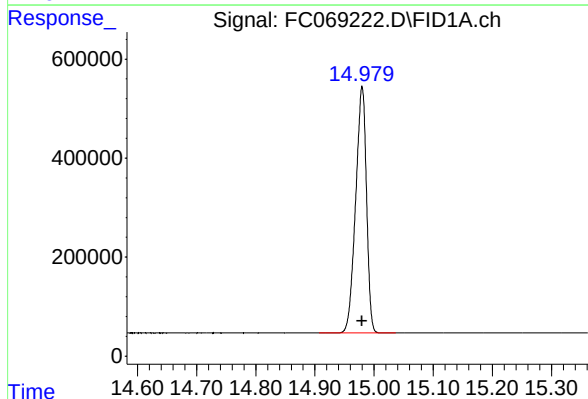
R.T.: 13.120 min
Delta R.T.: 0.000 min
Response: 6029490
Conc: 49.19 ug/ml



#13 n-Docosane (C22)

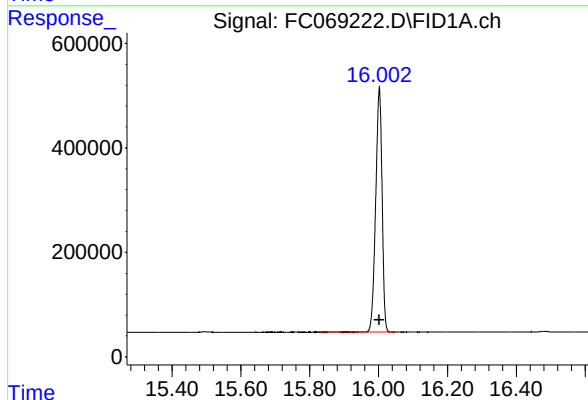
R.T.: 13.874 min
Delta R.T.: 0.000 min
Response: 6604673
Conc: 49.09 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



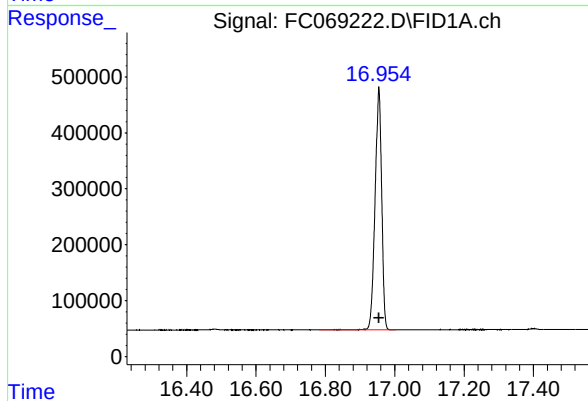
#14 n-Tetracosane (C24)

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



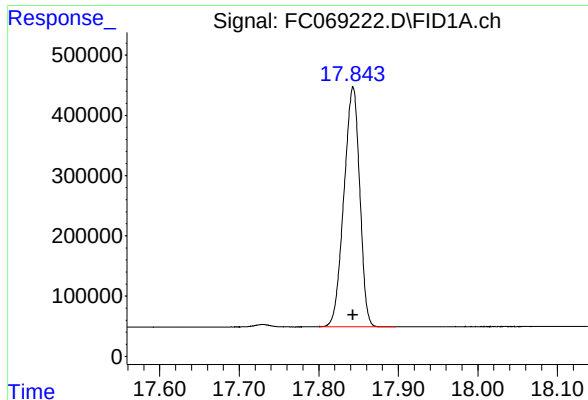
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

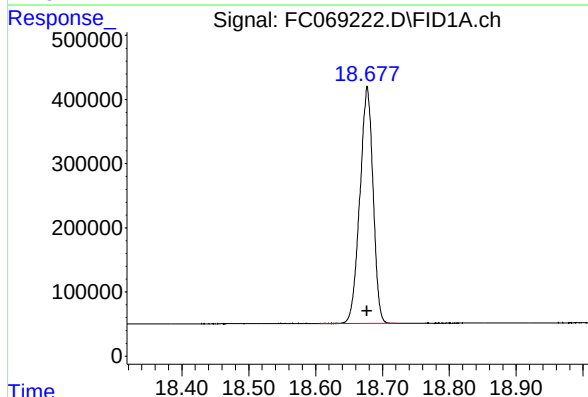
R.T.: 16.954 min
Delta R.T.: 0.000 min
Response: 5708418
Conc: 49.13 ug/ml



#17 n-Tricontane (C30)

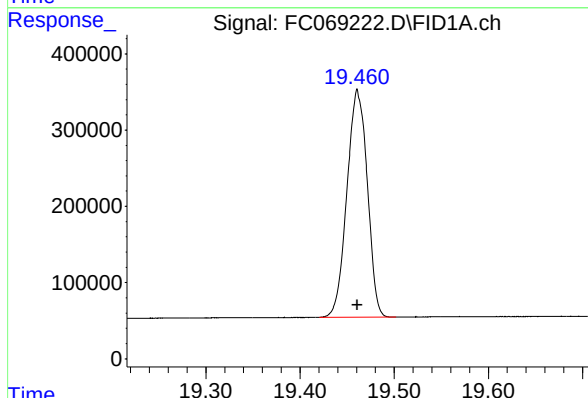
R.T.: 17.843 min
Delta R.T.: 0.000 min
Response: 5495136
Conc: 49.14 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



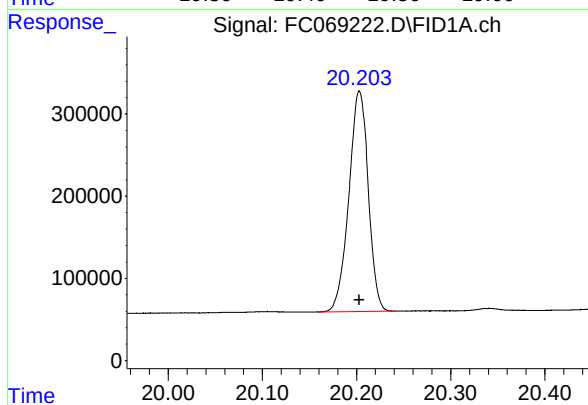
#18 n-Dotriacontane (C32)

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



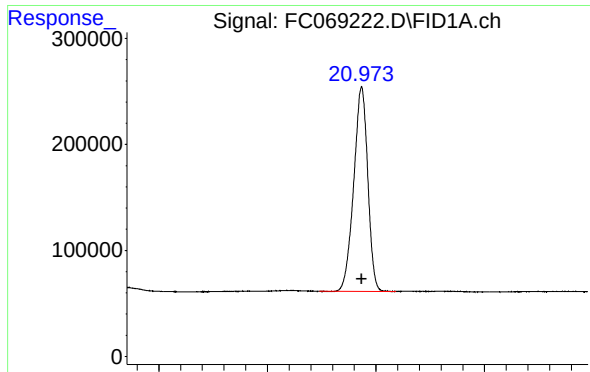
#19 n-Tetatriacontane (C34)

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



#20 n-Hexatriacontane (C36)

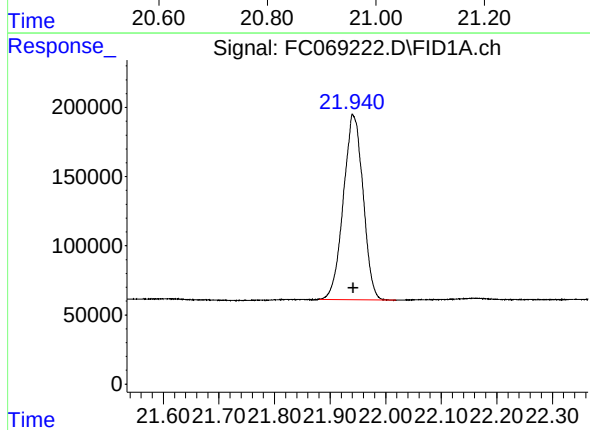
R.T.: 20.203 min
Delta R.T.: 0.000 min
Response: 3834019
Conc: 49.33 ug/ml



#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

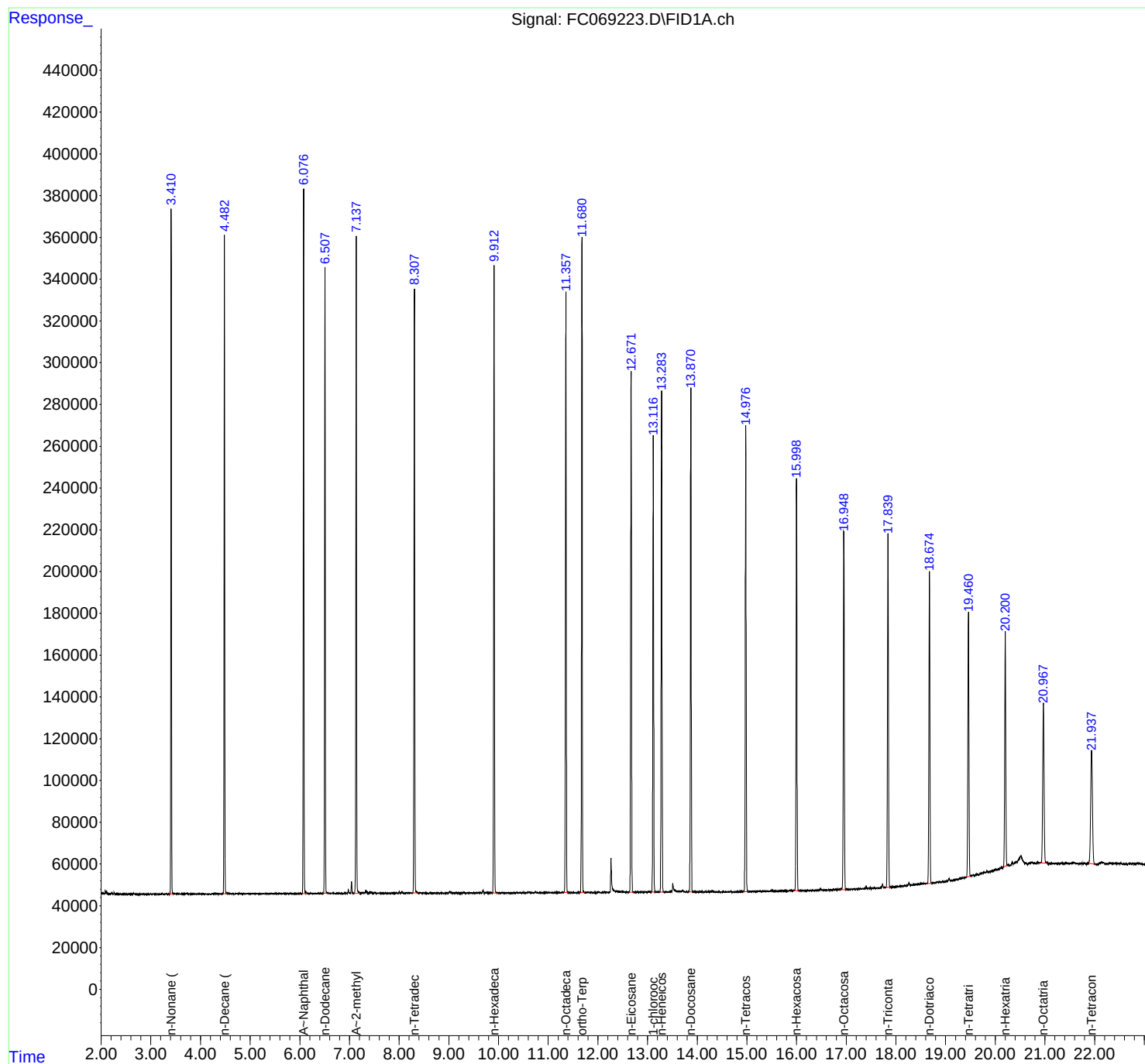
(m)=manual int.

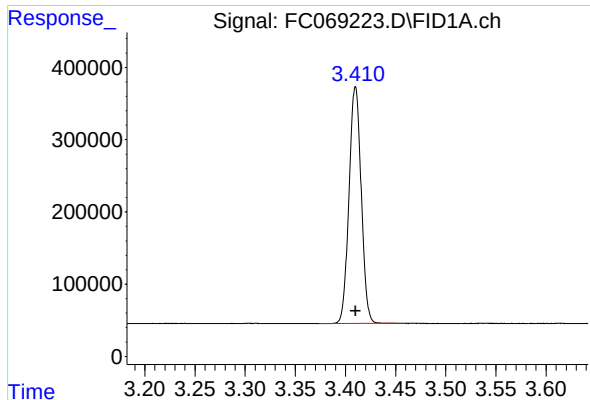
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069223.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 12:39
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

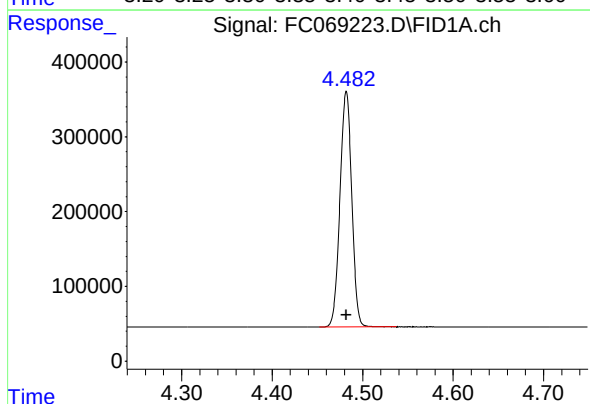




#1 n-Nonane (C9)

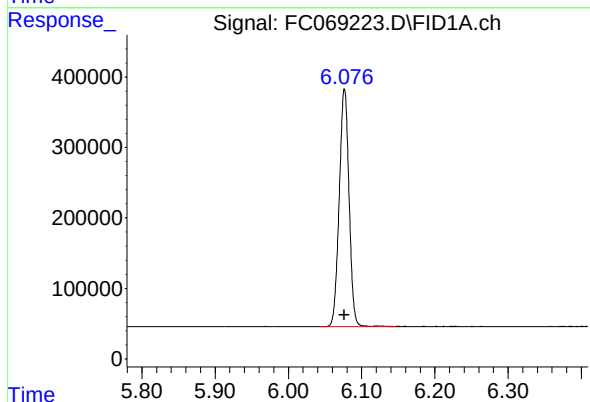
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 2767240
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



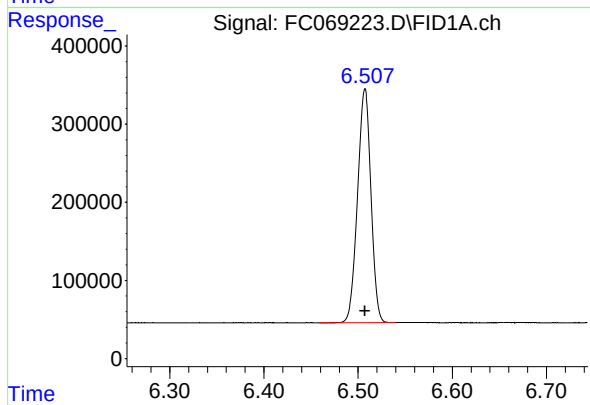
#2 n-Decane (C10)

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



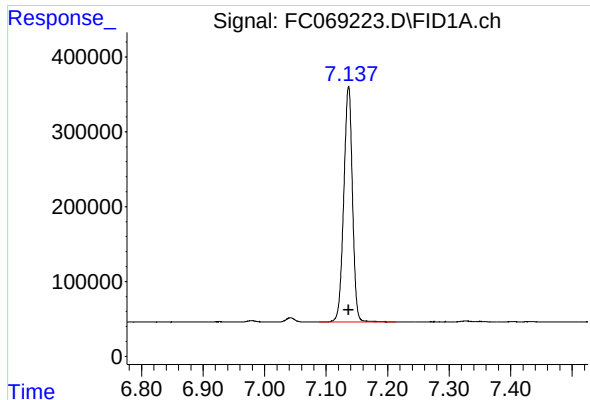
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

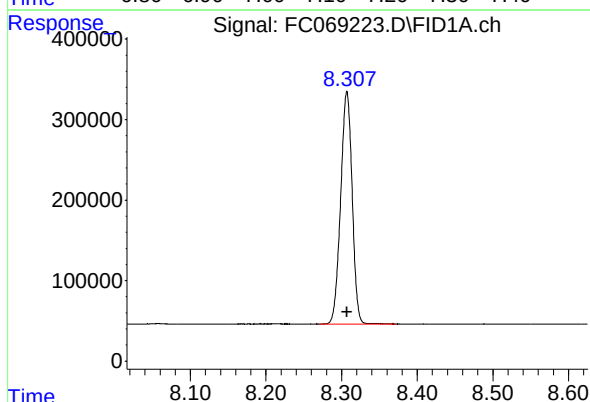
R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 2962169
Conc: 20.00 ug/ml



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

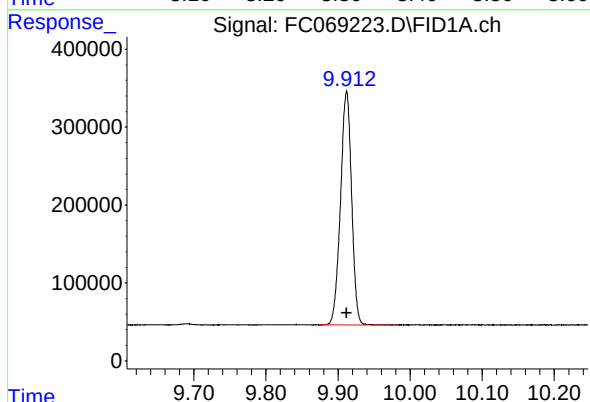
R.T.: 7.136 min
Delta R.T.: 0.000 min
Response: 3092803
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



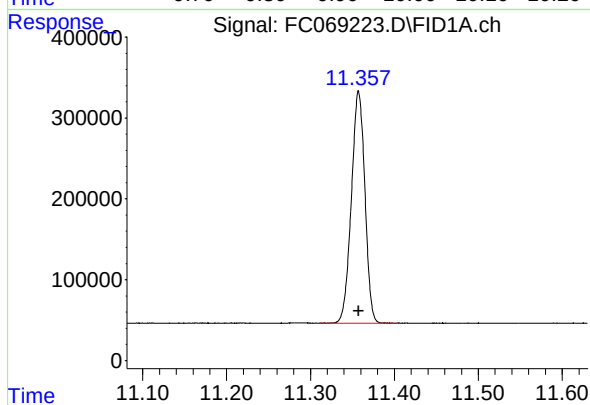
#6 n-Tetradecane (C14)

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



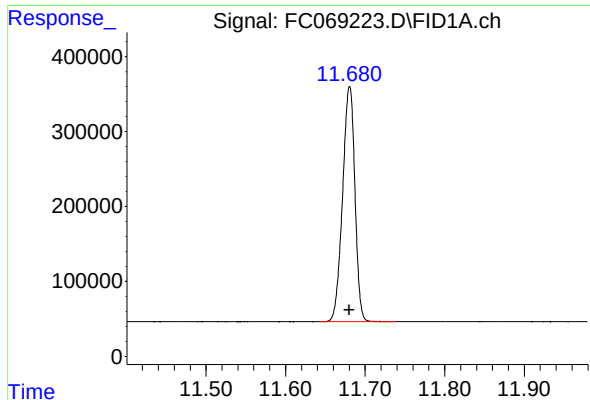
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

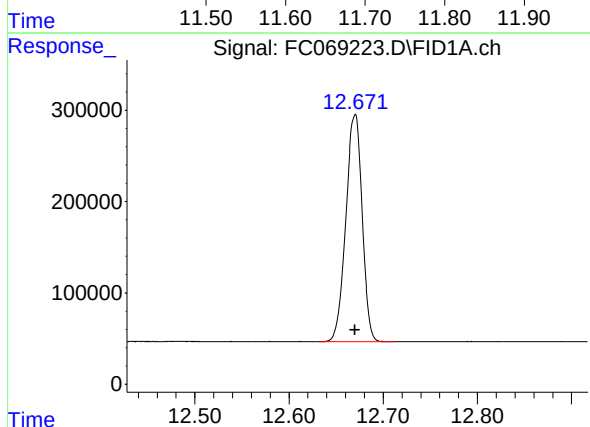
R.T.: 11.357 min
Delta R.T.: 0.000 min
Response: 3209683
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

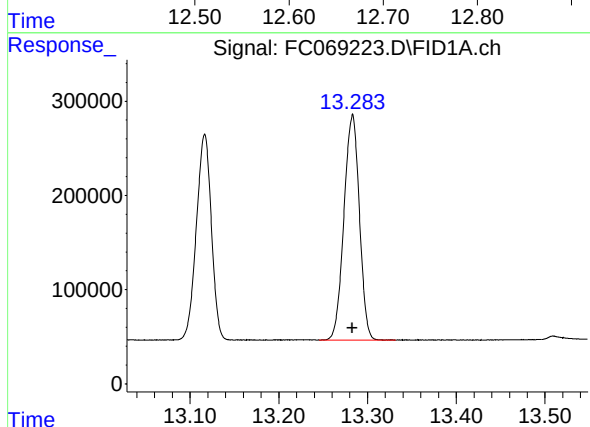
R.T.: 11.680 min
Delta R.T.: 0.000 min
Response: 3382762
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



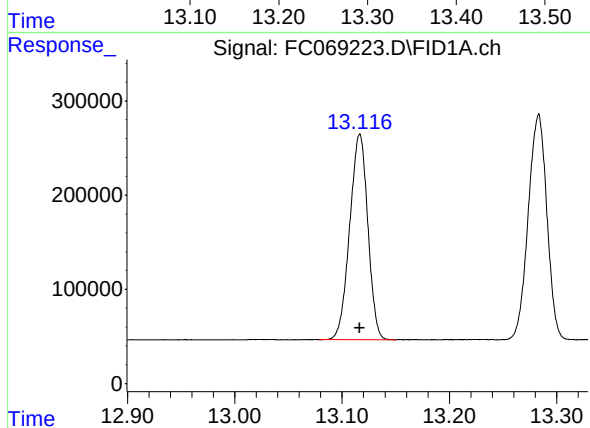
#10 n-Eicosane (C20)

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



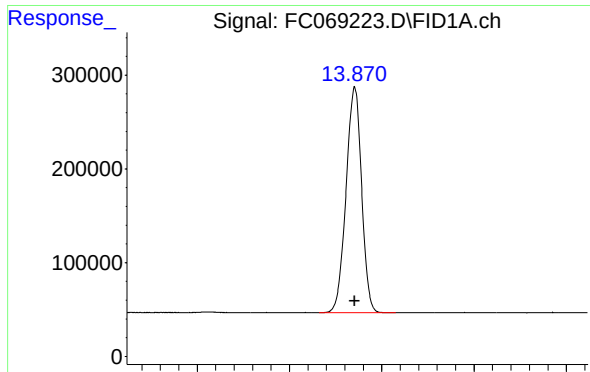
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

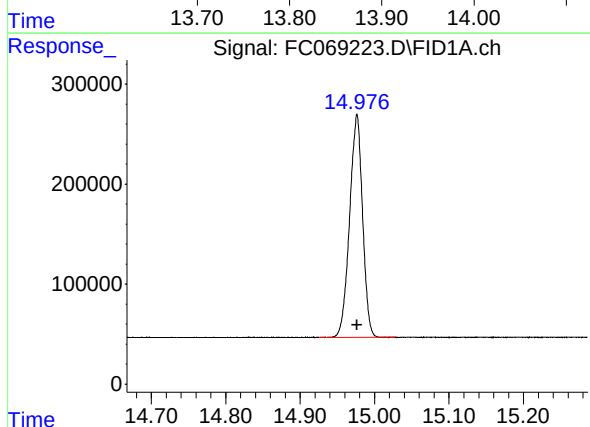
R.T.: 13.116 min
Delta R.T.: 0.000 min
Response: 2559732
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

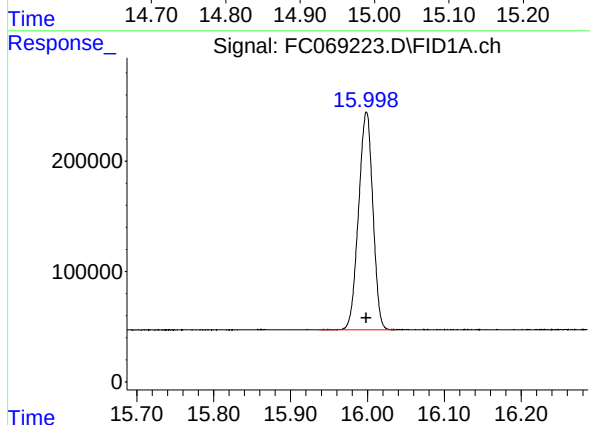
R.T.: 13.871 min
Delta R.T.: 0.000 min
Response: 2819173
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



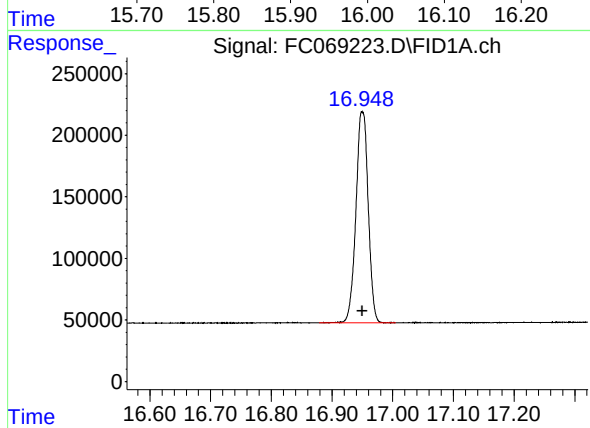
#14 n-Tetracosane (C24)

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



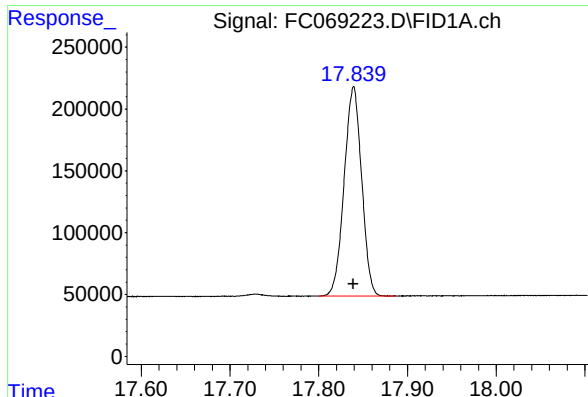
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

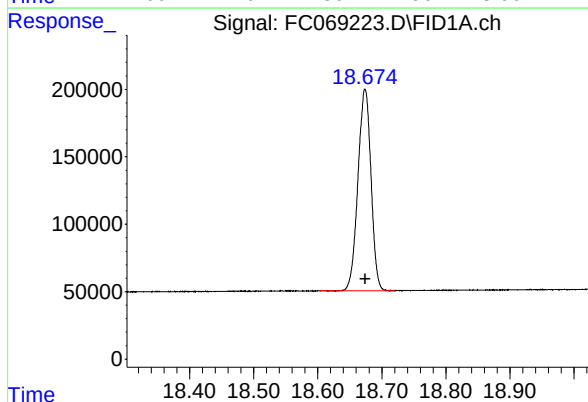
R.T.: 16.950 min
Delta R.T.: 0.000 min
Response: 2406490
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

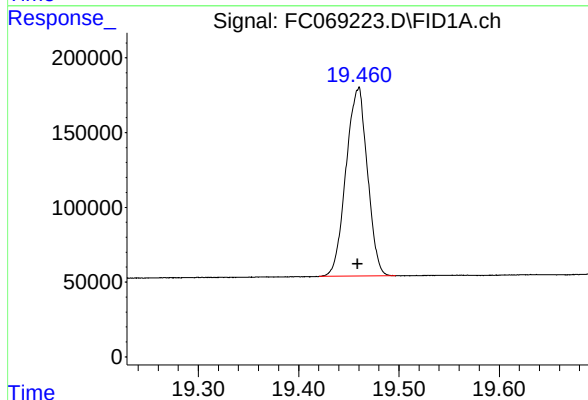
R.T.: 17.839 min
Delta R.T.: 0.000 min
Response: 2314105
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



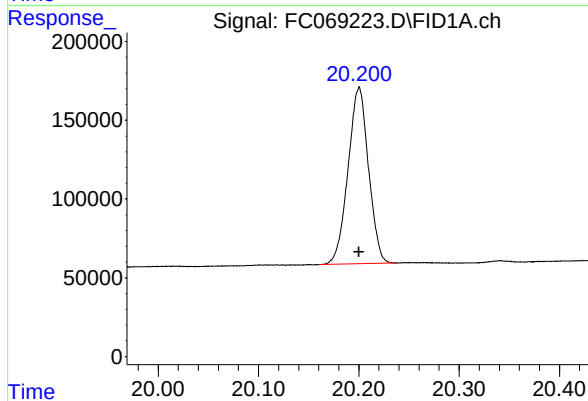
#18 n-Dotriacontane (C32)

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



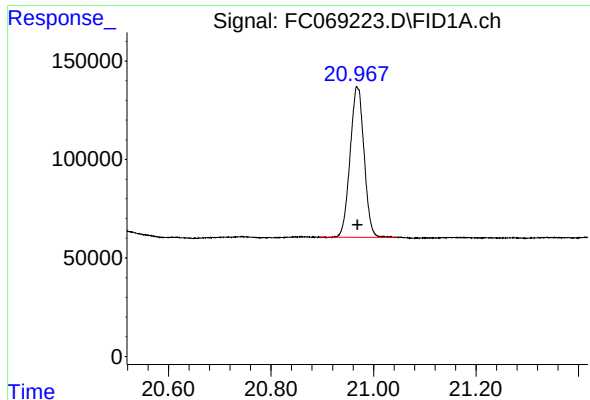
#19 n-Tetatriacontane (C34)

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



#20 n-Hexatriacontane (C36)

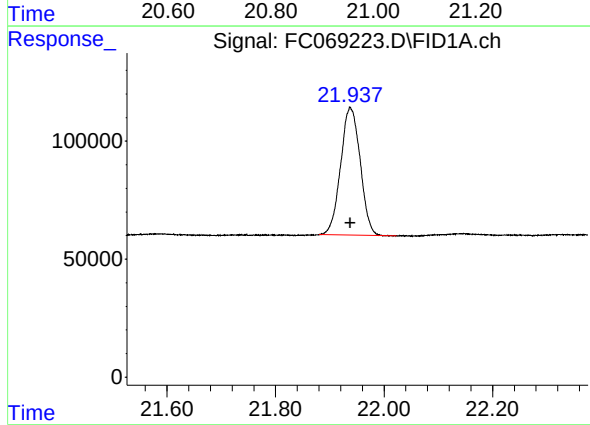
R.T.: 20.200 min
Delta R.T.: 0.000 min
Response: 1587141
Conc: 20.00 ug/ml



#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

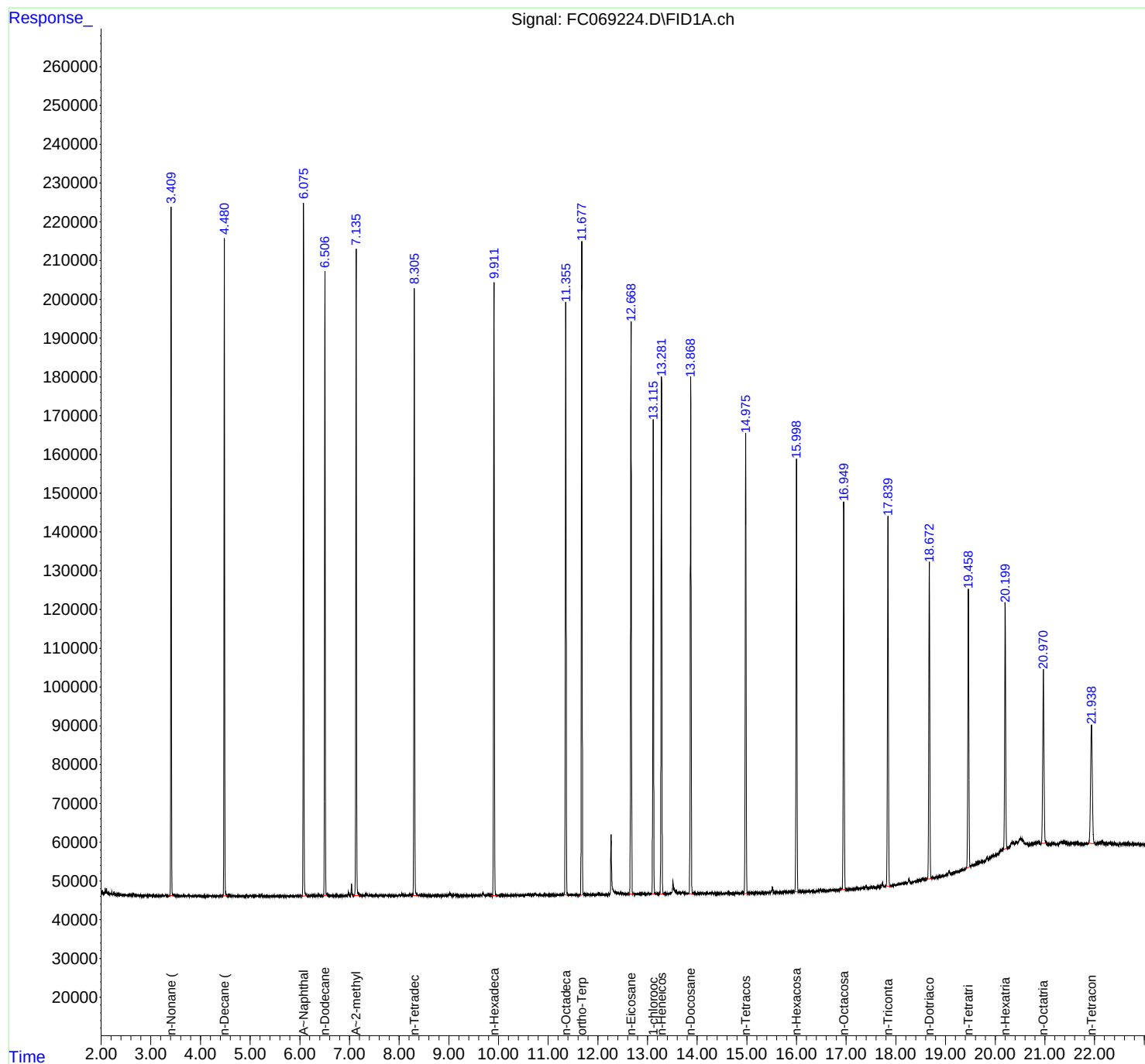
(m)=manual int.

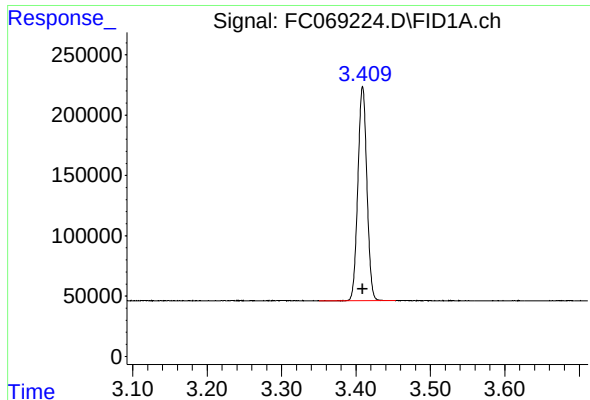
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069224.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 13:20
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

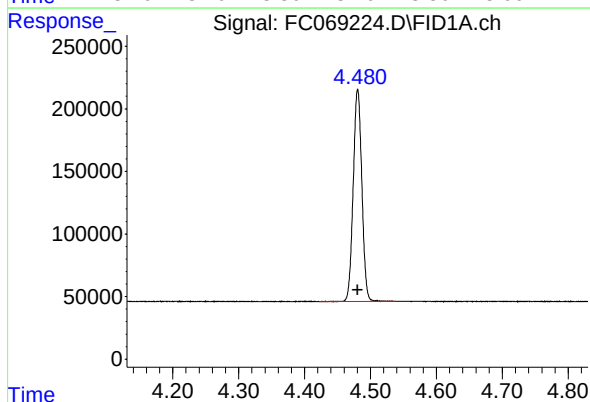




#1 n-Nonane (C9)

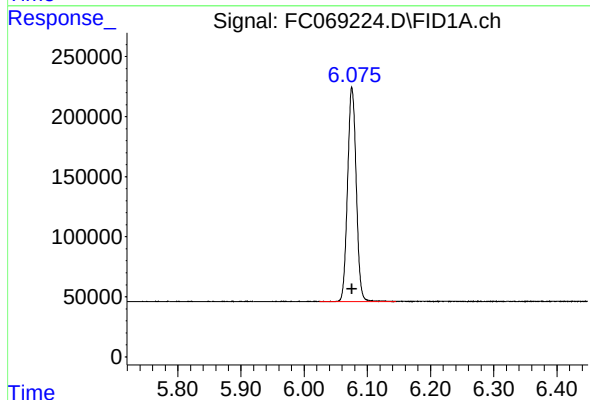
R.T.: 3.409 min
Delta R.T.: 0.000 min
Response: 1496071
Conc: 10.74 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



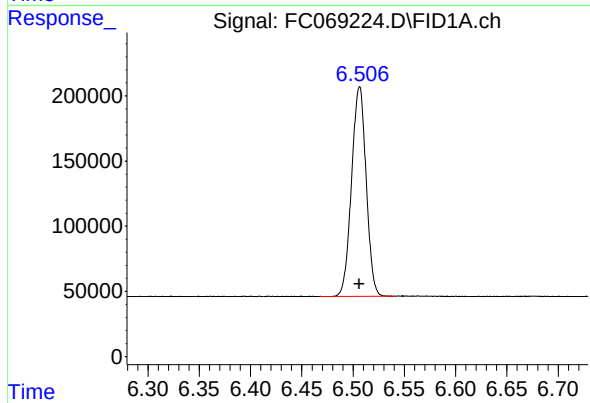
#2 n-Decane (C10)

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



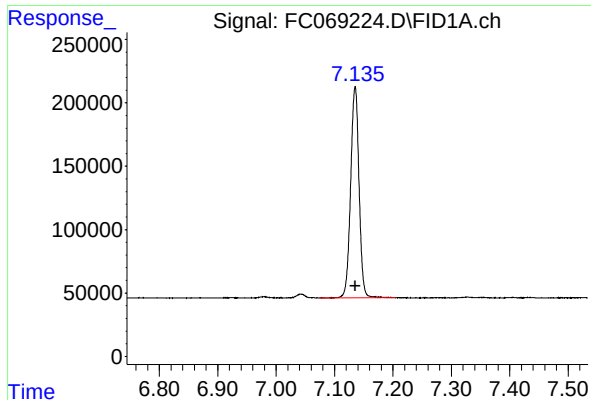
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

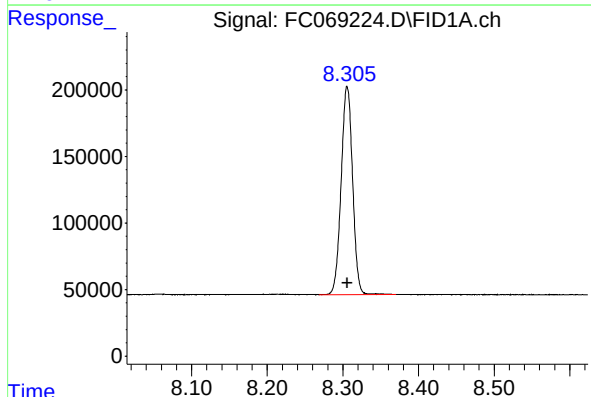
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 1592006
Conc: 10.71 ug/ml



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

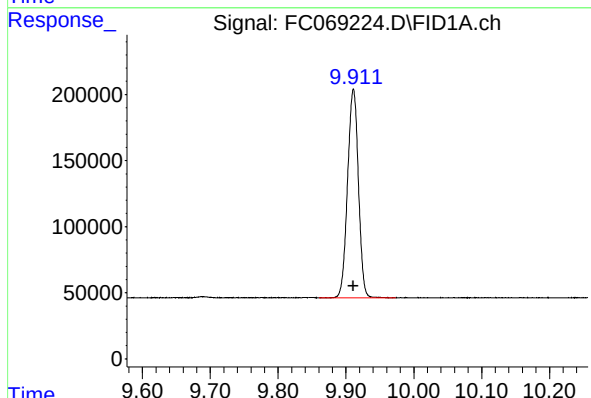
R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 1665892
Conc: 10.74 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



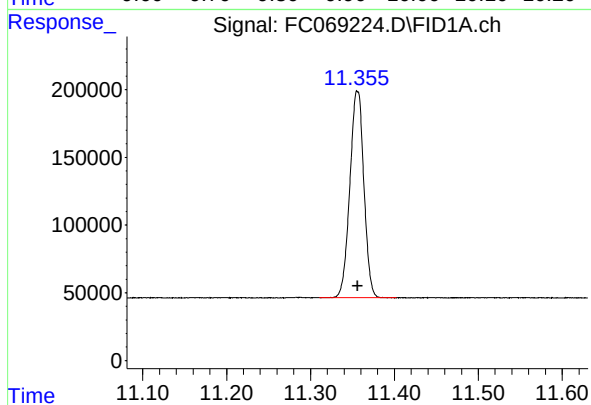
#6 n-Tetradecane (C14)

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



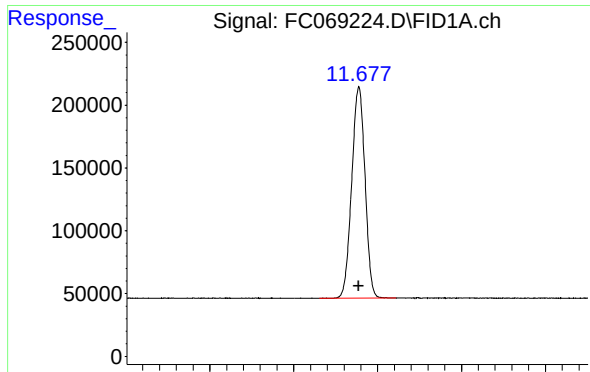
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

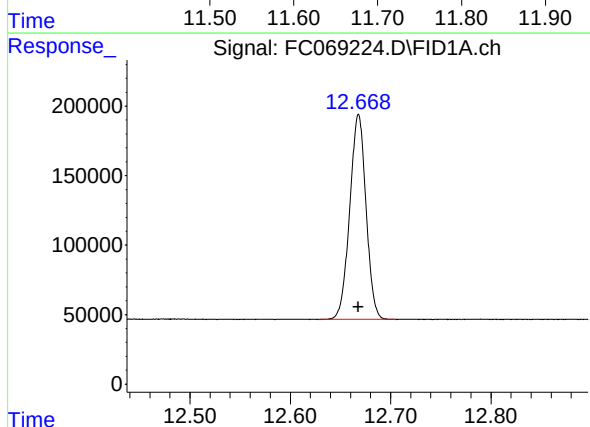
R.T.: 11.356 min
Delta R.T.: 0.000 min
Response: 1771170
Conc: 11.11 ug/ml



#9 ortho-Terphenyl (SURR)

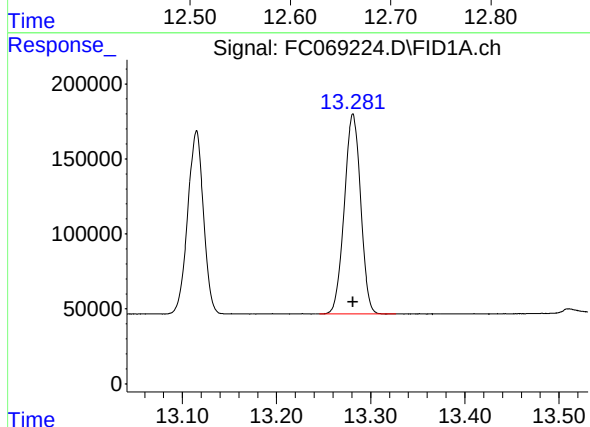
R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 1856143
Conc: 10.99 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



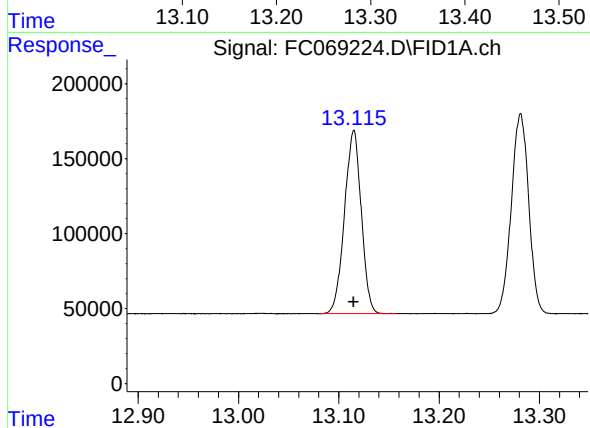
#10 n-Eicosane (C20)

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



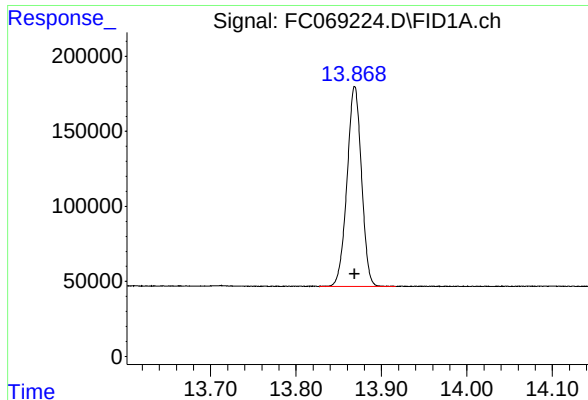
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

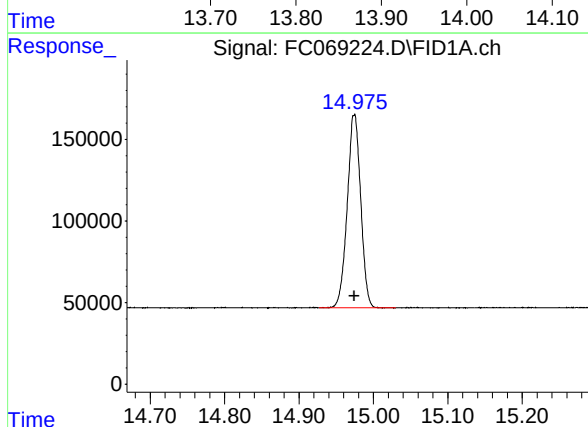
R.T.: 13.115 min
Delta R.T.: 0.000 min
Response: 1417487
Conc: 11.13 ug/ml



#13 n-Docosane (C22)

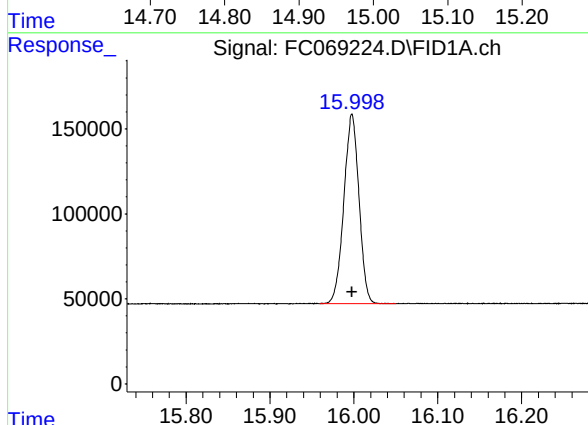
R.T.: 13.869 min
Delta R.T.: 0.000 min
Response: 1565876
Conc: 11.18 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



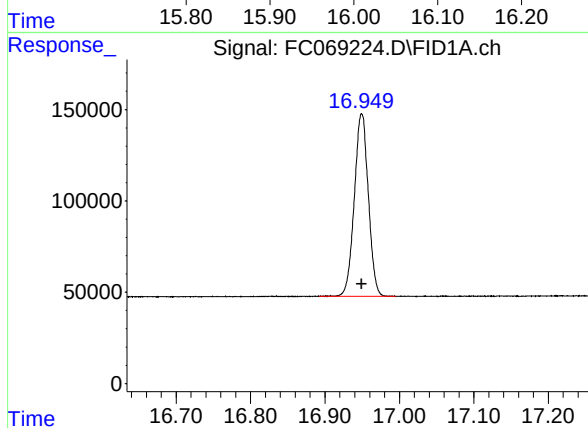
#14 n-Tetracosane (C24)

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



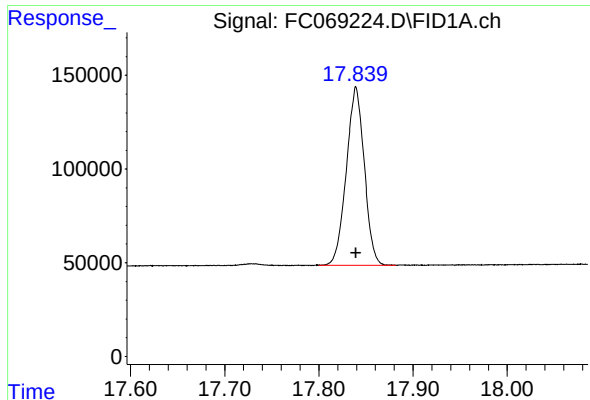
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

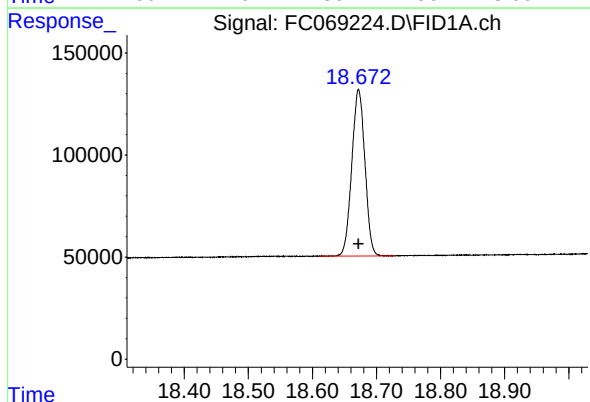
R.T.: 16.949 min
Delta R.T.: 0.000 min
Response: 1308541
Conc: 10.92 ug/ml



#17 n-Tricontane (C30)

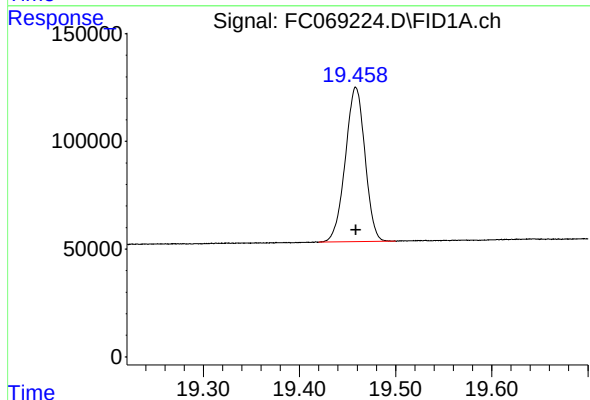
R.T.: 17.839 min
Delta R.T.: 0.000 min
Response: 1257631
Conc: 10.91 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



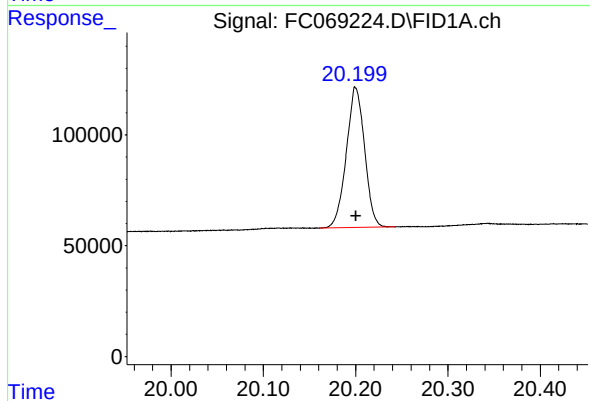
#18 n-Dotriacontane (C32)

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



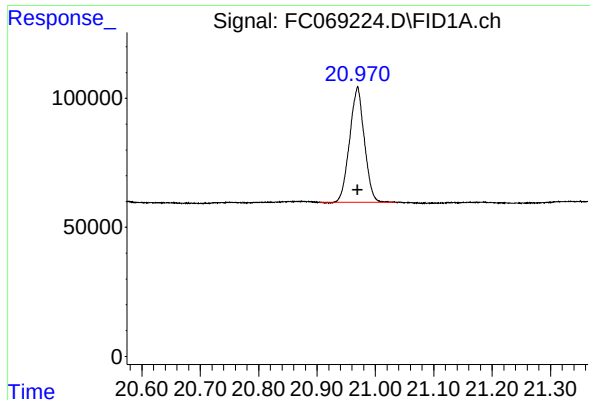
#19 n-Tetatriacontane (C34)

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



#20 n-Hexatriacontane (C36)

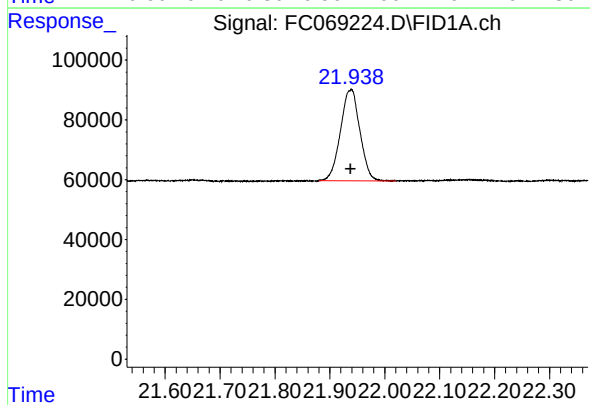
R.T.: 20.200 min
Delta R.T.: 0.000 min
Response: 869747
Conc: 10.87 ug/ml



#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

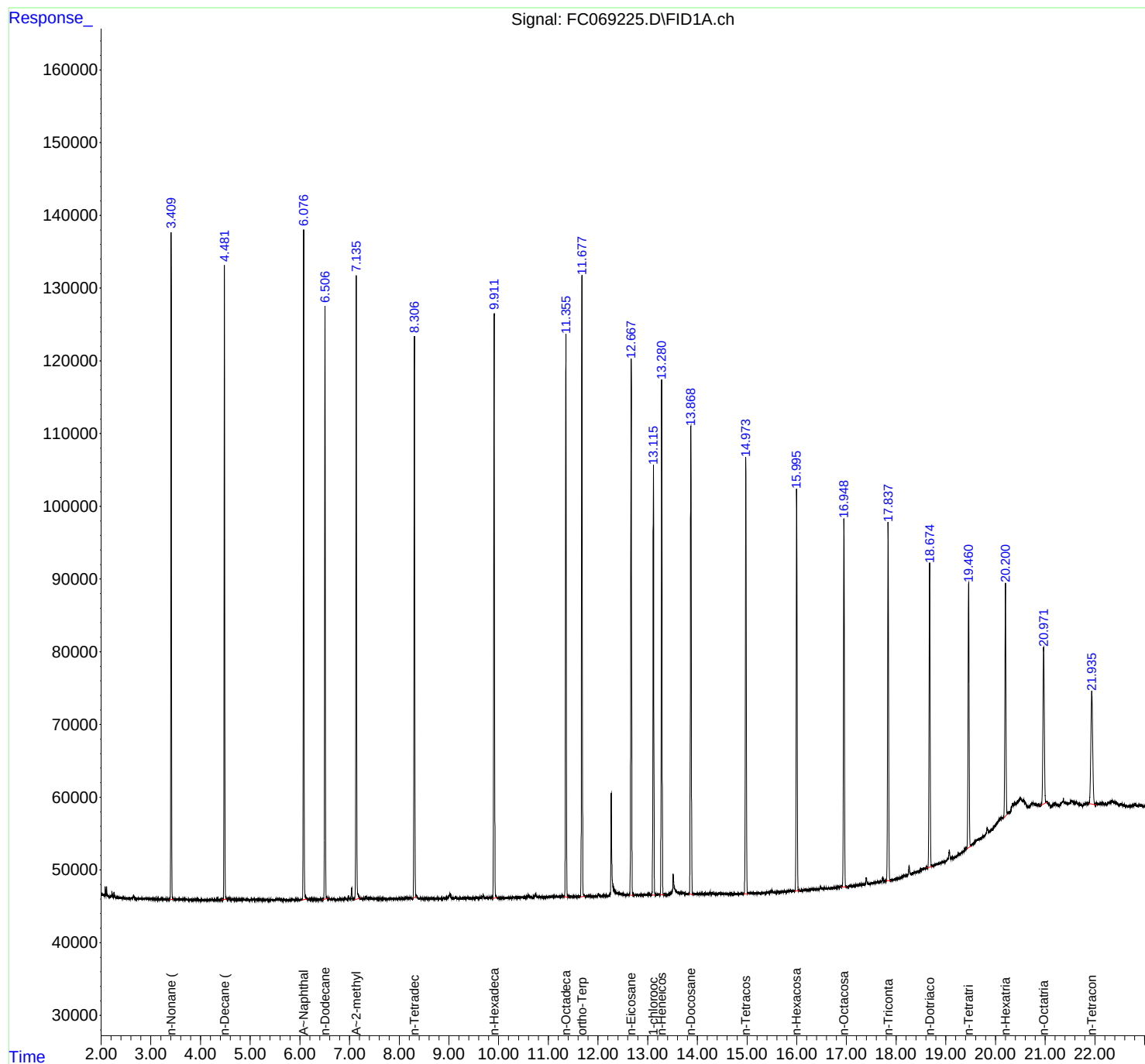
(m)=manual int.

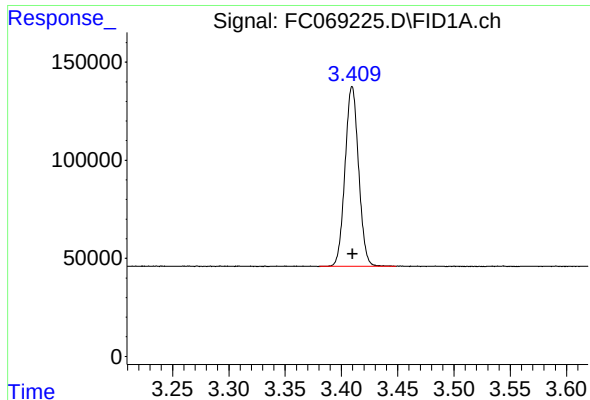
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069225.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 14:03
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

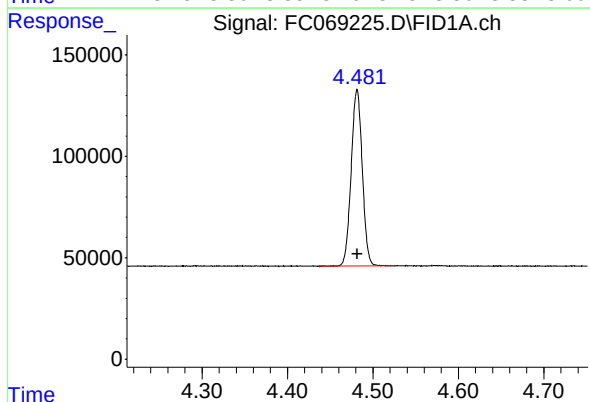




#1 n-Nonane (C9)

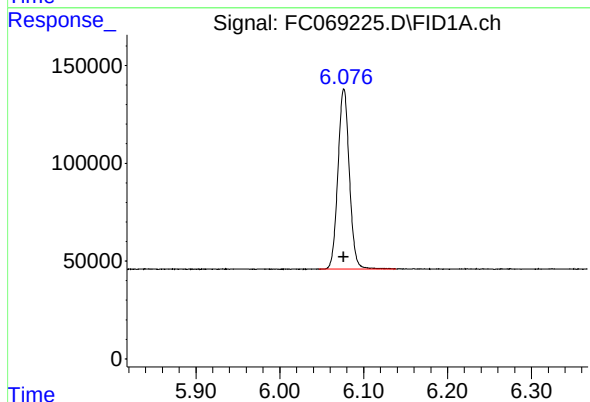
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 768967
Conc: 5.41 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



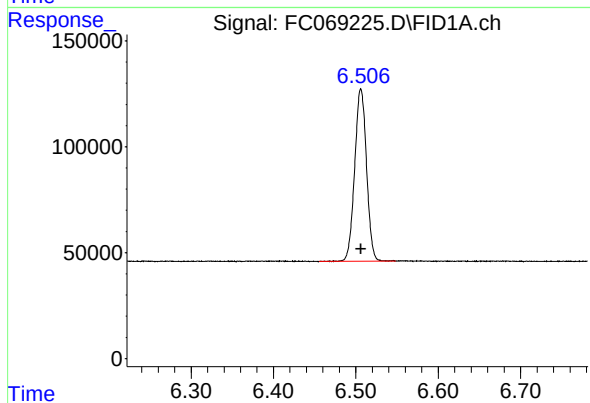
#2 n-Decane (C10)

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



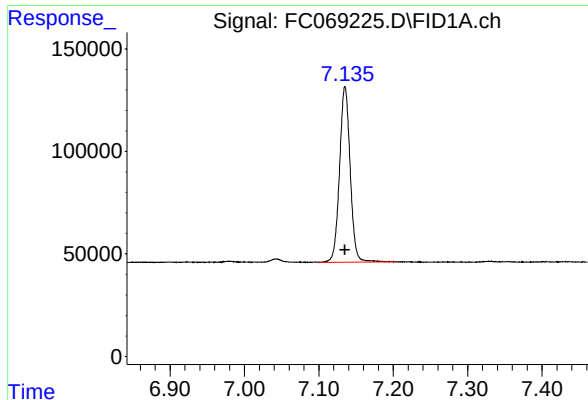
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

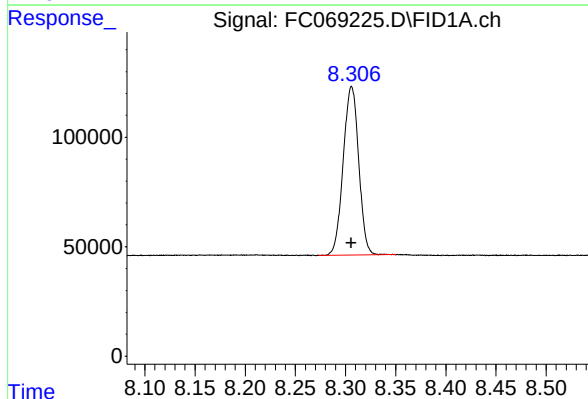
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 811783
Conc: 5.36 ug/ml



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

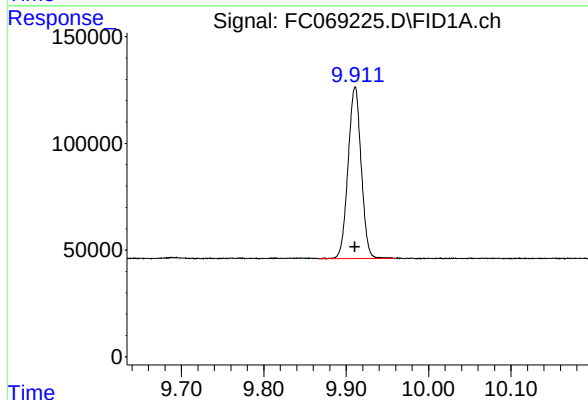
R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 852964
Conc: 5.39 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



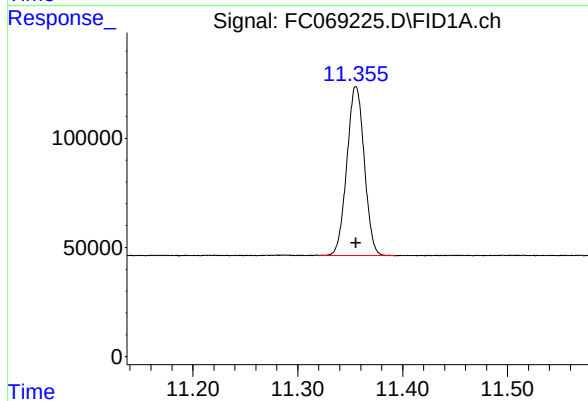
#6 n-Tetradecane (C14)

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



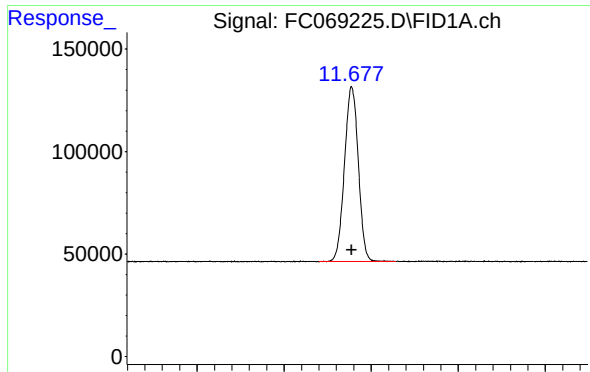
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

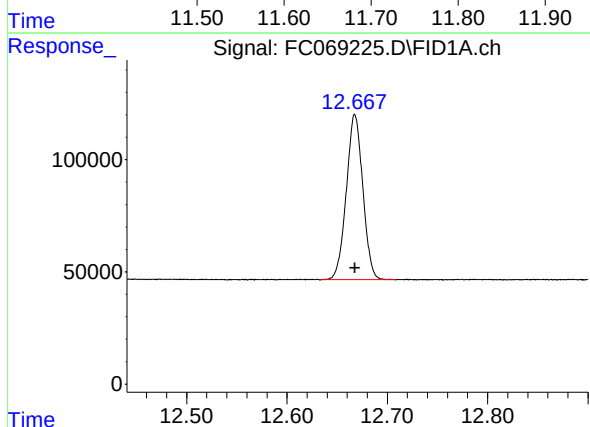
R.T.: 11.356 min
Delta R.T.: 0.000 min
Response: 894124
Conc: 5.48 ug/ml



#9 ortho-Terphenyl (SURR)

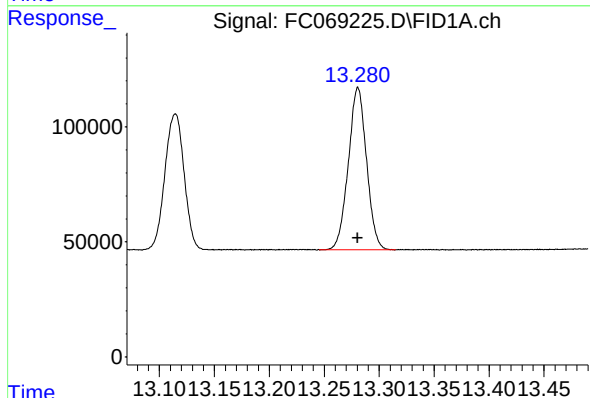
R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 942393
Conc: 5.45 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



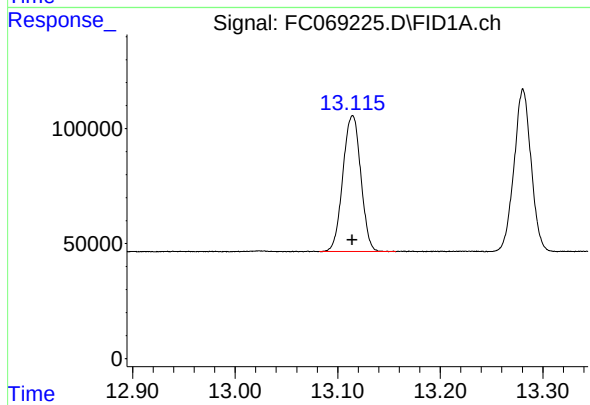
#10 n-Eicosane (C20)

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



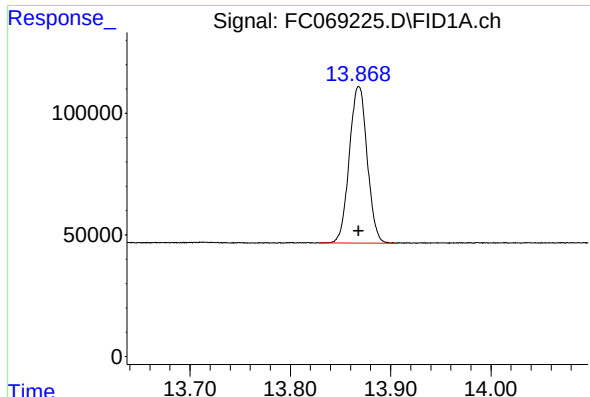
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

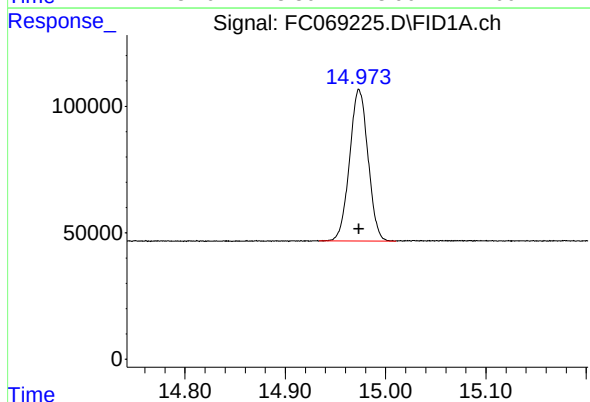
R.T.: 13.114 min
Delta R.T.: 0.000 min
Response: 718614
Conc: 5.50 ug/ml



#13 n-Docosane (C22)

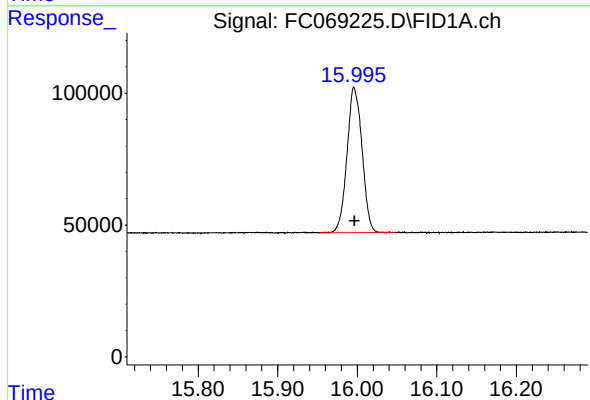
R.T.: 13.868 min
Delta R.T.: 0.000 min
Response: 796002
Conc: 5.53 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



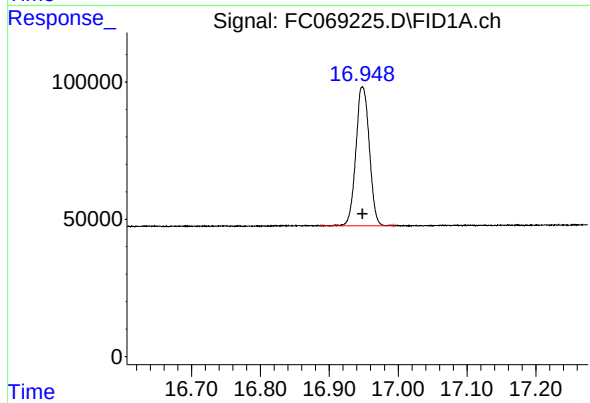
#14 n-Tetracosane (C24)

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



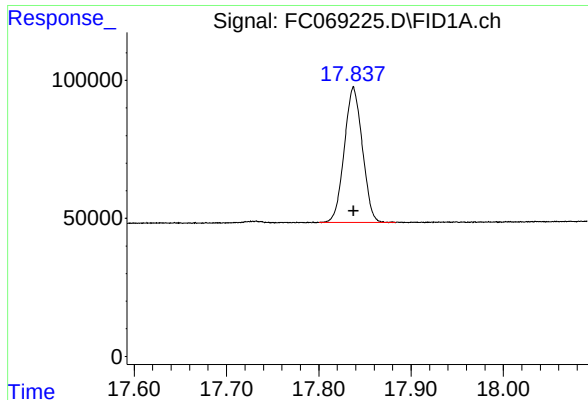
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

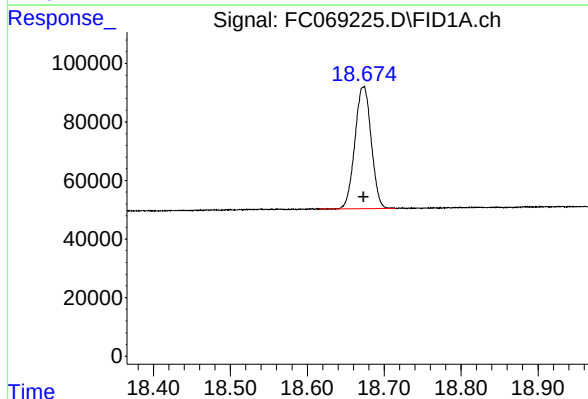
R.T.: 16.948 min
Delta R.T.: 0.000 min
Response: 686066
Conc: 5.56 ug/ml



#17 n-Tricontane (C30)

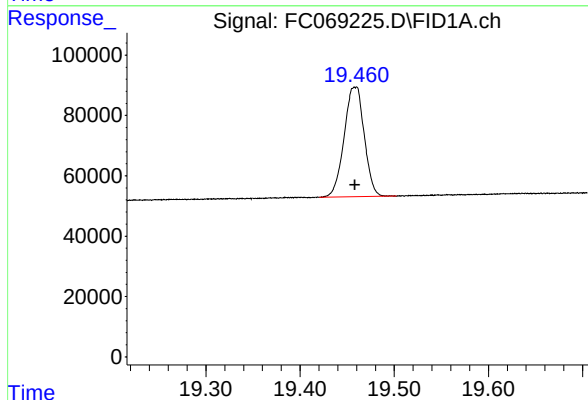
R.T.: 17.838 min
Delta R.T.: 0.000 min
Response: 666002
Conc: 5.60 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



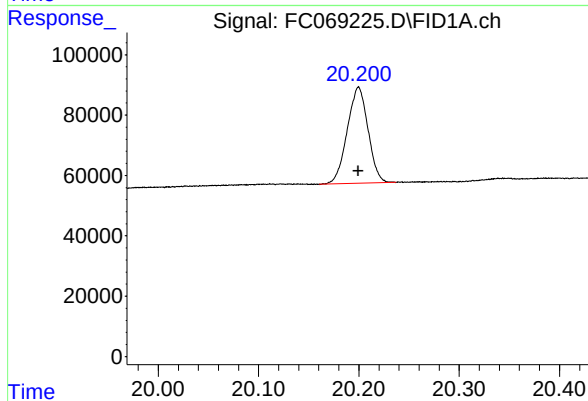
#18 n-Dotriacontane (C32)

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



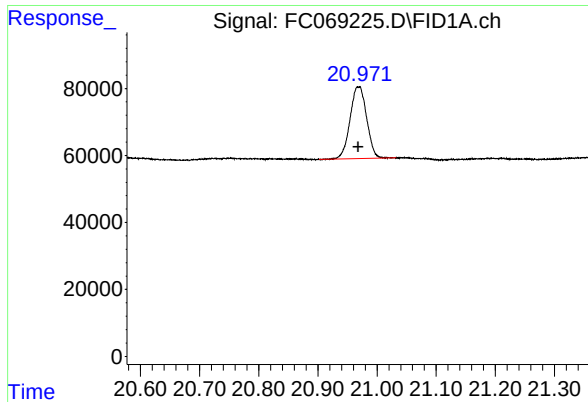
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

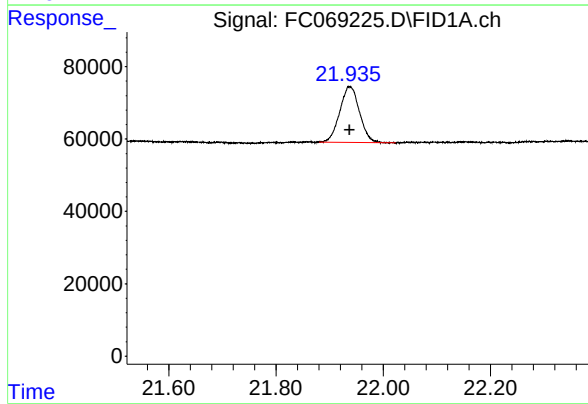
R.T.: 20.200 min
Delta R.T.: 0.000 min
Response: 459698
Conc: 5.58 ug/ml



#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

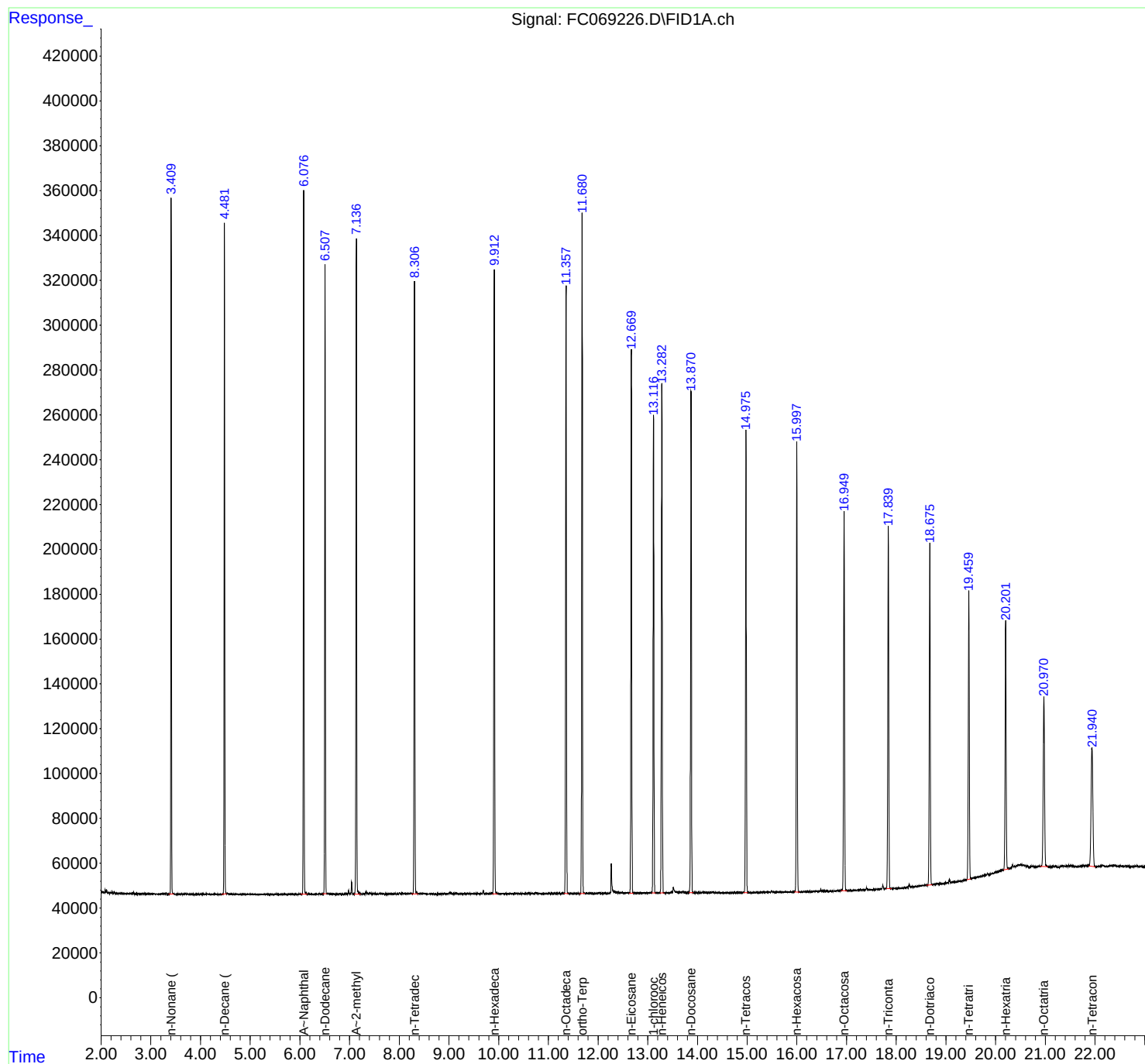
(m)=manual int.

