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Cover Page

Order ID : Q2363

Project ID : Capra

Client : G Environmental

Lab Sample Number	Client Sample Number
Q2363-01	GCAP1
Q2363-02	GCAP1W

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

Signature : _____

Date: 6/25/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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 is 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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2363**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **PRADIP PRAJAPATI** **Date:** **06/25/2025**

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LAB CHRONICLE

OrderID:	Q2363	**OrderDate:**	6/18/2025 4:03:52 PM
Client:	G Environmental	**Project:**	Capra
Contact:	Gary Landis	**Location:**	D51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2363-01	**GCAP1**	**Solid**			**06/18/25**			**06/18/25**
			EPH_F2	NJEPH		06/24/25	06/24/25	

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM CASE No.: Q2363 SAS No.: Q2363 SDG No.: Q2363

Run Number: FC062425AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB168596BL	70	68		0
PB168596BS	73	70		0
PB168596BSD	75	72		0
GCAP1	55	53		0
GCAP1MS	55	52		0
GCAP1MSD	53	50		0

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

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

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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

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SOLID EPH_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	Chemtech			**Client:**	G Environmental		
Lab Code:	CHEM	**Cas No:**	Q2363	**SAS No :**	Q2363	**SDG No:**	Q2363
Sample No :	Q2363-01MS	**Datafile:**	FC069271.D	**Client ID :**	GCAP1MS		

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	35.0	8.76	42.1	95		(40-140)
Aliphatic C9-C28	116.6	91.2	166	64		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
n-Nonane (C9)	3.9	0.3531	3.1634	72		(40-140)
n-Decane (C10)	3.9	0.9697	3.7050	70		(40-140)
Naphthalene (C11.7)	3.9	1.6934	4.8581	81		(40-140)
n-Dodecane (C12)	3.9	1.3068	4.2105	74		(40-140)
2-methylnaphthalene (C12.89)	3.9	1.1581	4.1797	77		(40-140)
n-Tetradecane (C14)	3.9	1.6882	4.5476	73		(40-140)
n-Hexadecane (C16)	3.9	0.3822	3.1236	70		(40-140)
n-Octadecane (C18)	3.9	0.0827	2.7097	67		(40-140)
n-Eicosane (C20)	3.9	0.0706	2.8381	71		(40-140)
n-Heneicosane (C21)	3.9	0.0582	2.7655	69		(40-140)
n-Docosane (C22)	3.9	0.0876	2.7718	69		(40-140)
n-Tetracosane (C24)	7.8	0.0820	5.5245	70		(40-140)
n-Hexacosane (C26)	3.9	0.0963	2.7712	69		(40-140)
n-Octacosane (C28)	3.9	0.1094	2.7859	69		(40-140)
n-Tricontane (C30)	3.9	0.0521	2.8189	71		(40-140)
n-Dotriacontane (C32)	3.9	0.1476	3.0635	75		(40-140)
n-Tetratriacontane (C34)	3.9	0.2193	3.6322	88		(40-140)
n-Hexatriacontane (C36)	3.9	0.3689	4.2315	99		(40-140)
n-Octatriacontane (C38)	3.9	0.1866	4.7284	116		(40-140)
n-Tetracontane (C40)	3.9	0.0824	4.5424	114		(40-140)

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SOLID EPH_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q2363 **SAS No :** Q2363 **SDG No:** Q2363

Sample No : Q2363-01MSD **Datafile:** FC069272.D **Client ID :** GCAP1MSD

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	35.0	8.76	38.9	86		10.3 | (40-140)	50
Aliphatic C9-C28	116.7	91.2	156	56		14 | (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)	3.9	0.3531	3.0110	68		5.71 | (40-140)	50
n-Decane (C10)	3.9	0.9697	3.5097	65		7.41 | (40-140)	50
Naphthalene (C11.7)	3.9	1.6934	4.6088	75		7.69 | (40-140)	50
n-Dodecane (C12)	3.9	1.3068	3.9778	68		8.45 | (40-140)	50
2-methylnaphthalene (C12.89)	3.9	1.1581	3.9541	72		6.71 | (40-140)	50
n-Tetradecane (C14)	3.9	1.6882	4.2704	66		10.07 |(40-140)	50
n-Hexadecane (C16)	3.9	0.3822	2.9246	65		7.41 | (40-140)	50
n-Octadecane (C18)	3.9	0.0827	2.5418	63		6.15 | (40-140)	50
n-Eicosane (C20)	3.9	0.0706	2.6637	66		7.3 | (40-140)	50
n-Heneicosane (C21)	3.9	0.0582	2.5933	65		5.97 | (40-140)	50
n-Docosane (C22)	3.9	0.0876	2.5989	64		7.52 | (40-140)	50
n-Tetracosane (C24)	7.8	0.0820	5.1302	65		7.41 | (40-140)	50
n-Hexacosane (C26)	3.9	0.0963	2.5846	64		7.52 | (40-140)	50
n-Octacosane (C28)	3.9	0.1094	2.5635	63		9.09 | (40-140)	50
n-Tricontane (C30)	3.9	0.0521	2.5520	64		10.37 |(40-140)	50
n-Dotriacontane (C32)	3.9	0.1476	2.7713	67		11.27 |(40-140)	50
n-Tetratriacontane (C34)	3.9	0.2193	3.2717	78		12.05 |(40-140)	50
n-Hexatriacontane (C36)	3.9	0.3689	3.8354	89		10.64 |(40-140)	50
n-Octatriacontane (C38)	3.9	0.1866	4.3914	108		7.14 | (40-140)	50
n-Tetracontane (C40)	3.9	0.0824	4.1951	105		8.22 | (40-140)	50

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SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q2363 **SAS No :** Q2363 **SDG No:** Q2363

Sample No : PB168596BS **Datafile:** FC069268.D **Client ID :** PB168596BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	30.0	28.9	96		(40-140)
Aliphatic C9-C28	99.9	71.4	73		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
n-Nonane (C9)	3.3	2.50286	76		(40-140)
n-Decane (C10)	3.3	2.64906	80		(40-140)
Naphthalene (C11.7)	3.3	2.98025	90		(40-140)
n-Dodecane (C12)	3.3	2.72316	83		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.82944	86		(40-140)
n-Tetradecane (C14)	3.3	2.70941	82		(40-140)
n-Hexadecane (C16)	3.3	2.57250	78		(40-140)
n-Octadecane (C18)	3.3	2.47344	75		(40-140)
n-Eicosane (C20)	3.3	2.58429	78		(40-140)
n-Heneicosane (C21)	3.3	2.50344	76		(40-140)
n-Docosane (C22)	3.3	2.48205	75		(40-140)
n-Tetracosane (C24)	6.7	4.98933	74		(40-140)
n-Hexacosane (C26)	3.3	2.45270	74		(40-140)
n-Octacosane (C28)	3.3	2.47620	75		(40-140)
n-Tricontane (C30)	3.3	2.47526	75		(40-140)
n-Dotriacontane (C32)	3.3	2.59511	79		(40-140)
n-Tetratriacontane (C34)	3.3	3.00565	91		(40-140)
n-Hexatriacontane (C36)	3.3	3.36244	102		(40-140)
n-Octatriacontane (C38)	3.3	3.80751	115		(40-140)
n-Tetracontane (C40)	3.3	4.02460	122		(40-140)

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SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q2363 **SAS No :** Q2363 **SDG No:** Q2363

Sample No : PB168596BSD **Datafile:** FC069269.D **Client ID :** PB168596BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	30.0	29.0	97		0.34|	(40-140)	25
Aliphatic C9-C28	99.9	71.4	73		0.008|	(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	2.55223	77		1.31|	(40-140)	25
n-Decane (C10)	3.3	2.67136	81		1.24|	(40-140)	25
Naphthalene (C11.7)	3.3	2.97511	90		0|	(40-140)	25
n-Dodecane (C12)	3.3	2.71395	82		1.21|	(40-140)	25
2-methylnaphthalene (C12.89)	3.3	2.81396	85		1.17|	(40-140)	25
n-Tetradecane (C14)	3.3	2.67453	81		1.23|	(40-140)	25
n-Hexadecane (C16)	3.3	2.52498	77		1.29|	(40-140)	25
n-Octadecane (C18)	3.3	2.42582	74		1.34|	(40-140)	25
n-Eicosane (C20)	3.3	2.55139	77		1.29|	(40-140)	25
n-Heneicosane (C21)	3.3	2.48508	75		1.32|	(40-140)	25
n-Docosane (C22)	3.3	2.47570	75		0|	(40-140)	25
n-Tetracosane (C24)	6.7	5.02199	75		1.34|	(40-140)	25
n-Hexacosane (C26)	3.3	2.47553	75		1.34|	(40-140)	25
n-Octacosane (C28)	3.3	2.49795	76		1.32|	(40-140)	25
n-Tricontane (C30)	3.3	2.49864	76		1.32|	(40-140)	25
n-Dotriacontane (C32)	3.3	2.61671	79		0|	(40-140)	25
n-Tetratriacontane (C34)	3.3	3.02167	92		1.09|	(40-140)	25
n-Hexatriacontane (C36)	3.3	3.37293	102		0|	(40-140)	25
n-Octatriacontane (C38)	3.3	3.81313	116		0.87|	(40-140)	25
n-Tetracontane (C40)	3.3	4.02878	122		0|	(40-140)	25

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4B

METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168596BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2363 SAS No.: Q2363 SDG NO.: Q2363

Instrument ID: FID_C Lab Sample ID: PB168596BL

Matrix: (soil/water) Solid Date Extracted: 6/24/2025 8:47:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB168596BS	PB168596BS
PB168596BSD	PB168596BSD
GCAP1	Q2363-01
GCAP1MS	Q2363-01MS
GCAP1MSD	Q2363-01MSD

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	G Environmental			Date Collected:	06/18/25
Project:	Capra			Date Received:	06/18/25
Client Sample ID:	GCAP1			SDG No.:	Q2363
Lab Sample ID:	Q2363-01			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	85.5
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_F2
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/24/25 08:47	06/24/25 16:10	PB168596

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	91.2		1	1.06	4.68	mg/kg	FC069270.D
Total EPH	Total EPH	91.2			1.06	4.68	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	G Environmental		Date Collected:	06/18/25	
Project:	Capra		Date Received:	06/18/25	
Client Sample ID:	GCAP1		SDG No.:	Q2363	
Lab Sample ID:	Q2363-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.5	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069270.D	1	06/24/25	06/24/25	PB168596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	91.2		1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.76		1.38	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.6		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.6		40 - 140	53%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2363-01	Acq On:	24 Jun 2025 16:10
Client Sample ID:	GCAP1	Operator:	YP/AJ
Data file:	FC069270.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.308	6.606	75448948	514.379	300	ug/ml
Aliphatic C12-C16	6.607	10.010	77163156	484.661	200	ug/ml
Aliphatic C16-C21	10.011	13.381	14313205	92.682	300	ug/ml
Aliphatic C21-C28	13.382	17.047	10799471	80.613	400	ug/ml
Aliphatic C28-C40	17.048	22.029	10370723	112.573	600	ug/ml
Aliphatic EPH	3.308	22.029	188095503	1280		ug/ml
ortho-Terphenyl (SURR)	11.679	11.679	4598725	26.62		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	3598819	27.55		ug/ml
Aliphatic C9-C28	3.308	17.047	177724780	1170	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069270.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 16:10
Operator : YP/AJ
Sample : Q2363-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GCAP1

Integration File: autoint1.e
Quant Time: Jun 25 00:40:35 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)	11.679	4598725	26.619 ug/ml
Spiked Amount 50.000		Recovery = 53.24%	
12) S 1-chlorooctadecane (S...	13.114	3598819	27.547 ug/ml
Spiked Amount 50.000		Recovery = 55.09%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

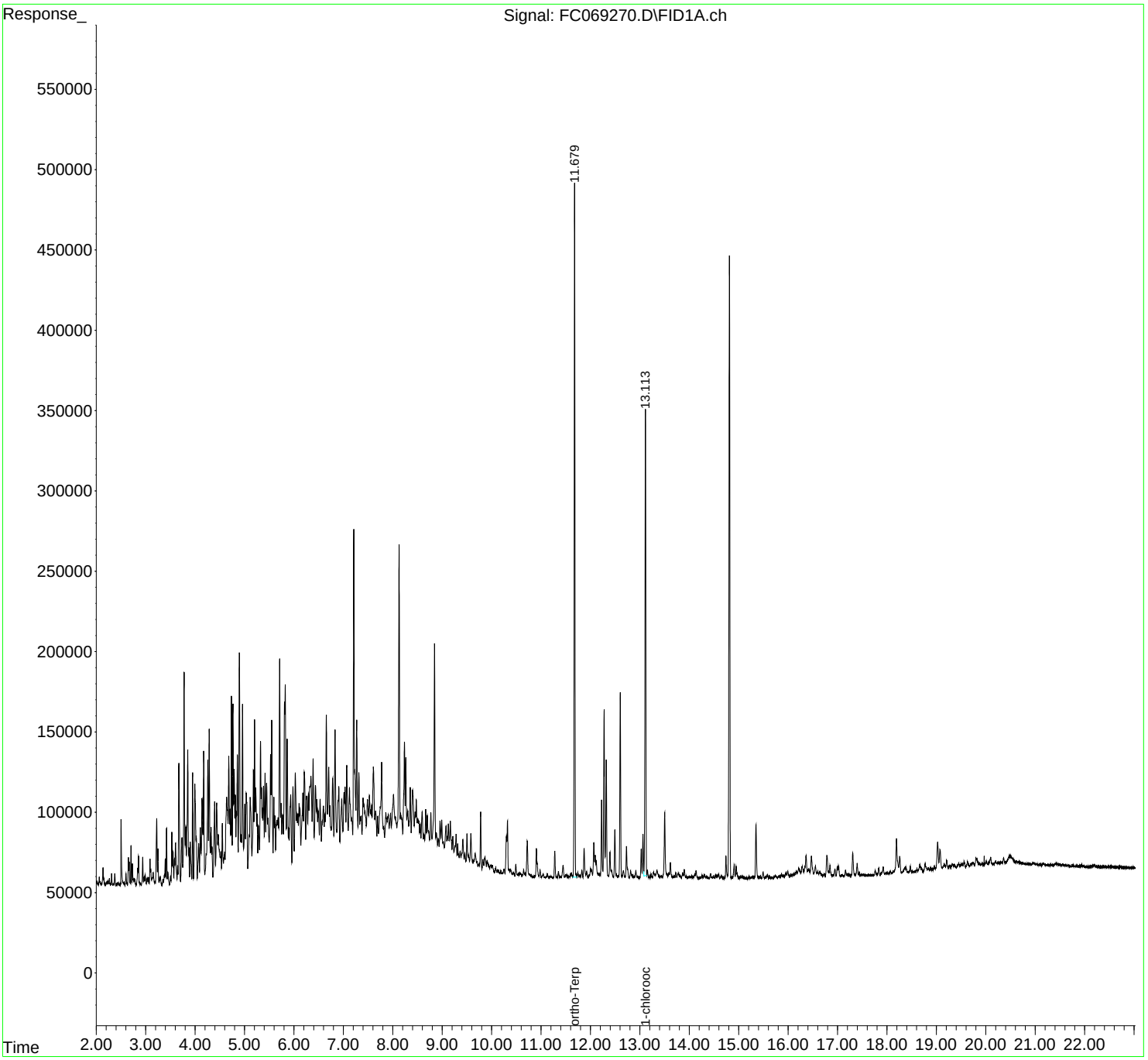
Quantitation Report (QT Reviewed)

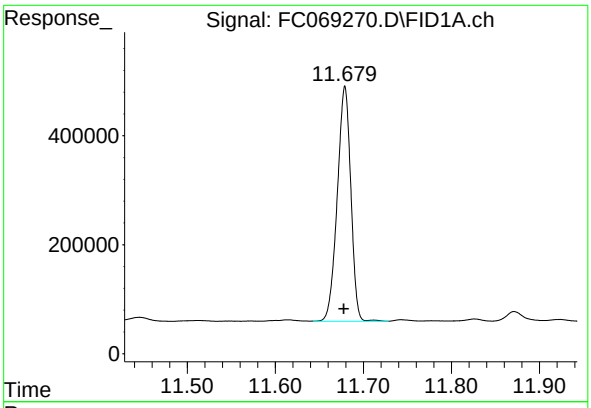
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069270.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 16:10
Operator : YP/AJ
Sample : Q2363-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GCAP1

Integration File: autoint1.e
Quant Time: Jun 25 00:40:35 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

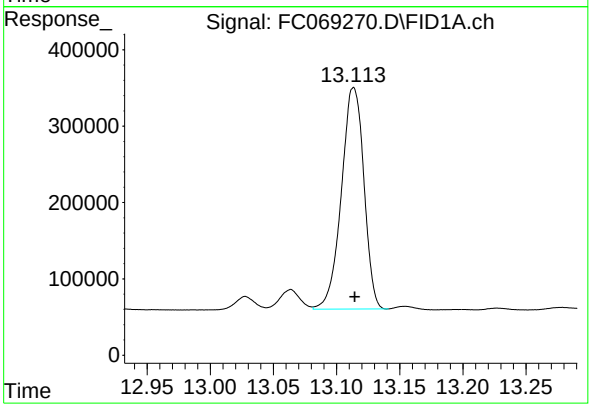




#9 ortho-Terphenyl (SURR)

R.T.: 11.679 min
Delta R.T.: 0.001 min
Response: 4598725
Conc: 26.62 ug/ml

Instrument :
FID_C
ClientSampleId :
GCAP1



#12 1-chlorooctadecane (SURR)

R.T.: 13.114 min
Delta R.T.: 0.000 min
Response: 3598819
Conc: 27.55 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069270.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 16:10
Sample : Q2363-01
Misc :
ALS Vial : 19 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	% max.	% of total
1	3.224	3.204	3.239	PV	35267	362968	7.41%	0.184%
2	3.249	3.239	3.269	PV	16639	119209	2.43%	0.060%
3	3.297	3.269	3.324	PV	4382	64179	1.31%	0.033%
4	3.351	3.324	3.361	PV	3556	34001	0.69%	0.017%
5	3.397	3.361	3.408	VV	16217	203999	4.16%	0.103%
6	3.423	3.408	3.484	VV	35289	441304	9.01%	0.224%
7	3.504	3.484	3.513	VV	5414	49164	1.00%	0.025%
8	3.531	3.513	3.544	VV	32558	329750	6.73%	0.167%
9	3.554	3.544	3.570	VV	20460	207192	4.23%	0.105%

10	3.605	3.570	3.635	VV	26112	528473	10.79%	0.268%
11	3.673	3.635	3.706	VV	75478	1096498	22.39%	0.556%
12	3.735	3.706	3.751	VV	29414	440136	8.99%	0.223%
13	3.778	3.751	3.801	VV	131774	1547437	31.59%	0.785%
14	3.812	3.801	3.824	VV	35626	400523	8.18%	0.203%
15	3.852	3.824	3.888	VV	83730	1361844	27.80%	0.691%
16	3.903	3.888	3.934	VV	26199	379566	7.75%	0.193%
17	3.951	3.934	3.969	VV	69623	634795	12.96%	0.322%
18	3.997	3.969	4.045	VV	60952	1372935	28.03%	0.697%
19	4.073	4.045	4.090	VV	25654	410842	8.39%	0.208%
20	4.107	4.090	4.122	VV	35366	455811	9.31%	0.231%
21	4.141	4.122	4.158	VV	53364	768780	15.70%	0.390%
22	4.174	4.158	4.197	VV	83318	964784	19.70%	0.489%
23	4.258	4.197	4.271	VV	77362	1288814	26.31%	0.654%
24	4.286	4.271	4.310	VV	96293	1187414	24.24%	0.602%
25	4.323	4.310	4.362	VV	35513	639388	13.05%	0.324%
26	4.395	4.362	4.415	VV	51186	832602	17.00%	0.422%
27	4.437	4.415	4.458	VV	50324	858972	17.54%	0.436%
28	4.469	4.458	4.511	VV	30945	732192	14.95%	0.371%
29	4.521	4.511	4.534	VV	20253	233137	4.76%	0.118%
30	4.551	4.534	4.574	VV	37914	516754	10.55%	0.262%
31	4.597	4.574	4.607	VV	20017	342145	6.99%	0.174%
32	4.639	4.607	4.666	VV	54353	1465901	29.93%	0.744%
33	4.682	4.666	4.698	VV	79413	1052227	21.48%	0.534%
34	4.707	4.698	4.720	VV	46444	543151	11.09%	0.276%
35	4.736	4.720	4.751	VV	116074	1235569	25.23%	0.627%

36	4.766	4.751	4.779	VV	111175	1189828	24.29%	0.604%
37	4.789	4.779	4.804	VV	71213	894307	18.26%	0.454%
38	4.813	4.804	4.826	VV	55705	574879	11.74%	0.292%
39	4.855	4.826	4.872	VV	80544	1370084	27.97%	0.695%
40	4.896	4.872	4.922	VV	144559	2169089	44.28%	1.100%
41	4.931	4.922	4.939	VV	30851	293767	6.00%	0.149%
42	4.959	4.939	4.982	VV	112229	1466604	29.94%	0.744%
43	5.005	4.982	5.019	VV	49758	776846	15.86%	0.394%
44	5.035	5.019	5.066	VV	56646	1104195	22.54%	0.560%
45	5.115	5.066	5.149	VV	53887	1593702	32.54%	0.809%
46	5.180	5.149	5.190	VV	70945	984415	20.10%	0.499%
47	5.203	5.190	5.218	VV	101191	1156306	23.61%	0.587%
48	5.227	5.218	5.246	VV	59349	835099	17.05%	0.424%
49	5.253	5.246	5.268	VV	43872	459272	9.38%	0.233%
50	5.282	5.268	5.304	VV	36355	618576	12.63%	0.314%
51	5.324	5.304	5.356	VV	88939	1757534	35.88%	0.892%
52	5.385	5.356	5.400	VV	60907	1233387	25.18%	0.626%
53	5.416	5.400	5.430	VV	68684	865297	17.67%	0.439%
54	5.447	5.430	5.499	VV	61897	1754663	35.82%	0.890%
55	5.528	5.499	5.538	VV	79807	1183687	24.17%	0.600%
56	5.551	5.538	5.577	VV	101929	1427962	29.15%	0.724%
57	5.594	5.577	5.631	VV	53879	1166463	23.81%	0.592%
58	5.660	5.631	5.669	VV	39762	811793	16.57%	0.412%
59	5.680	5.669	5.690	VV	40892	474225	9.68%	0.241%
60	5.711	5.690	5.752	VV	139810	2467071	50.37%	1.252%

61	5.770	5.752	5.786	VV	43048	772941	15.78%	0.392%
62	5.824	5.786	5.846	VV	124445	2825387	57.68%	1.433%
63	5.863	5.846	5.904	VV	89404	1730386	35.33%	0.878%
64	5.934	5.904	5.959	VV	55285	1258355	25.69%	0.638%
65	5.981	5.959	6.005	VV	60277	997649	20.37%	0.506%
66	6.029	6.005	6.052	VV	68878	1345382	27.47%	0.683%
67	6.060	6.052	6.070	VV	43006	438961	8.96%	0.223%
68	6.080	6.070	6.091	VV	43596	494909	10.10%	0.251%
69	6.105	6.091	6.115	VV	49760	633022	12.92%	0.321%
70	6.122	6.115	6.141	VV	46482	588967	12.02%	0.299%
71	6.180	6.141	6.193	VV	56728	1289651	26.33%	0.654%
72	6.211	6.193	6.239	VV	69025	1434890	29.29%	0.728%
73	6.259	6.239	6.280	VV	54045	1128749	23.04%	0.573%
74	6.295	6.280	6.306	VV	55929	755413	15.42%	0.383%
75	6.345	6.306	6.368	VV	66719	2121855	43.32%	1.076%
76	6.388	6.368	6.410	VV	77419	1297671	26.49%	0.658%
77	6.437	6.410	6.454	VV	60653	1236144	25.24%	0.627%
78	6.464	6.454	6.479	VV	52138	718110	14.66%	0.364%
79	6.491	6.479	6.515	VV	45010	843602	17.22%	0.428%
80	6.530	6.515	6.556	VV	52163	981284	20.03%	0.498%
81	6.597	6.556	6.614	VV	48233	1370469	27.98%	0.695%
82	6.626	6.614	6.635	VV	43152	518150	10.58%	0.263%
83	6.656	6.635	6.679	VV	103944	1725094	35.22%	0.875%
84	6.704	6.679	6.751	VV	72142	2102739	42.93%	1.067%
85	6.785	6.751	6.808	VV	65170	1541484	31.47%	0.782%
86	6.833	6.808	6.871	VV	95611	2040337	41.66%	1.035%

87	6.908	6.871	6.930	VV	60131	1564294	31.94%	0.794%
88	6.967	6.930	6.992	VV	52189	1471921	30.05%	0.747%
89	7.014	6.992	7.024	VV	56074	863045	17.62%	0.438%
90	7.036	7.024	7.051	VV	59365	856716	17.49%	0.435%
91	7.070	7.051	7.099	VV	72920	1474238	30.10%	0.748%
92	7.124	7.099	7.190	VV	58927	2355112	48.08%	1.195%
93	7.212	7.190	7.254	VV	218759	3606541	73.63%	1.830%
94	7.271	7.254	7.295	VV	100974	1605043	32.77%	0.814%
95	7.315	7.295	7.333	VV	68569	1119888	22.86%	0.568%
96	7.343	7.333	7.352	VV	41170	456558	9.32%	0.232%
97	7.360	7.352	7.378	VV	41500	582219	11.89%	0.295%
98	7.400	7.378	7.412	VV	52501	915273	18.69%	0.464%
99	7.418	7.412	7.466	VV	48556	1381016	28.19%	0.701%
100	7.488	7.466	7.511	VV	51798	1212871	24.76%	0.615%
101	7.527	7.511	7.561	VV	54588	1406151	28.71%	0.713%
102	7.572	7.561	7.583	VV	48124	603096	12.31%	0.306%
103	7.608	7.583	7.636	VV	71819	1767888	36.09%	0.897%
104	7.653	7.636	7.678	VV	44425	1007430	20.57%	0.511%
105	7.693	7.678	7.712	VV	41120	716291	14.62%	0.363%
106	7.775	7.712	7.834	VV	74428	3153521	64.38%	1.600%
107	7.860	7.834	7.883	VV	43277	1099791	22.45%	0.558%
108	7.910	7.883	7.928	VV	42275	1069290	21.83%	0.542%
109	7.955	7.928	7.972	VV	42927	995575	20.33%	0.505%
110	8.015	7.972	8.082	VV	54881	2830952	57.80%	1.436%
111	8.128	8.082	8.151	VV	210418	3510052	71.66%	1.781%
112	8.160	8.151	8.201	VV	42349	1168225	23.85%	0.593%

113	8.236	8.201	8.251	VV	87566	1725730	35.23%	0.875%
114	8.264	8.251	8.284	VV	77658	1126083	22.99%	0.571%
115	8.303	8.284	8.321	VV	44014	904199	18.46%	0.459%
116	8.353	8.321	8.373	VV	59088	1332380	27.20%	0.676%
117	8.400	8.373	8.434	VV	57178	1696254	34.63%	0.861%
118	8.452	8.434	8.462	VV	43540	655980	13.39%	0.333%
119	8.476	8.462	8.492	VV	51258	810884	16.55%	0.411%
120	8.501	8.492	8.543	VV	39106	1120263	22.87%	0.568%
121	8.555	8.543	8.570	VV	36010	542818	11.08%	0.275%
122	8.594	8.570	8.621	VV	43696	1067250	21.79%	0.541%
123	8.633	8.621	8.646	VV	29603	423470	8.65%	0.215%
124	8.666	8.646	8.682	VV	45215	763028	15.58%	0.387%
125	8.698	8.682	8.745	VV	41574	1245620	25.43%	0.632%
126	8.771	8.745	8.791	VV	43449	911439	18.61%	0.462%
127	8.845	8.791	8.870	VV	147286	2709164	55.31%	1.374%
128	8.883	8.870	8.906	VV	30568	605286	12.36%	0.307%
129	8.922	8.906	8.938	VV	26946	480068	9.80%	0.244%
130	8.957	8.938	8.975	VV	37418	678175	13.85%	0.344%
131	8.991	8.975	9.014	VV	38641	736803	15.04%	0.374%
132	9.024	9.014	9.045	VV	25183	429749	8.77%	0.218%
133	9.077	9.045	9.094	VV	34914	847893	17.31%	0.430%
134	9.124	9.094	9.143	VV	36112	855681	17.47%	0.434%
135	9.165	9.143	9.198	VV	37848	950223	19.40%	0.482%
136	9.215	9.198	9.238	VV	28240	568357	11.60%	0.288%
137	9.282	9.238	9.300	VV	29714	834494	17.04%	0.423%
138	9.314	9.300	9.344	VV	23746	492520	10.06%	0.250%

139	9.363	9.344	9.380	VV	19041	373700	7.63%	0.190%
140	9.418	9.380	9.444	VV	26479	743421	15.18%	0.377%
141	9.459	9.444	9.481	VV	17676	334685	6.83%	0.170%
142	9.502	9.481	9.554	VV	29953	797514	16.28%	0.405%
143	9.581	9.554	9.614	VV	29955	676756	13.82%	0.343%
144	9.624	9.614	9.635	VV	13094	164727	3.36%	0.084%
145	9.667	9.635	9.722	VV	17663	709561	14.49%	0.360%
146	9.779	9.722	9.804	VV	43344	826419	16.87%	0.419%
147	9.825	9.804	9.843	VV	13768	257857	5.26%	0.131%
148	9.866	9.843	9.895	VV	15313	392699	8.02%	0.199%
149	9.911	9.895	9.960	VV	13112	409884	8.37%	0.208%
150	9.980	9.960	10.002	VV	10138	241321	4.93%	0.122%
151	10.015	10.002	10.057	VV	10065	267889	5.47%	0.136%
152	10.084	10.057	10.106	VV	8311	201893	4.12%	0.102%
153	10.122	10.106	10.167	VV	6690	220811	4.51%	0.112%
154	10.187	10.167	10.217	VV	6510	163736	3.34%	0.083%
155	10.250	10.217	10.271	VV	7641	196235	4.01%	0.100%
156	10.322	10.271	10.346	VV	37477	896336	18.30%	0.455%
157	10.354	10.346	10.370	VV	7278	98635	2.01%	0.050%
158	10.384	10.370	10.415	VV	7531	163394	3.34%	0.083%
159	10.445	10.415	10.470	VV	5139	150009	3.06%	0.076%
160	10.490	10.470	10.524	VV	10491	197899	4.04%	0.100%
161	10.533	10.524	10.543	VV	4299	46447	0.95%	0.024%
162	10.554	10.543	10.562	VV	4298	47879	0.98%	0.024%
163	10.579	10.562	10.614	VV	4773	133619	2.73%	0.068%
164	10.649	10.614	10.664	VV	6670	143613	2.93%	0.073%

165	10.675	10.664	10.689	VV	4956	65182	1.33%	0.033%
166	10.722	10.689	10.819	VV	25152	597156	12.19%	0.303%
167	10.826	10.819	10.844	VV	2756	39041	0.80%	0.020%
168	10.874	10.844	10.883	VV	3195	63624	1.30%	0.032%
169	10.907	10.883	10.954	VV	20127	376560	7.69%	0.191%
170	10.981	10.954	11.010	VV	6801	135468	2.77%	0.069%
171	11.044	11.010	11.086	VV	4119	134762	2.75%	0.068%
172	11.127	11.086	11.174	VV	4269	146134	2.98%	0.074%
173	11.194	11.174	11.236	VV	2765	85307	1.74%	0.043%
174	11.278	11.236	11.311	VV	18387	279464	5.71%	0.142%
175	11.322	11.311	11.330	VV	2374	26248	0.54%	0.013%
176	11.353	11.330	11.389	VV	5759	115931	2.37%	0.059%
177	11.399	11.389	11.410	VV	2525	31228	0.64%	0.016%
178	11.445	11.410	11.482	VV	9465	210443	4.30%	0.107%
179	11.513	11.482	11.535	VV	3545	92995	1.90%	0.047%
180	11.547	11.535	11.559	VV	2551	35819	0.73%	0.018%
181	11.572	11.559	11.583	VV	2616	34572	0.71%	0.018%
182	11.614	11.583	11.643	VV	4718	121749	2.49%	0.062%
183	11.679	11.643	11.727	VV	429268	4707182	96.10%	2.388%
184	11.744	11.727	11.766	VV	4963	83399	1.70%	0.042%
185	11.779	11.766	11.797	VV	3051	52619	1.07%	0.027%
186	11.826	11.797	11.848	VV	6288	119571	2.44%	0.061%
187	11.872	11.848	11.905	VV	19894	313501	6.40%	0.159%
188	11.922	11.905	11.950	VV	5412	102739	2.10%	0.052%
189	12.003	11.950	12.015	VV	7499	160557	3.28%	0.081%
190	12.024	12.015	12.042	VV	6810	89540	1.83%	0.045%