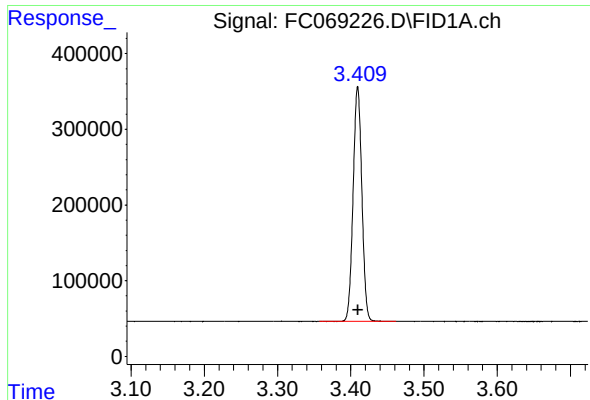
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069226.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 14:45
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

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)

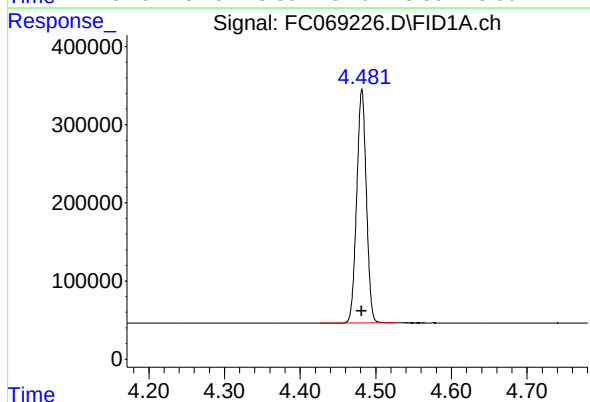
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 2571511
Conc: 18.08 ug/ml

Instrument :

FID_C

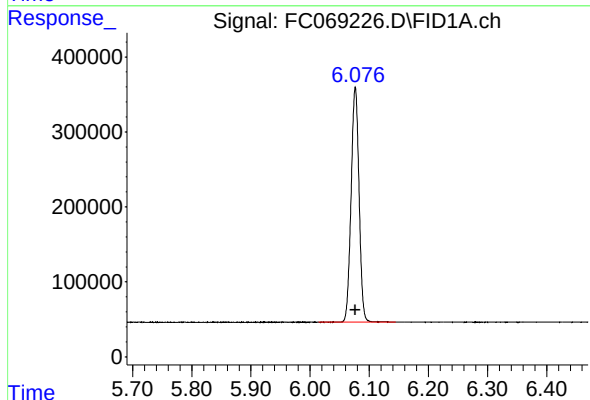
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



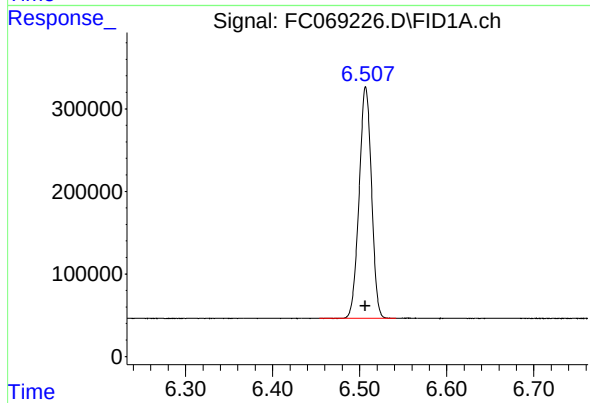
#2 n-Decane (C10)

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



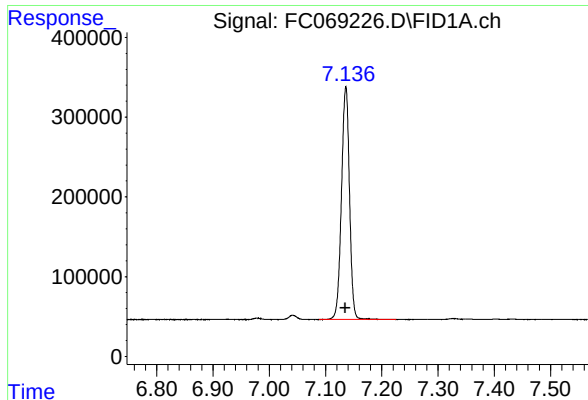
#3 A~Naphthalene (C11.7)

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)

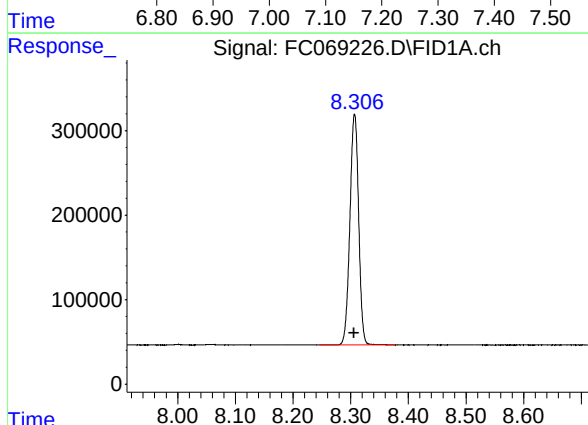
R.T.: 7.136 min
Delta R.T.: 0.000 min
Response: 2898798
Conc: 18.32 ug/ml

Instrument :

FID_C

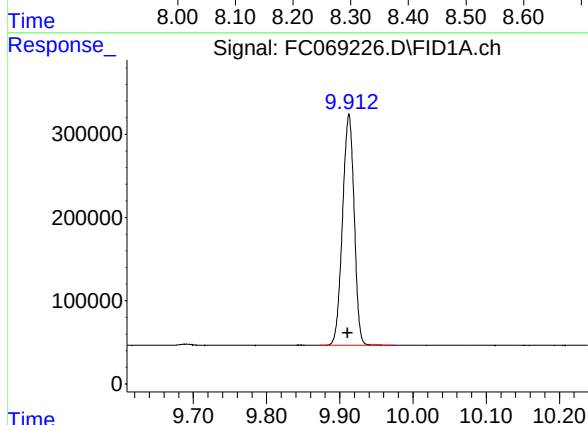
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



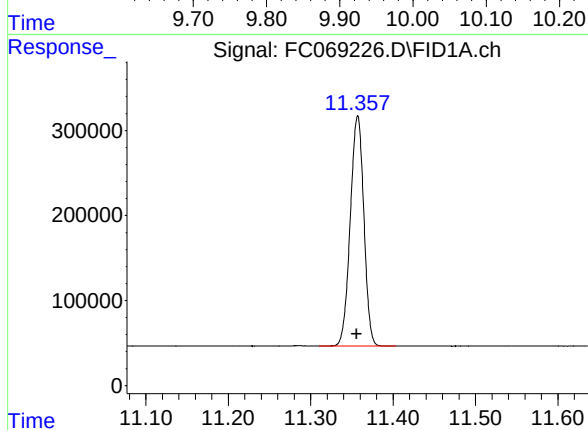
#6 n-Tetradecane (C14)

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



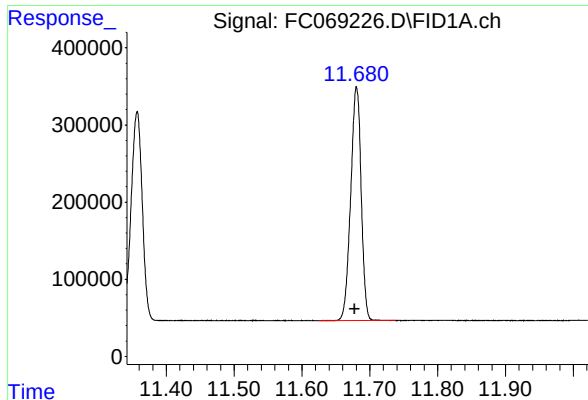
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

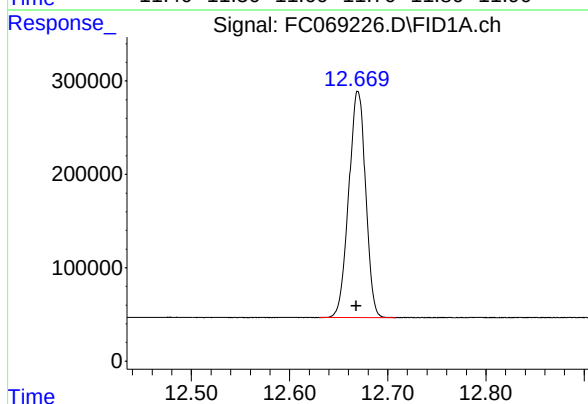
R.T.: 11.357 min
Delta R.T.: 0.001 min
Response: 3098893
Conc: 18.98 ug/ml



#9 ortho-Terphenyl (SURR)

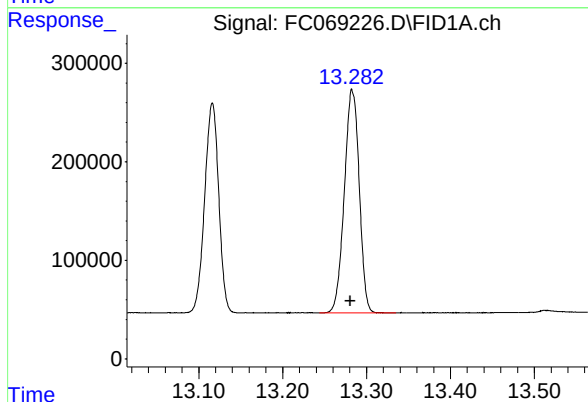
R.T.: 11.680 min
Delta R.T.: 0.003 min
Response: 3253610
Conc: 18.83 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



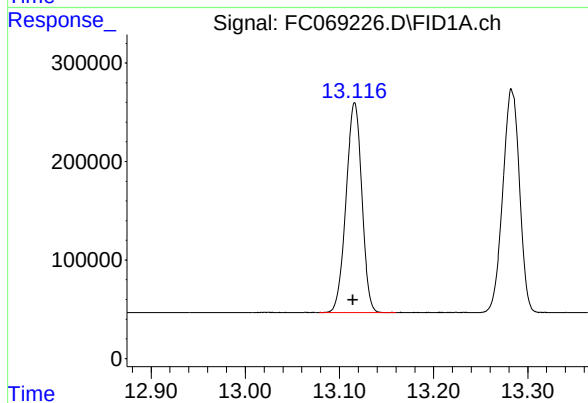
#10 n-Eicosane (C20)

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



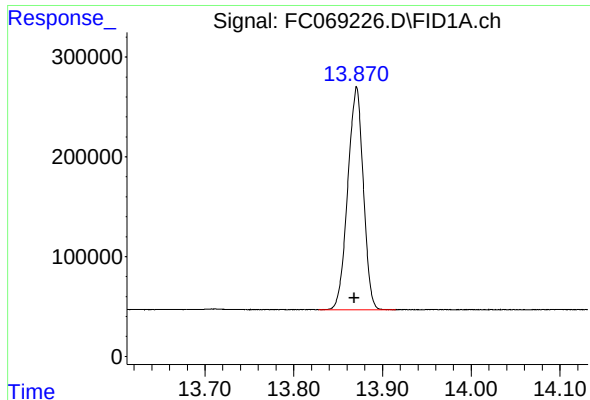
#11 n-Heneicosane (C21)

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)

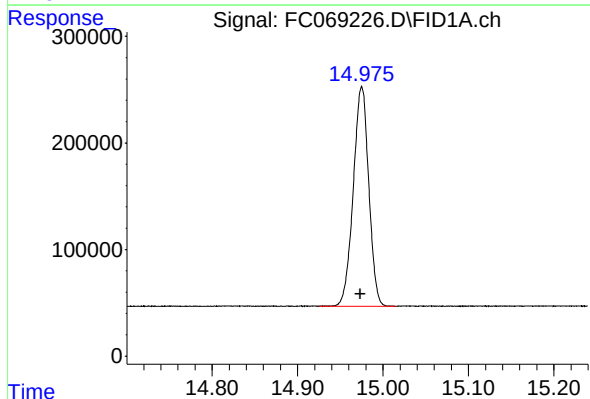
R.T.: 13.871 min
Delta R.T.: 0.002 min
Response: 2718940
Conc: 18.90 ug/ml

Instrument :

FID_C

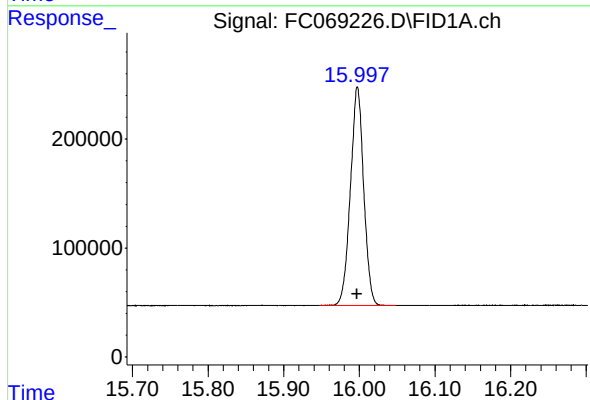
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



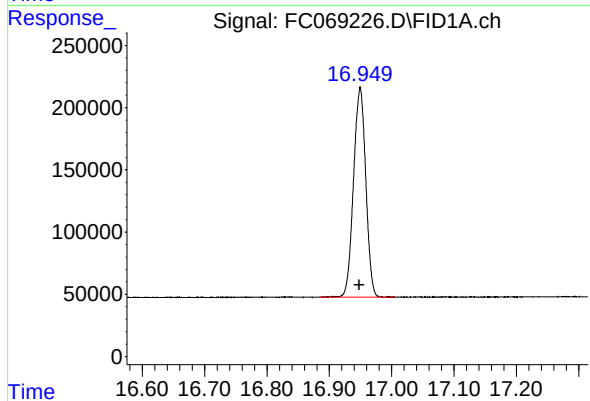
#14 n-Tetracosane (C24)

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



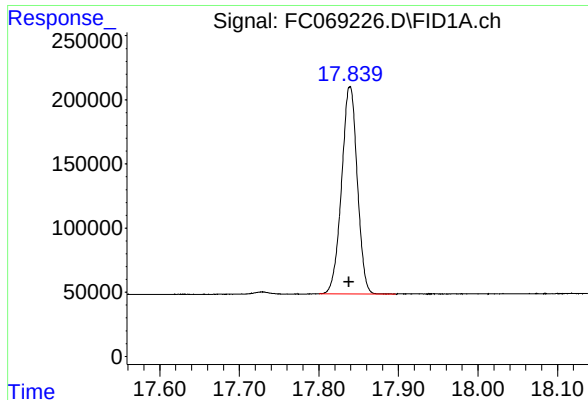
#15 n-Hexacosane (C26)

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)

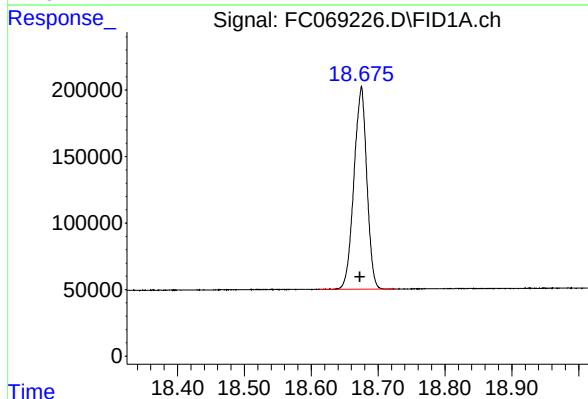
R.T.: 17.839 min
Delta R.T.: 0.001 min
Response: 2215902
Conc: 18.64 ug/ml

Instrument :

FID_C

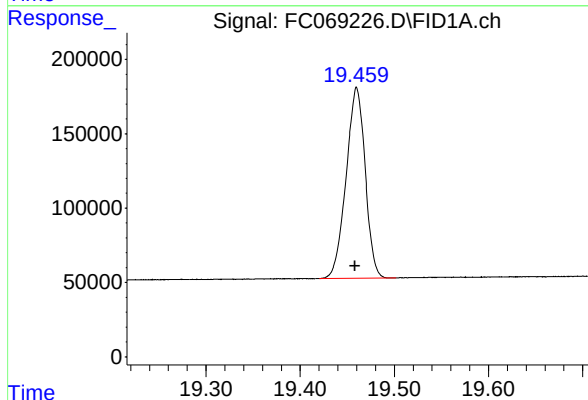
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



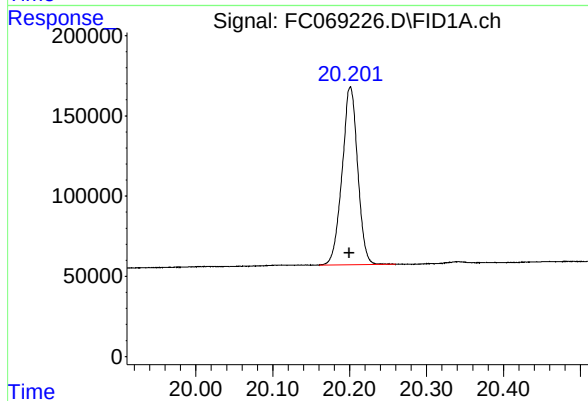
#18 n-Dotriacontane (C32)

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



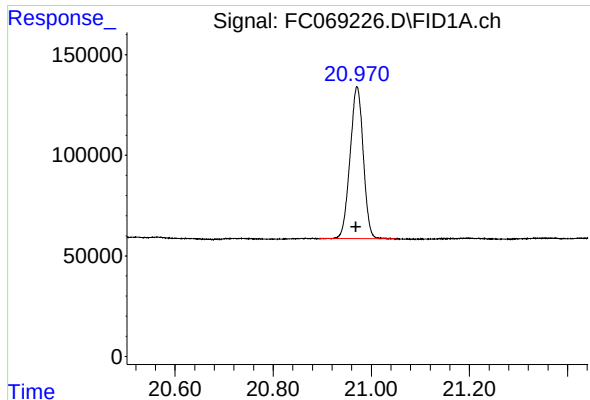
#19 n-Tetatriacontane (C34)

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



#20 n-Hexatriacontane (C36)

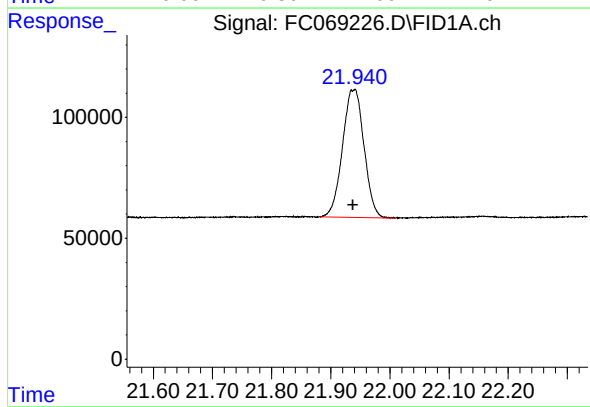
R.T.: 20.201 min
Delta R.T.: 0.001 min
Response: 1557268
Conc: 18.90 ug/ml



#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

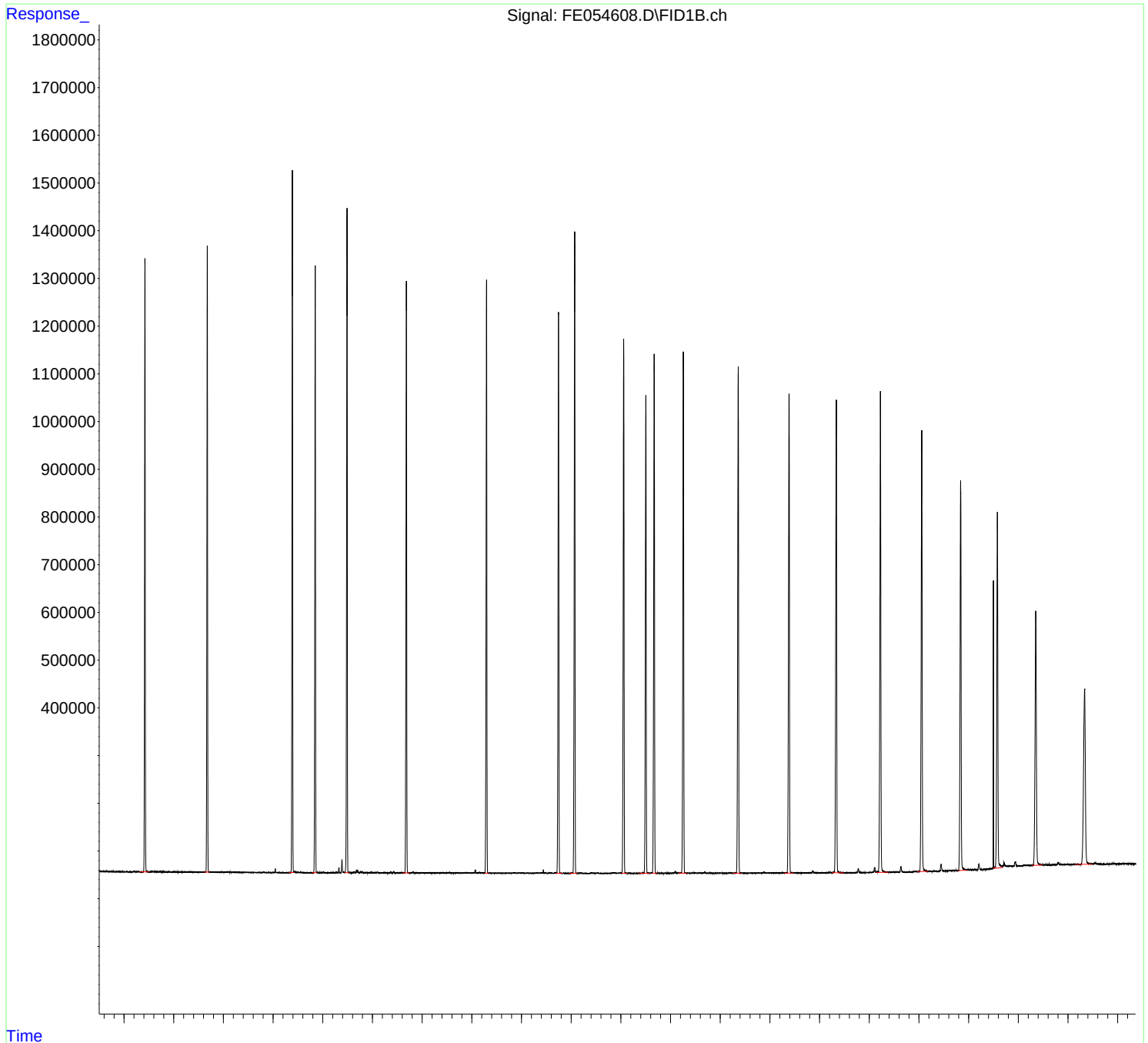
(m)=manual int.

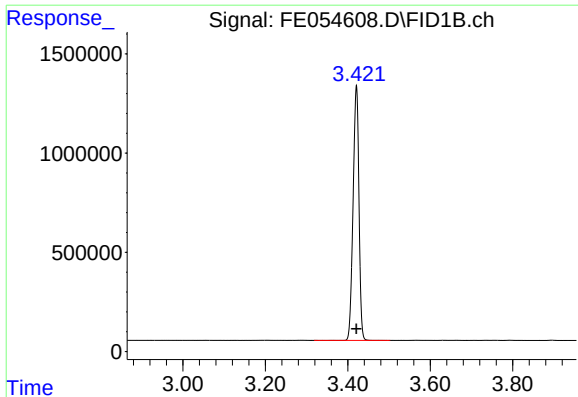
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054608.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 12:53
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

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





#1 n-Nonane (C9)

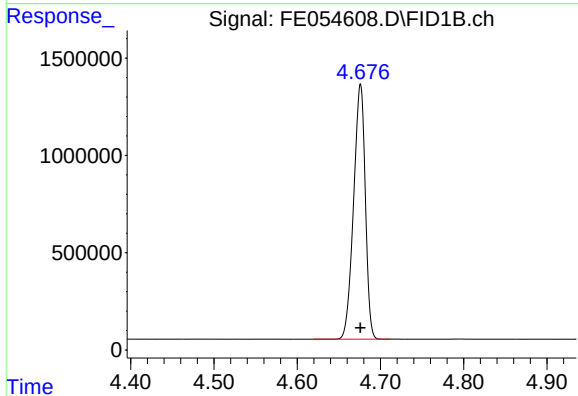
R.T.: 3.421 min
Delta R.T.: 0.000 min
Response: 12635864
Conc: 98.50 ug/ml

Instrument :

FID_E

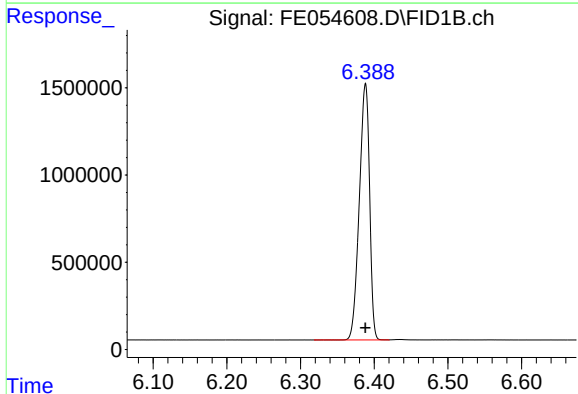
ClientSampleId :

100 PPM ALIPHATIC HC STD1



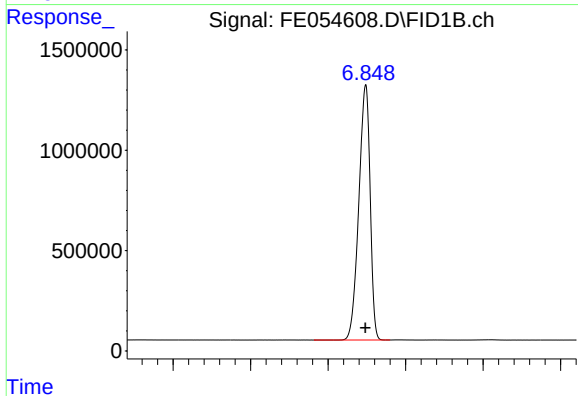
#2 n-Decane (C10)

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



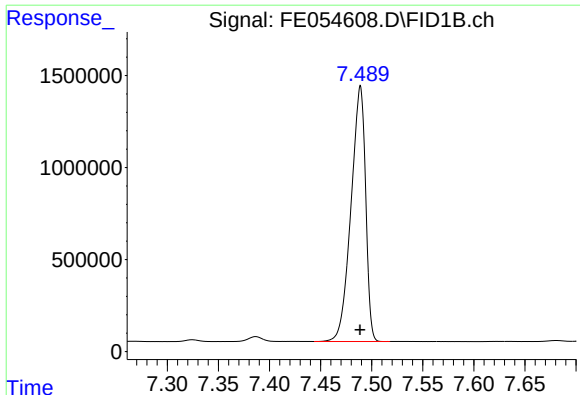
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

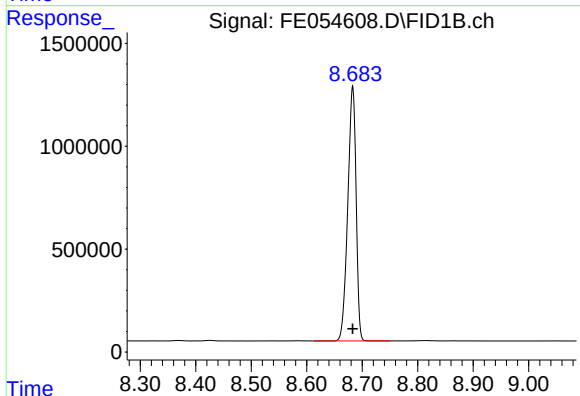
R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 12881494
Conc: 98.44 ug/ml



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

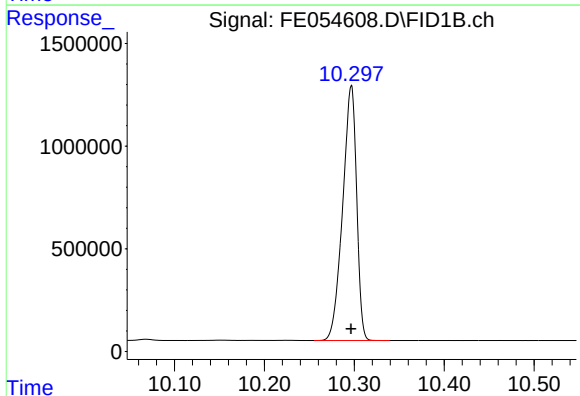
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 13806245
Conc: 98.39 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



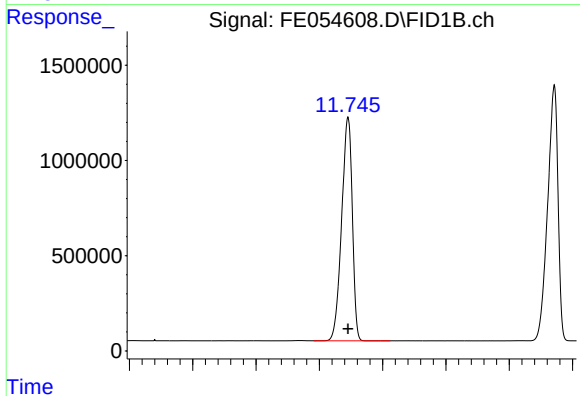
#6 n-Tetradecane (C14)

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



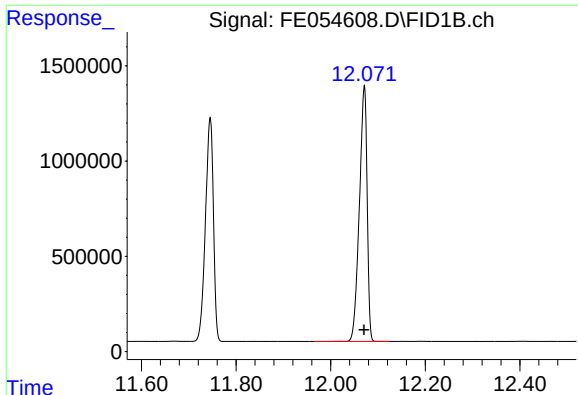
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

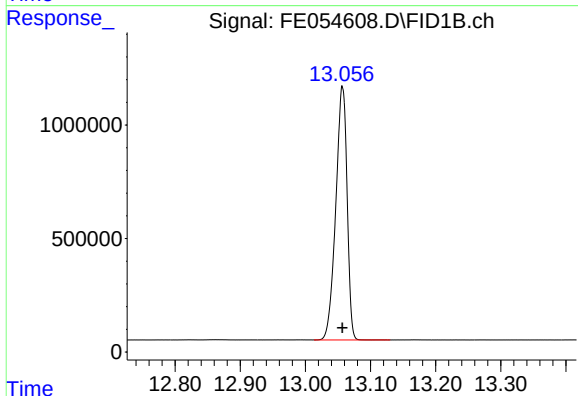
R.T.: 11.745 min
Delta R.T.: 0.000 min
Response: 13738504
Conc: 98.38 ug/ml



#9 ortho-Terphenyl (SURR)

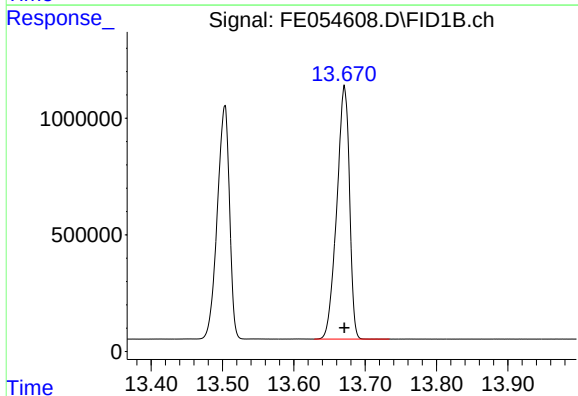
R.T.: 12.071 min
Delta R.T.: 0.000 min
Response: 15261711
Conc: 98.32 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



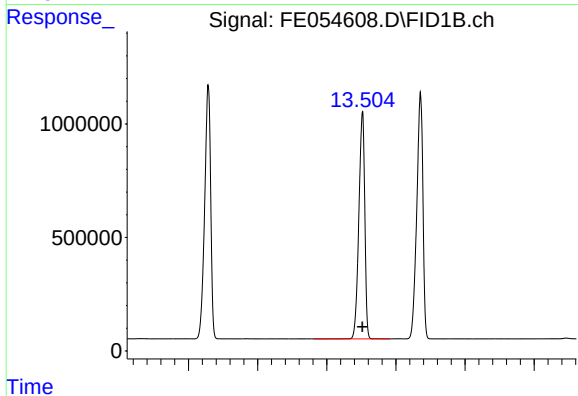
#10 n-Eicosane (C20)

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



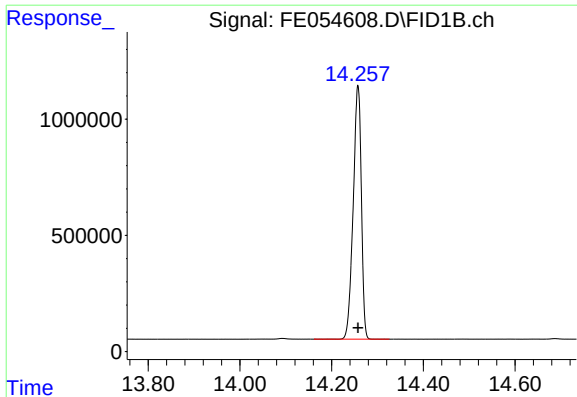
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

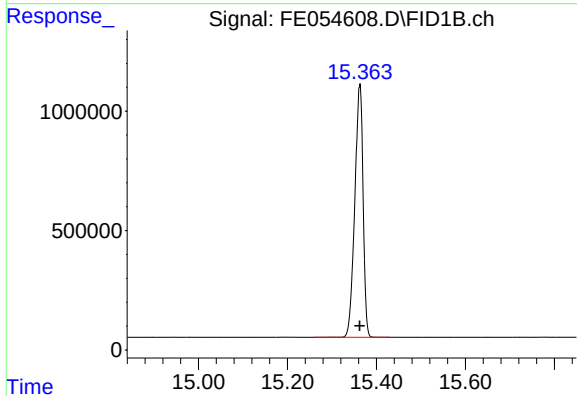
R.T.: 13.503 min
Delta R.T.: 0.000 min
Response: 11912385
Conc: 98.56 ug/ml



#13 n-Docosane (C22)

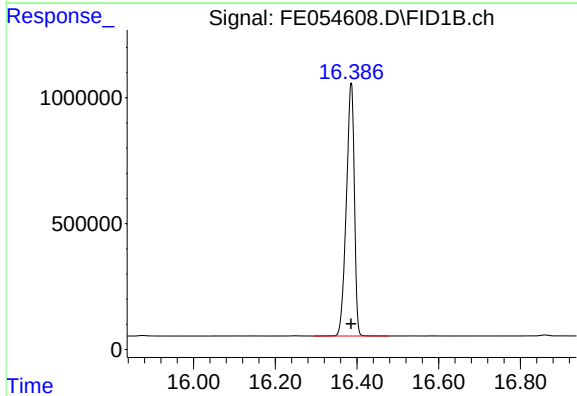
R.T.: 14.257 min
Delta R.T.: 0.000 min
Response: 13479858
Conc: 98.59 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



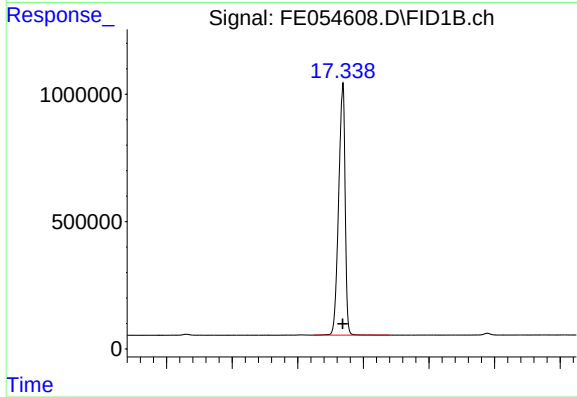
#14 n-Tetracosane (C24)

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



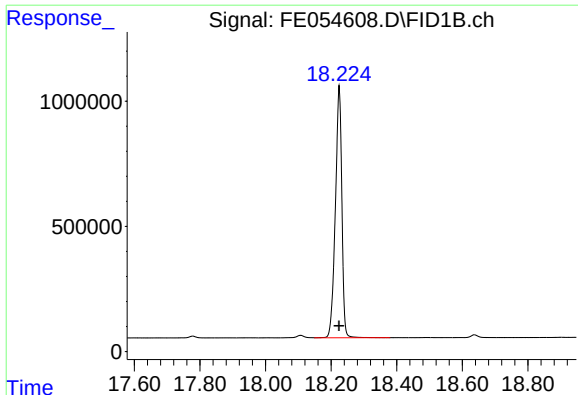
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

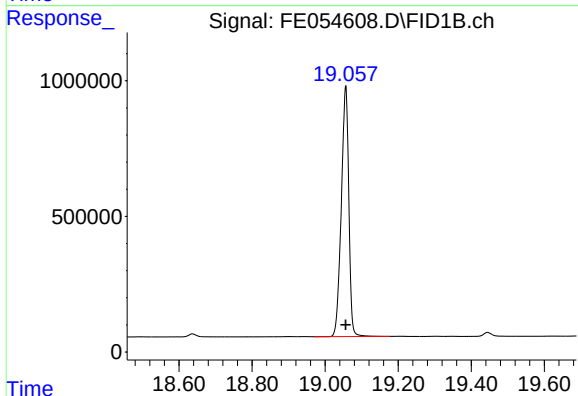
R.T.: 17.337 min
Delta R.T.: 0.000 min
Response: 13551138
Conc: 98.10 ug/ml



#17 n-Tricontane (C30)

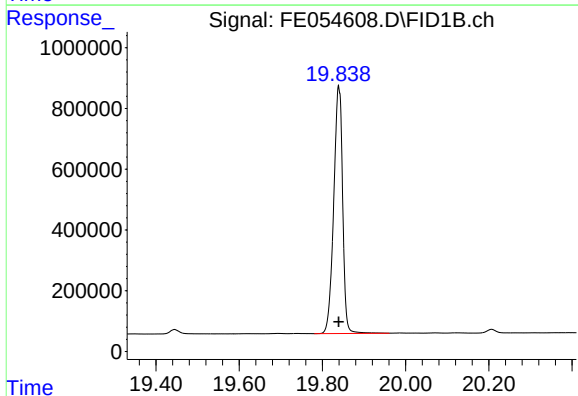
R.T.: 18.224 min
Delta R.T.: 0.000 min
Response: 13754161
Conc: 95.72 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



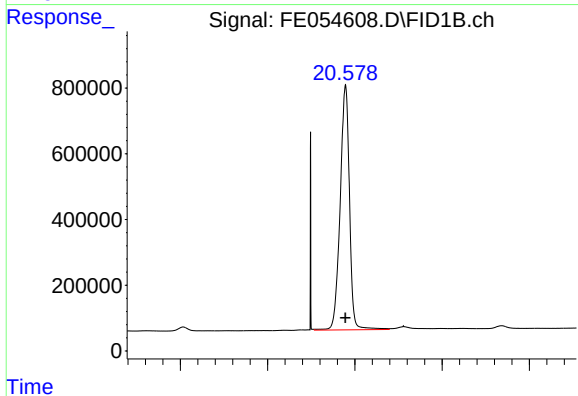
#18 n-Dotriacontane (C32)

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



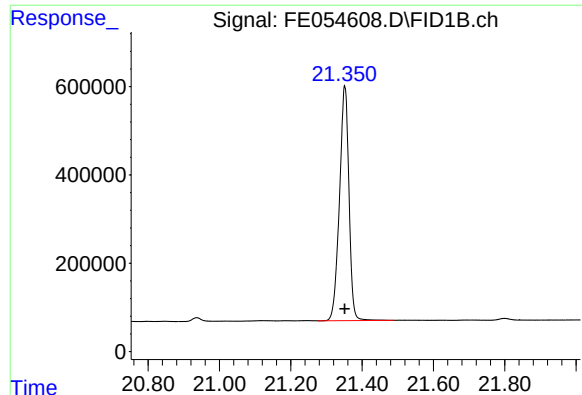
#19 n-Tetratriacontane (C34)

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)

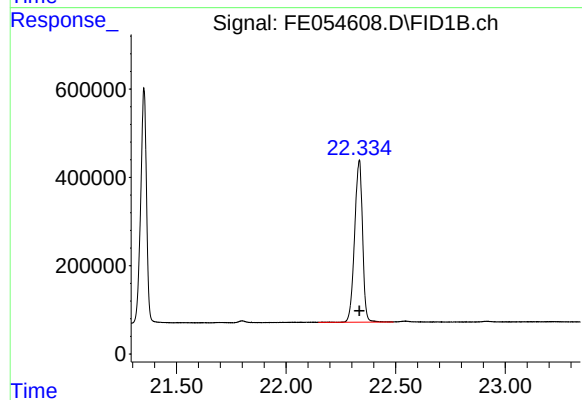
R.T.: 21.352 min
Delta R.T.: 0.000 min
Response: 9810489
Conc: 94.26 ug/ml

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

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

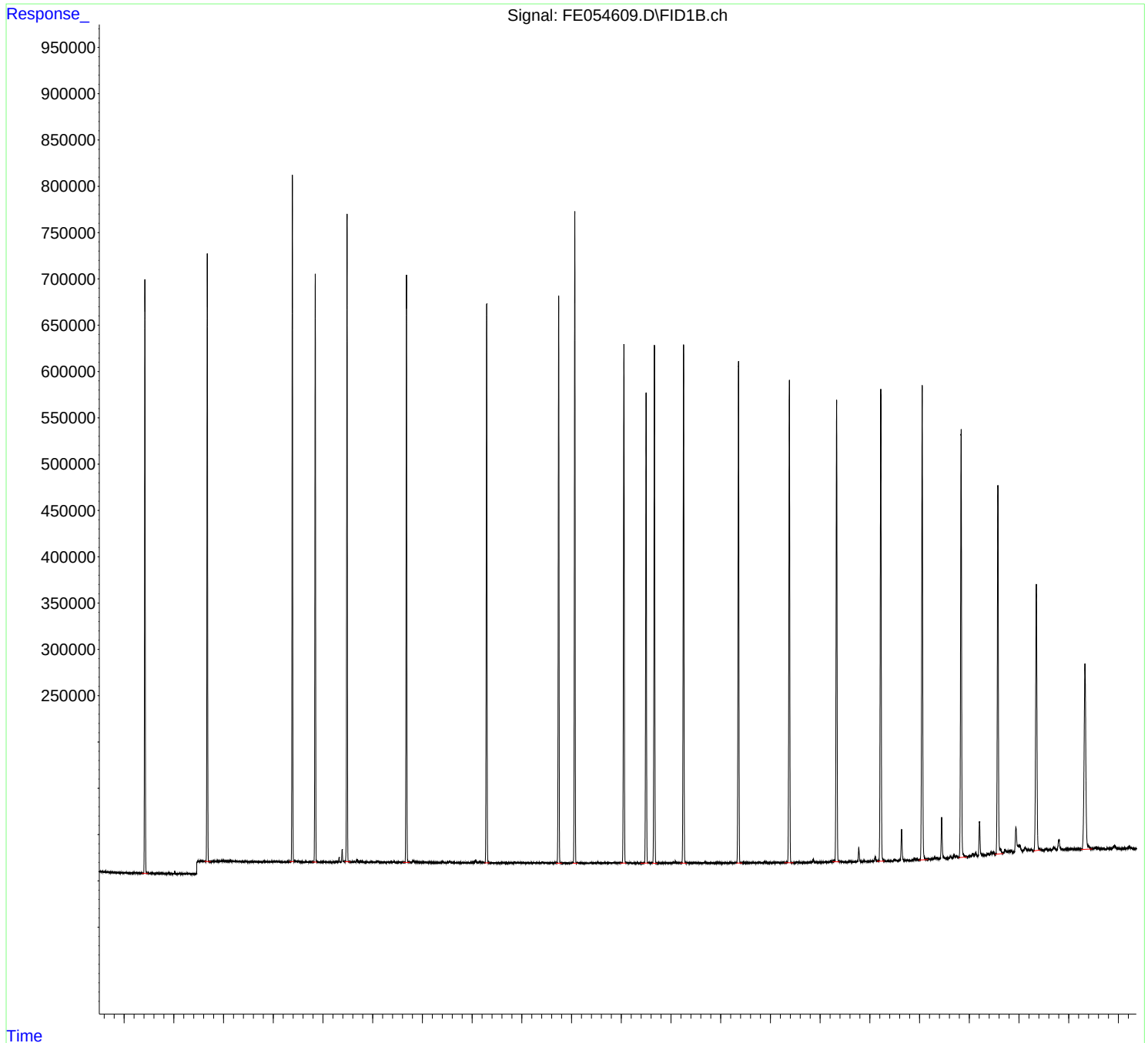
Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

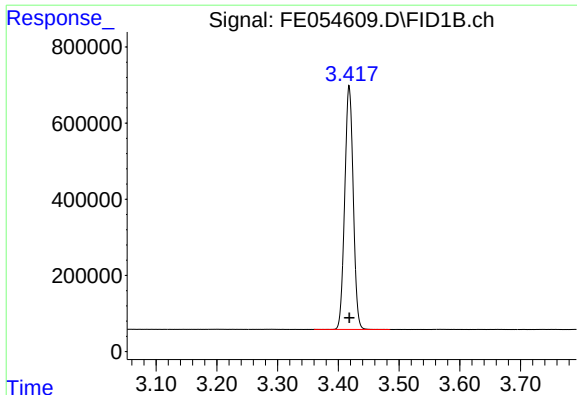
Manual Integrations
APPROVED

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





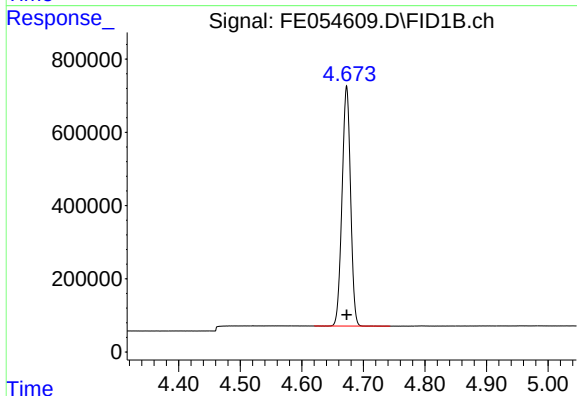
#1 n-Nonane (C9)

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

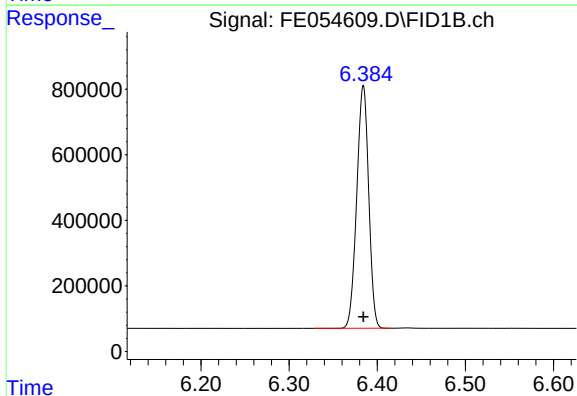
Manual Integrations
APPROVED

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



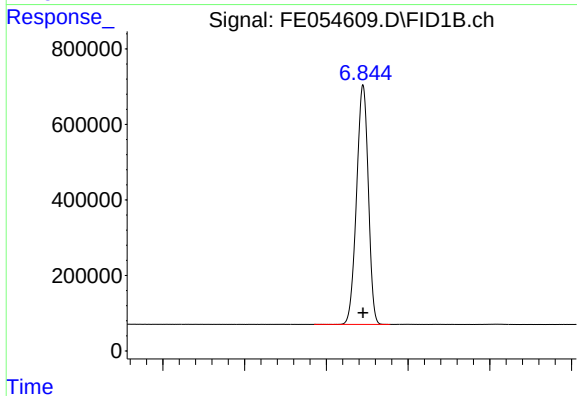
#2 n-Decane (C10)

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



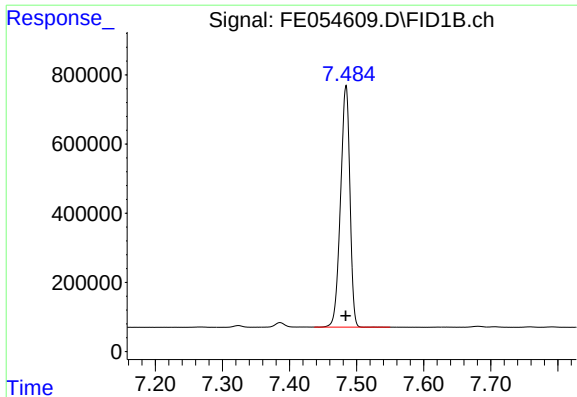
#3 A~Naphthalene (C11.7)

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



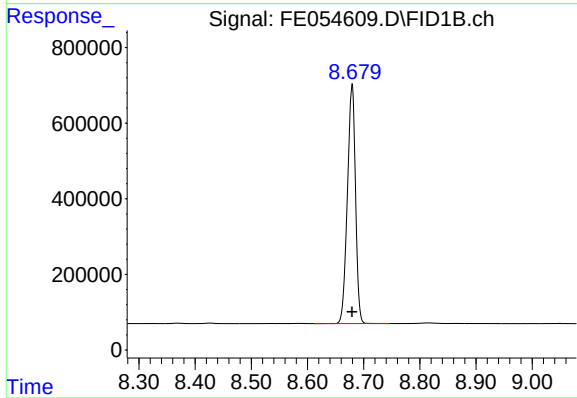
#5 A~2-methylnaphthalene (C12.89)

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

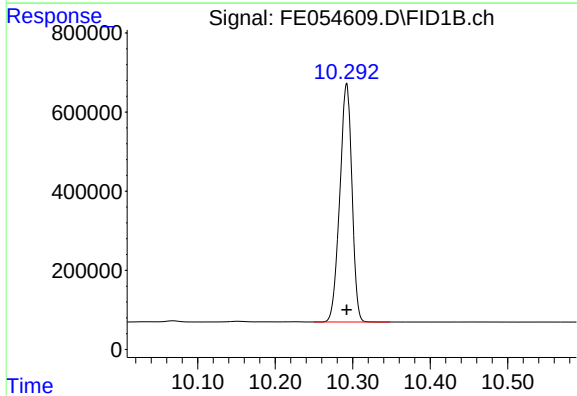
Manual Integrations
APPROVED

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



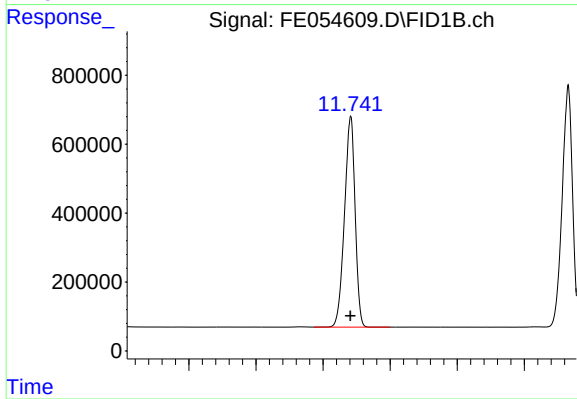
#6 n-Tetradecane (C14)

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



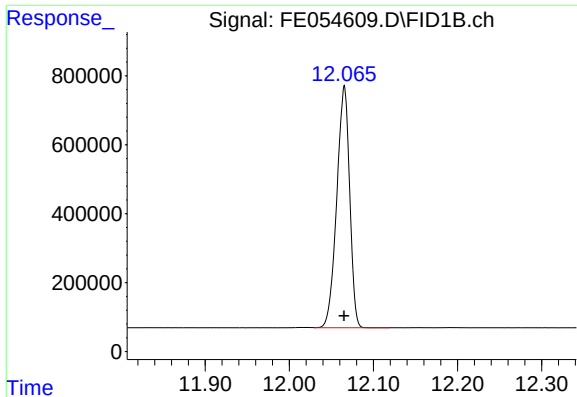
#7 n-Hexadecane (C16)

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



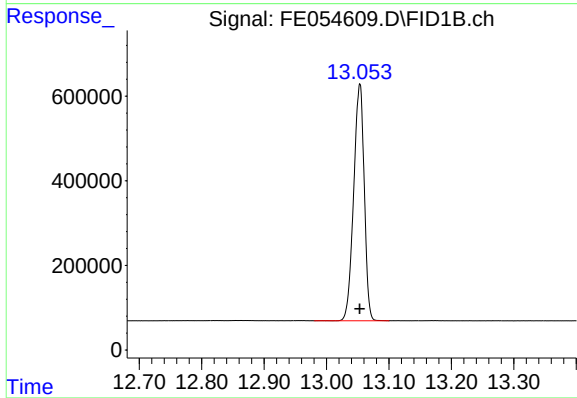
#9 ortho-Terphenyl (SURR)

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

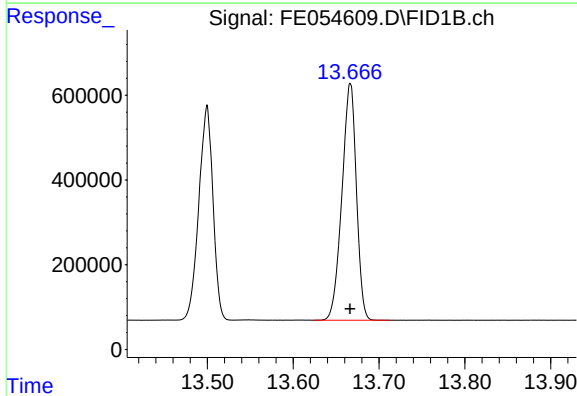
Manual Integrations
APPROVED

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



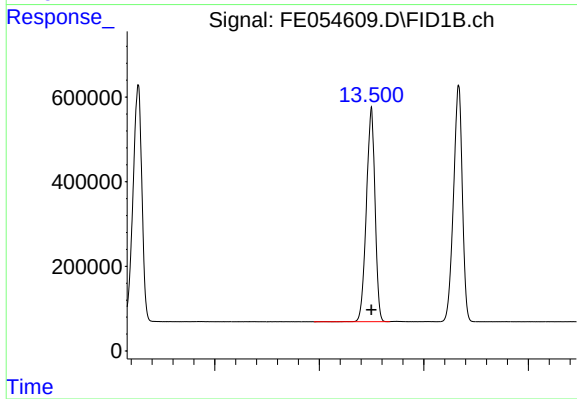
#10 n-Eicosane (C20)

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



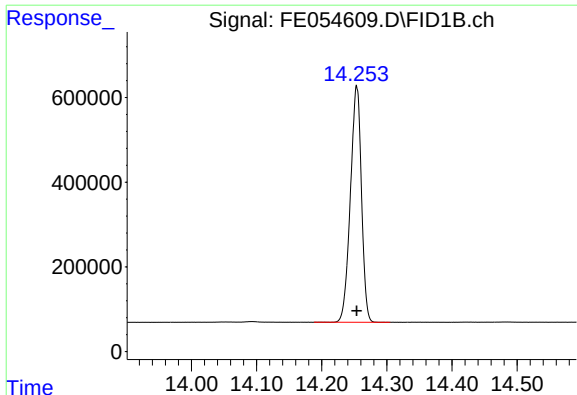
#11 n-Heneicosane (C21)

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



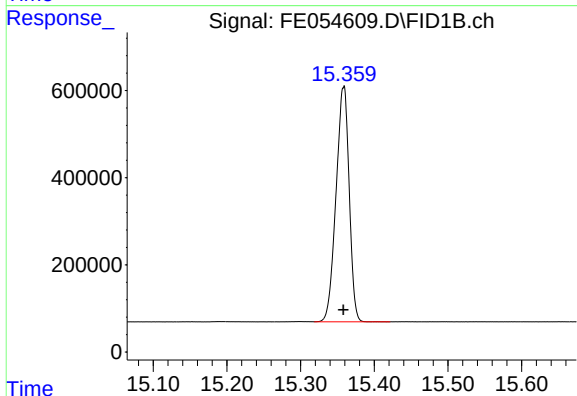
#13 n-Docosane (C22)

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

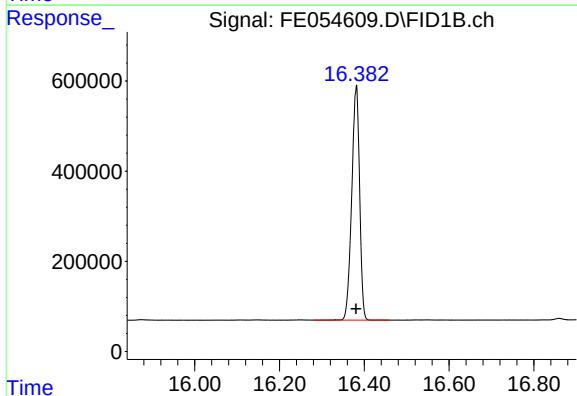
Manual Integrations
APPROVED

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



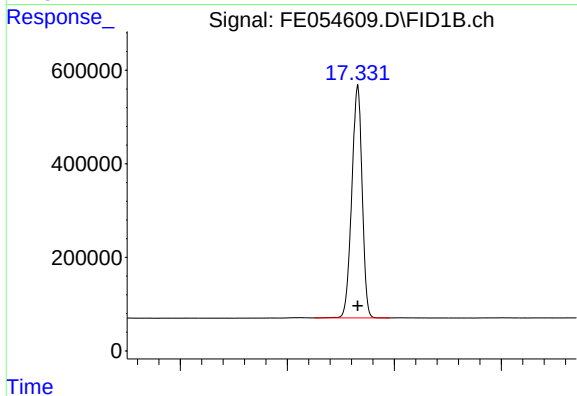
#14 n-Tetracosane (C24)

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



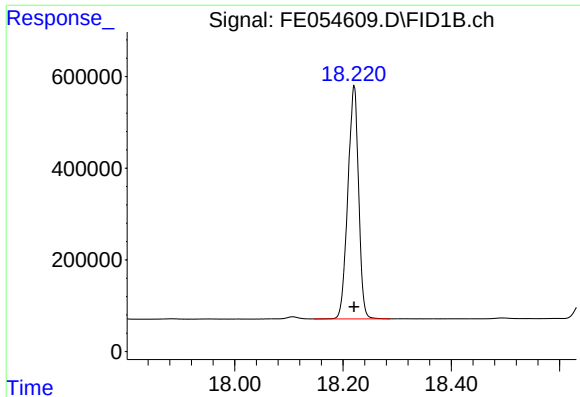
#15 n-Hexacosane (C26)

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



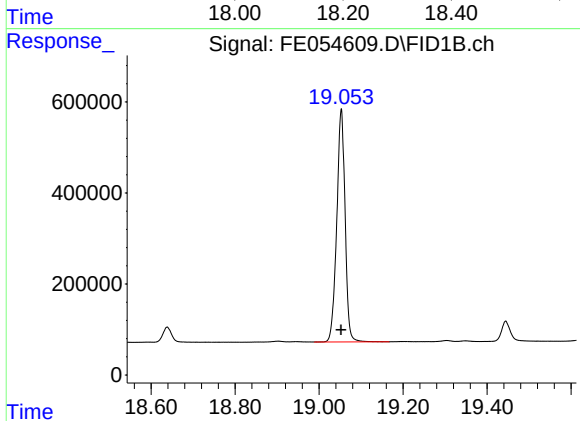
#17 n-Tricontane (C30)

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

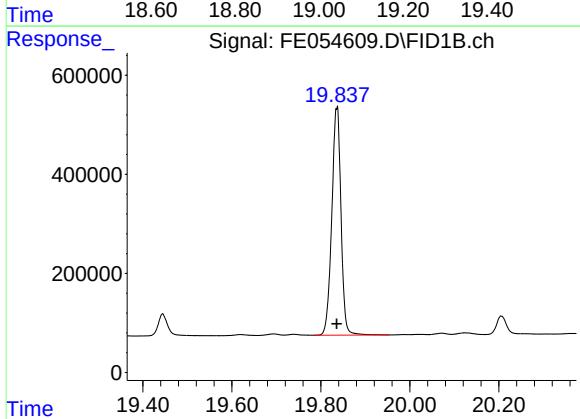
Manual Integrations
APPROVED

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



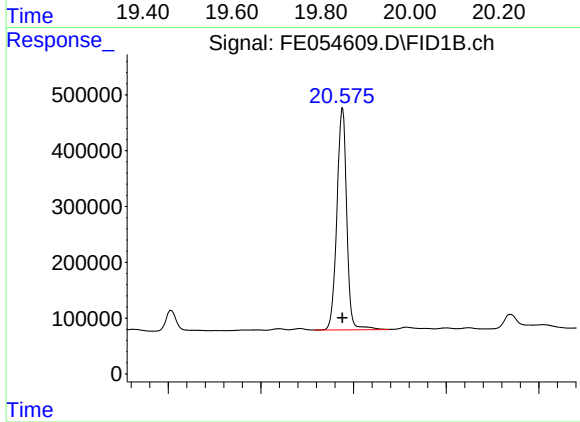
#18 n-Dotriacontane (C32)

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



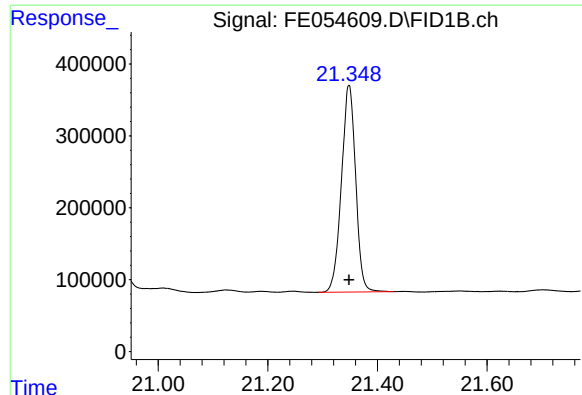
#19 n-Tetratriacontane (C34)

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



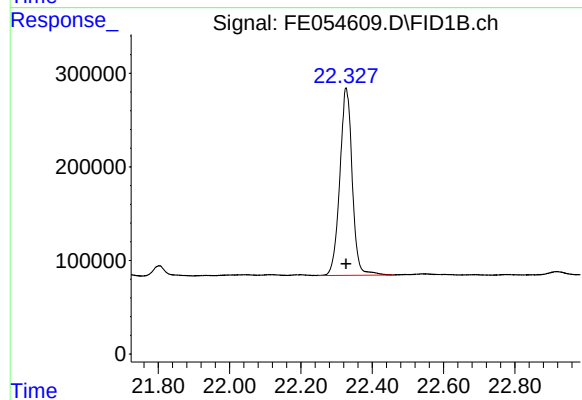
#21 n-Octatriacontane (C38)

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

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\

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

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

Instrument :

FID_E

LabSampleId :

50 PPM ALIPHATIC HC STD2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/30/2025

Supervised By :mohammad ahmed 06/30/2025

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

Instrument :

FID_E

LabSampleId :

50 PPM ALIPHATIC HC STD2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/30/2025

Supervised By :mohammad ahmed 06/30/2025

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

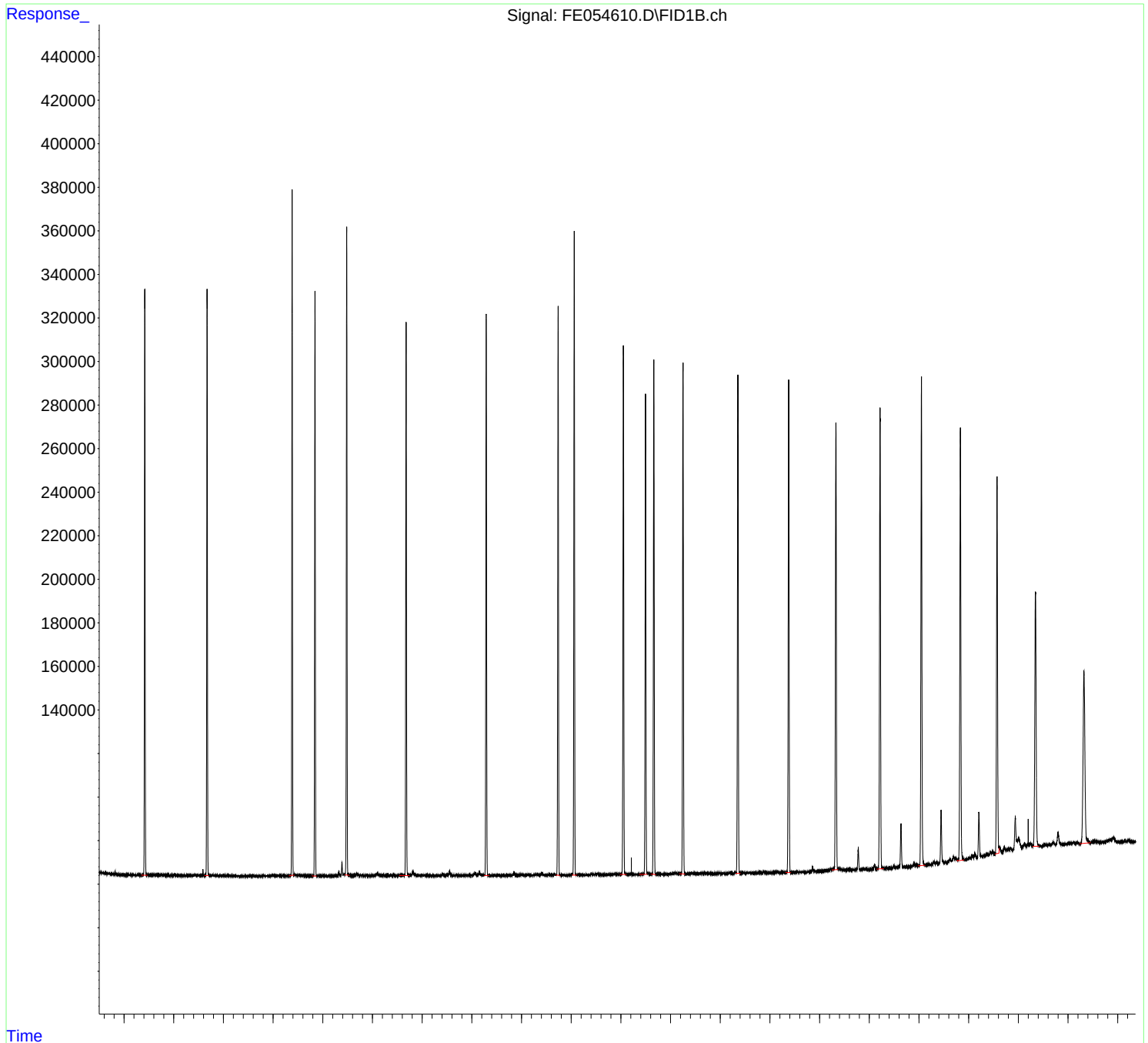
(m)=manual int.

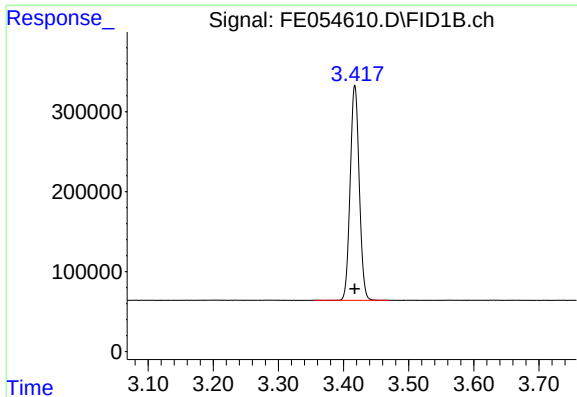
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054610.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 13:53
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

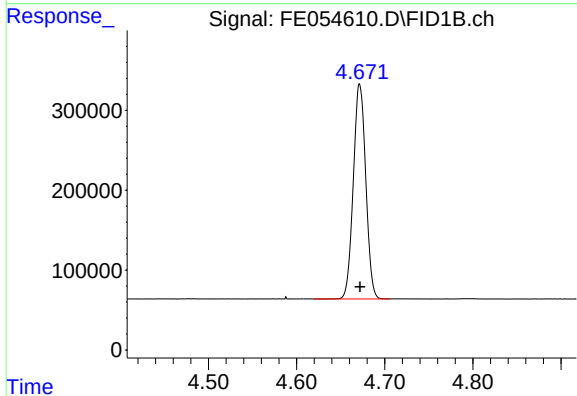




#1 n-Nonane (C9)

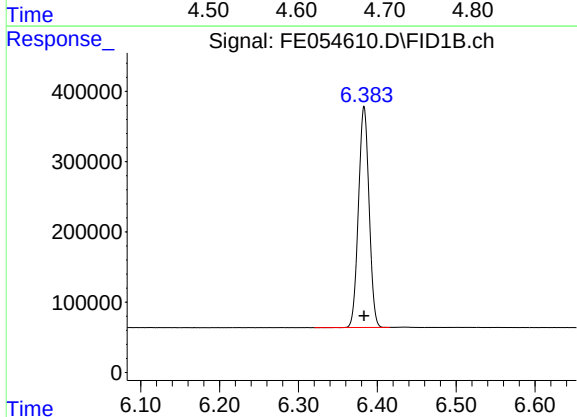
R.T.: 3.417 min
Delta R.T.: 0.000 min
Response: 2604070
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



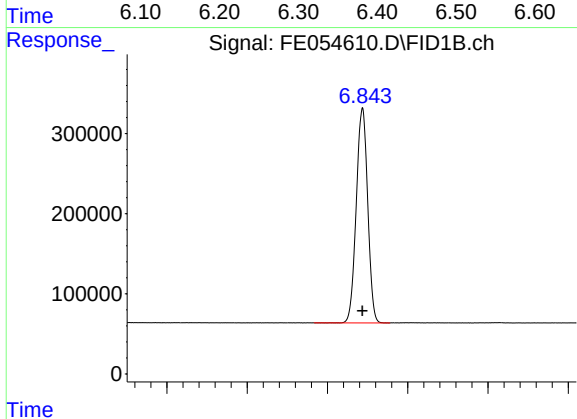
#2 n-Decane (C10)

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



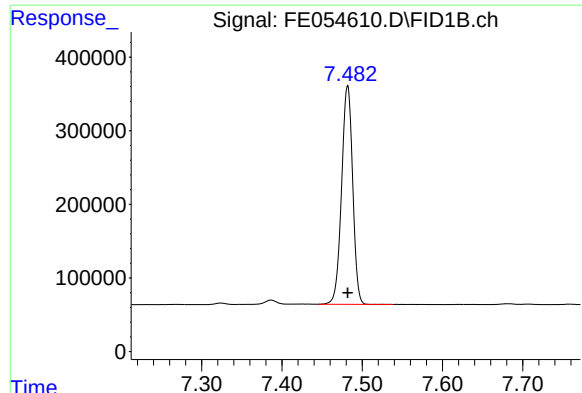
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

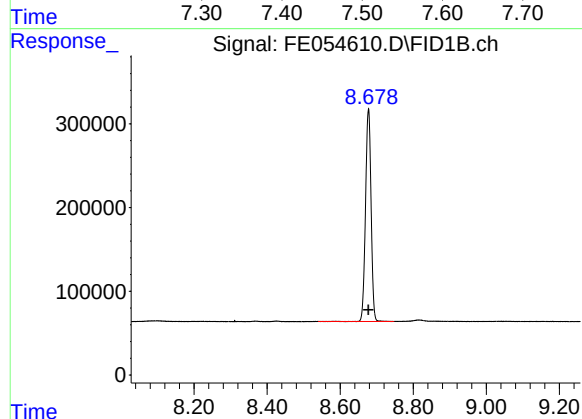
R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 2657748
Conc: 20.00 ug/ml



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

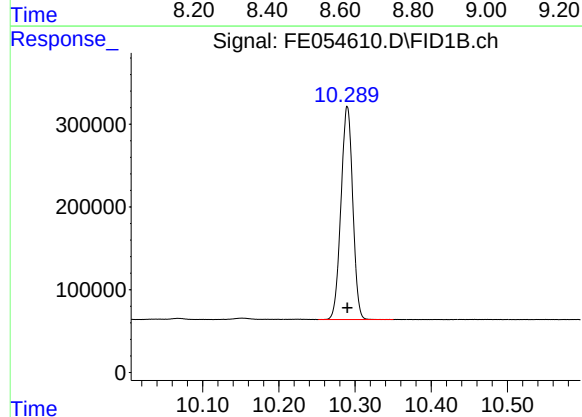
R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 2851436
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



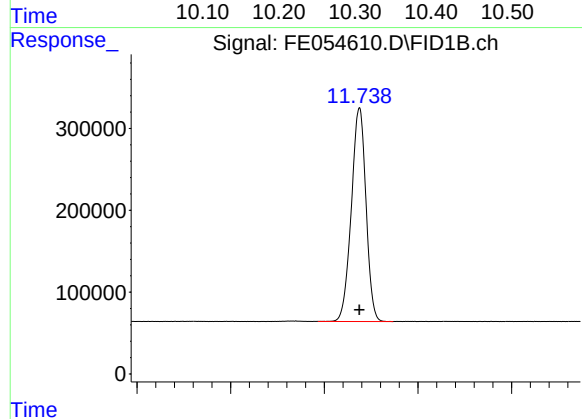
#6 n-Tetradecane (C14)

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



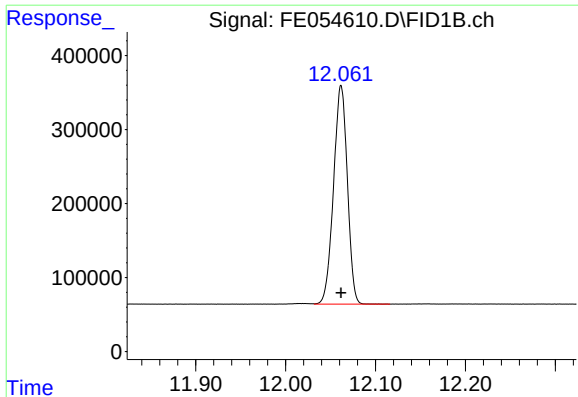
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

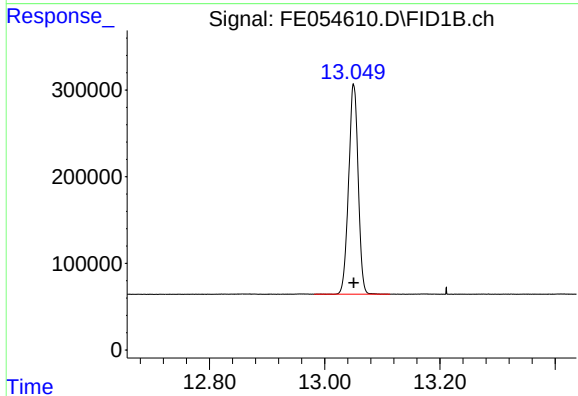
R.T.: 11.737 min
Delta R.T.: 0.000 min
Response: 2838043
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

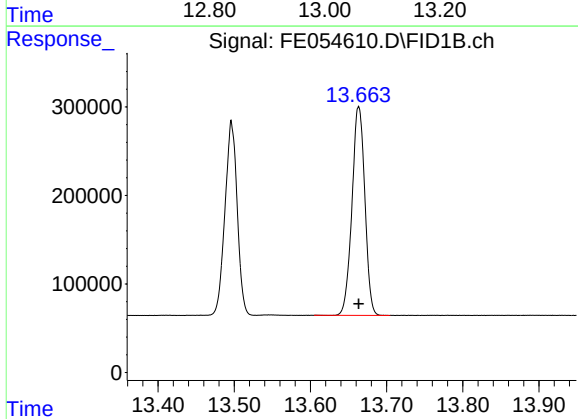
R.T.: 12.062 min
Delta R.T.: 0.000 min
Response: 3156943
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



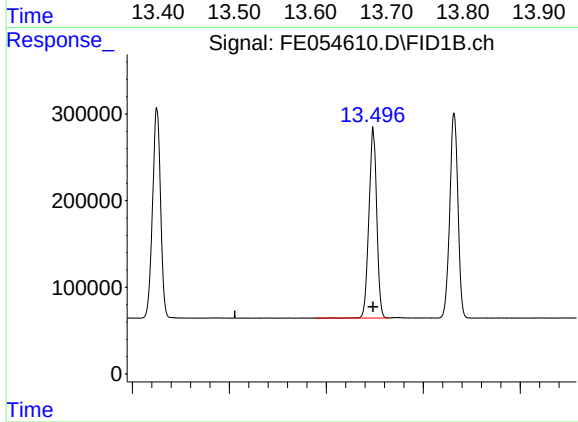
#10 n-Eicosane (C20)

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



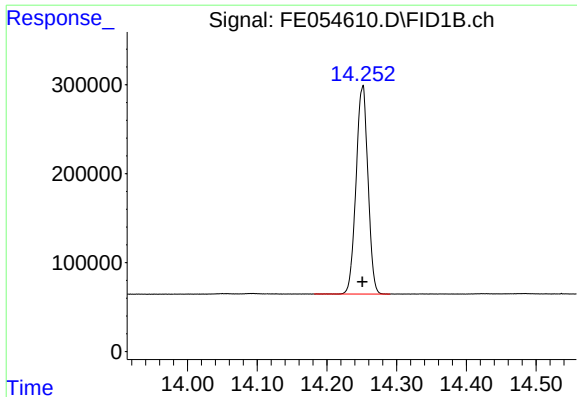
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

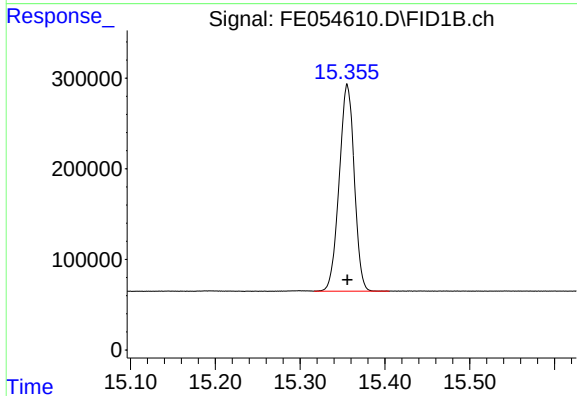
R.T.: 13.497 min
Delta R.T.: 0.000 min
Response: 2452207
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

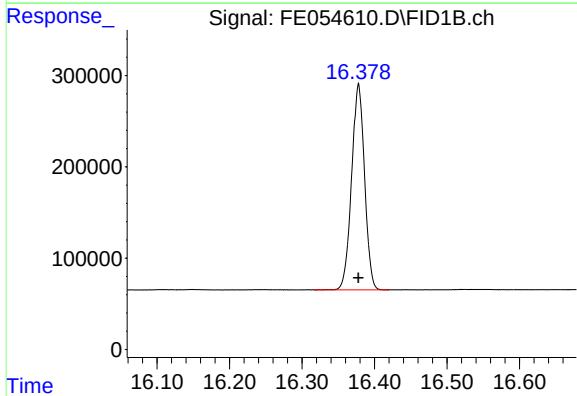
R.T.: 14.251 min
Delta R.T.: 0.000 min
Response: 2773055
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



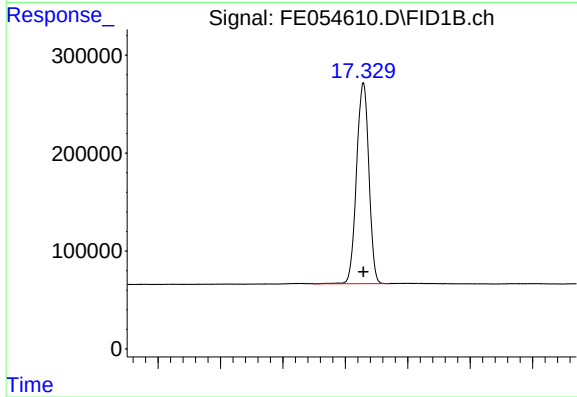
#14 n-Tetracosane (C24)

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



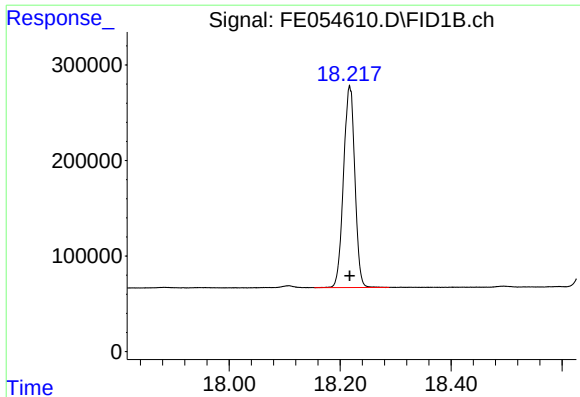
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

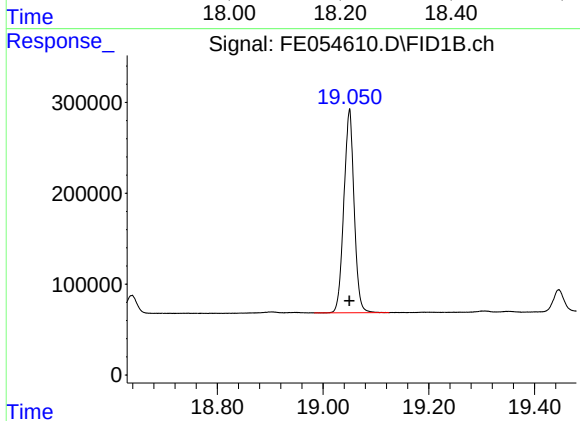
R.T.: 17.329 min
Delta R.T.: 0.000 min
Response: 2814947
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

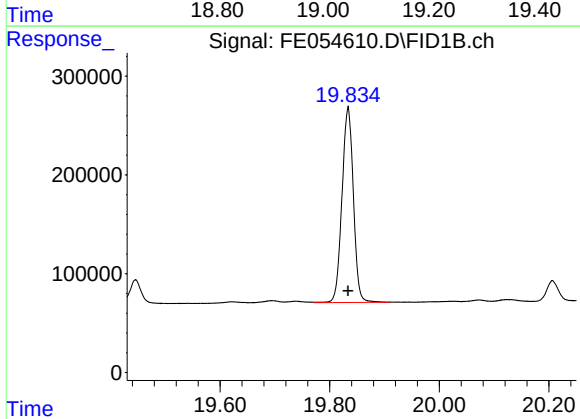
R.T.: 18.217 min
Delta R.T.: 0.000 min
Response: 2997062
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



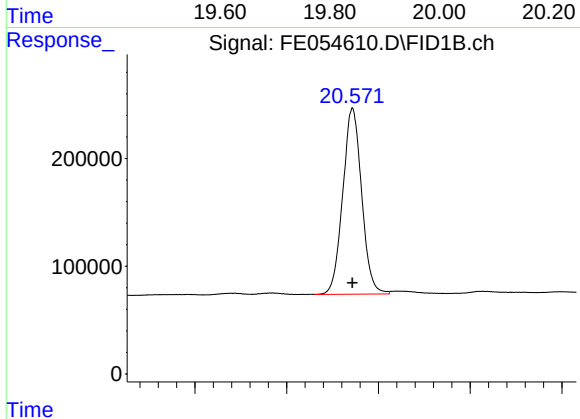
#18 n-Dotriacontane (C32)

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



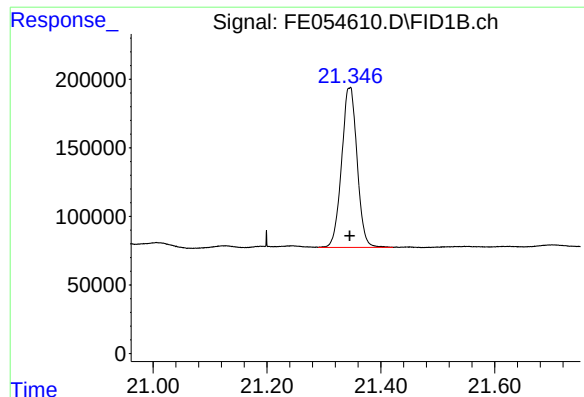
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

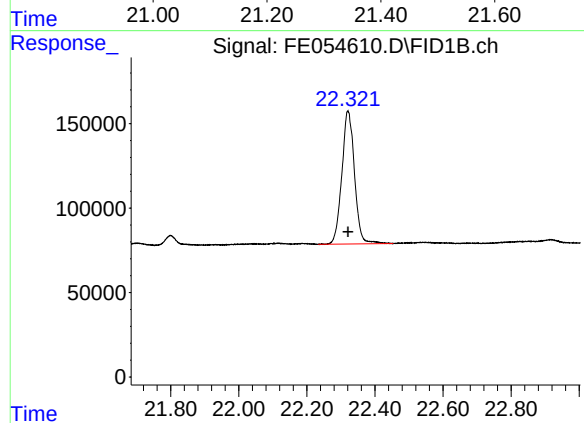
R.T.: 20.572 min
Delta R.T.: 0.000 min
Response: 2473790
Conc: 20.00 ug/ml



#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

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

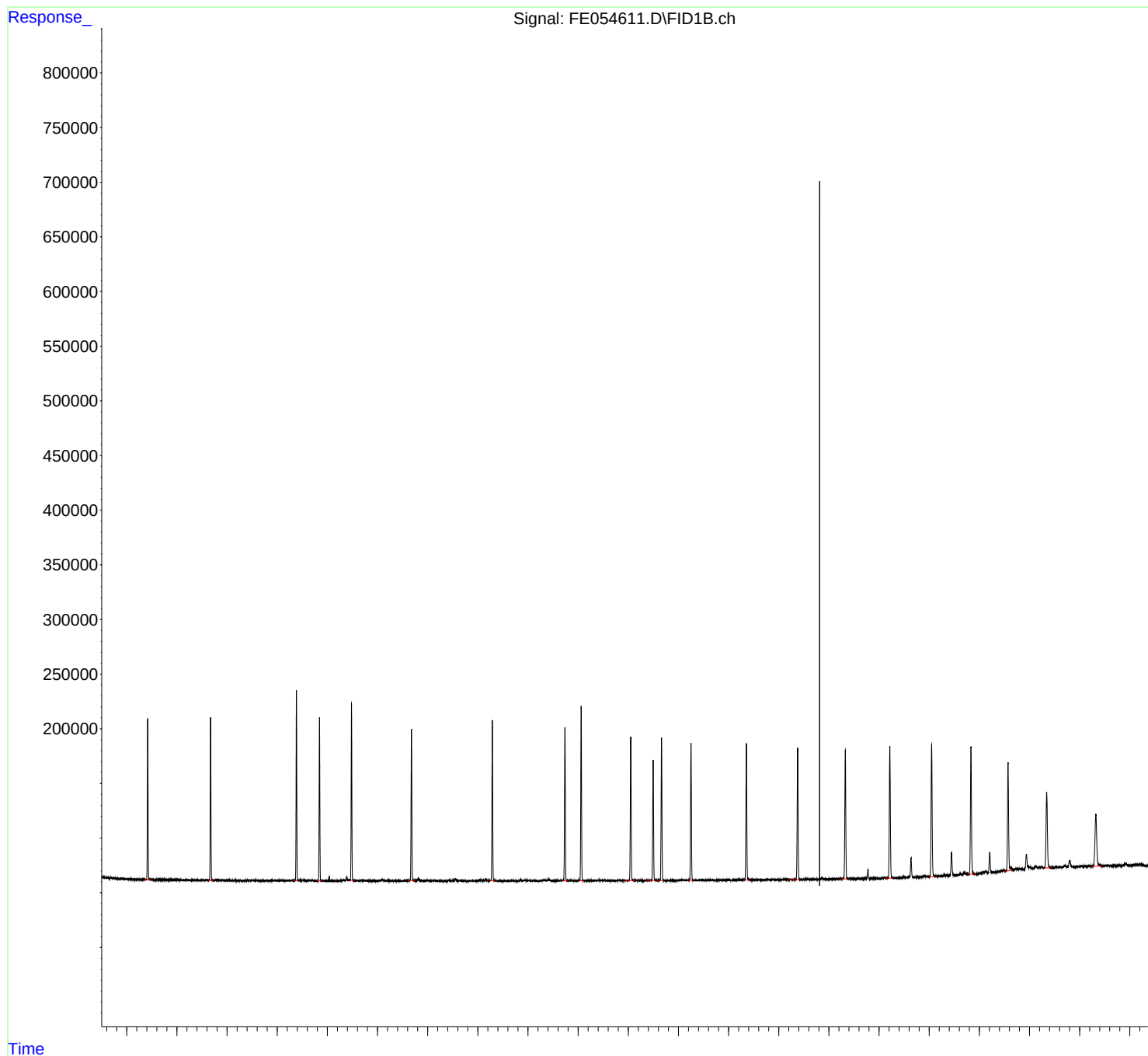
(m)=manual int.

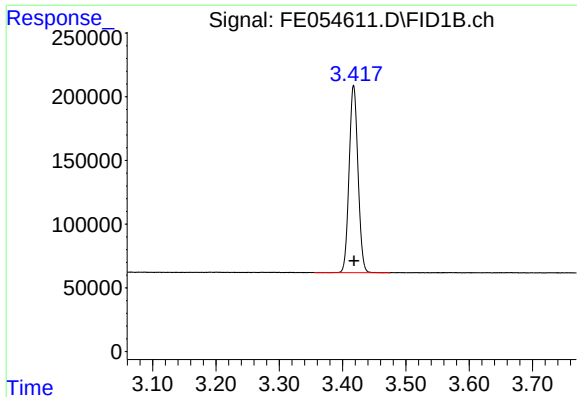
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054611.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 14:23
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

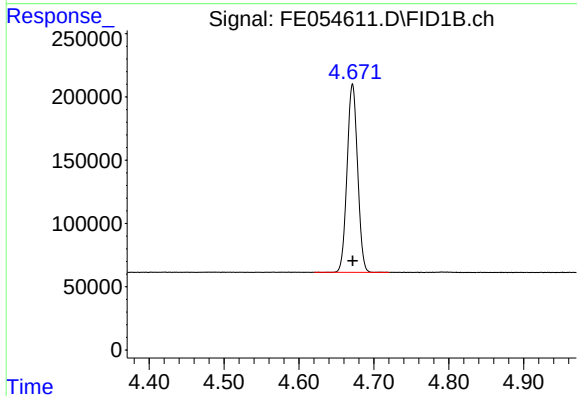




#1 n-Nonane (C9)

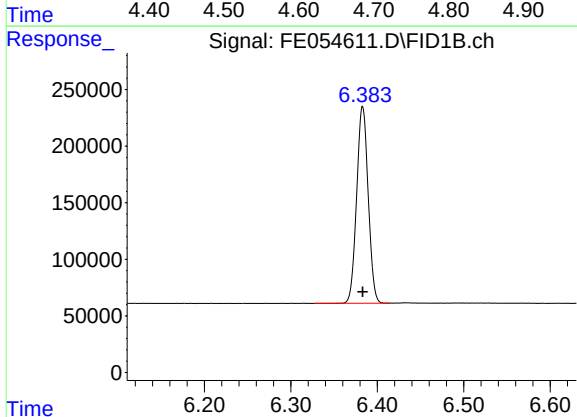
R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 1430994
Conc: 10.92 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



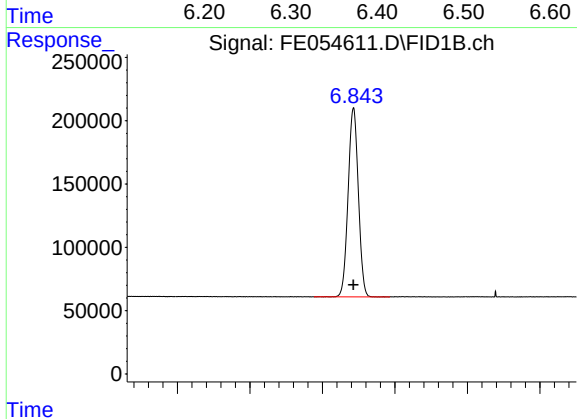
#2 n-Decane (C10)

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



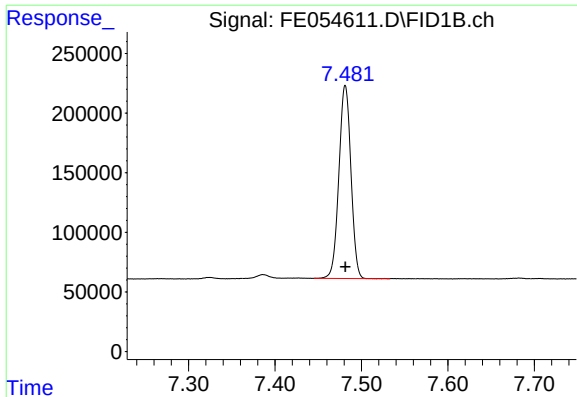
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

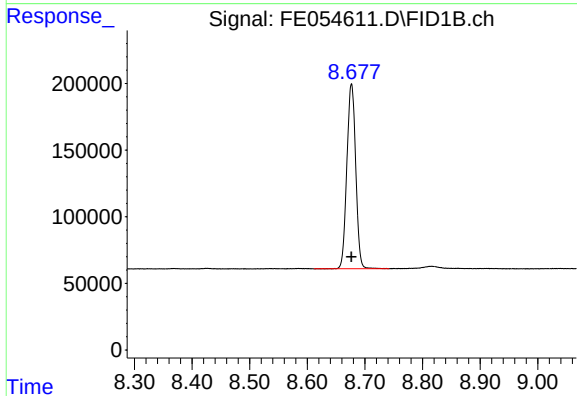
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 1461644
Conc: 10.94 ug/ml



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

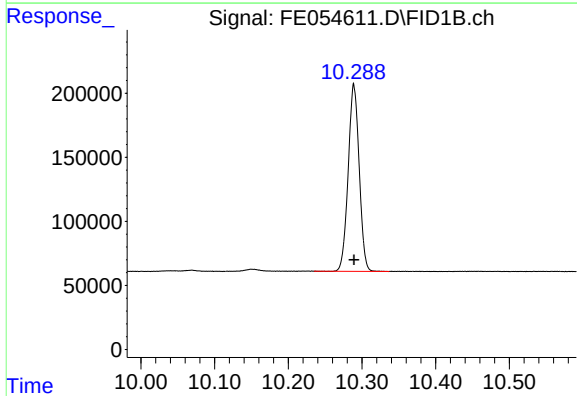
R.T.: 7.481 min
Delta R.T.: 0.000 min
Response: 1563539
Conc: 10.92 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



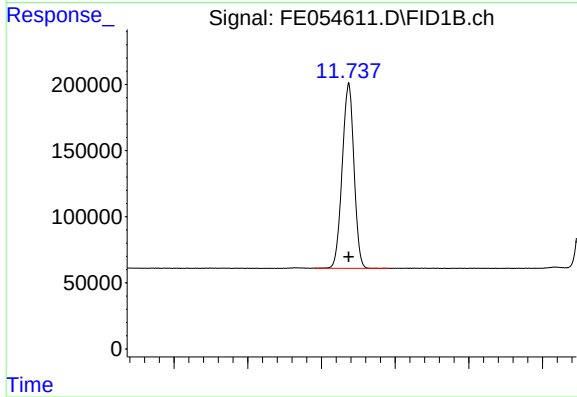
#6 n-Tetradecane (C14)

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



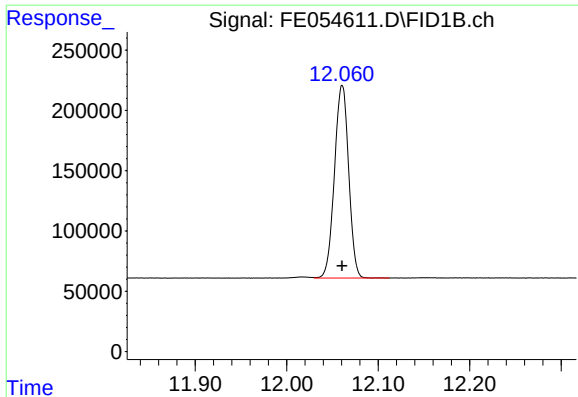
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

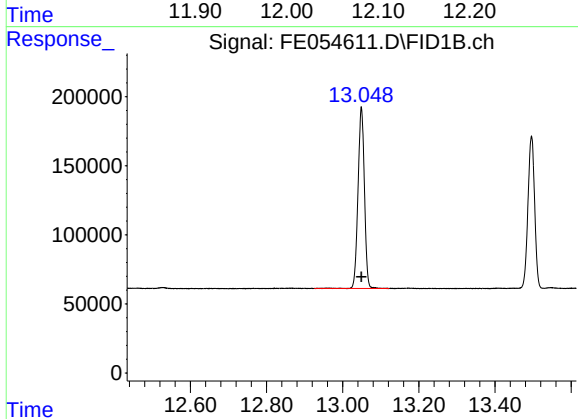
R.T.: 11.737 min
Delta R.T.: 0.000 min
Response: 1554612
Conc: 10.92 ug/ml



#9 ortho-Terphenyl (SURR)

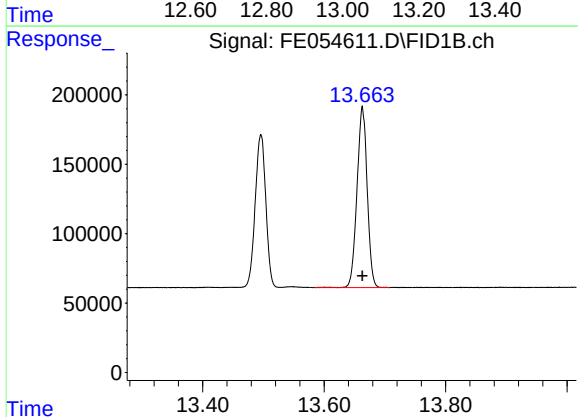
R.T.: 12.061 min
Delta R.T.: 0.000 min
Response: 1724999
Conc: 10.91 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



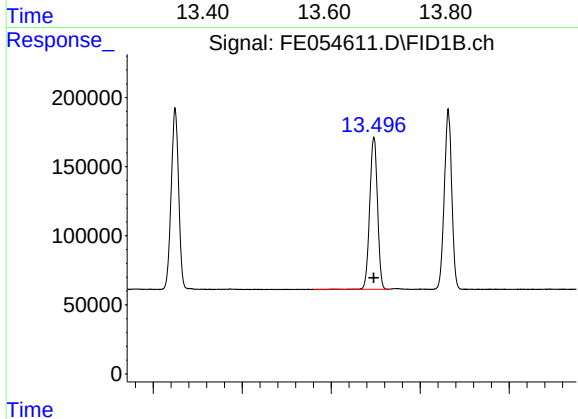
#10 n-Eicosane (C20)

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



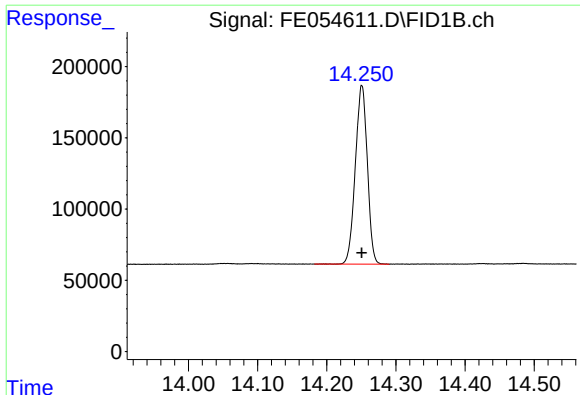
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

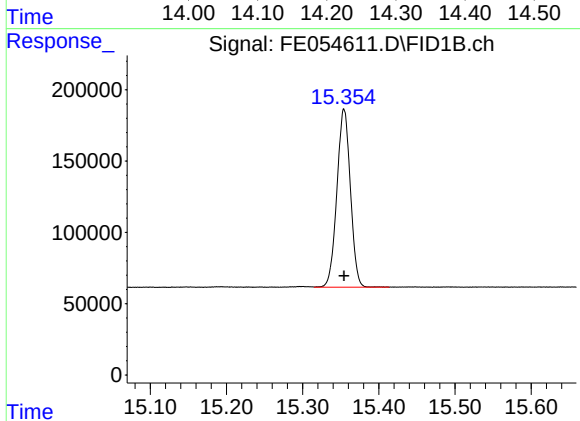
R.T.: 13.496 min
Delta R.T.: 0.000 min
Response: 1337321
Conc: 10.88 ug/ml



#13 n-Docosane (C22)

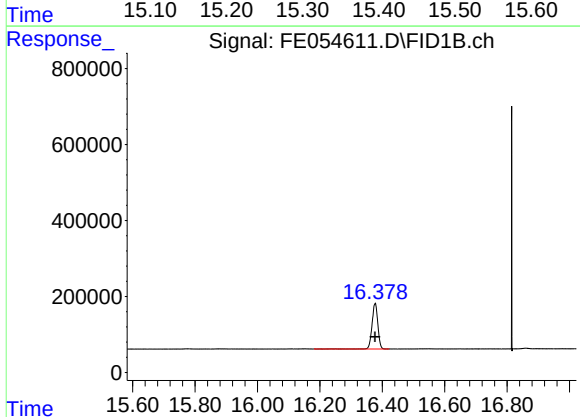
R.T.: 14.251 min
Delta R.T.: 0.000 min
Response: 1512806
Conc: 10.88 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



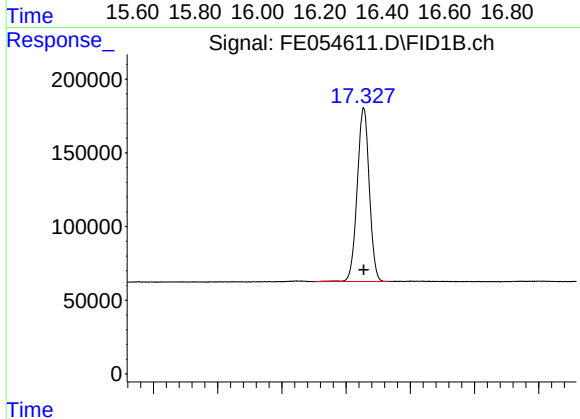
#14 n-Tetracosane (C24)

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



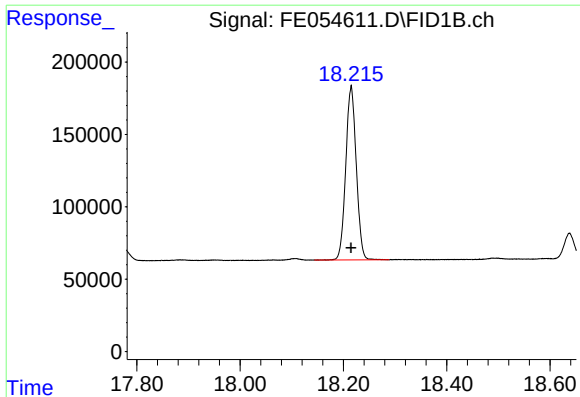
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

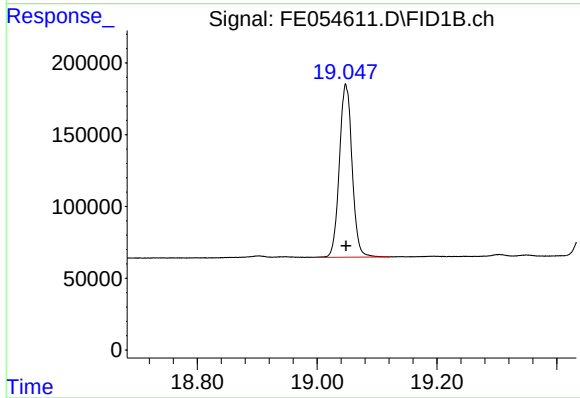
R.T.: 17.327 min
Delta R.T.: 0.000 min
Response: 1542456
Conc: 10.93 ug/ml



#17 n-Tricontane (C30)

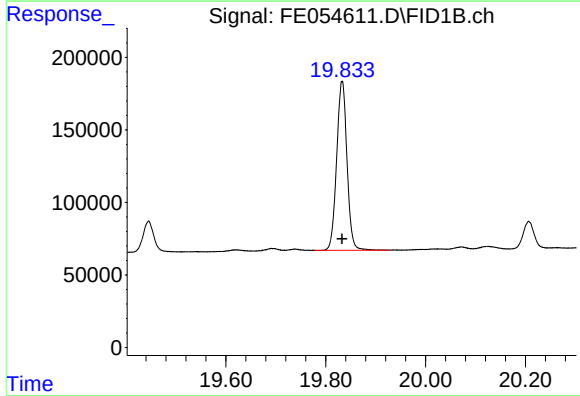
R.T.: 18.215 min
Delta R.T.: 0.000 min
Response: 1692830
Conc: 11.34 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



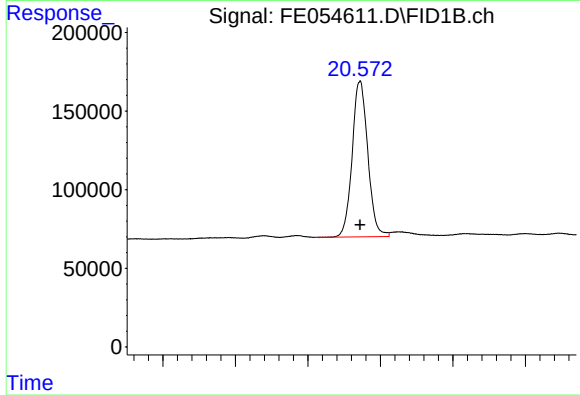
#18 n-Dotriacontane (C32)

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



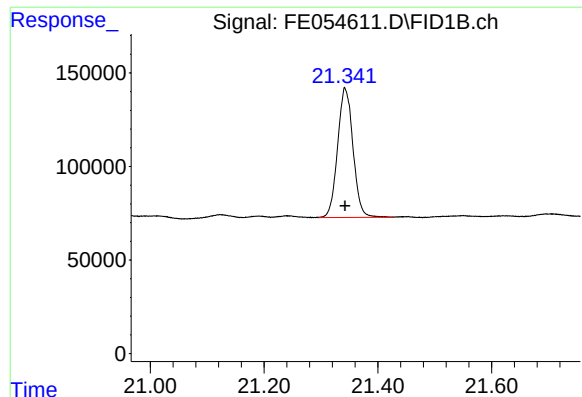
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

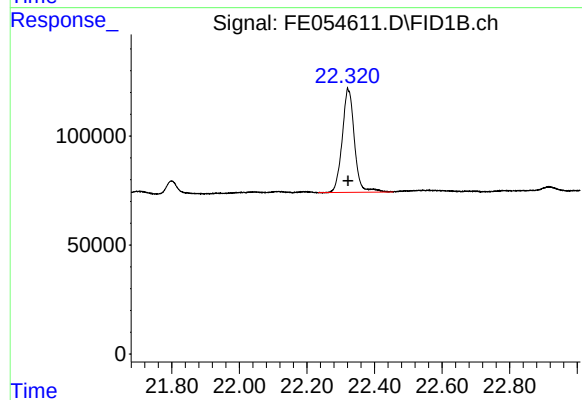
R.T.: 20.572 min
Delta R.T.: 0.000 min
Response: 1485639
Conc: 11.87 ug/ml



#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

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

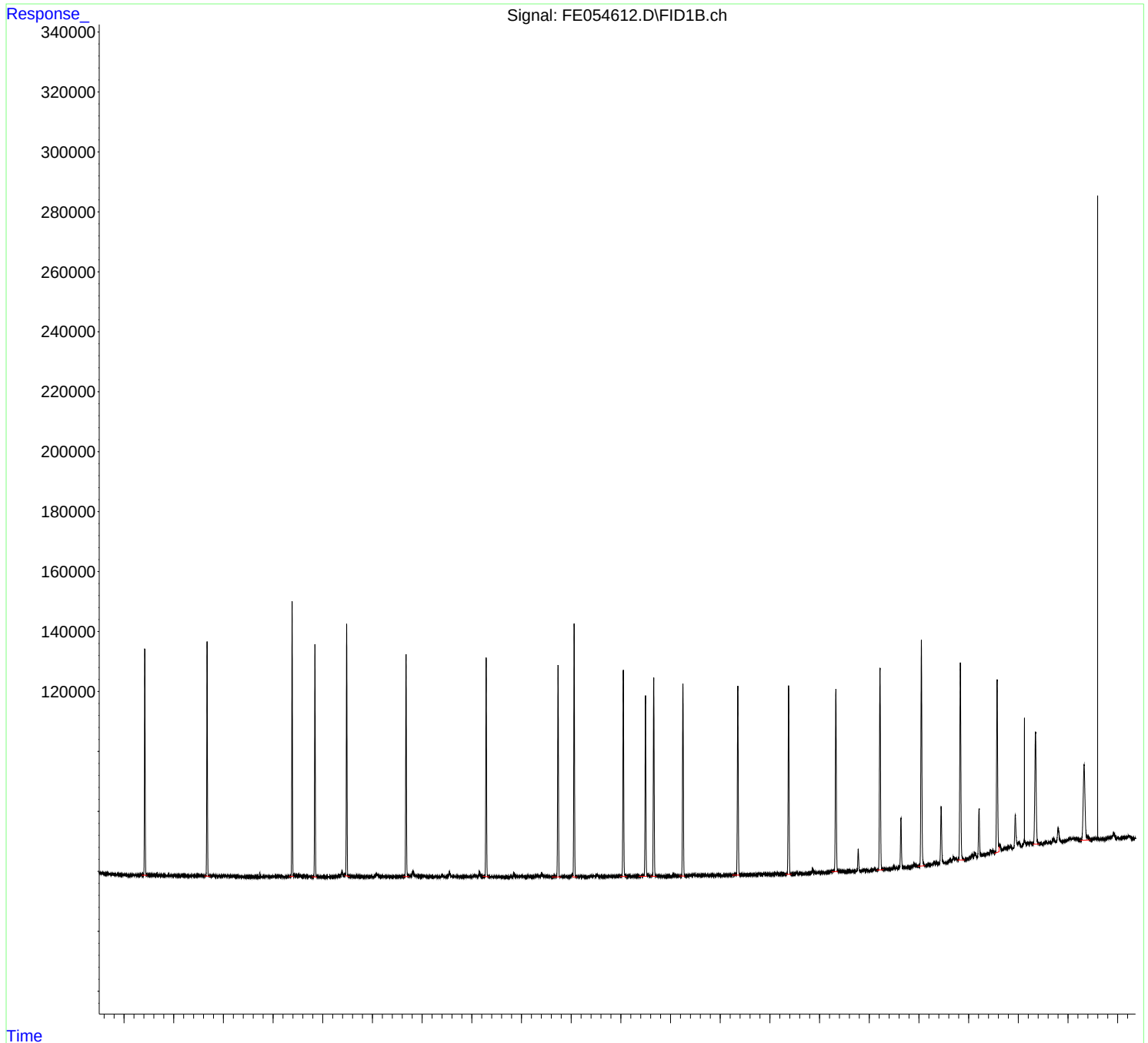
(m)=manual int.

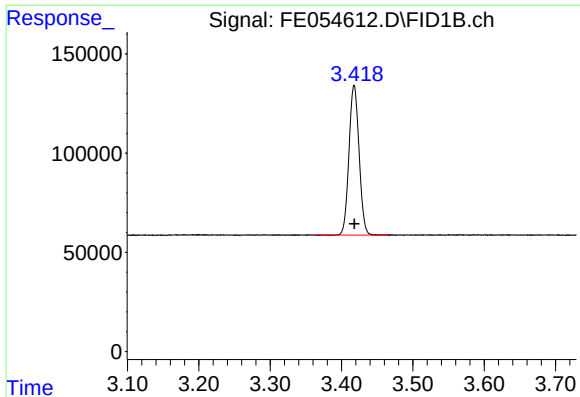
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054612.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 14:54
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

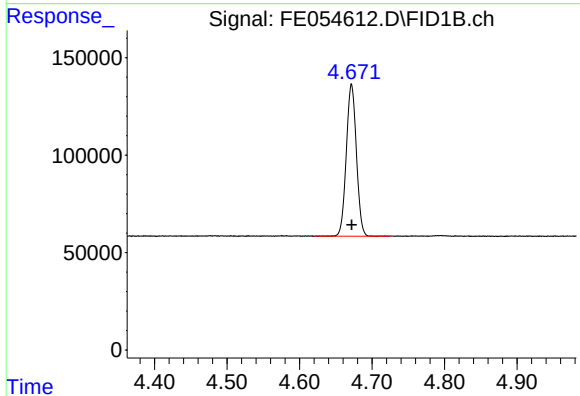




#1 n-Nonane (C9)

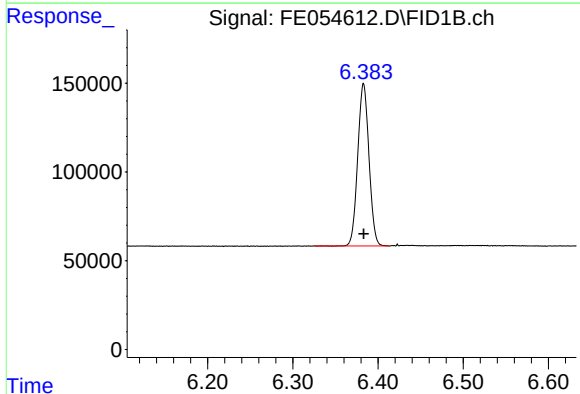
R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 741733
Conc: 5.51 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



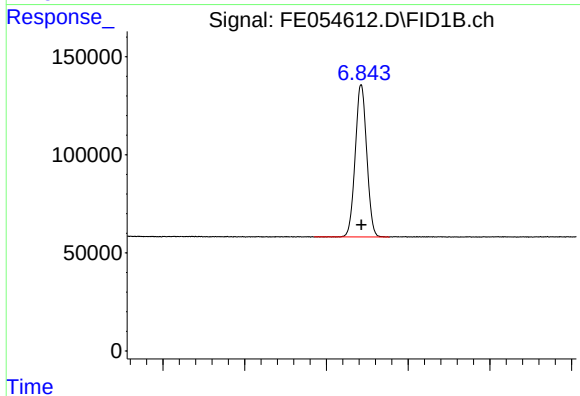
#2 n-Decane (C10)

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



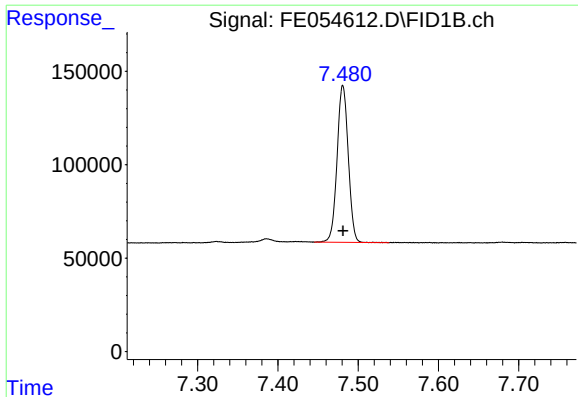
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

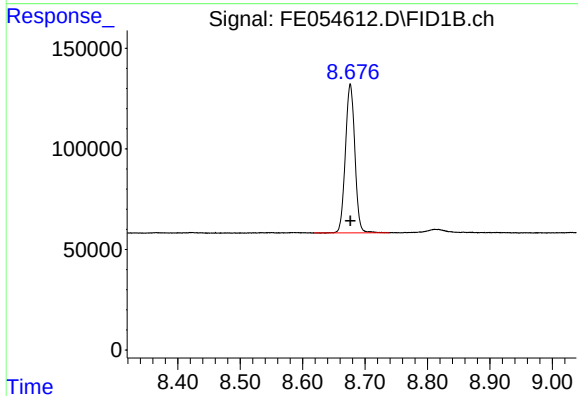
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 758434
Conc: 5.53 ug/ml



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

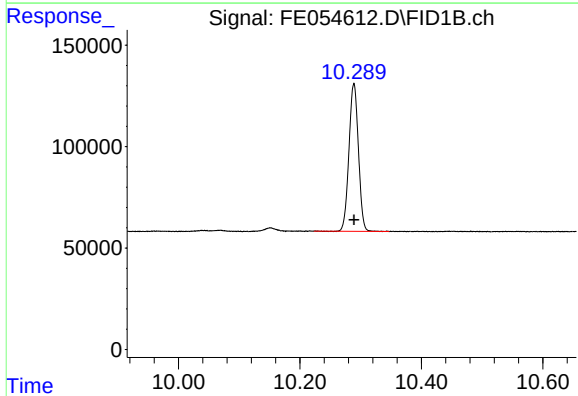
R.T.: 7.481 min
Delta R.T.: 0.000 min
Response: 812009
Conc: 5.52 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



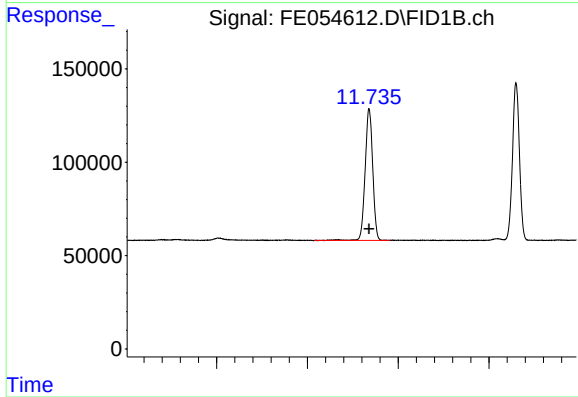
#6 n-Tetradecane (C14)

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



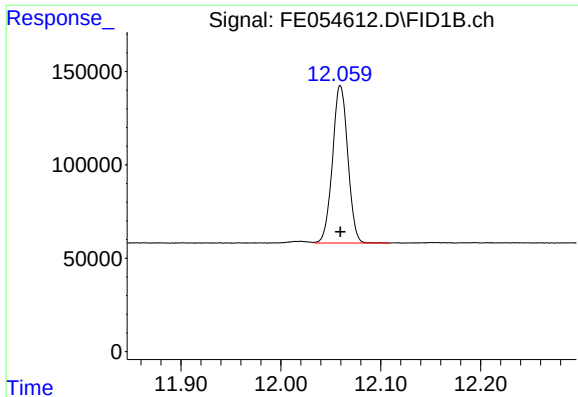
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

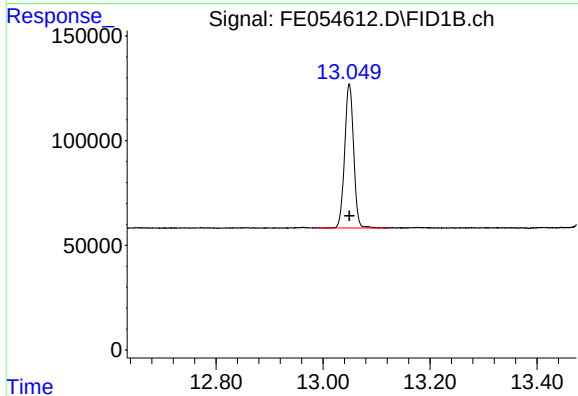
R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 817448
Conc: 5.58 ug/ml



#9 ortho-Terphenyl (SURR)

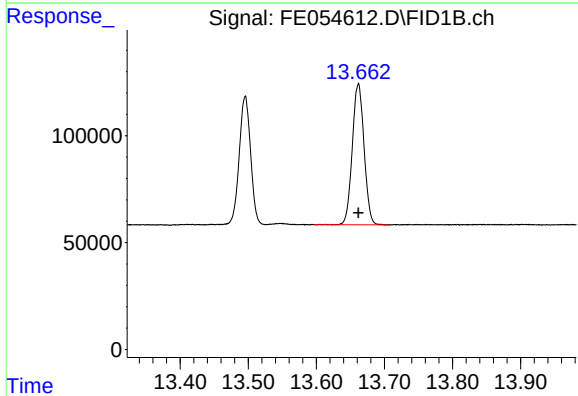
R.T.: 12.060 min
Delta R.T.: 0.000 min
Response: 897784
Conc: 5.53 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



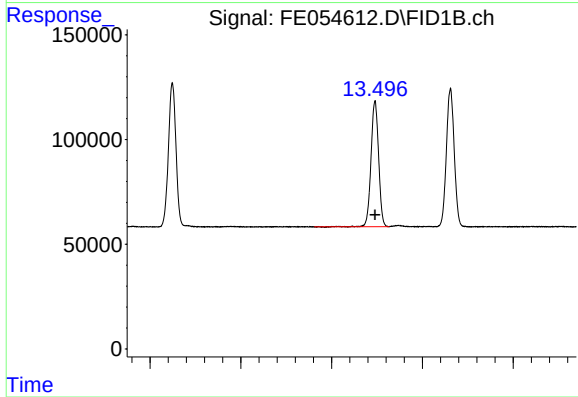
#10 n-Eicosane (C20)

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



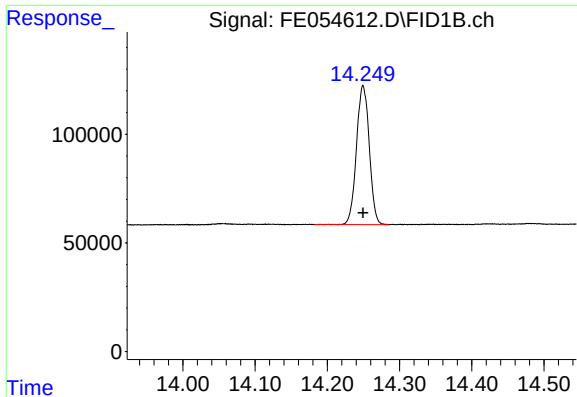
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

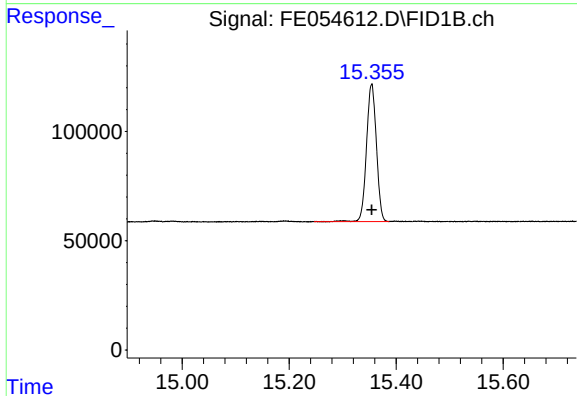
R.T.: 13.496 min
Delta R.T.: 0.000 min
Response: 698976
Conc: 5.53 ug/ml



#13 n-Docosane (C22)

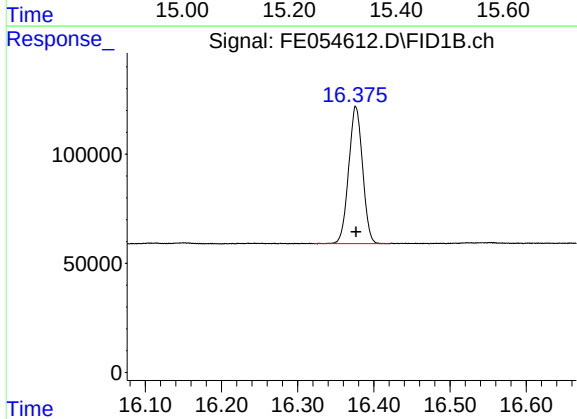
R.T.: 14.250 min
Delta R.T.: 0.000 min
Response: 787773
Conc: 5.52 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



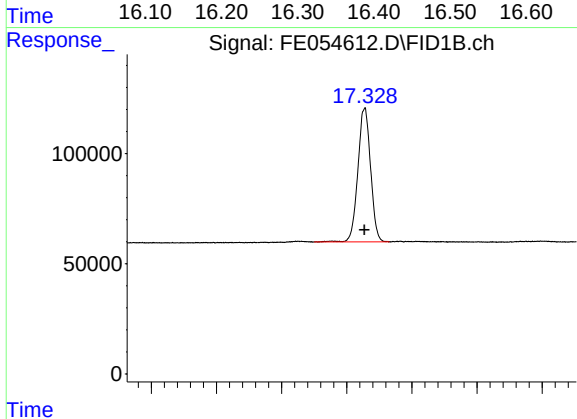
#14 n-Tetracosane (C24)

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



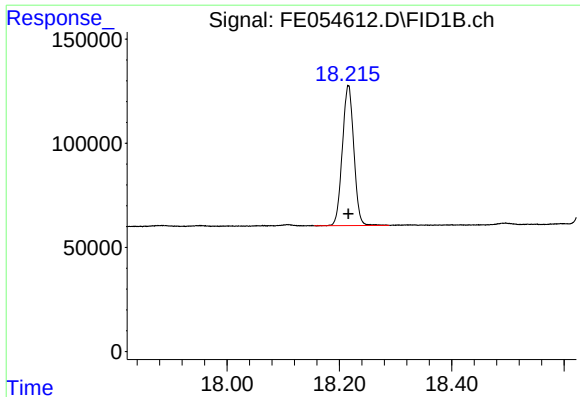
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

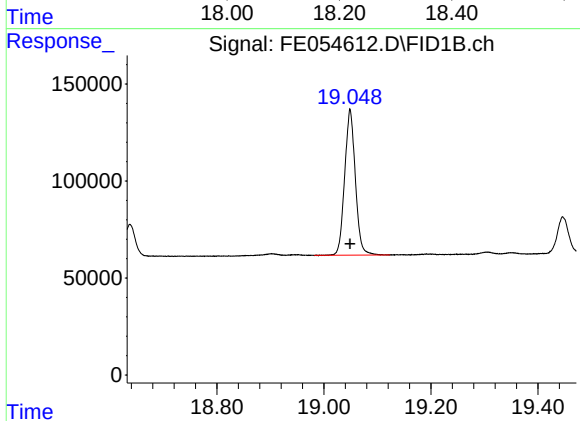
R.T.: 17.327 min
Delta R.T.: 0.000 min
Response: 822169
Conc: 5.64 ug/ml



#17 n-Tricontane (C30)

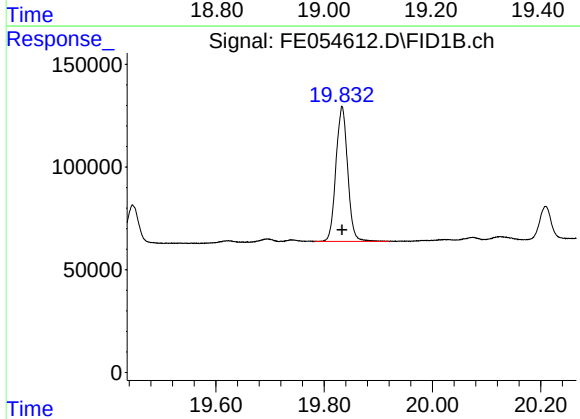
R.T.: 18.216 min
Delta R.T.: 0.000 min
Response: 953767
Conc: 6.05 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



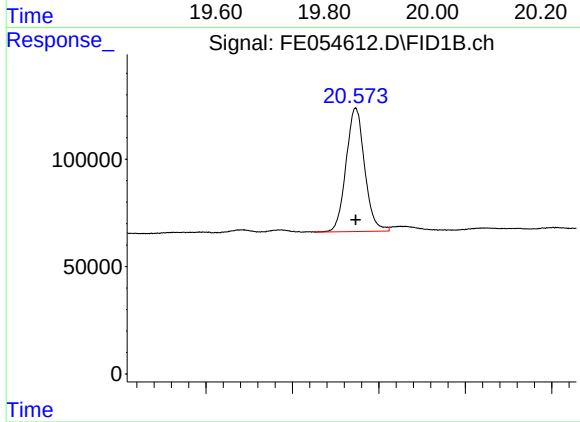
#18 n-Dotriacontane (C32)

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



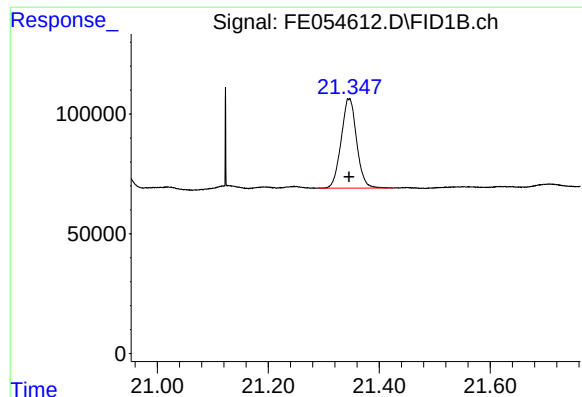
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

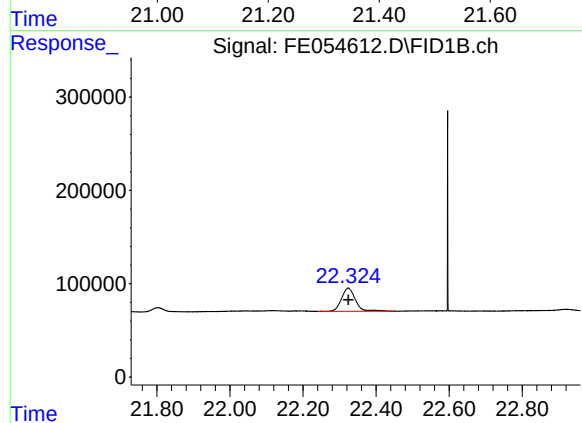
R.T.: 20.573 min
Delta R.T.: 0.000 min
Response: 858425
Conc: 6.38 ug/ml



#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

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

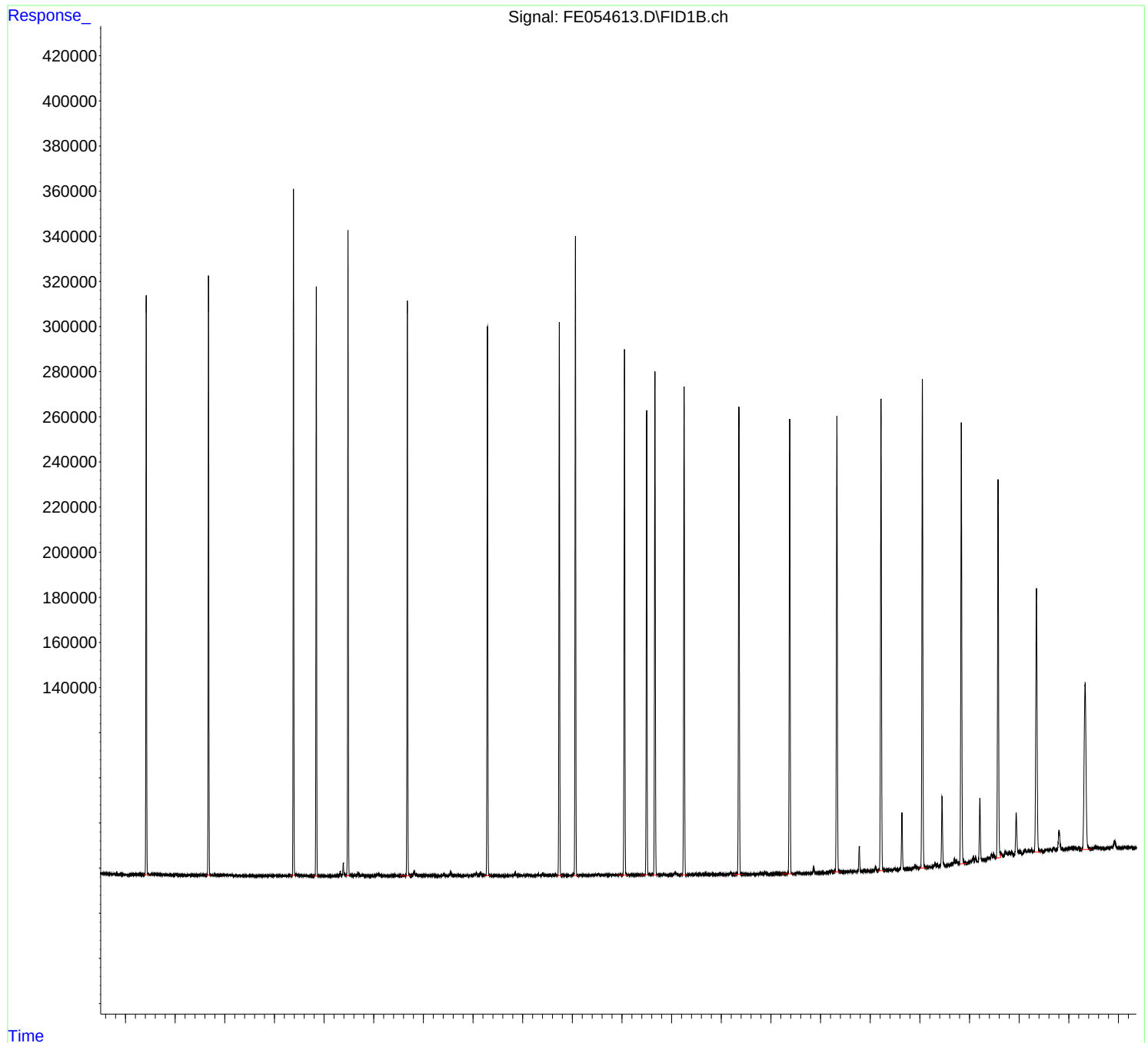
(m)=manual int.