191	12.069	12.042	12.085	VV	23544	352550	7.20%	0.179%
192	12.096	12.085	12.109	VV	15652	189931	3.88%	0.096%
193	12.116	12.109	12.177	VV	12343	245549	5.01%	0.125%
194	12.190	12.177	12.200	VV	3888	49380	1.01%	0.025%
195	12.226	12.200	12.250	VV	50184	596795	12.18%	0.303%
196	12.276	12.250	12.298	VV	107115	1291683	26.37%	0.655%
197	12.320	12.298	12.367	VV	75060	1005385	20.53%	0.510%
198	12.394	12.367	12.467	VV	17429	381440	7.79%	0.194%
199	12.494	12.467	12.546	VV	31337	451547	9.22%	0.229%
200	12.604	12.546	12.638	VV	117166	1435292	29.30%	0.728%
201	12.666	12.638	12.704	VV	5924	138469	2.83%	0.070%
202	12.730	12.704	12.780	VV	20834	348994	7.13%	0.177%
203	12.814	12.780	12.878	VV	5410	168353	3.44%	0.085%
204	12.919	12.878	12.977	VV	5697	154082	3.15%	0.078%
205	13.028	12.977	13.044	VV	19155	247512	5.05%	0.126%
206	13.063	13.044	13.081	VV	28394	334380	6.83%	0.170%
207	13.114	13.081	13.141	VV	292125	3690530	75.35%	1.872%
208	13.154	13.141	13.179	VV	6079	85341	1.74%	0.043%
209	13.198	13.179	13.210	VV	1929	32034	0.65%	0.016%
210	13.227	13.210	13.251	VV	3744	59012	1.20%	0.030%
211	13.278	13.251	13.309	VV	4667	110291	2.25%	0.056%
212	13.346	13.309	13.401	VV	6044	193181	3.94%	0.098%
213	13.428	13.401	13.451	VV	2067	54806	1.12%	0.028%
214	13.503	13.451	13.567	VV	41628	702486	14.34%	0.356%
215	13.586	13.567	13.596	VV	3594	55272	1.13%	0.028%

216	13.618	13.596	13.658	VV	10542	177523	3.62%	0.090%
217	13.728	13.658	13.748	VV	4050	116231	2.37%	0.059%
218	13.780	13.748	13.834	VV	3960	129545	2.64%	0.066%
219	13.865	13.834	13.880	VV	3585	64235	1.31%	0.033%
220	13.899	13.880	13.925	VV	6105	97729	2.00%	0.050%
221	13.936	13.925	13.955	VV	1834	25859	0.53%	0.013%
222	13.966	13.955	13.973	VV	1181	12603	0.26%	0.006%
223	13.989	13.973	14.011	VV	1586	30547	0.62%	0.015%
224	14.040	14.011	14.061	VV	1856	43821	0.89%	0.022%
225	14.075	14.061	14.087	VV	1640	22797	0.47%	0.012%
226	14.110	14.087	14.120	VV	2951	43891	0.90%	0.022%
227	14.137	14.120	14.191	VV	5199	94029	1.92%	0.048%
228	14.257	14.191	14.279	VV	2624	65260	1.33%	0.033%
229	14.304	14.279	14.337	VV	2734	61101	1.25%	0.031%
230	14.354	14.337	14.403	VV	1674	39082	0.80%	0.020%
231	14.430	14.403	14.454	VV	3499	54024	1.10%	0.027%
232	14.488	14.454	14.507	VV	1605	37757	0.77%	0.019%
233	14.530	14.507	14.548	VV	2233	41492	0.85%	0.021%
234	14.572	14.548	14.580	VV	2103	34877	0.71%	0.018%
235	14.596	14.580	14.618	VV	2968	43860	0.90%	0.022%
236	14.654	14.618	14.711	VV	1965	56381	1.15%	0.029%
237	14.742	14.711	14.773	VV	14372	183940	3.76%	0.093%
238	14.812	14.773	14.846	VV	384744	4898151	100.00%	2.485%
239	14.862	14.846	14.875	VV	1115	15161	0.31%	0.008%
240	14.908	14.875	14.929	VV	8733	131315	2.68%	0.067%
241	14.949	14.929	14.994	VV	7827	134150	2.74%	0.068%

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242	15.013	14.994	15.024	VV	800	11170	0.23%	0.006%
243	15.041	15.024	15.054	VV	1403	18705	0.38%	0.009%
244	15.069	15.054	15.089	VV	1547	21976	0.45%	0.011%
245	15.111	15.089	15.131	VV	878	14829	0.30%	0.008%
246	15.148	15.131	15.181	VV	652	10879	0.22%	0.006%
247	15.206	15.181	15.241	PV	930	19512	0.40%	0.010%
248	15.295	15.241	15.317	VV	1218	35975	0.73%	0.018%
249	15.349	15.317	15.419	VV	33401	479070	9.78%	0.243%
250	15.434	15.419	15.466	VV	1067	17719	0.36%	0.009%
251	15.493	15.466	15.525	VV	4016	57923	1.18%	0.029%
252	15.545	15.525	15.558	VV	1024	13002	0.27%	0.007%
253	15.581	15.558	15.604	VV	1950	32641	0.67%	0.017%
254	15.622	15.604	15.654	VV	1062	14874	0.30%	0.008%
255	15.669	15.654	15.688	VV	391	5226	0.11%	0.003%
256	15.746	15.688	15.781	VV	1364	39061	0.80%	0.020%
257	15.819	15.781	15.845	VV	1105	30936	0.63%	0.016%
258	15.867	15.845	15.898	VV	2087	44526	0.91%	0.023%
259	15.957	15.898	15.974	VV	3553	82220	1.68%	0.042%
260	15.993	15.974	16.034	VV	4166	79570	1.62%	0.040%
261	16.057	16.034	16.086	VV	1691	45115	0.92%	0.023%
262	16.122	16.086	16.134	VV	2298	53706	1.10%	0.027%
263	16.170	16.134	16.188	VV	3523	93859	1.92%	0.048%
264	16.214	16.188	16.256	VV	5135	170706	3.49%	0.087%
265	16.285	16.256	16.315	VV	6724	173675	3.55%	0.088%
266	16.363	16.315	16.390	VV	13564	332700	6.79%	0.169%
267	16.415	16.390	16.442	VV	4545	130740	2.67%	0.066%

268	16.471	16.442	16.517	VV	13160	295619	6.04%	0.150%
269	16.553	16.517	16.581	VV	6555	154741	3.16%	0.079%
270	16.599	16.581	16.619	VV	3190	61004	1.25%	0.031%
271	16.640	16.619	16.704	VV	3146	91707	1.87%	0.047%
272	16.726	16.704	16.751	VV	1672	32160	0.66%	0.016%
273	16.787	16.751	16.828	VV	13361	277153	5.66%	0.141%
274	16.847	16.828	16.891	VV	7145	122167	2.49%	0.062%
275	16.947	16.891	16.970	VV	4712	89042	1.82%	0.045%
276	16.997	16.970	17.008	VV	6269	84391	1.72%	0.043%
277	17.021	17.008	17.053	VV	6680	93247	1.90%	0.047%
278	17.096	17.053	17.124	VV	792	20473	0.42%	0.010%
279	17.162	17.124	17.264	VV	3908	95081	1.94%	0.048%
280	17.308	17.264	17.363	VV	14541	237510	4.85%	0.120%
281	17.397	17.363	17.421	VV	7913	116657	2.38%	0.059%
282	17.438	17.421	17.461	VV	2021	29456	0.60%	0.015%
283	17.479	17.461	17.544	VV	805	31428	0.64%	0.016%
284	17.554	17.544	17.588	VV	665	7472	0.15%	0.004%
285	17.621	17.588	17.631	PV	548	8002	0.16%	0.004%
286	17.637	17.631	17.655	VV	401	4640	0.09%	0.002%
287	17.675	17.655	17.698	VV	562	8606	0.18%	0.004%
288	17.763	17.698	17.789	VV	3153	58843	1.20%	0.030%
289	17.834	17.789	17.864	VV	4380	79550	1.62%	0.040%
290	17.924	17.864	17.964	VV	5312	119697	2.44%	0.061%
291	18.015	17.964	18.030	VV	1250	42564	0.87%	0.022%
292	18.070	18.030	18.098	VV	2345	57397	1.17%	0.029%
293	18.193	18.098	18.234	VV	22520	523143	10.68%	0.265%

294	18.259	18.234	18.294	VV	11190	207974	4.25%	0.106%
295	18.383	18.294	18.444	VV	4577	219891	4.49%	0.112%
296	18.472	18.444	18.501	VV	4992	89645	1.83%	0.045%
297	18.521	18.501	18.535	VV	1670	31010	0.63%	0.016%
298	18.552	18.535	18.570	VV	1794	33937	0.69%	0.017%
299	18.608	18.570	18.628	VV	2966	71028	1.45%	0.036%
300	18.664	18.628	18.688	VV	5956	140034	2.86%	0.071%
301	18.699	18.688	18.733	VV	3482	67377	1.38%	0.034%
302	18.771	18.733	18.814	VV	5919	172464	3.52%	0.087%
303	18.839	18.814	18.858	VV	3455	76578	1.56%	0.039%
304	18.882	18.858	18.924	VV	3261	101952	2.08%	0.052%
305	18.959	18.924	18.984	VV	4023	114937	2.35%	0.058%
306	19.025	18.984	19.052	VV	19338	417530	8.52%	0.212%
307	19.075	19.052	19.114	VV	14607	325801	6.65%	0.165%
308	19.156	19.114	19.188	VV	5237	184328	3.76%	0.094%
309	19.210	19.188	19.238	VV	7571	155820	3.18%	0.079%
310	19.267	19.238	19.290	VV	4412	118006	2.41%	0.060%
311	19.325	19.290	19.344	VV	5262	145153	2.96%	0.074%
312	19.364	19.344	19.404	VV	4816	142937	2.92%	0.073%
313	19.453	19.404	19.477	VV	5894	190449	3.89%	0.097%
314	19.493	19.477	19.508	VV	4800	81668	1.67%	0.041%
315	19.525	19.508	19.541	VV	5140	94969	1.94%	0.048%
316	19.561	19.541	19.595	VV	6269	160495	3.28%	0.081%
317	19.631	19.595	19.672	VV	6554	216136	4.41%	0.110%
318	19.701	19.672	19.714	VV	5241	117630	2.40%	0.060%
319	19.743	19.714	19.771	VV	5886	175455	3.58%	0.089%

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320	19.804	19.771	19.851	VV	8254	305500	6.24%	0.155%
321	19.866	19.851	19.896	VV	5063	127421	2.60%	0.065%
322	19.923	19.896	19.950	VV	4906	144614	2.95%	0.073%
323	20.010	19.950	20.034	VV	6208	251418	5.13%	0.128%
324	20.054	20.034	20.064	VV	5347	87840	1.79%	0.045%
325	20.099	20.064	20.138	VV	8691	271164	5.54%	0.138%
326	20.154	20.138	20.165	VV	4700	73407	1.50%	0.037%
327	20.198	20.165	20.224	VV	5794	184202	3.76%	0.093%
328	20.245	20.224	20.271	VV	4936	133097	2.72%	0.068%
329	20.309	20.271	20.333	VV	5332	186362	3.80%	0.095%
330	20.361	20.333	20.397	VV	7899	227550	4.65%	0.115%
331	20.484	20.397	20.598	VV	8920	845329	17.26%	0.429%
332	20.605	20.598	20.613	VV	5241	46592	0.95%	0.024%
333	20.626	20.613	20.648	VV	5249	106324	2.17%	0.054%
334	20.672	20.648	20.724	VV	5033	207438	4.24%	0.105%
335	20.749	20.724	20.850	VV	4233	288653	5.89%	0.146%
336	20.869	20.850	20.920	VV	3814	147153	3.00%	0.075%
337	20.961	20.920	21.004	VV	3894	179223	3.66%	0.091%
338	21.023	21.004	21.122	VV	3324	209228	4.27%	0.106%
339	21.168	21.122	21.213	VV	3315	155677	3.18%	0.079%
340	21.226	21.213	21.243	VV	2598	46141	0.94%	0.023%
341	21.269	21.243	21.334	VV	2609	132334	2.70%	0.067%
342	21.351	21.334	21.378	VV	2348	61343	1.25%	0.031%
343	21.424	21.378	21.538	VV	3173	250275	5.11%	0.127%
344	21.555	21.538	21.581	VV	2048	50026	1.02%	0.025%
345	21.616	21.581	21.648	VV	1862	72098	1.47%	0.037%

346	21.659	21.648	21.728	VV	1826	69479	1.42%	0.035%
347	21.758	21.728	21.805	VV	1686	63270	1.29%	0.032%
348	21.838	21.805	21.870	VV	1437	47989	0.98%	0.024%
349	21.939	21.870	21.978	VV	1477	74981	1.53%	0.038%
350	21.988	21.978	22.067	VV	866	30872	0.63%	0.016%
351	22.104	22.067	22.124	VV	464	13464	0.27%	0.007%
352	22.197	22.124	22.246	VV	1200	52036	1.06%	0.026%
353	22.253	22.246	22.266	VV	268	2709	0.06%	0.001%
354	22.285	22.266	22.292	VV	229	3246	0.07%	0.002%
355	22.299	22.292	22.332	VV	220	3360	0.07%	0.002%
356	22.369	22.332	22.398	VV	167	3866	0.08%	0.002%

Sum of corrected areas: 197118249

Aliphatic EPH 061825.M Wed Jun 25 01:23:09 2025

CALIBRATION SUMMARY

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

Inital 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	

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

Inital 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	

Quantitation Report (QT Reviewed)

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

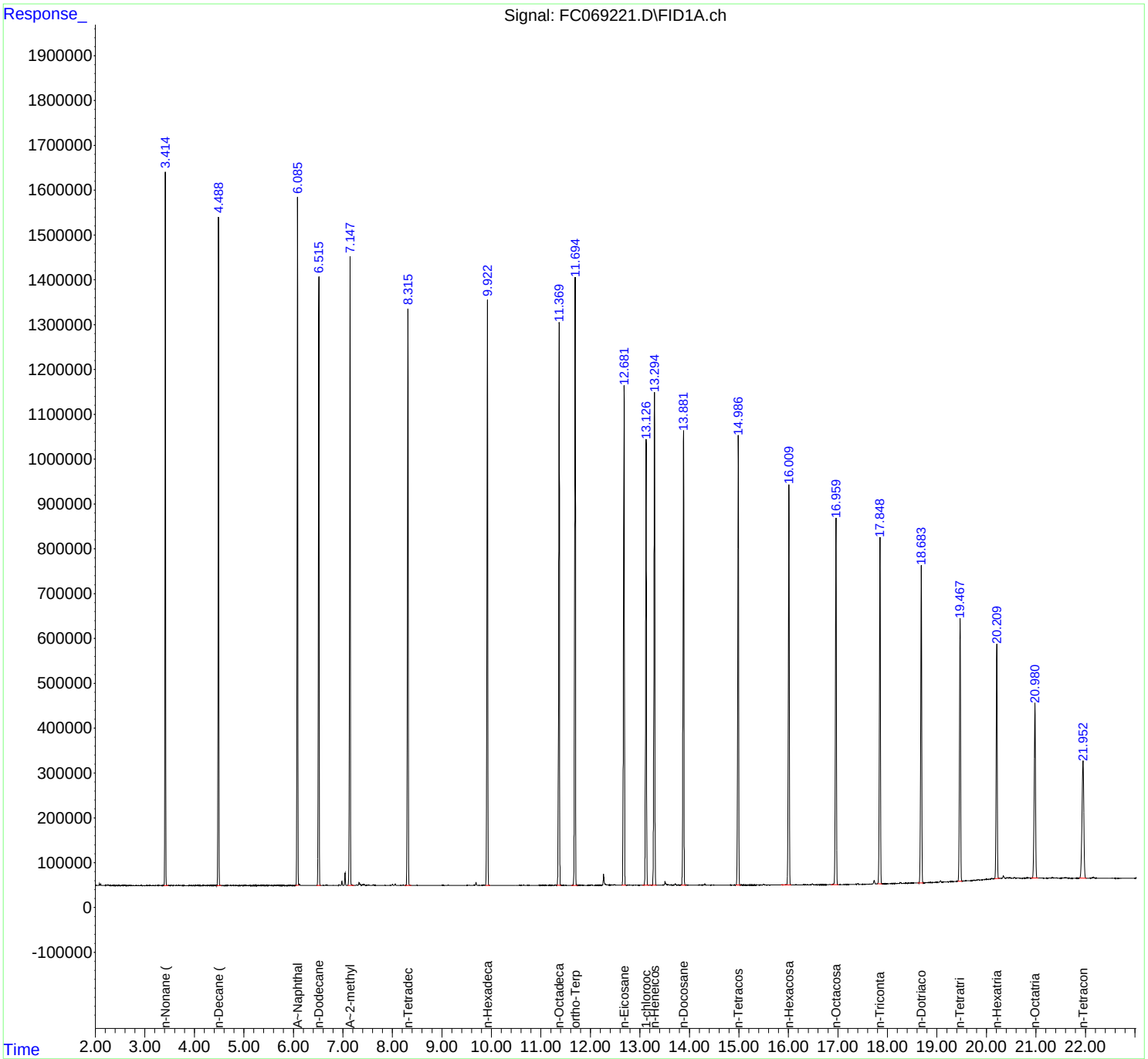
(f)=RT Delta > 1/2 Window (m)=manual int.

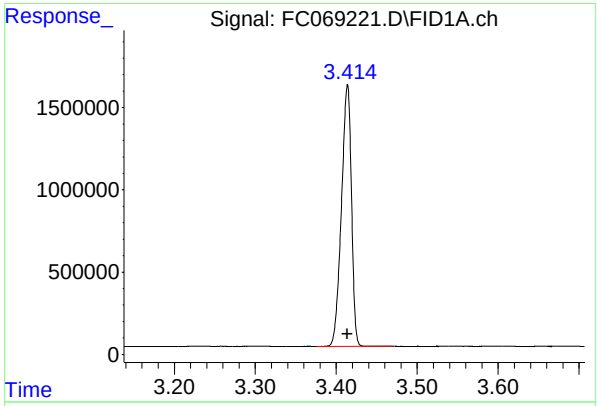
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069221.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 11:17
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

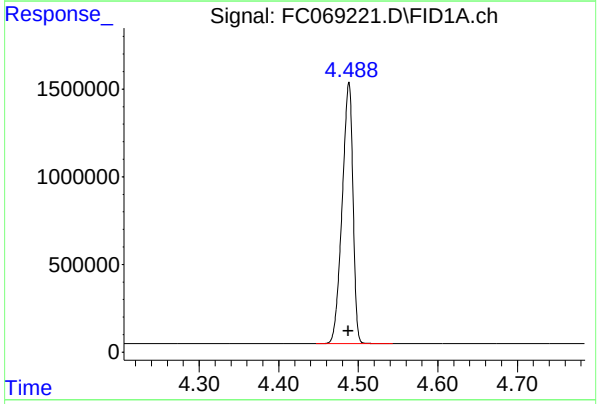




#1 n-Nonane (C9)

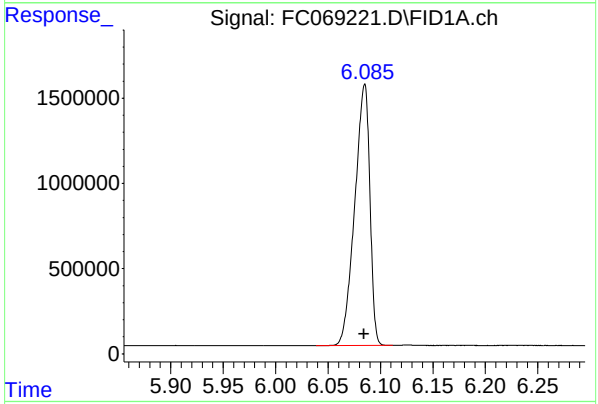
R.T.: 3.414 min
Delta R.T.: 0.000 min
Response: 13645652
Conc: 99.31 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



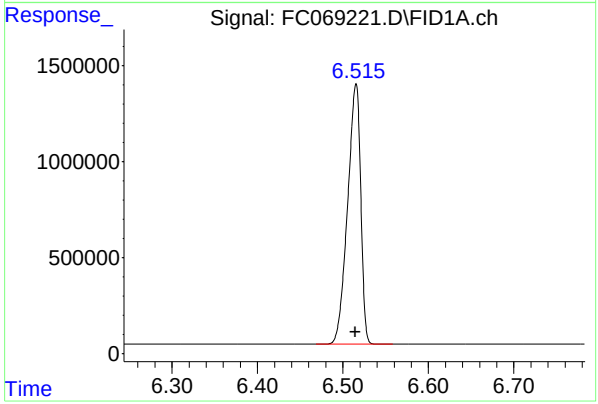
#2 n-Decane (C10)

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



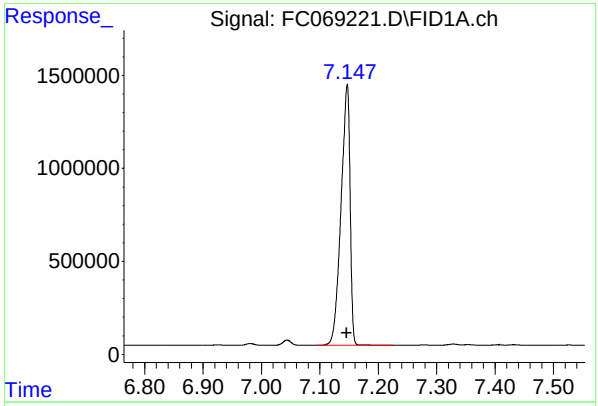
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

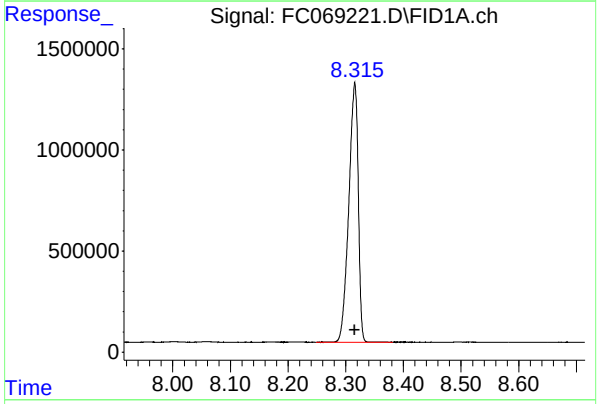
R.T.: 6.515 min
Delta R.T.: 0.000 min
Response: 14484449
Conc: 98.89 ug/ml



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

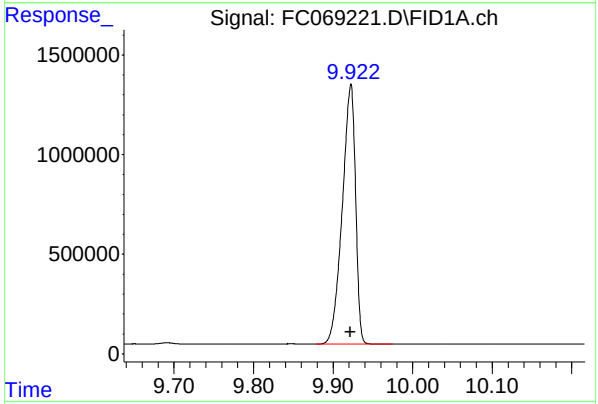
R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 15098330
Conc: 98.80 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



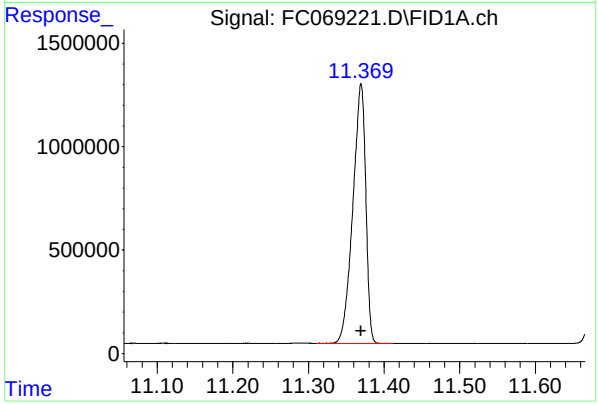
#6 n-Tetradecane (C14)

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



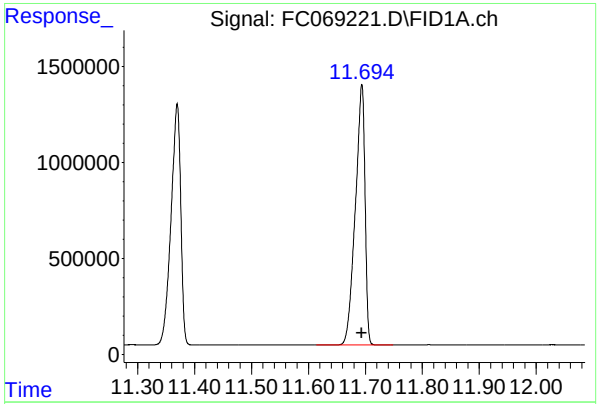
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

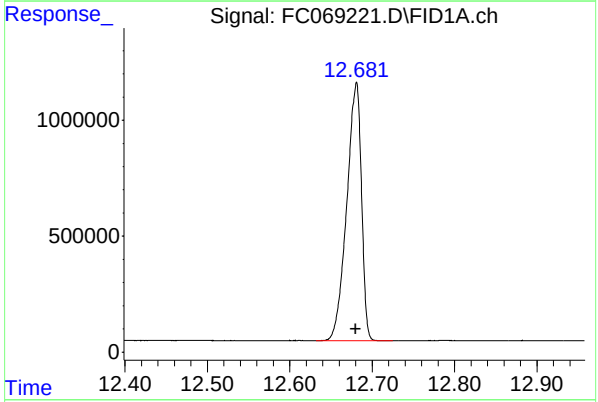
R.T.: 11.369 min
Delta R.T.: 0.000 min
Response: 14862064
Conc: 96.16 ug/ml



#9 ortho-Terphenyl (SURR)

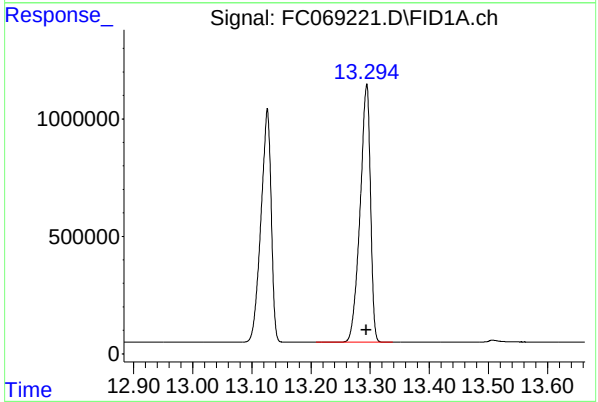
R.T.: 11.693 min
Delta R.T.: 0.000 min
Response: 15986001
Conc: 97.18 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



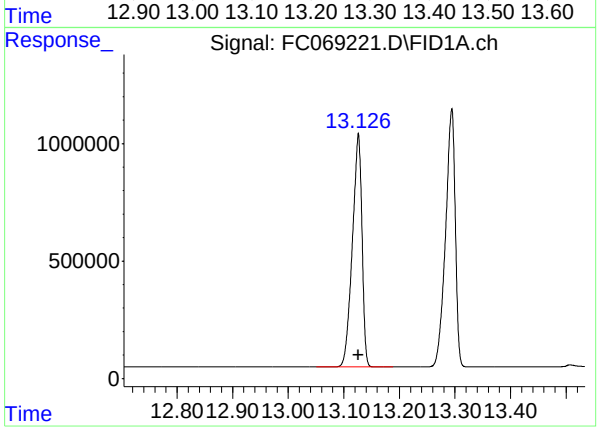
#10 n-Eicosane (C20)

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



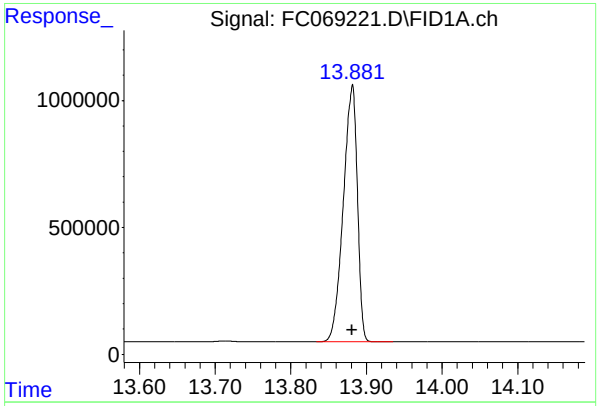
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

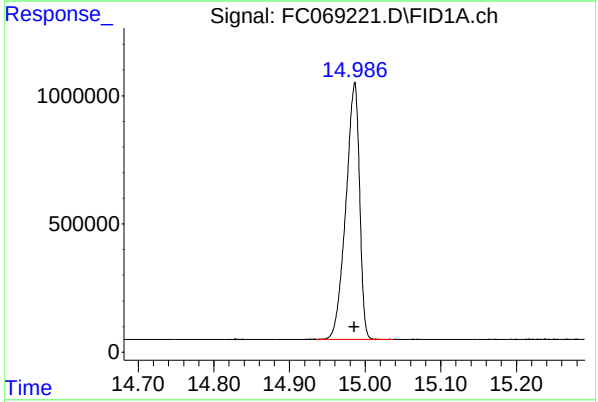
R.T.: 13.126 min
Delta R.T.: 0.000 min
Response: 11916196
Conc: 96.43 ug/ml



#13 n-Docosane (C22)

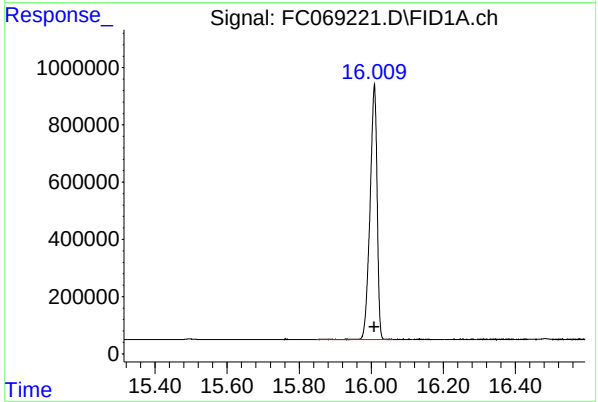
R.T.: 13.881 min
Delta R.T.: 0.000 min
Response: 13057210
Conc: 96.17 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



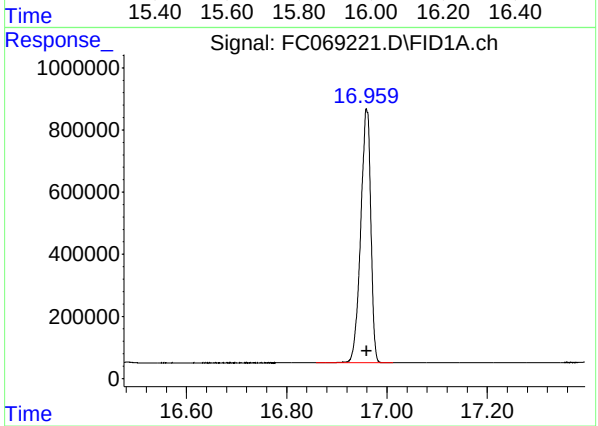
#14 n-Tetracosane (C24)

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



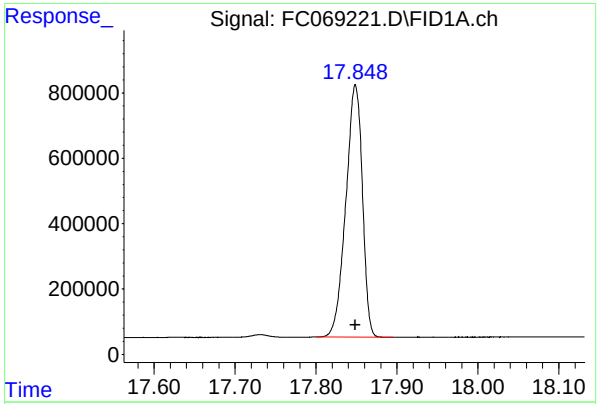
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

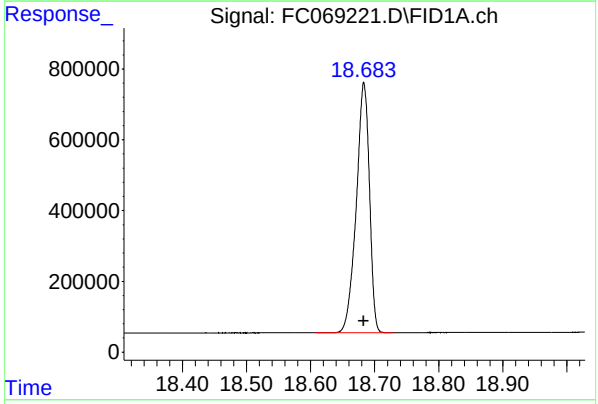
R.T.: 16.960 min
Delta R.T.: 0.000 min
Response: 11408319
Conc: 97.34 ug/ml



#17 n-Tricontane (C30)

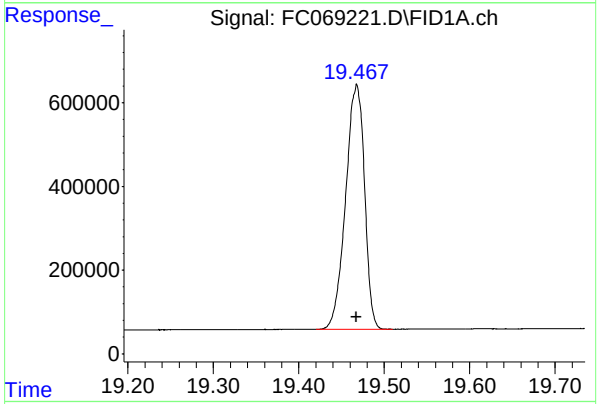
R.T.: 17.849 min
Delta R.T.: 0.000 min
Response: 10984628
Conc: 97.40 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



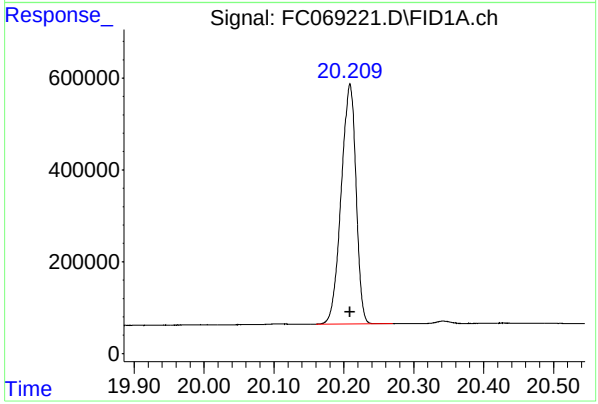
#18 n-Dotriacontane (C32)

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



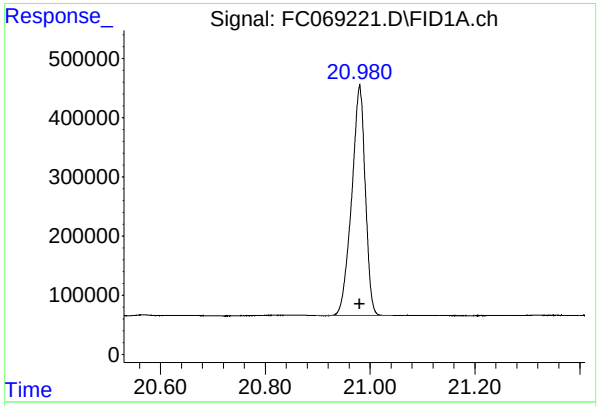
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

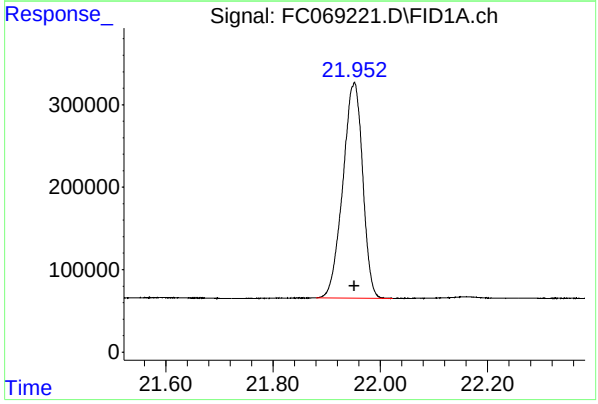
R.T.: 20.209 min
Delta R.T.: 0.000 min
Response: 7711070
Conc: 98.56 ug/ml



#21 n-Octatriacontane (C38)

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

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

Quantitation Report (QT Reviewed)

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.