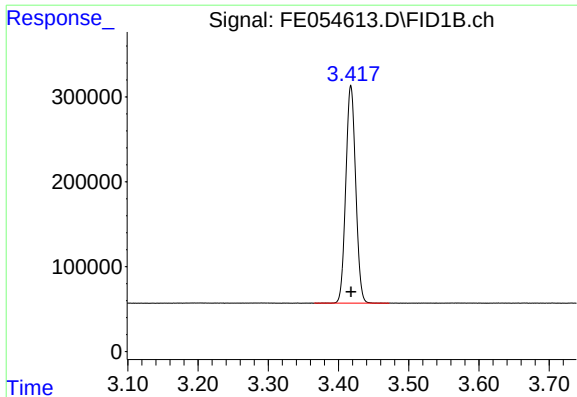
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054613.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 15:24
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

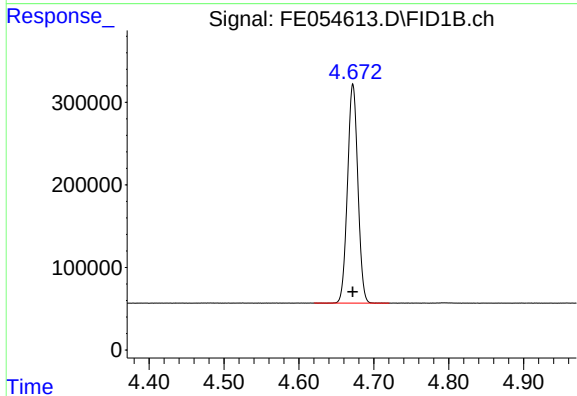




#1 n-Nonane (C9)

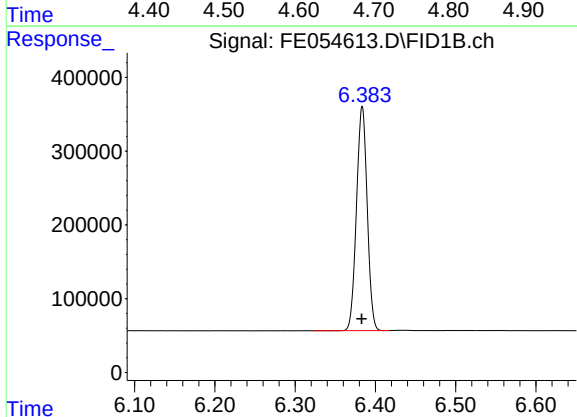
R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 2502645
Conc: 18.61 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



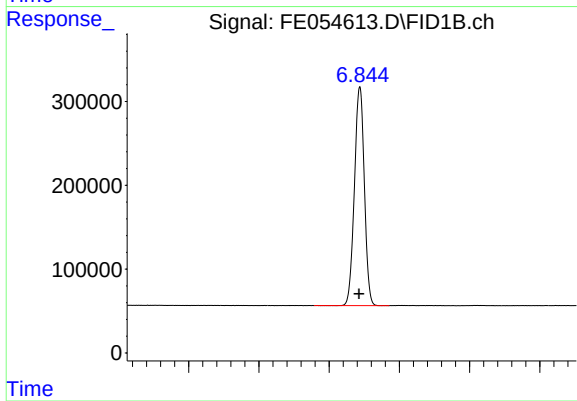
#2 n-Decane (C10)

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



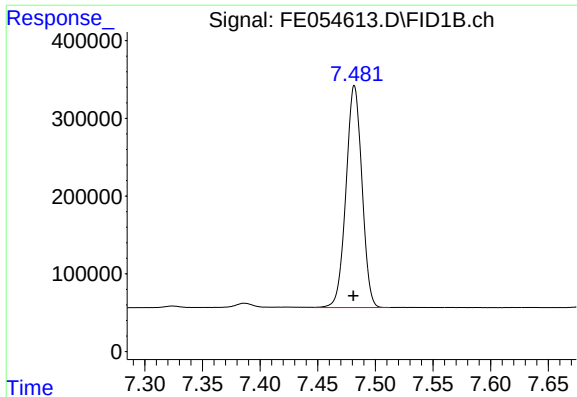
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

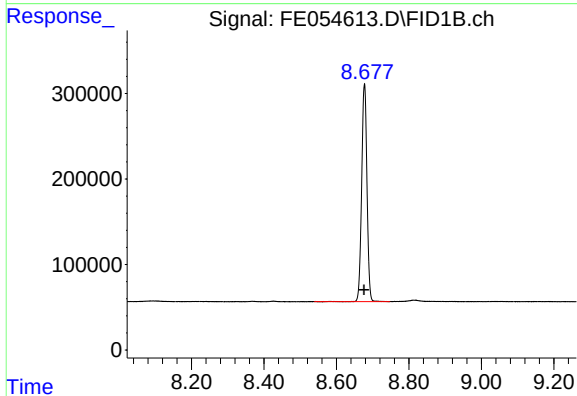
R.T.: 6.844 min
Delta R.T.: 0.001 min
Response: 2560893
Conc: 18.66 ug/ml



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

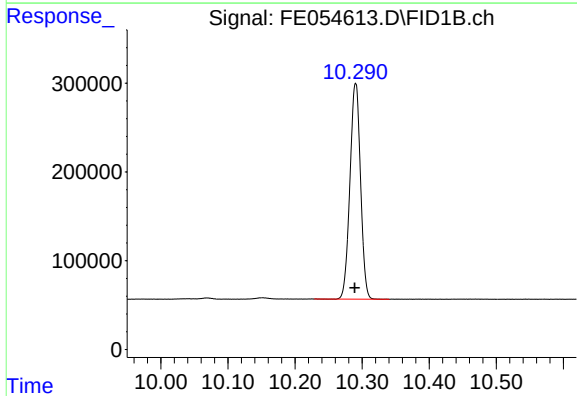
R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 2750056
Conc: 18.71 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



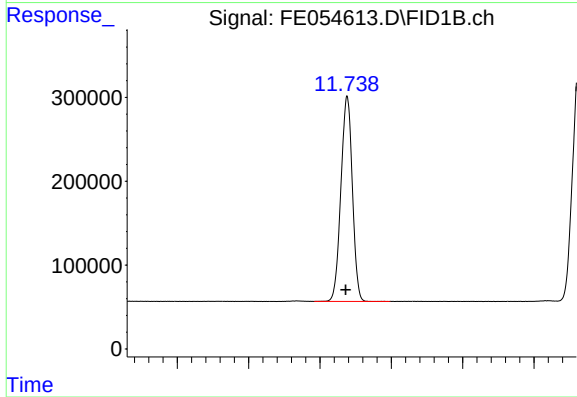
#6 n-Tetradecane (C14)

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



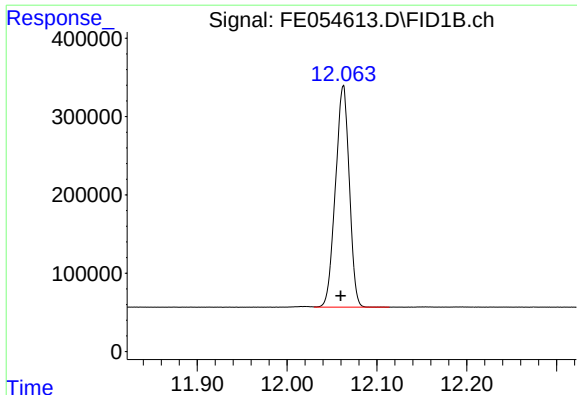
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

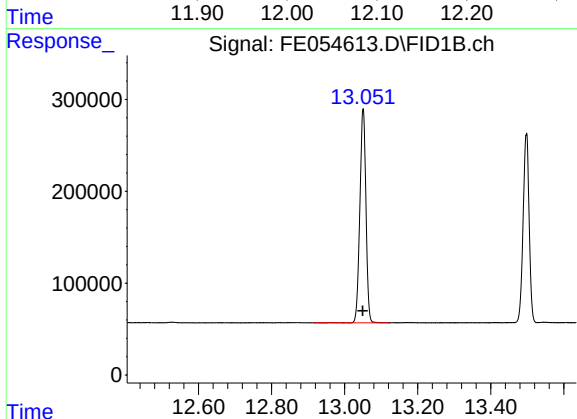
R.T.: 11.738 min
Delta R.T.: 0.002 min
Response: 2731350
Conc: 18.64 ug/ml



#9 ortho-Terphenyl (SURR)

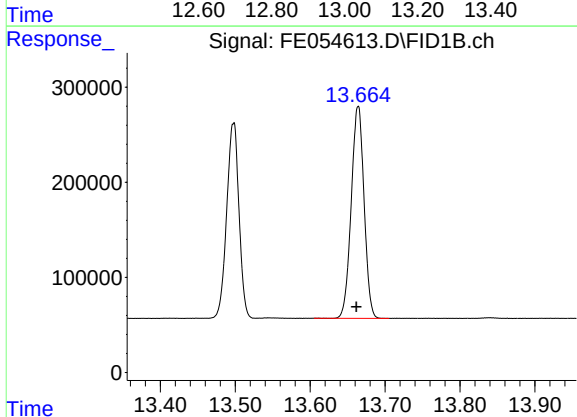
R.T.: 12.062 min
Delta R.T.: 0.003 min
Response: 3028688
Conc: 18.65 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



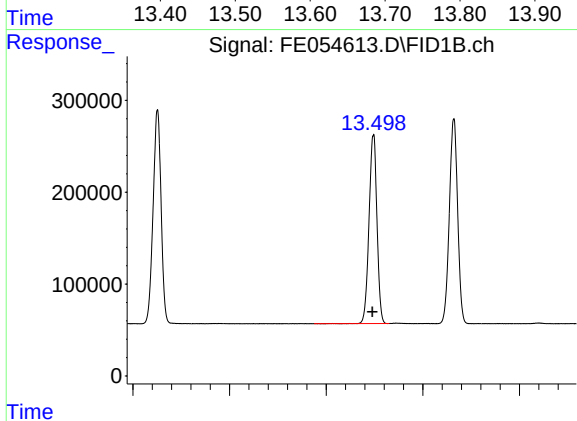
#10 n-Eicosane (C20)

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



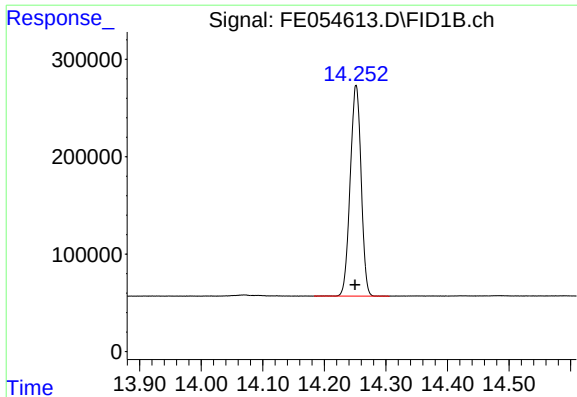
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

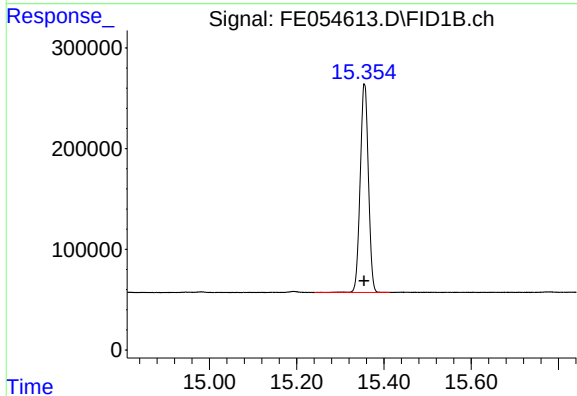
R.T.: 13.498 min
Delta R.T.: 0.002 min
Response: 2342450
Conc: 18.55 ug/ml



#13 n-Docosane (C22)

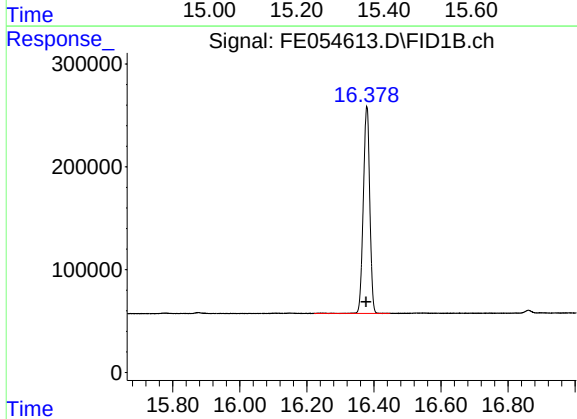
R.T.: 14.252 min
Delta R.T.: 0.002 min
Response: 2663243
Conc: 18.65 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



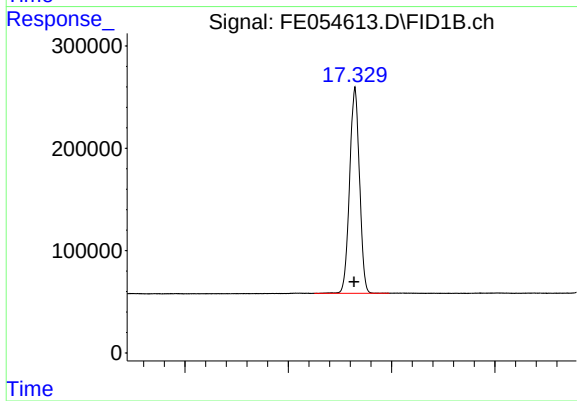
#14 n-Tetracosane (C24)

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



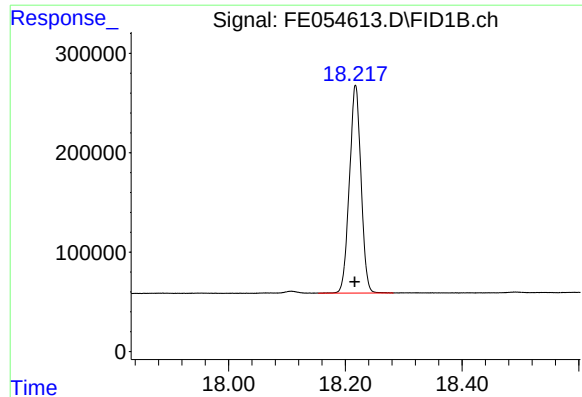
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

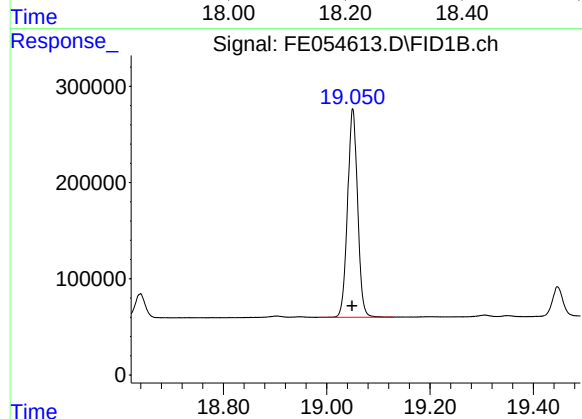
R.T.: 17.329 min
Delta R.T.: 0.002 min
Response: 2682634
Conc: 18.41 ug/ml



#17 n-Tricontane (C30)

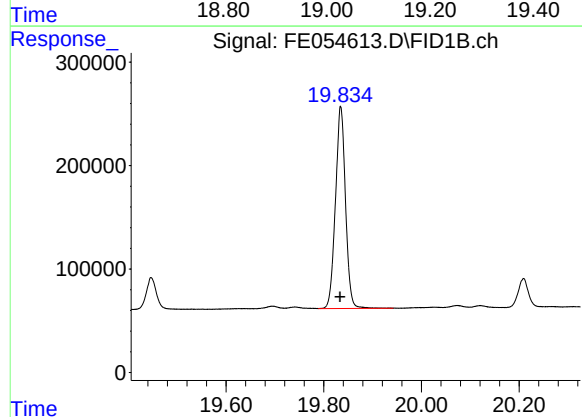
R.T.: 18.218 min
Delta R.T.: 0.002 min
Response: 2884214
Conc: 18.30 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



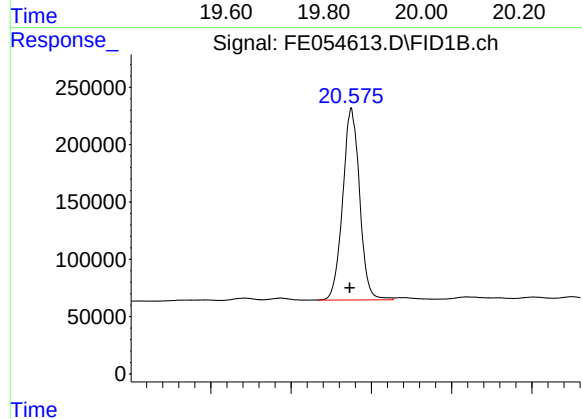
#18 n-Dotriacontane (C32)

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



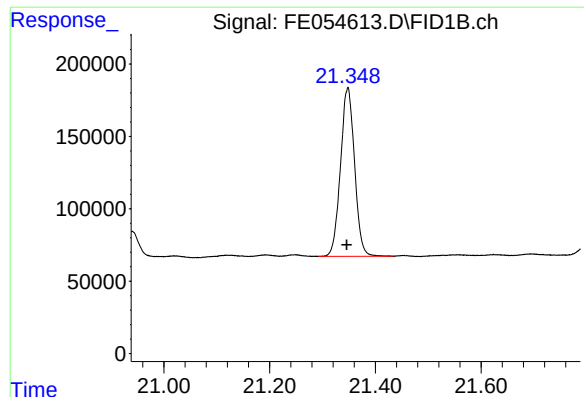
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

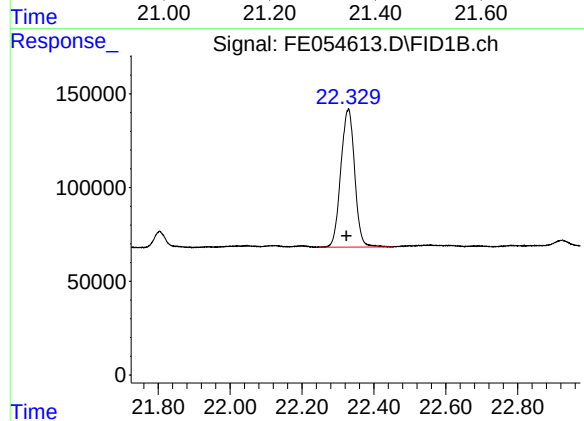
R.T.: 20.575 min
Delta R.T.: 0.002 min
Response: 2448198
Conc: 18.21 ug/ml



#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

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

Initial Calibration Report for SequenceID : FG061325AL

AreaCount

Parameter Range	FG016071.D	FG016072.D	FG016073.D	FG016074.D	FG016075.D	
Aliphatic C9-C12	31187111.000	16030205.000	6399100.000	3273415.000	1801158.000	
Aliphatic C12-C16	21347944.000	10942901.000	4353077.000	2229026.000	1226761.000	
Aliphatic C16-C21	32827684.000	16845928.000	6678934.000	3420442.000	1880042.000	
Aliphatic C21-C28	43338555.000	22406907.000	8923987.000	4573238.000	2513785.000	
Aliphatic C28-C40	50822649.000	26534359.000	10867391.000	5588296.000	3093801.000	
Aliphatic EPH	179523943.000	92760300.000	37222489.000	19084417.000	10515547.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	109333.5539996	5.742				
Aliphatic C12-C16	111824.611	5.629				
Aliphatic C16-C21	114479.6466662	5.496				
Aliphatic C21-C28	114390.192	5.829				
Aliphatic C28-C40	91995.767333	7.551				
Aliphatic EPH	105812.4553328	6.196				

Concentration

Parameter Range	FG016071.D	FG016072.D	FG016073.D	FG016074.D	FG016075.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	FG016071.D	FG016072.D	FG016073.D	FG016074.D	FG016075.D	
Aliphatic C9-C12	103957.036666	106868.033333	106651.666666	109113.833333	120077.200000	
Aliphatic C12-C16	106739.720000	109429.010000	108826.925000	111451.300000	122676.100000	
Aliphatic C16-C21	109425.613333	112306.186666	111315.566666	114014.733333	125336.133333	

Initial Calibration Report for SequenceID : FG061325AL

Aliphatic C21-C28	108346.387500	112034.535000	111549.837500	114330.950000	125689.250000	
Aliphatic C28-C40	84704.415000	88447.863333	90561.591666	93138.266666	103126.700000	
Aliphatic EPH	99735.523888	103067.000000	103395.802777	106024.538888	116839.411111	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016071.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 14:05
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Jun 16 06:40:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:39:56 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)	12.102	12319256	98.060 ug/ml
Spiked Amount 50.000		Recovery =	196.12%
12) S 1-chlorooctadecane (S...	13.541	9625924	98.129 ug/ml
Spiked Amount 50.000		Recovery =	196.26%
Target Compounds			
1) T n-Nonane (C9)	3.424	10265834	97.267 ug/ml
2) T n-Decane (C10)	4.684	10421015	97.345 ug/ml
3) T A~Naphthalene (C11.7)	6.401	11351238	97.258 ug/ml
4) T n-Dodecane (C12)	6.863	10500262	97.805 ug/ml
5) T A~2-methylnaphthalene...	7.504	11069941	97.522 ug/ml
6) T n-Tetradecane (C14)	8.702	10460547	97.915 ug/ml
7) T n-Hexadecane (C16)	10.321	10887397	98.243 ug/ml
8) T n-Octadecane (C18)	11.776	11131441	98.379 ug/ml
10) T n-Eicosane (C20)	13.093	10887120	98.345 ug/ml
11) T n-Heneicosane (C21)	13.709	10809123	98.180 ug/ml
13) T n-Docosane (C22)	14.299	10847807	98.085 ug/ml
14) T n-Tetracosane (C24)	15.408	10956206	97.496 ug/ml
15) T n-Hexacosane (C26)	16.436	10874105	96.775 ug/ml
16) T n-Octacosane (C28)	17.391	10660437	96.159 ug/ml
17) T n-Tricontane (C30)	18.282	10619759	94.655 ug/ml
18) T n-Dotriacontane (C32)	19.119	10002723	93.329 ug/ml
19) T n-Tetratriacontane (C34)	19.905	9047304	92.873 ug/ml
20) T n-Hexatriacontane (C36)	20.646	7775206	92.817 ug/ml
21) T n-Octatriacontane (C38)	21.437	6940056	93.207 ug/ml
22) T n-Tetracontane (C40)	22.443	6437601	94.181 ug/ml

(f)=RT Delta > 1/2 Window

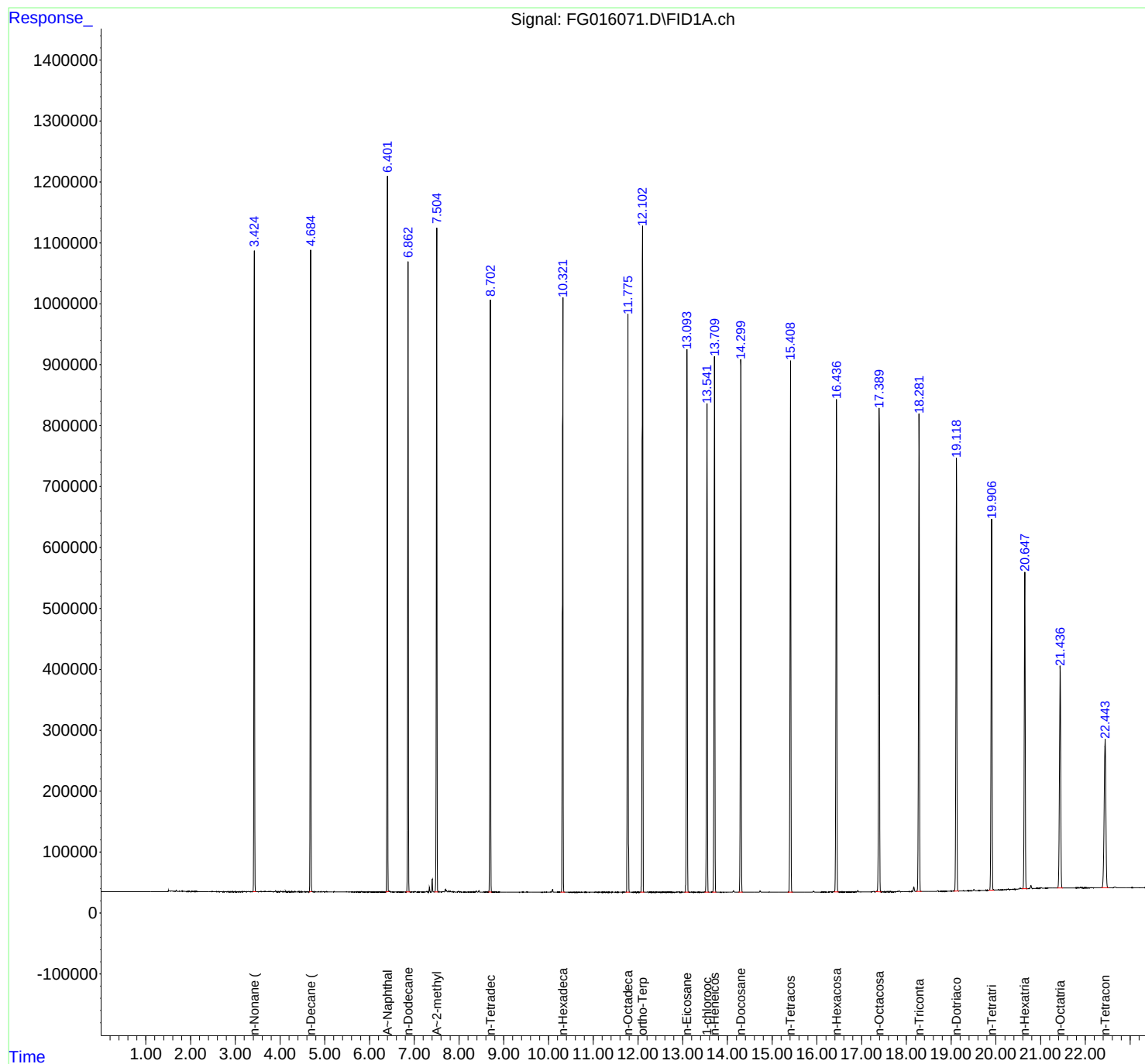
(m)=manual int.

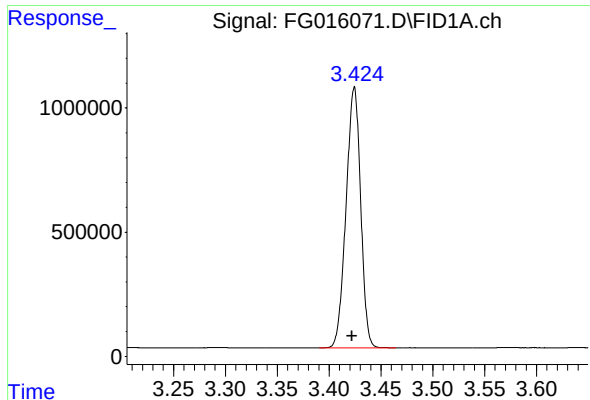
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016071.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 14:05
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jun 16 06:40:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:39:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

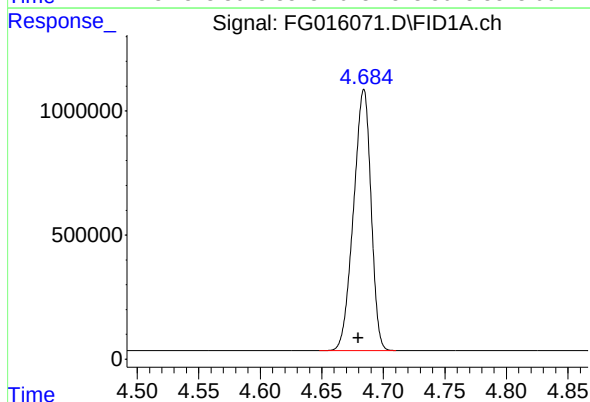




#1 n-Nonane (C9)

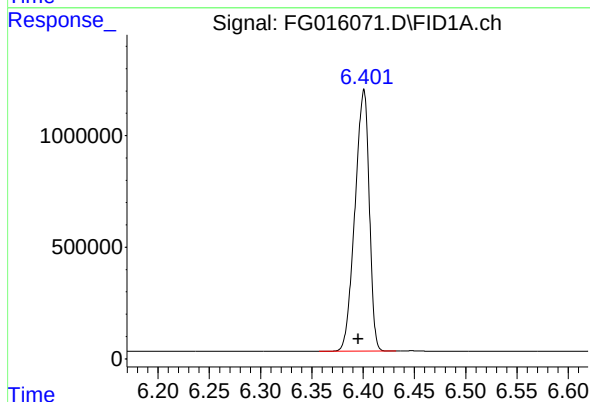
R.T.: 3.424 min
Delta R.T.: 0.002 min
Response: 10265834
Conc: 97.27 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



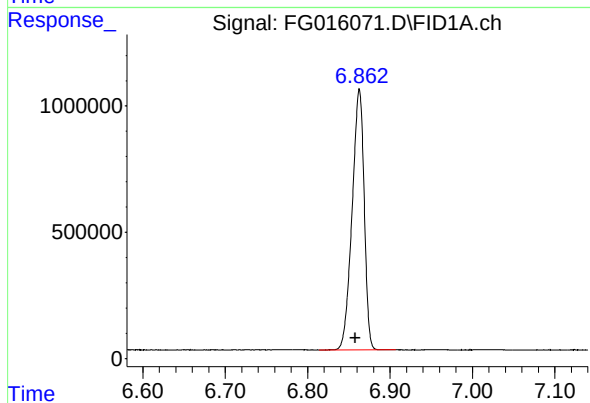
#2 n-Decane (C10)

R.T.: 4.684 min
Delta R.T.: 0.004 min
Response: 10421015
Conc: 97.34 ug/ml



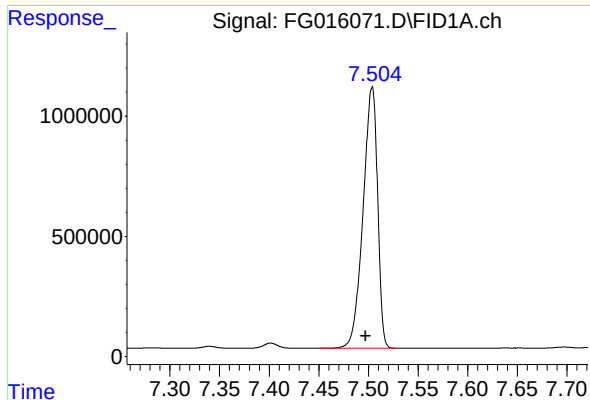
#3 A~Naphthalene (C11.7)

R.T.: 6.401 min
Delta R.T.: 0.005 min
Response: 11351238
Conc: 97.26 ug/ml



#4 n-Dodecane (C12)

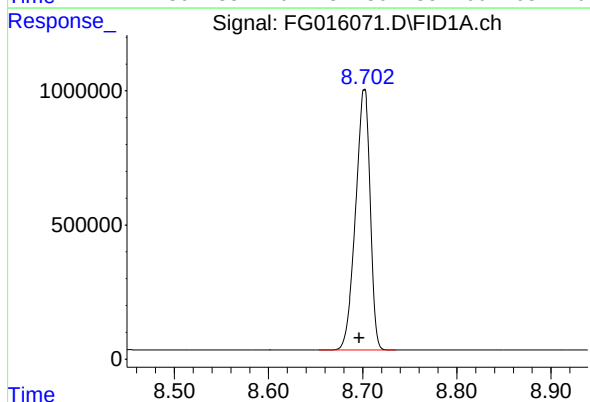
R.T.: 6.863 min
Delta R.T.: 0.005 min
Response: 10500262
Conc: 97.80 ug/ml



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

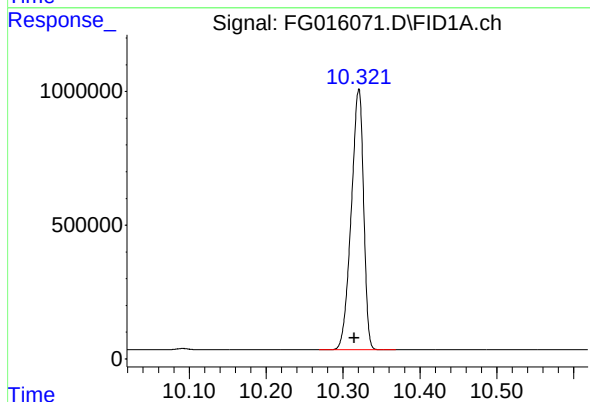
R.T.: 7.504 min
Delta R.T.: 0.006 min
Response: 11069941
Conc: 97.52 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



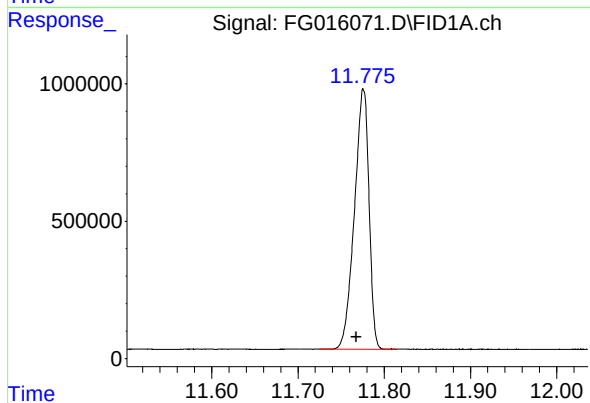
#6 n-Tetradecane (C14)

R.T.: 8.702 min
Delta R.T.: 0.005 min
Response: 10460547
Conc: 97.92 ug/ml



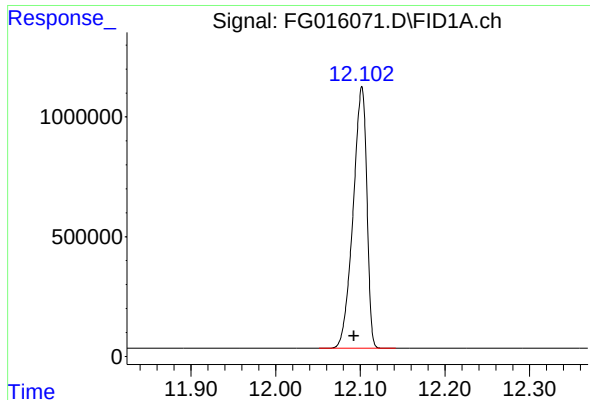
#7 n-Hexadecane (C16)

R.T.: 10.321 min
Delta R.T.: 0.006 min
Response: 10887397
Conc: 98.24 ug/ml



#8 n-Octadecane (C18)

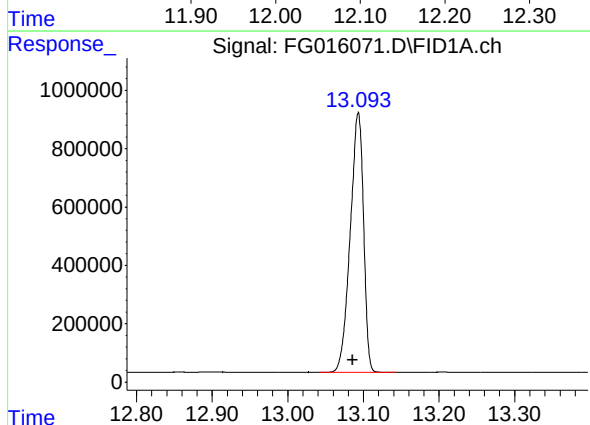
R.T.: 11.776 min
Delta R.T.: 0.009 min
Response: 11131441
Conc: 98.38 ug/ml



#9 ortho-Terphenyl (SURR)

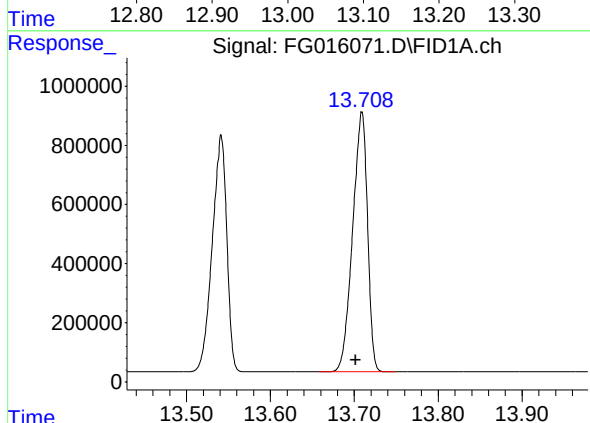
R.T.: 12.102 min
Delta R.T.: 0.009 min
Response: 12319256
Conc: 98.06 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



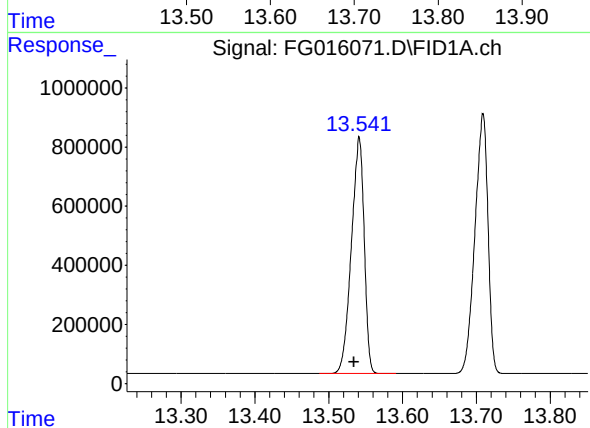
#10 n-Eicosane (C20)

R.T.: 13.093 min
Delta R.T.: 0.008 min
Response: 10887120
Conc: 98.35 ug/ml



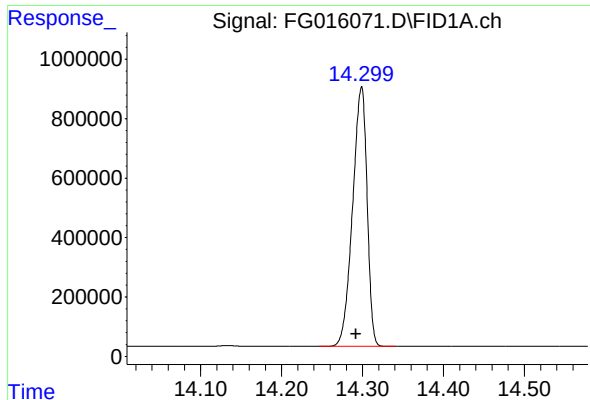
#11 n-Heneicosane (C21)

R.T.: 13.709 min
Delta R.T.: 0.008 min
Response: 10809123
Conc: 98.18 ug/ml



#12 1-chlorooctadecane (SURR)

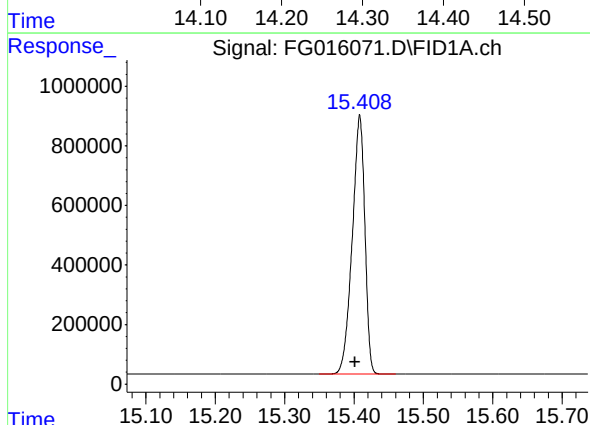
R.T.: 13.541 min
Delta R.T.: 0.007 min
Response: 9625924
Conc: 98.13 ug/ml



#13 n-Docosane (C22)

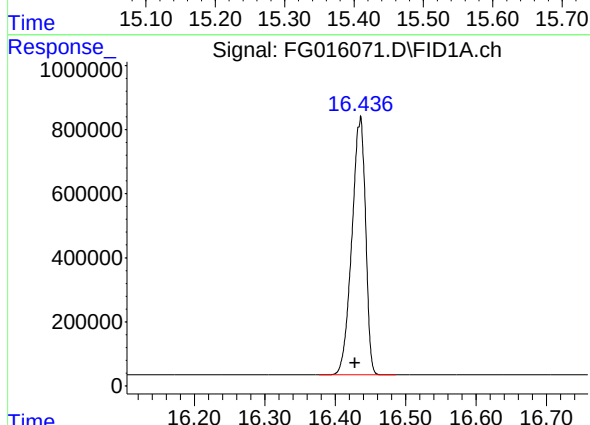
R.T.: 14.299 min
Delta R.T.: 0.007 min
Response: 10847807
Conc: 98.09 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



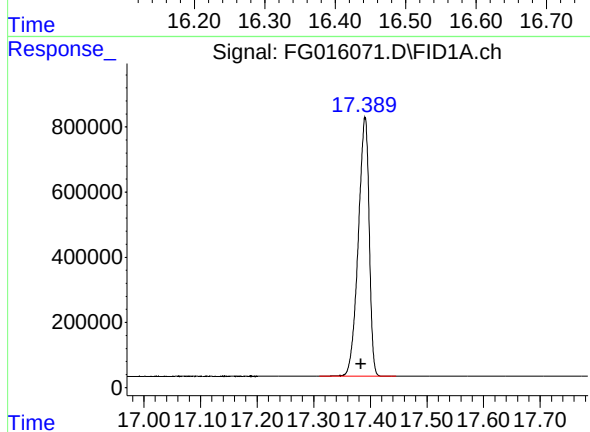
#14 n-Tetracosane (C24)

R.T.: 15.408 min
Delta R.T.: 0.007 min
Response: 10956206
Conc: 97.50 ug/ml



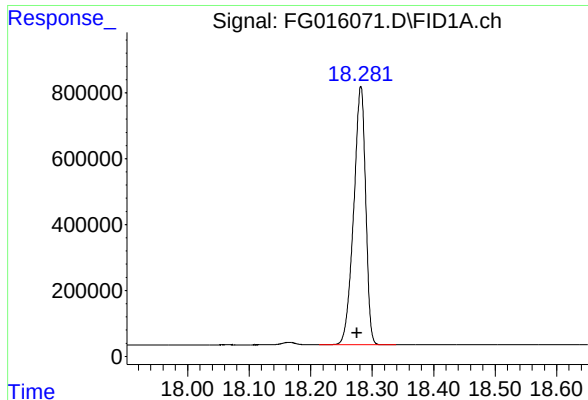
#15 n-Hexacosane (C26)

R.T.: 16.436 min
Delta R.T.: 0.008 min
Response: 10874105
Conc: 96.78 ug/ml



#16 n-Octacosane (C28)

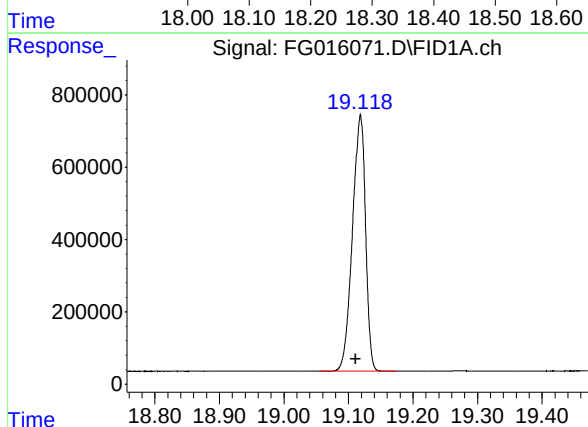
R.T.: 17.391 min
Delta R.T.: 0.007 min
Response: 10660437
Conc: 96.16 ug/ml



#17 n-Tricontane (C30)

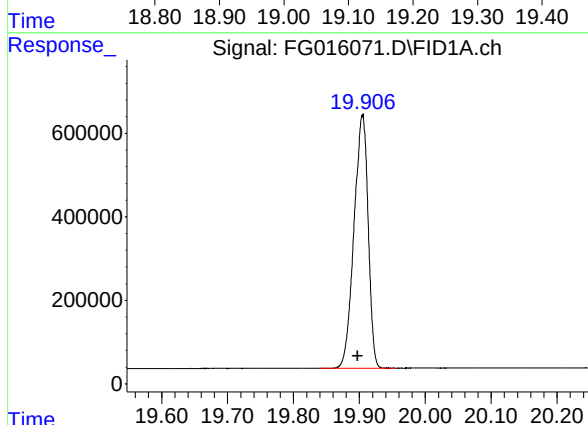
R.T.: 18.282 min
Delta R.T.: 0.007 min
Response: 10619759
Conc: 94.65 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



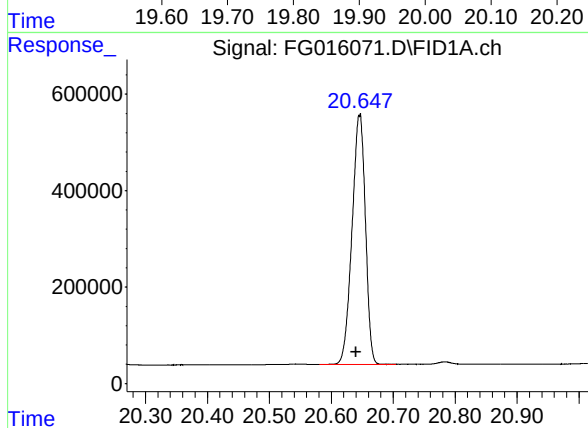
#18 n-Dotriacontane (C32)

R.T.: 19.119 min
Delta R.T.: 0.008 min
Response: 10002723
Conc: 93.33 ug/ml



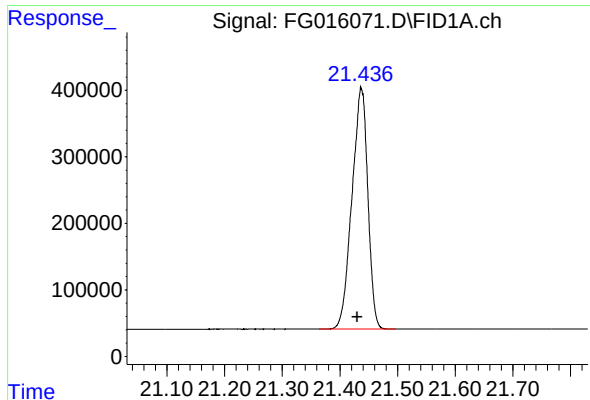
#19 n-Tetratriacontane (C34)

R.T.: 19.905 min
Delta R.T.: 0.007 min
Response: 9047304
Conc: 92.87 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.646 min
Delta R.T.: 0.006 min
Response: 7775206
Conc: 92.82 ug/ml



#21 n-Octatriacontane (C38)

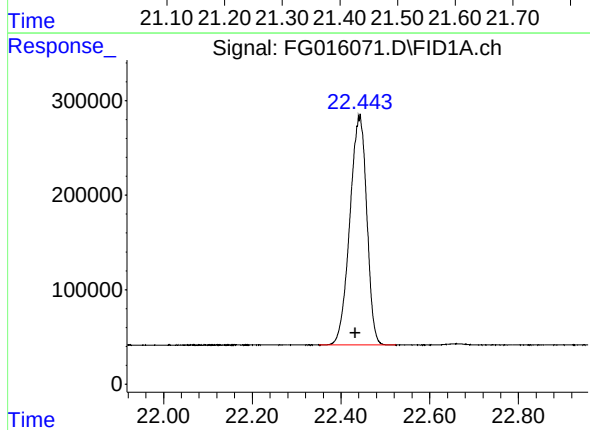
R.T.: 21.437 min
Delta R.T.: 0.007 min
Response: 6940056
Conc: 93.21 ug/ml

Instrument :

FID_G

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.443 min
Delta R.T.: 0.011 min
Response: 6437601
Conc: 94.18 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016071.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 14:05
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.424	3.390	3.465	BB	1052357	10265834	83.33%	4.585%
2	4.684	4.648	4.710	BB	1053856	10421015	84.59%	4.655%
3	6.401	6.357	6.432	BV	1169744	11351238	92.14%	5.070%
4	6.863	6.814	6.907	BB	1033033	10500262	85.23%	4.690%
5	7.504	7.450	7.528	BB	1085196	11069941	89.86%	4.944%
6	8.702	8.654	8.735	BB	969591	10460547	84.91%	4.672%
7	10.321	10.269	10.369	BB	974328	10887397	88.38%	4.863%
8	11.776	11.725	11.814	BB	943511	11131441	90.36%	4.972%
9	12.102	12.051	12.142	BB	1093779	12319256	100.00%	5.502%
10	13.093	13.041	13.143	BB	888505	10887120	88.37%	4.863%
11	13.541	13.487	13.591	BB	800655	9625924	78.14%	4.299%
12	13.709	13.658	13.750	BB	879914	10809123	87.74%	4.828%
13	14.299	14.246	14.341	BB	873265	10847807	88.06%	4.845%
14	15.408	15.350	15.460	BB	869218	10956206	88.94%	4.894%
15	16.436	16.377	16.486	BB	807724	10874105	88.27%	4.857%
16	17.391	17.310	17.445	BB	793279	10660437	86.53%	4.761%
17	18.282	18.214	18.339	BB	783730	10619759	86.20%	4.743%
18	19.119	19.055	19.174	BB	710210	10002723	81.20%	4.468%
19	19.905	19.839	19.955	BB	603725	9047304	73.44%	4.041%
20	20.646	20.580	20.704	BB	514279	7775206	63.11%	3.473%
21	21.437	21.364	21.497	BB	361018	6940056	56.34%	3.100%
22	22.443	22.350	22.524	BB	244066	6437601	52.26%	2.875%
Sum of corrected areas:						223890303		

Aliphatic EPH 061325.M Mon Jun 16 07:03:50 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016072.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 14:34
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Jun 16 06:41:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:39:56 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)	12.096	6323398	50.334 ug/ml
Spiked Amount 50.000		Recovery =	100.67%
12) S 1-chlorooctadecane (S...	13.537	4942965	50.390 ug/ml
Spiked Amount 50.000		Recovery =	100.78%
Target Compounds			
1) T n-Nonane (C9)	3.422	5282413	50.050 ug/ml
2) T n-Decane (C10)	4.681	5358787	50.057 ug/ml
3) T A~Naphthalene (C11.7)	6.397	5839682	50.034 ug/ml
4) T n-Dodecane (C12)	6.859	5389005	50.196 ug/ml
5) T A~2-methylnaphthalene...	7.499	5689440	50.122 ug/ml
6) T n-Tetradecane (C14)	8.698	5364151	50.211 ug/ml
7) T n-Hexadecane (C16)	10.317	5578750	50.340 ug/ml
8) T n-Octadecane (C18)	11.770	5705865	50.428 ug/ml
10) T n-Eicosane (C20)	13.088	5586554	50.464 ug/ml
11) T n-Heneicosane (C21)	13.704	5553509	50.443 ug/ml
13) T n-Docosane (C22)	14.295	5578784	50.443 ug/ml
14) T n-Tetracosane (C24)	15.404	5654747	50.320 ug/ml
15) T n-Hexacosane (C26)	16.431	5630584	50.110 ug/ml
16) T n-Octacosane (C28)	17.386	5542792	49.997 ug/ml
17) T n-Tricontane (C30)	18.278	5543018	49.405 ug/ml
18) T n-Dotriacontane (C32)	19.114	5238666	48.879 ug/ml
19) T n-Tetratriacontane (C34)	19.901	4741671	48.674 ug/ml
20) T n-Hexatriacontane (C36)	20.644	4064127	48.516 ug/ml
21) T n-Octatriacontane (C38)	21.434	3616216	48.567 ug/ml
22) T n-Tetracontane (C40)	22.437	3330661	48.727 ug/ml

(f)=RT Delta > 1/2 Window

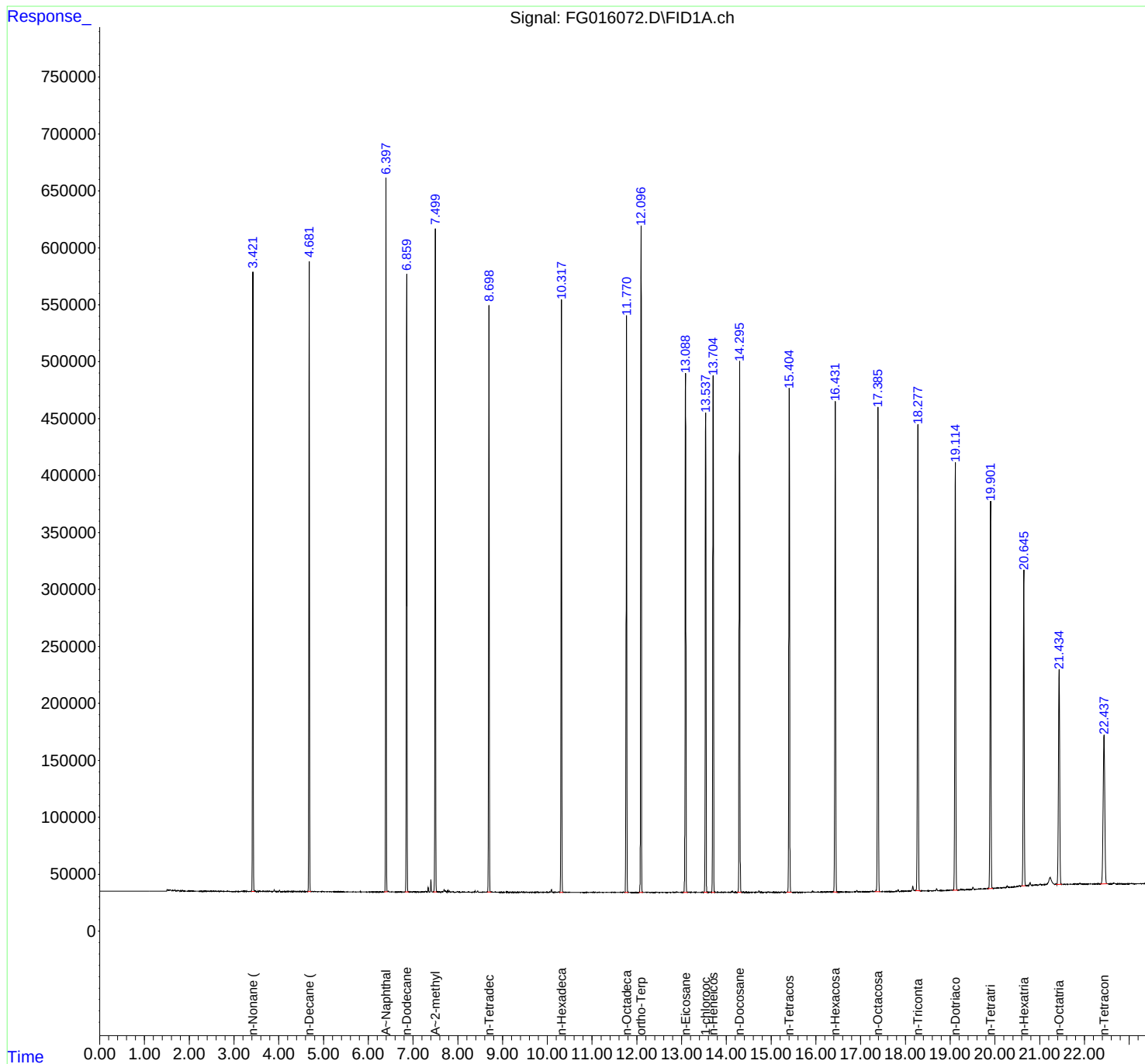
(m)=manual int.

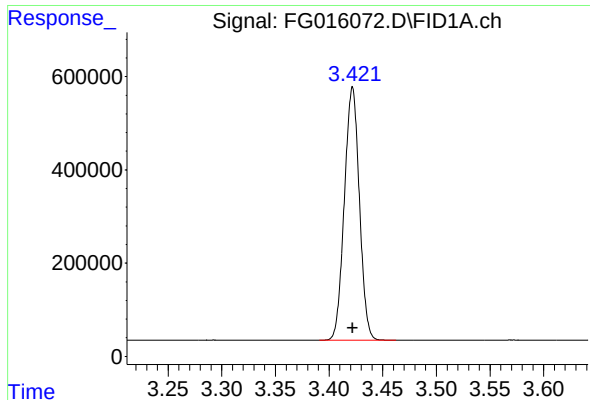
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016072.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 14:34
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Jun 16 06:41:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:39:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

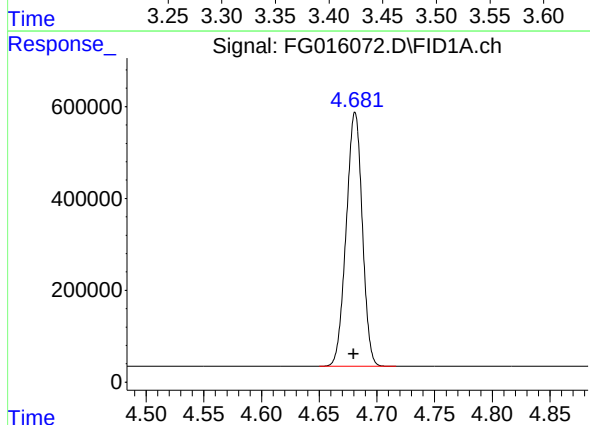




#1 n-Nonane (C9)

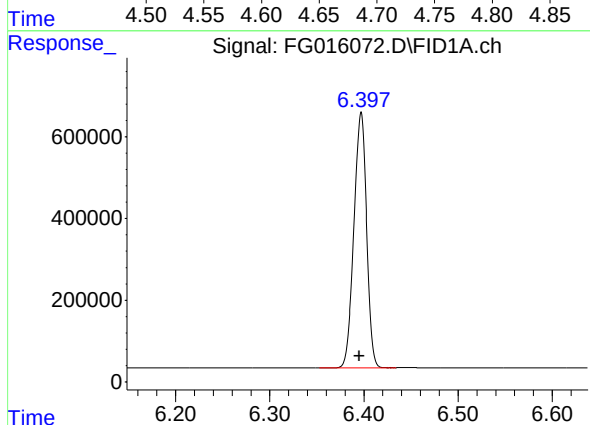
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 5282413
Conc: 50.05 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



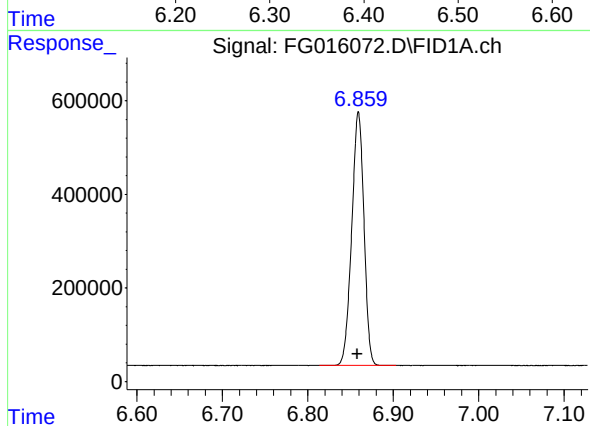
#2 n-Decane (C10)

R.T.: 4.681 min
Delta R.T.: 0.001 min
Response: 5358787
Conc: 50.06 ug/ml



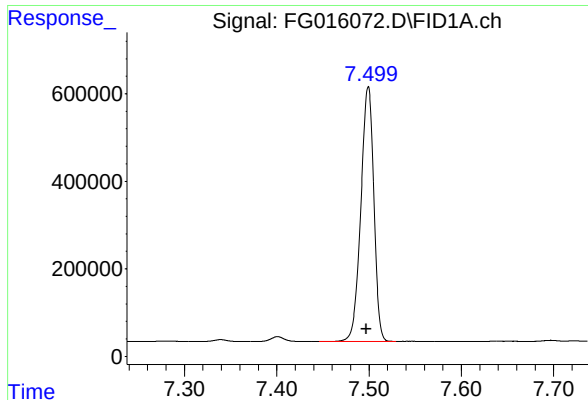
#3 A~Naphthalene (C11.7)

R.T.: 6.397 min
Delta R.T.: 0.002 min
Response: 5839682
Conc: 50.03 ug/ml



#4 n-Dodecane (C12)

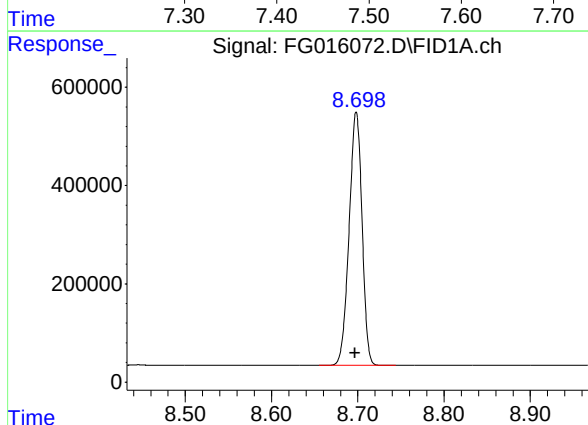
R.T.: 6.859 min
Delta R.T.: 0.001 min
Response: 5389005
Conc: 50.20 ug/ml



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

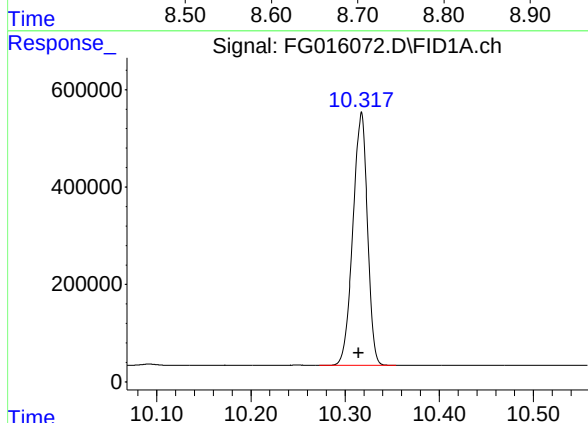
R.T.: 7.499 min
Delta R.T.: 0.002 min
Response: 5689440
Conc: 50.12 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



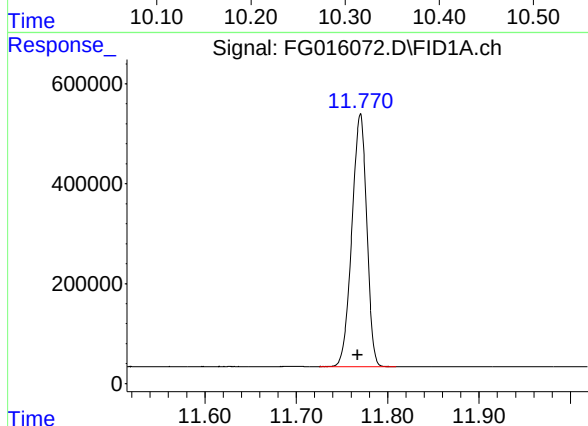
#6 n-Tetradecane (C14)

R.T.: 8.698 min
Delta R.T.: 0.002 min
Response: 5364151
Conc: 50.21 ug/ml



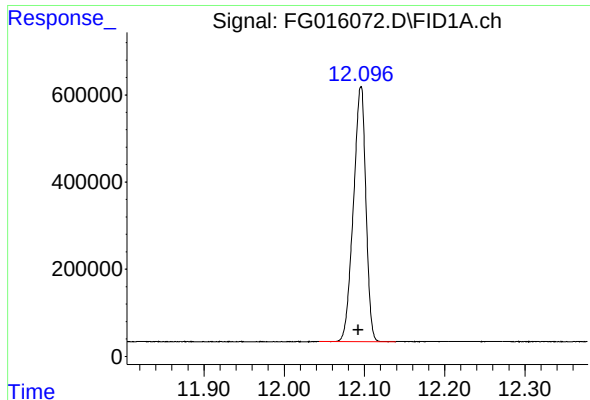
#7 n-Hexadecane (C16)

R.T.: 10.317 min
Delta R.T.: 0.003 min
Response: 5578750
Conc: 50.34 ug/ml



#8 n-Octadecane (C18)

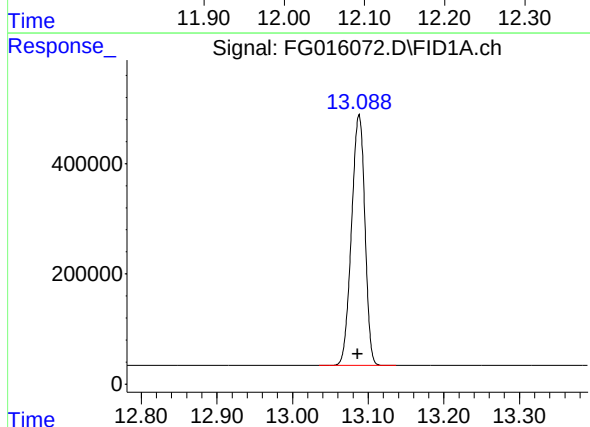
R.T.: 11.770 min
Delta R.T.: 0.003 min
Response: 5705865
Conc: 50.43 ug/ml



#9 ortho-Terphenyl (SURR)

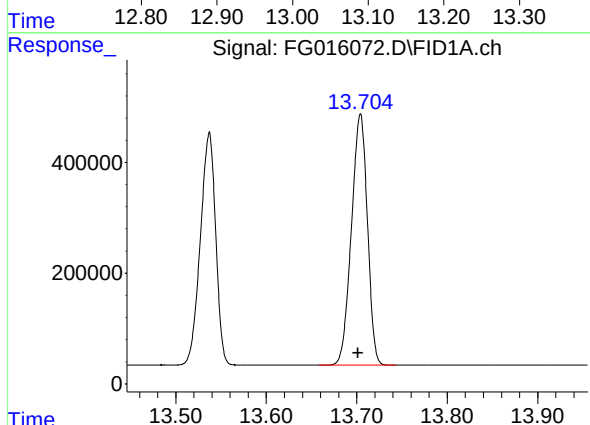
R.T.: 12.096 min
Delta R.T.: 0.003 min
Response: 6323398
Conc: 50.33 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



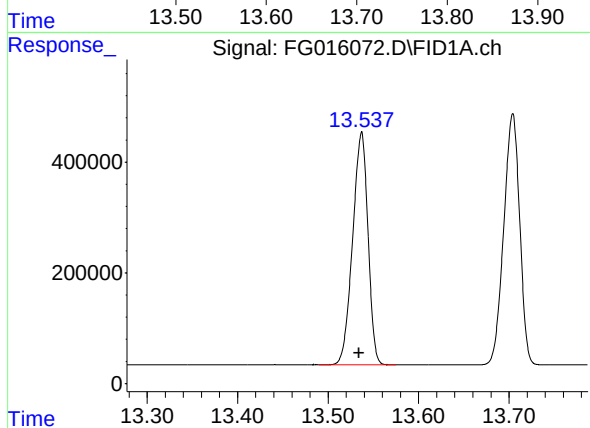
#10 n-Eicosane (C20)

R.T.: 13.088 min
Delta R.T.: 0.002 min
Response: 5586554
Conc: 50.46 ug/ml



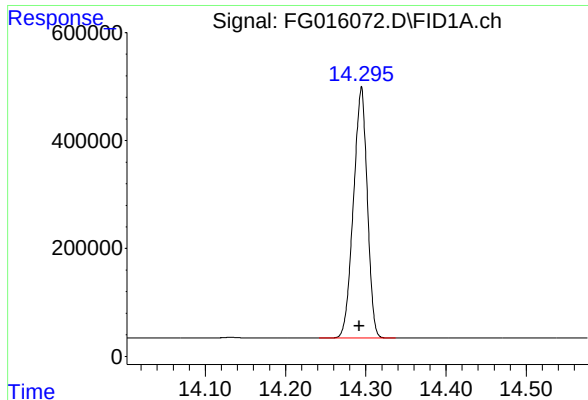
#11 n-Heneicosane (C21)

R.T.: 13.704 min
Delta R.T.: 0.003 min
Response: 5553509
Conc: 50.44 ug/ml



#12 1-chlorooctadecane (SURR)

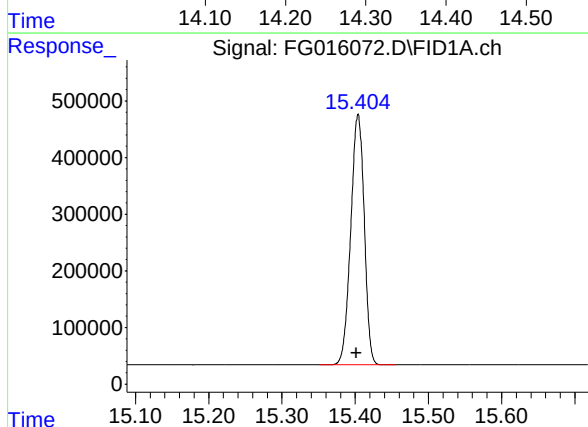
R.T.: 13.537 min
Delta R.T.: 0.003 min
Response: 4942965
Conc: 50.39 ug/ml



#13 n-Docosane (C22)

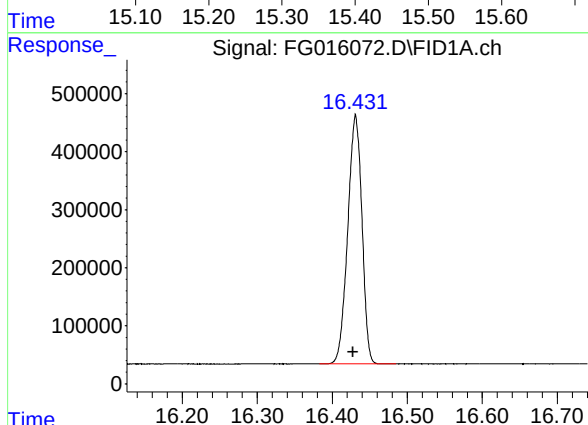
R.T.: 14.295 min
Delta R.T.: 0.003 min
Response: 5578784
Conc: 50.44 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



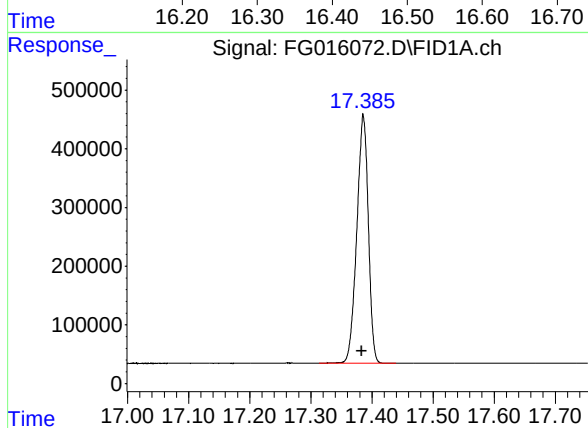
#14 n-Tetracosane (C24)

R.T.: 15.404 min
Delta R.T.: 0.003 min
Response: 5654747
Conc: 50.32 ug/ml



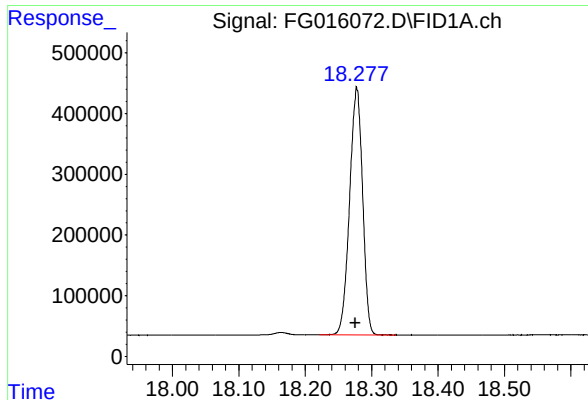
#15 n-Hexacosane (C26)

R.T.: 16.431 min
Delta R.T.: 0.003 min
Response: 5630584
Conc: 50.11 ug/ml



#16 n-Octacosane (C28)

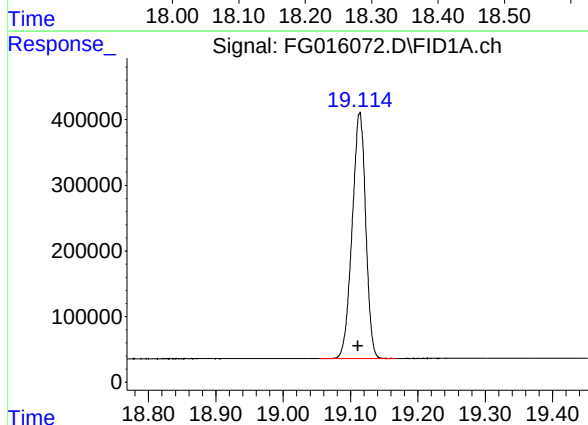
R.T.: 17.386 min
Delta R.T.: 0.003 min
Response: 5542792
Conc: 50.00 ug/ml



#17 n-Tricontane (C30)

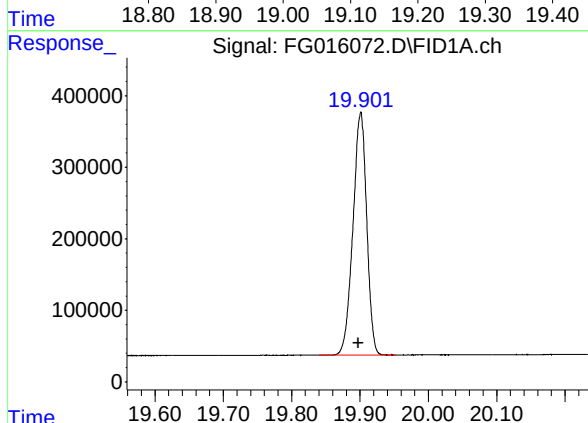
R.T.: 18.278 min
Delta R.T.: 0.003 min
Response: 5543018
Conc: 49.41 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



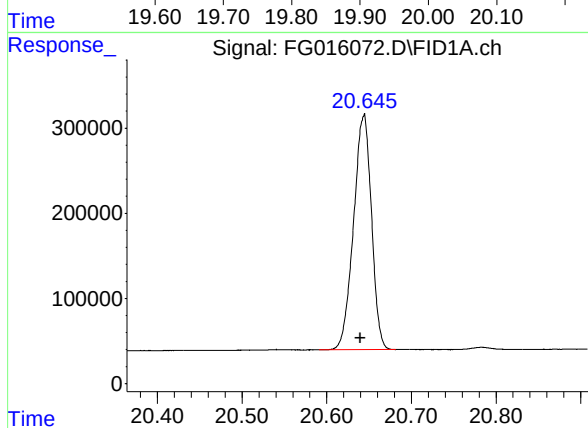
#18 n-Dotriacontane (C32)

R.T.: 19.114 min
Delta R.T.: 0.002 min
Response: 5238666
Conc: 48.88 ug/ml



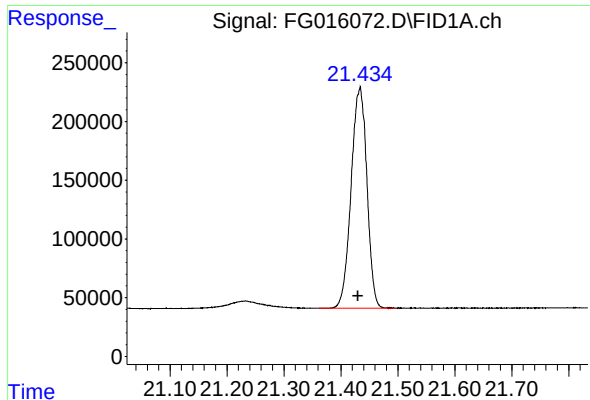
#19 n-Tetatriacontane (C34)

R.T.: 19.901 min
Delta R.T.: 0.003 min
Response: 4741671
Conc: 48.67 ug/ml



#20 n-Hexatriacontane (C36)

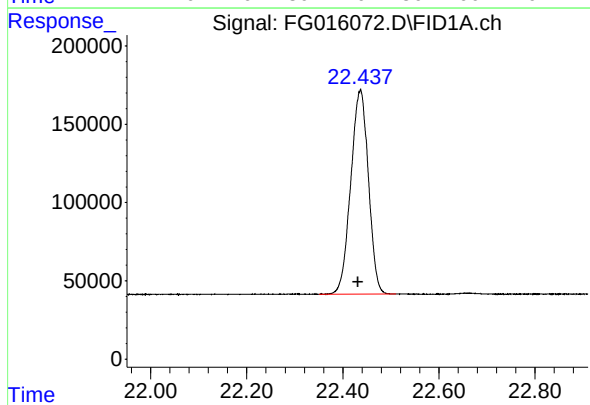
R.T.: 20.644 min
Delta R.T.: 0.004 min
Response: 4064127
Conc: 48.52 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.434 min
Delta R.T.: 0.003 min
Response: 3616216
Conc: 48.57 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.437 min
Delta R.T.: 0.005 min
Response: 3330661
Conc: 48.73 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016072.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 14:34
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.422	3.391	3.463	BB	543888	5282413	83.54%	4.571%
2	4.681	4.650	4.717	BB	553263	5358787	84.75%	4.637%
3	6.397	6.353	6.434	BV	627309	5839682	92.35%	5.054%
4	6.859	6.813	6.903	BB	542258	5389005	85.22%	4.664%
5	7.499	7.446	7.529	BB	581901	5689440	89.97%	4.924%
6	8.698	8.655	8.744	BB	515326	5364151	84.83%	4.642%
7	10.317	10.273	10.354	BB	520515	5578750	88.22%	4.828%
8	11.770	11.725	11.809	BB	504995	5705865	90.23%	4.938%
9	12.096	12.043	12.139	BB	585107	6323398	100.00%	5.472%
10	13.088	13.035	13.137	BB	456224	5586554	88.35%	4.835%
11	13.537	13.490	13.575	BB	421902	4942965	78.17%	4.278%
12	13.704	13.658	13.743	BB	453752	5553509	87.82%	4.806%
13	14.295	14.242	14.338	BB	467118	5578784	88.22%	4.828%
14	15.404	15.351	15.456	BB	442544	5654747	89.43%	4.894%
15	16.431	16.383	16.485	BB	429618	5630584	89.04%	4.873%
16	17.386	17.313	17.439	BB	423056	5542792	87.66%	4.797%
17	18.278	18.221	18.337	BB	407546	5543018	87.66%	4.797%
18	19.114	19.053	19.168	BB	373275	5238666	82.85%	4.533%
19	19.901	19.840	19.953	BB	339150	4741671	74.99%	4.103%
20	20.644	20.591	20.682	BB	275777	4064127	64.27%	3.517%
21	21.434	21.362	21.497	BB	187569	3616216	57.19%	3.129%
22	22.437	22.350	22.510	BB	130908	3330661	52.67%	2.882%
Sum of corrected areas:						115555784		

Aliphatic EPH 061325.M Mon Jun 16 07:04:16 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016073.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 15:03
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Jun 16 06:41:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:39:56 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)	12.092	2512588	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.534	1961882	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.422	2110859	20.000 ug/ml
2) T n-Decane (C10)	4.680	2141056	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.395	2334263	20.000 ug/ml
4) T n-Dodecane (C12)	6.858	2147185	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.497	2270238	20.000 ug/ml
6) T n-Tetradecane (C14)	8.697	2136654	20.000 ug/ml
7) T n-Hexadecane (C16)	10.315	2216423	20.000 ug/ml
8) T n-Octadecane (C18)	11.767	2262977	20.000 ug/ml
10) T n-Eicosane (C20)	13.086	2214059	20.000 ug/ml
11) T n-Heneicosane (C21)	13.701	2201898	20.000 ug/ml
13) T n-Docosane (C22)	14.292	2211918	20.000 ug/ml
14) T n-Tetracosane (C24)	15.401	2247523	20.000 ug/ml
15) T n-Hexacosane (C26)	16.428	2247292	20.000 ug/ml
16) T n-Octacosane (C28)	17.383	2217254	20.000 ug/ml
17) T n-Tricontane (C30)	18.275	2243899	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.111	2143536	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.898	1948322	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.640	1675390	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.430	1489170	20.000 ug/ml
22) T n-Tetracontane (C40)	22.432	1367074	20.000 ug/ml

(f)=RT Delta > 1/2 Window

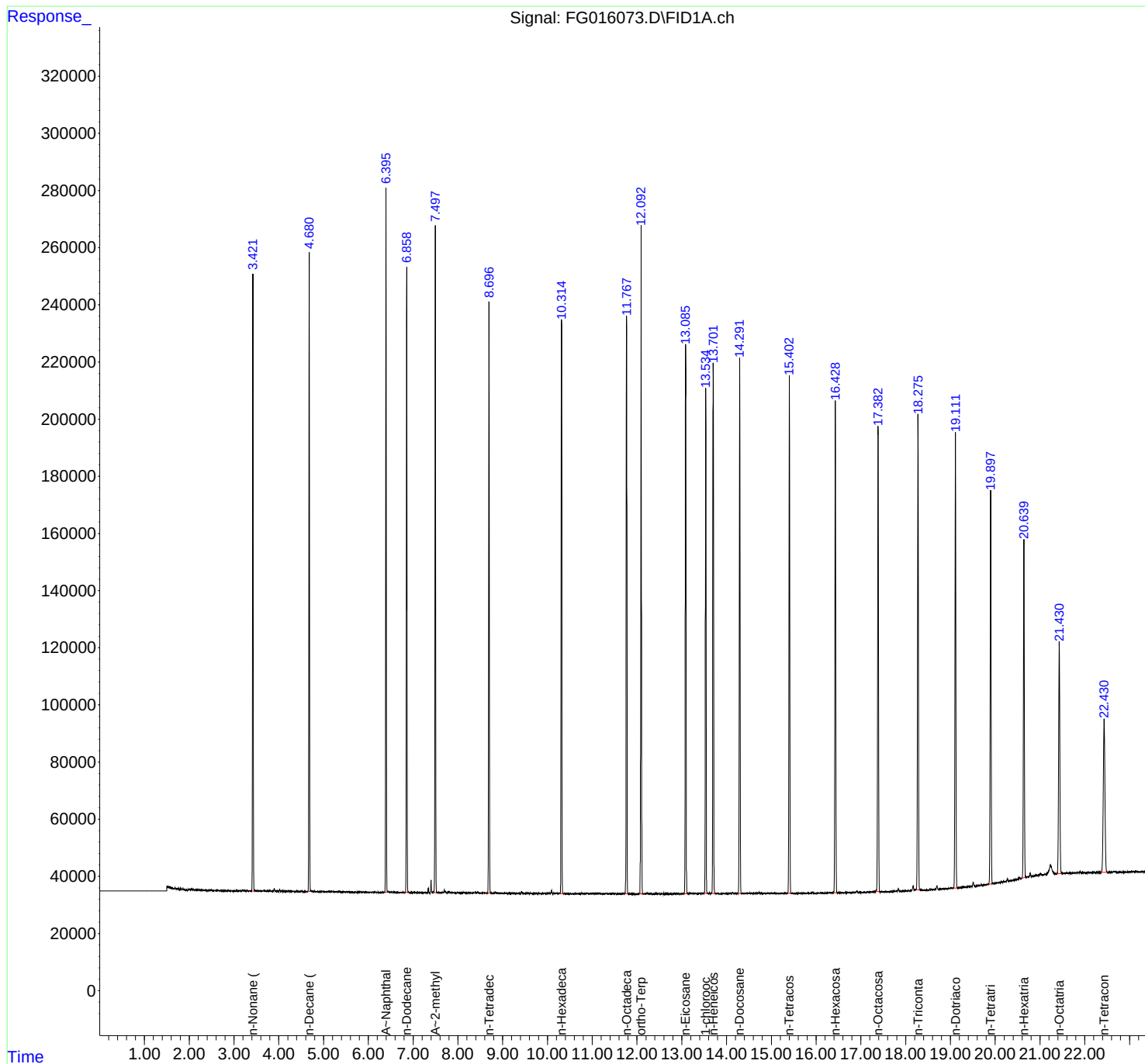
(m)=manual int.

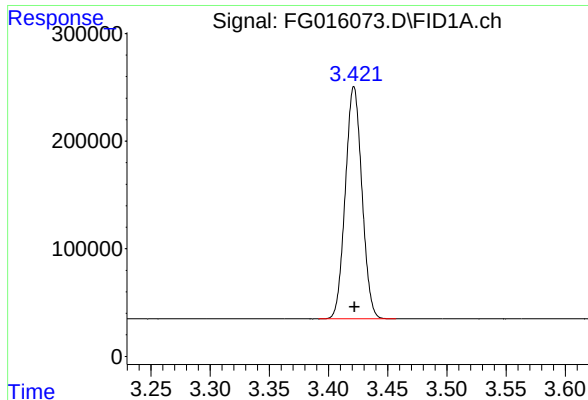
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016073.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 15:03
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jun 16 06:41:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:39:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

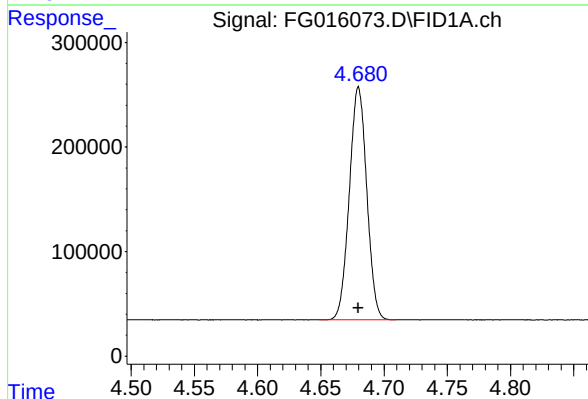




#1 n-Nonane (C9)

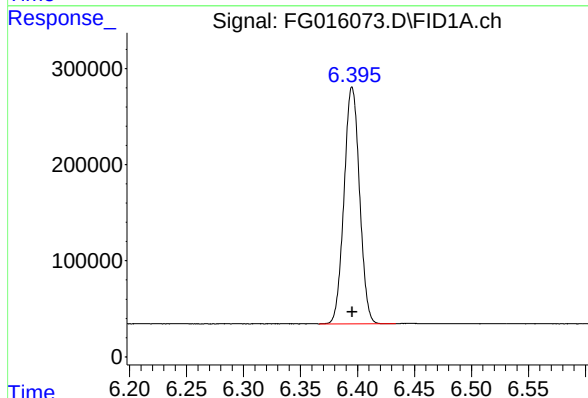
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 2110859
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



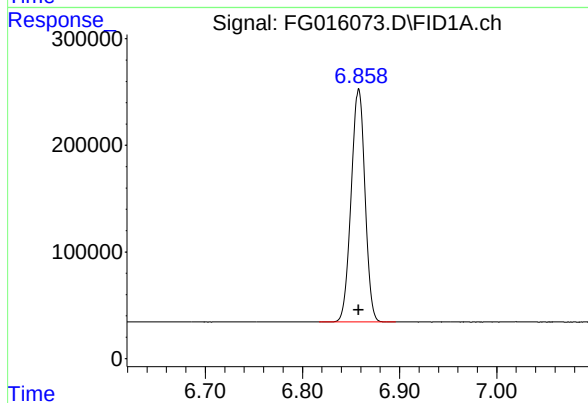
#2 n-Decane (C10)

R.T.: 4.680 min
Delta R.T.: 0.000 min
Response: 2141056
Conc: 20.00 ug/ml



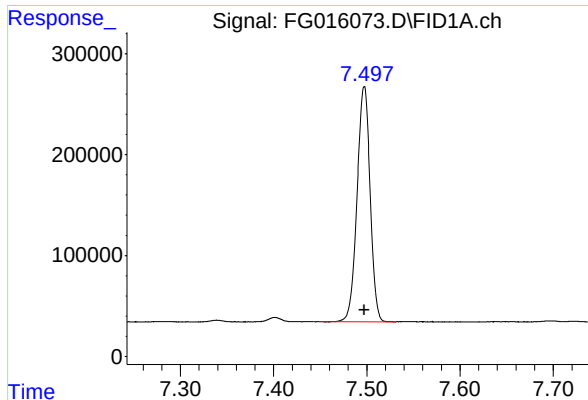
#3 A~Naphthalene (C11.7)

R.T.: 6.395 min
Delta R.T.: 0.000 min
Response: 2334263
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

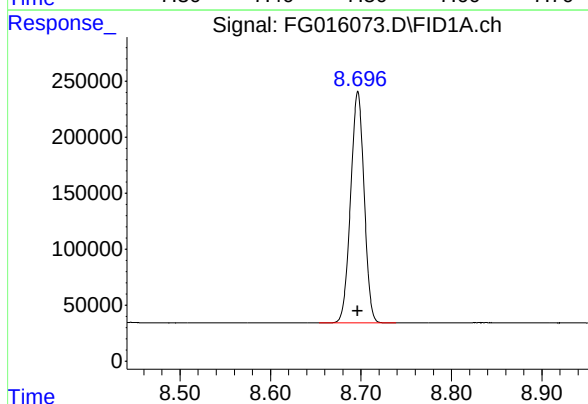
R.T.: 6.858 min
Delta R.T.: 0.000 min
Response: 2147185
Conc: 20.00 ug/ml



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

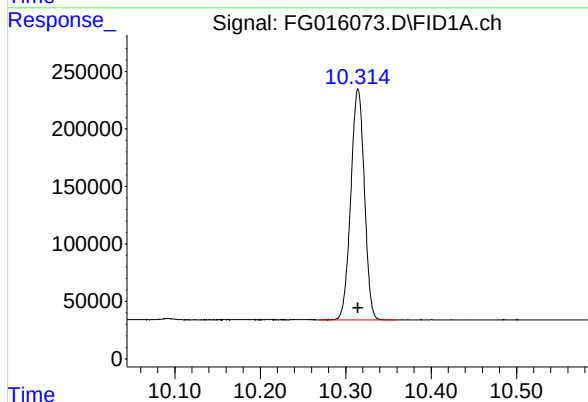
R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 2270238
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



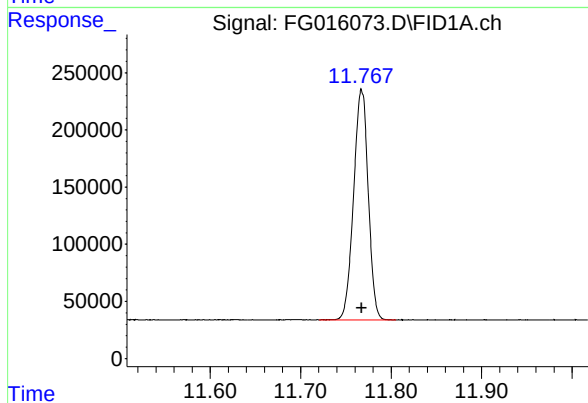
#6 n-Tetradecane (C14)

R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 2136654
Conc: 20.00 ug/ml



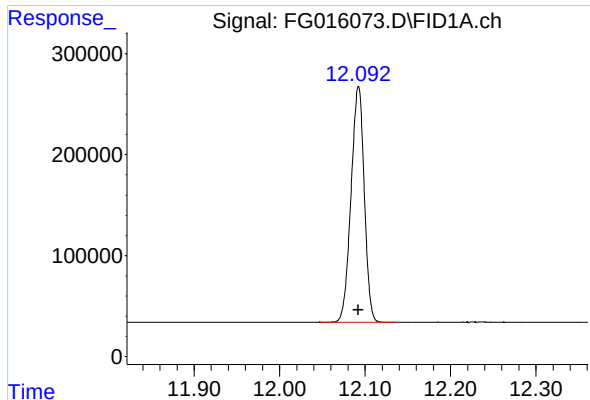
#7 n-Hexadecane (C16)

R.T.: 10.315 min
Delta R.T.: 0.000 min
Response: 2216423
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

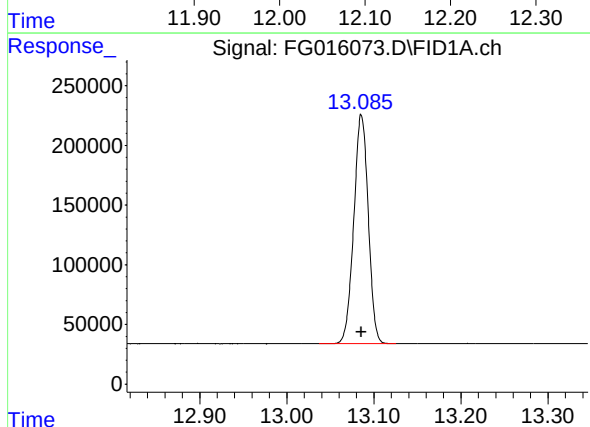
R.T.: 11.767 min
Delta R.T.: 0.000 min
Response: 2262977
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

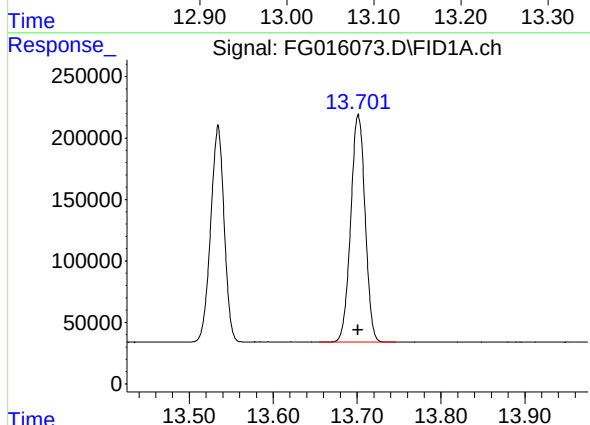
R.T.: 12.092 min
Delta R.T.: 0.000 min
Response: 2512588
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



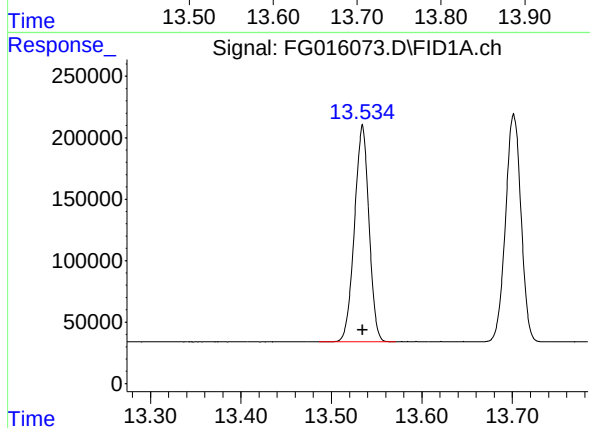
#10 n-Eicosane (C20)

R.T.: 13.086 min
Delta R.T.: 0.000 min
Response: 2214059
Conc: 20.00 ug/ml



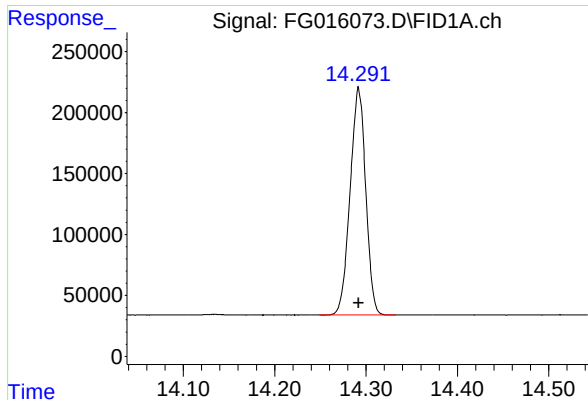
#11 n-Heneicosane (C21)

R.T.: 13.701 min
Delta R.T.: 0.000 min
Response: 2201898
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

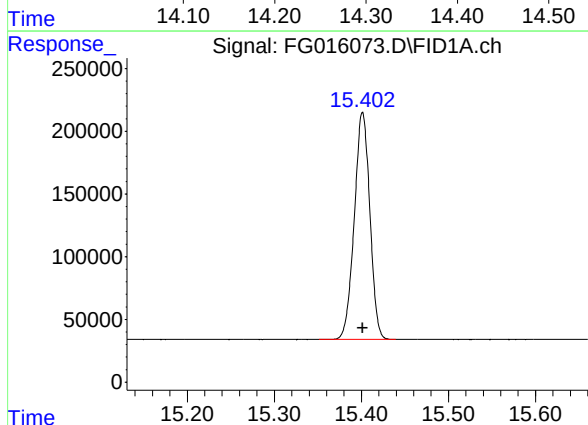
R.T.: 13.534 min
Delta R.T.: 0.000 min
Response: 1961882
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

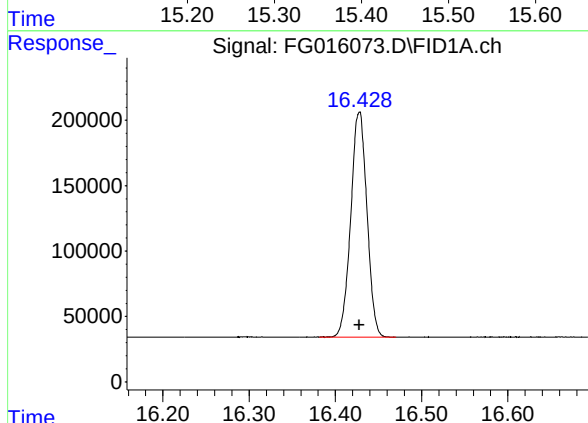
R.T.: 14.292 min
Delta R.T.: 0.000 min
Response: 2211918
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



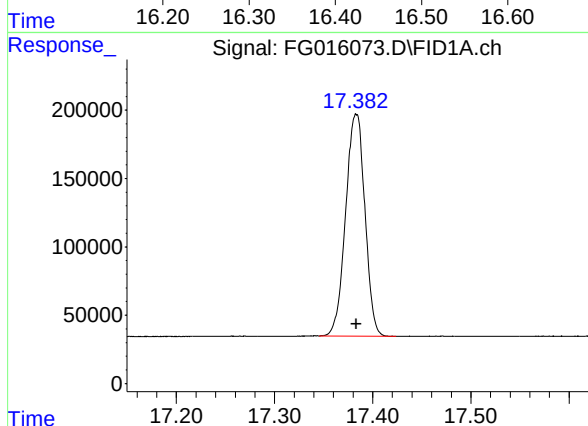
#14 n-Tetracosane (C24)

R.T.: 15.401 min
Delta R.T.: 0.000 min
Response: 2247523
Conc: 20.00 ug/ml



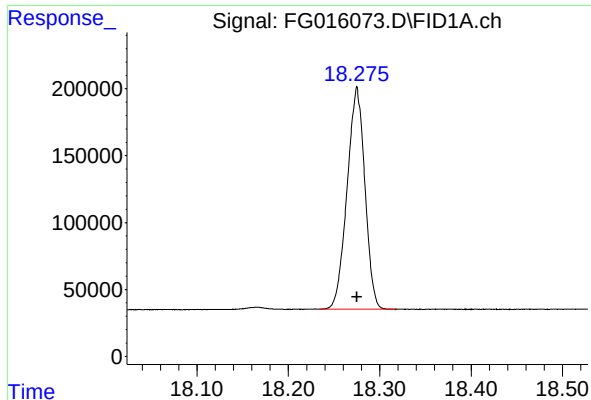
#15 n-Hexacosane (C26)

R.T.: 16.428 min
Delta R.T.: 0.000 min
Response: 2247292
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

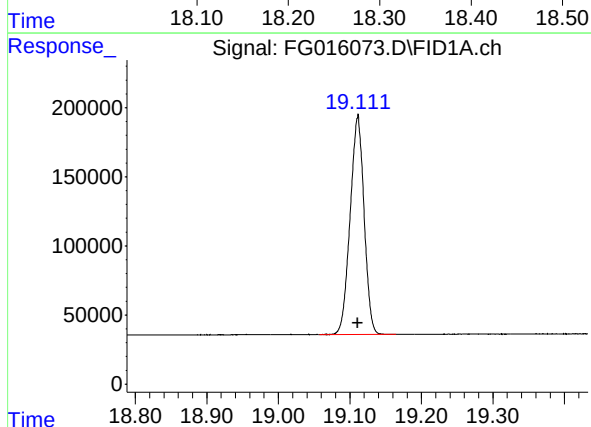
R.T.: 17.383 min
Delta R.T.: 0.000 min
Response: 2217254
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

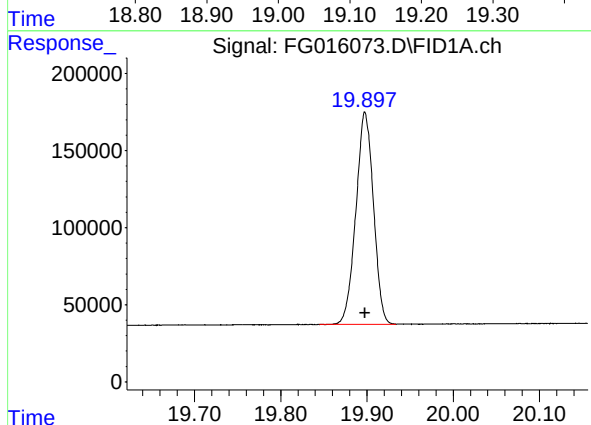
R.T.: 18.275 min
Delta R.T.: 0.000 min
Response: 2243899
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



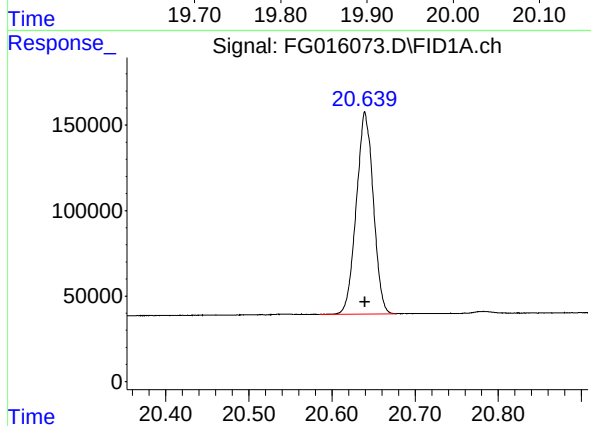
#18 n-Dotriacontane (C32)

R.T.: 19.111 min
Delta R.T.: 0.000 min
Response: 2143536
Conc: 20.00 ug/ml



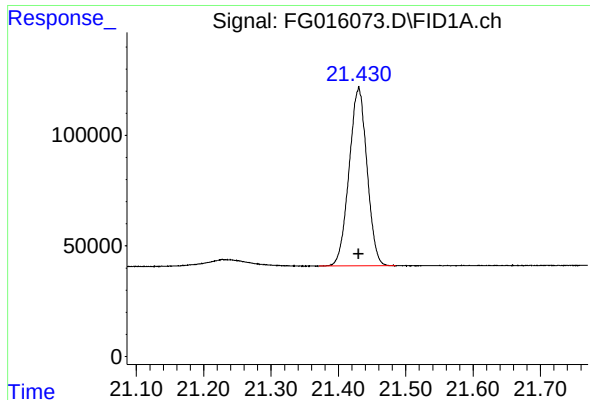
#19 n-Tetratriacontane (C34)

R.T.: 19.898 min
Delta R.T.: 0.000 min
Response: 1948322
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

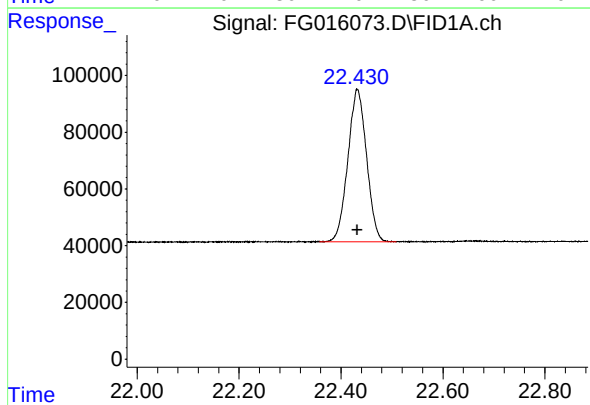
R.T.: 20.640 min
Delta R.T.: 0.000 min
Response: 1675390
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.430 min
Delta R.T.: 0.000 min
Response: 1489170
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.432 min
Delta R.T.: 0.000 min
Response: 1367074
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016073.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 15:03
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.422	3.392	3.457	BB	215954	2110859	84.01%	4.559%
2	4.680	4.649	4.710	BB	223012	2141056	85.21%	4.624%
3	6.395	6.366	6.434	BB	246459	2334263	92.90%	5.041%
4	6.858	6.817	6.896	BB	218683	2147185	85.46%	4.637%
5	7.497	7.449	7.531	BB	233356	2270238	90.35%	4.903%
6	8.697	8.654	8.739	BB	207028	2136654	85.04%	4.615%
7	10.315	10.269	10.359	BB	200667	2216423	88.21%	4.787%
8	11.767	11.720	11.805	BB	200267	2262977	90.07%	4.887%
9	12.092	12.046	12.136	BB	233767	2512588	100.00%	5.427%
10	13.086	13.037	13.125	BB	191623	2214059	88.12%	4.782%
11	13.534	13.486	13.571	BB	176573	1961882	78.08%	4.237%
12	13.701	13.655	13.746	BB	185016	2201898	87.63%	4.756%
13	14.292	14.249	14.333	BB	186757	2211918	88.03%	4.777%
14	15.401	15.351	15.440	BB	180924	2247523	89.45%	4.854%
15	16.428	16.381	16.470	BB	171976	2247292	89.44%	4.854%
16	17.383	17.345	17.424	BB	161770	2217254	88.25%	4.789%
17	18.275	18.234	18.318	BB	166537	2243899	89.31%	4.846%
18	19.111	19.057	19.165	BB	158160	2143536	85.31%	4.630%
19	19.898	19.845	19.934	BB	137655	1948322	77.54%	4.208%
20	20.640	20.585	20.677	BB	118225	1675390	66.68%	3.618%
21	21.430	21.371	21.485	BB	81200	1489170	59.27%	3.216%
22	22.432	22.357	22.508	BB	53553	1367074	54.41%	2.953%
Sum of corrected areas:							46301461	

Aliphatic EPH 061325.M Mon Jun 16 07:05:26 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016074.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 15:33
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Jun 16 06:41:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:39:56 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)	12.091	1286511	10.241 ug/ml
Spiked Amount 50.000		Recovery =	20.48%
12) S 1-chlorooctadecane (S...	13.534	1004341	10.239 ug/ml
Spiked Amount 50.000		Recovery =	20.48%
Target Compounds			
1) T n-Nonane (C9)	3.421	1080527	10.238 ug/ml
2) T n-Decane (C10)	4.680	1095102	10.230 ug/ml
3) T A~Naphthalene (C11.7)	6.396	1191754	10.211 ug/ml
4) T n-Dodecane (C12)	6.858	1097786	10.225 ug/ml
5) T A~2-methylnaphthalene...	7.497	1159323	10.213 ug/ml
6) T n-Tetradecane (C14)	8.696	1095723	10.256 ug/ml
7) T n-Hexadecane (C16)	10.314	1133303	10.226 ug/ml
8) T n-Octadecane (C18)	11.766	1158461	10.238 ug/ml
10) T n-Eicosane (C20)	13.084	1134527	10.248 ug/ml
11) T n-Heneicosane (C21)	13.701	1127454	10.241 ug/ml
13) T n-Docosane (C22)	14.290	1133031	10.245 ug/ml
14) T n-Tetracosane (C24)	15.400	1150621	10.239 ug/ml
15) T n-Hexacosane (C26)	16.427	1150749	10.241 ug/ml
16) T n-Octacosane (C28)	17.382	1138837	10.272 ug/ml
17) T n-Tricontane (C30)	18.273	1151501	10.263 ug/ml
18) T n-Dotriacontane (C32)	19.110	1100779	10.271 ug/ml
19) T n-Tetratriacontane (C34)	19.897	1003430	10.300 ug/ml
20) T n-Hexatriacontane (C36)	20.641	862082	10.291 ug/ml
21) T n-Octatriacontane (C38)	21.429	766676	10.297 ug/ml
22) T n-Tetracontane (C40)	22.435	703828	10.297 ug/ml

(f)=RT Delta > 1/2 Window

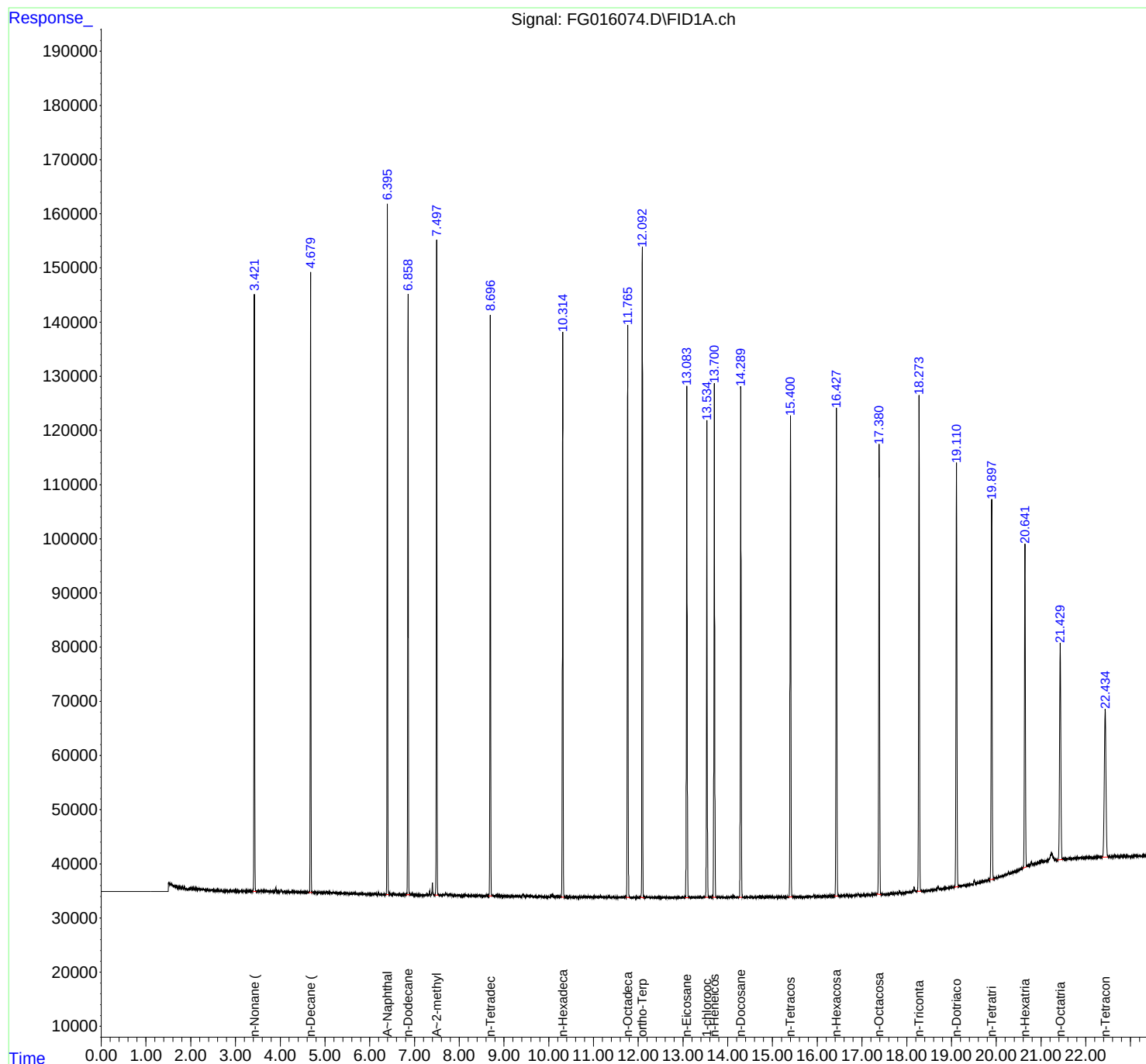
(m)=manual int.

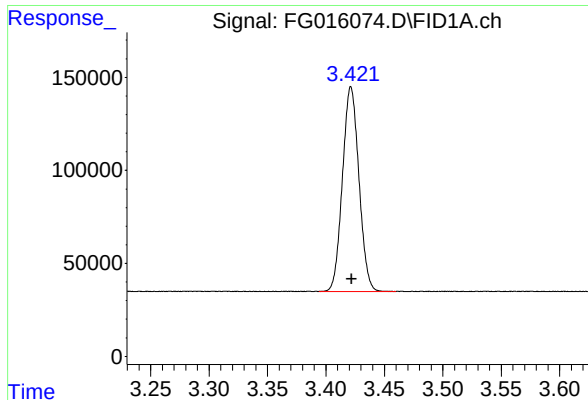
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016074.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 15:33
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jun 16 06:41:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:39:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

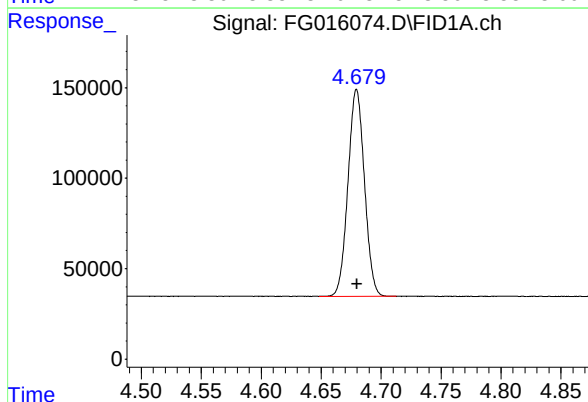




#1 n-Nonane (C9)

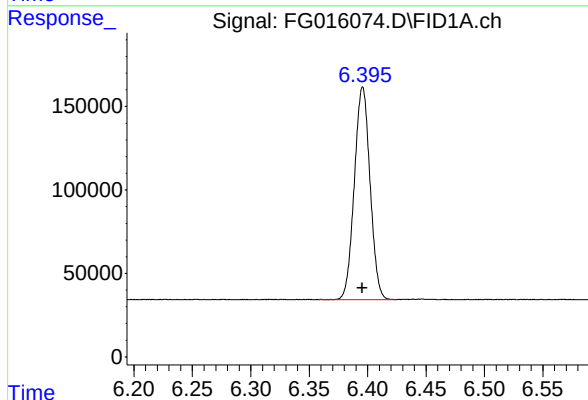
R.T.: 3.421 min
Delta R.T.: 0.000 min
Response: 1080527
Conc: 10.24 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



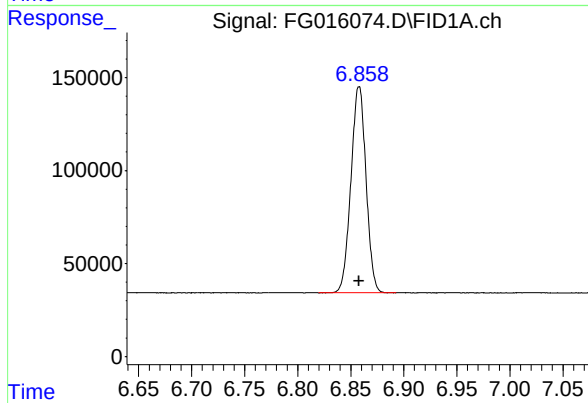
#2 n-Decane (C10)

R.T.: 4.680 min
Delta R.T.: 0.000 min
Response: 1095102
Conc: 10.23 ug/ml



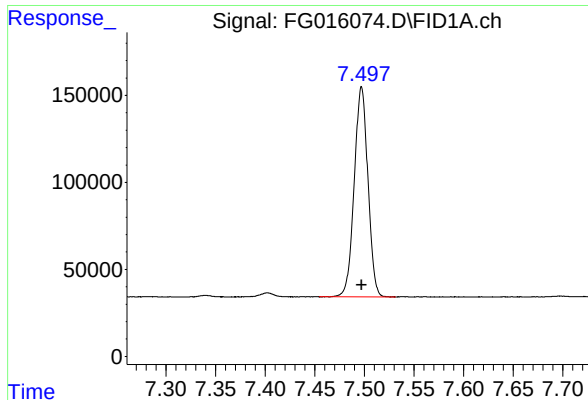
#3 A~Naphthalene (C11.7)

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 1191754
Conc: 10.21 ug/ml



#4 n-Dodecane (C12)

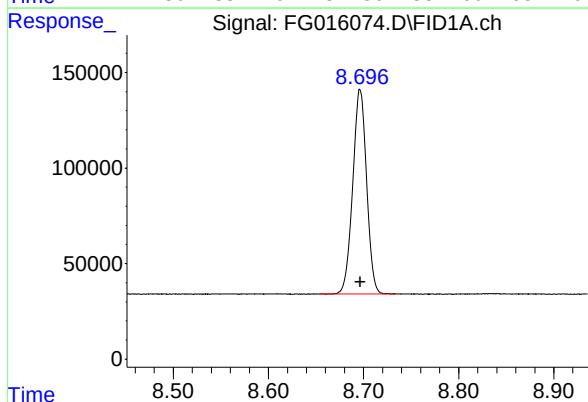
R.T.: 6.858 min
Delta R.T.: 0.000 min
Response: 1097786
Conc: 10.23 ug/ml



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

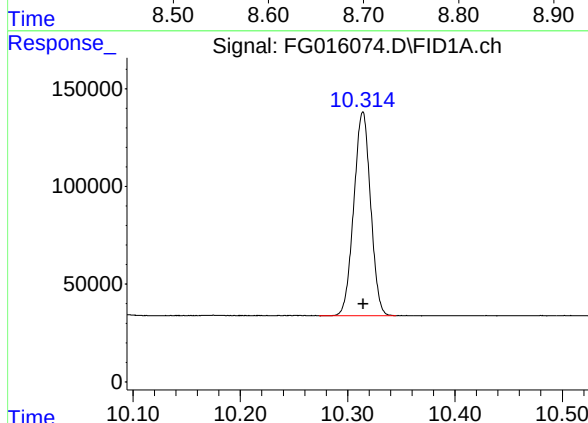
R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 1159323
Conc: 10.21 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



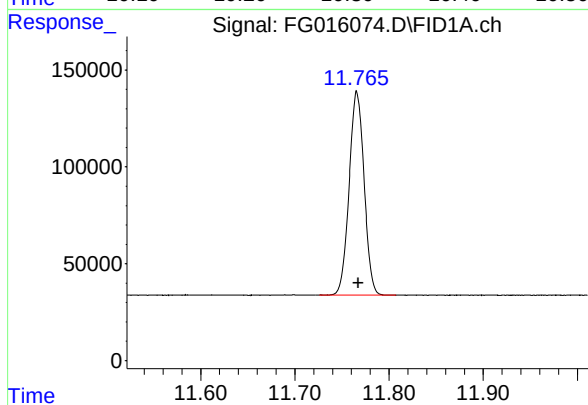
#6 n-Tetradecane (C14)

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 1095723
Conc: 10.26 ug/ml



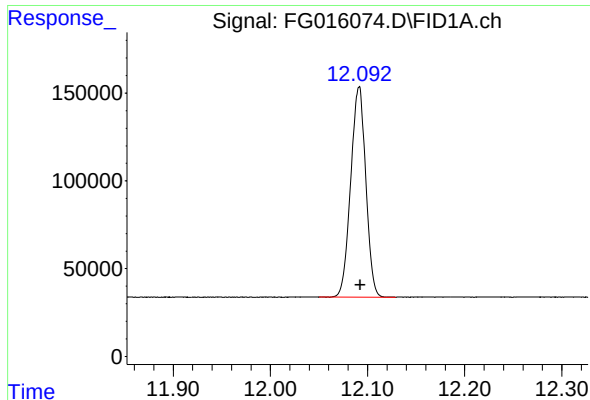
#7 n-Hexadecane (C16)

R.T.: 10.314 min
Delta R.T.: 0.000 min
Response: 1133303
Conc: 10.23 ug/ml



#8 n-Octadecane (C18)

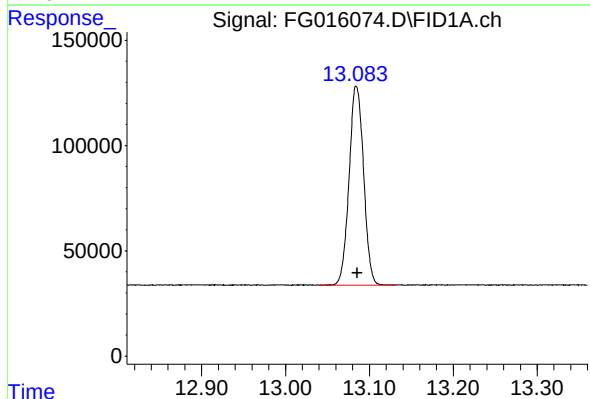
R.T.: 11.766 min
Delta R.T.: -0.002 min
Response: 1158461
Conc: 10.24 ug/ml



#9 ortho-Terphenyl (SURR)

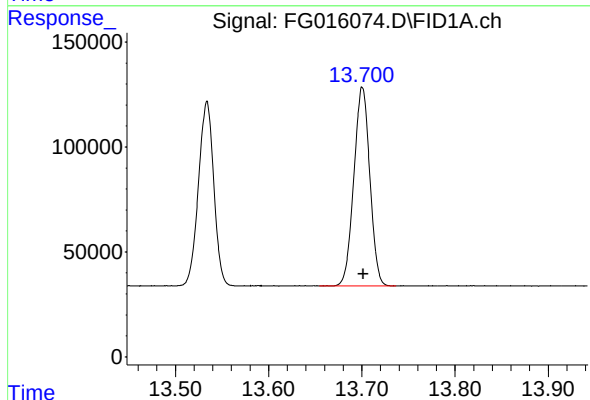
R.T.: 12.091 min
Delta R.T.: -0.001 min
Response: 1286511
Conc: 10.24 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



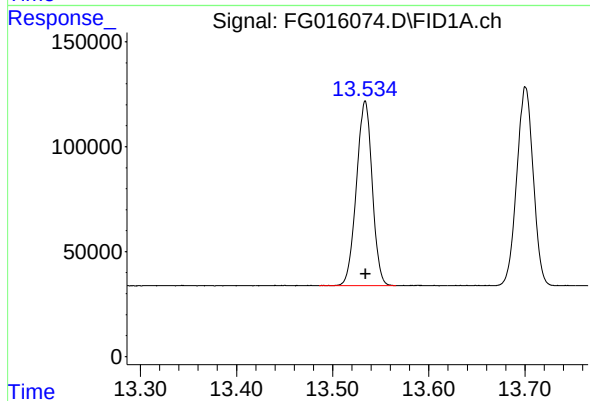
#10 n-Eicosane (C20)

R.T.: 13.084 min
Delta R.T.: -0.001 min
Response: 1134527
Conc: 10.25 ug/ml



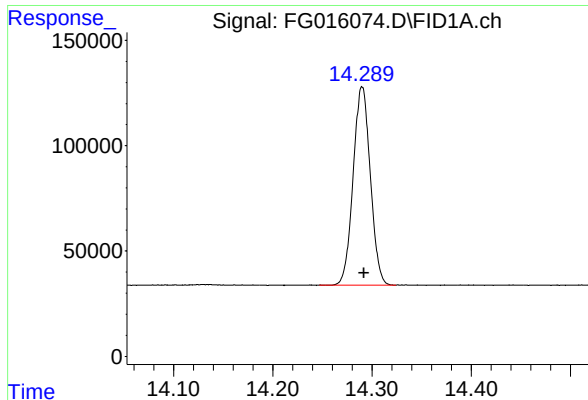
#11 n-Heneicosane (C21)

R.T.: 13.701 min
Delta R.T.: 0.000 min
Response: 1127454
Conc: 10.24 ug/ml



#12 1-chlorooctadecane (SURR)

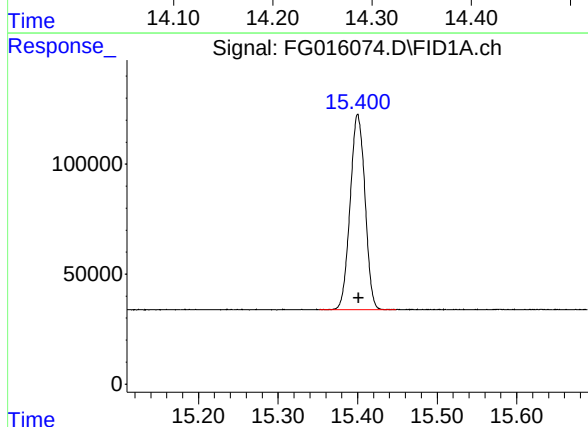
R.T.: 13.534 min
Delta R.T.: 0.000 min
Response: 1004341
Conc: 10.24 ug/ml



#13 n-Docosane (C22)

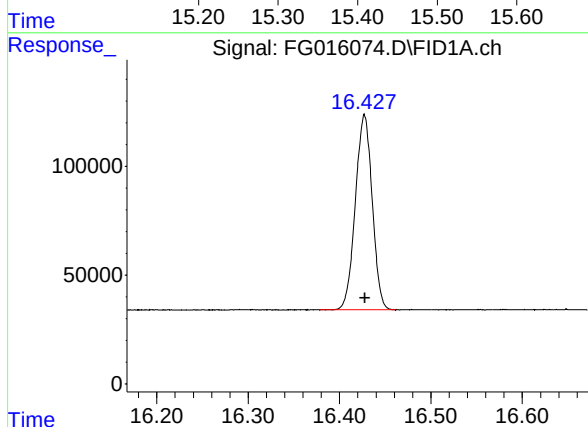
R.T.: 14.290 min
Delta R.T.: -0.002 min
Response: 1133031
Conc: 10.24 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



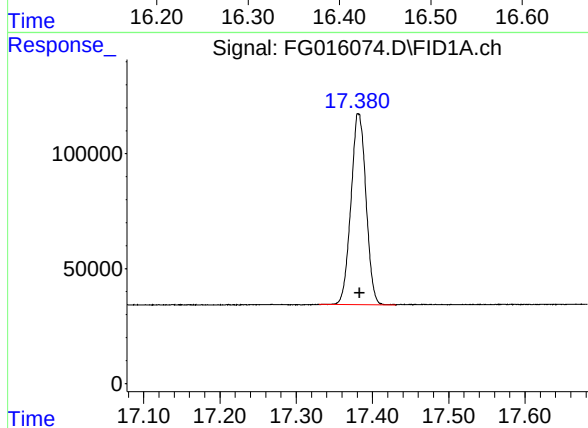
#14 n-Tetracosane (C24)

R.T.: 15.400 min
Delta R.T.: -0.001 min
Response: 1150621
Conc: 10.24 ug/ml



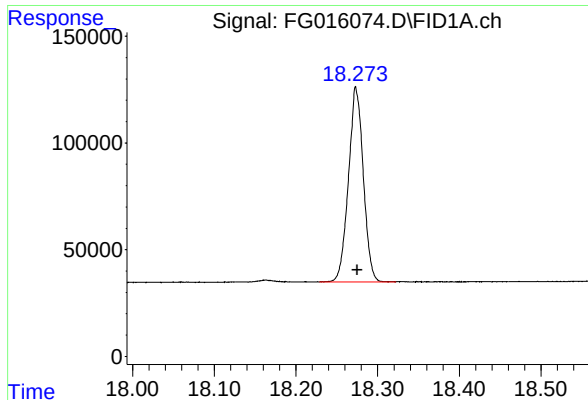
#15 n-Hexacosane (C26)

R.T.: 16.427 min
Delta R.T.: 0.000 min
Response: 1150749
Conc: 10.24 ug/ml



#16 n-Octacosane (C28)

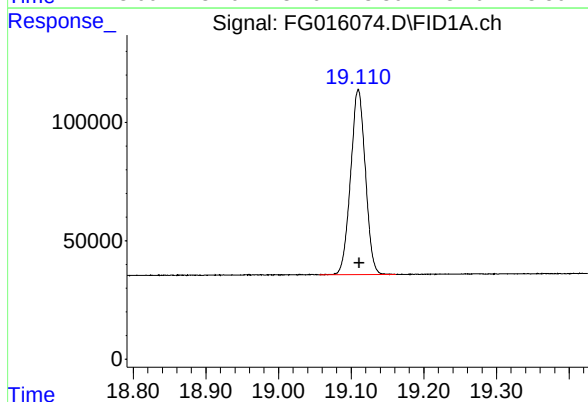
R.T.: 17.382 min
Delta R.T.: -0.002 min
Response: 1138837
Conc: 10.27 ug/ml



#17 n-Tricontane (C30)

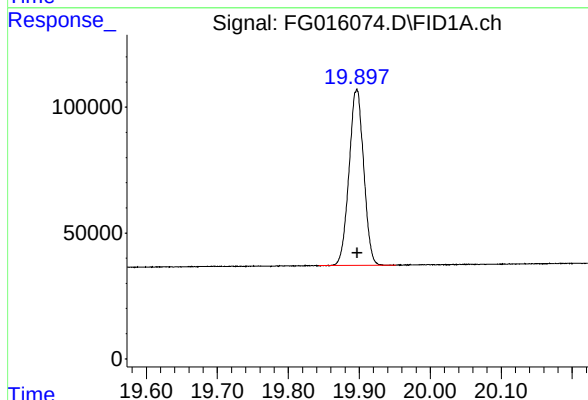
R.T.: 18.273 min
Delta R.T.: -0.002 min
Response: 1151501
Conc: 10.26 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



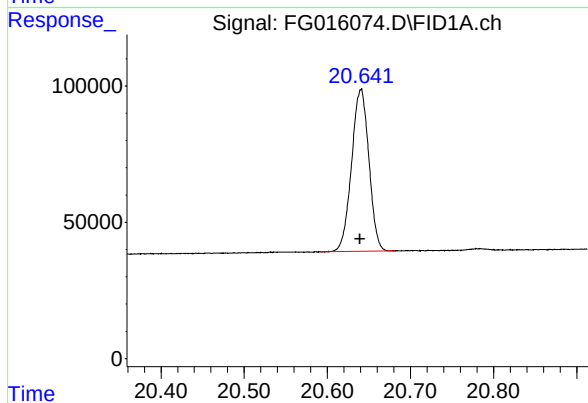
#18 n-Dotriacontane (C32)

R.T.: 19.110 min
Delta R.T.: -0.001 min
Response: 1100779
Conc: 10.27 ug/ml



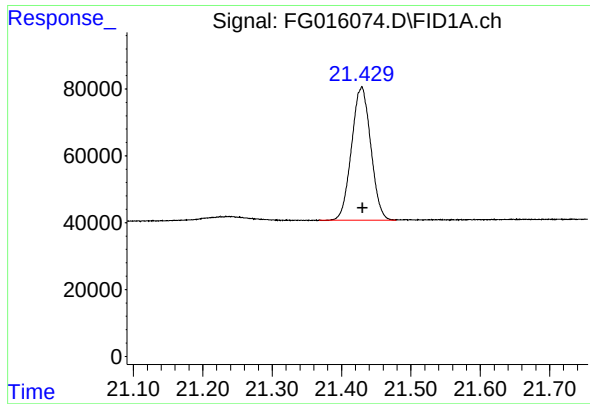
#19 n-Tetatriacontane (C34)

R.T.: 19.897 min
Delta R.T.: -0.001 min
Response: 1003430
Conc: 10.30 ug/ml



#20 n-Hexatriacontane (C36)

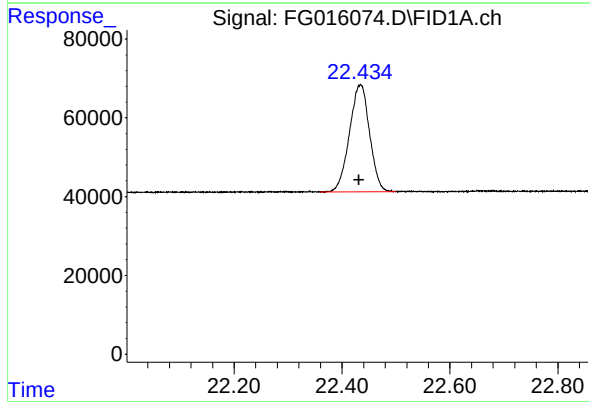
R.T.: 20.641 min
Delta R.T.: 0.000 min
Response: 862082
Conc: 10.29 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.429 min
Delta R.T.: 0.000 min
Response: 766676
Conc: 10.30 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.435 min
Delta R.T.: 0.003 min
Response: 703828
Conc: 10.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016074.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 15:33
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.421	3.394	3.460	BB	110148	1080527	83.99%	4.554%
2	4.680	4.648	4.713	BB	114547	1095102	85.12%	4.616%
3	6.396	6.358	6.424	BB	127447	1191754	92.63%	5.023%
4	6.858	6.820	6.893	BB	110851	1097786	85.33%	4.627%
5	7.497	7.454	7.532	BB	120590	1159323	90.11%	4.886%
6	8.696	8.653	8.734	BB	106899	1095723	85.17%	4.618%
7	10.314	10.273	10.345	BB	104318	1133303	88.09%	4.777%
8	11.766	11.726	11.808	BB	105022	1158461	90.05%	4.883%
9	12.091	12.050	12.129	BB	119787	1286511	100.00%	5.422%
10	13.084	13.040	13.132	BB	94323	1134527	88.19%	4.782%
11	13.534	13.486	13.566	BB	88092	1004341	78.07%	4.233%
12	13.701	13.654	13.737	BB	94496	1127454	87.64%	4.752%
13	14.290	14.247	14.324	BB	94175	1133031	88.07%	4.775%
14	15.400	15.352	15.448	BB	88694	1150621	89.44%	4.850%
15	16.427	16.378	16.462	BB	89763	1150749	89.45%	4.850%
16	17.382	17.330	17.431	BB	82997	1138837	88.52%	4.800%
17	18.273	18.228	18.323	BB	91227	1151501	89.51%	4.853%
18	19.110	19.056	19.162	BB	78328	1100779	85.56%	4.639%
19	19.897	19.843	19.952	BB	70173	1003430	78.00%	4.229%
20	20.641	20.590	20.683	BB	59420	862082	67.01%	3.633%
21	21.429	21.368	21.478	BB	39978	766676	59.59%	3.231%
22	22.435	22.358	22.500	BB	27167	703828	54.71%	2.966%
Sum of corrected areas:							23726347	

Aliphatic EPH 061325.M Mon Jun 16 07:05:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016075.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 16:02
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Jun 16 06:42:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:39:56 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)	12.089	705923	5.619 ug/ml
Spiked Amount 50.000		Recovery =	11.24%
12) S 1-chlorooctadecane (S...	13.532	550881	5.616 ug/ml
Spiked Amount 50.000		Recovery =	11.23%
Target Compounds			
1) T n-Nonane (C9)	3.422	595428	5.642 ug/ml
2) T n-Decane (C10)	4.680	602565	5.629 ug/ml
3) T A~Naphthalene (C11.7)	6.396	656045	5.621 ug/ml
4) T n-Dodecane (C12)	6.857	603165	5.618 ug/ml
5) T A~2-methylnaphthalene...	7.497	638058	5.621 ug/ml
6) T n-Tetradecane (C14)	8.696	604003	5.654 ug/ml
7) T n-Hexadecane (C16)	10.313	622758	5.619 ug/ml
8) T n-Octadecane (C18)	11.766	638246	5.641 ug/ml
10) T n-Eicosane (C20)	13.084	621489	5.614 ug/ml
11) T n-Heneicosane (C21)	13.701	620307	5.634 ug/ml
13) T n-Docosane (C22)	14.290	622270	5.627 ug/ml
14) T n-Tetracosane (C24)	15.400	632301	5.627 ug/ml
15) T n-Hexacosane (C26)	16.427	632980	5.633 ug/ml
16) T n-Octacosane (C28)	17.382	626234	5.649 ug/ml
17) T n-Tricontane (C30)	18.273	640242	5.707 ug/ml
18) T n-Dotriacontane (C32)	19.110	615463	5.743 ug/ml
19) T n-Tetratriacontane (C34)	19.897	558031	5.728 ug/ml
20) T n-Hexatriacontane (C36)	20.640	476929	5.693 ug/ml
21) T n-Octatriacontane (C38)	21.428	423048	5.682 ug/ml
22) T n-Tetracontane (C40)	22.431	380088	5.561 ug/ml

(f)=RT Delta > 1/2 Window

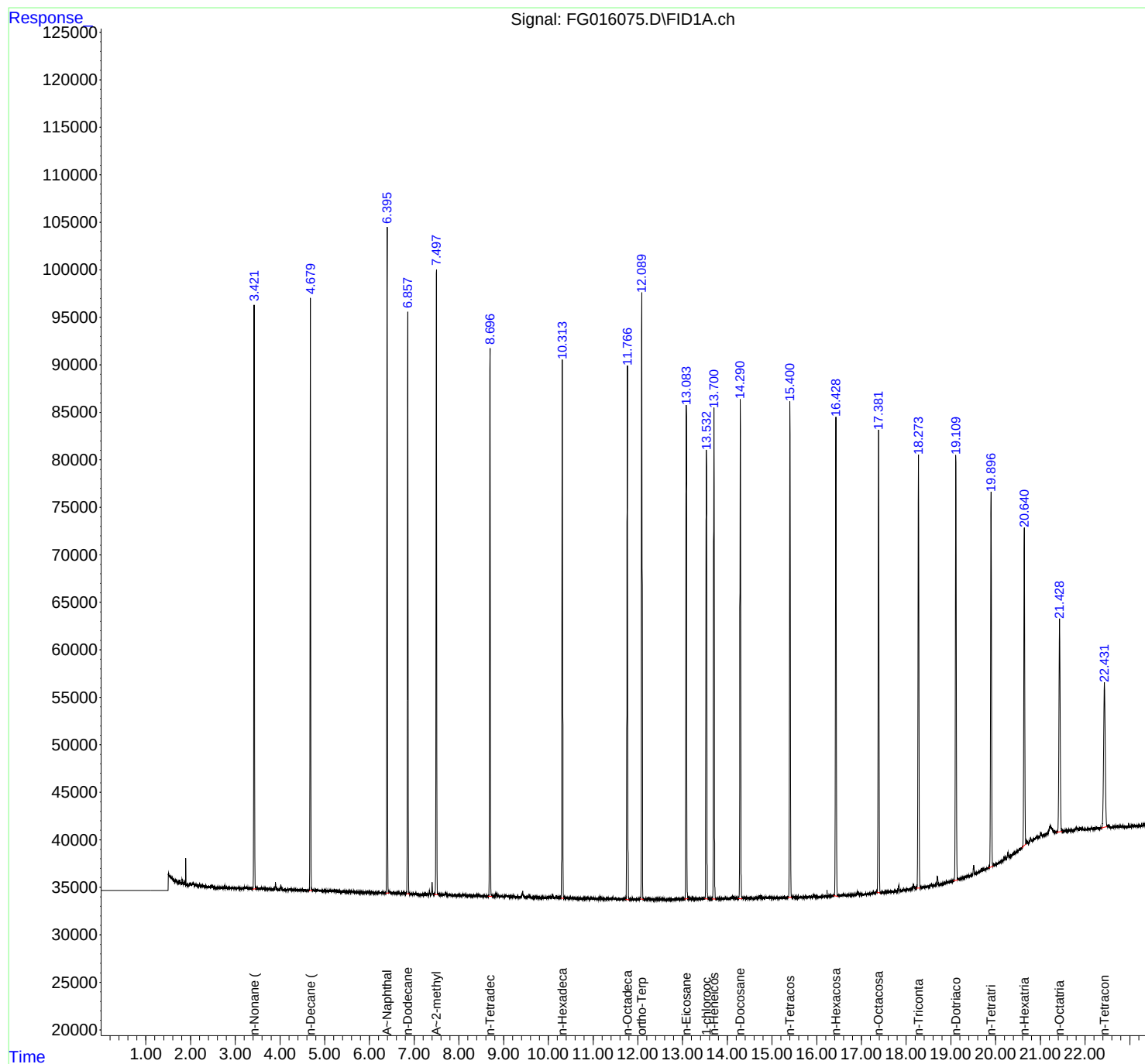
(m)=manual int.