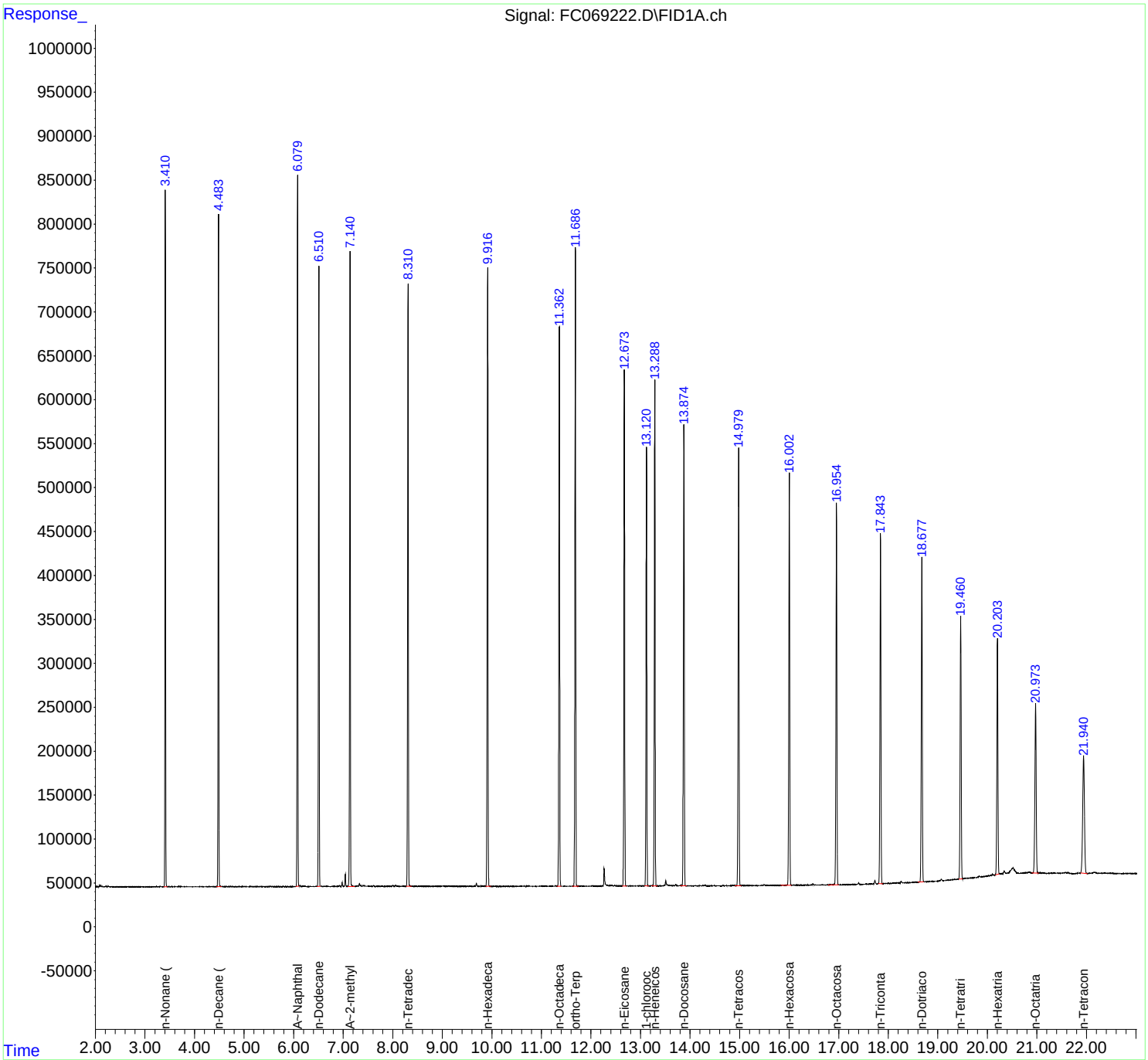
Quantitation Report (QT Reviewed)

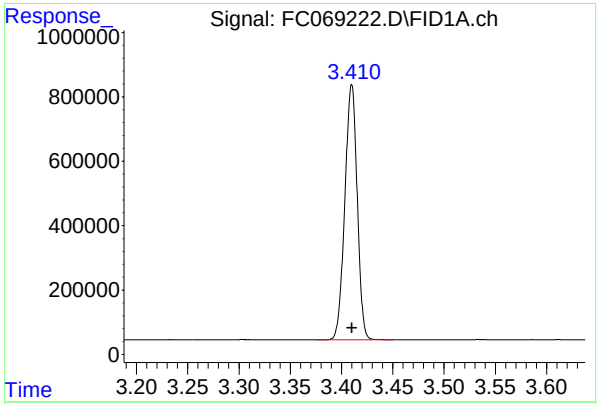
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069222.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 11:58
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

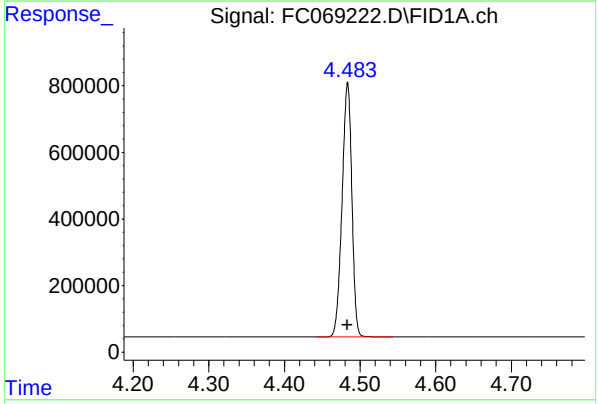




#1 n-Nonane (C9)

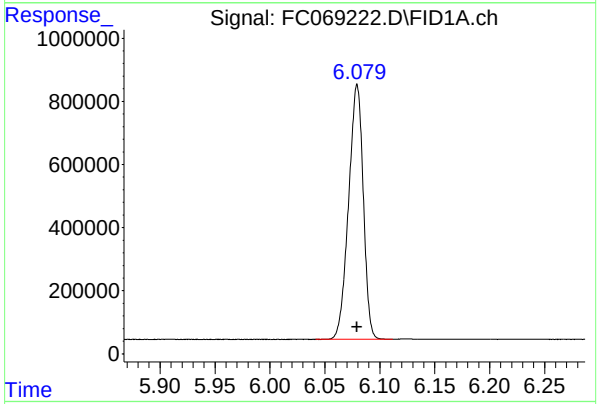
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 6643725
Conc: 48.89 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



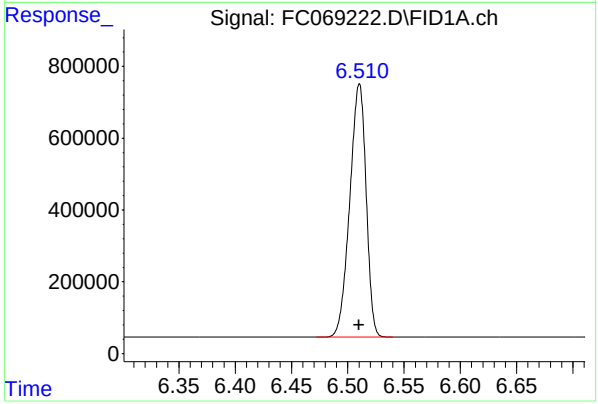
#2 n-Decane (C10)

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



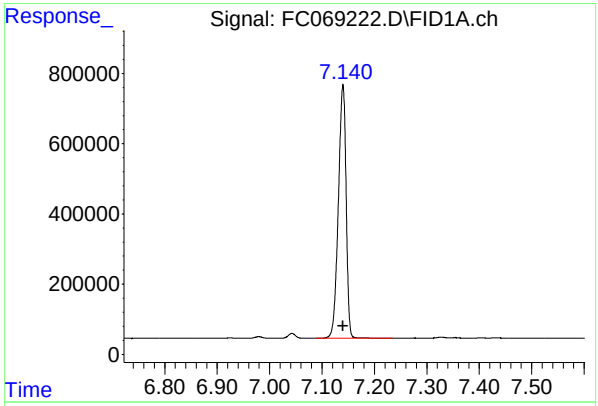
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

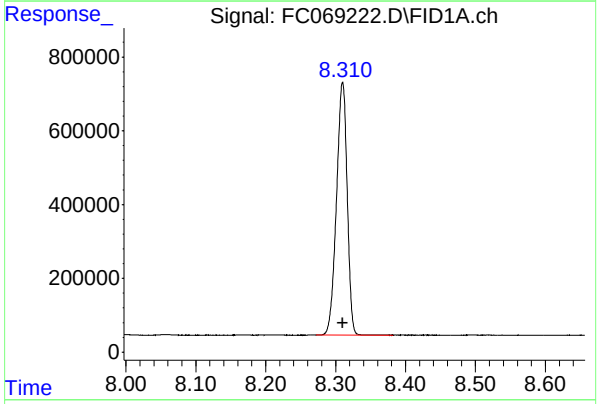
R.T.: 6.510 min
Delta R.T.: 0.000 min
Response: 7130717
Conc: 49.11 ug/ml



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

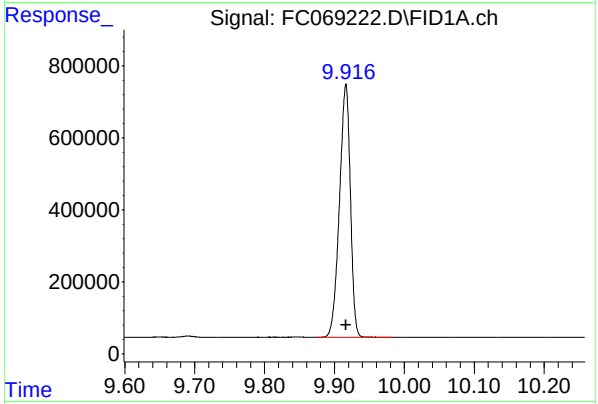
R.T.: 7.140 min
Delta R.T.: 0.000 min
Response: 7422117
Conc: 49.04 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



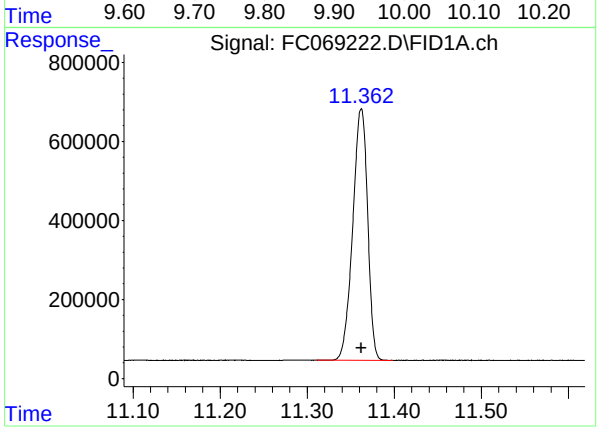
#6 n-Tetradecane (C14)

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



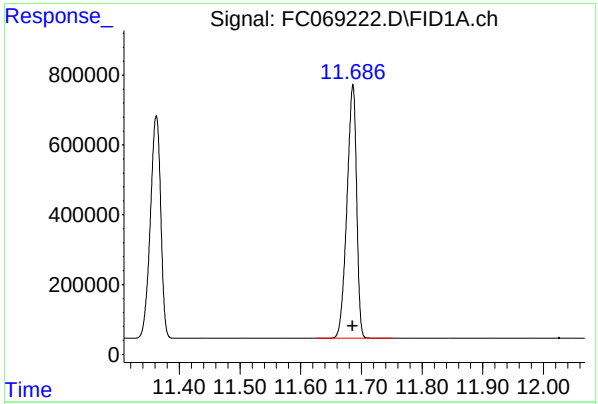
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

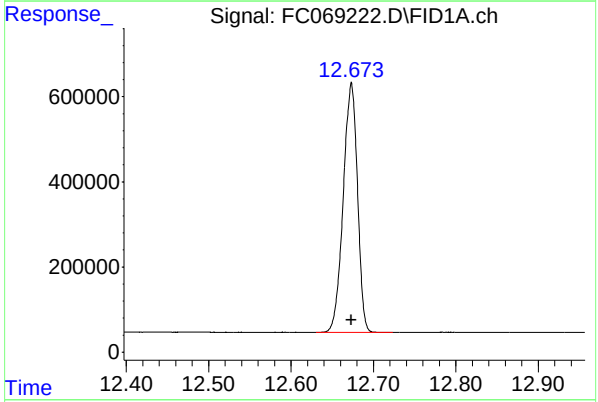
R.T.: 11.362 min
Delta R.T.: 0.000 min
Response: 7565304
Conc: 49.29 ug/ml



#9 ortho-Terphenyl (SURR)

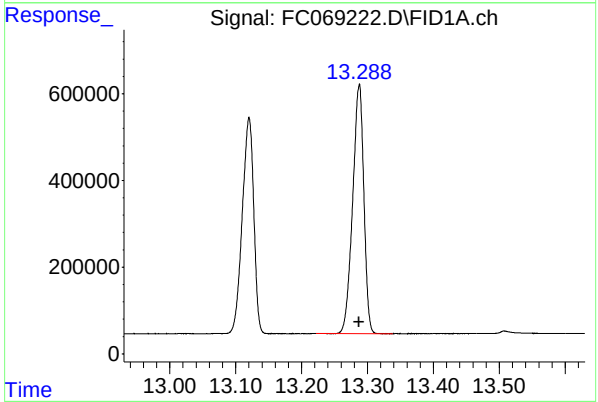
R.T.: 11.686 min
Delta R.T.: 0.000 min
Response: 8035113
Conc: 49.22 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



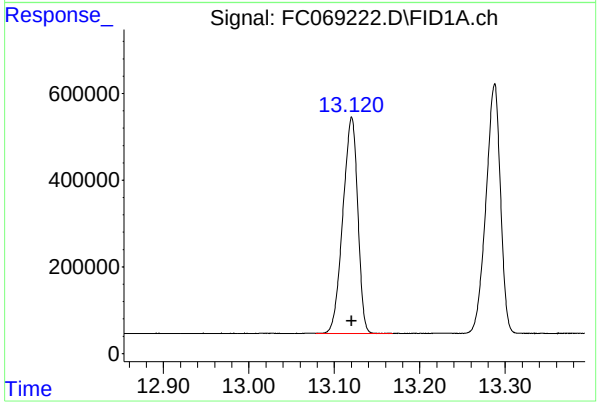
#10 n-Eicosane (C20)

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



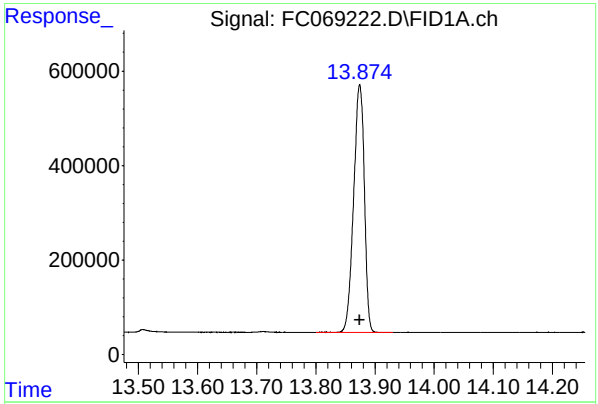
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

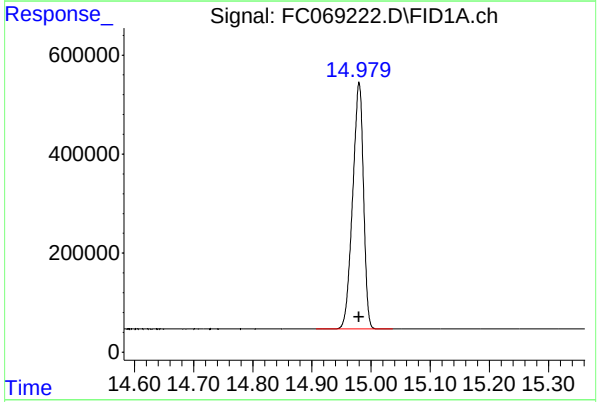
R.T.: 13.120 min
Delta R.T.: 0.000 min
Response: 6029490
Conc: 49.19 ug/ml



#13 n-Docosane (C22)

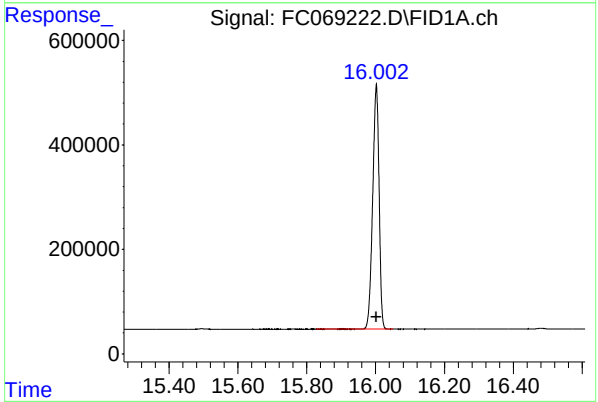
R.T.: 13.874 min
Delta R.T.: 0.000 min
Response: 6604673
Conc: 49.09 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



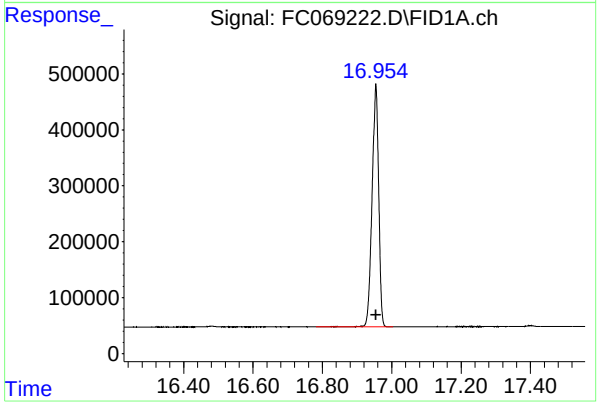
#14 n-Tetracosane (C24)

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



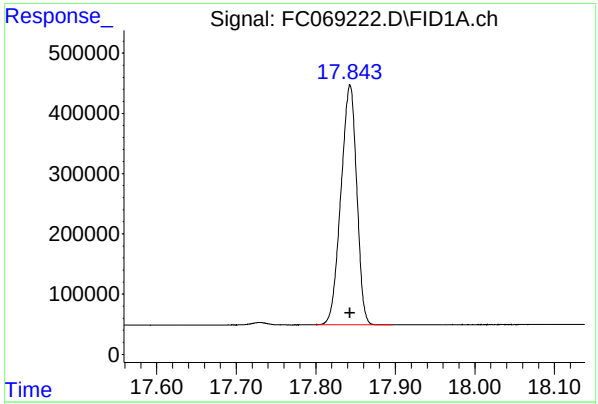
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

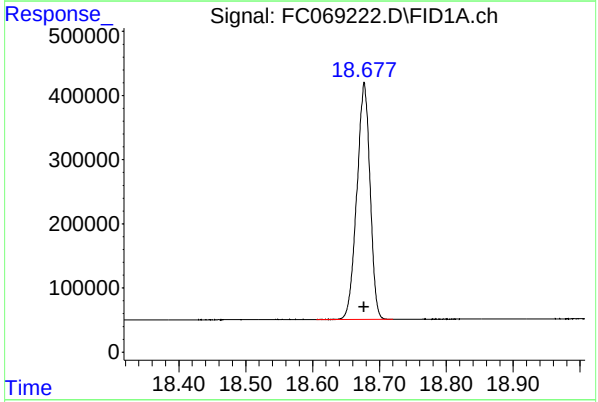
R.T.: 16.954 min
Delta R.T.: 0.000 min
Response: 5708418
Conc: 49.13 ug/ml



#17 n-Tricontane (C30)

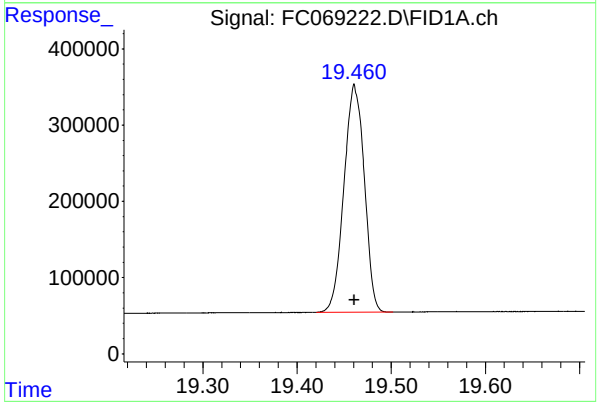
R.T.: 17.843 min
Delta R.T.: 0.000 min
Response: 5495136
Conc: 49.14 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



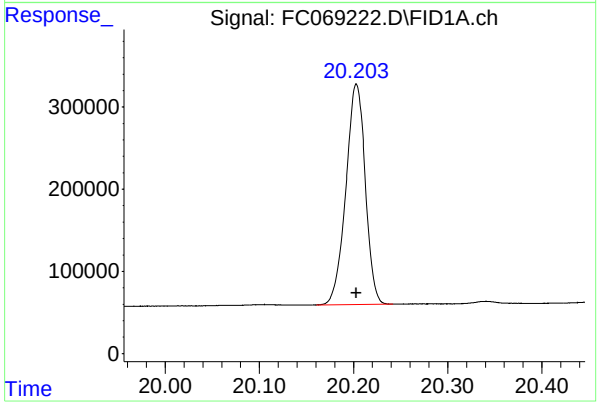
#18 n-Dotriacontane (C32)

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



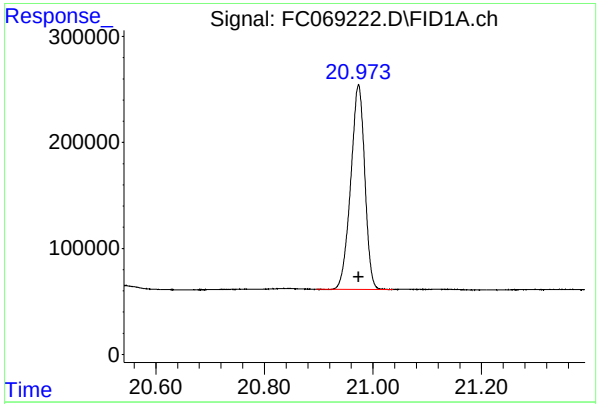
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

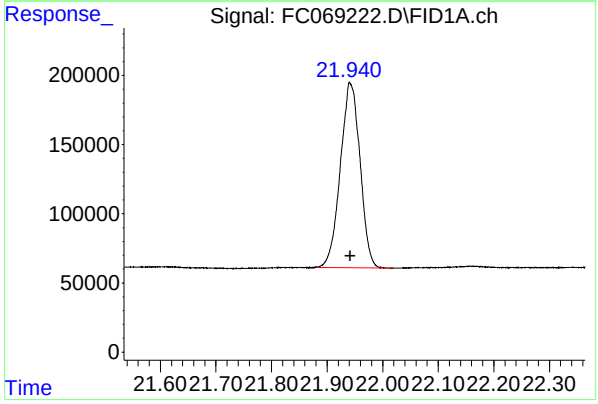
R.T.: 20.203 min
Delta R.T.: 0.000 min
Response: 3834019
Conc: 49.33 ug/ml



#21 n-Octatriacontane (C38)

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

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

Quantitation Report (QT Reviewed)

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.

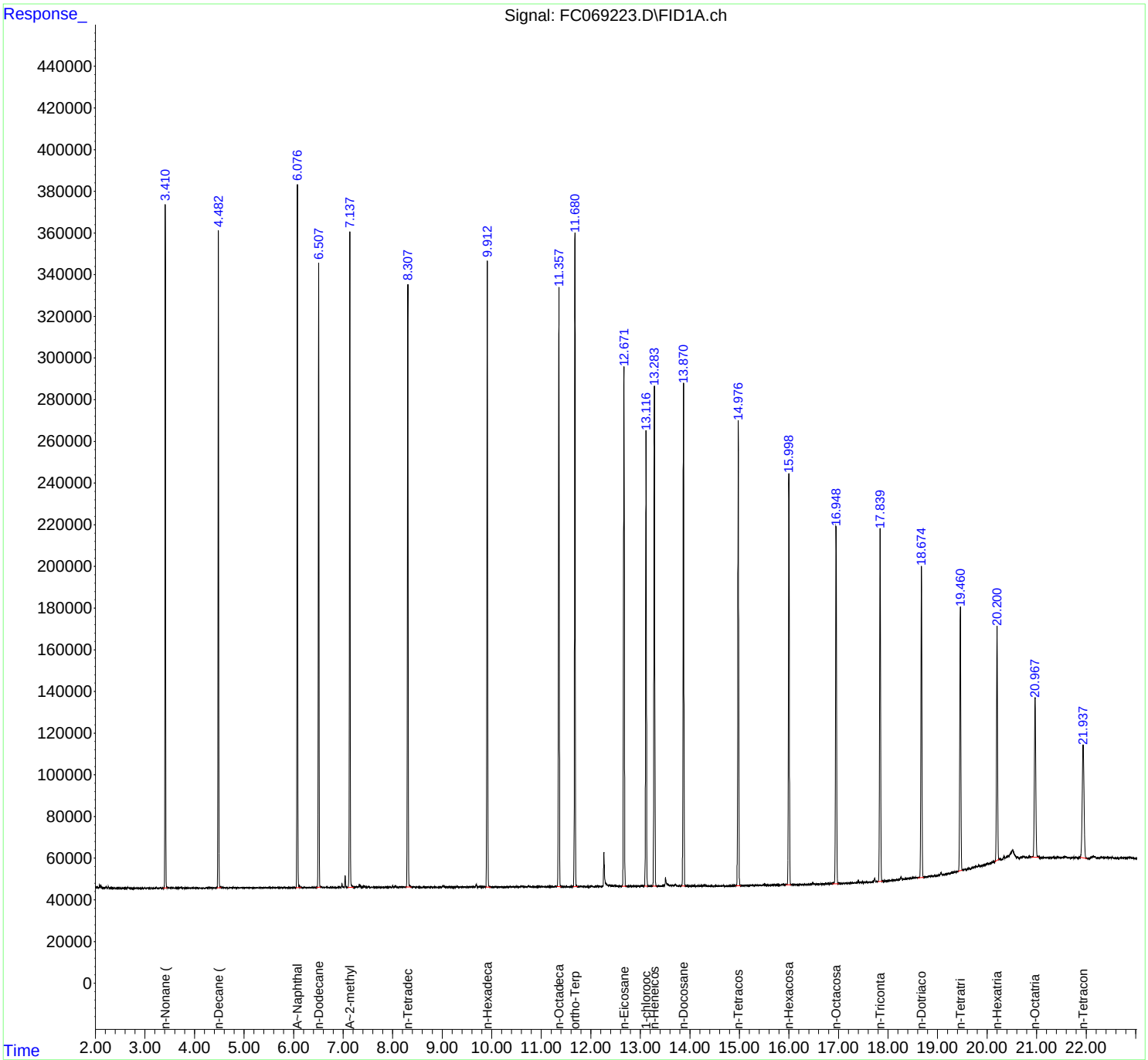
Quantitation Report (QT Reviewed)

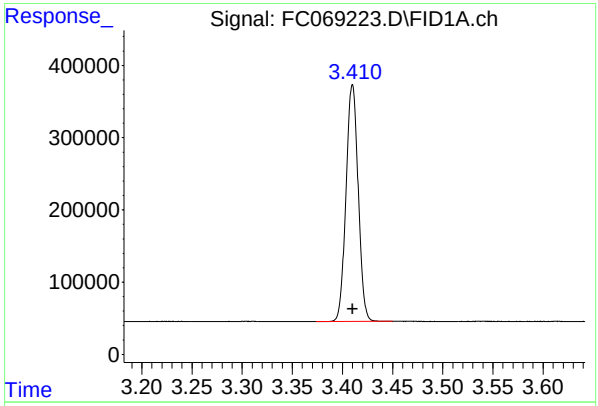
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069223.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 12:39
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

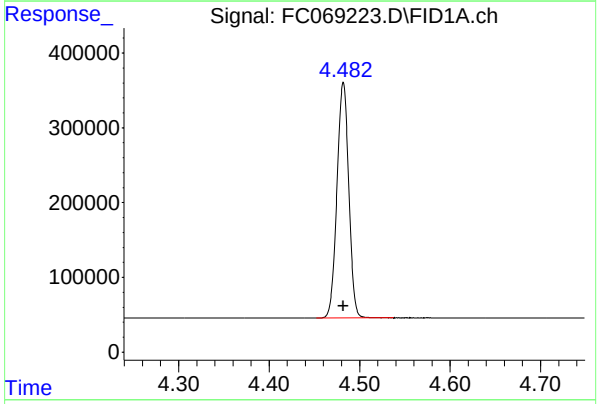




#1 n-Nonane (C9)

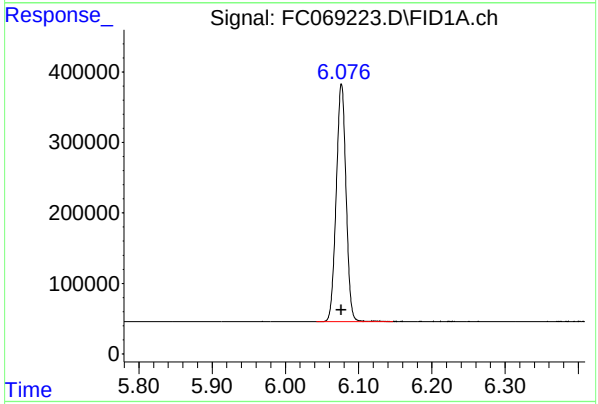
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 2767240
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



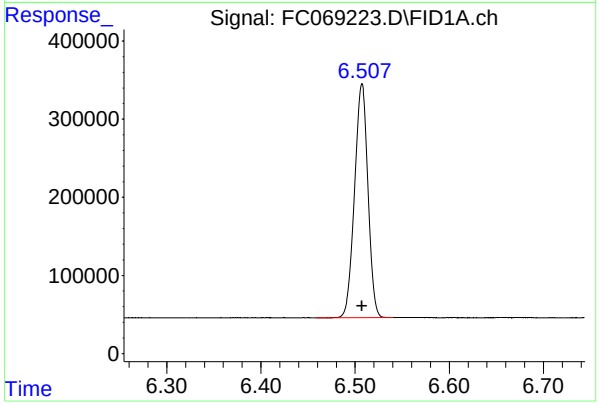
#2 n-Decane (C10)

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



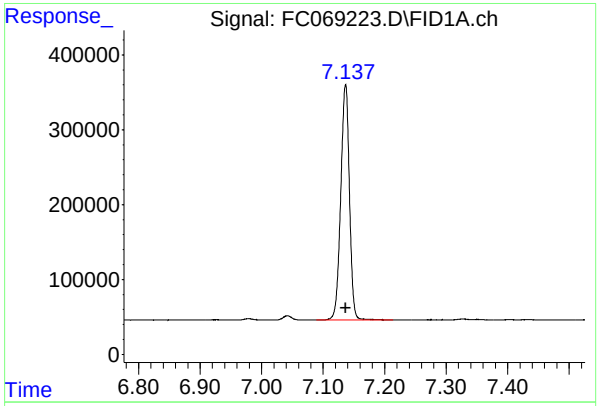
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

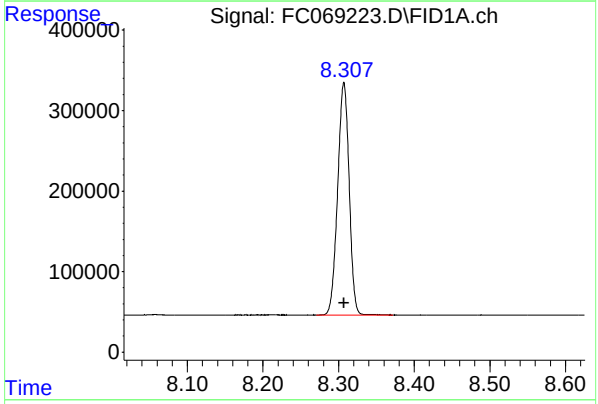
R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 2962169
Conc: 20.00 ug/ml



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

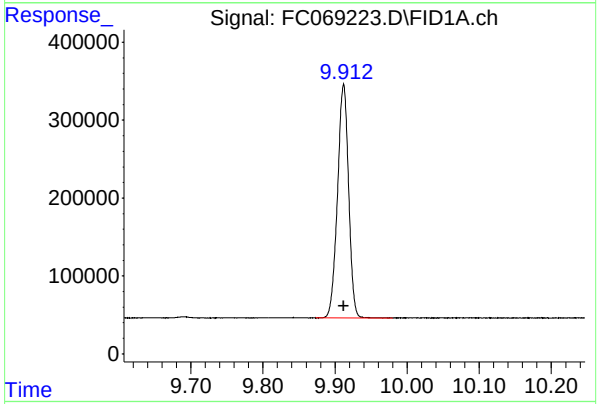
R.T.: 7.136 min
Delta R.T.: 0.000 min
Response: 3092803
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



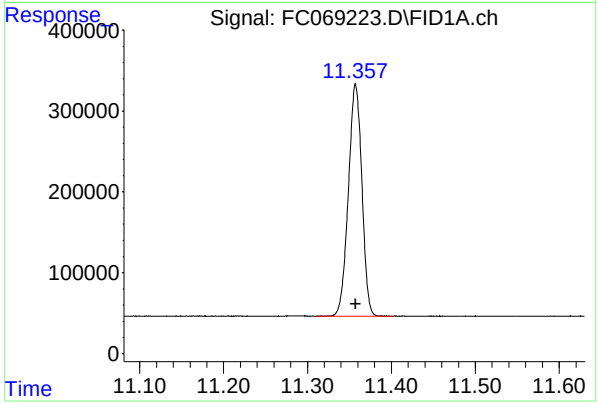
#6 n-Tetradecane (C14)

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



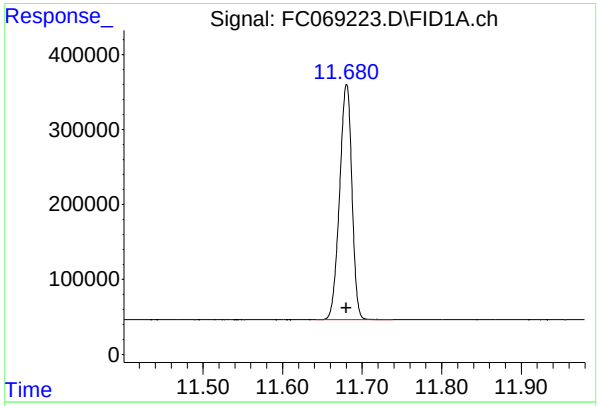
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

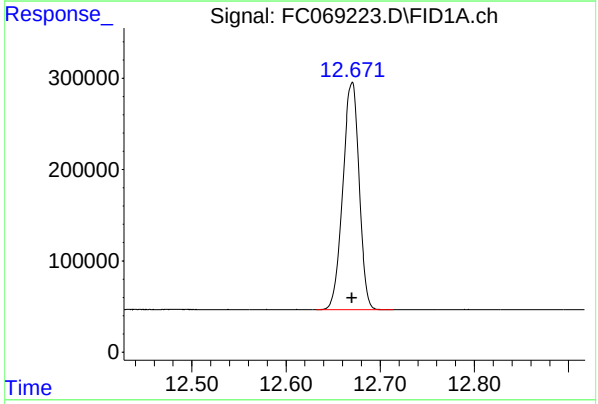
R.T.: 11.357 min
Delta R.T.: 0.000 min
Response: 3209683
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

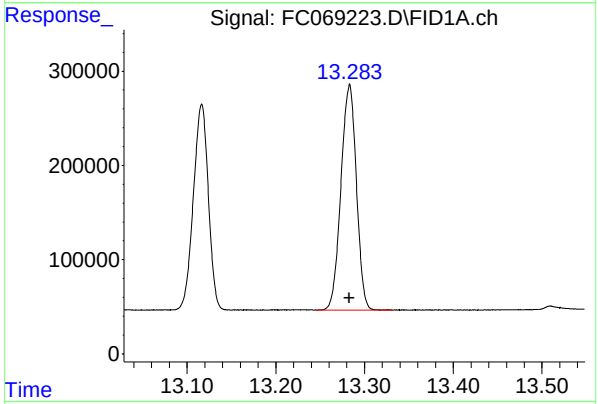
R.T.: 11.680 min
Delta R.T.: 0.000 min
Response: 3382762
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



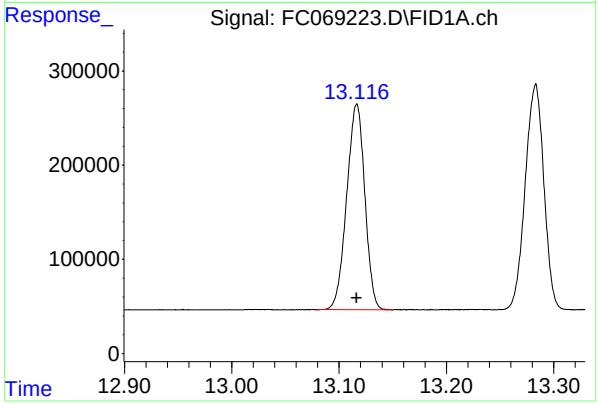
#10 n-Eicosane (C20)

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



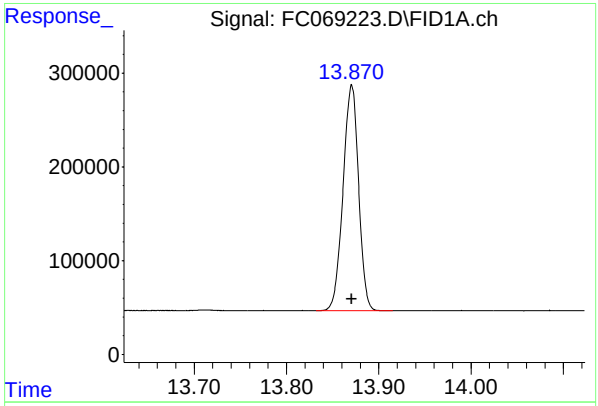
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

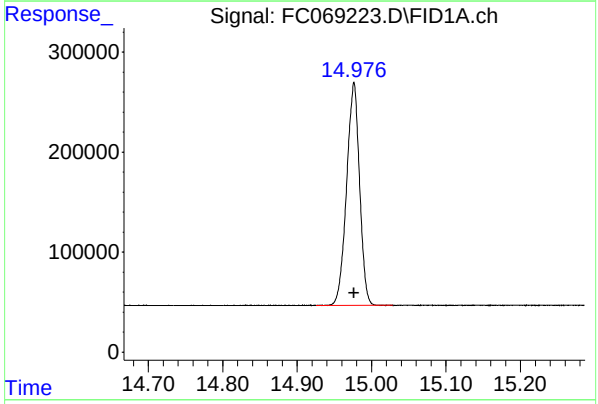
R.T.: 13.116 min
Delta R.T.: 0.000 min
Response: 2559732
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

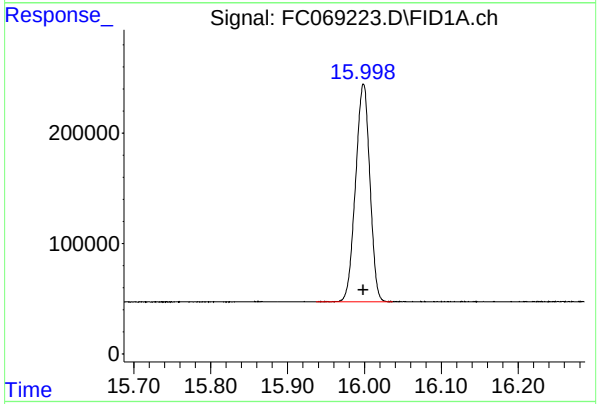
R.T.: 13.871 min
Delta R.T.: 0.000 min
Response: 2819173
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



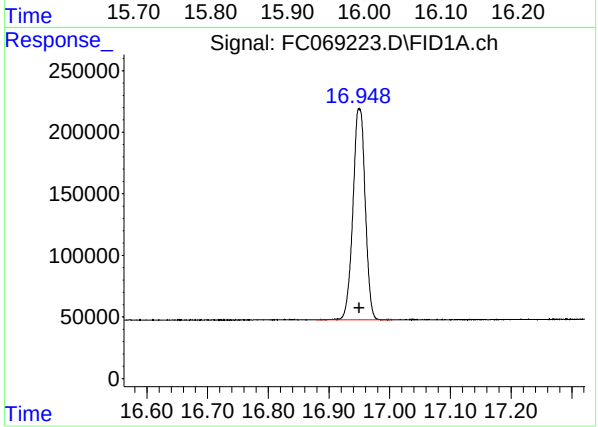
#14 n-Tetracosane (C24)

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



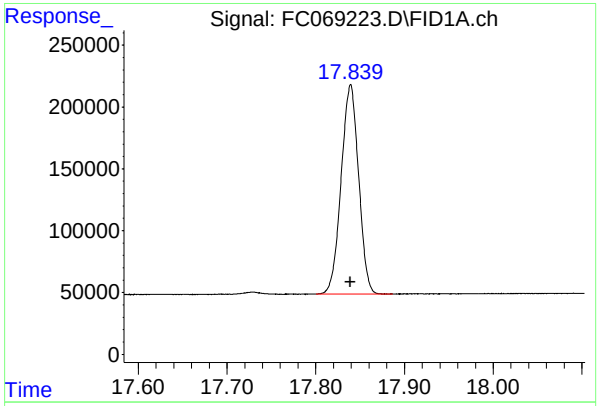
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

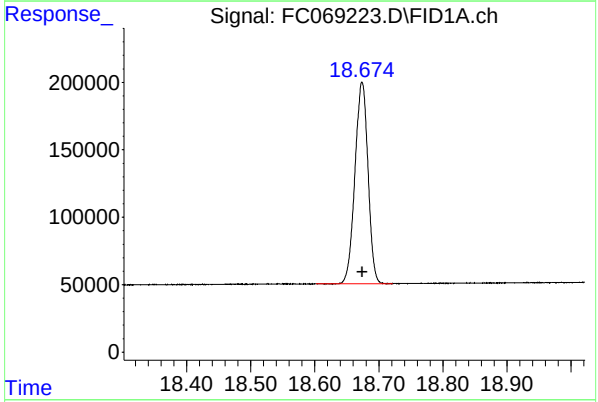
R.T.: 16.950 min
Delta R.T.: 0.000 min
Response: 2406490
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

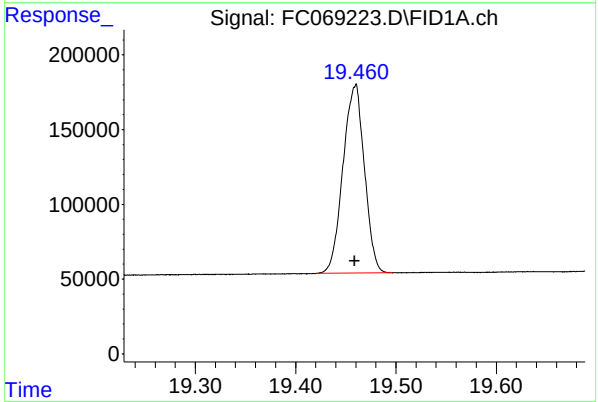
R.T.: 17.839 min
Delta R.T.: 0.000 min
Response: 2314105
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



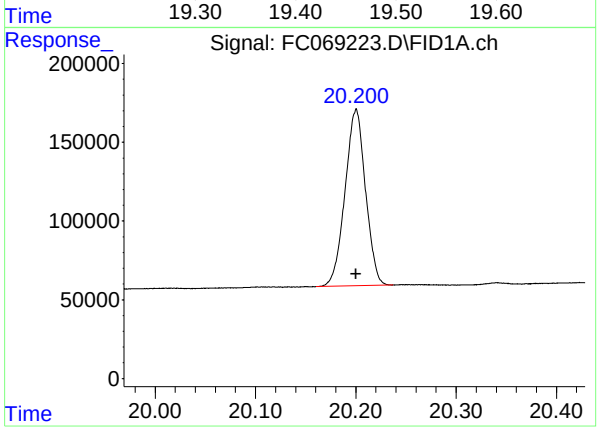
#18 n-Dotriacontane (C32)

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



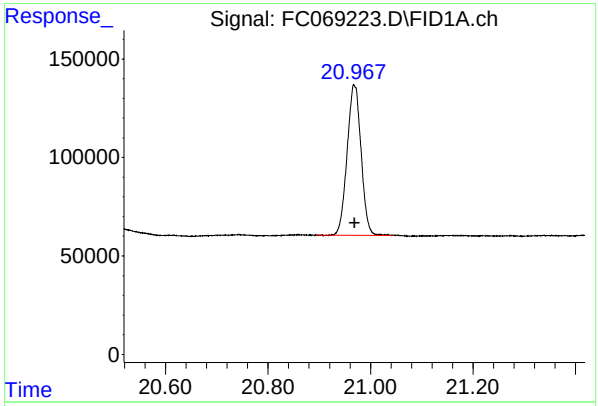
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

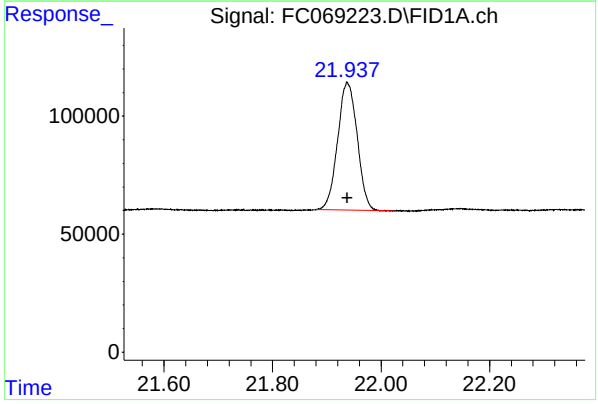
R.T.: 20.200 min
Delta R.T.: 0.000 min
Response: 1587141
Conc: 20.00 ug/ml



#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

Quantitation Report (QT Reviewed)

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.

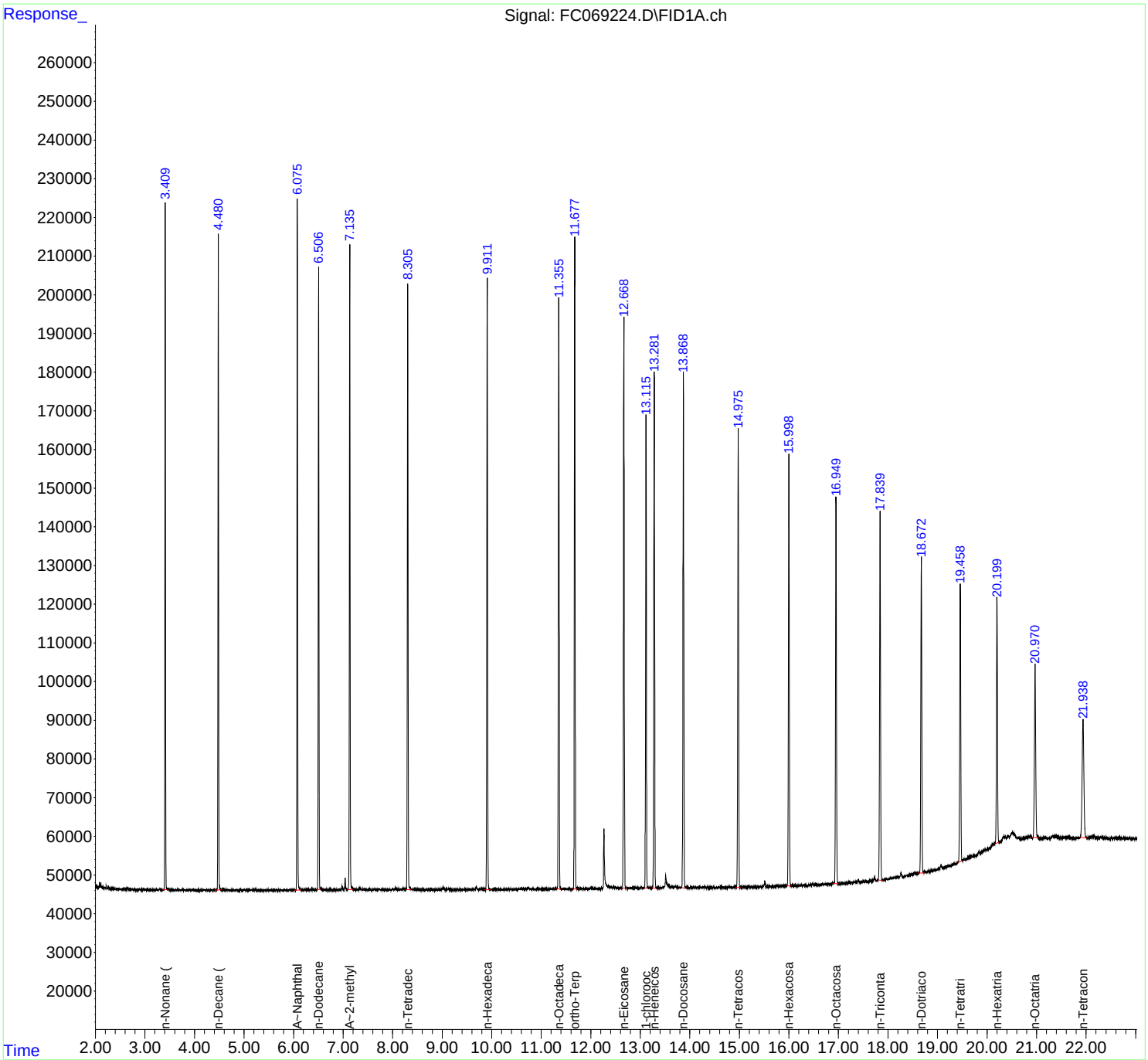
Quantitation Report (QT Reviewed)

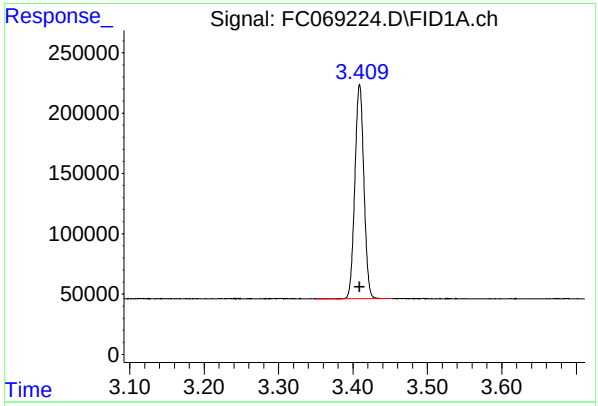
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069224.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 13:20
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

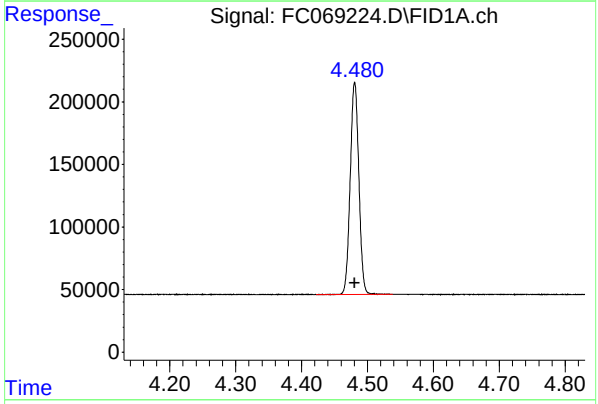




#1 n-Nonane (C9)

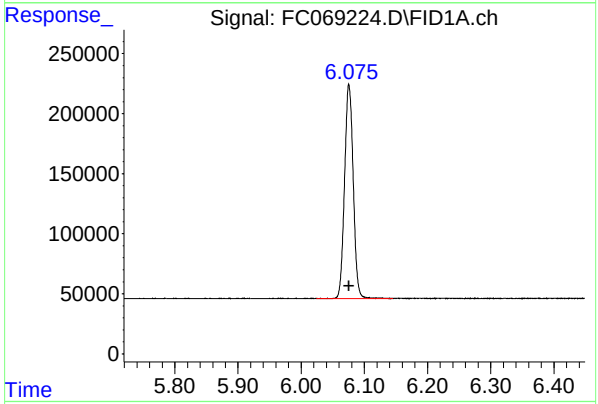
R.T.: 3.409 min
Delta R.T.: 0.000 min
Response: 1496071
Conc: 10.74 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



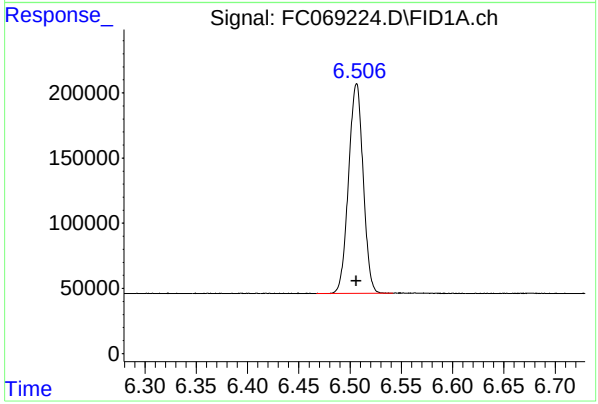
#2 n-Decane (C10)

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



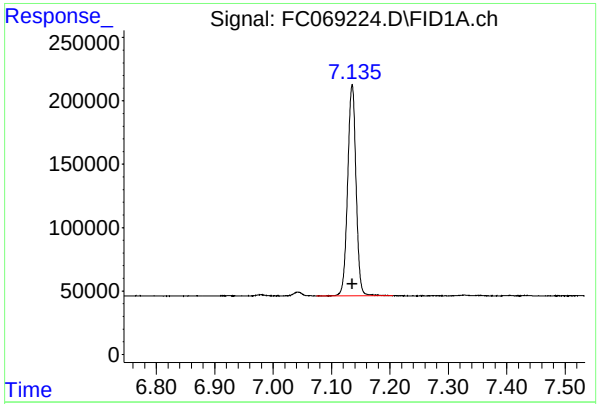
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

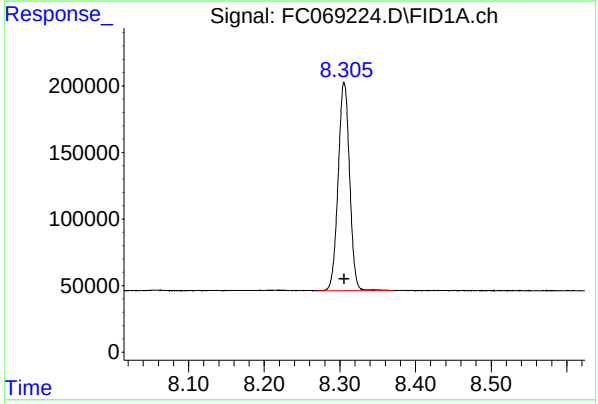
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 1592006
Conc: 10.71 ug/ml



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

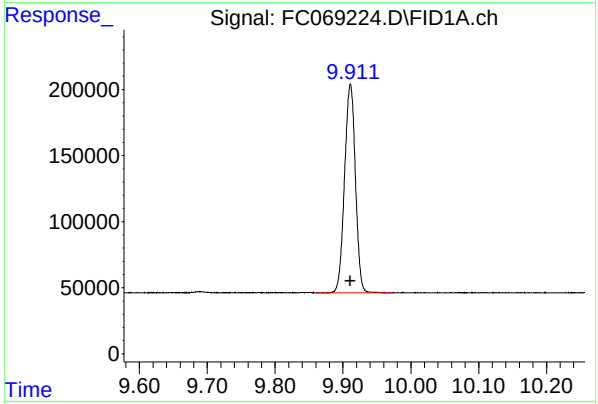
R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 1665892
Conc: 10.74 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



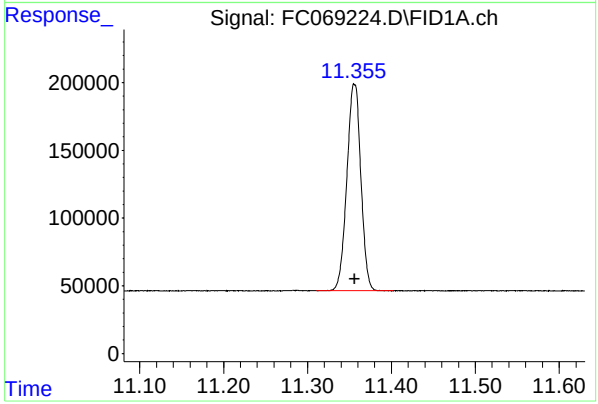
#6 n-Tetradecane (C14)

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



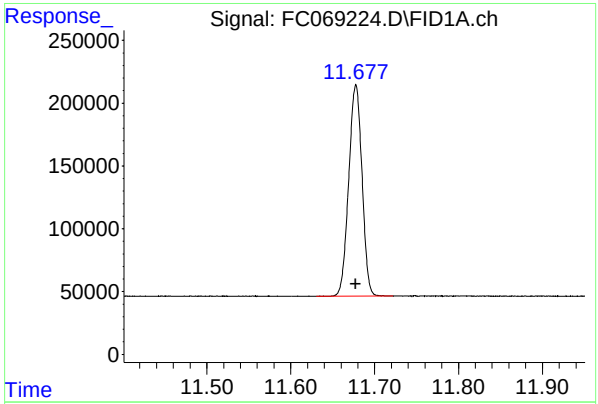
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

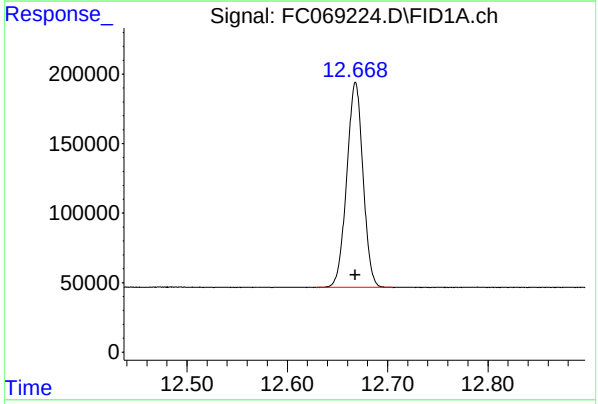
R.T.: 11.356 min
Delta R.T.: 0.000 min
Response: 1771170
Conc: 11.11 ug/ml



#9 ortho-Terphenyl (SURR)

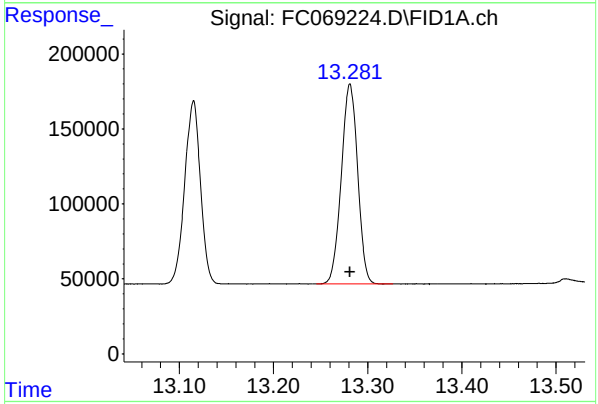
R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 1856143
Conc: 10.99 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



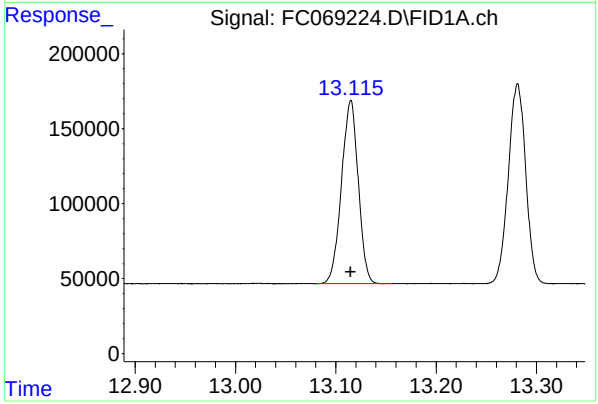
#10 n-Eicosane (C20)

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



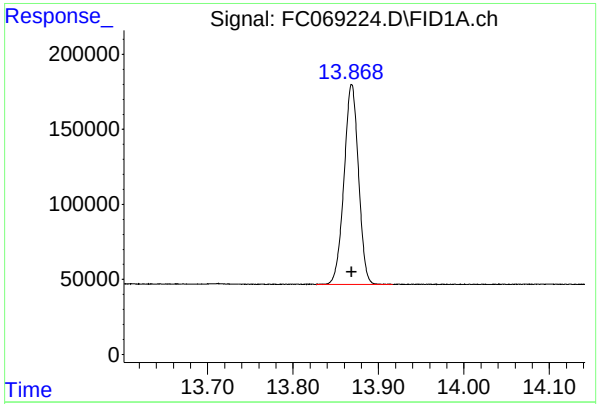
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

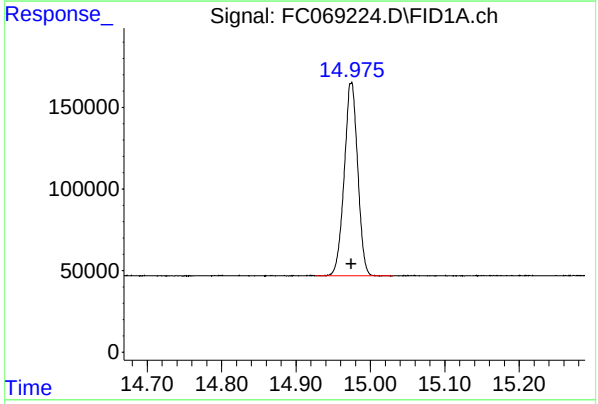
R.T.: 13.115 min
Delta R.T.: 0.000 min
Response: 1417487
Conc: 11.13 ug/ml



#13 n-Docosane (C22)