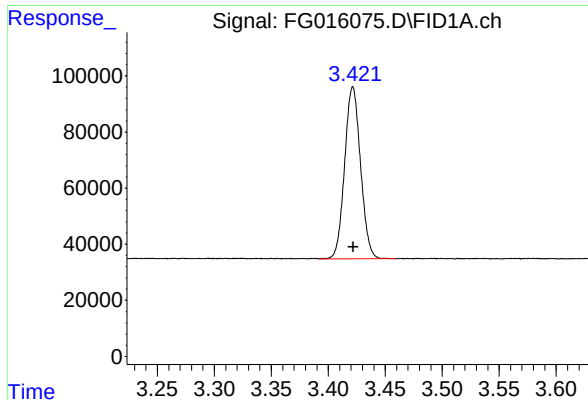
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016075.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 16:02
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Jun 16 06:42:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:39:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

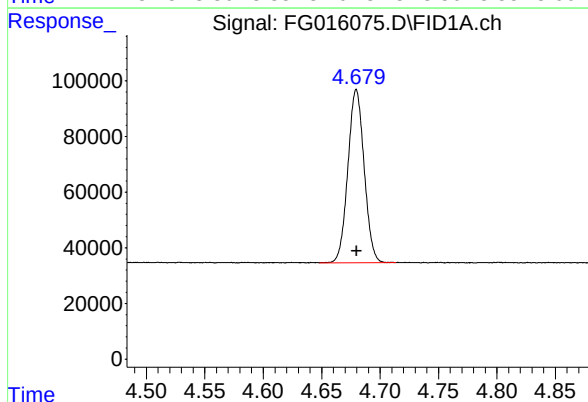




#1 n-Nonane (C9)

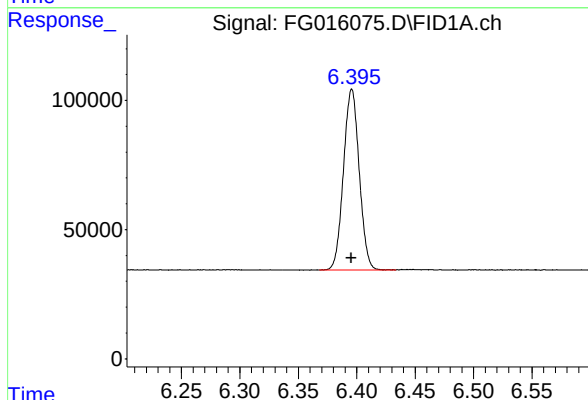
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 595428
Conc: 5.64 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



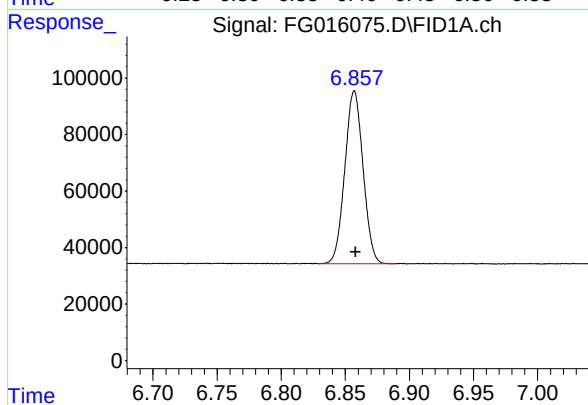
#2 n-Decane (C10)

R.T.: 4.680 min
Delta R.T.: 0.000 min
Response: 602565
Conc: 5.63 ug/ml



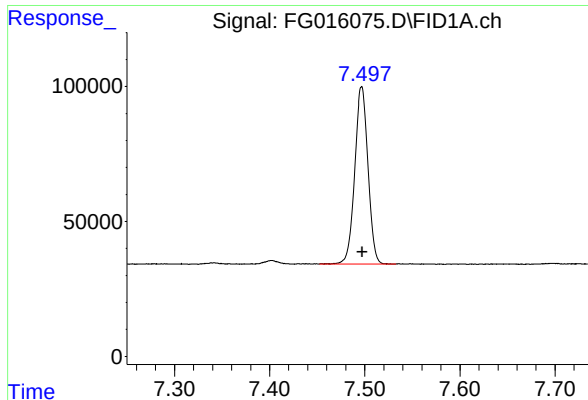
#3 A~Naphthalene (C11.7)

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 656045
Conc: 5.62 ug/ml



#4 n-Dodecane (C12)

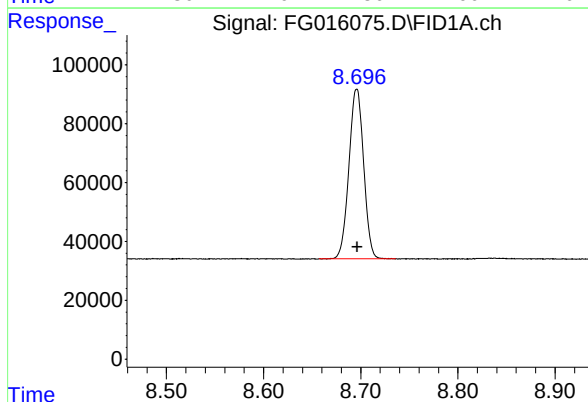
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 603165
Conc: 5.62 ug/ml



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

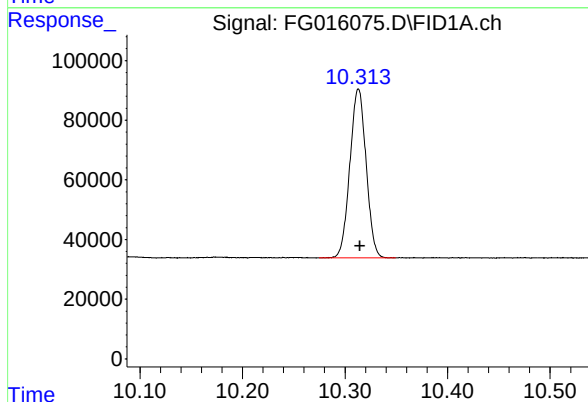
R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 638058
Conc: 5.62 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



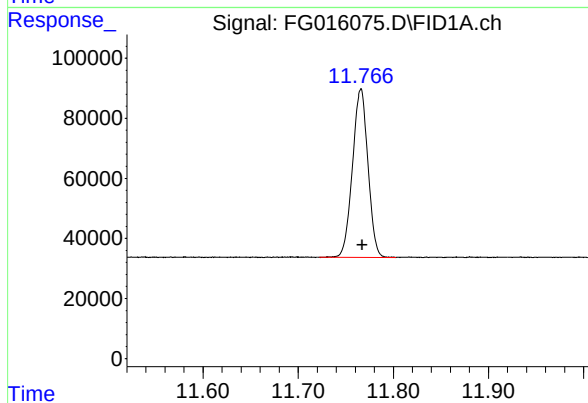
#6 n-Tetradecane (C14)

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 604003
Conc: 5.65 ug/ml



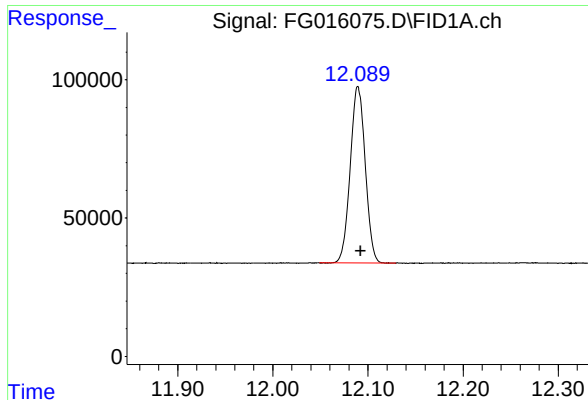
#7 n-Hexadecane (C16)

R.T.: 10.313 min
Delta R.T.: -0.001 min
Response: 622758
Conc: 5.62 ug/ml



#8 n-Octadecane (C18)

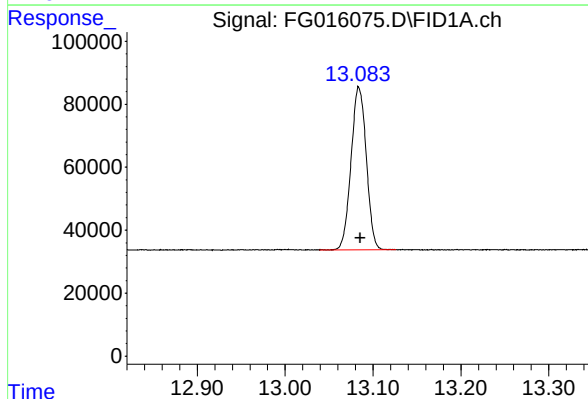
R.T.: 11.766 min
Delta R.T.: -0.001 min
Response: 638246
Conc: 5.64 ug/ml



#9 ortho-Terphenyl (SURR)

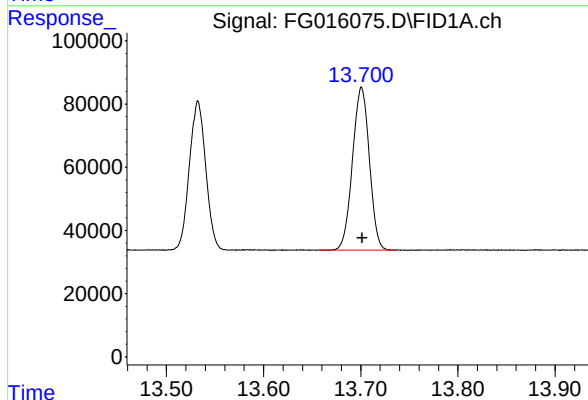
R.T.: 12.089 min
Delta R.T.: -0.003 min
Response: 705923
Conc: 5.62 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



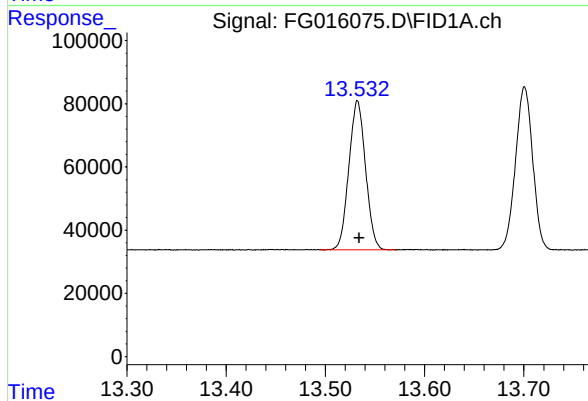
#10 n-Eicosane (C20)

R.T.: 13.084 min
Delta R.T.: -0.002 min
Response: 621489
Conc: 5.61 ug/ml



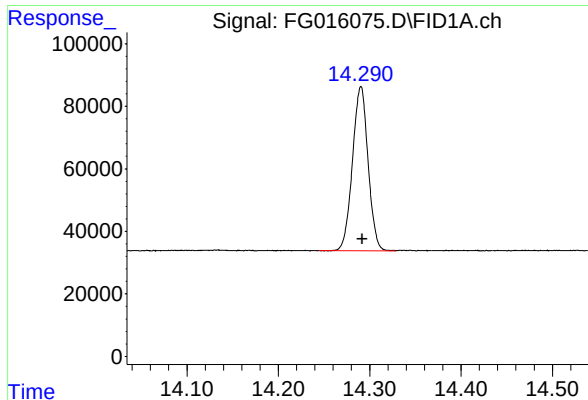
#11 n-Heneicosane (C21)

R.T.: 13.701 min
Delta R.T.: 0.000 min
Response: 620307
Conc: 5.63 ug/ml



#12 1-chlorooctadecane (SURR)

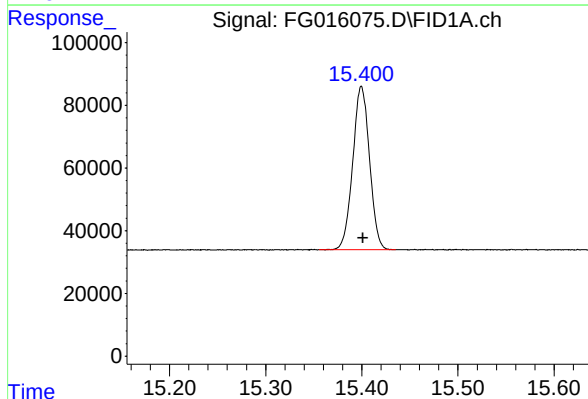
R.T.: 13.532 min
Delta R.T.: -0.002 min
Response: 550881
Conc: 5.62 ug/ml



#13 n-Docosane (C22)

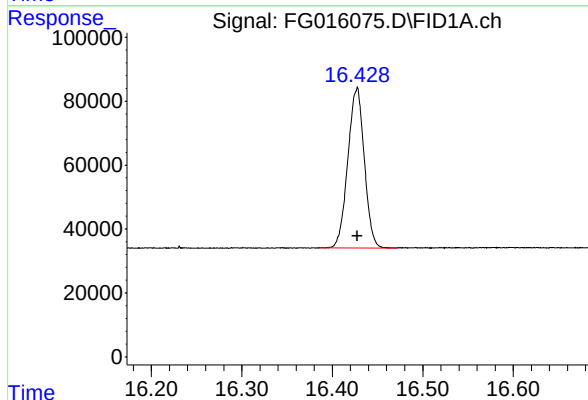
R.T.: 14.290 min
Delta R.T.: -0.001 min
Response: 622270
Conc: 5.63 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



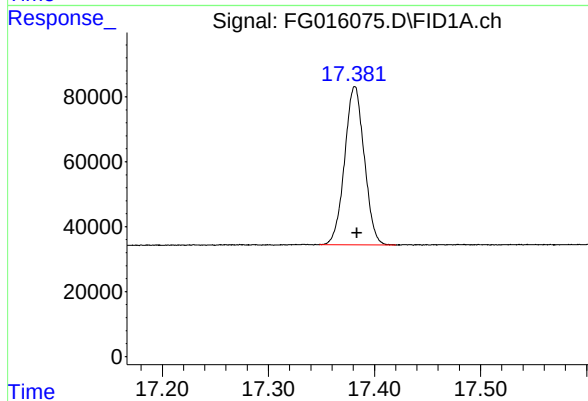
#14 n-Tetracosane (C24)

R.T.: 15.400 min
Delta R.T.: -0.002 min
Response: 632301
Conc: 5.63 ug/ml



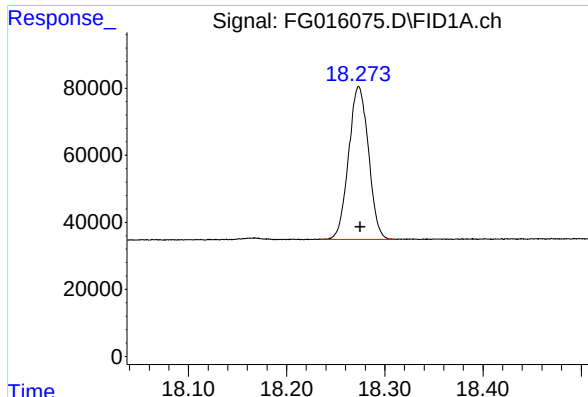
#15 n-Hexacosane (C26)

R.T.: 16.427 min
Delta R.T.: 0.000 min
Response: 632980
Conc: 5.63 ug/ml



#16 n-Octacosane (C28)

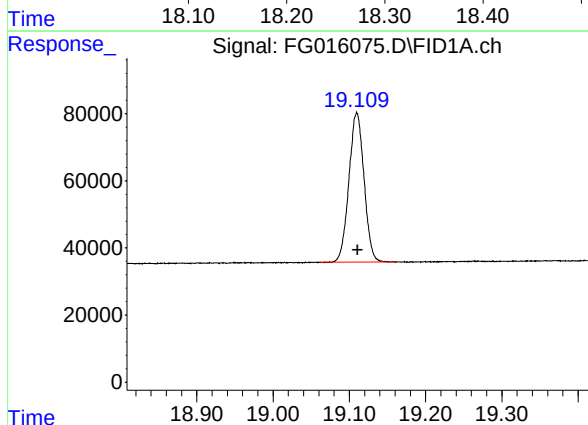
R.T.: 17.382 min
Delta R.T.: -0.002 min
Response: 626234
Conc: 5.65 ug/ml



#17 n-Tricontane (C30)

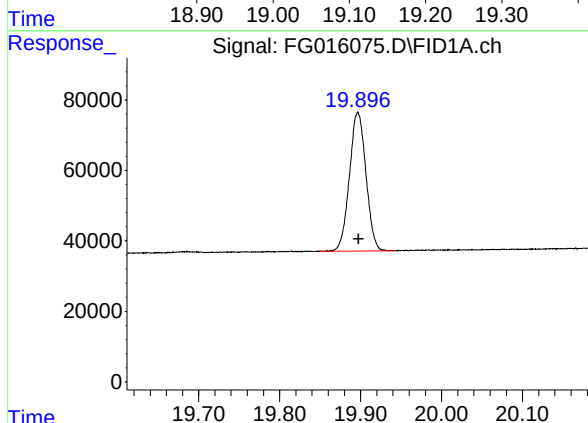
R.T.: 18.273 min
Delta R.T.: -0.002 min
Response: 640242
Conc: 5.71 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



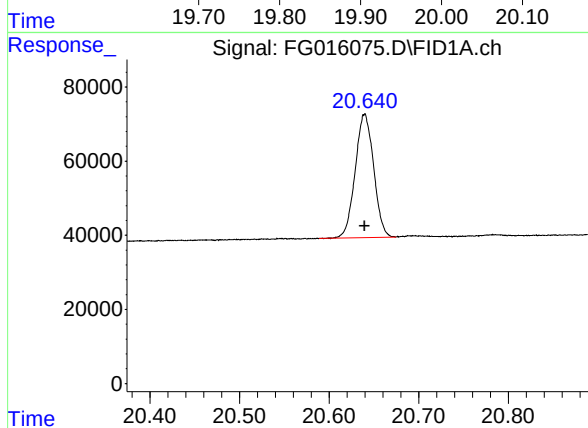
#18 n-Dotriacontane (C32)

R.T.: 19.110 min
Delta R.T.: -0.001 min
Response: 615463
Conc: 5.74 ug/ml



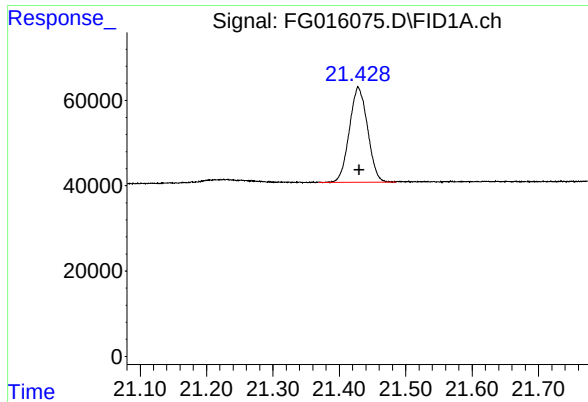
#19 n-Tetratriacontane (C34)

R.T.: 19.897 min
Delta R.T.: 0.000 min
Response: 558031
Conc: 5.73 ug/ml



#20 n-Hexatriacontane (C36)

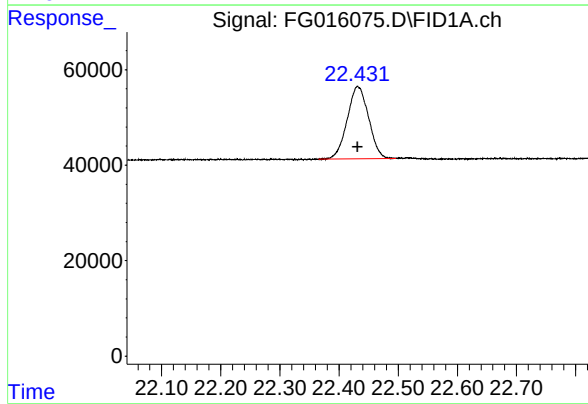
R.T.: 20.640 min
Delta R.T.: 0.000 min
Response: 476929
Conc: 5.69 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.428 min
Delta R.T.: -0.002 min
Response: 423048
Conc: 5.68 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.431 min
Delta R.T.: 0.000 min
Response: 380088
Conc: 5.56 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016075.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 16:02
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.422	3.392	3.460	BB	61497	595428	84.35%	4.557%
2	4.680	4.648	4.714	BB	62269	602565	85.36%	4.612%
3	6.396	6.368	6.434	BB	70068	656045	92.93%	5.021%
4	6.857	6.830	6.890	BB	61239	603165	85.44%	4.616%
5	7.497	7.452	7.533	BB	65733	638058	90.39%	4.883%
6	8.696	8.657	8.736	BB	57684	604003	85.56%	4.623%
7	10.313	10.275	10.350	BB	56682	622758	88.22%	4.766%
8	11.766	11.722	11.803	BB	56123	638246	90.41%	4.885%
9	12.089	12.049	12.130	BB	63796	705923	100.00%	5.403%
10	13.084	13.039	13.126	BB	51725	621489	88.04%	4.756%
11	13.532	13.494	13.571	BB	47277	550881	78.04%	4.216%
12	13.701	13.657	13.736	BB	51653	620307	87.87%	4.747%
13	14.290	14.245	14.329	BB	52525	622270	88.15%	4.762%
14	15.400	15.355	15.435	BB	52156	632301	89.57%	4.839%
15	16.427	16.385	16.470	BB	49652	632980	89.67%	4.844%
16	17.382	17.348	17.420	BB	48741	626234	88.71%	4.793%
17	18.274	18.233	18.311	BB	45558	640242	90.70%	4.900%
18	19.110	19.060	19.161	BB	44682	615463	87.19%	4.710%
19	19.897	19.849	19.944	BB	39516	558031	79.05%	4.271%
20	20.640	20.589	20.675	BB	33201	476929	67.56%	3.650%
21	21.428	21.370	21.485	BB	22295	423048	59.93%	3.238%
22	22.431	22.366	22.496	BB	15228	380088	53.84%	2.909%
Sum of corrected areas:							13066454	

Aliphatic EPH 061325.M Mon Jun 16 07:05:59 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016076.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 16:31
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Jun 16 06:53:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:39:56 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)	12.092	2567824	19.902 ug/ml
Spiked Amount 50.000		Recovery =	39.80%
12) S 1-chlorooctadecane (S...	13.535	2004431	19.892 ug/ml
Spiked Amount 50.000		Recovery =	39.78%
Target Compounds			
1) T n-Nonane (C9)	3.421	2150053	19.872 ug/ml
2) T n-Decane (C10)	4.679	2180482	19.878 ug/ml
3) T A~Naphthalene (C11.7)	6.396	2378221	19.905 ug/ml
4) T n-Dodecane (C12)	6.858	2189329	19.883 ug/ml
5) T A~2-methylnaphthalene...	7.497	2315022	19.904 ug/ml
6) T n-Tetradecane (C14)	8.697	2181040	19.860 ug/ml
7) T n-Hexadecane (C16)	10.315	2260732	19.861 ug/ml
8) T n-Octadecane (C18)	11.768	2313229	19.871 ug/ml
10) T n-Eicosane (C20)	13.086	2264403	19.896 ug/ml
11) T n-Heneicosane (C21)	13.702	2251669	19.889 ug/ml
13) T n-Docosane (C22)	14.293	2260832	19.887 ug/ml
14) T n-Tetracosane (C24)	15.402	2298513	19.933 ug/ml
15) T n-Hexacosane (C26)	16.429	2295139	19.944 ug/ml
16) T n-Octacosane (C28)	17.383	2262244	19.933 ug/ml
17) T n-Tricontane (C30)	18.275	2280889	19.922 ug/ml
18) T n-Dotriacontane (C32)	19.112	2171208	19.914 ug/ml
19) T n-Tetratriacontane (C34)	19.899	1971723	19.930 ug/ml
20) T n-Hexatriacontane (C36)	20.641	1693739	19.955 ug/ml
21) T n-Octatriacontane (C38)	21.431	1505383	19.941 ug/ml
22) T n-Tetracontane (C40)	22.436	1382050	19.987 ug/ml

(f)=RT Delta > 1/2 Window

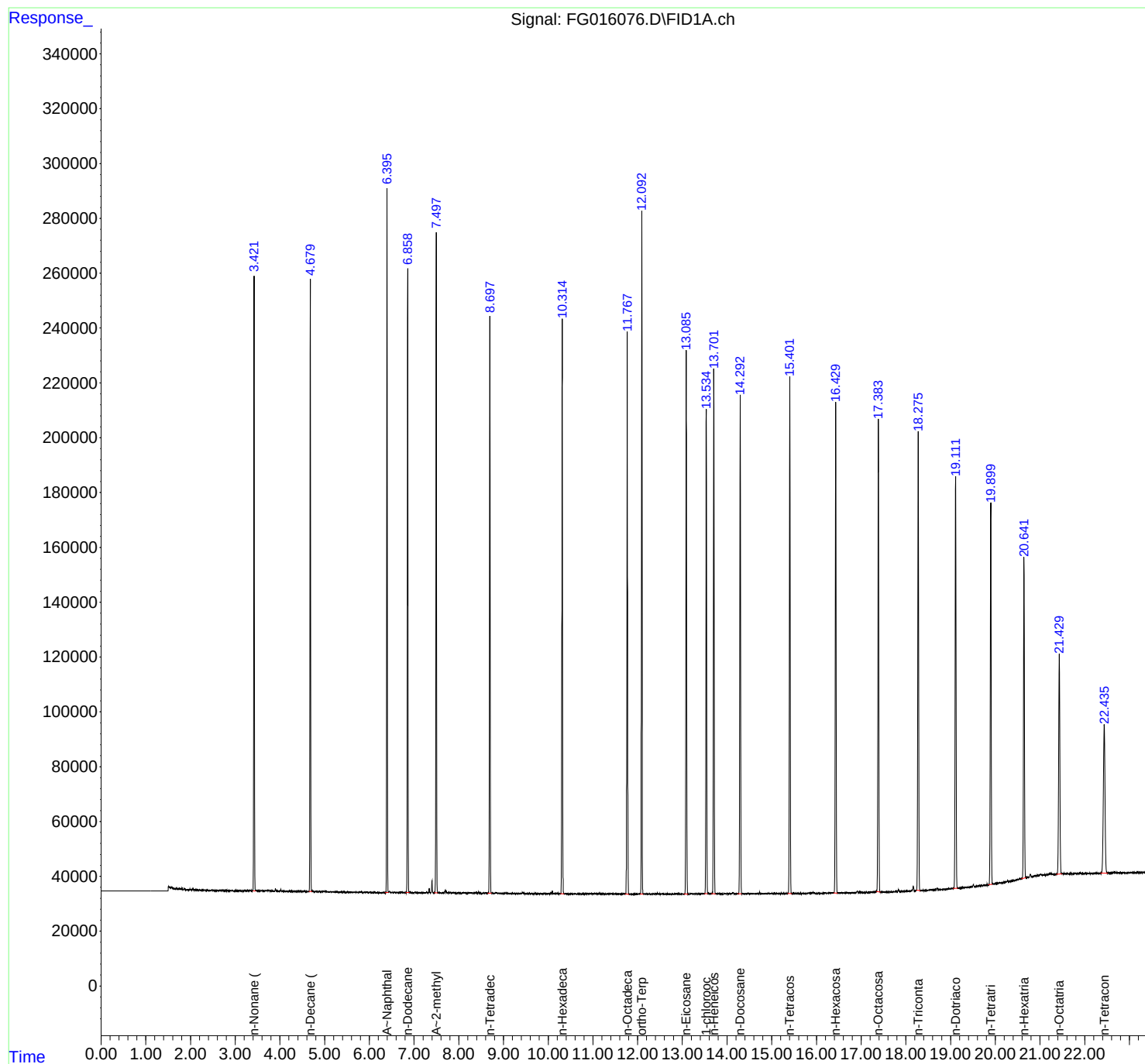
(m)=manual int.

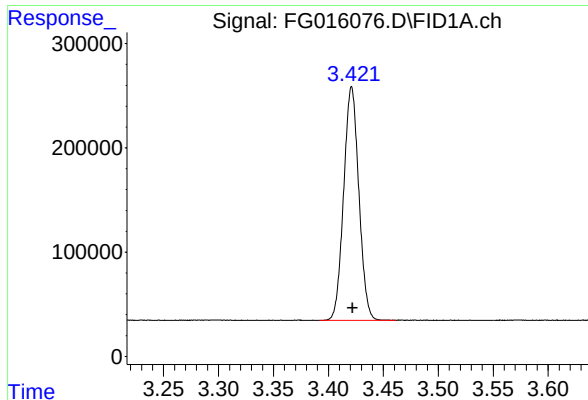
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016076.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 16:31
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jun 16 06:53:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:39:56 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)

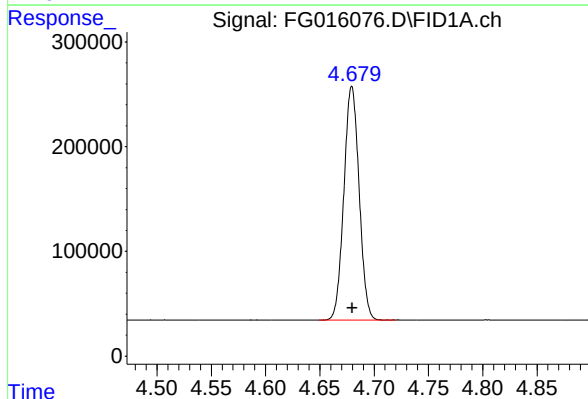
R.T.: 3.421 min
Delta R.T.: 0.000 min
Response: 2150053
Conc: 19.87 ug/ml

Instrument :

FID_G

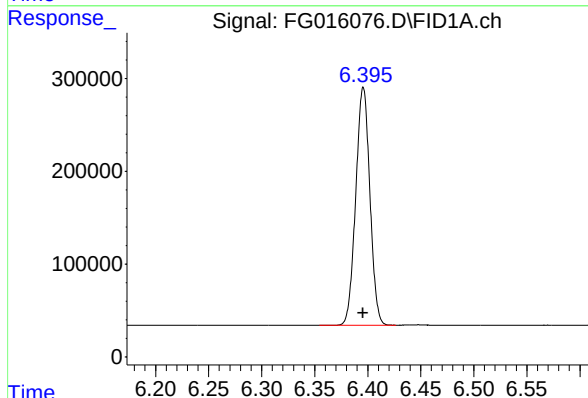
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



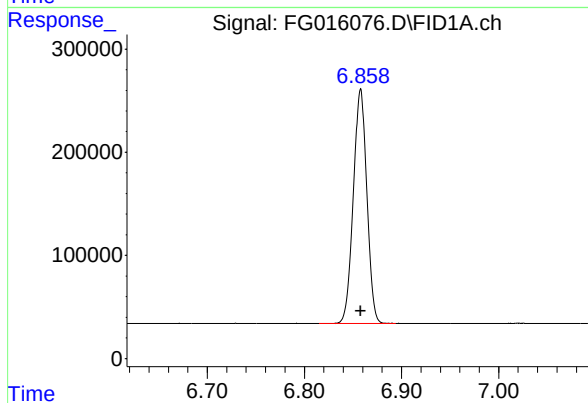
#2 n-Decane (C10)

R.T.: 4.679 min
Delta R.T.: 0.000 min
Response: 2180482
Conc: 19.88 ug/ml



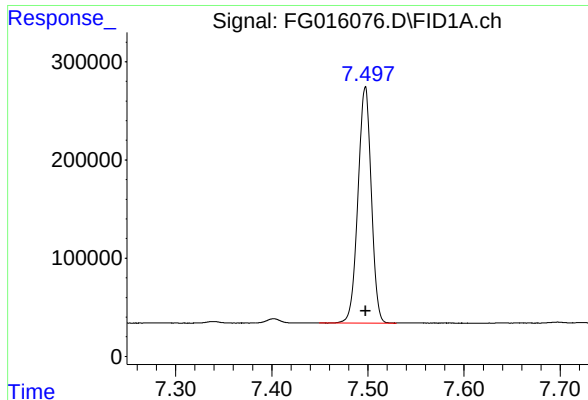
#3 A~Naphthalene (C11.7)

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 2378221
Conc: 19.90 ug/ml



#4 n-Dodecane (C12)

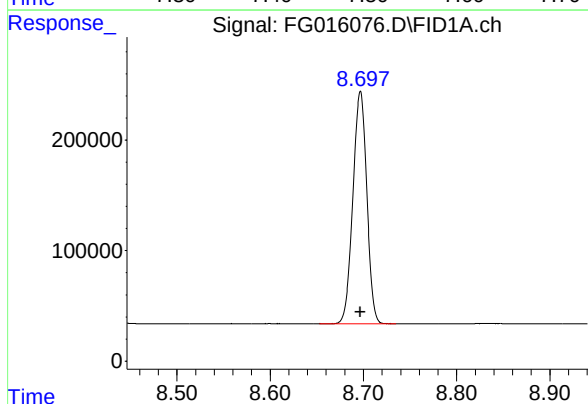
R.T.: 6.858 min
Delta R.T.: 0.000 min
Response: 2189329
Conc: 19.88 ug/ml



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

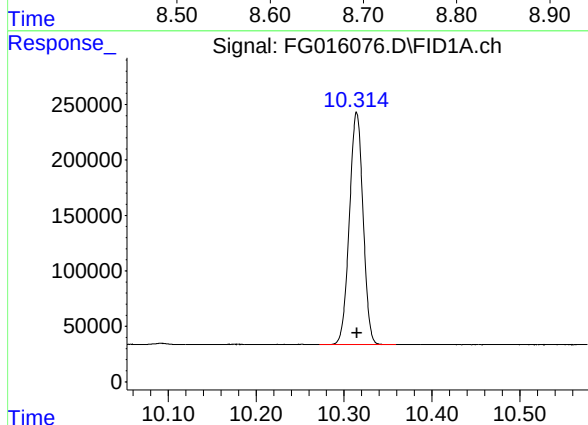
R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 2315022
Conc: 19.90 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



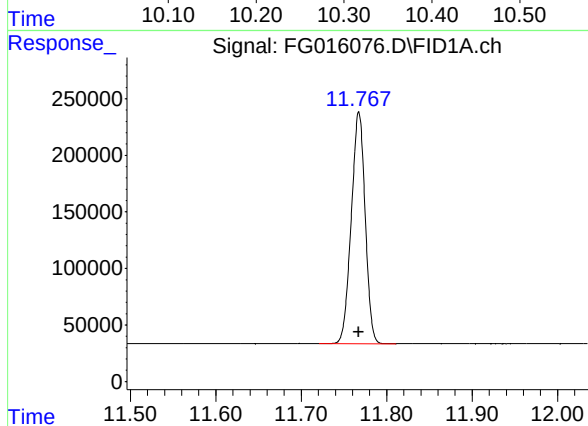
#6 n-Tetradecane (C14)

R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 2181040
Conc: 19.86 ug/ml



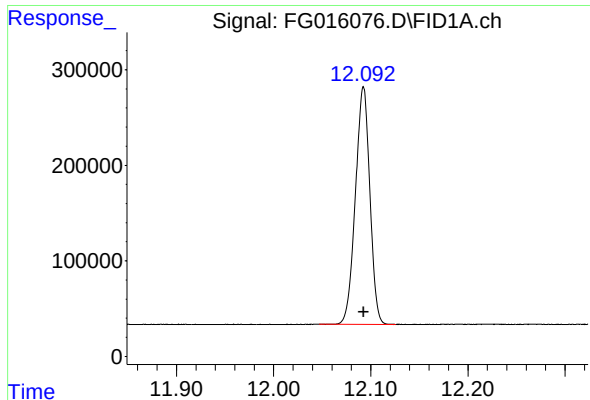
#7 n-Hexadecane (C16)

R.T.: 10.315 min
Delta R.T.: 0.000 min
Response: 2260732
Conc: 19.86 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.768 min
Delta R.T.: 0.000 min
Response: 2313229
Conc: 19.87 ug/ml



#9 ortho-Terphenyl (SURR)

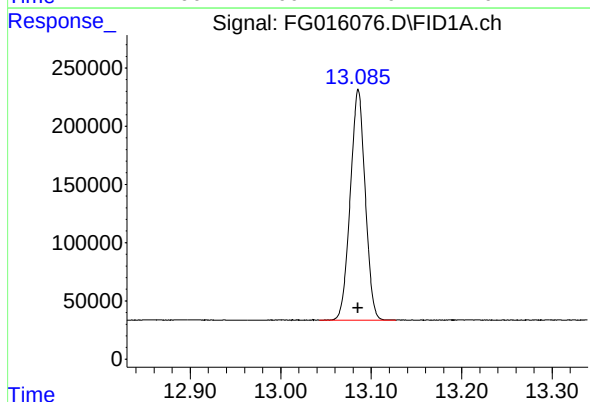
R.T.: 12.092 min
Delta R.T.: 0.000 min
Response: 2567824
Conc: 19.90 ug/ml

Instrument :

FID_G

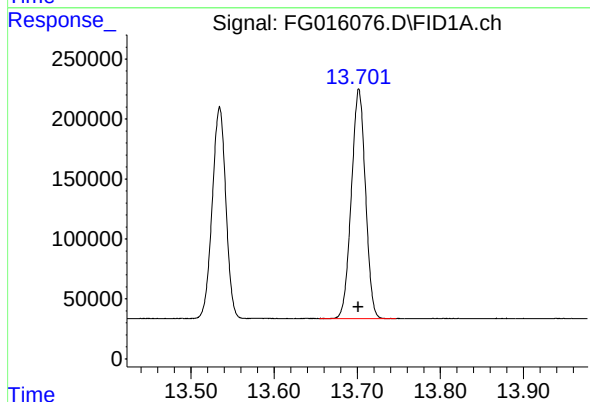
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



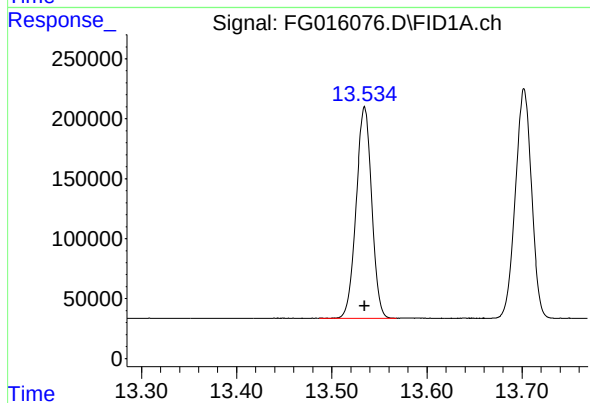
#10 n-Eicosane (C20)

R.T.: 13.086 min
Delta R.T.: 0.000 min
Response: 2264403
Conc: 19.90 ug/ml



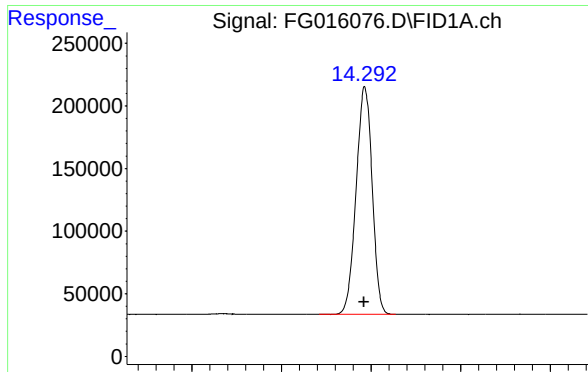
#11 n-Heneicosane (C21)

R.T.: 13.702 min
Delta R.T.: 0.000 min
Response: 2251669
Conc: 19.89 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.535 min
Delta R.T.: 0.000 min
Response: 2004431
Conc: 19.89 ug/ml



#13 n-Docosane (C22)

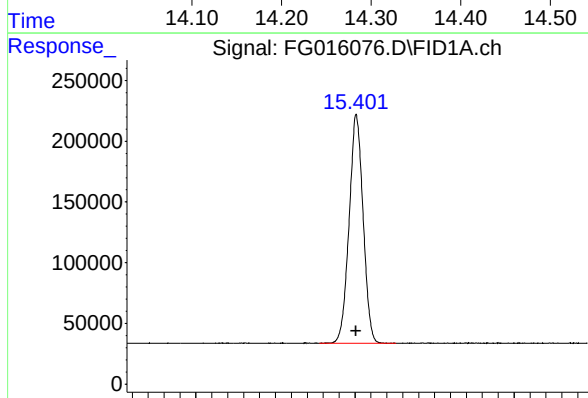
R.T.: 14.293 min
Delta R.T.: 0.000 min
Response: 2260832
Conc: 19.89 ug/ml

Instrument :

FID_G

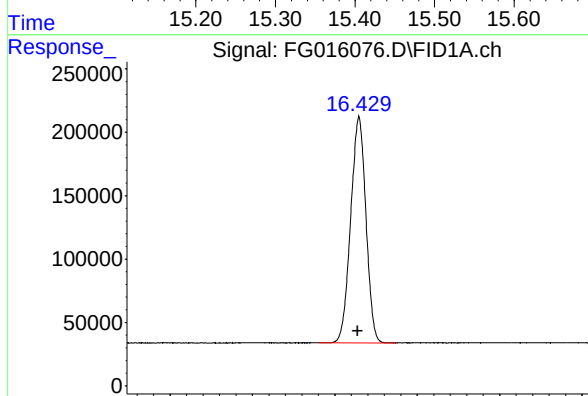
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



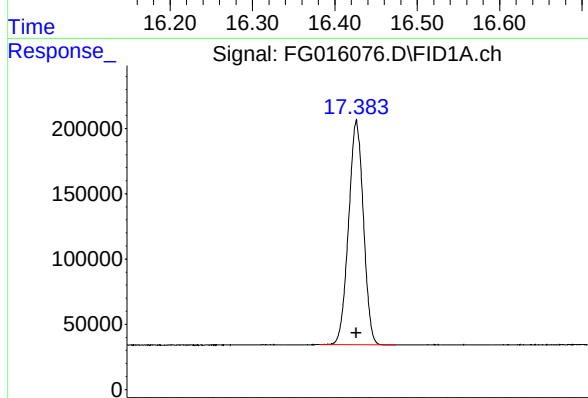
#14 n-Tetracosane (C24)

R.T.: 15.402 min
Delta R.T.: 0.000 min
Response: 2298513
Conc: 19.93 ug/ml



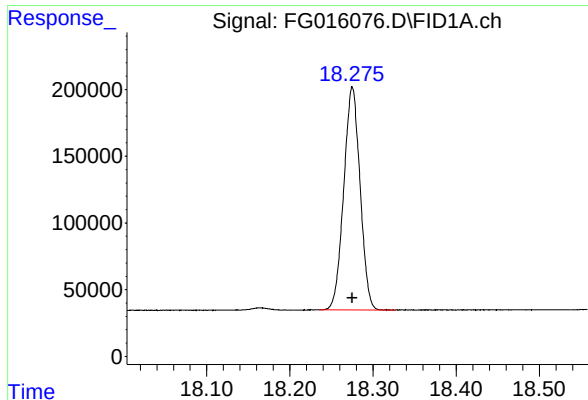
#15 n-Hexacosane (C26)

R.T.: 16.429 min
Delta R.T.: 0.001 min
Response: 2295139
Conc: 19.94 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.383 min
Delta R.T.: 0.000 min
Response: 2262244
Conc: 19.93 ug/ml



#17 n-Tricontane (C30)

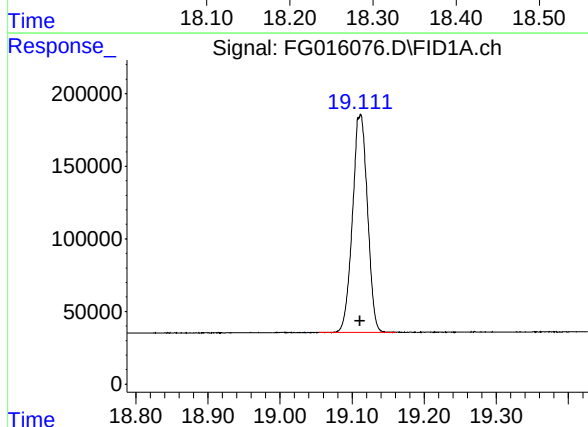
R.T.: 18.275 min
Delta R.T.: 0.000 min
Response: 2280889
Conc: 19.92 ug/ml

Instrument :

FID_G

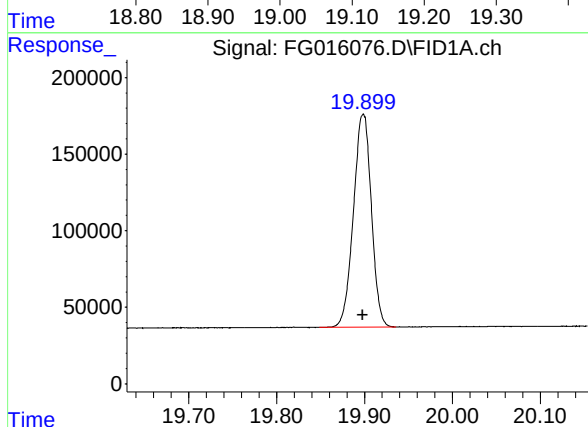
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



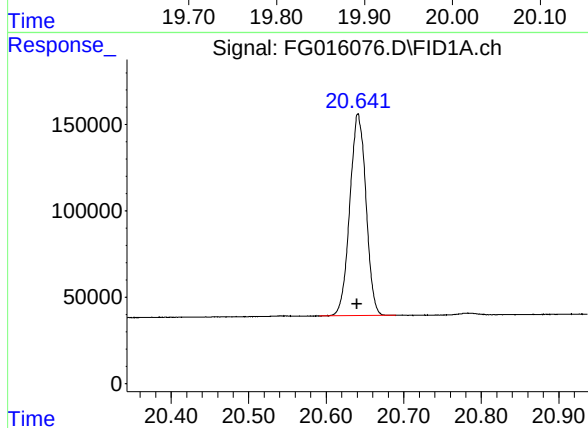
#18 n-Dotriacontane (C32)

R.T.: 19.112 min
Delta R.T.: 0.000 min
Response: 2171208
Conc: 19.91 ug/ml



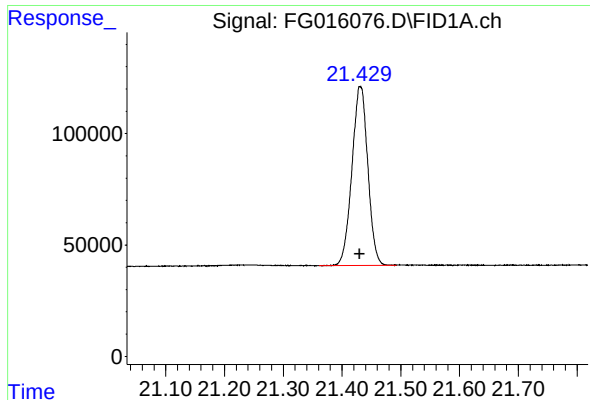
#19 n-Tetatriacontane (C34)

R.T.: 19.899 min
Delta R.T.: 0.000 min
Response: 1971723
Conc: 19.93 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.641 min
Delta R.T.: 0.001 min
Response: 1693739
Conc: 19.95 ug/ml



#21 n-Octatriacontane (C38)

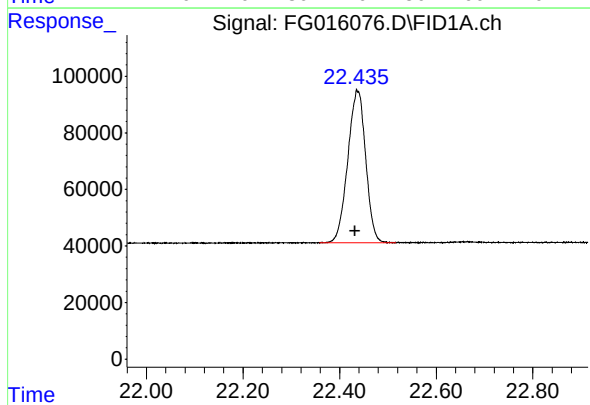
R.T.: 21.431 min
Delta R.T.: 0.000 min
Response: 1505383
Conc: 19.94 ug/ml

Instrument :

FID_G

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.436 min
Delta R.T.: 0.004 min
Response: 1382050
Conc: 19.99 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016076.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 16:31
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.421	3.392	3.462	BB	224170	2150053	83.73%	4.557%
2	4.679	4.649	4.720	BB	223134	2180482	84.92%	4.622%
3	6.396	6.354	6.427	BB	256642	2378221	92.62%	5.041%
4	6.858	6.815	6.894	BB	227162	2189329	85.26%	4.641%
5	7.497	7.449	7.529	BB	240781	2315022	90.15%	4.907%
6	8.697	8.652	8.735	BB	210461	2181040	84.94%	4.623%
7	10.315	10.272	10.359	BB	209250	2260732	88.04%	4.792%
8	11.768	11.721	11.811	BB	204807	2313229	90.09%	4.903%
9	12.092	12.047	12.126	BB	248620	2567824	100.00%	5.443%
10	13.086	13.043	13.128	BB	197777	2264403	88.18%	4.800%
11	13.535	13.487	13.568	BB	176385	2004431	78.06%	4.249%
12	13.702	13.654	13.747	BB	191654	2251669	87.69%	4.773%
13	14.293	14.242	14.328	BB	181842	2260832	88.04%	4.792%
14	15.402	15.355	15.452	BB	188413	2298513	89.51%	4.872%
15	16.429	16.381	16.474	BB	178837	2295139	89.38%	4.865%
16	17.383	17.336	17.434	BB	171759	2262244	88.10%	4.795%
17	18.275	18.235	18.328	BB	167252	2280889	88.83%	4.835%
18	19.112	19.054	19.161	BB	150243	2171208	84.55%	4.602%
19	19.899	19.848	19.936	BB	138997	1971723	76.79%	4.179%
20	20.641	20.591	20.690	BB	116814	1693739	65.96%	3.590%
21	21.431	21.361	21.492	BB	80078	1505383	58.62%	3.191%
22	22.436	22.358	22.517	BB	53575	1382050	53.82%	2.929%
Sum of corrected areas:							47178153	

Aliphatic EPH 061325.M Mon Jun 16 07:06:16 2025

Continuing Calibration Report for SequenceID : FC063025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC069326.D

Aliphatic C9-C12	9162395.000	60.000	3.308	6.605	152706.583	146679.627	-4.109
Aliphatic C12-C16	6226328.000	40.000	6.606	10.009	155658.200	159210.532	2.231
Aliphatic C16-C21	8817332.000	60.000	10.010	13.379	146955.533	154434.323	4.843
Aliphatic C21-C28	10431684.000	80.000	13.380	17.046	130396.050	133966.368	2.665
Aliphatic C28-C40	11562204.000	120.000	17.047	22.025	96351.700	92124.417	-4.589
Aliphatic EPH	46199943.000	360.000	3.308	22.025	128333.175	128354.160	0.016

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	30 Jun 2025 11:14
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069326.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.308	6.605	9162395.000	60.000	ug/ml
Aliphatic C12-C16	6.606	10.009	6226328.000	40.000	ug/ml
Aliphatic C16-C21	10.010	13.379	8817332.000	60.000	ug/ml
Aliphatic C21-C28	13.380	17.046	10431684.000	80.000	ug/ml
Aliphatic C28-C40	17.047	22.025	11562204.000	120.000	ug/ml
Aliphatic EPH	3.308	22.025	46199943.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
 Data File : FC069326.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jun 2025 11:14
 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 07/01/2025
 Supervised By :mohammad ahmed 07/01/2025

Integration File: autoint1.e
 Quant Time: Jul 01 05:03:46 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)	11.677	3270852	18.933 ug/ml
Spiked Amount 50.000		Recovery =	37.87%
12) S 1-chlorooctadecane (S...	13.113	2469020	18.899 ug/ml
Spiked Amount 50.000		Recovery =	37.80%
Target Compounds			
1) T n-Nonane (C9)	3.408	2987555	21.007 ug/ml
2) T n-Decane (C10)	4.480	3065782	20.942 ug/ml
3) T A~Naphthalene (C11.7)	6.075	3334281	20.723 ug/ml
4) T n-Dodecane (C12)	6.505	3109058	20.532 ug/ml
5) T A~2-methylnaphthalene...	7.135	3214777	20.315 ug/ml
6) T n-Tetradecane (C14)	8.305	3078321	19.859 ug/ml
7) T n-Hexadecane (C16)	9.909	3148007	19.264 ug/ml
8) T n-Octadecane (C18)	11.354	3099967	18.987 ug/ml
10) T n-Eicosane (C20)	12.666	2901489	19.009 ug/ml
11) T n-Heneicosane (C21)	13.279	2815876	19.105 ug/ml
13) T n-Docosane (C22)	13.866	2773720	19.278 ug/ml
14) T n-Tetracosane (C24)	14.971	2679118	19.424 ug/ml
15) T n-Hexacosane (C26)	15.993	2550057	19.507 ug/ml
16) T n-Octacosane (C28)	16.946	2428789	19.694 ug/ml
17) T n-Tricontane (C30)	17.834	2396106	20.155 ug/ml
18) T n-Dotriacontane (C32)	18.667	2248967	20.569 ug/ml
19) T n-Tetratriacontane (C34)	19.454	2021512	20.934 ug/ml
20) T n-Hexatriacontane (C36)	20.194	1753400	21.276 ug/ml
21) T n-Octatriacontane (C38)	20.963	1604779	21.474 ug/ml
22) T n-Tetracontane (C40)	21.925	1537440	21.710 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
Data File : FC069326.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 11:14
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

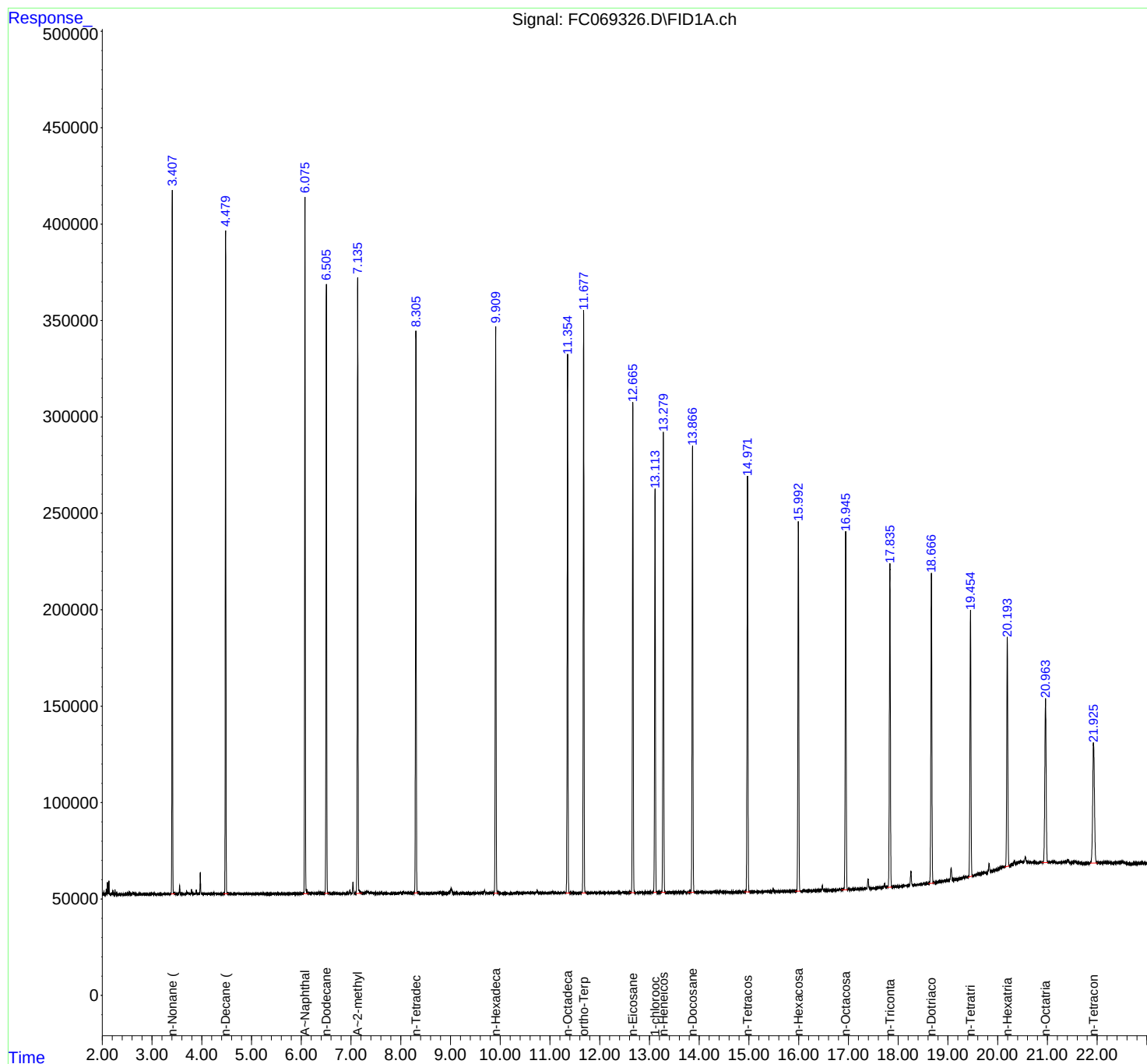
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025

Integration File: autoint1.e
Quant Time: Jul 01 05:03:46 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



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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06302
Data File : FC069326.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 11:14
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	3.379	3.464	BB	363135	2987555	89.60%	5.112%
2	4.480	4.440	4.532	BB	344321	3065782	91.95%	5.246%
3	6.075	6.037	6.144	BB	361357	3334281	100.00%	5.706%
4	6.505	6.467	6.554	BB	316252	3109058	93.25%	5.320%
5	7.135	7.094	7.222	BB	320289	3214777	96.42%	5.501%
6	8.305	8.267	8.354	BB	291904	3078321	92.32%	5.268%
7	9.909	9.872	9.969	BB	292515	3148007	94.41%	5.387%
8	11.354	11.312	11.409	BB	279872	3099967	92.97%	5.305%
9	11.677	11.634	11.725	BB	302049	3270852	98.10%	5.597%
10	12.666	12.597	12.714	BB	254257	2901489	87.02%	4.965%
11	13.113	13.072	13.149	BB	208199	2469020	74.05%	4.225%
12	13.279	13.225	13.324	BB	237504	2815876	84.45%	4.819%
13	13.866	13.774	13.904	BB	231739	2773720	83.19%	4.746%
14	14.971	14.904	15.024	BB	215100	2679118	80.35%	4.584%
15	15.993	15.927	16.034	BB	191259	2550057	76.48%	4.364%
16	16.946	16.860	16.989	BB	185718	2428789	72.84%	4.156%
17	17.834	17.780	17.882	BB	165753	2396106	71.86%	4.100%
18	18.667	18.610	18.727	BB	160847	2248967	67.45%	3.848%
19	19.454	19.400	19.489	BB	137699	2021512	60.63%	3.459%
20	20.194	20.140	20.235	BB	118425	1753400	52.59%	3.000%
21	20.963	20.887	21.015	BB	85446	1604779	48.13%	2.746%
22	21.927	21.880	22.009	BB	60927	1487306	44.61%	2.545%
Sum of corrected areas:						58438741		

Aliphatic EPH 061825.M Tue Jul 01 05:48:01 2025

Continuing Calibration Report for SequenceID : FC063025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC069330.D

Aliphatic C9-C12	9081249.000	60.000	3.308	6.605	151354.150	146679.627	-3.187
Aliphatic C12-C16	6251541.000	40.000	6.606	10.009	156288.525	159210.532	1.835
Aliphatic C16-C21	8912187.000	60.000	10.010	13.379	148536.450	154434.323	3.819
Aliphatic C21-C28	10573737.000	80.000	13.380	17.046	132171.713	133966.368	1.340
Aliphatic C28-C40	11724019.000	120.000	17.047	22.025	97700.158	92124.417	-6.052
Aliphatic EPH	46542733.000	360.000	3.308	22.025	129285.369	128354.160	-0.725

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	30 Jun 2025 14:38
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069330.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.308	6.605	9081249.000	60.000	ug/ml
Aliphatic C12-C16	6.606	10.009	6251541.000	40.000	ug/ml
Aliphatic C16-C21	10.010	13.379	8912187.000	60.000	ug/ml
Aliphatic C21-C28	13.380	17.046	10573737.000	80.000	ug/ml
Aliphatic C28-C40	17.047	22.025	11724019.000	120.000	ug/ml
Aliphatic EPH	3.308	22.025	46542733.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
 Data File : FC069330.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jun 2025 14:38
 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 07/01/2025
 Supervised By :mohammad ahmed 07/01/2025

Integration File: autoint1.e
 Quant Time: Jul 01 05:04:30 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)	11.677	3299337	19.098 ug/ml
Spiked Amount 50.000		Recovery =	38.20%
12) S 1-chlorooctadecane (S...	13.113	2504609	19.172 ug/ml
Spiked Amount 50.000		Recovery =	38.34%
Target Compounds			
1) T n-Nonane (C9)	3.404	2944650	20.705 ug/ml
2) T n-Decane (C10)	4.479	3040401	20.768 ug/ml
3) T A~Naphthalene (C11.7)	6.074	3335251	20.729 ug/ml
4) T n-Dodecane (C12)	6.504	3096198	20.447 ug/ml
5) T A~2-methylnaphthalene...	7.134	3227847	20.397 ug/ml
6) T n-Tetradecane (C14)	8.304	3088595	19.926 ug/ml
7) T n-Hexadecane (C16)	9.909	3162946	19.355 ug/ml
8) T n-Octadecane (C18)	11.354	3126173	19.147 ug/ml
10) T n-Eicosane (C20)	12.666	2936273	19.237 ug/ml
11) T n-Heneicosane (C21)	13.279	2849741	19.334 ug/ml
13) T n-Docosane (C22)	13.867	2808237	19.518 ug/ml
14) T n-Tetracosane (C24)	14.971	2714147	19.678 ug/ml
15) T n-Hexacosane (C26)	15.994	2587077	19.790 ug/ml
16) T n-Octacosane (C28)	16.945	2464276	19.981 ug/ml
17) T n-Tricontane (C30)	17.834	2430366	20.443 ug/ml
18) T n-Dotriacontane (C32)	18.668	2282457	20.875 ug/ml
19) T n-Tetratriacontane (C34)	19.452	2050615	21.235 ug/ml
20) T n-Hexatriacontane (C36)	20.194	1781816	21.621 ug/ml
21) T n-Octatriacontane (C38)	20.962	1621831	21.702 ug/ml
22) T n-Tetracontane (C40)	21.926	1556934	21.986 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
Data File : FC069330.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 14:38
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

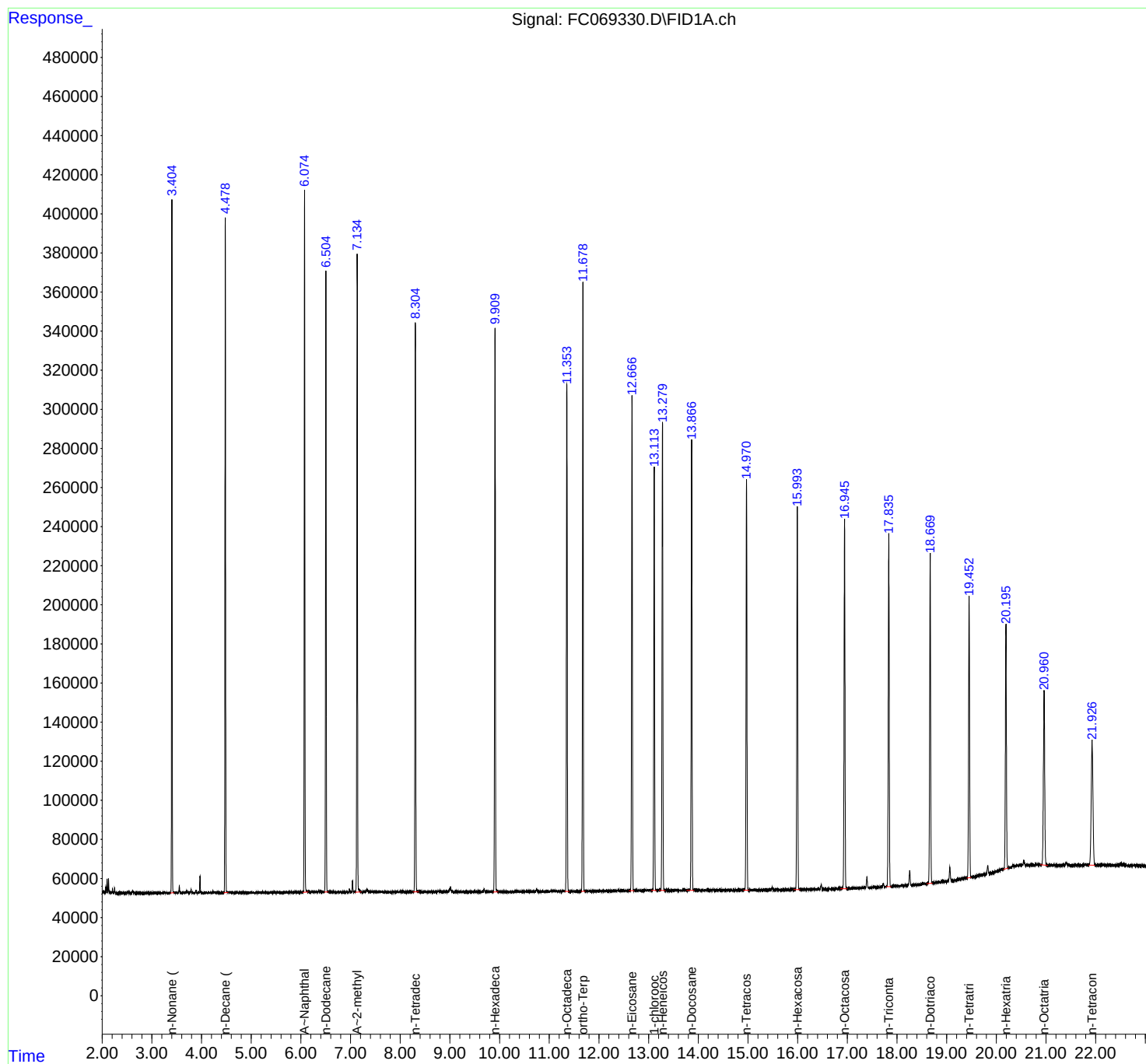
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025

Integration File: autoint1.e
Quant Time: Jul 01 05:04:30 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



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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/01/2025
Supervised By :mohammad ahmed 07/01/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06302
Data File : FC069330.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 14:38
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	3.404	3.372	3.450	BB	354637	2944650	88.29%	5.003%
2	4.479	4.440	4.534	BB	344890	3040401	91.16%	5.166%
3	6.074	6.034	6.145	BB	358437	3335251	100.00%	5.667%
4	6.504	6.470	6.554	BB	317470	3096198	92.83%	5.261%
5	7.134	7.090	7.220	BB	326120	3227847	96.78%	5.484%
6	8.304	8.254	8.375	BB	291717	3088595	92.60%	5.248%
7	9.909	9.872	9.975	BB	288462	3162946	94.83%	5.374%
8	11.354	11.310	11.404	BB	259298	3126173	93.73%	5.312%
9	11.677	11.640	11.724	BB	311182	3299337	98.92%	5.606%
10	12.666	12.607	12.709	BB	250926	2936273	88.04%	4.989%
11	13.113	13.054	13.162	BB	216503	2504609	75.10%	4.256%
12	13.279	13.217	13.334	BB	239509	2849741	85.44%	4.842%
13	13.867	13.770	13.917	BB	229760	2808237	84.20%	4.772%
14	14.971	14.905	15.022	BB	209550	2714147	81.38%	4.612%
15	15.994	15.924	16.042	BB	195866	2587077	77.57%	4.396%
16	16.945	16.857	17.002	BB	189668	2464276	73.89%	4.187%
17	17.835	17.780	17.879	BB	181813	2430366	72.87%	4.129%
18	18.668	18.602	18.714	BB	169848	2282457	68.43%	3.878%
19	19.452	19.400	19.492	BB	143596	2050615	61.48%	3.484%
20	20.194	20.140	20.239	BB	123580	1781816	53.42%	3.028%
21	20.962	20.885	21.029	BB	88841	1621831	48.63%	2.756%
22	21.927	21.880	22.017	BB	63186	1501373	45.02%	2.551%
Sum of corrected areas:						58854215		

Aliphatic EPH 061825.M Tue Jul 01 05:48:54 2025

Continuing Calibration Report for SequenceID : FE062725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE054615.D

Aliphatic C9-C12	7567174.000	60.000	3.317	6.943	126119.567	136055.079	7.303
Aliphatic C12-C16	5235301.000	40.000	6.944	10.391	130882.525	140568.128	6.890
Aliphatic C16-C21	8076702.000	60.000	10.392	13.764	134611.700	144393.643	6.774
Aliphatic C21-C28	10798798.000	80.000	13.765	17.429	134984.975	144651.717	6.683
Aliphatic C28-C40	17217475.000	120.000	17.430	22.428	143478.958	138647.492	-3.485
Aliphatic EPH	48895450.000	360.000	3.317	22.428	135820.694	140720.791	3.482

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	27 Jun 2025 16:24
Client Sample ID:		Operator:	YPAJ
Data file:	FE054615.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.317	6.943	7567174.000	60.000	ug/ml
Aliphatic C12-C16	6.944	10.391	5235301.000	40.000	ug/ml
Aliphatic C16-C21	10.392	13.764	8076702.000	60.000	ug/ml
Aliphatic C21-C28	13.765	17.429	10798798.000	80.000	ug/ml
Aliphatic C28-C40	17.430	22.428	17217475.000	120.000	ug/ml
Aliphatic EPH	3.317	22.428	48895450.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054615.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 16:24
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Jun 27 16:47:14 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)	12.062	3024390	18.624 ug/ml
Spiked Amount 50.000		Recovery =	37.25%
12) S 1-chlorooctadecane (S...	13.497	2346466	18.579 ug/ml
Spiked Amount 50.000		Recovery =	37.16%
Target Compounds			
1) T n-Nonane (C9)	3.417	2487004	18.490 ug/ml
2) T n-Decane (C10)	4.671	2528191	18.528 ug/ml
3) T A~Naphthalene (C11.7)	6.383	2807426	18.542 ug/ml
4) T n-Dodecane (C12)	6.843	2551979	18.599 ug/ml
5) T A~2-methylnaphthalene...	7.482	2738118	18.626 ug/ml
6) T n-Tetradecane (C14)	8.678	2571882	18.553 ug/ml
7) T n-Hexadecane (C16)	10.291	2663419	18.689 ug/ml
8) T n-Octadecane (C18)	11.738	2730589	18.632 ug/ml
10) T n-Eicosane (C20)	13.051	2688195	18.695 ug/ml
11) T n-Heneicosane (C21)	13.664	2657918	18.609 ug/ml
13) T n-Docosane (C22)	14.251	2665297	18.666 ug/ml
14) T n-Tetracosane (C24)	15.356	2700733	18.579 ug/ml
15) T n-Hexacosane (C26)	16.378	2687170	18.569 ug/ml
16) T n-Octacosane (C28)	17.329	2745598	18.839 ug/ml
17) T n-Tricontane (C30)	18.219	3166461	20.094 ug/ml
18) T n-Dotriacontane (C32)	19.052	3414114	21.103 ug/ml
19) T n-Tetratriacontane (C34)	19.836	3264735	21.423 ug/ml
20) T n-Hexatriacontane (C36)	20.575	2804278	20.857 ug/ml
21) T n-Octatriacontane (C38)	21.349	2427919	20.701 ug/ml
22) T n-Tetracontane (C40)	22.328	2139968	19.744 ug/ml

(f)=RT Delta > 1/2 Window

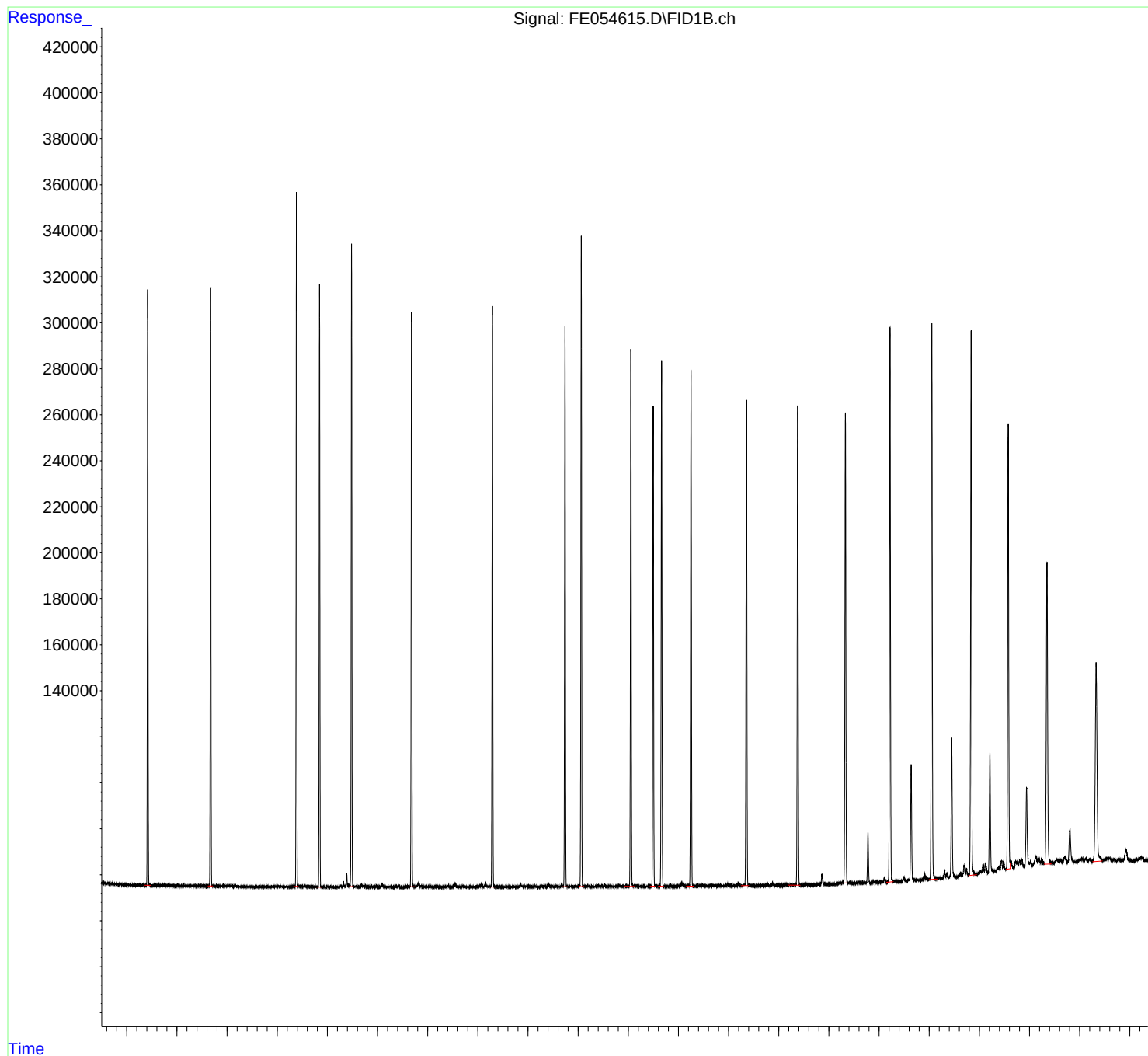
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054615.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 16:24
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Jun 27 16:47:14 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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\