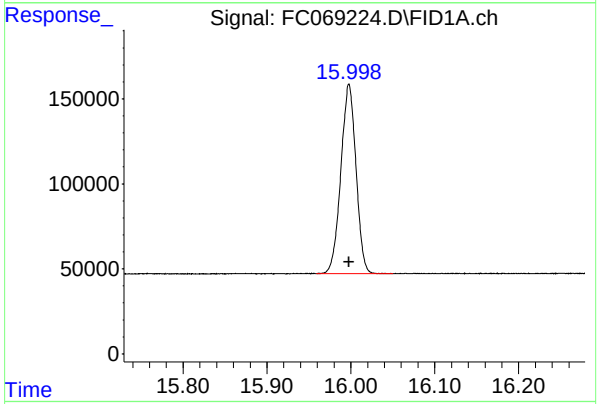
R.T.: 13.869 min
Delta R.T.: 0.000 min
Response: 1565876
Conc: 11.18 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



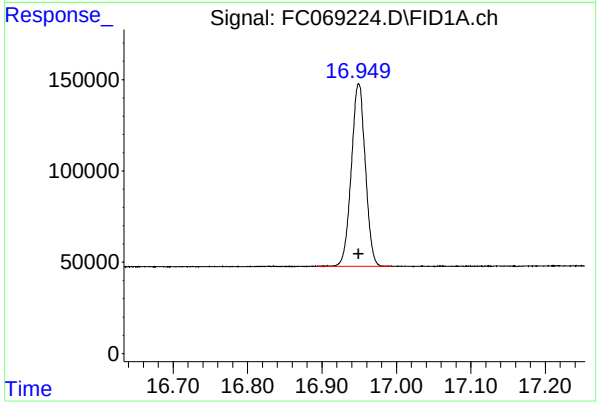
#14 n-Tetracosane (C24)

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



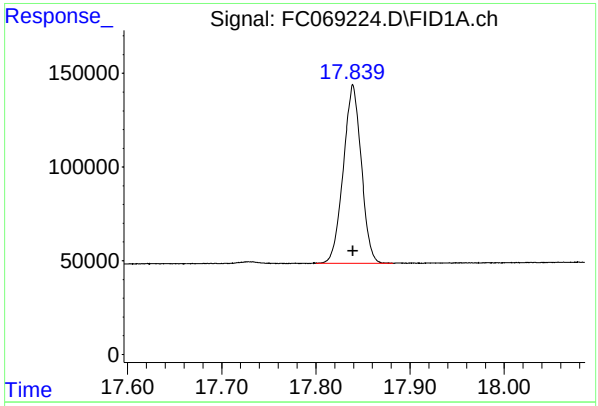
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

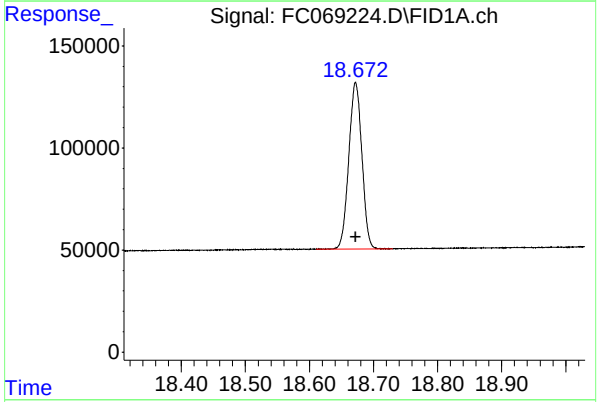
R.T.: 16.949 min
Delta R.T.: 0.000 min
Response: 1308541
Conc: 10.92 ug/ml



#17 n-Tricontane (C30)

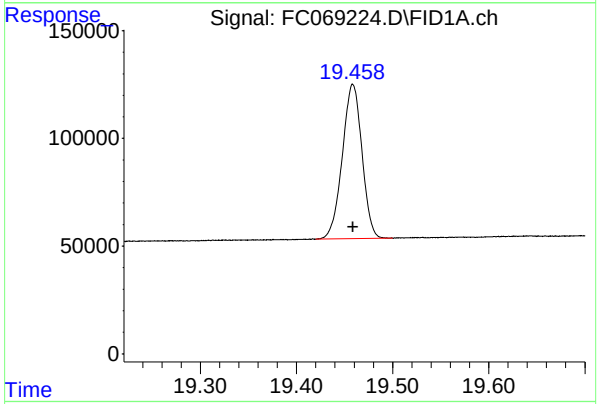
R.T.: 17.839 min
Delta R.T.: 0.000 min
Response: 1257631
Conc: 10.91 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



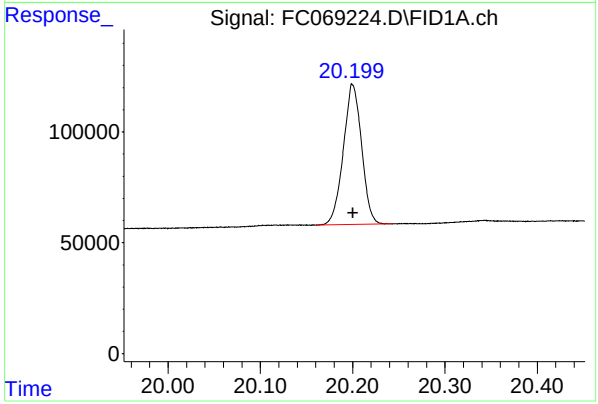
#18 n-Dotriacontane (C32)

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



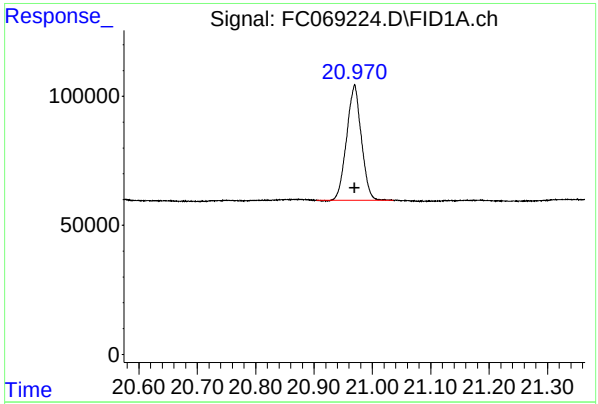
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

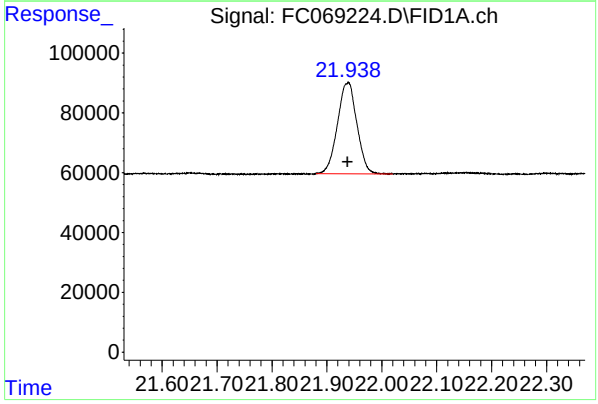
R.T.: 20.200 min
Delta R.T.: 0.000 min
Response: 869747
Conc: 10.87 ug/ml



#21 n-Octatriacontane (C38)

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

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

Quantitation Report (QT Reviewed)

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

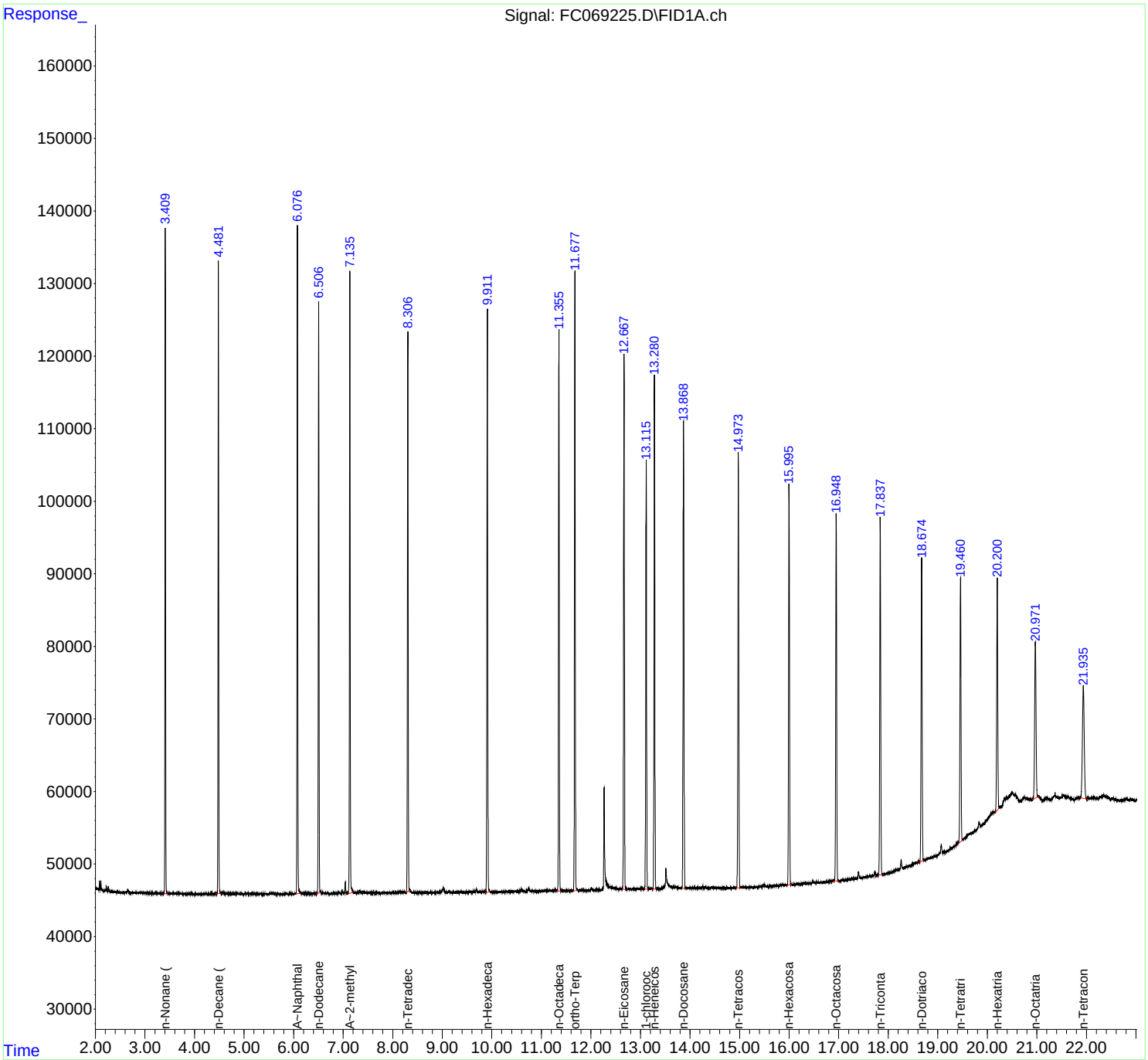
(f)=RT Delta > 1/2 Window (m)=manual int.

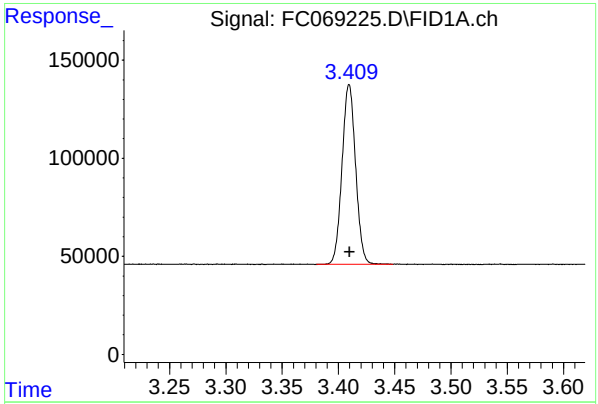
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069225.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 14:03
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

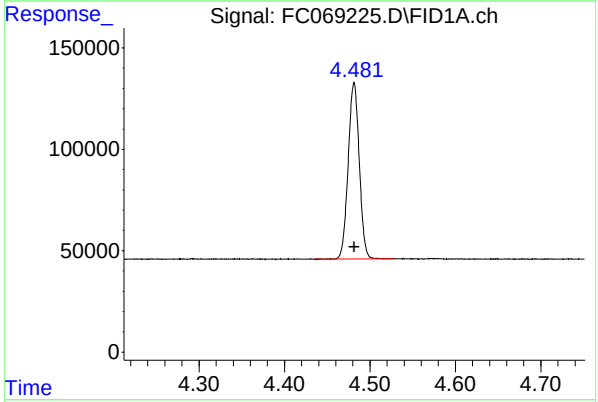




#1 n-Nonane (C9)

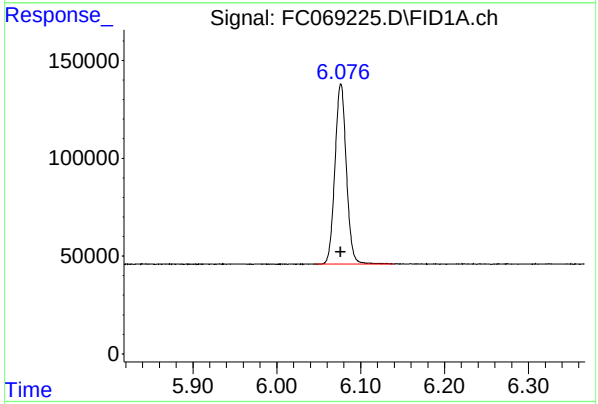
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 768967
Conc: 5.41 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



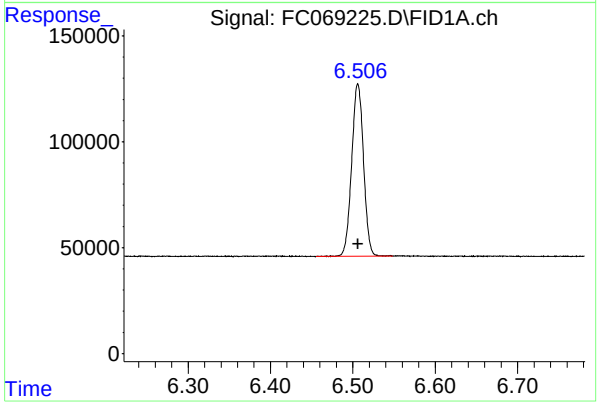
#2 n-Decane (C10)

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



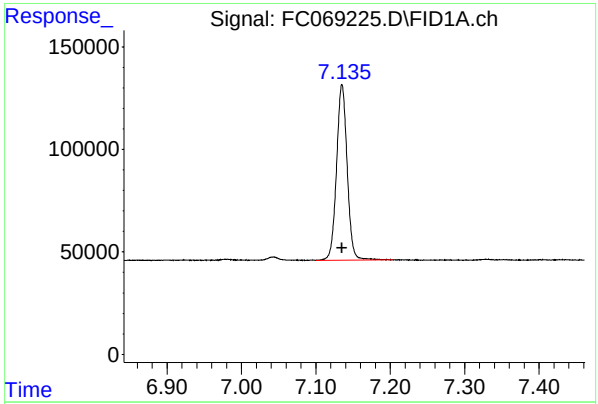
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

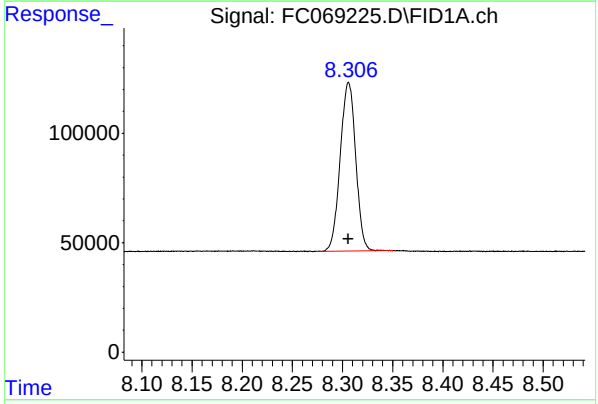
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 811783
Conc: 5.36 ug/ml



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

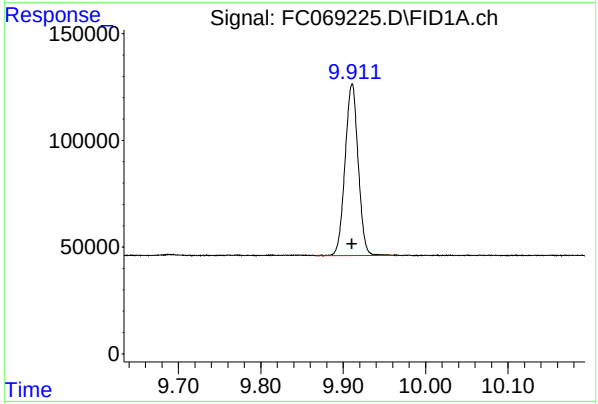
R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 852964
Conc: 5.39 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



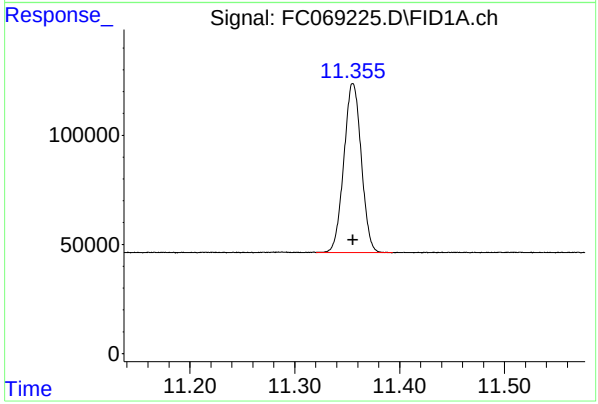
#6 n-Tetradecane (C14)

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



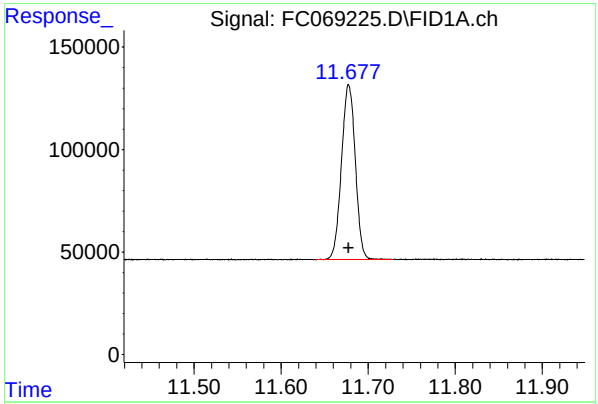
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

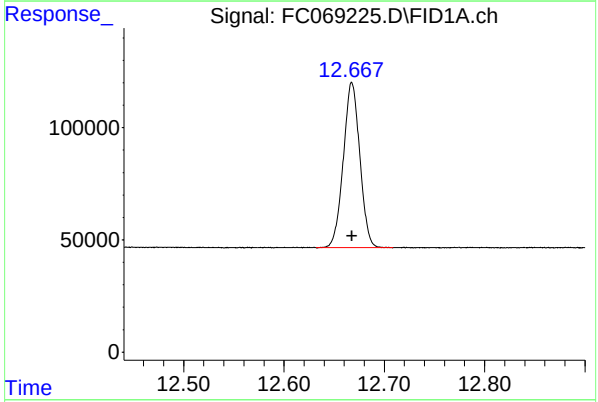
R.T.: 11.356 min
Delta R.T.: 0.000 min
Response: 894124
Conc: 5.48 ug/ml



#9 ortho-Terphenyl (SURR)

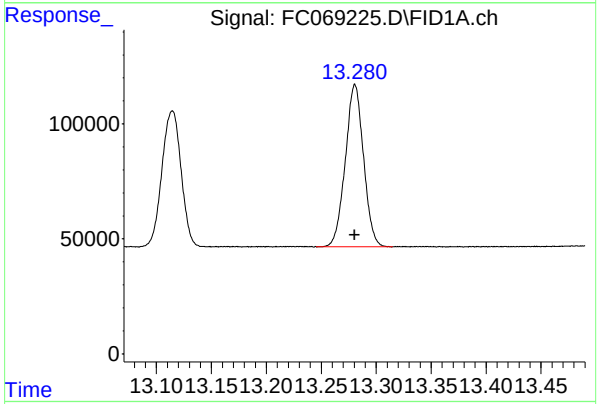
R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 942393
Conc: 5.45 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



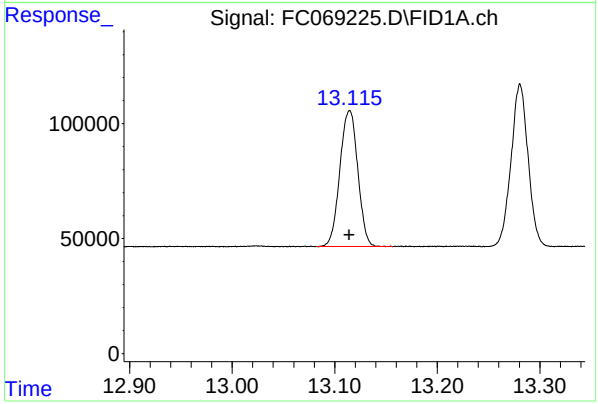
#10 n-Eicosane (C20)

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



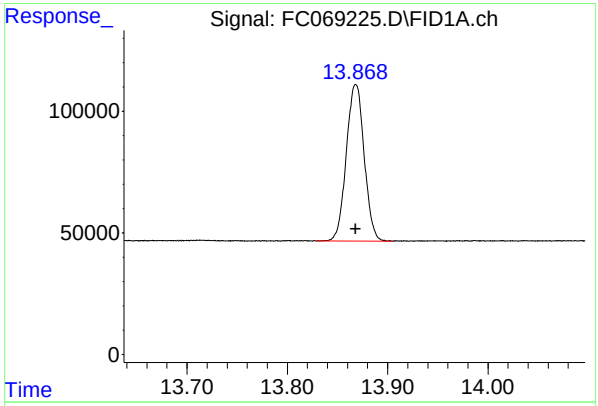
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

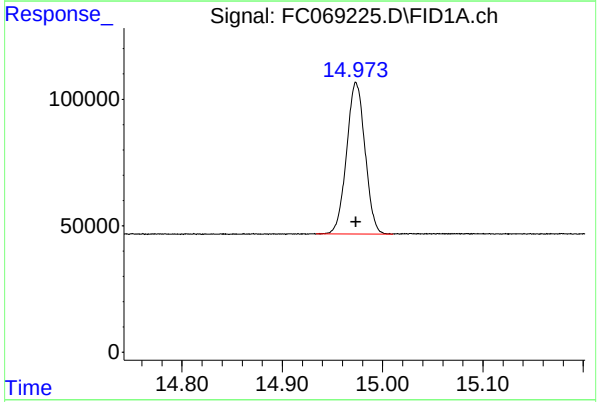
R.T.: 13.114 min
Delta R.T.: 0.000 min
Response: 718614
Conc: 5.50 ug/ml



#13 n-Docosane (C22)

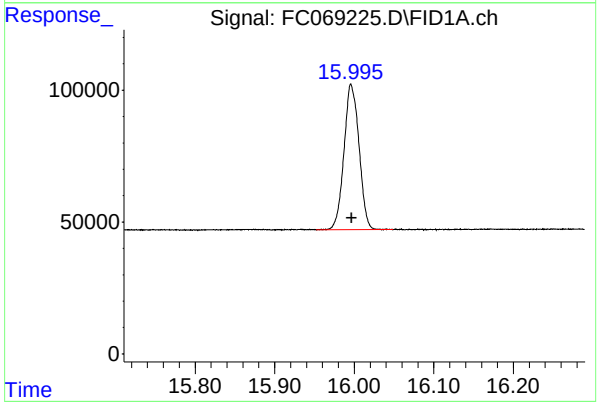
R.T.: 13.868 min
Delta R.T.: 0.000 min
Response: 796002
Conc: 5.53 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



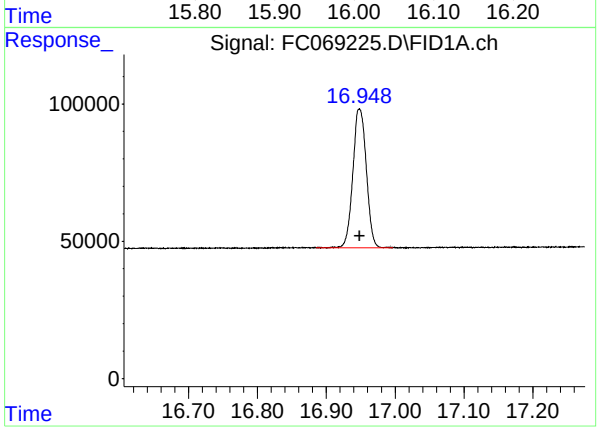
#14 n-Tetracosane (C24)

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



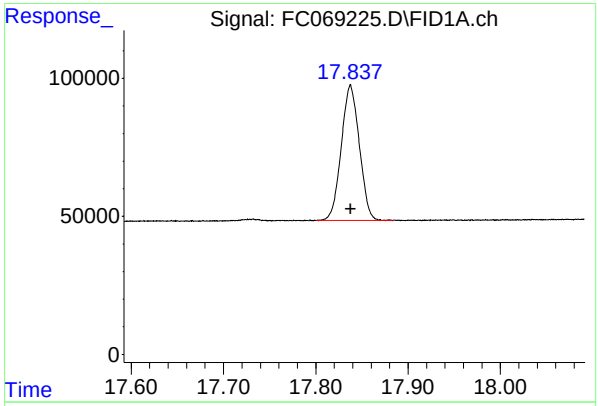
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

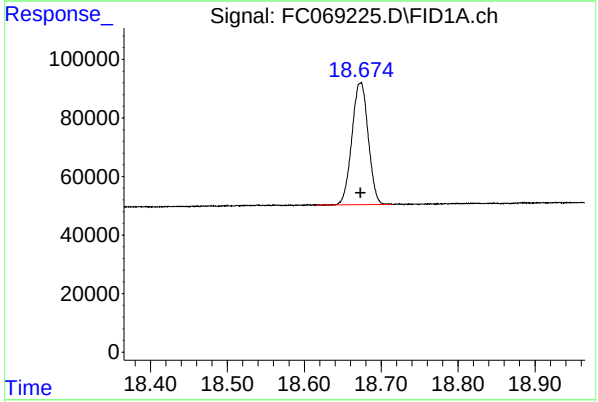
R.T.: 16.948 min
Delta R.T.: 0.000 min
Response: 686066
Conc: 5.56 ug/ml



#17 n-Tricontane (C30)

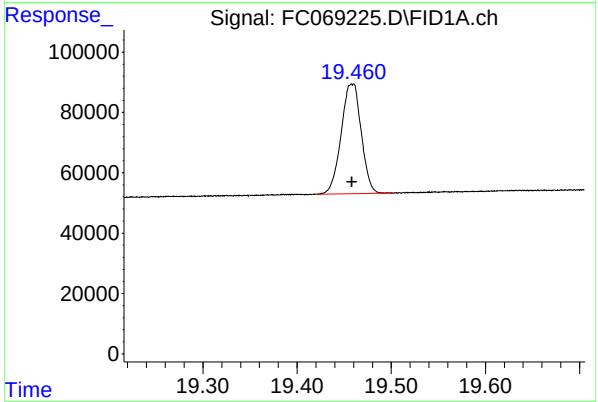
R.T.: 17.838 min
Delta R.T.: 0.000 min
Response: 666002
Conc: 5.60 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



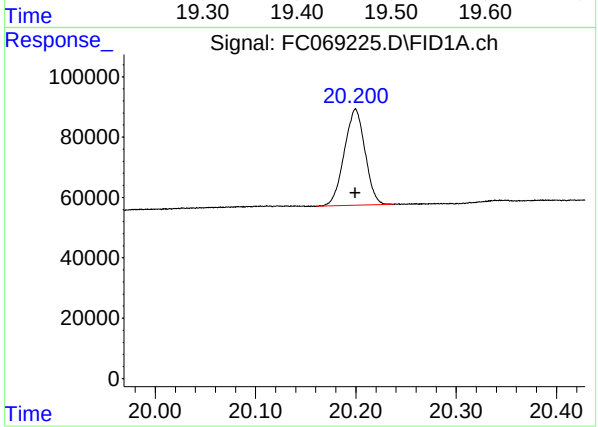
#18 n-Dotriacontane (C32)

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



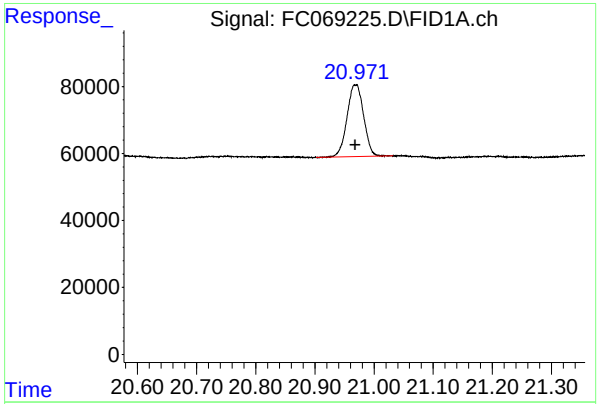
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

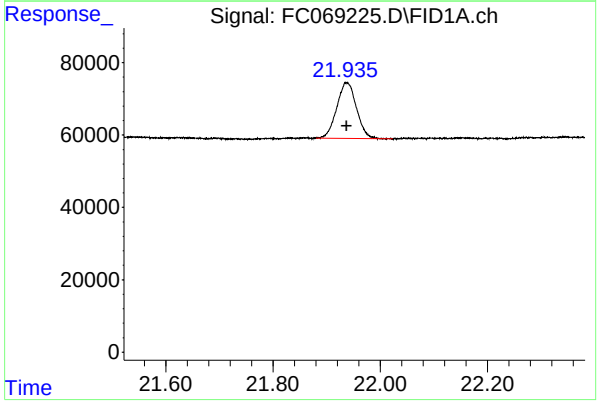
R.T.: 20.200 min
Delta R.T.: 0.000 min
Response: 459698
Conc: 5.58 ug/ml



#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

Quantitation Report (QT Reviewed)

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

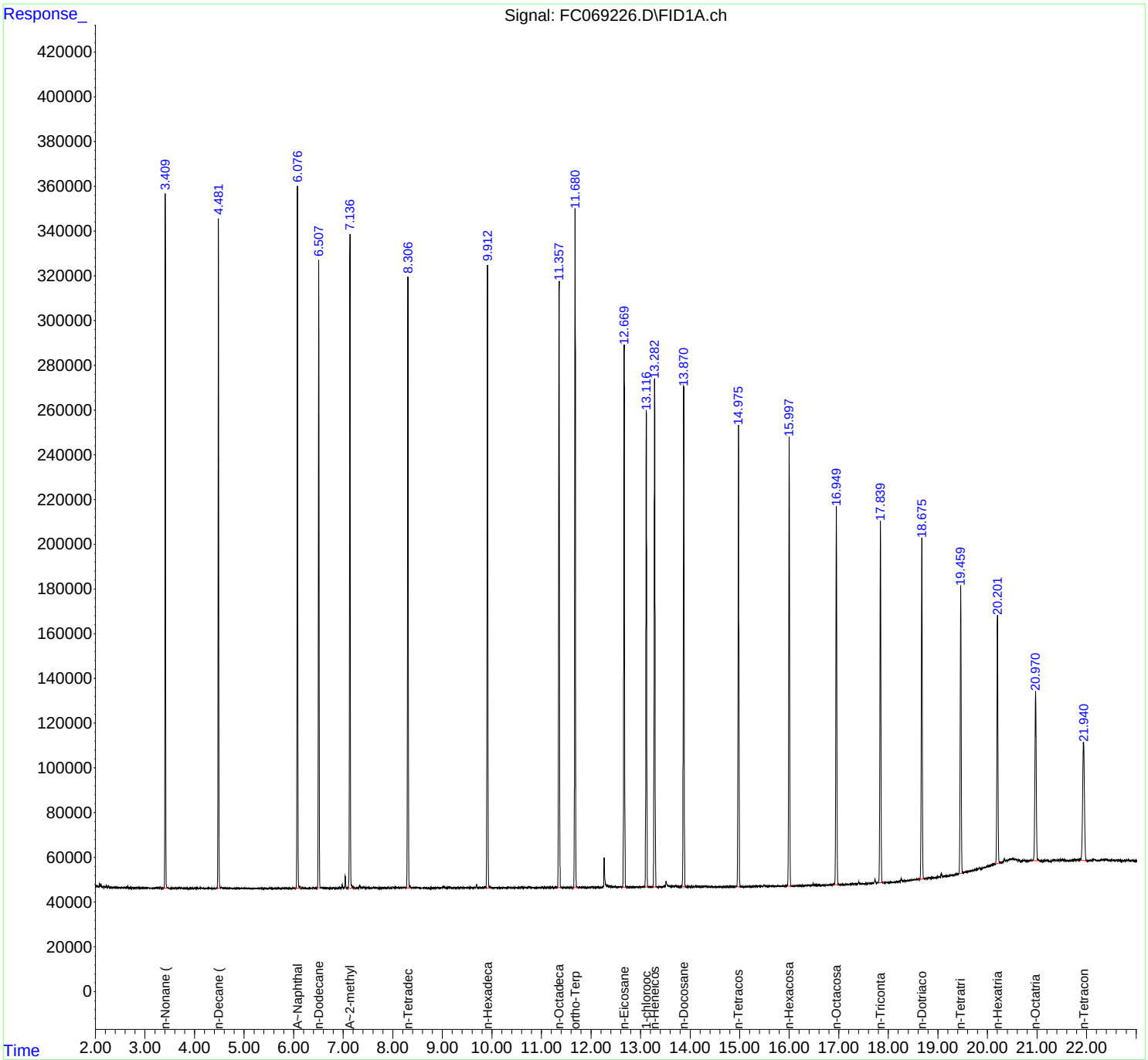
(f)=RT Delta > 1/2 Window (m)=manual int.

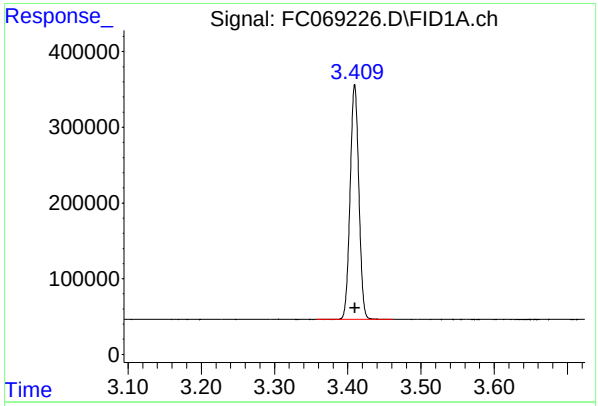
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069226.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 14:45
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

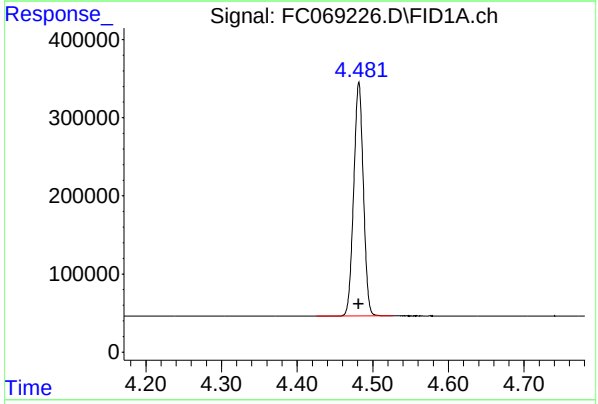




#1 n-Nonane (C9)

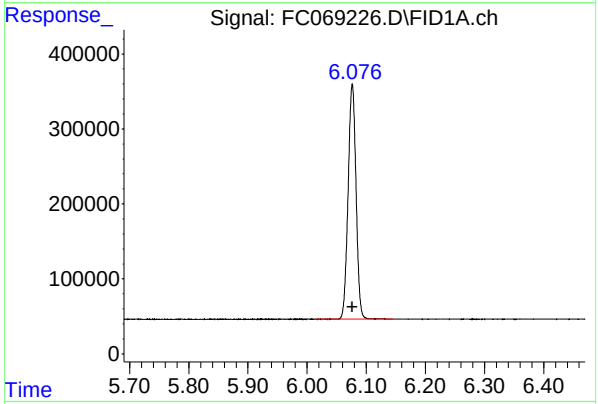
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 2571511
Conc: 18.08 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



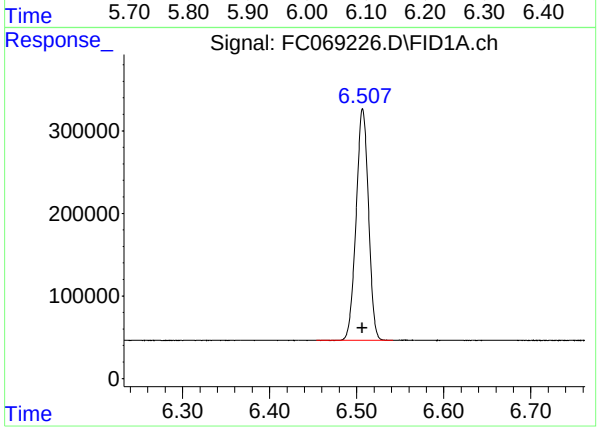
#2 n-Decane (C10)

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



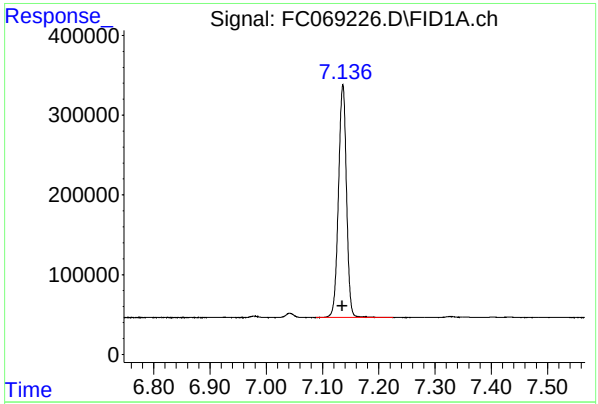
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

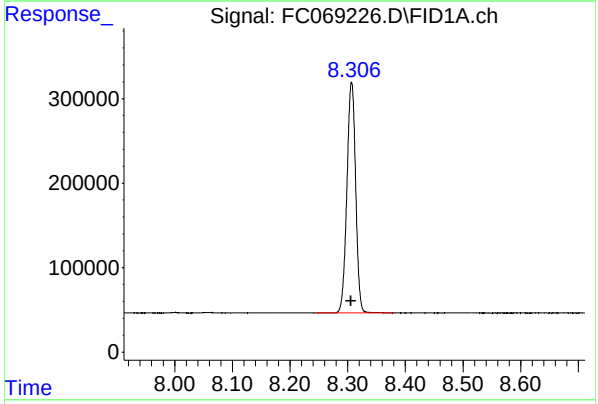
R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 2762531
Conc: 18.24 ug/ml



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

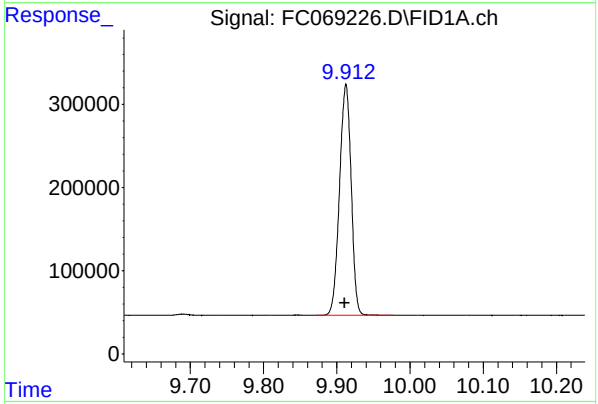
R.T.: 7.136 min
Delta R.T.: 0.000 min
Response: 2898798
Conc: 18.32 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



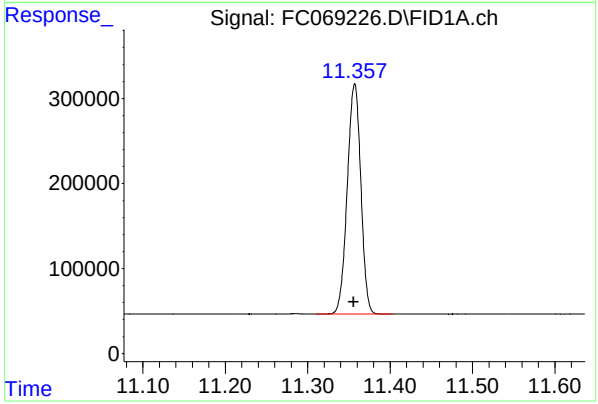
#6 n-Tetradecane (C14)

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



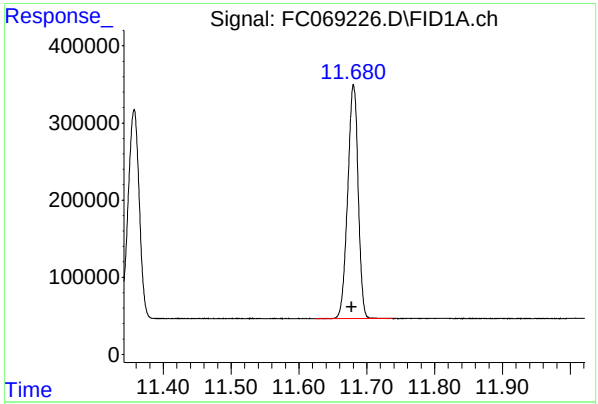
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

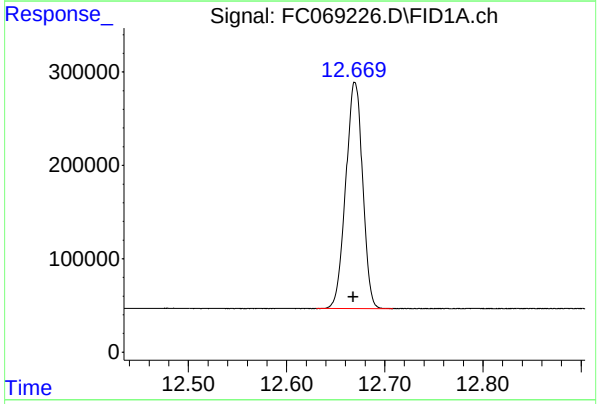
R.T.: 11.357 min
Delta R.T.: 0.001 min
Response: 3098893
Conc: 18.98 ug/ml



#9 ortho-Terphenyl (SURR)

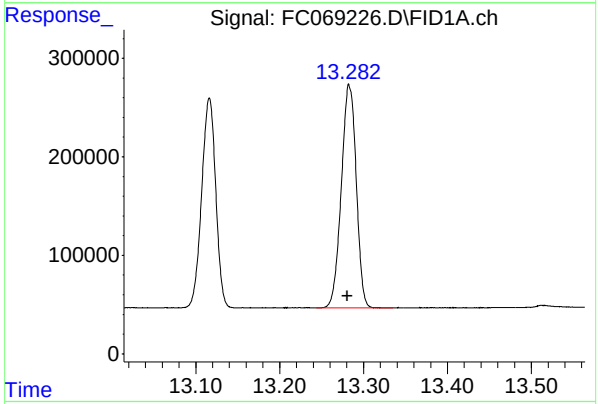
R.T.: 11.680 min
Delta R.T.: 0.003 min
Response: 3253610
Conc: 18.83 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



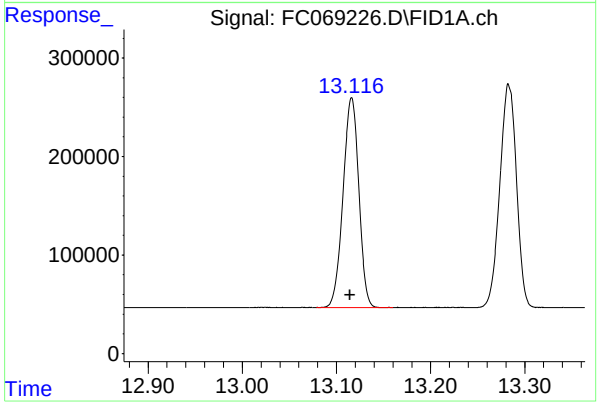
#10 n-Eicosane (C20)

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



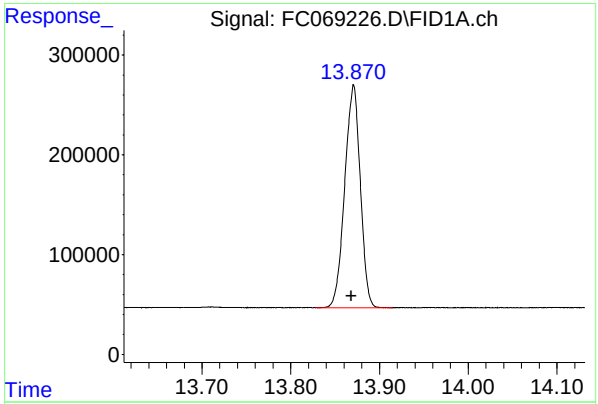
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

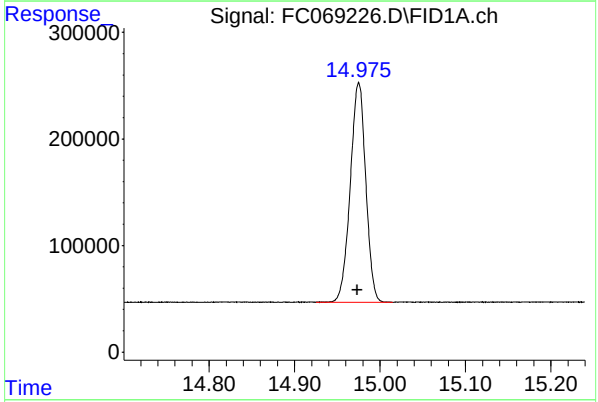
R.T.: 13.116 min
Delta R.T.: 0.002 min
Response: 2474788
Conc: 18.94 ug/ml



#13 n-Docosane (C22)

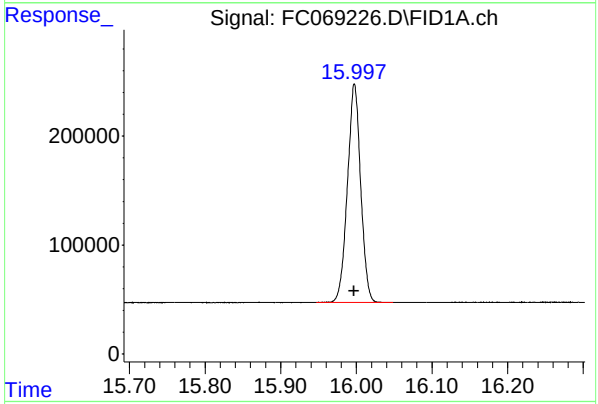
R.T.: 13.871 min
Delta R.T.: 0.002 min
Response: 2718940
Conc: 18.90 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



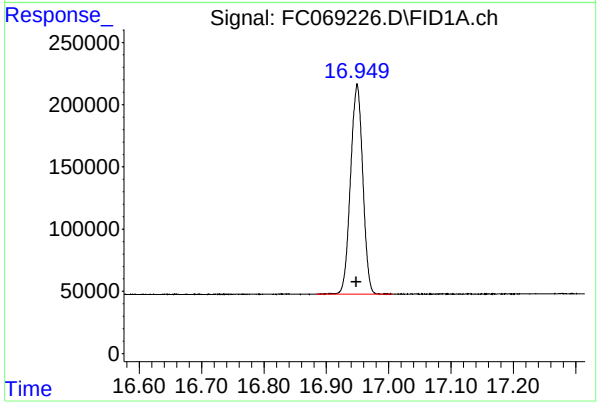
#14 n-Tetracosane (C24)

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



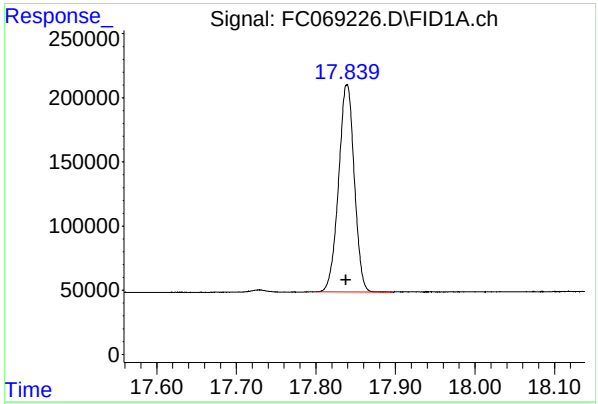
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

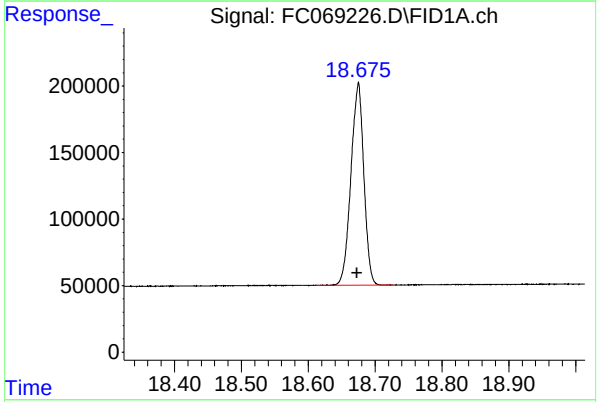
R.T.: 16.949 min
Delta R.T.: 0.000 min
Response: 2300993
Conc: 18.66 ug/ml



#17 n-Tricontane (C30)

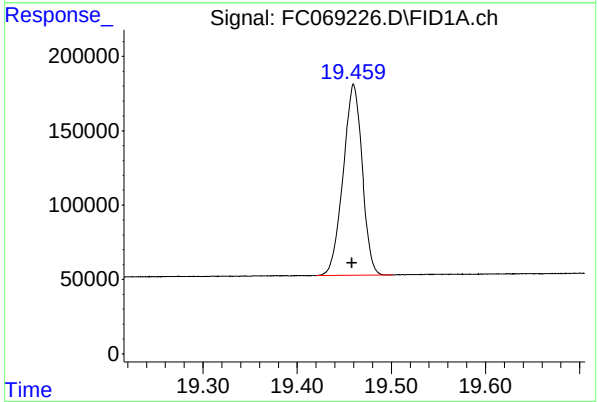
R.T.: 17.839 min
Delta R.T.: 0.001 min
Response: 2215902
Conc: 18.64 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



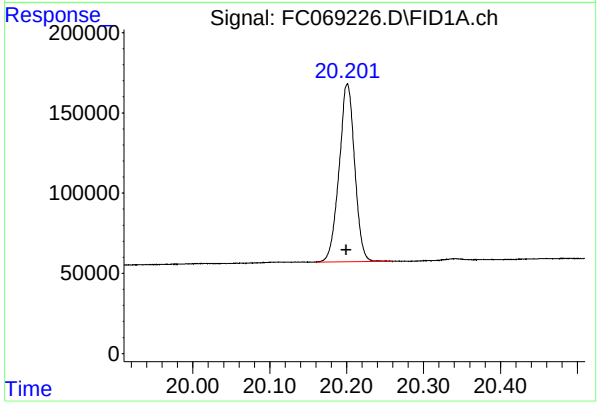
#18 n-Dotriacontane (C32)

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



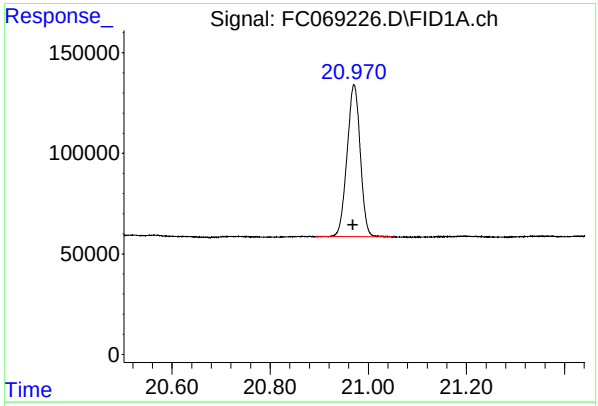
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

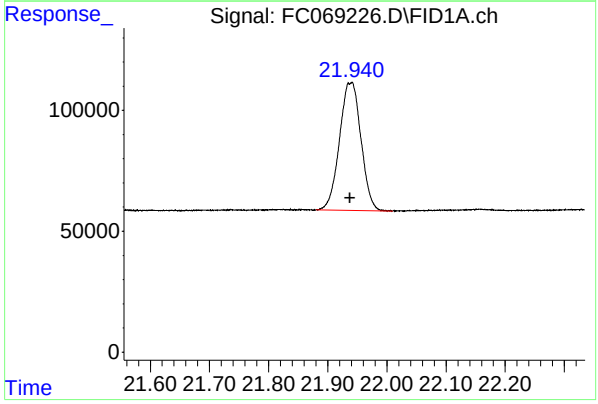
R.T.: 20.201 min
Delta R.T.: 0.001 min
Response: 1557268
Conc: 18.90 ug/ml



#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

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

Continuing Calibration Report for SequenceID : FC062425AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC069266.D**						
Aliphatic C9-C12	8878943.000	60.000	3.308	6.606	147982.383	146679.627	-0.888
Aliphatic C12-C16	6370959.000	40.000	6.607	10.010	159273.975	159210.532	-0.040
Aliphatic C16-C21	8920053.000	60.000	10.011	13.381	148667.550	154434.323	3.734
Aliphatic C21-C28	10569984.000	80.000	13.382	17.047	132124.800	133966.368	1.375
Aliphatic C28-C40	11710804.000	120.000	17.048	22.029	97590.033	92124.417	-5.933
Aliphatic EPH	46450743.000	360.000	3.308	22.029	129029.842	128354.160	-0.526

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	24 Jun 2025 13:03
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069266.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	6.606	8878943.000	60.000	ug/ml
Aliphatic C12-C16	6.607	10.010	6370959.000	40.000	ug/ml
Aliphatic C16-C21	10.011	13.381	8920053.000	60.000	ug/ml
Aliphatic C21-C28	13.382	17.047	10569984.000	80.000	ug/ml
Aliphatic C28-C40	17.048	22.029	11710804.000	120.000	ug/ml
Aliphatic EPH	3.308	22.029	46450743.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069266.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 13:03
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 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

Integration File: autoint1.e
Quant Time: Jun 25 00:39:42 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	3526024	20.410 ug/ml
Spiked Amount	50.000		Recovery =	40.82%
12)	S 1-chlorooctadecane (S...	13.113	2671273	20.447 ug/ml
Spiked Amount	50.000		Recovery =	40.89%
	Target Compounds			
1)	T n-Nonane (C9)	3.409	2833429	19.923 ug/ml
2)	T n-Decane (C10)	4.481	2952985	20.171 ug/ml
3)	T A~Naphthalene (C11.7)	6.075	3250567	20.203 ug/ml
4)	T n-Dodecane (C12)	6.506	3092529	20.423 ug/ml
5)	T A~2-methylnaphthalene...	7.135	3288275	20.779 ug/ml
6)	T n-Tetradecane (C14)	8.305	3167859	20.437 ug/ml
7)	T n-Hexadecane (C16)	9.910	3203100	19.601 ug/ml
8)	T n-Octadecane (C18)	11.355	3114971	19.079 ug/ml
10)	T n-Eicosane (C20)	12.667	2946038	19.301 ug/ml
11)	T n-Heneicosane (C21)	13.279	2859044	19.397 ug/ml
13)	T n-Docosane (C22)	13.867	2790739	19.396 ug/ml
14)	T n-Tetracosane (C24)	14.971	2684471	19.462 ug/ml
15)	T n-Hexacosane (C26)	15.995	2571352	19.670 ug/ml
16)	T n-Octacosane (C28)	16.946	2523422	20.461 ug/ml
17)	T n-Tricontane (C30)	17.836	2609303	21.948 ug/ml
18)	T n-Dotriacontane (C32)	18.669	2575967	23.560 ug/ml
19)	T n-Tetratriacontane (C34)	19.455	2268943	23.496 ug/ml
20)	T n-Hexatriacontane (C36)	20.195	1827044	22.170 ug/ml
21)	T n-Octatriacontane (C38)	20.963	1331849	17.822 ug/ml
22)	T n-Tetracontane (C40)	21.931	1097698	15.501 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069266.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 13:03
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

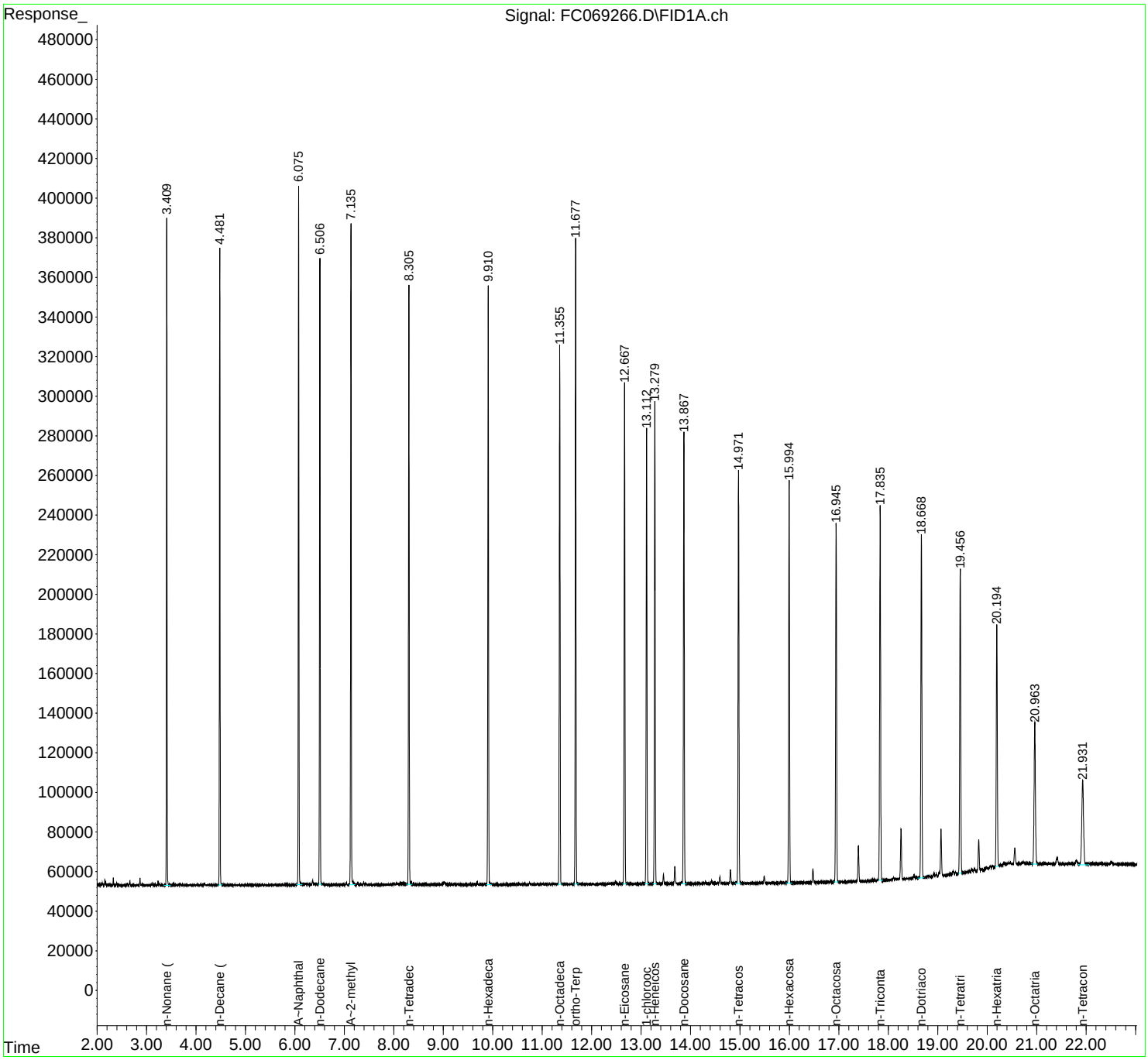
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

Integration File: autoint1.e
Quant Time: Jun 25 00:39:42 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



Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Repor

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data
Data File : FC069266.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 13:03
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	% max.	% of total
1	3.409	3.350	3.482	BB	336789	2833429	80.36%	4.792%
2	4.481	4.447	4.528	BB	321404	2952985	83.75%	4.994%
3	6.075	6.028	6.145	BB	352414	3250567	92.19%	5.498%
4	6.506	6.470	6.548	BB	316744	3092529	87.71%	5.231%
5	7.135	7.093	7.215	BB	334328	3288275	93.26%	5.562%
6	8.305	8.250	8.375	BB	303030	3167859	89.84%	5.358%
7	9.910	9.872	9.978	BB	303010	3203100	90.84%	5.418%
8	11.355	11.310	11.403	BB	271969	3114971	88.34%	5.268%
9	11.677	11.640	11.733	BB	325365	3526024	100.00%	5.964%

Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

10	12.667	12.628	12.712	BB	252827	2946038		
11	13.113	13.077	13.160	BB	229933	2671273		
12	13.279	13.235	13.320	BB	241962	2859044	81.08%	4.836%
13	13.867	13.832	13.920	VB	227757	2790739	79.15%	4.720%
14	14.971	14.902	15.025	BB	208429	2684471	76.13%	4.540%
15	15.995	15.932	16.053	BB	203374	2571352	72.92%	4.349%
16	16.946	16.903	16.985	BB	180696	2523422	71.57%	4.268%
17	17.836	17.800	17.892	BB	189218	2609303	74.00%	4.413%
18	18.669	18.592	18.728	BB	173443	2575967	73.06%	4.357%
19	19.455	19.420	19.490	BB	152195	2268943	64.35%	3.838%
20	20.195	20.160	20.233	BV	121475	1827044	51.82%	3.090%
21	20.963	20.887	21.023	BB	71654	1331849	37.77%	2.253%
22	21.931	21.880	22.003	BB	41986	1035731	29.37%	1.752%

Sum of corrected areas: 59124915

Aliphatic EPH 061825.M Wed Jun 25 01:16:33 2025

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

Continuing Calibration Report for SequenceID : FC062425AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC069274.D**						
Aliphatic C9-C12	8882441.000	60.000	3.308	6.606	148040.683	146679.627	-0.928
Aliphatic C12-C16	6279167.000	40.000	6.607	10.010	156979.175	159210.532	1.402
Aliphatic C16-C21	8783859.000	60.000	10.011	13.381	146397.650	154434.323	5.204
Aliphatic C21-C28	10450768.000	80.000	13.382	17.047	130634.600	133966.368	2.487
Aliphatic C28-C40	11618177.000	120.000	17.048	22.029	96818.142	92124.417	-5.095
Aliphatic EPH	46014412.000	360.000	3.308	22.029	127817.811	128354.160	0.418

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	24 Jun 2025 20:04
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069274.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	6.606	8882441.000	60.000	ug/ml
Aliphatic C12-C16	6.607	10.010	6279167.000	40.000	ug/ml
Aliphatic C16-C21	10.011	13.381	8783859.000	60.000	ug/ml
Aliphatic C21-C28	13.382	17.047	10450768.000	80.000	ug/ml
Aliphatic C28-C40	17.048	22.029	11618177.000	120.000	ug/ml
Aliphatic EPH	3.308	22.029	46014412.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069274.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 20:04
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 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

Integration File: autoint1.e
Quant Time: Jun 25 00:41:34 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	3491219	20.209 ug/ml
Spiked Amount	50.000		Recovery =	40.42%
12) S	1-chlorooctadecane (S...	13.113	2637238	20.187 ug/ml
Spiked Amount	50.000		Recovery =	40.37%
	Target Compounds			
1) T	n-Nonane (C9)	3.408	2849476	20.036 ug/ml
2) T	n-Decane (C10)	4.480	2960536	20.223 ug/ml
3) T	A~Naphthalene (C11.7)	6.075	3253096	20.219 ug/ml
4) T	n-Dodecane (C12)	6.506	3072429	20.290 ug/ml
5) T	A~2-methylnaphthalene...	7.135	3277064	20.708 ug/ml
6) T	n-Tetradecane (C14)	8.306	3125159	20.162 ug/ml
7) T	n-Hexadecane (C16)	9.910	3154008	19.300 ug/ml
8) T	n-Octadecane (C18)	11.355	3068753	18.796 ug/ml
10) T	n-Eicosane (C20)	12.667	2900222	19.000 ug/ml
11) T	n-Heneicosane (C21)	13.280	2814884	19.098 ug/ml
13) T	n-Docosane (C22)	13.867	2750681	19.118 ug/ml
14) T	n-Tetracosane (C24)	14.972	2649858	19.211 ug/ml
15) T	n-Hexacosane (C26)	15.995	2545593	19.473 ug/ml
16) T	n-Octacosane (C28)	16.947	2504636	20.309 ug/ml
17) T	n-Tricontane (C30)	17.836	2586303	21.755 ug/ml
18) T	n-Dotriacontane (C32)	18.669	2549921	23.322 ug/ml
19) T	n-Tetratriacontane (C34)	19.454	2239001	23.186 ug/ml
20) T	n-Hexatriacontane (C36)	20.195	1807017	21.926 ug/ml
21) T	n-Octatriacontane (C38)	20.963	1342474	17.964 ug/mlm
22) T	n-Tetracontane (C40)	21.930	1093461	15.441 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069274.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 20:04
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