Data File : FE054615.D

Signal(s) : FID1B.ch

Acq On : 27 Jun 2025 16:24

Sample : 20 PPM ALIPHATIC HC STD

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	3.417	3.357	3.474	BB	258893	2487004	72.84%	4.158%
2	4.671	4.620	4.714	BB	260352	2528191	74.05%	4.227%
3	6.383	6.325	6.414	BV	302141	2807426	82.23%	4.694%
4	6.843	6.780	6.884	BB	262375	2551979	74.75%	4.267%
5	7.482	7.444	7.514	VB	278761	2738118	80.20%	4.578%
6	8.678	8.644	8.754	BB	249941	2571882	75.33%	4.300%
7	10.291	10.255	10.339	BB	251746	2663419	78.01%	4.453%
8	11.738	11.688	11.799	PB	243373	2730589	79.98%	4.565%
9	12.062	12.032	12.112	VB	281908	3024390	88.58%	5.057%
10	13.051	12.922	13.125	BB	233489	2688195	78.74%	4.494%
11	13.497	13.432	13.530	BV	208415	2346466	68.73%	3.923%
12	13.664	13.599	13.709	BB	229101	2657918	77.85%	4.444%
13	14.251	14.160	14.305	BB	225059	2665297	78.07%	4.456%
14	15.356	15.250	15.392	BB	211518	2700733	79.10%	4.515%
15	16.378	16.192	16.427	BB	208831	2687170	78.71%	4.493%
16	17.329	17.250	17.370	BB	204277	2745598	80.42%	4.590%
17	18.219	18.154	18.285	BB	240967	3166461	92.75%	5.294%
18	19.052	18.997	19.157	BB	241422	3414114	100.00%	5.708%
19	19.836	19.787	19.947	VB	236433	3264735	95.62%	5.458%
20	20.575	20.535	20.616	BV	191833	2804278	82.14%	4.688%
21	21.349	21.297	21.428	VV	131210	2427919	71.11%	4.059%
22	22.328	22.262	22.450	BV	86428	2139968	62.68%	3.578%

Sum of corrected areas: 59811851

Aliphatic EPH 062725.M Sat Jun 28 02:20:52 2025

Continuing Calibration Report for SequenceID : FE062725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE054624.D

Aliphatic C9-C12	7589999.000	60.000	3.317	6.943	126499.983	136055.079	7.023
Aliphatic C12-C16	5272477.000	40.000	6.944	10.391	131811.925	140568.128	6.229
Aliphatic C16-C21	7988617.000	60.000	10.392	13.764	133143.617	144393.643	7.791
Aliphatic C21-C28	10259393.000	80.000	13.765	17.429	128242.413	144651.717	11.344
Aliphatic C28-C40	13988591.000	120.000	17.430	22.428	116571.592	138647.492	15.922
Aliphatic EPH	45099077.000	360.000	3.317	22.428	125275.214	140720.791	10.976

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	27 Jun 2025 22:57
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054624.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.317	6.943	7589999.000	60.000	ug/ml
Aliphatic C12-C16	6.944	10.391	5272477.000	40.000	ug/ml
Aliphatic C16-C21	10.392	13.764	7988617.000	60.000	ug/ml
Aliphatic C21-C28	13.765	17.429	10259393.000	80.000	ug/ml
Aliphatic C28-C40	17.430	22.428	13988591.000	120.000	ug/ml
Aliphatic EPH	3.317	22.428	45099077.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054624.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 22:57
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

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

Integration File: autoint1.e
 Quant Time: Jun 28 02:06:17 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)	12.065	2996248	18.451 ug/ml
Spiked Amount 50.000		Recovery =	36.90%
12) S 1-chlorooctadecane (S...	13.500	2305699	18.257 ug/ml
Spiked Amount 50.000		Recovery =	36.51%
Target Compounds			
1) T n-Nonane (C9)	3.418	2485025	18.475 ug/ml
2) T n-Decane (C10)	4.673	2534992	18.578 ug/ml
3) T A~Naphthalene (C11.7)	6.384	2820696	18.629 ug/ml
4) T n-Dodecane (C12)	6.845	2569982	18.731 ug/ml
5) T A~2-methylnaphthalene...	7.483	2751372	18.716 ug/ml
6) T n-Tetradecane (C14)	8.680	2594297	18.714 ug/ml
7) T n-Hexadecane (C16)	10.292	2678180	18.793 ug/ml
8) T n-Octadecane (C18)	11.740	2725504	18.597 ug/ml
10) T n-Eicosane (C20)	13.054	2654372	18.460 ug/ml
11) T n-Heneicosane (C21)	13.667	2608741	18.264 ug/ml
13) T n-Docosane (C22)	14.254	2592263	18.155 ug/ml
14) T n-Tetracosane (C24)	15.360	2595404	17.854 ug/ml
15) T n-Hexacosane (C26)	16.381	2542740	17.571 ug/mlm
16) T n-Octacosane (C28)	17.333	2528986	17.353 ug/ml
17) T n-Tricontane (C30)	18.222	2666043	16.918 ug/ml
18) T n-Dotriacontane (C32)	19.056	2680785	16.570 ug/ml
19) T n-Tetratriacontane (C34)	19.840	2541784	16.679 ug/ml
20) T n-Hexatriacontane (C36)	20.580	2234994	16.623 ug/ml
21) T n-Octatriacontane (C38)	21.354	2015232	17.183 ug/ml
22) T n-Tetracontane (C40)	22.336	1849753	17.067 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054624.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 22:57
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

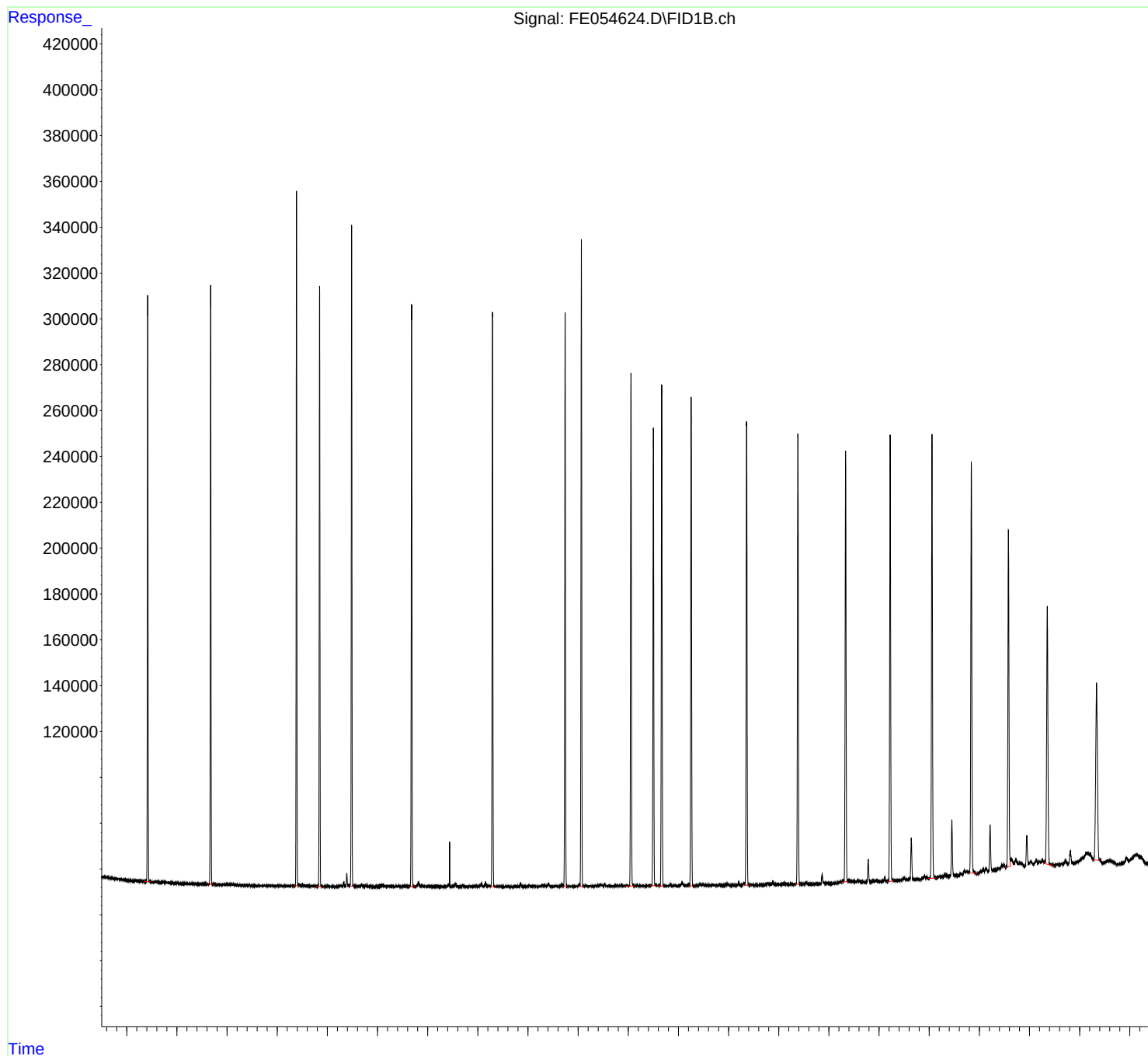
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

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

Integration File: autoint1.e
Quant Time: Jun 28 02:06:17 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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\

Data File : FE054624.D

Signal(s) : FID1B.ch

Acq On : 27 Jun 2025 22:57

Sample : 20 PPM ALIPHATIC HC STD

Misc :

ALS Vial : 11 Sample Multiplier: 1

Instrument :

FID_E

LabSampleId :

20 PPM ALIPHATIC HC STD

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	3.355	3.467	BB	255888	2485025	82.94%	4.428%
2	4.673	4.620	4.722	BB	260438	2534992	84.61%	4.517%
3	6.384	6.322	6.414	BV	303791	2820696	94.14%	5.026%
4	6.845	6.780	6.902	BB	262549	2569982	85.77%	4.579%
5	7.483	7.447	7.512	BB	288221	2751372	91.83%	4.902%
6	8.680	8.629	8.749	BB	254497	2594297	86.58%	4.622%
7	10.292	10.250	10.340	BB	250012	2678180	89.38%	4.772%
8	11.740	11.694	11.775	VB	249438	2725504	90.96%	4.856%
9	12.065	12.035	12.115	VB	281972	2996248	100.00%	5.339%
10	13.054	12.930	13.134	BB	223132	2654372	88.59%	4.730%
11	13.500	13.434	13.533	BV	199685	2305699	76.95%	4.108%
12	13.667	13.580	13.709	BB	217474	2608741	87.07%	4.648%
13	14.254	14.219	14.300	VB	212375	2592263	86.52%	4.619%
14	15.360	15.325	15.419	VB	201928	2595404	86.62%	4.624%
15	16.382	16.197	16.419	BB	196284	2552416	85.19%	4.548%
16	17.333	17.250	17.384	BV	185762	2528986	84.41%	4.506%
17	18.222	18.162	18.294	BV	194498	2666043	88.98%	4.750%
18	19.056	18.989	19.132	BB	193744	2680785	89.47%	4.777%
19	19.840	19.792	19.965	BB	178936	2541784	84.83%	4.529%
20	20.580	20.520	20.617	PV	145512	2234994	74.59%	3.982%
21	21.354	21.300	21.489	VV	111811	2015232	67.26%	3.591%
22	22.337	22.270	22.470	VV	78568	1990598	66.44%	3.547%

Sum of corrected areas: 56123613

Aliphatic EPH 062725.M Sat Jun 28 02:23:44 2025

Instrument :

FID_E

LabSampleId :

20 PPM ALIPHATIC HC STD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/30/2025

Supervised By :mohammad ahmed 06/30/2025

Continuing Calibration Report for SequenceID : FG062725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FG016154.D

Aliphatic C9-C12	6416956.000	60.000	3.316	6.955	106949.267	109333.554	2.181
Aliphatic C12-C16	4427737.000	40.000	6.956	10.413	110693.425	111824.611	1.012
Aliphatic C16-C21	6800919.000	60.000	10.414	13.802	113348.650	114479.647	0.988
Aliphatic C21-C28	9051271.000	80.000	13.803	17.485	113140.888	114390.192	1.092
Aliphatic C28-C40	11162303.000	120.000	17.486	22.536	93019.192	91995.767	-1.112
Aliphatic EPH	37859186.000	360.000	3.316	22.536	105164.406	105812.455	0.612

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	27 Jun 2025 15:08
Client Sample ID:		Operator:	YP\AJ
Data file:	FG016154.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.316	6.955	6416956.000	60.000	ug/ml
Aliphatic C12-C16	6.956	10.413	4427737.000	40.000	ug/ml
Aliphatic C16-C21	10.414	13.802	6800919.000	60.000	ug/ml
Aliphatic C21-C28	13.803	17.485	9051271.000	80.000	ug/ml
Aliphatic C28-C40	17.486	22.536	11162303.000	120.000	ug/ml
Aliphatic EPH	3.316	22.536	37859186.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
 Data File : FG016154.D
 Signal(s) : FID1A.ch
 Acq On : 27 Jun 2025 15:08
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

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

Integration File: autoint1.e
 Quant Time: Jun 28 04:31:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 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)	12.090	2561170	19.850 ug/ml
Spiked Amount 50.000		Recovery =	39.70%
12) S 1-chlorooctadecane (S...	13.533	1991128	19.760 ug/ml
Spiked Amount 50.000		Recovery =	39.52%
Target Compounds			
1) T n-Nonane (C9)	3.416	2105314	19.458 ug/ml
2) T n-Decane (C10)	4.676	2145909	19.563 ug/ml
3) T A~Naphthalene (C11.7)	6.392	2348189	19.653 ug/ml
4) T n-Dodecane (C12)	6.855	2165733	19.669 ug/ml
5) T A~2-methylnaphthalene...	7.494	2295254	19.734 ug/ml
6) T n-Tetradecane (C14)	8.694	2171295	19.772 ug/ml
7) T n-Hexadecane (C16)	10.313	2256442	19.823 ug/ml
8) T n-Octadecane (C18)	11.766	2306013	19.809 ug/ml
10) T n-Eicosane (C20)	13.085	2255532	19.818 ug/ml
11) T n-Heneicosane (C21)	13.701	2239374	19.780 ug/ml
13) T n-Docosane (C22)	14.291	2247672	19.772 ug/ml
14) T n-Tetracosane (C24)	15.402	2274044	19.721 ug/ml
15) T n-Hexacosane (C26)	16.429	2268889	19.716 ug/ml
16) T n-Octacosane (C28)	17.384	2260666	19.919 ug/ml
17) T n-Tricontane (C30)	18.277	2349006	20.517 ug/ml
18) T n-Dotriacontane (C32)	19.114	2251236	20.648 ug/ml
19) T n-Tetratriacontane (C34)	19.902	1997701	20.192 ug/ml
20) T n-Hexatriacontane (C36)	20.643	1678860	19.779 ug/mlm
21) T n-Octatriacontane (C38)	21.430	1493808	19.788 ug/ml
22) T n-Tetracontane (C40)	22.433	1391692	20.126 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016154.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 15:08
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

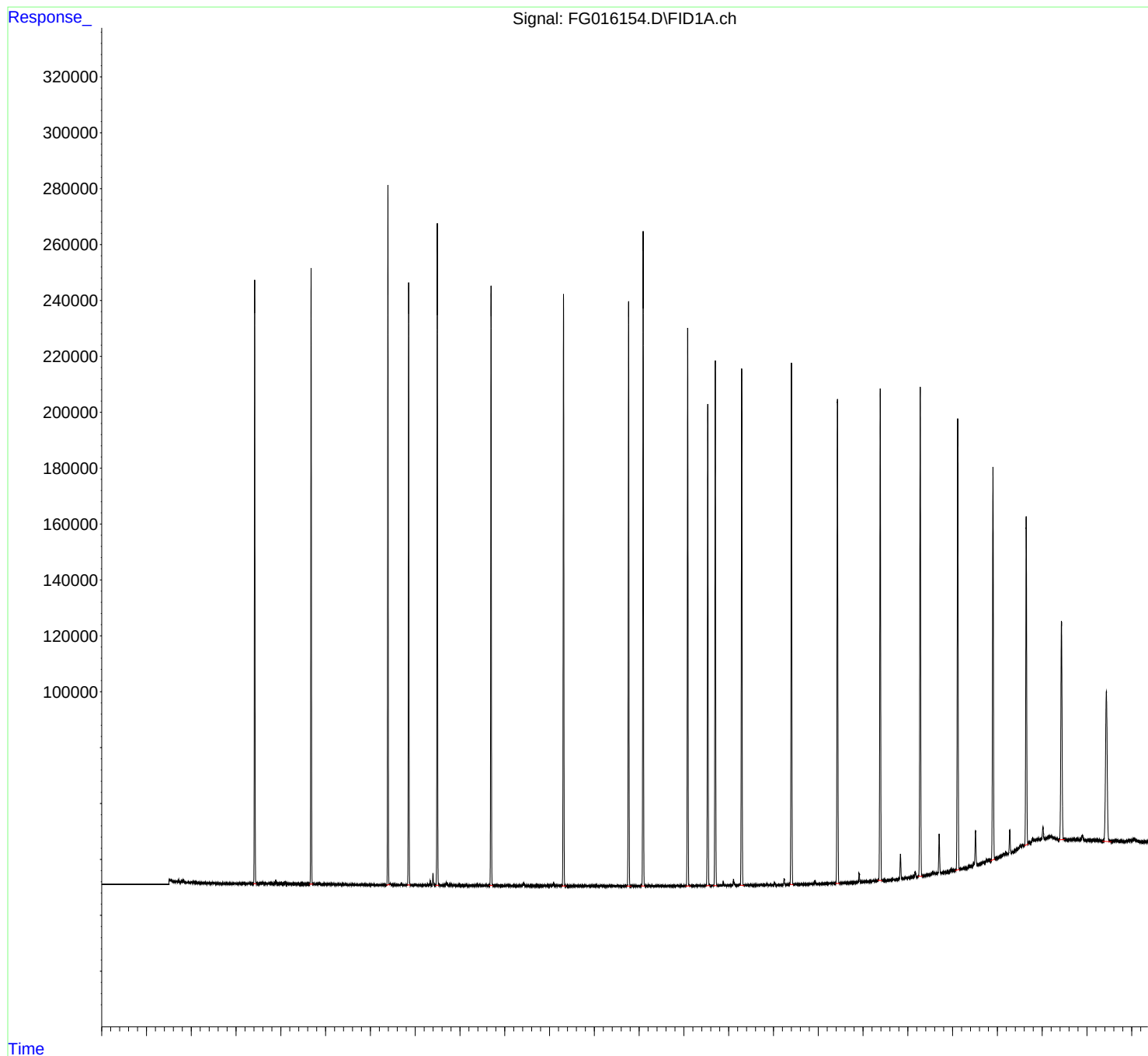
Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

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

Integration File: autoint1.e
Quant Time: Jun 28 04:31:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016154.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 15:08
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
LabSampleId :
20 PPM ALIPHATIC HC STD

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_G\Method\Aliphatic EPH 061325.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	3.387	3.453	BB	216043	2105314	82.20%	4.473%
2	4.676	4.641	4.708	BB	220039	2145909	83.79%	4.559%
3	6.392	6.360	6.424	BB	250180	2348189	91.68%	4.989%
4	6.855	6.824	6.889	BB	215205	2165733	84.56%	4.601%
5	7.494	7.454	7.525	BB	236873	2295254	89.62%	4.876%
6	8.694	8.654	8.732	BB	213950	2171295	84.78%	4.613%
7	10.313	10.273	10.358	BB	211455	2256442	88.10%	4.794%
8	11.766	11.722	11.811	BB	208961	2306013	90.04%	4.899%
9	12.090	12.047	12.128	BB	233658	2561170	100.00%	5.441%
10	13.085	13.038	13.135	BB	199346	2255532	88.07%	4.792%
11	13.533	13.498	13.578	BB	172130	1991128	77.74%	4.230%
12	13.701	13.658	13.739	BB	187681	2239374	87.44%	4.758%
13	14.291	14.257	14.333	BB	183764	2247672	87.76%	4.775%
14	15.402	15.367	15.438	BB	186746	2274044	88.79%	4.831%
15	16.429	16.386	16.479	BB	172701	2268889	88.59%	4.820%
16	17.384	17.332	17.422	BB	175672	2260666	88.27%	4.803%
17	18.277	18.229	18.328	BB	174666	2349006	91.72%	4.990%
18	19.114	19.060	19.155	BB	161536	2251236	87.90%	4.783%
19	19.902	19.848	19.941	BB	140383	1997701	78.00%	4.244%
20	20.644	20.470	20.682	BV	116992	1693601	66.13%	3.598%
21	21.430	21.373	21.502	BB	77776	1493808	58.33%	3.174%
22	22.433	22.350	22.545	BB	53724	1391692	54.34%	2.957%

Sum of corrected areas: 47069667

Aliphatic EPH 061325.M Sat Jun 28 04:54:11 2025

Instrument :

FID_G

LabSampleId :

20 PPM ALIPHATIC HC STD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/30/2025

Supervised By :mohammad ahmed 06/30/2025

Continuing Calibration Report for SequenceID : FG062725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FG016167.D

Aliphatic C9-C12	6294320.000	60.000	3.316	6.955	104905.333	109333.554	4.050
Aliphatic C12-C16	4354808.000	40.000	6.956	10.413	108870.200	111824.611	2.642
Aliphatic C16-C21	6711300.000	60.000	10.414	13.802	111855.000	114479.647	2.293
Aliphatic C21-C28	8970350.000	80.000	13.803	17.485	112129.375	114390.192	1.976
Aliphatic C28-C40	11181070.000	120.000	17.486	22.536	93175.583	91995.767	-1.282
Aliphatic EPH	37511848.000	360.000	3.316	22.536	104199.578	105812.455	1.524

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	27 Jun 2025 22:02
Client Sample ID:		Operator:	YP\AJ
Data file:	FG016167.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.316	6.955	6294320.000	60.000	ug/ml
Aliphatic C12-C16	6.956	10.413	4354808.000	40.000	ug/ml
Aliphatic C16-C21	10.414	13.802	6711300.000	60.000	ug/ml
Aliphatic C21-C28	13.803	17.485	8970350.000	80.000	ug/ml
Aliphatic C28-C40	17.486	22.536	11181070.000	120.000	ug/ml
Aliphatic EPH	3.316	22.536	37511848.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
 Data File : FG016167.D
 Signal(s) : FID1A.ch
 Acq On : 27 Jun 2025 22:02
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Jun 28 04:33:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 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)	12.090	2529586	19.605 ug/ml
Spiked Amount 50.000		Recovery =	39.21%
12) S 1-chlorooctadecane (S...	13.533	1968306	19.534 ug/ml
Spiked Amount 50.000		Recovery =	39.07%
Target Compounds			
1) T n-Nonane (C9)	3.415	2060832	19.047 ug/ml
2) T n-Decane (C10)	4.676	2104678	19.187 ug/ml
3) T A~Naphthalene (C11.7)	6.392	2309286	19.328 ug/ml
4) T n-Dodecane (C12)	6.855	2128810	19.333 ug/ml
5) T A~2-methylnaphthalene...	7.494	2260119	19.432 ug/ml
6) T n-Tetradecane (C14)	8.694	2133981	19.432 ug/ml
7) T n-Hexadecane (C16)	10.313	2220827	19.510 ug/ml
8) T n-Octadecane (C18)	11.766	2272545	19.521 ug/ml
10) T n-Eicosane (C20)	13.085	2225208	19.552 ug/ml
11) T n-Heneicosane (C21)	13.702	2213547	19.552 ug/ml
13) T n-Docosane (C22)	14.292	2230138	19.617 ug/ml
14) T n-Tetracosane (C24)	15.403	2252797	19.537 ug/ml
15) T n-Hexacosane (C26)	16.429	2244125	19.501 ug/ml
16) T n-Octacosane (C28)	17.384	2243290	19.766 ug/ml
17) T n-Tricontane (C30)	18.277	2342486	20.460 ug/ml
18) T n-Dotriacontane (C32)	19.114	2257395	20.704 ug/ml
19) T n-Tetratriacontane (C34)	19.902	2007279	20.289 ug/ml
20) T n-Hexatriacontane (C36)	20.645	1692054	19.935 ug/ml
21) T n-Octatriacontane (C38)	21.432	1496906	19.829 ug/ml
22) T n-Tetracontane (C40)	22.433	1384950	20.029 ug/ml

(f)=RT Delta > 1/2 Window

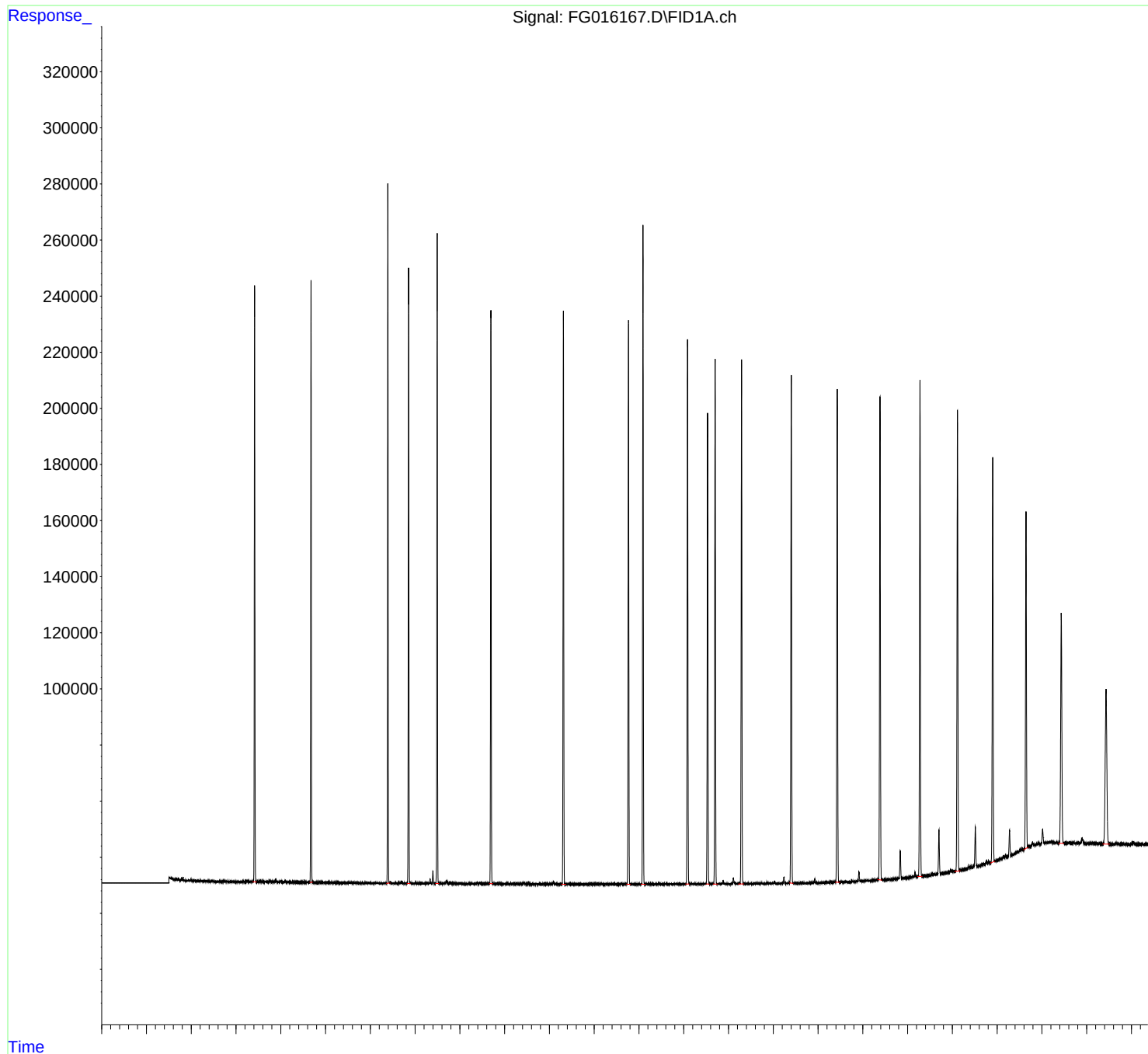
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016167.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 22:02
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Jun 28 04:33:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\

Data File : FG016167.D

Signal(s) : FID1A.ch

Acq On : 27 Jun 2025 22:02

Sample : 20 PPM ALIPHATIC HC STD

Misc :

ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.415	3.373	3.458	BB	212492	2060832	81.47%	4.424%
2	4.676	4.645	4.713	BB	214572	2104678	83.20%	4.518%
3	6.392	6.362	6.429	BB	248856	2309286	91.29%	4.958%
4	6.855	6.821	6.893	BB	219126	2128810	84.16%	4.570%
5	7.494	7.454	7.533	BB	231586	2260119	89.35%	4.852%
6	8.694	8.660	8.736	BB	204382	2133981	84.36%	4.581%
7	10.313	10.267	10.357	BB	203966	2220827	87.79%	4.768%
8	11.766	11.723	11.810	BB	200728	2272545	89.84%	4.879%
9	12.090	12.046	12.133	BB	234393	2529586	100.00%	5.431%
10	13.085	13.039	13.124	BB	193271	2225208	87.97%	4.777%
11	13.533	13.497	13.571	BB	167226	1968306	77.81%	4.226%
12	13.702	13.658	13.747	BB	186793	2213547	87.51%	4.752%
13	14.292	14.220	14.328	BB	187155	2230138	88.16%	4.788%
14	15.403	15.364	15.445	BB	181016	2252797	89.06%	4.836%
15	16.429	16.386	16.478	BB	175083	2244125	88.72%	4.818%
16	17.384	17.335	17.427	BB	172069	2243290	88.68%	4.816%
17	18.277	18.225	18.328	BB	176876	2342486	92.60%	5.029%
18	19.114	19.061	19.172	BB	163955	2257395	89.24%	4.846%
19	19.902	19.849	19.939	BB	143761	2007279	79.35%	4.309%
20	20.645	20.593	20.681	BB	120115	1692054	66.89%	3.633%
21	21.432	21.375	21.491	BB	81456	1496906	59.18%	3.214%
22	22.433	22.358	22.513	BB	55237	1384950	54.75%	2.973%

Sum of corrected areas: 46579143

Aliphatic EPH 061325.M Sat Jun 28 04:57:03 2025



QC SAMPLE DATA

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:		
Project:	1710 N4 Ave		Date Received:		
Client Sample ID:	PB168635BL		SDG No.:	Q2431	
Lab Sample ID:	PB168635BL		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
06/27/25 08:30	06/27/25 15:37	PB168635

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	FG016155.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FG016155.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg	
Total EPH	Total EPH	2.09	U		2.09	6.00	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BL	SDG No.:	Q2431
Lab Sample ID:	PB168635BL	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
FG016155.D	1	06/27/25	06/27/25	PB168635

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)	40.5		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.1		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168635BL	Acq On:	27 Jun 2025 15:37
Client Sample ID:	PB168635BL	Operator:	YP\AJ
Data file:	FG016155.D	Misc:	
Instrument:	FID_G	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.316	6.955	0	0	300	ug/ml
Aliphatic C12-C16	6.956	10.413	0	0	200	ug/ml
Aliphatic C16-C21	10.414	13.802	0	0	300	ug/ml
Aliphatic C21-C28	13.803	17.485	0	0	400	ug/ml
Aliphatic C28-C40	17.486	22.536	0	0	600	ug/ml
Aliphatic EPH	3.316	22.536	0	0		ug/ml
ortho-Terphenyl (SURR)	12.094	12.094	5050312	39.14		ug/ml
1-chlorooctadecane (SURR)	13.536	13.536	4079250	40.48		ug/ml
Aliphatic C9-C28	3.316	17.485	0	0	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
 Data File : FG016155.D
 Signal(s) : FID1A.ch
 Acq On : 27 Jun 2025 15:37
 Operator : YP\AJ
 Sample : PB168635BL
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 PB168635BL

Integration File: autoint1.e
 Quant Time: Jun 28 04:31:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 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)	12.094	5050312	39.142 ug/ml
Spiked Amount 50.000		Recovery =	78.28%
12) S 1-chlorooctadecane (S...	13.536	4079250	40.483 ug/ml
Spiked Amount 50.000		Recovery =	80.97%

Target Compounds

(f)=RT Delta > 1/2 Window

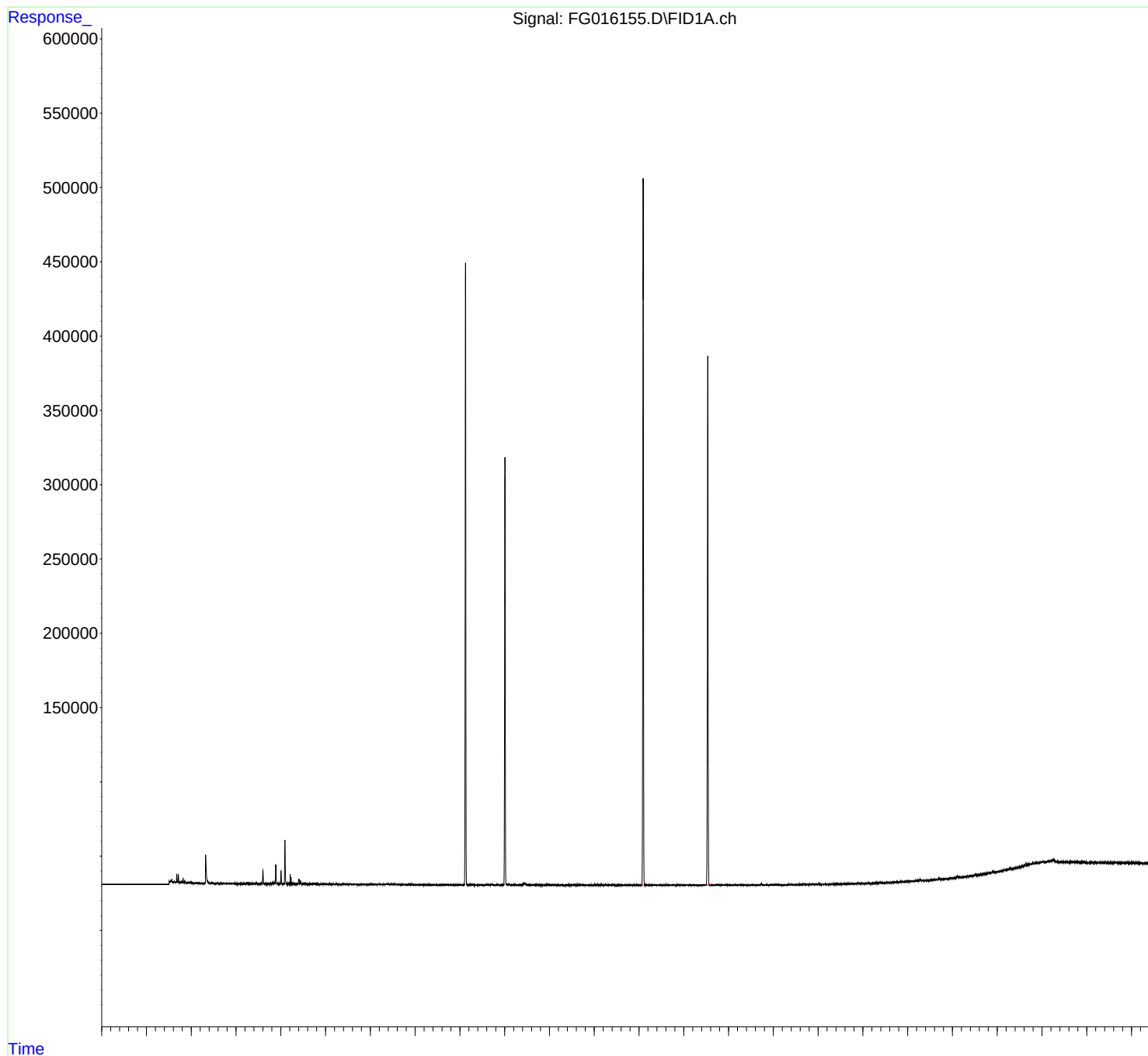
(m)=manual int.

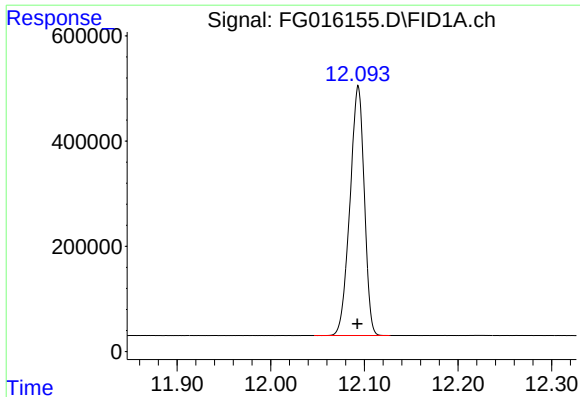
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016155.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 15:37
Operator : YP\AJ
Sample : PB168635BL
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB168635BL

Integration File: autoint1.e
Quant Time: Jun 28 04:31:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

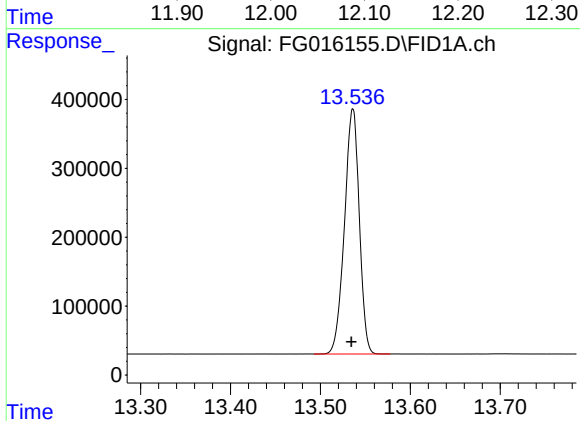




#9 ortho-Terphenyl (SURR)

R.T.: 12.094 min
Delta R.T.: 0.001 min
Response: 5050312
Conc: 39.14 ug/ml

Instrument :
FID_G
ClientSampleId :
PB168635BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.536 min
Delta R.T.: 0.002 min
Response: 4079250
Conc: 40.48 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\

Data File : FG016155.D

Signal(s) : FID1A.ch

Acq On : 27 Jun 2025 15:37

Sample : PB168635BL

Misc :

ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	12.094	12.047	12.127	BB	475211	5050312	100.00%	55.318%
2	13.536	13.493	13.577	BB	356120	4079250	80.77%	44.682%
Sum of corrected areas:						9129562		

Aliphatic EPH 061325.M Sat Jun 28 04:54:34 2025

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:		
Project:	1710 N4 Ave		Date Received:		
Client Sample ID:	PB168635BS		SDG No.:	Q2431	
Lab Sample ID:	PB168635BS		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
06/27/25 08:30	06/27/25 16:07	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	31.2		1	1.18	2.00	mg/kg	FG016156.D
Aliphatic C9-C28	Aliphatic C9-C28	76.6		1	0.91	3.99	mg/kg	FG016156.D
Total AliphaticEPH	Total AliphaticEPH	108			2.09	5.99	mg/kg	
Total EPH	Total EPH	108			2.09	5.99	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BS	SDG No.:	Q2431
Lab Sample ID:	PB168635BS	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
FG016156.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	76.6		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.2		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.5		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.3		40 - 140	79%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168635BS	Acq On:	27 Jun 2025 16:07
Client Sample ID:	PB168635BS	Operator:	YP\AJ
Data file:	FG016156.D	Misc:	
Instrument:	FID_G	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.316	6.955	22361920	204.529	300	ug/ml
Aliphatic C12-C16	6.956	10.413	29343114	262.403	200	ug/ml
Aliphatic C16-C21	10.414	13.802	34773677	303.754	300	ug/ml
Aliphatic C21-C28	13.803	17.485	43506253	380.332	400	ug/ml
Aliphatic C28-C40	17.486	22.536	43077790	468.258	600	ug/ml
Aliphatic EPH	3.316	22.536	173062754	1620		ug/ml
ortho-Terphenyl (SURR)	12.093	12.093	5065625	39.26		ug/ml
1-chlorooctadecane (SURR)	13.536	13.536	4077061	40.46		ug/ml
Aliphatic C9-C28	3.316	17.485	129984964	1150	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
 Data File : FG016156.D
 Signal(s) : FID1A.ch
 Acq On : 27 Jun 2025 16:07
 Operator : YP\AJ
 Sample : PB168635BS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 PB168635BS

Integration File: autoint1.e
 Quant Time: Jun 28 04:31:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 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)	12.093	5065625	39.261 ug/ml
Spiked Amount 50.000		Recovery =	78.52%
12) S 1-chlorooctadecane (S...	13.536	4077061	40.461 ug/ml
Spiked Amount 50.000		Recovery =	80.92%
Target Compounds			
1) T n-Nonane (C9)	3.424	3957378	36.575 ug/ml
2) T n-Decane (C10)	4.681	4196719	38.259 ug/ml
3) T A~Naphthalene (C11.7)	6.394	5117887	42.834 ug/ml
4) T n-Dodecane (C12)	6.857	4338869	39.405 ug/ml
5) T A~2-methylnaphthalene...	7.496	4809488	41.351 ug/ml
6) T n-Tetradecane (C14)	8.698	4376108	39.848 ug/ml
7) T n-Hexadecane (C16)	10.315	4478274	39.342 ug/ml
8) T n-Octadecane (C18)	11.769	4504089	38.690 ug/ml
10) T n-Eicosane (C20)	13.088	4682240	41.140 ug/ml
11) T n-Heneicosane (C21)	13.703	4520220	39.927 ug/ml
13) T n-Docosane (C22)	14.294	4502879	39.610 ug/ml
14) T n-Tetracosane (C24)	15.395	9757867	84.622 ug/ml
15) T n-Hexacosane (C26)	16.433	4436613	38.553 ug/ml
16) T n-Octacosane (C28)	17.388	4361227	38.428 ug/ml
17) T n-Tricontane (C30)	18.281	4334311	37.857 ug/ml
18) T n-Dotriacontane (C32)	19.117	4309645	39.527 ug/ml
19) T n-Tetratriacontane (C34)	19.905	4703084	47.537 ug/ml
20) T n-Hexatriacontane (C36)	20.649	4855079	57.200 ug/ml
21) T n-Octatriacontane (C38)	21.439	5183818	68.667 ug/ml
22) T n-Tetracontane (C40)	22.445	5265596	76.149 ug/ml

(f)=RT Delta > 1/2 Window

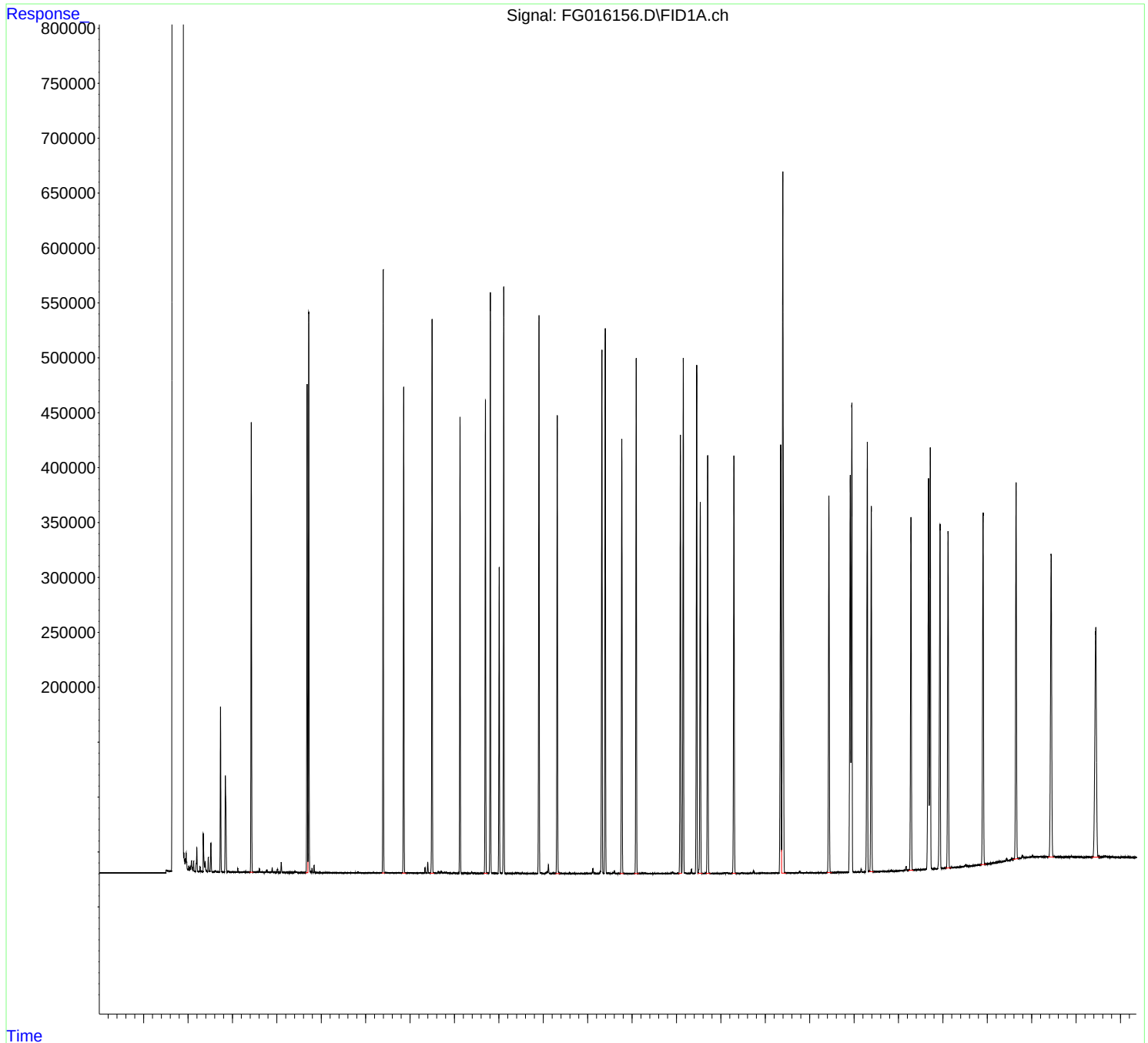
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016156.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 16:07
Operator : YP\AJ
Sample : PB168635BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB168635BS

Integration File: autoint1.e
Quant Time: Jun 28 04:31:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\

Data File : FG016156.D

Signal(s) : FID1A.ch

Acq On : 27 Jun 2025 16:07

Sample : PB168635BS

Misc :

ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.424	3.385	3.467	BB	409127	3957378	40.56%	2.172%
2	4.681	4.648	4.700	BV	444218	4196719	43.01%	2.303%
3	4.719	4.700	4.747	VV	510461	4751067	48.69%	2.608%
4	6.394	6.365	6.430	BB	549373	5117887	52.45%	2.809%
5	6.857	6.823	6.897	BB	442693	4338869	44.47%	2.381%
6	7.496	7.451	7.529	BB	503580	4809488	49.29%	2.640%
7	8.698	8.661	8.743	BB	430702	4376108	44.85%	2.402%
8	8.808	8.774	8.849	BB	528350	5203254	53.32%	2.856%
9	9.111	9.075	9.149	BB	532884	5188889	53.18%	2.848%
10	9.904	9.858	9.935	BB	505550	5287101	54.18%	2.902%
11	10.315	10.275	10.376	BB	417760	4478274	45.89%	2.458%
12	11.321	11.255	11.359	BV	476194	5266740	53.97%	2.891%
13	11.397	11.359	11.438	PB	494927	5278181	54.09%	2.897%
14	11.769	11.724	11.813	BB	395377	4504089	46.16%	2.472%
15	12.093	12.049	12.137	BB	469238	5065625	51.91%	2.780%
16	13.088	13.046	13.119	BV	399562	4682240	47.98%	2.570%
17	13.154	13.119	13.188	VB	465755	5253179	53.84%	2.883%
18	13.456	13.407	13.483	BV	462941	5269028	54.00%	2.892%
19	13.536	13.483	13.590	VB	337712	4077061	41.78%	2.238%
20	13.703	13.665	13.751	BB	380831	4520220	46.32%	2.481%
21	14.294	14.255	14.340	BB	380386	4502879	46.15%	2.471%
22	15.347	15.300	15.367	BV	388900	5264125	53.95%	2.889%
23	15.395	15.367	15.456	VB	634254	9757867	100.00%	5.355%

24	16.433	16.394	16.485	BB	340873	4436613	45.47%	2.435%
25	16.914	16.854	16.930	BV	361788	5123146	52.50%	2.812%

26	16.951	16.930	16.990	VB	424435	5104266	52.31%	2.801%
27	17.299	17.242	17.326	BB	390622	4956130	50.79%	2.720%
28	17.388	17.346	17.426	BB	330544	4361227	44.69%	2.394%
29	18.281	18.224	18.334	BB	320744	4334311	44.42%	2.379%
30	18.678	18.617	18.692	BV	355938	5063368	51.89%	2.779%

31	18.717	18.692	18.760	VB	380787	4785746	49.05%	2.627%
32	18.937	18.856	18.982	BB	313693	4577143	46.91%	2.512%
33	19.117	19.060	19.172	BB	304782	4309645	44.17%	2.365%
34	19.905	19.842	19.961	BB	317764	4703084	48.20%	2.581%
35	20.649	20.576	20.688	BB	342280	4855079	49.76%	2.665%

36	21.439	21.365	21.505	BB	275080	5183818	53.12%	2.845%
37	22.445	22.350	22.522	BB	208550	5265596	53.96%	2.890%

Sum of corrected areas: 182205437

Aliphatic EPH 061325.M Sat Jun 28 04:55:23 2025

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BSD	SDG No.:	Q2431
Lab Sample ID:	PB168635BSD	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
06/27/25 08:30	06/27/25 16:36	PB168635

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	FG016157.D
Aliphatic C9-C28	Aliphatic C9-C28	76.6		1	0.91	3.99	mg/kg	FG016157.D
Total AliphaticEPH	Total AliphaticEPH	108			2.09	5.99	mg/kg	
Total EPH	Total EPH	108			2.09	5.99	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BSD	SDG No.:	Q2431
Lab Sample ID:	PB168635BSD	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
FG016157.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	76.6		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)	40.4		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.1		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168635BSD	Acq On:	27 Jun 2025 16:36
Client Sample ID:	PB168635BSD	Operator:	YP\AJ
Data file:	FG016157.D	Misc:	
Instrument:	FID_G	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.316	6.955	22284443	203.821	300	ug/ml
Aliphatic C12-C16	6.956	10.413	29227715	261.371	200	ug/ml
Aliphatic C16-C21	10.414	13.802	34694552	303.063	300	ug/ml
Aliphatic C21-C28	13.803	17.485	43657282	381.652	400	ug/ml
Aliphatic C28-C40	17.486	22.536	43323180	470.926	600	ug/ml
Aliphatic EPH	3.316	22.536	173187172	1620		ug/ml
ortho-Terphenyl (SURR)	12.093	12.093	5048432	39.13		ug/ml
1-chlorooctadecane (SURR)	13.536	13.536	4067682	40.37		ug/ml
Aliphatic C9-C28	3.316	17.485	129863992	1150	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
 Data File : FG016157.D
 Signal(s) : FID1A.ch
 Acq On : 27 Jun 2025 16:36
 Operator : YP\AJ
 Sample : PB168635BSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 PB168635BSD

Integration File: autoint1.e
 Quant Time: Jun 28 04:31:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 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)	12.093	5048432	39.128 ug/ml
Spiked Amount 50.000		Recovery =	78.26%
12) S 1-chlorooctadecane (S...	13.536	4067682	40.368 ug/ml
Spiked Amount 50.000		Recovery =	80.74%
Target Compounds			
1) T n-Nonane (C9)	3.424	3950392	36.511 ug/ml
2) T n-Decane (C10)	4.681	4182331	38.128 ug/ml
3) T A~Naphthalene (C11.7)	6.394	5101988	42.701 ug/ml
4) T n-Dodecane (C12)	6.856	4322799	39.259 ug/ml
5) T A~2-methylnaphthalene...	7.496	4791365	41.195 ug/ml
6) T n-Tetradecane (C14)	8.697	4358519	39.688 ug/ml
7) T n-Hexadecane (C16)	10.314	4459516	39.177 ug/ml
8) T n-Octadecane (C18)	11.769	4488553	38.556 ug/ml
10) T n-Eicosane (C20)	13.088	4670360	41.036 ug/ml
11) T n-Heneicosane (C21)	13.703	4508892	39.827 ug/ml
13) T n-Docosane (C22)	14.295	4498142	39.568 ug/ml
14) T n-Tetracosane (C24)	15.395	9774195	84.764 ug/ml
15) T n-Hexacosane (C26)	16.434	4455294	38.716 ug/ml
16) T n-Octacosane (C28)	17.388	4390381	38.685 ug/ml
17) T n-Tricontane (C30)	18.282	4378332	38.242 ug/ml
18) T n-Dotriacontane (C32)	19.117	4351911	39.915 ug/ml
19) T n-Tetratriacontane (C34)	19.905	4731896	47.829 ug/ml
20) T n-Hexatriacontane (C36)	20.649	4871092	57.388 ug/ml
21) T n-Octatriacontane (C38)	21.437	5198674	68.864 ug/ml
22) T n-Tetracontane (C40)	22.441	5280246	76.361 ug/ml

(f)=RT Delta > 1/2 Window

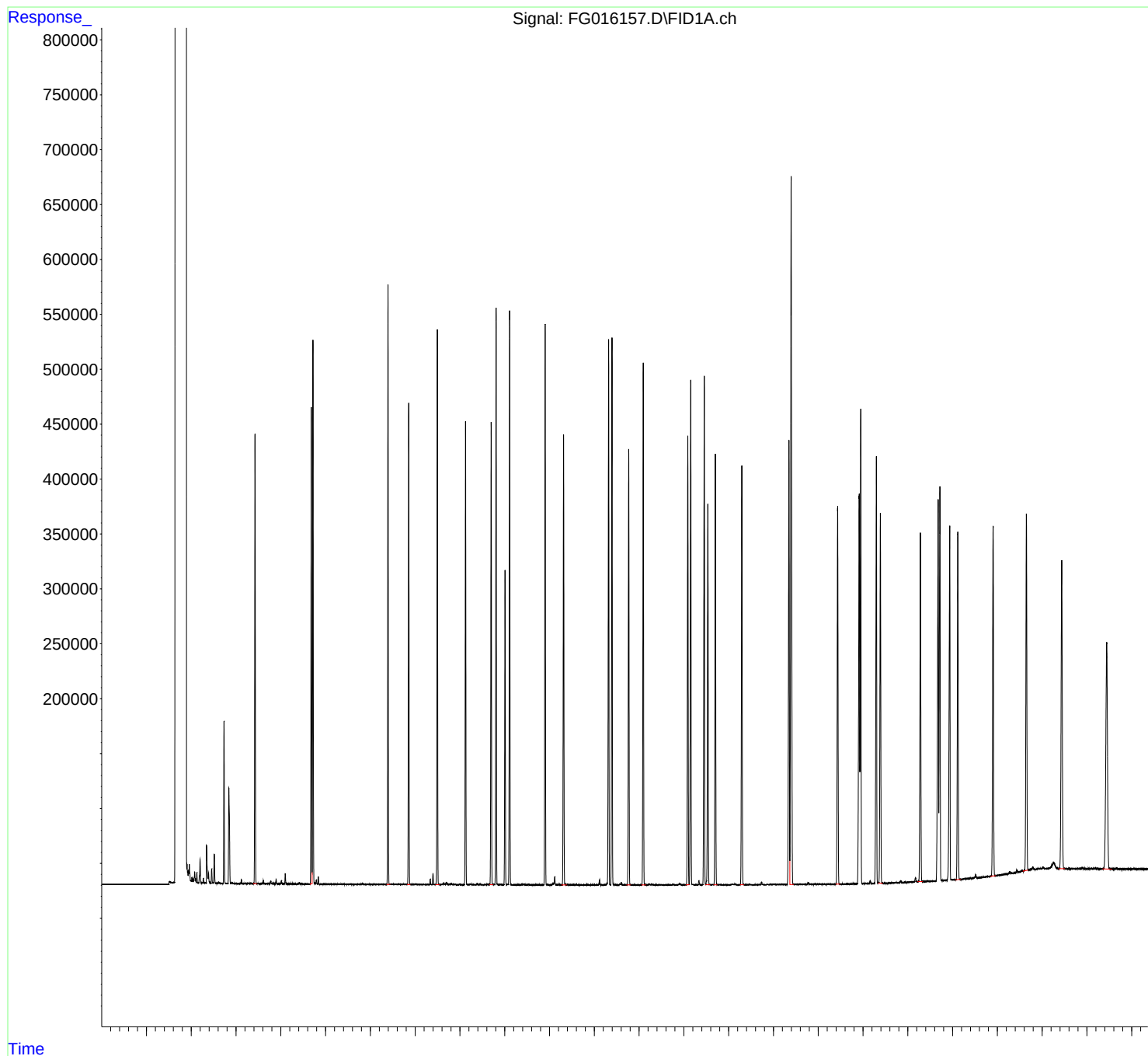
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016157.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 16:36
Operator : YP\AJ
Sample : PB168635BSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB168635BSD

Integration File: autoint1.e
Quant Time: Jun 28 04:31:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\

Data File : FG016157.D

Signal(s) : FID1A.ch

Acq On : 27 Jun 2025 16:36

Sample : PB168635BSD

Misc :

ALS Vial : 27 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.424	3.385	3.470	BB	408823	3950392	40.42%	2.167%
2	4.681	4.648	4.699	BV	433714	4182331	42.79%	2.294%
3	4.718	4.699	4.746	VV	494704	4726933	48.36%	2.593%
4	6.394	6.364	6.430	BB	545976	5101988	52.20%	2.799%
5	6.856	6.822	6.890	BB	437722	4322799	44.23%	2.371%
6	7.496	7.456	7.534	BB	503742	4791365	49.02%	2.628%
7	8.697	8.662	8.741	BB	421603	4358519	44.59%	2.391%
8	8.808	8.771	8.850	BB	524401	5182494	53.02%	2.843%
9	9.110	9.075	9.147	BB	517982	5168755	52.88%	2.835%
10	9.903	9.864	9.930	BB	510652	5267066	53.89%	2.889%
11	10.314	10.272	10.371	BB	408650	4459516	45.63%	2.446%
12	11.320	11.261	11.355	BV	493786	5252950	53.74%	2.881%
13	11.396	11.355	11.441	PB	497453	5263470	53.85%	2.887%
14	11.769	11.718	11.810	BB	395914	4488553	45.92%	2.462%
15	12.093	12.056	12.137	BB	475904	5048432	51.65%	2.769%
16	13.088	13.047	13.117	BV	408310	4670360	47.78%	2.562%
17	13.154	13.117	13.185	VB	459163	5244880	53.66%	2.877%
18	13.456	13.403	13.484	BV	463090	5265447	53.87%	2.888%
19	13.536	13.484	13.585	VB	346519	4067682	41.62%	2.231%
20	13.703	13.666	13.745	BB	390367	4508892	46.13%	2.473%
21	14.295	14.256	14.341	BB	381618	4498142	46.02%	2.467%
22	15.347	15.301	15.366	BV	403684	5278601	54.01%	2.896%
23	15.395	15.366	15.439	VB	644955	9774195	100.00%	5.362%

24	16.434	16.393	16.486	BB	340908	4455294	45.58%	2.444%
25	16.915	16.854	16.930	BV	351661	5159444	52.79%	2.830%
26	16.950	16.930	16.987	VB	432360	5121510	52.40%	2.809%
27	17.299	17.240	17.325	BB	387886	4979715	50.95%	2.732%
28	17.388	17.343	17.428	BB	337356	4390381	44.92%	2.408%
29	18.282	18.220	18.331	BB	313520	4378332	44.79%	2.402%
30	18.678	18.612	18.693	BV	347868	5097058	52.15%	2.796%
31	18.718	18.693	18.764	VB	357696	4818698	49.30%	2.643%
32	18.937	18.861	18.979	BB	322520	4595273	47.01%	2.521%
33	19.117	19.060	19.168	BB	316475	4351911	44.52%	2.387%
34	19.905	19.841	19.947	BB	317406	4731896	48.41%	2.596%
35	20.649	20.569	20.687	BB	324426	4871092	49.84%	2.672%
36	21.437	21.364	21.510	BB	280478	5198674	53.19%	2.852%
37	22.441	22.351	22.544	BB	206337	5280246	54.02%	2.896%

Sum of corrected areas: 182303282

Aliphatic EPH 061325.M Sat Jun 28 04:56:13 2025

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:		
Project:	1710 N4 Ave		Date Received:		
Client Sample ID:	MH-E/FMS		SDG No.:	Q2431	
Lab Sample ID:	Q2430-01MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.2	
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
06/27/25 08:30	06/27/25 18:05	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	39.1		1	1.34	2.26	mg/kg	FG016160.D
Aliphatic C9-C28	Aliphatic C9-C28	91.0	E	1	1.03	4.53	mg/kg	FG016160.D
Total AliphaticEPH	Total AliphaticEPH	130			2.37	6.79	mg/kg	
Total EPH	Total EPH	130			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:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	MH-E/FMS	SDG No.:	Q2431
Lab Sample ID:	Q2430-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
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
FG016160.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	91.0	E	1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	39.1		1.34	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.7		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.1		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2430-01MS	Acq On:	27 Jun 2025 18:05
Client Sample ID:	MH-E/FMS	Operator:	YP\AJ
Data file:	FG016160.D	Misc:	
Instrument:	FID_G	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.316	6.955	23922255	218.801	300	ug/ml
Aliphatic C12-C16	6.956	10.413	28002403	250.414	200	ug/ml
Aliphatic C16-C21	10.414	13.802	37290163	325.736	300	ug/ml
Aliphatic C21-C28	13.803	17.485	46989203	410.78	400	ug/ml
Aliphatic C28-C40	17.486	22.536	47679276	518.277	600	ug/ml
Aliphatic EPH	3.316	22.536	183883300	1720		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	4148176	32.15		ug/ml
1-chlorooctadecane (SURR)	13.535	13.535	3392723	33.67		ug/ml
Aliphatic C9-C28	3.316	17.485	136204024	1210	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
 Data File : FG016160.D
 Signal(s) : FID1A.ch
 Acq On : 27 Jun 2025 18:05
 Operator : YP\AJ
 Sample : Q2430-01MS
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 MH-E/FMS

Integration File: autoint1.e
 Quant Time: Jun 28 04:32:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 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)	12.092	4148176	32.150 ug/ml
Spiked Amount 50.000		Recovery =	64.30%
12) S 1-chlorooctadecane (S...	13.535	3392723	33.670 ug/ml
Spiked Amount 50.000		Recovery =	67.34%
Target Compounds			
1) T n-Nonane (C9)	3.419	3126880	28.900 ug/ml
2) T n-Decane (C10)	4.679	3463063	31.571 ug/ml
3) T A~Naphthalene (C11.7)	6.393	4306662	36.045 ug/ml
4) T n-Dodecane (C12)	6.856	3695928	33.566 ug/ml
5) T A~2-methylnaphthalene...	7.495	4167889	35.835 ug/ml
6) T n-Tetradecane (C14)	8.697	3951675	35.984 ug/ml
7) T n-Hexadecane (C16)	10.315	4440678	39.011 ug/ml
8) T n-Octadecane (C18)	11.769	4682036	40.218 ug/ml
10) T n-Eicosane (C20)	13.089	4930098	43.318 ug/ml
11) T n-Heneicosane (C21)	13.704	4770343	42.136 ug/ml
13) T n-Docosane (C22)	14.295	4765548	41.920 ug/ml
14) T n-Tetracosane (C24)	15.395	10285150	89.195 ug/ml
15) T n-Hexacosane (C26)	16.433	4723712	41.048 ug/ml
16) T n-Octacosane (C28)	17.388	4614093	40.656 ug/ml
17) T n-Tricontane (C30)	18.281	4555931	39.793 ug/ml
18) T n-Dotriacontane (C32)	19.117	4405116	40.403 ug/ml
19) T n-Tetratriacontane (C34)	19.903	4444651	44.925 ug/ml
20) T n-Hexatriacontane (C36)	20.647	4128289	48.637 ug/ml
21) T n-Octatriacontane (C38)	21.435	4003793	53.036 ug/ml
22) T n-Tetracontane (C40)	22.437	3802701	54.993 ug/ml

(f)=RT Delta > 1/2 Window

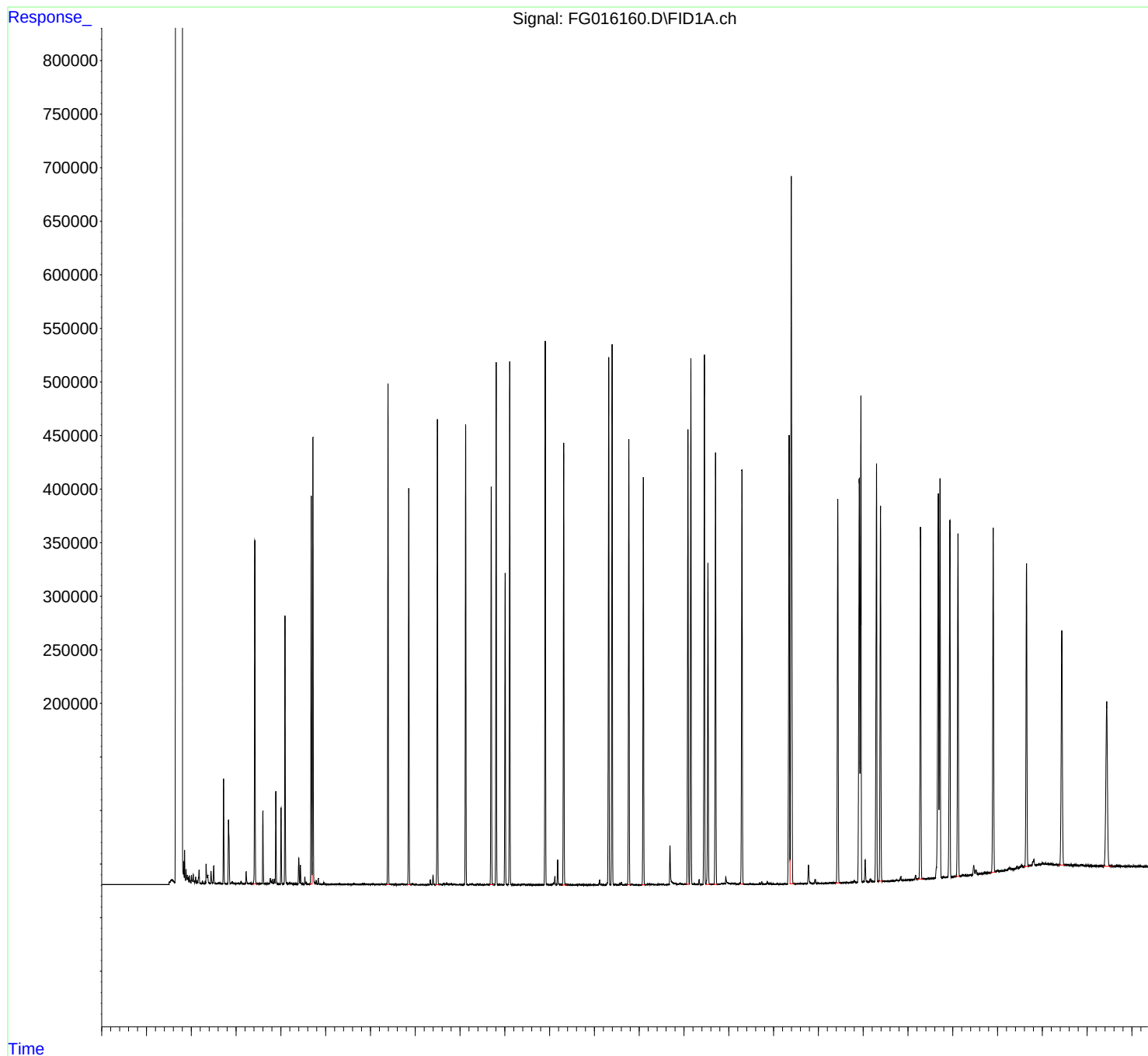
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016160.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 18:05
Operator : YP\AJ
Sample : Q2430-01MS
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
MH-E/FMS

Integration File: autoint1.e
Quant Time: Jun 28 04:32:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\

Data File : FG016160.D

Signal(s) : FID1A.ch

Acq On : 27 Jun 2025 18:05

Sample : Q2430-01MS

Misc :

ALS Vial : 30 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.279	3.238	3.296	BV	-788	-21448	-0.21%	-0.011%
2	3.315	3.296	3.349	PV	551	5475	0.05%	0.003%
3	3.364	3.349	3.377	PV	85	1033	0.01%	0.001%
4	3.419	3.377	3.491	PV	319443	3134948	30.45%	1.638%
5	3.522	3.491	3.541	VV	286	6369	0.06%	0.003%
6	3.561	3.541	3.574	VV	500	6565	0.06%	0.003%
7	3.599	3.574	3.658	VV	68016	627211	6.09%	0.328%
8	3.665	3.658	3.684	VV	213	2225	0.02%	0.001%
9	3.705	3.684	3.724	VV	499	7069	0.07%	0.004%
10	3.763	3.724	3.794	VV	5140	72339	0.70%	0.038%
11	3.810	3.794	3.828	VV	4187	43490	0.42%	0.023%
12	3.854	3.828	3.868	VV	4636	58192	0.57%	0.030%
13	3.888	3.868	3.948	VV	86309	781628	7.59%	0.408%
14	3.952	3.948	3.961	VV	64	345	0.00%	0.000%
15	4.005	3.961	4.055	VV	70853	639912	6.21%	0.334%
16	4.092	4.055	4.170	VV	249790	2282186	22.16%	1.192%
17	4.197	4.170	4.242	VV	1259	27048	0.26%	0.014%
18	4.252	4.242	4.279	VV	358	5200	0.05%	0.003%
19	4.297	4.279	4.309	VV	182	2353	0.02%	0.001%
20	4.324	4.309	4.365	VV	258	5943	0.06%	0.003%
21	4.400	4.365	4.421	VV	24423	280728	2.73%	0.147%
22	4.436	4.421	4.503	VV	17821	170194	1.65%	0.089%
23	4.536	4.503	4.552	VV	6928	63139	0.61%	0.033%

24	4.561	4.552	4.631	VV	1859	19380	0.19%	0.010%
25	4.678	4.631	4.697	VV	360607	3468369	33.68%	1.812%
26	4.716	4.697	4.769	VV	415580	3920807	38.08%	2.048%
27	4.790	4.769	4.814	VV	3296	36327	0.35%	0.019%
28	4.835	4.814	4.895	VV	5507	54454	0.53%	0.028%
29	4.901	4.895	4.936	VV	126	1813	0.02%	0.001%
30	4.957	4.936	4.978	VV	1423	13812	0.13%	0.007%
31	4.991	4.978	5.021	VV	172	2033	0.02%	0.001%
32	5.048	5.021	5.080	VV	164	2217	0.02%	0.001%
33	5.093	5.080	5.116	VV	136	1817	0.02%	0.001%
34	5.135	5.116	5.161	VV	77	1418	0.01%	0.001%
35	5.184	5.161	5.251	PV	100	2787	0.03%	0.001%
36	5.308	5.251	5.326	VV	788	8991	0.09%	0.005%
37	5.342	5.326	5.373	VV	307	4904	0.05%	0.003%
38	5.397	5.373	5.421	VV	245	3283	0.03%	0.002%
39	5.435	5.421	5.457	VV	92	1012	0.01%	0.001%
40	5.503	5.457	5.557	VV	155	4264	0.04%	0.002%
41	5.580	5.557	5.604	VV	155	2783	0.03%	0.001%
42	5.624	5.604	5.655	VV	1058	11352	0.11%	0.006%
43	5.676	5.655	5.735	VV	131	3255	0.03%	0.002%
44	5.768	5.735	5.794	VV	154	2464	0.02%	0.001%
45	5.819	5.794	5.838	PV	1056	11077	0.11%	0.006%
46	5.856	5.838	5.900	VV	1149	12684	0.12%	0.007%
47	5.927	5.900	5.994	VV	422	7964	0.08%	0.004%
48	6.010	5.994	6.028	VV	111	1594	0.02%	0.001%
49	6.055	6.028	6.115	VV	838	12615	0.12%	0.007%
50	6.118	6.115	6.135	VV	93	680	0.01%	0.000%
51	6.141	6.135	6.187	VV	86	1970	0.02%	0.001%
52	6.199	6.187	6.225	VV	113	1615	0.02%	0.001%
53	6.238	6.225	6.268	VV	488	5955	0.06%	0.003%
54	6.282	6.268	6.311	VV	150	2459	0.02%	0.001%
55	6.329	6.311	6.346	PV	220	2233	0.02%	0.001%
56	6.393	6.346	6.430	VV	461321	4313749	41.90%	2.253%
57	6.445	6.430	6.479	VV	424	6522	0.06%	0.003%
58	6.499	6.479	6.540	VV	306	6895	0.07%	0.004%
59	6.564	6.540	6.607	VV	335	7004	0.07%	0.004%
60	6.650	6.607	6.668	VV	156	4371	0.04%	0.002%
61	6.694	6.668	6.704	VV	558	6993	0.07%	0.004%
62	6.716	6.704	6.735	VV	812	9027	0.09%	0.005%