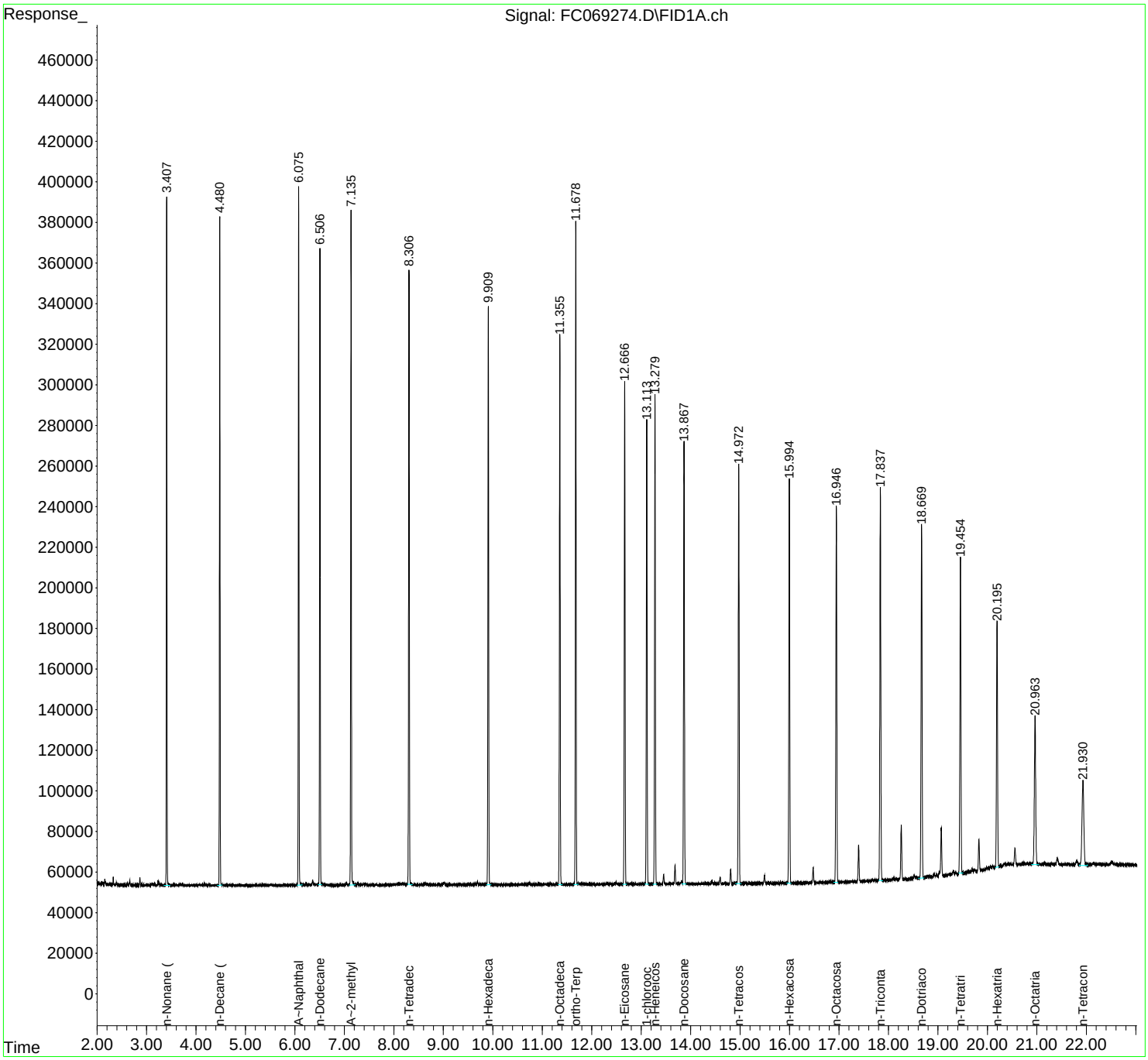
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

Integration File: autoint1.e
Quant Time: Jun 25 00:41:34 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



Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Repor

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data
Data File : FC069274.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 20:04
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	% max.	% of total
1	3.408	3.345	3.480	BB	339037	2849476	81.62%	4.862%
2	4.480	4.427	4.535	BB	329198	2960536	84.80%	5.052%
3	6.075	6.040	6.149	BB	343663	3253096	93.18%	5.551%
4	6.506	6.465	6.549	BB	314494	3072429	88.00%	5.243%
5	7.135	7.094	7.219	BB	332560	3277064	93.87%	5.592%
6	8.306	8.272	8.380	BB	302247	3125159	89.51%	5.333%
7	9.910	9.874	9.972	BB	283392	3154008	90.34%	5.382%
8	11.355	11.317	11.410	BB	271113	3068753	87.90%	5.237%
9	11.678	11.639	11.735	BB	325074	3491219	100.00%	5.958%

Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

rteres

10	12.667	12.627	12.707	BB	247518	290022		
11	13.113	13.077	13.152	BB	229442	263723		
12	13.280	13.235	13.317	BB	240816	2814884	80.63%	4.803%
13	13.867	13.833	13.914	VB	217799	2750681	78.79%	4.694%
14	14.972	14.907	15.022	BB	206391	2649858	75.90%	4.522%
15	15.995	15.939	16.034	BB	198919	2545593	72.91%	4.344%
16	16.947	16.892	16.985	BB	184924	2504636	71.74%	4.274%
17	17.836	17.800	17.889	BB	193108	2586303	74.08%	4.413%
18	18.669	18.599	18.722	BB	173301	2549921	73.04%	4.351%
19	19.454	19.420	19.507	BB	155591	2239001	64.13%	3.821%
20	20.196	20.160	20.234	BV	121233	1807017	51.76%	3.084%
21	20.964	20.825	21.037	BB	72920	1332902	38.18%	2.275%
22	21.932	21.880	22.014	BB	41281	1031119	29.53%	1.760%

Sum of corrected areas: 58601115

Aliphatic EPH 061825.M Wed Jun 25 01:19:31 2025

QC SAMPLE DATA

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Capra			Date Received:	
Client Sample ID:	PB168596BL			SDG No.:	Q2363
Lab Sample ID:	PB168596BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_F2
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/24/25 08:47	06/24/25 13:48	PB168596

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FC069267.D
Total EPH	Total EPH	0.91	U		0.91	4.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Capra		Date Received:		
Client Sample ID:	PB168596BL		SDG No.:	Q2363	
Lab Sample ID:	PB168596BL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069267.D	1	06/24/25	06/24/25	PB168596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.1		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.1		40 - 140	68%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168596BL	Acq On:	24 Jun 2025 13:48
Client Sample ID:	PB168596BL	Operator:	YP/AJ
Data file:	FC069267.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.308	6.606	0	0	300	ug/ml
Aliphatic C12-C16	6.607	10.010	0	0	200	ug/ml
Aliphatic C16-C21	10.011	13.381	0	0	300	ug/ml
Aliphatic C21-C28	13.382	17.047	0	0	400	ug/ml
Aliphatic C28-C40	17.048	22.029	0	0	600	ug/ml
Aliphatic EPH	3.308	22.029	0	0		ug/ml
ortho-Terphenyl (SURR)	11.679	11.679	5889732	34.09		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	4586388	35.11		ug/ml
Aliphatic C9-C28	3.308	17.047	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069267.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 13:48
Operator : YP/AJ
Sample : PB168596BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168596BL

Integration File: autoint1.e
Quant Time: Jun 25 00:39:55 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)	11.679	5889732	34.092 ug/ml
Spiked Amount 50.000		Recovery =	68.18%
12) S 1-chlorooctadecane (S...	13.114	4586388	35.107 ug/ml
Spiked Amount 50.000		Recovery =	70.21%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

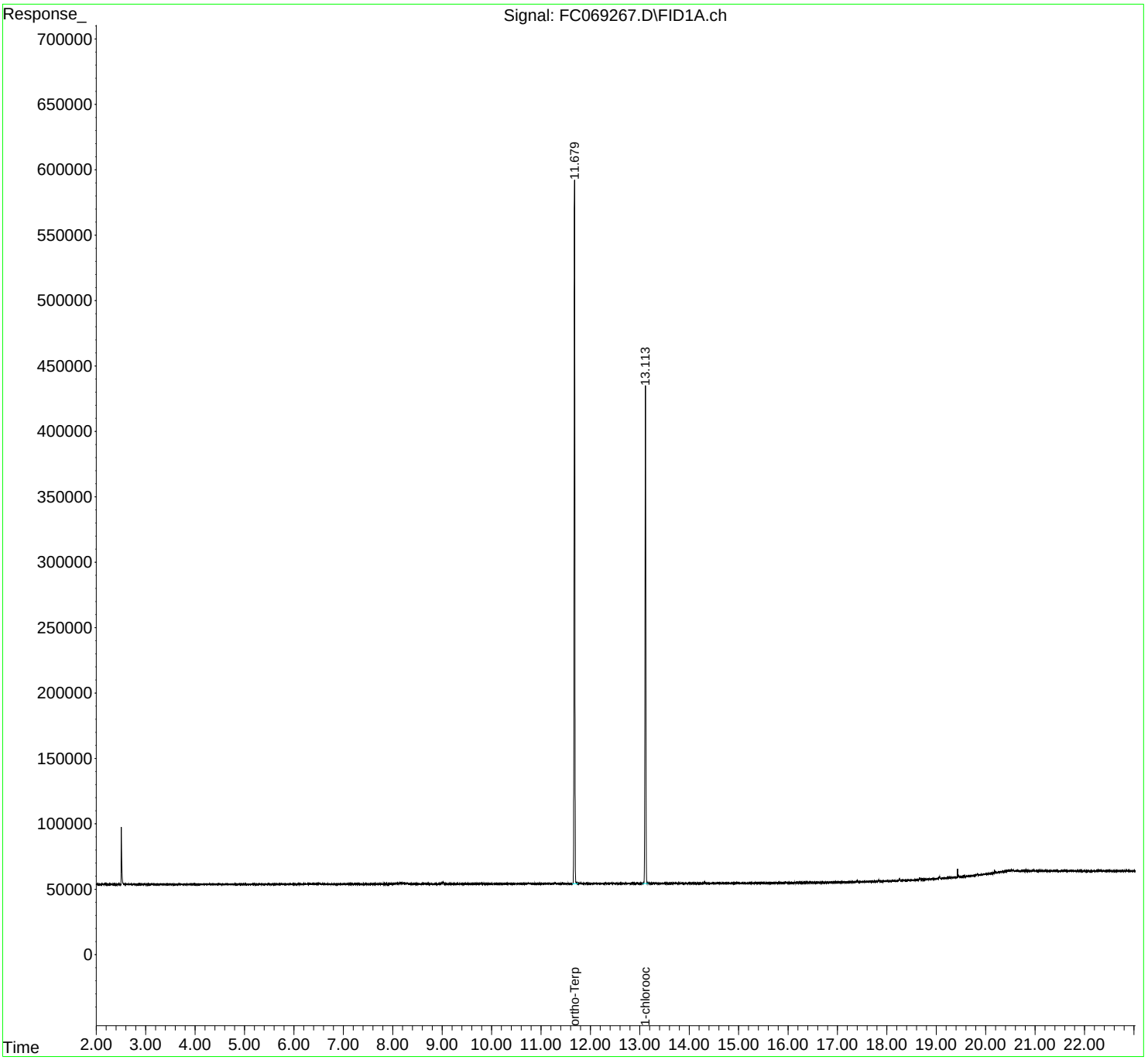
Quantitation Report (QT Reviewed)

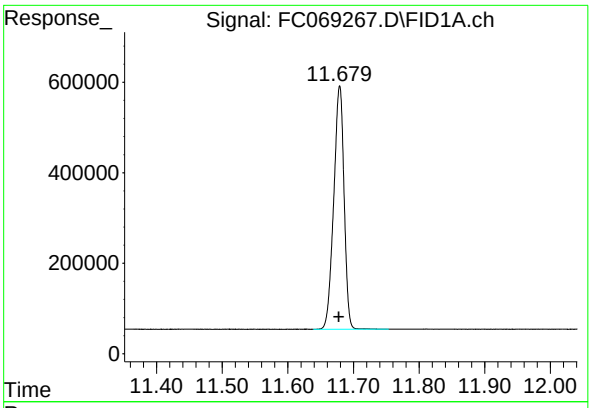
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069267.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 13:48
Operator : YP/AJ
Sample : PB168596BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168596BL

Integration File: autoint1.e
Quant Time: Jun 25 00:39:55 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

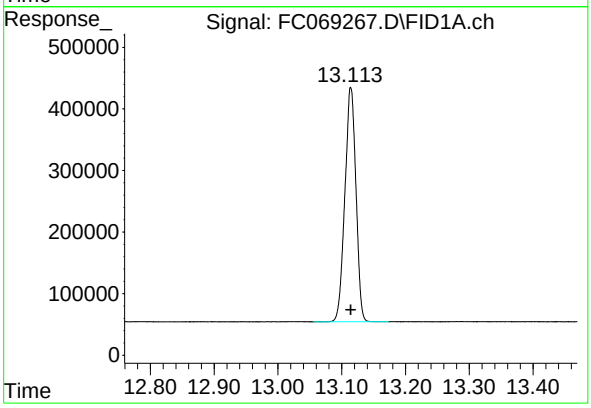




#9 ortho-Terphenyl (SURR)

R.T.: 11.679 min
Delta R.T.: 0.001 min
Response: 5889732
Conc: 34.09 ug/ml

Instrument :
FID_C
ClientSampleId :
PB168596BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.114 min
Delta R.T.: 0.000 min
Response: 4586388
Conc: 35.11 ug/ml

rteres
Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069267.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 13:48
Sample : PB168596BL
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	% max.	% of total
1	11.679	11.639	11.754	BB	538416	5889732	100.00%	56.221%
2	13.114	13.055	13.174	BB	381565	4586388	77.87%	43.779%

Sum of corrected areas: 10476120

Aliphatic EPH 061825.M Wed Jun 25 01:16:56 2025

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Capra			Date Received:	
Client Sample ID:	PB168596BS			SDG No.:	Q2363
Lab Sample ID:	PB168596BS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_F2
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/24/25 08:47	06/24/25 14:35	PB168596

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	71.4		1	0.91	3.99	mg/kg	FC069268.D
Total EPH	Total EPH	71.4			0.91	3.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Capra		Date Received:		
Client Sample ID:	PB168596BS		SDG No.:	Q2363	
Lab Sample ID:	PB168596BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069268.D	1	06/24/25	06/24/25	PB168596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	71.4		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.9		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.7		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.2		40 - 140	70%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168596BS	Acq On:	24 Jun 2025 14:35
Client Sample ID:	PB168596BS	Operator:	YP/AJ
Data file:	FC069268.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.308	6.606	31293620	213.347	300	ug/ml
Aliphatic C12-C16	6.607	10.010	40328580	253.303	200	ug/ml
Aliphatic C16-C21	10.011	13.381	41779482	270.532	300	ug/ml
Aliphatic C21-C28	13.382	17.047	44883560	335.036	400	ug/ml
Aliphatic C28-C40	17.048	22.029	39936791	433.509	600	ug/ml
Aliphatic EPH	3.308	22.029	198222033	1510		ug/ml
ortho-Terphenyl (SURR)	11.681	11.681	6080452	35.2		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	4791844	36.68		ug/ml
Aliphatic C9-C28	3.308	17.047	158285242	1070	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069268.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 14:35
Operator : YP/AJ
Sample : PB168596BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168596BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

Integration File: autoint1.e
Quant Time: Jun 25 00:40:05 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)	11.681	6080452	35.196 ug/ml
Spiked Amount	50.000		Recovery =	70.39%
12) S	1-chlorooctadecane (S...	13.115	4791844	36.679 ug/ml
Spiked Amount	50.000		Recovery =	73.36%
	Target Compounds			
1) T	n-Nonane (C9)	3.425	5342859	37.568 ug/ml
2) T	n-Decane (C10)	4.490	5821037	39.762 ug/ml
3) T	A~Naphthalene (C11.7)	6.080	7197388	44.734 ug/ml
4) T	n-Dodecane (C12)	6.509	6189435	40.875 ug/ml
5) T	A~2-methylnaphthalene...	7.139	6720834	42.470 ug/ml
6) T	n-Tetradecane (C14)	8.309	6303781	40.668 ug/ml
7) T	n-Hexadecane (C16)	9.913	6310028	38.613 ug/ml
8) T	n-Octadecane (C18)	11.358	6061634	37.126 ug/ml
10) T	n-Eicosane (C20)	12.671	5920908	38.790 ug/ml
11) T	n-Heneicosane (C21)	13.283	5538518	37.577 ug/ml
13) T	n-Docosane (C22)	13.870	5360430	37.256 ug/ml
14) T	n-Tetracosane (C24)	14.968	10329644	74.890 ug/ml
15) T	n-Hexacosane (C26)	16.000	4812588	36.815 ug/ml
16) T	n-Octacosane (C28)	16.949	4583845	37.168 ug/ml
17) T	n-Tricontane (C30)	17.840	4416951	37.154 ug/ml
18) T	n-Dotriacontane (C32)	18.672	4258985	38.953 ug/ml
19) T	n-Tetratriacontane (C34)	19.457	4356580	45.115 ug/ml
20) T	n-Hexatriacontane (C36)	20.199	4159372	50.470 ug/ml
21) T	n-Octatriacontane (C38)	20.969	4270903	57.151 ug/ml
22) T	n-Tetracontane (C40)	21.939	4277946	60.409 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069268.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 14:35
Operator : YP/AJ
Sample : PB168596BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

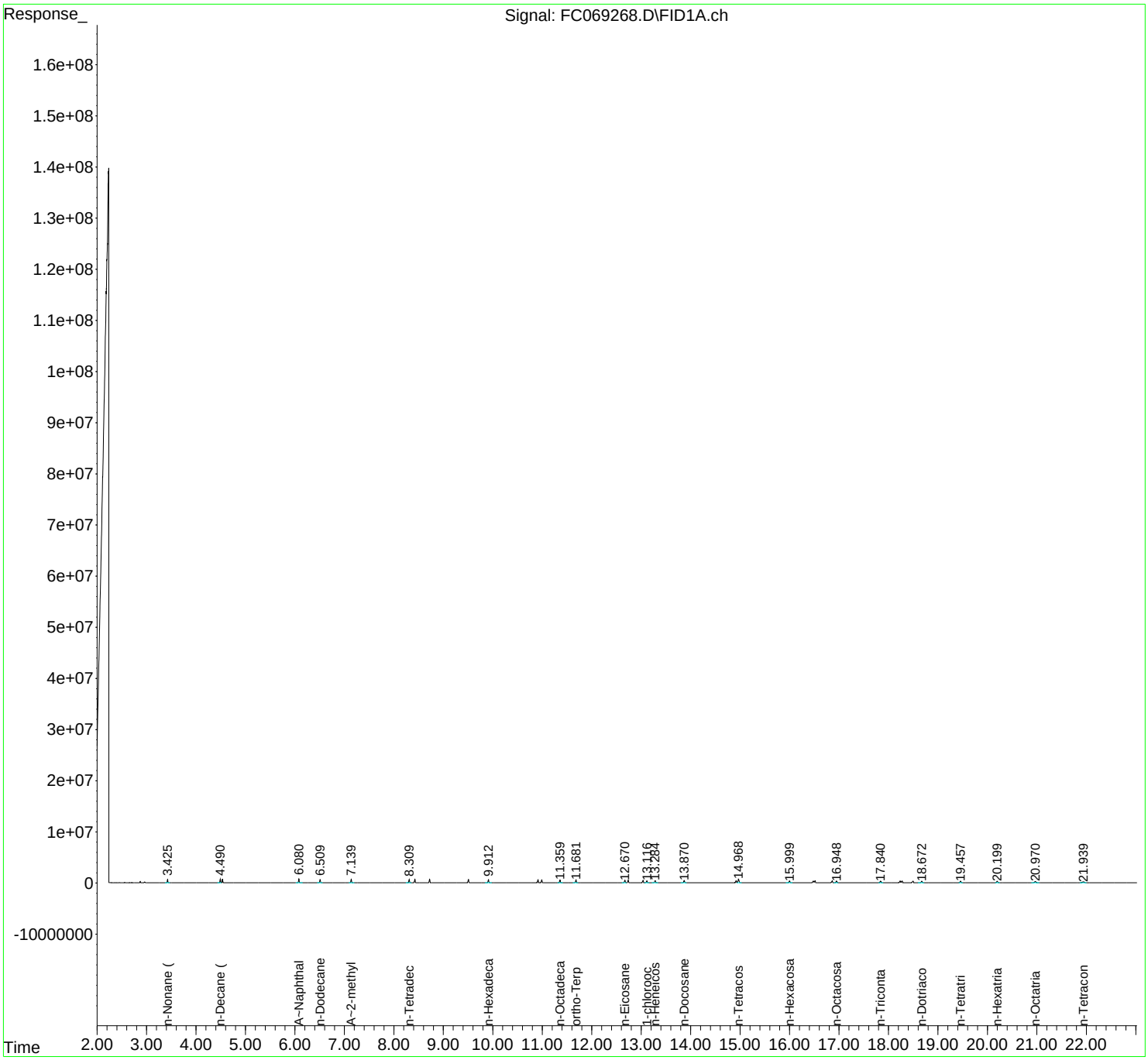
Instrument :
FID_C
ClientSampleId :
PB168596BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

Integration File: autoint1.e
Quant Time: Jun 25 00:40:05 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



Instrument :
FID_C
ClientSampleId :
PB168596BS

rteres
Area Percent Repor

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data
Data File : FC069268.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 14:35
Sample : PB168596BS
Misc :
ALS Vial : 17 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	% max.	% of total
1	3.425	3.375	3.470	BB	648339	5342859	51.72%	2.555%
2	4.490	4.433	4.512	BV	664923	5821037	56.35%	2.784%
3	4.535	4.512	4.578	VV	751557	6742901	65.28%	3.225%
4	6.080	6.020	6.153	BB	781548	7197388	69.68%	3.442%
5	6.509	6.447	6.557	BB	639038	6189435	59.92%	2.960%
6	7.139	7.088	7.200	BB	671234	6720834	65.06%	3.214%
7	8.309	8.242	8.355	BB	597098	6303781	61.03%	3.015%
8	8.425	8.362	8.472	BB	702597	7054970	68.30%	3.374%
9	8.723	8.653	8.772	BB	689331	7009329	67.86%	3.352%

Instrument :
FID_C
ClientSampleId :
PB168596BS

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

10	9.508	9.438	9.573	BB	663094	6929638			
11	9.913	9.843	9.978	BV	596690	6310028			
12	10.914	10.825	10.947	BV	580482	6366298	61.63%	3.045%	
13	10.990	10.947	11.045	VV	578121	6332571	61.30%	3.029%	
14	11.359	11.310	11.413	BB	549916	6061634	58.68%	2.899%	
15	11.681	11.617	11.723	BB	557651	6080452	58.86%	2.908%	
16	12.671	12.610	12.702	BV	503279	5920908	57.32%	2.832%	
17	12.738	12.702	12.793	VB	507490	5814399	56.29%	2.781%	
18	13.038	12.963	13.067	BV	485947	5745154	55.62%	2.748%	
19	13.115	13.067	13.163	VB	393808	4791844	46.39%	2.292%	
20	13.283	13.213	13.340	BB	465408	5538518	53.62%	2.649%	
21	13.870	13.798	13.917	BB	440053	5360430	51.89%	2.564%	
22	14.920	14.852	14.939	BV	399091	5280960	51.12%	2.526%	
23	14.968	14.939	15.030	VB	701016	10329644	100.00%	4.940%	
24	16.000	15.923	16.057	BB	381872	4812588	46.59%	2.302%	
25	16.480	16.415	16.496	BV	339315	4909552	47.53%	2.348%	
26	16.516	16.496	16.560	VB	402193	4873912	47.18%	2.331%	
27	16.863	16.785	16.893	BV	351494	4732629	45.82%	2.263%	
28	16.949	16.893	16.985	VB	354170	4583845	44.38%	2.192%	
29	17.840	17.800	17.892	BB	326072	4416951	42.76%	2.112%	
30	18.238	18.160	18.253	BV	337574	5041238	48.80%	2.411%	
31	18.276	18.253	18.343	VB	355406	4645182	44.97%	2.222%	
32	18.496	18.413	18.552	BB	318411	4563011	44.17%	2.182%	
33	18.672	18.597	18.717	BB	300240	4258985	41.23%	2.037%	
34	19.457	19.420	19.498	BB	321324	4356580	42.18%	2.084%	
35	20.199	20.160	20.245	BB	288958	4159372	40.27%	1.989%	

Instrument :
FID_C
ClientSampleId :
PB168596BS

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

36	20.969	20.888	21.045	BB	230427	427090	
37	21.938	21.880	22.025	BB	165753	422456	

Sum of corrected areas: 209094330

Aliphatic EPH 061825.M Wed Jun 25 01:17:41 2025

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Capra			Date Received:	
Client Sample ID:	PB168596BSD			SDG No.:	Q2363
Lab Sample ID:	PB168596BSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_F2
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/24/25 08:47	06/24/25 15:22	PB168596

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	71.4		1	0.91	3.99	mg/kg	FC069269.D
Total EPH	Total EPH	71.4			0.91	3.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Capra		Date Received:		
Client Sample ID:	PB168596BSD		SDG No.:	Q2363	
Lab Sample ID:	PB168596BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069269.D	1	06/24/25	06/24/25	PB168596

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	71.4		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.0		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.3		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.8		40 - 140	72%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168596BSD	Acq On:	24 Jun 2025 15:22
Client Sample ID:	PB168596BSD	Operator:	YP/AJ
Data file:	FC069269.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.308	6.606	31454082	214.441	300	ug/ml
Aliphatic C12-C16	6.607	10.010	39931854	250.812	200	ug/ml
Aliphatic C16-C21	10.011	13.381	41648759	269.686	300	ug/ml
Aliphatic C21-C28	13.382	17.047	45119169	336.795	400	ug/ml
Aliphatic C28-C40	17.048	22.029	40062916	434.878	600	ug/ml
Aliphatic EPH	3.308	22.029	198216780	1510		ug/ml
ortho-Terphenyl (SURR)	11.680	11.680	6192271	35.84		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	4875041	37.32		ug/ml
Aliphatic C9-C28	3.308	17.047	158153864	1070	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069269.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 15:22
Operator : YP/AJ
Sample : PB168596BSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jun 25 00:40:21 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

Instrument :
FID_C
ClientSampleId :
PB168596BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.680	6192271	35.843 ug/ml
Spiked Amount	50.000		Recovery =	71.69%
12) S	1-chlorooctadecane (S...	13.115	4875041	37.316 ug/ml
Spiked Amount	50.000		Recovery =	74.63%
	Target Compounds			
1) T	n-Nonane (C9)	3.425	5448257	38.309 ug/ml
2) T	n-Decane (C10)	4.490	5870039	40.097 ug/ml
3) T	A~Naphthalene (C11.7)	6.080	7184972	44.656 ug/ml
4) T	n-Dodecane (C12)	6.509	6168495	40.736 ug/ml
5) T	A~2-methylnaphthalene...	7.138	6684071	42.238 ug/ml
6) T	n-Tetradecane (C14)	8.309	6222633	40.145 ug/ml
7) T	n-Hexadecane (C16)	9.913	6193464	37.900 ug/ml
8) T	n-Octadecane (C18)	11.358	5944927	36.412 ug/ml
10) T	n-Eicosane (C20)	12.670	5845551	38.296 ug/ml
11) T	n-Heneicosane (C21)	13.282	5497907	37.301 ug/ml
13) T	n-Docosane (C22)	13.870	5346716	37.160 ug/ml
14) T	n-Tetracosane (C24)	14.968	10397264	75.380 ug/ml
15) T	n-Hexacosane (C26)	15.998	4857382	37.158 ug/ml
16) T	n-Octacosane (C28)	16.949	4624109	37.494 ug/ml
17) T	n-Tricontane (C30)	17.839	4458674	37.505 ug/ml
18) T	n-Dotriacontane (C32)	18.671	4294428	39.277 ug/ml
19) T	n-Tetratriacontane (C34)	19.457	4379790	45.355 ug/ml
20) T	n-Hexatriacontane (C36)	20.199	4172355	50.628 ug/ml
21) T	n-Octatriacontane (C38)	20.968	4277199	57.235 ug/ml
22) T	n-Tetracontane (C40)	21.933	4282393	60.472 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069269.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 15:22
Operator : YP/AJ
Sample : PB168596BSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

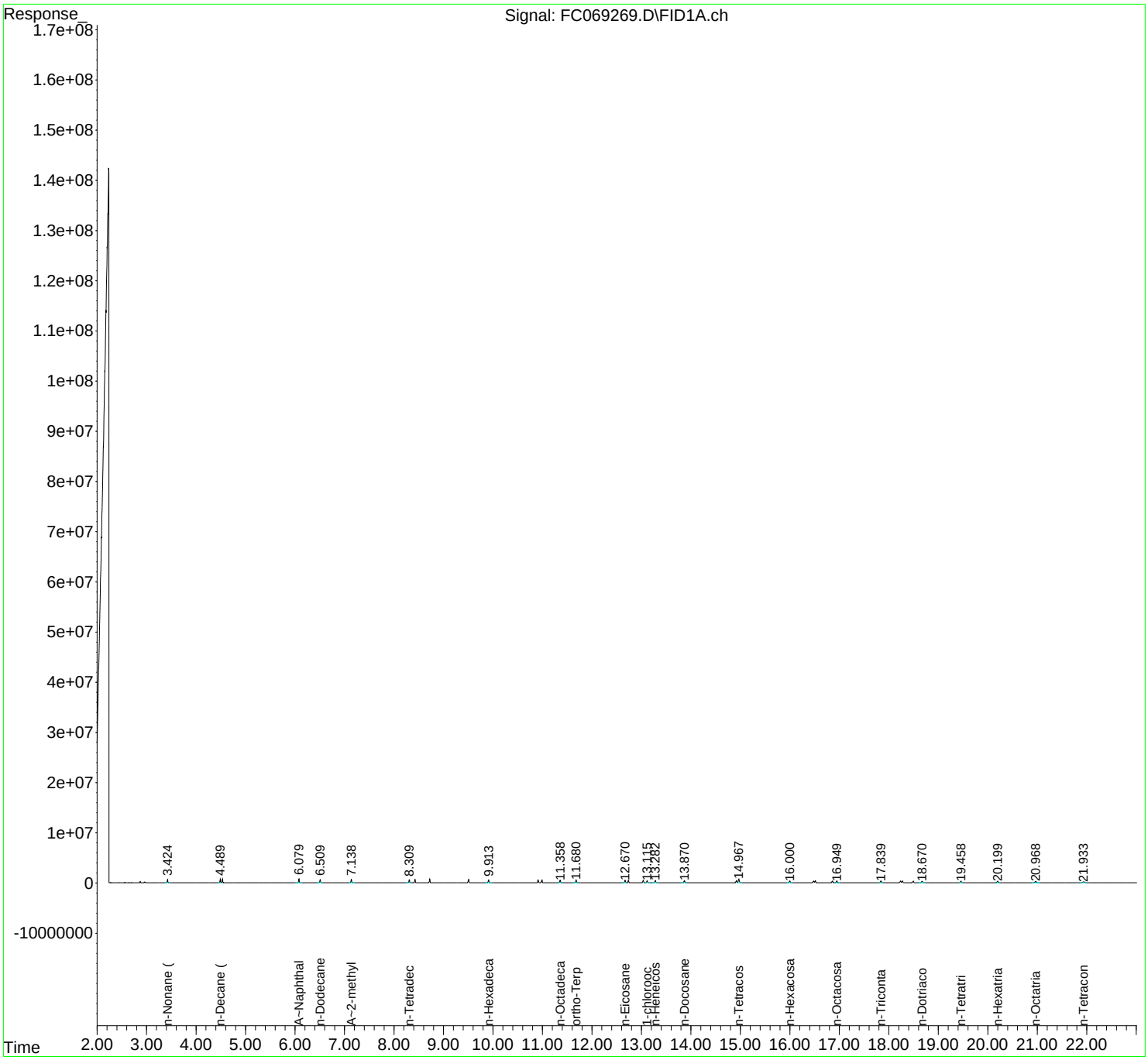
Integration File: autoint1.e
Quant Time: Jun 25 00:40:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_C
ClientSampleId :
PB168596BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025



Instrument :
FID_C
ClientSampleId :
PB168596BSD

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data
Data File : FC069269.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 15:22
Sample : PB168596BSD
Misc :
ALS Vial : 18 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	% max.	% of total
1	3.425	3.368	3.467	BB	663345	5448257	52.40%	2.603%
2	4.490	4.435	4.511	BV	672124	5870039	56.46%	2.805%
3	4.534	4.511	4.578	VV	771815	6782319	65.23%	3.241%
4	6.080	6.018	6.145	BB	794576	7184972	69.10%	3.433%
5	6.509	6.443	6.555	BB	642933	6168495	59.33%	2.947%
6	7.138	7.088	7.213	BB	672974	6684071	64.29%	3.194%
7	8.309	8.243	8.348	BB	591063	6222633	59.85%	2.973%
8	8.425	8.358	8.472	BB	690689	6997899	67.31%	3.344%
9	8.722	8.653	8.767	BB	696646	6950548	66.85%	3.321%