63	6.744	6.735	6.765	VV	274	3011	0.03%	0.002%
64	6.783	6.765	6.818	VV	156	2889	0.03%	0.002%
65	6.856	6.818	6.896	VV	369040	3700129	35.94%	1.933%
66	6.932	6.896	6.981	VV	1069	15160	0.15%	0.008%
67	7.008	6.981	7.075	VV	227	4894	0.05%	0.003%
68	7.083	7.075	7.094	VV	112	706	0.01%	0.000%
69	7.105	7.094	7.118	VV	123	866	0.01%	0.000%
70	7.146	7.118	7.166	VV	218	3226	0.03%	0.002%
71	7.183	7.166	7.218	VV	132	2473	0.02%	0.001%
72	7.225	7.218	7.249	VV	88	1213	0.01%	0.001%
73	7.277	7.249	7.311	VV	294	4328	0.04%	0.002%
74	7.336	7.311	7.372	PV	4475	42783	0.42%	0.022%
75	7.398	7.372	7.441	VV	8843	88052	0.86%	0.046%
76	7.495	7.441	7.525	VV	433627	4173637	40.53%	2.180%
77	7.542	7.525	7.615	VV	558	12253	0.12%	0.006%
78	7.634	7.615	7.670	VV	1570	22730	0.22%	0.012%
79	7.694	7.670	7.709	VV	1726	22293	0.22%	0.012%
80	7.719	7.709	7.747	VV	911	11306	0.11%	0.006%
81	7.771	7.747	7.787	VV	750	9562	0.09%	0.005%
82	7.806	7.787	7.827	VV	1119	12522	0.12%	0.007%
83	7.869	7.827	7.888	VV	349	8275	0.08%	0.004%
84	7.898	7.888	7.914	VV	305	3036	0.03%	0.002%
85	7.929	7.914	7.945	VV	192	2408	0.02%	0.001%
86	7.985	7.945	8.015	VV	514	8244	0.08%	0.004%
87	8.033	8.015	8.072	VV	231	4731	0.05%	0.002%
88	8.238	8.198	8.252	VV	569	10846	0.11%	0.006%
89	8.270	8.252	8.295	VV	1053	12645	0.12%	0.007%
90	8.308	8.295	8.361	VV	201	5121	0.05%	0.003%
91	8.385	8.361	8.414	VV	980	12541	0.12%	0.007%
92	8.443	8.414	8.501	VV	609	11200	0.11%	0.006%
93	8.522	8.501	8.530	VV	136	1402	0.01%	0.001%
94	8.555	8.530	8.566	VV	237	3287	0.03%	0.002%
95	8.596	8.566	8.629	VV	304	8768	0.09%	0.005%
96	8.697	8.629	8.741	VV	373052	3966443	38.52%	2.072%
97	8.755	8.741	8.768	VV	342	3873	0.04%	0.002%
98	8.807	8.768	8.861	VV	489884	4701408	45.66%	2.456%
99	8.879	8.861	8.899	VV	394	5667	0.06%	0.003%
100	8.927	8.899	8.951	VV	317	5622	0.05%	0.003%
101	9.109	9.074	9.152	VV	482495	4797594	46.59%	2.506%

102	9.169	9.152	9.195	VV	518	7546	0.07%	0.004%
103	9.200	9.195	9.218	VV	215	2249	0.02%	0.001%
104	9.234	9.218	9.258	VV	242	3542	0.03%	0.002%
105	9.319	9.258	9.347	VV	300	7693	0.07%	0.004%
106	9.382	9.347	9.400	VV	898	10991	0.11%	0.006%
107	9.423	9.400	9.460	VV	717	14900	0.14%	0.008%
108	9.473	9.460	9.495	VV	261	2801	0.03%	0.001%
109	9.526	9.495	9.555	VV	670	8327	0.08%	0.004%
110	9.575	9.555	9.638	VV	153	3720	0.04%	0.002%
111	9.647	9.638	9.695	PV	121	1716	0.02%	0.001%
112	9.716	9.695	9.741	VV	164	3109	0.03%	0.002%
113	9.767	9.741	9.814	VV	149	4522	0.04%	0.002%
114	9.827	9.814	9.844	VV	201	2579	0.03%	0.001%
115	9.858	9.844	9.867	VV	257	2565	0.02%	0.001%
116	9.903	9.867	9.933	VV	503982	5107036	49.60%	2.668%
117	9.949	9.933	9.980	VV	500	8809	0.09%	0.005%
118	9.995	9.980	10.020	VV	247	4713	0.05%	0.002%
119	10.052	10.020	10.065	VV	472	8391	0.08%	0.004%
120	10.089	10.065	10.097	VV	1517	22011	0.21%	0.011%
121	10.116	10.097	10.139	VV	7477	80057	0.78%	0.042%
122	10.180	10.139	10.229	VV	23267	252378	2.45%	0.132%
123	10.247	10.229	10.270	VV	528	6931	0.07%	0.004%
124	10.315	10.270	10.378	VV	410763	4442166	43.14%	2.320%
125	10.400	10.378	10.443	VV	461	7696	0.07%	0.004%
126	10.453	10.443	10.485	VV	90	1536	0.01%	0.001%
127	10.512	10.485	10.528	VV	78	1228	0.01%	0.001%
128	10.536	10.528	10.573	VV	107	2022	0.02%	0.001%
129	10.593	10.573	10.626	VV	445	4603	0.04%	0.002%
130	10.658	10.626	10.688	VV	866	10154	0.10%	0.005%
131	10.700	10.688	10.718	VV	145	1429	0.01%	0.001%
132	10.735	10.718	10.745	VV	227	2524	0.02%	0.001%
133	10.753	10.745	10.806	VV	202	3783	0.04%	0.002%
134	10.830	10.806	10.857	PV	116	2100	0.02%	0.001%
135	10.880	10.857	10.892	VV	102	1489	0.01%	0.001%
136	10.956	10.892	10.998	VV	299	8986	0.09%	0.005%
137	11.012	10.998	11.037	VV	340	4839	0.05%	0.003%
138	11.049	11.037	11.078	VV	230	3624	0.04%	0.002%
139	11.116	11.078	11.142	VV	4665	58251	0.57%	0.030%
140	11.159	11.142	11.185	VV	403	6311	0.06%	0.003%

141	11.195	11.185	11.228	VV	117	1676	0.02%	0.001%
142	11.320	11.228	11.357	PV	497187	5409110	52.53%	2.826%
143	11.396	11.357	11.451	VV	504800	5424792	52.69%	2.834%
144	11.469	11.451	11.501	VV	708	9705	0.09%	0.005%
145	11.510	11.501	11.540	VV	131	2530	0.02%	0.001%
146	11.568	11.540	11.582	VV	1109	13691	0.13%	0.007%
147	11.599	11.582	11.641	VV	2468	27421	0.27%	0.014%
148	11.654	11.641	11.676	VV	131	2094	0.02%	0.001%
149	11.696	11.676	11.718	VV	324	4443	0.04%	0.002%
150	11.769	11.718	11.805	VV	413490	4690454	45.55%	2.450%
151	11.823	11.805	11.909	VV	337	10564	0.10%	0.006%
152	11.930	11.909	11.948	VV	172	2725	0.03%	0.001%
153	11.964	11.948	12.015	VV	192	3221	0.03%	0.002%
154	12.092	12.015	12.141	PV	378676	4153242	40.34%	2.170%
155	12.186	12.141	12.202	VV	473	9090	0.09%	0.005%
156	12.220	12.202	12.242	VV	894	12332	0.12%	0.006%
157	12.270	12.242	12.288	VV	448	10582	0.10%	0.006%
158	12.300	12.288	12.341	VV	387	6566	0.06%	0.003%
159	12.373	12.341	12.405	VV	237	4874	0.05%	0.003%
160	12.438	12.405	12.462	VV	346	7183	0.07%	0.004%
161	12.493	12.462	12.515	VV	327	7472	0.07%	0.004%
162	12.533	12.515	12.581	VV	375	6425	0.06%	0.003%
163	12.688	12.581	12.798	VV	36017	512898	4.98%	0.268%
164	12.804	12.798	12.843	VV	991	21291	0.21%	0.011%
165	12.908	12.843	12.941	VV	1516	46931	0.46%	0.025%
166	12.960	12.941	12.991	VV	872	16166	0.16%	0.008%
167	13.026	12.991	13.048	VV	591	14352	0.14%	0.007%
168	13.088	13.048	13.118	VV	425782	4945501	48.03%	2.583%
169	13.154	13.118	13.210	VV	490219	5539055	53.80%	2.893%
170	13.229	13.210	13.295	VV	1006	20641	0.20%	0.011%
171	13.336	13.295	13.370	VV	4661	55808	0.54%	0.029%
172	13.383	13.370	13.401	VV	161	2300	0.02%	0.001%
173	13.456	13.401	13.483	VV	489697	5544549	53.85%	2.896%
174	13.535	13.483	13.604	VV	298169	3405538	33.07%	1.779%
175	13.645	13.604	13.664	VV	379	9368	0.09%	0.005%
176	13.704	13.664	13.740	VV	404012	4778700	46.41%	2.496%
177	13.747	13.740	13.763	VV	222	2774	0.03%	0.001%
178	13.897	13.763	13.916	VV	1206	61060	0.59%	0.032%
179	13.934	13.916	14.022	VV	6892	135452	1.32%	0.071%
180	14.030	14.022	14.068	VV	776	19645	0.19%	0.010%

181	14.082	14.068	14.113	VV	1003	19831	0.19%	0.010%
182	14.133	14.113	14.191	VV	1112	28614	0.28%	0.015%
183	14.244	14.191	14.257	VV	1387	26991	0.26%	0.014%
184	14.294	14.257	14.374	VV	389043	4784063	46.46%	2.499%
185	14.389	14.374	14.408	VV	181	3358	0.03%	0.002%
186	14.427	14.408	14.444	VV	253	4311	0.04%	0.002%
187	14.466	14.444	14.505	VV	943	15270	0.15%	0.008%
188	14.526	14.505	14.548	VV	304	5400	0.05%	0.003%
189	14.554	14.548	14.575	VV	136	1929	0.02%	0.001%
190	14.580	14.575	14.617	VV	118	2566	0.02%	0.001%
191	14.628	14.617	14.642	VV	189	2101	0.02%	0.001%
192	14.685	14.642	14.711	VV	800	14308	0.14%	0.007%
193	14.733	14.711	14.821	VV	2238	34772	0.34%	0.018%
194	14.860	14.821	14.894	VV	2313	38804	0.38%	0.020%
195	14.918	14.894	14.943	VV	1070	15717	0.15%	0.008%
196	14.963	14.943	14.998	VV	327	7249	0.07%	0.004%
197	15.018	14.998	15.041	VV	197	3355	0.03%	0.002%
198	15.081	15.041	15.111	PV	715	11333	0.11%	0.006%
199	15.136	15.111	15.145	VV	118	1828	0.02%	0.001%
200	15.152	15.145	15.162	VV	97	715	0.01%	0.000%
201	15.172	15.162	15.180	VV	62	531	0.01%	0.000%
202	15.207	15.180	15.228	VV	228	3587	0.03%	0.002%
203	15.243	15.228	15.301	VV	430	8192	0.08%	0.004%
204	15.347	15.301	15.367	VV	414909	5517347	53.58%	2.882%
205	15.395	15.367	15.525	VV	661193	10296551	100.00%	5.379%
206	15.575	15.525	15.598	VV	346	6651	0.06%	0.003%
207	15.603	15.598	15.657	VV	171	3081	0.03%	0.002%
208	15.699	15.657	15.719	PV	182	3188	0.03%	0.002%
209	15.779	15.719	15.890	VV	17363	261855	2.54%	0.137%
210	15.925	15.890	15.968	VV	3697	52388	0.51%	0.027%
211	16.005	15.968	16.035	VV	433	10214	0.10%	0.005%
212	16.052	16.035	16.106	VV	344	6323	0.06%	0.003%
213	16.148	16.106	16.217	PV	435	10065	0.10%	0.005%
214	16.256	16.217	16.275	VV	448	7559	0.07%	0.004%
215	16.303	16.275	16.335	VV	661	11498	0.11%	0.006%
216	16.434	16.335	16.478	VV	355314	4734311	45.98%	2.473%
217	16.496	16.478	16.511	VV	149	2117	0.02%	0.001%
218	16.525	16.511	16.554	VV	98	1347	0.01%	0.001%
219	16.579	16.554	16.587	PV	96	1047	0.01%	0.001%

220	16.636	16.587	16.668	PV	604	10330	0.10%	0.005%
221	16.741	16.668	16.758	VV	282	6668	0.06%	0.003%
222	16.799	16.758	16.845	VV	1716	30753	0.30%	0.016%
223	16.914	16.845	16.930	VV	378916	5408751	52.53%	2.825%
224	16.950	16.930	16.979	VV	444582	5264851	51.13%	2.750%
225	17.045	16.979	17.128	VV	20682	281510	2.73%	0.147%
226	17.159	17.128	17.202	VV	2956	45331	0.44%	0.024%
227	17.222	17.202	17.248	VV	367	5654	0.05%	0.003%
228	17.298	17.248	17.329	VV	386494	5110065	49.63%	2.669%
229	17.387	17.329	17.424	VV	350507	4636864	45.03%	2.422%
230	17.438	17.424	17.525	VV	610	11902	0.12%	0.006%
231	17.672	17.525	17.700	PV	210	8078	0.08%	0.004%
232	17.748	17.700	17.797	PV	775	16178	0.16%	0.008%
233	17.838	17.797	17.901	VV	3677	54304	0.53%	0.028%
234	17.924	17.901	17.938	PV	204	2711	0.03%	0.001%
235	17.956	17.938	17.969	VV	143	1972	0.02%	0.001%
236	18.006	17.969	18.054	VV	336	8525	0.08%	0.004%
237	18.066	18.054	18.085	PV	138	1406	0.01%	0.001%
238	18.169	18.085	18.215	PV	3753	63603	0.62%	0.033%
239	18.281	18.215	18.318	VV	327273	4571022	44.39%	2.388%
240	18.330	18.318	18.345	VV	429	5309	0.05%	0.003%
241	18.367	18.345	18.391	VV	488	7871	0.08%	0.004%
242	18.452	18.391	18.501	VV	597	14188	0.14%	0.007%
243	18.523	18.501	18.531	PV	186	1799	0.02%	0.001%
244	18.557	18.531	18.568	VV	186	3084	0.03%	0.002%
245	18.677	18.568	18.693	VV	361868	5365326	52.11%	2.803%
246	18.716	18.693	18.770	VV	365466	4917308	47.76%	2.569%
247	18.794	18.770	18.816	VV	1028	15659	0.15%	0.008%
248	18.829	18.816	18.871	VV	397	7753	0.08%	0.004%
249	18.936	18.871	18.986	VV	331070	4686393	45.51%	2.448%
250	19.058	18.986	19.070	VV	690	23898	0.23%	0.012%
251	19.117	19.070	19.167	VV	322795	4435193	43.07%	2.317%
252	19.230	19.167	19.257	VV	1501	51380	0.50%	0.027%
253	19.277	19.257	19.314	VV	974	26067	0.25%	0.014%
254	19.392	19.314	19.424	VV	1115	52437	0.51%	0.027%
255	19.468	19.424	19.496	VV	9505	187734	1.82%	0.098%
256	19.516	19.496	19.558	VV	4963	109690	1.07%	0.057%
257	19.637	19.558	19.654	VV	1551	83846	0.81%	0.044%
258	19.715	19.654	19.737	VV	2753	92489	0.90%	0.048%

259	19.903	19.737	19.944	VV	318778	4682297	45.47%	2.446%
260	20.005	19.944	20.038	VV	3570	165378	1.61%	0.086%
261	20.061	20.038	20.085	VV	3052	79225	0.77%	0.041%
262	20.182	20.085	20.221	VV	3349	248930	2.42%	0.130%
263	20.248	20.221	20.260	VV	4755	97225	0.94%	0.051%
264	20.275	20.260	20.301	VV	5195	107835	1.05%	0.056%
265	20.326	20.301	20.346	VV	3942	103877	1.01%	0.054%
266	20.433	20.346	20.456	VV	6337	289073	2.81%	0.151%
267	20.540	20.456	20.581	VV	6766	404657	3.93%	0.211%
268	20.647	20.581	20.687	VV	289118	4473634	43.45%	2.337%
269	20.811	20.687	20.849	VV	11457	705257	6.85%	0.368%
270	20.934	20.849	20.946	VV	6456	368013	3.57%	0.192%
271	21.014	20.946	21.045	VV	7496	404254	3.93%	0.211%
272	21.071	21.045	21.115	VV	6940	276751	2.69%	0.145%
273	21.125	21.115	21.185	VV	6425	262762	2.55%	0.137%
274	21.198	21.185	21.305	VV	6093	399937	3.88%	0.209%
275	21.334	21.305	21.371	VV	5282	202451	1.97%	0.106%
276	21.435	21.371	21.508	VV	222162	4379604	42.53%	2.288%
277	21.534	21.508	21.588	VV	4557	205833	2.00%	0.108%
278	21.604	21.588	21.727	VV	3977	304097	2.95%	0.159%
279	21.763	21.727	21.828	VV	3421	197411	1.92%	0.103%
280	21.865	21.828	21.951	VV	3512	227872	2.21%	0.119%
281	21.960	21.951	22.005	VV	2477	76367	0.74%	0.040%
282	22.021	22.005	22.075	VV	2220	87178	0.85%	0.046%
283	22.105	22.075	22.161	VV	1918	92884	0.90%	0.049%
284	22.188	22.161	22.261	VV	1744	92477	0.90%	0.048%
285	22.278	22.261	22.345	VV	1352	57282	0.56%	0.030%
286	22.353	22.345	22.357	VV	915	6476	0.06%	0.003%
287	22.437	22.357	22.539	VV	153655	3865016	37.54%	2.019%
288	22.547	22.539	22.588	VV	311	5329	0.05%	0.003%

Sum of corrected areas: 191431436

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:		
Project:	1710 N4 Ave		Date Received:		
Client Sample ID:	MH-E/FMSD		SDG No.:	Q2431	
Lab Sample ID:	Q2430-01MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.2	
Sample Wt/Vol:	30.04	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 18:35	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	38.3		1	1.34	2.26	mg/kg	FG016161.D
Aliphatic C9-C28	Aliphatic C9-C28	89.1		1	1.03	4.53	mg/kg	FG016161.D
Total AliphaticEPH	Total AliphaticEPH	127			2.37	6.79	mg/kg	
Total EPH	Total EPH	127			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:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	MH-E/FMSD	SDG No.:	Q2431
Lab Sample ID:	Q2430-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016161.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	89.1		1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	38.3		1.34	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.9		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.5		40 - 140	63%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2430-01MSD	Acq On:	27 Jun 2025 18:35
Client Sample ID:	MH-E/FMSD	Operator:	YP\AJ
Data file:	FG016161.D	Misc:	
Instrument:	FID_G	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.316	6.955	23296892	213.081	300	ug/ml
Aliphatic C12-C16	6.956	10.413	27368122	244.741	200	ug/ml
Aliphatic C16-C21	10.414	13.802	36491384	318.759	300	ug/ml
Aliphatic C21-C28	13.803	17.485	46014504	402.259	400	ug/ml
Aliphatic C28-C40	17.486	22.536	46659241	507.189	600	ug/ml
Aliphatic EPH	3.316	22.536	179830143	1690		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	4059736	31.46		ug/ml
1-chlorooctadecane (SURR)	13.536	13.536	3319291	32.94		ug/ml
Aliphatic C9-C28	3.316	17.485	133170902	1180	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
 Data File : FG016161.D
 Signal(s) : FID1A.ch
 Acq On : 27 Jun 2025 18:35
 Operator : YP\AJ
 Sample : Q2430-01MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 MH-E/FMSD

Integration File: autoint1.e
 Quant Time: Jun 28 04:32:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 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)	12.092	4059736	31.465 ug/ml
Spiked Amount 50.000		Recovery =	62.93%
12) S 1-chlorooctadecane (S...	13.536	3319291	32.941 ug/ml
Spiked Amount 50.000		Recovery =	65.88%
Target Compounds			
1) T n-Nonane (C9)	3.419	3054405	28.230 ug/ml
2) T n-Decane (C10)	4.678	3383398	30.844 ug/ml
3) T A~Naphthalene (C11.7)	6.393	4203618	35.182 ug/ml
4) T n-Dodecane (C12)	6.856	3608154	32.768 ug/ml
5) T A~2-methylnaphthalene...	7.495	4070110	34.994 ug/ml
6) T n-Tetradecane (C14)	8.697	3856326	35.115 ug/ml
7) T n-Hexadecane (C16)	10.315	4336700	38.098 ug/ml
8) T n-Octadecane (C18)	11.769	4581506	39.355 ug/ml
10) T n-Eicosane (C20)	13.089	4825392	42.398 ug/ml
11) T n-Heneicosane (C21)	13.704	4669395	41.244 ug/ml
13) T n-Docosane (C22)	14.295	4666068	41.045 ug/ml
14) T n-Tetracosane (C24)	15.395	10085958	87.467 ug/ml
15) T n-Hexacosane (C26)	16.434	4625995	40.199 ug/ml
16) T n-Octacosane (C28)	17.387	4523940	39.862 ug/ml
17) T n-Tricontane (C30)	18.281	4472075	39.061 ug/ml
18) T n-Dotriacontane (C32)	19.116	4324519	39.664 ug/ml
19) T n-Tetratriacontane (C34)	19.904	4368605	44.157 ug/ml
20) T n-Hexatriacontane (C36)	20.647	4056669	47.793 ug/ml
21) T n-Octatriacontane (C38)	21.436	3946023	52.271 ug/ml
22) T n-Tetracontane (C40)	22.437	3744289	54.148 ug/ml

(f)=RT Delta > 1/2 Window

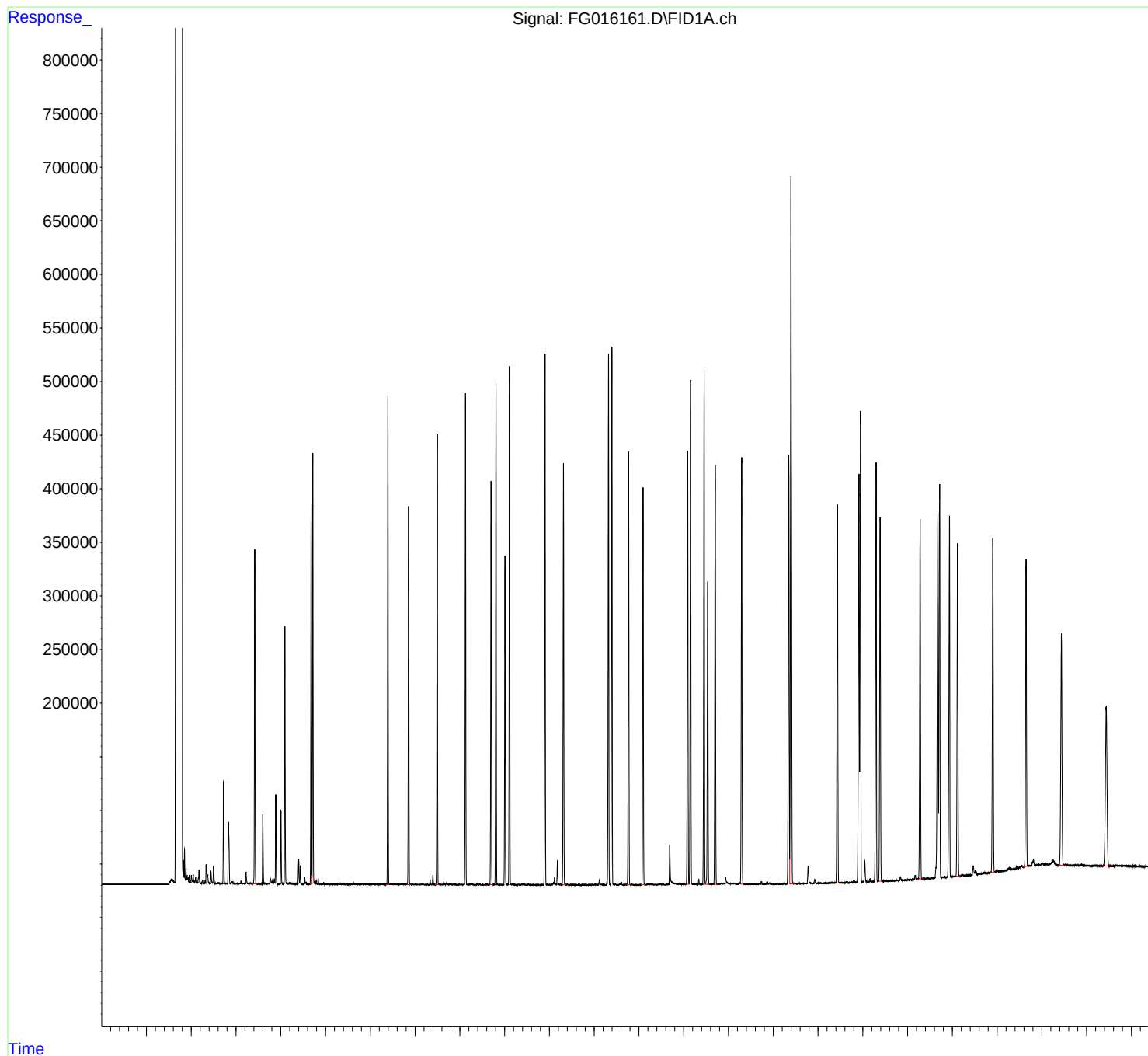
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016161.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 18:35
Operator : YP\AJ
Sample : Q2430-01MSD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
MH-E/FMSD

Integration File: autoint1.e
Quant Time: Jun 28 04:32:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\

Data File : FG016161.D

Signal(s) : FID1A.ch

Acq On : 27 Jun 2025 18:35

Sample : Q2430-01MSD

Misc :

ALS Vial : 31 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.279	3.222	3.298	BV	-1718	-84048	-0.83%	-0.045%
2	3.315	3.298	3.342	PV	462	4706	0.05%	0.003%
3	3.365	3.342	3.377	PV	145	1189	0.01%	0.001%
4	3.419	3.377	3.483	PV	311695	3061825	30.34%	1.636%
5	3.498	3.483	3.512	VV	261	2666	0.03%	0.001%
6	3.521	3.512	3.541	VV	263	3665	0.04%	0.002%
7	3.560	3.541	3.578	VV	566	8244	0.08%	0.004%
8	3.599	3.578	3.652	VV	65119	600090	5.95%	0.321%
9	3.664	3.652	3.685	VV	227	2833	0.03%	0.002%
10	3.706	3.685	3.728	VV	508	7386	0.07%	0.004%
11	3.735	3.728	3.742	VV	257	1662	0.02%	0.001%
12	3.763	3.742	3.795	VV	4772	75950	0.75%	0.041%
13	3.811	3.795	3.828	VV	3964	41510	0.41%	0.022%
14	3.855	3.828	3.868	VV	4373	55867	0.55%	0.030%
15	3.888	3.868	3.939	VV	83096	753478	7.47%	0.403%
16	3.950	3.939	3.977	PV	52	872	0.01%	0.000%
17	4.005	3.977	4.058	VV	67867	611884	6.06%	0.327%
18	4.092	4.058	4.172	VV	238968	2176122	21.56%	1.163%
19	4.197	4.172	4.243	VV	1235	26628	0.26%	0.014%
20	4.252	4.243	4.278	VV	401	5710	0.06%	0.003%
21	4.287	4.278	4.301	VV	236	2537	0.03%	0.001%
22	4.328	4.301	4.365	VV	282	8393	0.08%	0.004%
23	4.401	4.365	4.421	VV	22792	265444	2.63%	0.142%

24	4.436	4.421	4.508	VV	16986	161900	1.60%	0.087%
25	4.535	4.508	4.552	VV	6470	59279	0.59%	0.032%
26	4.561	4.552	4.645	VV	1765	19699	0.20%	0.011%
27	4.678	4.645	4.697	VV	352769	3386224	33.56%	1.809%
28	4.716	4.697	4.770	VV	400571	3829026	37.94%	2.046%
29	4.790	4.770	4.813	VV	3193	33937	0.34%	0.018%
30	4.835	4.813	4.882	VV	5372	54181	0.54%	0.029%
31	4.896	4.882	4.915	VV	128	2079	0.02%	0.001%
32	4.922	4.915	4.932	VV	115	850	0.01%	0.000%
33	4.957	4.932	4.980	VV	1430	13711	0.14%	0.007%
34	4.993	4.980	5.015	VV	159	2162	0.02%	0.001%
35	5.041	5.015	5.066	VV	200	3116	0.03%	0.002%
36	5.075	5.066	5.082	VV	73	556	0.01%	0.000%
37	5.090	5.082	5.112	VV	115	1327	0.01%	0.001%
38	5.138	5.112	5.168	VV	121	2492	0.02%	0.001%
39	5.192	5.168	5.215	VV	135	2474	0.02%	0.001%
40	5.231	5.215	5.248	VV	99	1515	0.02%	0.001%
41	5.263	5.248	5.292	VV	115	2307	0.02%	0.001%
42	5.308	5.292	5.326	VV	752	7780	0.08%	0.004%
43	5.342	5.326	5.372	VV	287	5434	0.05%	0.003%
44	5.394	5.372	5.452	VV	231	5120	0.05%	0.003%
45	5.466	5.452	5.492	VV	102	1910	0.02%	0.001%
46	5.504	5.492	5.548	VV	213	2794	0.03%	0.001%
47	5.582	5.548	5.602	VV	214	3921	0.04%	0.002%
48	5.625	5.602	5.668	VV	1112	12181	0.12%	0.007%
49	5.680	5.668	5.692	VV	124	1280	0.01%	0.001%
50	5.704	5.692	5.750	VV	119	1817	0.02%	0.001%
51	5.767	5.750	5.795	VV	186	2275	0.02%	0.001%
52	5.819	5.795	5.838	PV	1049	11082	0.11%	0.006%
53	5.855	5.838	5.895	VV	1110	12991	0.13%	0.007%
54	5.926	5.895	5.985	VV	445	9061	0.09%	0.005%
55	5.993	5.985	6.024	VV	90	2328	0.02%	0.001%
56	6.055	6.024	6.093	VV	756	12546	0.12%	0.007%
57	6.120	6.093	6.143	VV	126	2204	0.02%	0.001%
58	6.155	6.143	6.182	VV	97	1875	0.02%	0.001%
59	6.201	6.182	6.219	VV	175	2489	0.02%	0.001%
60	6.237	6.219	6.273	VV	618	8894	0.09%	0.005%
61	6.279	6.273	6.313	VV	203	2300	0.02%	0.001%
62	6.328	6.313	6.352	PV	218	3024	0.03%	0.002%

63	6.393	6.352	6.430	VV	451860	4212231	41.74%	2.251%
64	6.443	6.430	6.478	VV	467	6933	0.07%	0.004%
65	6.498	6.478	6.530	VV	364	6953	0.07%	0.004%
66	6.568	6.530	6.614	VV	338	9554	0.09%	0.005%
67	6.648	6.614	6.669	VV	215	5507	0.05%	0.003%
68	6.694	6.669	6.704	VV	633	8049	0.08%	0.004%
69	6.717	6.704	6.768	VV	791	12860	0.13%	0.007%
70	6.786	6.768	6.820	VV	168	4159	0.04%	0.002%
71	6.856	6.820	6.896	VV	354837	3611376	35.79%	1.930%
72	6.932	6.896	6.988	VV	1073	15174	0.15%	0.008%
73	7.010	6.988	7.055	VV	268	5623	0.06%	0.003%
74	7.063	7.055	7.072	VV	80	780	0.01%	0.000%
75	7.081	7.072	7.112	VV	121	1994	0.02%	0.001%
76	7.145	7.112	7.218	VV	292	8111	0.08%	0.004%
77	7.277	7.218	7.302	VV	320	6193	0.06%	0.003%
78	7.336	7.302	7.369	VV	4382	41612	0.41%	0.022%
79	7.398	7.369	7.448	VV	8696	87185	0.86%	0.047%
80	7.495	7.448	7.525	PV	419932	4074023	40.37%	2.177%
81	7.539	7.525	7.572	VV	587	9908	0.10%	0.005%
82	7.577	7.572	7.595	VV	171	2118	0.02%	0.001%
83	7.601	7.595	7.614	VV	142	1503	0.01%	0.001%
84	7.634	7.614	7.675	VV	1574	22601	0.22%	0.012%
85	7.694	7.675	7.710	VV	1657	20698	0.21%	0.011%
86	7.719	7.710	7.744	VV	882	10030	0.10%	0.005%
87	7.772	7.744	7.787	VV	796	9930	0.10%	0.005%
88	7.806	7.787	7.828	VV	1152	13041	0.13%	0.007%
89	7.868	7.828	7.885	VV	357	7952	0.08%	0.004%
90	7.899	7.885	7.916	VV	250	3061	0.03%	0.002%
91	7.929	7.916	7.943	VV	169	1603	0.02%	0.001%
92	7.955	7.943	7.968	VV	140	1393	0.01%	0.001%
93	7.985	7.968	8.014	VV	480	6016	0.06%	0.003%
94	8.037	8.014	8.074	VV	284	4950	0.05%	0.003%
95	8.238	8.197	8.255	VV	593	11735	0.12%	0.006%
96	8.269	8.255	8.362	VV	1027	17031	0.17%	0.009%
97	8.386	8.362	8.414	VV	982	12281	0.12%	0.007%
98	8.443	8.414	8.507	VV	640	11922	0.12%	0.006%
99	8.520	8.507	8.541	VV	161	2332	0.02%	0.001%
100	8.555	8.541	8.565	VV	215	2098	0.02%	0.001%
101	8.603	8.565	8.642	VV	328	9949	0.10%	0.005%

102	8.697	8.642	8.738	VV	377500	3868536	38.34%	2.067%
103	8.754	8.738	8.770	VV	281	4177	0.04%	0.002%
104	8.807	8.770	8.859	VV	465078	4589516	45.48%	2.452%
105	8.880	8.859	8.901	VV	409	6099	0.06%	0.003%
106	8.925	8.901	8.964	VV	293	6123	0.06%	0.003%
107	9.049	9.039	9.055	VV	387	3312	0.03%	0.002%
108	9.062	9.055	9.074	VV	418	3624	0.04%	0.002%
109	9.110	9.074	9.149	VV	474465	4686968	46.45%	2.504%
110	9.169	9.149	9.218	VV	555	10567	0.10%	0.006%
111	9.233	9.218	9.268	VV	236	3769	0.04%	0.002%
112	9.318	9.268	9.355	VV	261	7061	0.07%	0.004%
113	9.382	9.355	9.399	VV	948	10857	0.11%	0.006%
114	9.424	9.399	9.461	VV	713	15821	0.16%	0.008%
115	9.472	9.461	9.493	VV	231	2512	0.02%	0.001%
116	9.527	9.493	9.572	VV	644	9766	0.10%	0.005%
117	9.585	9.572	9.614	VV	155	2177	0.02%	0.001%
118	9.629	9.614	9.681	VV	87	2361	0.02%	0.001%
119	9.722	9.681	9.755	PV	189	4972	0.05%	0.003%
120	9.790	9.755	9.802	VV	173	3756	0.04%	0.002%
121	9.831	9.802	9.846	VV	189	3284	0.03%	0.002%
122	9.859	9.846	9.867	VV	258	2140	0.02%	0.001%
123	9.903	9.867	9.934	VV	489870	4994492	49.49%	2.669%
124	9.950	9.934	9.980	VV	465	7795	0.08%	0.004%
125	9.994	9.980	10.035	VV	219	5593	0.06%	0.003%
126	10.050	10.035	10.061	VV	490	5802	0.06%	0.003%
127	10.089	10.061	10.098	VV	1490	22179	0.22%	0.012%
128	10.116	10.098	10.140	VV	7071	77882	0.77%	0.042%
129	10.180	10.140	10.227	VV	22509	245561	2.43%	0.131%
130	10.247	10.227	10.270	VV	485	6744	0.07%	0.004%
131	10.315	10.270	10.378	VV	392179	4339410	43.00%	2.319%
132	10.400	10.378	10.436	VV	504	7593	0.08%	0.004%
133	10.465	10.436	10.473	VV	123	1902	0.02%	0.001%
134	10.491	10.473	10.515	VV	108	1509	0.01%	0.001%
135	10.539	10.515	10.565	VV	137	2158	0.02%	0.001%
136	10.593	10.565	10.613	VV	425	4834	0.05%	0.003%
137	10.659	10.613	10.692	PV	855	10135	0.10%	0.005%
138	10.700	10.692	10.714	VV	125	1046	0.01%	0.001%
139	10.735	10.714	10.744	VV	178	2239	0.02%	0.001%
140	10.756	10.744	10.814	VV	218	4217	0.04%	0.002%

141	10.830	10.814	10.862	PV	172	2031	0.02%	0.001%
142	10.884	10.862	10.910	VV	124	2002	0.02%	0.001%
143	10.958	10.910	10.992	VV	306	7907	0.08%	0.004%
144	11.012	10.992	11.031	VV	387	5222	0.05%	0.003%
145	11.055	11.031	11.077	VV	309	4536	0.04%	0.002%
146	11.117	11.077	11.141	VV	4513	56916	0.56%	0.030%
147	11.157	11.141	11.188	VV	387	6721	0.07%	0.004%
148	11.195	11.188	11.221	VV	175	1840	0.02%	0.001%
149	11.250	11.221	11.260	VV	178	2733	0.03%	0.001%
150	11.321	11.260	11.357	VV	499931	5289550	52.42%	2.826%
151	11.396	11.357	11.452	VV	499154	5308496	52.60%	2.837%
152	11.469	11.452	11.542	VV	704	12612	0.12%	0.007%
153	11.569	11.542	11.585	VV	1120	13714	0.14%	0.007%
154	11.600	11.585	11.675	VV	2360	28367	0.28%	0.015%
155	11.695	11.675	11.715	VV	304	3922	0.04%	0.002%
156	11.769	11.715	11.804	VV	401708	4586783	45.45%	2.451%
157	11.822	11.804	11.832	VV	322	4229	0.04%	0.002%
158	11.843	11.832	11.904	VV	369	6526	0.06%	0.003%
159	11.926	11.904	11.944	VV	137	2273	0.02%	0.001%
160	11.964	11.944	11.993	VV	170	2439	0.02%	0.001%
161	12.092	11.993	12.145	PV	372126	4065213	40.28%	2.172%
162	12.187	12.145	12.205	VV	420	8890	0.09%	0.005%
163	12.220	12.205	12.245	VV	829	12164	0.12%	0.006%
164	12.270	12.245	12.287	VV	474	9817	0.10%	0.005%
165	12.300	12.287	12.332	VV	353	5774	0.06%	0.003%
166	12.376	12.332	12.403	VV	201	4667	0.05%	0.002%
167	12.439	12.403	12.459	VV	361	6173	0.06%	0.003%
168	12.480	12.459	12.514	VV	393	8174	0.08%	0.004%
169	12.533	12.514	12.578	VV	366	5464	0.05%	0.003%
170	12.688	12.578	12.766	VV	36459	483682	4.79%	0.258%
171	12.777	12.766	12.865	VV	1307	51612	0.51%	0.028%
172	12.910	12.865	12.948	VV	1491	40180	0.40%	0.021%
173	12.957	12.948	12.995	VV	534	11001	0.11%	0.006%
174	13.024	12.995	13.048	VV	559	13163	0.13%	0.007%
175	13.088	13.048	13.118	VV	403269	4839563	47.96%	2.586%
176	13.154	13.118	13.207	VV	473061	5425277	53.76%	2.899%
177	13.229	13.207	13.268	VV	968	17079	0.17%	0.009%
178	13.277	13.268	13.295	VV	238	2726	0.03%	0.001%
179	13.337	13.295	13.375	VV	4466	53964	0.53%	0.029%
180	13.389	13.375	13.398	VV	110	981	0.01%	0.001%

181	13.456	13.398	13.484	VV	470644	5430481	53.81%	2.902%
182	13.536	13.484	13.620	VV	279526	3332142	33.02%	1.780%
183	13.650	13.620	13.668	VV	332	6694	0.07%	0.004%
184	13.704	13.668	13.761	VV	391139	4676999	46.35%	2.499%
185	13.840	13.761	13.862	VV	634	29008	0.29%	0.016%
186	13.897	13.862	13.917	VV	1167	28196	0.28%	0.015%
187	13.935	13.917	14.065	VV	6956	150770	1.49%	0.081%
188	14.083	14.065	14.103	VV	886	15684	0.16%	0.008%
189	14.135	14.103	14.185	VV	1026	28460	0.28%	0.015%
190	14.243	14.185	14.258	VV	1315	25370	0.25%	0.014%
191	14.295	14.258	14.408	VV	398397	4682018	46.40%	2.502%
192	14.424	14.408	14.444	VV	183	2789	0.03%	0.001%
193	14.468	14.444	14.505	VV	842	11284	0.11%	0.006%
194	14.524	14.505	14.566	VV	275	4618	0.05%	0.002%
195	14.574	14.566	14.609	VV	88	910	0.01%	0.000%
196	14.684	14.609	14.707	VV	600	12427	0.12%	0.007%
197	14.733	14.707	14.802	VV	2120	29717	0.29%	0.016%
198	14.862	14.802	14.893	VV	2202	35466	0.35%	0.019%
199	14.919	14.893	14.945	VV	1086	14772	0.15%	0.008%
200	14.963	14.945	15.002	VV	313	5451	0.05%	0.003%
201	15.013	15.002	15.050	VV	131	2014	0.02%	0.001%
202	15.080	15.050	15.119	PV	621	8884	0.09%	0.005%
203	15.132	15.119	15.146	PV	109	917	0.01%	0.000%
204	15.152	15.146	15.168	VV	52	419	0.00%	0.000%
205	15.199	15.168	15.221	VV	237	3423	0.03%	0.002%
206	15.243	15.221	15.298	VV	423	8204	0.08%	0.004%
207	15.347	15.298	15.367	VV	399543	5407528	53.59%	2.889%
208	15.395	15.367	15.481	VV	653990	10091378	100.00%	5.392%
209	15.491	15.481	15.553	VV	117	3170	0.03%	0.002%
210	15.575	15.553	15.598	VV	389	5382	0.05%	0.003%
211	15.603	15.598	15.627	VV	188	1840	0.02%	0.001%
212	15.640	15.627	15.671	VV	120	1742	0.02%	0.001%
213	15.702	15.671	15.719	PV	205	3331	0.03%	0.002%
214	15.735	15.719	15.743	VV	217	2083	0.02%	0.001%
215	15.780	15.743	15.875	VV	16551	254253	2.52%	0.136%
216	15.925	15.875	15.963	VV	3522	53894	0.53%	0.029%
217	16.006	15.963	16.034	VV	451	11550	0.11%	0.006%
218	16.054	16.034	16.097	VV	355	5151	0.05%	0.003%
219	16.116	16.097	16.125	PV	30	392	0.00%	0.000%

220	16.149	16.125	16.172	PV	445	6277	0.06%	0.003%
221	16.182	16.172	16.227	VV	189	3117	0.03%	0.002%
222	16.255	16.227	16.277	PV	431	6439	0.06%	0.003%
223	16.303	16.277	16.345	VV	622	11070	0.11%	0.006%
224	16.433	16.345	16.478	VV	357561	4634410	45.92%	2.476%
225	16.494	16.478	16.528	VV	144	2115	0.02%	0.001%
226	16.636	16.528	16.692	VV	567	11874	0.12%	0.006%
227	16.740	16.692	16.754	PV	309	5722	0.06%	0.003%
228	16.799	16.754	16.845	VV	1659	34462	0.34%	0.018%
229	16.914	16.845	16.930	VV	377457	5291555	52.44%	2.827%
230	16.949	16.930	16.980	VV	438001	5175563	51.29%	2.765%
231	17.045	16.980	17.124	VV	19666	275767	2.73%	0.147%
232	17.158	17.124	17.205	VV	2967	44766	0.44%	0.024%
233	17.218	17.205	17.248	VV	322	4886	0.05%	0.003%
234	17.298	17.248	17.328	VV	388883	5009021	49.64%	2.677%
235	17.387	17.328	17.425	VV	340636	4544228	45.03%	2.428%
236	17.439	17.425	17.493	VV	549	10737	0.11%	0.006%
237	17.559	17.493	17.567	VV	46	1537	0.02%	0.001%
238	17.599	17.567	17.609	PV	107	1555	0.02%	0.001%
239	17.678	17.609	17.695	VV	198	5095	0.05%	0.003%
240	17.749	17.695	17.793	PV	747	16201	0.16%	0.009%
241	17.837	17.793	17.885	VV	3448	51600	0.51%	0.028%
242	17.926	17.885	17.935	PV	199	2274	0.02%	0.001%
243	17.949	17.935	17.959	VV	149	1589	0.02%	0.001%
244	18.010	17.959	18.048	VV	390	9780	0.10%	0.005%
245	18.068	18.048	18.089	VV	136	2518	0.02%	0.001%
246	18.133	18.089	18.141	VV	380	5828	0.06%	0.003%
247	18.169	18.141	18.215	VV	3737	59798	0.59%	0.032%
248	18.281	18.215	18.345	VV	335830	4491274	44.51%	2.400%
249	18.368	18.345	18.388	VV	466	7083	0.07%	0.004%
250	18.452	18.388	18.498	VV	572	14415	0.14%	0.008%
251	18.560	18.498	18.578	PV	296	8600	0.09%	0.005%
252	18.677	18.578	18.693	VV	345464	5242846	51.95%	2.801%
253	18.716	18.693	18.762	VV	365511	4842236	47.98%	2.587%
254	18.795	18.762	18.815	VV	686	12850	0.13%	0.007%
255	18.833	18.815	18.862	VV	412	8611	0.09%	0.005%
256	18.936	18.862	18.990	VV	332437	4589494	45.48%	2.452%
257	19.054	18.990	19.071	VV	592	19884	0.20%	0.011%
258	19.116	19.071	19.163	VV	308385	4346125	43.07%	2.322%

259	19.230	19.163	19.258	VV	1290	44265	0.44%	0.024%
260	19.278	19.258	19.311	VV	764	19566	0.19%	0.010%
261	19.390	19.311	19.425	VV	903	41094	0.41%	0.022%
262	19.469	19.425	19.496	VV	9181	175068	1.73%	0.094%
263	19.517	19.496	19.562	VV	4606	104810	1.04%	0.056%
264	19.643	19.562	19.668	VV	1370	82775	0.82%	0.044%
265	19.715	19.668	19.735	VV	2428	68871	0.68%	0.037%
266	19.904	19.735	19.952	VV	310517	4592529	45.51%	2.454%
267	20.004	19.952	20.038	VV	3354	137197	1.36%	0.073%
268	20.061	20.038	20.089	VV	2717	76402	0.76%	0.041%
269	20.202	20.089	20.212	VV	3082	206144	2.04%	0.110%
270	20.249	20.212	20.260	VV	4605	108992	1.08%	0.058%
271	20.276	20.260	20.300	VV	4937	101531	1.01%	0.054%
272	20.328	20.300	20.349	VV	3702	104653	1.04%	0.056%
273	20.434	20.349	20.457	VV	6117	268642	2.66%	0.144%
274	20.541	20.457	20.578	VV	6396	371891	3.69%	0.199%
275	20.647	20.578	20.688	VV	290124	4404389	43.65%	2.353%
276	20.722	20.688	20.741	VV	5738	180446	1.79%	0.096%
277	20.812	20.741	20.845	VV	10805	478060	4.74%	0.255%
278	20.926	20.845	20.955	VV	6206	401892	3.98%	0.215%
279	21.017	20.955	21.048	VV	7014	358424	3.55%	0.192%
280	21.077	21.048	21.145	VV	6298	347379	3.44%	0.186%
281	21.254	21.145	21.378	VV	8910	882463	8.74%	0.472%
282	21.436	21.378	21.505	VV	217127	4270379	42.32%	2.282%
283	21.534	21.505	21.589	VV	4243	202563	2.01%	0.108%
284	21.603	21.589	21.718	VV	3709	267464	2.65%	0.143%
285	21.765	21.718	21.828	VV	3272	204728	2.03%	0.109%
286	21.863	21.828	21.875	VV	3287	85529	0.85%	0.046%
287	21.892	21.875	21.965	VV	3319	150064	1.49%	0.080%
288	21.984	21.965	22.102	VV	2244	160363	1.59%	0.086%
289	22.107	22.102	22.122	VV	1736	20848	0.21%	0.011%
290	22.197	22.122	22.292	VV	1816	155997	1.55%	0.083%
291	22.305	22.292	22.348	VV	1109	34049	0.34%	0.018%
292	22.438	22.348	22.580	VV	147926	3808581	37.74%	2.035%

Sum of corrected areas: 187148160



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:

FC063025AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC069326.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:49 AM	mohammad	7/1/2025 8:54:55	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069330.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:51 AM	mohammad	7/1/2025 8:54:55	Peak Integrated by Software
PB168656BS	FC069332.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:53 AM	mohammad	7/1/2025 8:54:55	Peak Integrated by Software
PB168656BSD	FC069333.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:55 AM	mohammad	7/1/2025 8:54:55	Peak Integrated by Software
Q2452-01MS	FC069336.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:56 AM	mohammad	7/1/2025 8:54:55	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069340.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:58 AM	mohammad	7/1/2025 8:54:55	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



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Manual Integration Report

Sequence:

FG061325AL

Instrument

FID_g

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:	FG062725AL	Instrument	FID_g
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FG016154.D	n-Hexatriacontane (C36)	yogesh	6/30/2025 7:43:33 AM	mohammad	6/30/2025 9:34:35	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 # FC063025AL

Review By	yogesh	Review On	6/30/2025 11:49:41 AM
Supervise By	mohammad	Supervise On	7/1/2025 8:54:55 AM
SubDirectory	FC063025AL	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	FC069324.D	30 Jun 2025 09:45	YP/AJ	Ok
2	I.BLK	FC069325.D	30 Jun 2025 10:29	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069326.D	30 Jun 2025 11:14	YP/AJ	Ok,M
4	Q2431-02	FC069327.D	30 Jun 2025 11:59	YP/AJ	Ok
5	Q2431-05	FC069328.D	30 Jun 2025 13:01	YP/AJ	Ok
6	I.BLK	FC069329.D	30 Jun 2025 13:49	YP/AJ	Ok
7	20 PPM ALIPHATIC HC STD	FC069330.D	30 Jun 2025 14:38	YP/AJ	Ok,M
8	PB168656BL	FC069331.D	30 Jun 2025 15:28	YP/AJ	Ok
9	PB168656BS	FC069332.D	30 Jun 2025 16:17	YP/AJ	Ok,M
10	PB168656BSD	FC069333.D	30 Jun 2025 17:09	YP/AJ	Ok,M
11	Q2452-01	FC069334.D	30 Jun 2025 18:01	YP/AJ	Ok
12	Q2452-01D	FC069335.D	30 Jun 2025 18:52	YP/AJ	Ok
13	Q2452-01MS	FC069336.D	30 Jun 2025 19:42	YP/AJ	Ok,M
14	Q2452-01MSD	FC069337.D	30 Jun 2025 20:31	YP/AJ	Ok
15	Q2452-02	FC069338.D	30 Jun 2025 21:20	YP/AJ	Ok
16	I.BLK	FC069339.D	30 Jun 2025 22:54	YP/AJ	Ok
17	20 PPM ALIPHATIC HC STD	FC069340.D	30 Jun 2025 23:40	YP/AJ	Ok,M

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_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG061325AL

Review By	yogesh	Review On	6/13/2025 12:52:17 PM
Supervise By	mohammad	Supervise On	6/17/2025 3:40:36 AM
SubDirectory	FG061325AL	HP Acquire Method	HP Processing Method FG061325AL
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	FG016069.D	13 Jun 2025 13:06	YP\AJ	Ok
2	I.BLK	FG016070.D	13 Jun 2025 13:35	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FG016071.D	13 Jun 2025 14:05	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FG016072.D	13 Jun 2025 14:34	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FG016073.D	13 Jun 2025 15:03	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FG016074.D	13 Jun 2025 15:33	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FG016075.D	13 Jun 2025 16:02	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FG016076.D	13 Jun 2025 16:31	YP\AJ	Ok
9	I.BLK	FG016077.D	13 Jun 2025 17:30	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FG016078.D	13 Jun 2025 18:00	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG062725AL

Review By	yogesh	Review On	6/27/2025 2:44:42 PM
Supervise By	mohammad	Supervise On	6/30/2025 9:34:35 AM
SubDirectory	FG062725AL	HP Acquire Method	HP Processing Method FG061325AL
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	FG016146.D	27 Jun 2025 11:09	YP\AJ	Ok
2	I.BLK	FG016147.D	27 Jun 2025 11:39	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FG016148.D	27 Jun 2025 12:08	YP\AJ	Ok
4	PB168639BL	FG016149.D	27 Jun 2025 12:40	YP\AJ	Ok
5	PB168639BS	FG016150.D	27 Jun 2025 13:09	YP\AJ	Ok
6	PB168639BSD	FG016151.D	27 Jun 2025 13:39	YP\AJ	Ok
7	Q2418-01	FG016152.D	27 Jun 2025 14:09	YP\AJ	Dilution
8	I.BLK	FG016153.D	27 Jun 2025 14:38	YP\AJ	Ok
9	20 PPM ALIPHATIC HC STD	FG016154.D	27 Jun 2025 15:08	YP\AJ	Ok,M
10	PB168635BL	FG016155.D	27 Jun 2025 15:37	YP\AJ	Ok
11	PB168635BS	FG016156.D	27 Jun 2025 16:07	YP\AJ	Ok
12	PB168635BSD	FG016157.D	27 Jun 2025 16:36	YP\AJ	Ok
13	Q2430-01	FG016158.D	27 Jun 2025 17:06	YP\AJ	Ok
14	Q2430-01D	FG016159.D	27 Jun 2025 17:36	YP\AJ	Ok
15	Q2430-01MS	FG016160.D	27 Jun 2025 18:05	YP\AJ	Ok
16	Q2430-01MSD	FG016161.D	27 Jun 2025 18:35	YP\AJ	Ok
17	Q2430-02	FG016162.D	27 Jun 2025 19:04	YP\AJ	Ok
18	Q2418-01DL	FG016163.D	27 Jun 2025 19:34	YP\AJ	Dilution
19	Q2418-01DL2	FG016164.D	27 Jun 2025 20:03	YP\AJ	Dilution
20	Q2418-01DL3	FG016165.D	27 Jun 2025 20:33	YP\AJ	Dilution
21	I.BLK	FG016166.D	27 Jun 2025 21:32	YP\AJ	Ok

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG062725AL

Review By	yogesh	Review On	6/27/2025 2:44:42 PM
Supervise By	mohammad	Supervise On	6/30/2025 9:34:35 AM
SubDirectory	FG062725AL	HP Acquire Method	HP Processing Method FG061325AL
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		

22	20 PPM ALIPHATIC HC STD	FG016167.D	27 Jun 2025 22:02	YP\AJ	Ok
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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 # FC063025AL

Review By	yogesh	Review On	6/30/2025 11:49:41 AM
Supervise By	mohammad	Supervise On	7/1/2025 8:54:55 AM
SubDirectory	FC063025AL	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	FC069324.D	30 Jun 2025 09:45		YP/AJ	Ok
2	I.BLK	I.BLK	FC069325.D	30 Jun 2025 10:29		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069326.D	30 Jun 2025 11:14		YP/AJ	Ok,M
4	Q2431-02	S-2	FC069327.D	30 Jun 2025 11:59		YP/AJ	Ok
5	Q2431-05	S-5	FC069328.D	30 Jun 2025 13:01		YP/AJ	Ok
6	I.BLK	I.BLK	FC069329.D	30 Jun 2025 13:49		YP/AJ	Ok
7	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069330.D	30 Jun 2025 14:38		YP/AJ	Ok,M
8	PB168656BL	PB168656BL	FC069331.D	30 Jun 2025 15:28		YP/AJ	Ok
9	PB168656BS	PB168656BS	FC069332.D	30 Jun 2025 16:17		YP/AJ	Ok,M
10	PB168656BSD	PB168656BSD	FC069333.D	30 Jun 2025 17:09		YP/AJ	Ok,M
11	Q2452-01	TP-5	FC069334.D	30 Jun 2025 18:01		YP/AJ	Ok
12	Q2452-01D	Q2452-01D	FC069335.D	30 Jun 2025 18:52		YP/AJ	Ok
13	Q2452-01MS	TP-5MS	FC069336.D	30 Jun 2025 19:42	FC069334.D	YP/AJ	Ok,M
14	Q2452-01MSD	TP-5MSD	FC069337.D	30 Jun 2025 20:31	FC069334.D!FC069336.D	YP/AJ	Ok
15	Q2452-02	TP-5-EPH	FC069338.D	30 Jun 2025 21:20		YP/AJ	Ok
16	I.BLK	I.BLK	FC069339.D	30 Jun 2025 22:54		YP/AJ	Ok
17	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069340.D	30 Jun 2025 23:40		YP/AJ	Ok,M

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_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG061325AL

Review By	yogesh	Review On	6/13/2025 12:52:17 PM
Supervise By	mohammad	Supervise On	6/17/2025 3:40:36 AM
SubDirectory	FG061325AL	HP Acquire Method	HP Processing Method FG061325AL
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	FG016069.D	13 Jun 2025 13:06		YP\AJ	Ok
2	I.BLK	I.BLK	FG016070.D	13 Jun 2025 13:35		YP\AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FG016071.D	13 Jun 2025 14:05		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FG016072.D	13 Jun 2025 14:34		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016073.D	13 Jun 2025 15:03		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FG016074.D	13 Jun 2025 15:33		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FG016075.D	13 Jun 2025 16:02		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016076.D	13 Jun 2025 16:31		YP\AJ	Ok
9	I.BLK	I.BLK	FG016077.D	13 Jun 2025 17:30		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016078.D	13 Jun 2025 18:00		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG062725AL

Review By	yogesh	Review On	6/27/2025 2:44:42 PM
Supervise By	mohammad	Supervise On	6/30/2025 9:34:35 AM
SubDirectory	FG062725AL	HP Acquire Method	HP Processing Method FG061325AL

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	FG016146.D	27 Jun 2025 11:09		YP\AJ	Ok
2	I.BLK	I.BLK	FG016147.D	27 Jun 2025 11:39		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016148.D	27 Jun 2025 12:08		YP\AJ	Ok
4	PB168639BL	PB168639BL	FG016149.D	27 Jun 2025 12:40		YP\AJ	Ok
5	PB168639BS	PB168639BS	FG016150.D	27 Jun 2025 13:09	naphthalene break down - 0.533, 2-methylnepthalene break down - 0.466	YP\AJ	Ok
6	PB168639BSD	PB168639BSD	FG016151.D	27 Jun 2025 13:39	naphthalene break down - 0.544, 2-methylnepthalene break down - 0.461	YP\AJ	Ok
7	Q2418-01	VAC-TRUCK-4074	FG016152.D	27 Jun 2025 14:09	need 5x&100x&500x dilution	YP\AJ	Dilution
8	I.BLK	I.BLK	FG016153.D	27 Jun 2025 14:38		YP\AJ	Ok
9	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016154.D	27 Jun 2025 15:08		YP\AJ	Ok,M
10	PB168635BL	PB168635BL	FG016155.D	27 Jun 2025 15:37		YP\AJ	Ok
11	PB168635BS	PB168635BS	FG016156.D	27 Jun 2025 16:07		YP\AJ	Ok
12	PB168635BSD	PB168635BSD	FG016157.D	27 Jun 2025 16:36		YP\AJ	Ok
13	Q2430-01	MH-E/F	FG016158.D	27 Jun 2025 17:06		YP\AJ	Ok
14	Q2430-01D	Q2430-01D	FG016159.D	27 Jun 2025 17:36		YP\AJ	Ok
15	Q2430-01MS	MH-E/FMS	FG016160.D	27 Jun 2025 18:05	FG016158.D	YP\AJ	Ok
16	Q2430-01MSD	MH-E/FMSD	FG016161.D	27 Jun 2025 18:35	FG016158.D\FG016160.D	YP\AJ	Ok

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG062725AL

Review By	yogesh	Review On	6/27/2025 2:44:42 PM
Supervise By	mohammad	Supervise On	6/30/2025 9:34:35 AM
SubDirectory	FG062725AL	HP Acquire Method	HP Processing Method FG061325AL
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		

17	Q2430-02	MH-E/F-EPH	FG016162.D	27 Jun 2025 19:04		YP\AJ	Ok
18	Q2418-01DL	VAC-TRUCK-4074DL	FG016163.D	27 Jun 2025 19:34	need further dilution	YP\AJ	Dilution
19	Q2418-01DL2	VAC-TRUCK-4074DL2	FG016164.D	27 Jun 2025 20:03	need further dilution	YP\AJ	Dilution
20	Q2418-01DL3	VAC-TRUCK-4074DL3	FG016165.D	27 Jun 2025 20:33	need further dilution	YP\AJ	Dilution
21	I.BLK	I.BLK	FG016166.D	27 Jun 2025 21:32		YP\AJ	Ok
22	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016167.D	27 Jun 2025 22:02		YP\AJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/27/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 06/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 06/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB136296

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
Q2429-01	TP-4	1	1.18	10.46	11.64	10.47	88.8	
Q2429-02	TP-4-EPH	2	1.18	10.35	11.53	10.28	87.9	
Q2429-03	TP-4-VOC	3	1.16	10.17	11.33	10.14	88.3	
Q2429-04	TP-4	4	1.18	10.46	11.64	10.47	88.8	
Q2430-01	MH-E/F	5	1.18	10.54	11.72	10.48	88.2	
Q2430-02	MH-E/F-EPH	6	1.14	10.55	11.69	10.44	88.2	
Q2430-03	MH-E/F-VOC	7	1.19	10.56	11.75	10.5	88.2	
Q2430-04	MH-E/F	8	1.18	10.54	11.72	10.48	88.2	
Q2431-01	S-1	9	1.16	9.95	11.11	9.69	85.7	
Q2431-02	S-2	10	1.19	9.99	11.18	9.62	84.4	
Q2431-03	S-3	11	1.19	10.15	11.34	9.63	83.2	
Q2431-04	S-4	12	1.13	10.30	11.43	9.84	84.6	
Q2431-05	S-5	13	1.17	10.49	11.66	9.88	83.0	

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

WORKLIST(Hardcopy Internal Chain)

136296

WorkList Name : %1-062625

WorkList ID : 190397

Department : Wet-Chemistry

Date : 06-26-2025 08:07:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2429-01	TP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03		06/26/2025	Chemtech -SO
Q2429-02	TP-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A53	06/26/2025	Chemtech -SO
Q2429-03	TP-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A53	06/26/2025	Chemtech -SO
Q2429-04	TP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03		06/26/2025	Chemtech -SO
Q2430-01	MH-E/F	Solid	Percent Solids	Cool 4 deg C	PSEG03	A53	06/26/2025	Chemtech -SO
Q2430-02	MH-E/F-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A53	06/26/2025	Chemtech -SO
Q2430-03	MH-E/F-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A53	06/26/2025	Chemtech -SO
Q2430-04	MH-E/F	Solid	Percent Solids	Cool 4 deg C	PSEG03	A53	06/26/2025	Chemtech -SO
Q2431-01	S-1	Solid	Percent Solids	Cool 4 deg C	EARTH03	A61	06/25/2025	Chemtech -SO
Q2431-02	S-2	Solid	Percent Solids	Cool 4 deg C	EARTH03	A61	06/25/2025	Chemtech -SO
Q2431-03	S-3	Solid	Percent Solids	Cool 4 deg C	EARTH03	A61	06/25/2025	Chemtech -SO
Q2431-04	S-4	Solid	Percent Solids	Cool 4 deg C	EARTH03	A61	06/25/2025	Chemtech -SO
Q2431-05	S-5	Solid	Percent Solids	Cool 4 deg C	EARTH03	A61	06/25/2025	Chemtech -SO

Date/Time 06/26/25 15:29

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 06/26/25 17:20

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: 06/27/2025

Extraction Start Time: 08:30

Extraction End Date: 06/27/2025

Extraction End Time: 12:45

Concentration By: EH

Supervisor By: RUPESH

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

Standardized Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	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
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

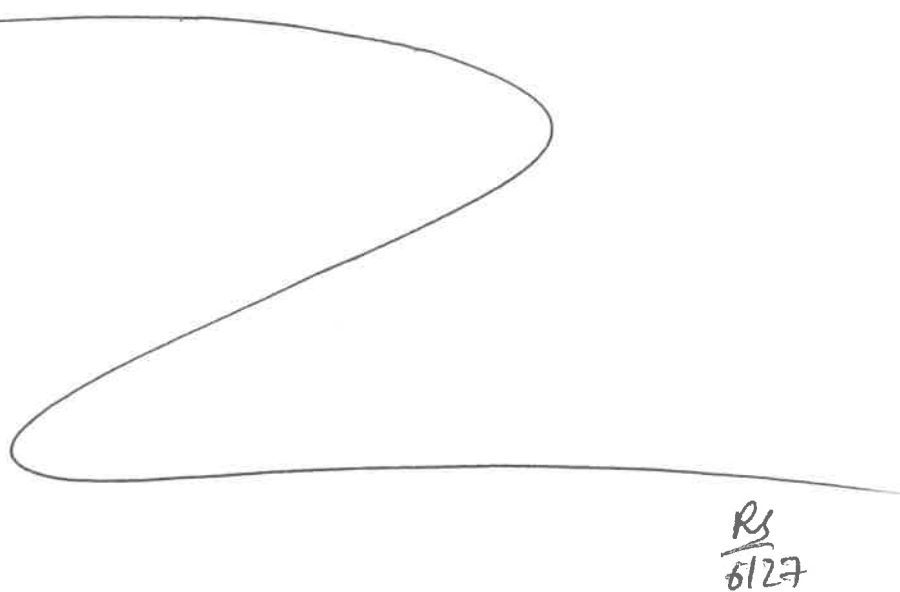
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/27/25	RS (Ext Lab)	Y-P-PESTIPUS
12:50	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-8

Concentration Date: 06/27/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168635BL	PB168635BL	EPH_NF	30.01	N/A	ritesh	Evelyn	2			U6-1
PB168635BS	PB168635BS	EPH_NF	30.02	N/A	ritesh	Evelyn	2			2
PB168635BSD	PB168635BSD	EPH_NF	30.02	N/A	ritesh	Evelyn	2			3
Q2429-01	TP-4	EPH_NF	30.06	N/A	ritesh	Evelyn	2	E		4
Q2429-02	TP-4-EPH	EPH_NF	30.08	N/A	ritesh	Evelyn	2			5
Q2430-01	MH-E/F	EPH_NF	30.03	N/A	ritesh	Evelyn	2	E		6
Q2430-01DUP	MH-E/FDUP	EPH_NF	30.01	N/A	ritesh	Evelyn	2	E		U1-1
Q2430-01MS	MH-E/FMS	EPH_NF	30.05	N/A	ritesh	Evelyn	2	E		2
Q2430-01MSD	MH-E/FMSD	EPH_NF	30.04	N/A	ritesh	Evelyn	2	E		3
Q2430-02	MH-E/F-EPH	EPH_NF	30.07	N/A	ritesh	Evelyn	2			4
Q2431-01	S-1	EPH_NF	30.04	N/A	ritesh	Evelyn	2			5
Q2431-02	S-2	EPH_NF	30.06	N/A	ritesh	Evelyn	2			6
Q2431-03	S-3	EPH_NF	30.02	N/A	ritesh	Evelyn	2			U2-1
Q2431-04	S-4	EPH_NF	30.01	N/A	ritesh	Evelyn	2			2
Q2431-05	S-5	EPH_NF	30.04	N/A	ritesh	Evelyn	2			3



168391
03:08

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2431 WorkList ID : 190431 Department : Extraction Date : 06-27-2025 08:25:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2429-01	TP-4	Solid	EPH_NF	Cool 4 deg C	PSEG03	A53	06/26/2025	NJEPH
Q2429-02	TP-4-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	A53	06/26/2025	NJEPH
Q2430-01	MH-E/F	Solid	EPH_NF	Cool 4 deg C	PSEG03	A53	06/26/2025	NJEPH
Q2430-02	MH-E/F-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	A53	06/26/2025	NJEPH
Q2431-01	S-1	Solid	EPH_NF	Cool 4 deg C	EARTH03	A61	06/25/2025	NJEPH
Q2431-02	S-2	Solid	EPH_NF	Cool 4 deg C	EARTH03	A61	06/25/2025	NJEPH
Q2431-03	S-3	Solid	EPH_NF	Cool 4 deg C	EARTH03	A61	06/25/2025	NJEPH
Q2431-04	S-4	Solid	EPH_NF	Cool 4 deg C	EARTH03	A61	06/25/2025	NJEPH
Q2431-05	S-5	Solid	EPH_NF	Cool 4 deg C	EARTH03	A61	06/25/2025	NJEPH

Date/Time 06/27/25 8:25
Raw Sample Received by: RS C-CL-1064
Raw Sample Relinquished by: CL SM

Date/Time 06/27/25 8:40
Raw Sample Received by: CL SM
Raw Sample Relinquished by: RS C-CL-1064



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: **Earth Engineering**
ADDRESS: **403 Commerce Lane**
CITY: **West Berlin** STATE: **NJ** ZIP: **08091**
ATTENTION: **Frank Dougherty**
PHONE: **856-768-1001** FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **1710 NY Ave**
PROJECT NO.: **38550** LOCATION: **NJ**
PROJECT MANAGER: **Frank Dougherty**
e-mail: **frankd@earthengineering.com**
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: **SAME** PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) **3** DAYS*
HARDCOPY (DATA PACKAGE): **5** DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data) ☐ Other
☐ EDD FORMAT

EPH Category 1
1 2 3 4 5 6 7 8 9

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	S-1	S-1		X	6/25/25	8:10	1	X									
2.	S-2			X		8:35	1	X									
3.	S-3			X		9:15	1	X									
4.	S-4			X		9:45	1	X									
5.	S-5			X		10:20	1	X									
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1.	DATE/TIME: 1240 6/26/25	RECEIVED BY: 1.	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.6°C °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	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