Instrument :
FID_C
ClientSampleId :
PB168596BSD

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

10	9.508	9.437	9.577	BB	663368	6883239			
11	9.913	9.850	9.983	BB	568160	6193464			
12	10.914	10.823	10.953	BV	571222	6372771	61.29%	3.045%	
13	10.990	10.953	11.043	PV	567406	6336952	60.95%	3.028%	
14	11.358	11.310	11.400	BB	511707	5944927	57.18%	2.841%	
15	11.680	11.612	11.730	BB	558571	6192271	59.56%	2.959%	
16	12.670	12.607	12.700	BV	512054	5845551	56.22%	2.793%	
17	12.737	12.700	12.785	VB	505913	5857552	56.34%	2.799%	
18	13.037	12.963	13.067	BV	490544	5793099	55.72%	2.768%	
19	13.115	13.067	13.170	VB	401921	4875041	46.89%	2.329%	
20	13.282	13.212	13.335	BB	439856	5497907	52.88%	2.627%	
21	13.870	13.797	13.913	BB	424867	5346716	51.42%	2.555%	
22	14.920	14.848	14.939	BV	385454	5320848	51.18%	2.542%	
23	14.968	14.939	15.030	VB	736075	10397264	100.00%	4.968%	
24	15.998	15.937	16.048	BB	361103	4857382	46.72%	2.321%	
25	16.479	16.405	16.495	BV	343618	4927417	47.39%	2.354%	
26	16.515	16.495	16.562	VB	417537	4897423	47.10%	2.340%	
27	16.862	16.782	16.905	BV	350363	4748010	45.67%	2.269%	
28	16.949	16.905	17.008	VB	349053	4624109	44.47%	2.209%	
29	17.839	17.800	17.882	BB	317098	4458674	42.88%	2.130%	
30	18.237	18.155	18.252	BV	341946	5001024	48.10%	2.390%	
31	18.275	18.252	18.335	VB	346021	4687176	45.08%	2.240%	
32	18.494	18.410	18.547	BB	332291	4560680	43.86%	2.179%	
33	18.671	18.603	18.735	BB	301716	4294428	41.30%	2.052%	
34	19.457	19.420	19.497	BB	310004	4379790	42.12%	2.093%	
35	20.199	20.160	20.243	BB	303373	4172355	40.13%	1.994%	

Instrument :
FID_C
ClientSampleId :
PB168596BSD

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

36	20.968	20.888	21.047	BB	230264	427719
37	21.934	21.880	22.018	BB	169168	423159

Sum of corrected areas: 209284092

Aliphatic EPH 061825.M Wed Jun 25 01:18:34 2025

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Capra			Date Received:	
Client Sample ID:	GCAP1MS			SDG No.:	Q2363
Lab Sample ID:	Q2363-01MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	85.5
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_F2
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/24/25 08:47	06/24/25 16:57	PB168596

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	166	E	1	1.06	4.68	mg/kg	FC069271.D
Total EPH	Total EPH	166			1.06	4.68	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Capra		Date Received:		
Client Sample ID:	GCAP1MS		SDG No.:	Q2363	
Lab Sample ID:	Q2363-01MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.5	
Sample Wt/Vol:	30.08 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069271.D	1	06/24/25	06/24/25	PB168596

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		166	E	1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		42.1		1.38	2.33	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		27.6		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		26.1		40 - 140	52%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2363-01MS	Acq On:	24 Jun 2025 16:57
Client Sample ID:	GCAP1MS	Operator:	YP/AJ
Data file:	FC069271.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.308	6.606	102138656	696.338	300	ug/ml
Aliphatic C12-C16	6.607	10.010	111424272	699.855	200	ug/ml
Aliphatic C16-C21	10.011	13.381	52965421	342.964	300	ug/ml
Aliphatic C21-C28	13.382	17.047	52981760	395.486	400	ug/ml
Aliphatic C28-C40	17.048	22.029	49885798	541.505	600	ug/ml
Aliphatic EPH	3.308	22.029	369395907	2680		ug/ml
ortho-Terphenyl (SURR)	11.680	11.680	4514590	26.13		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	3606277	27.6		ug/ml
Aliphatic C9-C28	3.308	17.047	319510109	2130	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069271.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 16:57
Operator : YP/AJ
Sample : Q2363-01MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GCAP1MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

Integration File: autoint1.e
Quant Time: Jun 25 00:40:48 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	4514590	26.132 ug/ml
Spiked Amount	50.000		Recovery =	52.26%
12) S	1-chlorooctadecane (S...	13.115	3606277	27.604 ug/ml
Spiked Amount	50.000		Recovery =	55.21%
	Target Compounds			
1) T	n-Nonane (C9)	3.422	5439276	38.246 ug/mlm
2) T	n-Decane (C10)	4.490	5937626	40.559 ug/mlm
3) T	A~Naphthalene (C11.7)	6.081	7141952	44.389 ug/mlm
4) T	n-Dodecane (C12)	6.510	6222651	41.094 ug/mlm
5) T	A~2-methylnaphthalene...	7.140	6805277	43.003 ug/mlm
6) T	n-Tetradecane (C14)	8.310	6087155	39.271 ug/mlm
7) T	n-Hexadecane (C16)	9.913	6146934	37.615 ug/ml
8) T	n-Octadecane (C18)	11.358	5587783	34.224 ug/ml
10) T	n-Eicosane (C20)	12.671	5505165	36.066 ug/ml
11) T	n-Heneicosane (C21)	13.283	5176614	35.121 ug/ml
13) T	n-Docosane (C22)	13.870	5074573	35.269 ug/ml
14) T	n-Tetracosane (C24)	14.968	9773157	70.855 ug/ml
15) T	n-Hexacosane (C26)	15.999	4593235	35.137 ug/ml
16) T	n-Octacosane (C28)	16.949	4404771	35.716 ug/ml
17) T	n-Tricontane (C30)	17.839	4256589	35.805 ug/ml
18) T	n-Dotriacontane (C32)	18.672	4200623	38.419 ug/ml
19) T	n-Tetratriacontane (C34)	19.457	4192154	43.412 ug/ml
20) T	n-Hexatriacontane (C36)	20.199	3983866	48.341 ug/ml
21) T	n-Octatriacontane (C38)	20.968	4063825	54.380 ug/ml
22) T	n-Tetracontane (C40)	21.935	4017028	56.725 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069271.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 16:57
Operator : YP/AJ
Sample : Q2363-01MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

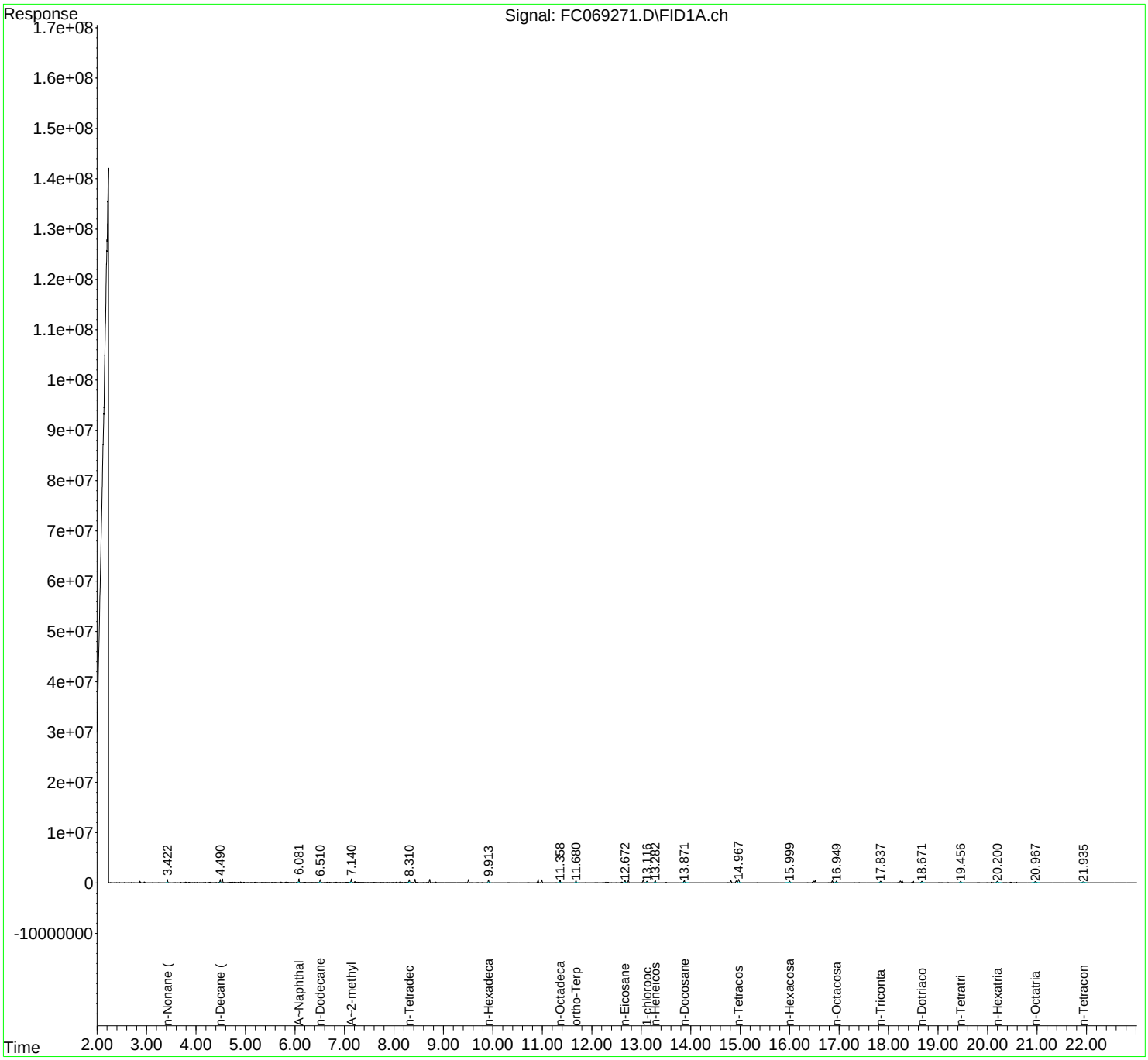
Instrument :
FID_C
ClientSampleId :
GCAP1MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

Integration File: autoint1.e
Quant Time: Jun 25 00:40:48 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



Instrument :
FID_C
ClientSampleId :
GCAP1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

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Area Percent Repor

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data
Data File : FC069271.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 16:57
Sample : Q2363-01MS
Misc :
ALS Vial : 20 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	% max.	% of total
1	3.248	3.204	3.262	BV	39303	457284	4.67%	0.121%
2	3.273	3.262	3.291	VV	22001	188996	1.93%	0.050%
3	3.302	3.291	3.307	VV	3065	21802	0.22%	0.006%
4	3.319	3.307	3.349	VV	5102	59214	0.60%	0.016%
5	3.373	3.349	3.383	PV	3538	32432	0.33%	0.009%
6	3.422	3.383	3.461	VV	641535	5752843	58.71%	1.520%
7	3.472	3.461	3.503	VV	8696	102616	1.05%	0.027%
8	3.522	3.503	3.531	VV	5155	46410	0.47%	0.012%
9	3.550	3.531	3.564	VV	31507	331169	3.38%	0.087%

Instrument :
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10	3.573	3.564	3.587	VV	19738	189731	1		
11	3.621	3.587	3.652	VV	26709	510716	5		
12	3.689	3.652	3.722	VV	73231	1084414	11.07%	0.286%	
13	3.749	3.722	3.766	VV	27747	423008	4.32%	0.112%	
14	3.792	3.766	3.815	VV	126410	1487008	15.18%	0.393%	
15	3.827	3.815	3.839	VV	35837	388563	3.97%	0.103%	
16	3.866	3.839	3.902	VV	81004	1306700	13.34%	0.345%	
17	3.917	3.902	3.946	VV	25174	363116	3.71%	0.096%	
18	3.964	3.946	3.982	VV	68888	613968	6.27%	0.162%	
19	4.009	3.982	4.057	VV	59316	1320043	13.47%	0.349%	
20	4.085	4.057	4.102	VV	25870	395215	4.03%	0.104%	
21	4.119	4.102	4.134	VV	33620	434324	4.43%	0.115%	
22	4.152	4.134	4.171	VV	50892	778293	7.94%	0.206%	
23	4.186	4.171	4.208	VV	80328	882721	9.01%	0.233%	
24	4.269	4.208	4.281	VV	74229	1242307	12.68%	0.328%	
25	4.296	4.281	4.320	VV	93910	1140253	11.64%	0.301%	
26	4.333	4.320	4.346	VV	33812	404554	4.13%	0.107%	
27	4.352	4.346	4.372	VV	22263	210204	2.15%	0.056%	
28	4.405	4.372	4.424	VV	48280	798822	8.15%	0.211%	
29	4.446	4.424	4.465	VV	48617	779436	7.95%	0.206%	
30	4.490	4.465	4.511	VV	650555	6195407	63.23%	1.637%	
31	4.533	4.511	4.580	VV	740531	7137425	72.84%	1.886%	
32	4.596	4.580	4.614	VV	22736	404625	4.13%	0.107%	
33	4.644	4.614	4.675	VV	60432	1510392	15.41%	0.399%	
34	4.691	4.675	4.706	VV	79047	1009567	10.30%	0.267%	
35	4.715	4.706	4.726	VV	44832	497211	5.07%	0.131%	

Instrument :
FID_C
ClientSampleId :
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Supervised By :mohammad ahmed 06/26/2025

36	4.742	4.726	4.758	VV	111347	1193522			
37	4.773	4.758	4.786	VV	108343	1152102			
38	4.796	4.786	4.810	VV	71133	843589	8.61%	0.223%	
39	4.820	4.810	4.832	VV	54301	561275	5.73%	0.148%	
40	4.861	4.832	4.878	VV	78516	1313129	13.40%	0.347%	
41	4.901	4.878	4.927	VV	143261	2073065	21.16%	0.548%	
42	4.936	4.927	4.945	VV	29870	297067	3.03%	0.078%	
43	4.966	4.945	4.988	VV	105469	1392015	14.21%	0.368%	
44	5.010	4.988	5.024	VV	48138	743035	7.58%	0.196%	
45	5.039	5.024	5.071	VV	55950	1066085	10.88%	0.282%	
46	5.120	5.071	5.154	VV	52774	1530117	15.62%	0.404%	
47	5.184	5.154	5.194	VV	68775	938756	9.58%	0.248%	
48	5.208	5.194	5.222	VV	97253	1104146	11.27%	0.292%	
49	5.232	5.222	5.272	VV	57814	1241971	12.67%	0.328%	
50	5.286	5.272	5.306	VV	34531	562420	5.74%	0.149%	
51	5.328	5.306	5.359	VV	85631	1706496	17.42%	0.451%	
52	5.367	5.359	5.375	VV	44935	397044	4.05%	0.105%	
53	5.388	5.375	5.404	VV	58353	786423	8.03%	0.208%	
54	5.419	5.404	5.433	VV	65225	830709	8.48%	0.219%	
55	5.450	5.433	5.503	VV	60139	1689391	17.24%	0.446%	
56	5.530	5.503	5.541	VV	77694	1137010	11.60%	0.300%	
57	5.554	5.541	5.580	VV	97369	1363176	13.91%	0.360%	
58	5.597	5.580	5.609	VV	51716	644038	6.57%	0.170%	
59	5.616	5.609	5.633	VV	40372	466178	4.76%	0.123%	
60	5.682	5.633	5.692	VV	39582	1239147	12.65%	0.327%	

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Supervised By :mohammad ahmed 06/26/2025

61	5.714	5.692	5.754	VV	133230	2359900			
62	5.773	5.754	5.788	VV	41410	731832	7		
63	5.826	5.788	5.848	VV	114528	2703311			
64	5.865	5.848	5.889	VV	86964	1339872	13.67%	0.354%	
65	5.897	5.889	5.907	VV	32600	318795	3.25%	0.084%	
66	5.936	5.907	5.961	VV	52779	1193851	12.18%	0.315%	
67	5.984	5.961	6.008	VV	55897	953632	9.73%	0.252%	
68	6.030	6.008	6.053	VV	66554	1245109	12.71%	0.329%	
69	6.081	6.053	6.142	VV	773053	8806135	89.87%	2.327%	
70	6.182	6.142	6.194	VV	53233	1234751	12.60%	0.326%	
71	6.212	6.194	6.240	VV	65834	1377631	14.06%	0.364%	
72	6.263	6.240	6.281	VV	51953	1073087	10.95%	0.284%	
73	6.296	6.281	6.307	VV	54488	727813	7.43%	0.192%	
74	6.346	6.307	6.369	VV	65160	2027691	20.69%	0.536%	
75	6.390	6.369	6.411	VV	71756	1228645	12.54%	0.325%	
76	6.439	6.411	6.456	VV	58661	1208209	12.33%	0.319%	
77	6.465	6.456	6.480	VV	49280	643278	6.56%	0.170%	
78	6.510	6.480	6.557	VV	621927	7555470	77.11%	1.996%	
79	6.599	6.557	6.615	VV	47768	1305031	13.32%	0.345%	
80	6.628	6.615	6.637	VV	41566	503716	5.14%	0.133%	
81	6.657	6.637	6.681	VV	101781	1642782	16.77%	0.434%	
82	6.706	6.681	6.751	VV	70849	1975998	20.17%	0.522%	
83	6.786	6.751	6.809	VV	62800	1507534	15.39%	0.398%	
84	6.834	6.809	6.872	VV	90657	1949508	19.90%	0.515%	
85	6.910	6.872	6.931	VV	58704	1502572	15.33%	0.397%	
86	6.969	6.931	6.995	VV	51795	1479901	15.10%	0.391%	

Instrument :
FID_C
ClientSampleId :
GCAP1MS

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Supervised By :mohammad ahmed 06/26/2025

87	7.015	6.995	7.025	VV	53484	800651	8		
88	7.040	7.025	7.055	VV	66494	984431	1(		
89	7.071	7.055	7.100	VV	69648	1356068	1		
90	7.140	7.100	7.190	VV	708532	8505445	86.80%	2.247%	
91	7.212	7.190	7.255	VV	207293	3470432	35.42%	0.917%	
92	7.272	7.255	7.296	VV	99083	1539798	15.71%	0.407%	
93	7.315	7.296	7.334	VV	67639	1119485	11.42%	0.296%	
94	7.344	7.334	7.351	VV	39737	399840	4.08%	0.106%	
95	7.360	7.351	7.378	VV	40111	582378	5.94%	0.154%	
96	7.401	7.378	7.466	VV	51930	2223652	22.69%	0.587%	
97	7.487	7.466	7.512	VV	48829	1187898	12.12%	0.314%	
98	7.527	7.512	7.561	VV	51742	1323900	13.51%	0.350%	
99	7.573	7.561	7.583	VV	46216	566685	5.78%	0.150%	
100	7.609	7.583	7.635	VV	69198	1676713	17.11%	0.443%	
101	7.652	7.635	7.679	VV	42292	981268	10.01%	0.259%	
102	7.694	7.679	7.713	VV	39366	684182	6.98%	0.181%	
103	7.776	7.713	7.834	VV	68344	2998600	30.60%	0.792%	
104	7.862	7.834	7.888	VV	41512	1156472	11.80%	0.306%	
105	7.905	7.888	7.928	VV	39707	922622	9.42%	0.244%	
106	7.956	7.928	7.972	VV	40880	947871	9.67%	0.250%	
107	8.016	7.972	8.044	VV	52379	1883442	19.22%	0.498%	
108	8.055	8.044	8.084	VV	39252	871095	8.89%	0.230%	
109	8.129	8.084	8.152	VV	199521	3343096	34.12%	0.883%	
110	8.162	8.152	8.203	VV	40474	1102959	11.26%	0.291%	
111	8.237	8.203	8.251	VV	85662	1626803	16.60%	0.430%	
112	8.264	8.251	8.282	VV	72718	1019389	10.40%	0.269%	

Instrument :
FID_C
ClientSampleId :
GCAP1MS

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Manual IntegrationsAPPROVED

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113	8.310	8.282	8.336	VV	601772	7036195		
114	8.355	8.336	8.375	VV	57162	1008793		
115	8.426	8.375	8.463	VV	703392	8729074		
116	8.477	8.463	8.493	VV	49497	774722	7.91%	0.205%
117	8.506	8.493	8.545	VV	37512	1089551	11.12%	0.288%
118	8.557	8.545	8.572	VV	34445	506177	5.17%	0.134%
119	8.595	8.572	8.621	VV	42290	1011014	10.32%	0.267%
120	8.634	8.621	8.647	VV	30142	424628	4.33%	0.112%
121	8.667	8.647	8.684	VV	44339	753301	7.69%	0.199%
122	8.723	8.684	8.749	VV	667292	7693846	78.52%	2.033%
123	8.772	8.749	8.793	VV	40950	853469	8.71%	0.225%
124	8.845	8.793	8.871	VV	134353	2576991	26.30%	0.681%
125	8.884	8.871	8.906	VV	28597	559776	5.71%	0.148%
126	8.922	8.906	8.938	VV	25539	449806	4.59%	0.119%
127	8.958	8.938	8.975	VV	35750	655584	6.69%	0.173%
128	8.991	8.975	9.012	VV	38109	672154	6.86%	0.178%
129	9.025	9.012	9.044	VV	24551	434914	4.44%	0.115%
130	9.078	9.044	9.094	VV	33443	800241	8.17%	0.211%
131	9.125	9.094	9.143	VV	35316	828857	8.46%	0.219%
132	9.167	9.143	9.198	VV	36618	914560	9.33%	0.242%
133	9.215	9.198	9.239	VV	27272	542106	5.53%	0.143%
134	9.282	9.239	9.300	VV	28091	794828	8.11%	0.210%
135	9.314	9.300	9.345	VV	22203	473242	4.83%	0.125%
136	9.364	9.345	9.382	VV	18389	355211	3.63%	0.094%
137	9.421	9.382	9.445	VV	25436	702578	7.17%	0.186%
138	9.460	9.445	9.476	VV	16666	283923	2.90%	0.075%

Instrument :
FID_C
ClientSampleId :
GCAP1MS

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

139	9.509	9.476	9.557	VV	626964	7207039		
140	9.582	9.557	9.612	VV	28194	612242		
141	9.621	9.612	9.634	VV	12604	162254	1.66%	0.043%
142	9.669	9.634	9.699	VV	17655	573244	5.85%	0.151%
143	9.716	9.699	9.756	VV	18674	454815	4.64%	0.120%
144	9.779	9.756	9.804	VV	43206	594214	6.06%	0.157%
145	9.826	9.804	9.843	VV	13017	251718	2.57%	0.067%
146	9.867	9.843	9.881	VV	14849	285498	2.91%	0.075%
147	9.913	9.881	9.961	VV	535387	6278495	64.08%	1.659%
148	9.993	9.961	10.005	VV	9610	242026	2.47%	0.064%
149	10.014	10.005	10.055	VV	9341	228120	2.33%	0.060%
150	10.084	10.055	10.108	VV	7539	203942	2.08%	0.054%
151	10.124	10.108	10.169	VV	6106	203479	2.08%	0.054%
152	10.188	10.169	10.214	VV	6485	144030	1.47%	0.038%
153	10.251	10.214	10.272	VV	7081	194200	1.98%	0.051%
154	10.324	10.272	10.370	VV	37767	955619	9.75%	0.252%
155	10.386	10.370	10.414	VV	6965	151505	1.55%	0.040%
156	10.429	10.414	10.438	VV	4852	62631	0.64%	0.017%
157	10.447	10.438	10.470	VV	4866	79687	0.81%	0.021%
158	10.491	10.470	10.525	VV	10451	188119	1.92%	0.050%
159	10.551	10.525	10.565	VV	4114	92461	0.94%	0.024%
160	10.583	10.565	10.617	VV	4532	125044	1.28%	0.033%
161	10.650	10.617	10.665	VV	6497	131354	1.34%	0.035%
162	10.674	10.665	10.686	VV	5123	59666	0.61%	0.016%
163	10.721	10.686	10.758	VV	25975	516669	5.27%	0.137%
164	10.772	10.758	10.851	VV	3968	168054	1.72%	0.044%

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FID_C
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GCAP1MS

rteres

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165	10.915	10.851	10.954	VV	556878	633751			
166	10.990	10.954	11.018	VV	573641	600016			
167	11.045	11.018	11.090	VV	4033	135396	1.38%	0.036%	
168	11.128	11.090	11.146	VV	4005	95083	0.97%	0.025%	
169	11.160	11.146	11.177	VV	3624	57187	0.58%	0.015%	
170	11.195	11.177	11.238	VV	5016	103517	1.06%	0.027%	
171	11.278	11.238	11.312	VV	19030	274691	2.80%	0.073%	
172	11.358	11.312	11.400	VV	488565	5689064	58.06%	1.503%	
173	11.446	11.400	11.483	VV	9575	221976	2.27%	0.059%	
174	11.516	11.483	11.538	VV	3057	86771	0.89%	0.023%	
175	11.549	11.538	11.561	VV	2235	28976	0.30%	0.008%	
176	11.569	11.561	11.584	VV	2263	31061	0.32%	0.008%	
177	11.615	11.584	11.643	VV	5109	117272	1.20%	0.031%	
178	11.680	11.643	11.728	VV	418483	4617247	47.12%	1.220%	
179	11.746	11.728	11.766	VV	4878	79405	0.81%	0.021%	
180	11.778	11.766	11.795	VV	3087	47576	0.49%	0.013%	
181	11.827	11.795	11.847	VV	6283	126054	1.29%	0.033%	
182	11.873	11.847	11.907	VV	19133	320559	3.27%	0.085%	
183	11.924	11.907	11.946	VV	5261	92277	0.94%	0.024%	
184	11.961	11.946	11.974	VV	3423	49848	0.51%	0.013%	
185	12.004	11.974	12.016	VV	6762	117395	1.20%	0.031%	
186	12.026	12.016	12.043	VV	6334	88395	0.90%	0.023%	
187	12.070	12.043	12.087	VV	23390	356679	3.64%	0.094%	
188	12.097	12.087	12.109	VV	14760	172501	1.76%	0.046%	
189	12.118	12.109	12.176	VV	12953	248778	2.54%	0.066%	
190	12.190	12.176	12.204	VV	3555	54537	0.56%	0.014%	

Instrument :
FID_C
ClientSampleId :
GCAP1MS

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191	12.229	12.204	12.252	VV	52859	619107			
192	12.279	12.252	12.302	VV	113564	140880			
193	12.325	12.302	12.373	VV	73530	987713	10.08%	0.261%	
194	12.397	12.373	12.471	VV	17888	365592	3.73%	0.097%	
195	12.496	12.471	12.548	VV	31648	450740	4.60%	0.119%	
196	12.608	12.548	12.636	VV	114104	1410916	14.40%	0.373%	
197	12.671	12.636	12.703	VV	461534	5570714	56.85%	1.472%	
198	12.740	12.703	12.787	VV	493609	5787085	59.06%	1.529%	
199	12.818	12.787	12.850	VV	5576	126485	1.29%	0.033%	
200	12.861	12.850	12.881	VV	2632	43297	0.44%	0.011%	
201	12.920	12.881	12.970	VV	9939	191407	1.95%	0.051%	
202	12.982	12.970	12.991	VV	1597	19068	0.19%	0.005%	
203	13.039	12.991	13.082	VV	480694	5939669	60.62%	1.569%	
204	13.115	13.082	13.142	VV	294061	3658214	37.33%	0.966%	
205	13.155	13.142	13.181	VV	5974	82694	0.84%	0.022%	
206	13.201	13.181	13.210	VV	1869	29318	0.30%	0.008%	
207	13.229	13.210	13.247	VV	4081	58889	0.60%	0.016%	
208	13.283	13.247	13.319	VV	433225	5241675	53.49%	1.385%	
209	13.344	13.319	13.406	VV	7053	194989	1.99%	0.052%	
210	13.430	13.406	13.449	VV	2014	44507	0.45%	0.012%	
211	13.504	13.449	13.568	VV	45957	750713	7.66%	0.198%	
212	13.588	13.568	13.599	VV	3621	57234	0.58%	0.015%	
213	13.620	13.599	13.672	VV	11451	196747	2.01%	0.052%	
214	13.730	13.672	13.750	VV	4171	113283	1.16%	0.030%	
215	13.781	13.750	13.832	VV	4034	132956	1.36%	0.035%	

Instrument :
FID_C
ClientSampleId :
GCAP1MS

rteres

Manual IntegrationsAPPROVED

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216	13.870	13.832	13.928	VV	394407	512841		
217	13.939	13.928	13.957	VV	1724	24680		
218	13.991	13.957	14.010	VV	1611	40579		
219	14.044	14.010	14.064	VV	2596	55768	0.57%	0.015%
220	14.078	14.064	14.089	VV	1618	22183	0.23%	0.006%
221	14.108	14.089	14.121	VV	2810	41451	0.42%	0.011%
222	14.139	14.121	14.193	VV	5304	92839	0.95%	0.025%
223	14.222	14.193	14.237	VV	967	19318	0.20%	0.005%
224	14.260	14.237	14.281	VV	2912	42912	0.44%	0.011%
225	14.307	14.281	14.338	VV	4043	72776	0.74%	0.019%
226	14.355	14.338	14.403	VV	1574	36270	0.37%	0.010%
227	14.432	14.403	14.455	VV	3530	53141	0.54%	0.014%
228	14.488	14.455	14.510	VV	1599	42589	0.43%	0.011%
229	14.535	14.510	14.554	VV	2319	45459	0.46%	0.012%
230	14.598	14.554	14.620	VV	2966	73541	0.75%	0.019%
231	14.658	14.620	14.702	VV	2030	52398	0.53%	0.014%
232	14.747	14.702	14.776	VV	14950	201420	2.06%	0.053%
233	14.813	14.776	14.848	VV	382317	4851818	49.52%	1.282%
234	14.868	14.848	14.881	VV	866	14037	0.14%	0.004%
235	14.922	14.881	14.941	VV	372934	5101765	52.07%	1.348%
236	14.968	14.941	15.027	VV	665096	9798659	100.00%	2.589%
237	15.043	15.027	15.057	VV	1526	18631	0.19%	0.005%
238	15.073	15.057	15.095	VV	1539	22297	0.23%	0.006%
239	15.110	15.095	15.134	VV	808	11699	0.12%	0.003%
240	15.153	15.134	15.188	VV	803	11712	0.12%	0.003%
241	15.210	15.188	15.240	PV	913	16652	0.17%	0.004%

Instrument :
FID_C
ClientSampleId :
GCAP1MS

rteres

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242	15.299	15.240	15.317	VV	1377	36290			
243	15.349	15.317	15.411	VV	34844	492066			
244	15.438	15.411	15.466	VV	1050	21385			
245	15.492	15.466	15.527	VV	4537	65934	0.67%	0.017%	
246	15.546	15.527	15.554	VV	900	10135	0.10%	0.003%	
247	15.583	15.554	15.606	VV	1991	36552	0.37%	0.010%	
248	15.624	15.606	15.650	VV	1152	14249	0.15%	0.004%	
249	15.665	15.650	15.679	PV	343	3228	0.03%	0.001%	
250	15.686	15.679	15.698	VV	172	1327	0.01%	0.000%	
251	15.746	15.698	15.782	VV	1459	40223	0.41%	0.011%	
252	15.821	15.782	15.849	VV	1255	32819	0.33%	0.009%	
253	15.869	15.849	15.891	VV	2094	35501	0.36%	0.009%	
254	15.904	15.891	15.924	VV	1080	20723	0.21%	0.005%	
255	15.999	15.924	16.040	VV	352543	4658366	47.54%	1.231%	
256	16.061	16.040	16.089	VV	1885	43695	0.45%	0.012%	
257	16.128	16.089	16.137	VV	2233	52106	0.53%	0.014%	
258	16.167	16.137	16.186	VV	3457	86269	0.88%	0.023%	
259	16.216	16.186	16.257	VV	5362	180960	1.85%	0.048%	
260	16.283	16.257	16.317	VV	6769	175695	1.79%	0.046%	
261	16.365	16.317	16.391	VV	14083	332769	3.40%	0.088%	
262	16.420	16.391	16.438	VV	4771	120800	1.23%	0.032%	
263	16.481	16.438	16.497	VV	320172	4929789	50.31%	1.302%	
264	16.515	16.497	16.587	VV	383112	4769034	48.67%	1.260%	
265	16.606	16.587	16.623	VV	3411	57131	0.58%	0.015%	
266	16.641	16.623	16.701	VV	3105	85508	0.87%	0.023%	
267	16.724	16.701	16.752	VV	3962	60206	0.61%	0.016%	

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FID_C
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GCAP1MS

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268	16.790	16.752	16.820	VV	12503	262411		
269	16.863	16.820	16.893	VV	361287	459380		
270	16.948	16.893	16.981	VV	329234	441810		
271	16.999	16.981	17.008	VV	5023	60696	0.62%	0.016%
272	17.023	17.008	17.058	VV	6635	95537	0.97%	0.025%
273	17.095	17.058	17.130	VV	893	18685	0.19%	0.005%
274	17.163	17.130	17.204	VV	3907	67292	0.69%	0.018%
275	17.219	17.204	17.274	VV	1002	28618	0.29%	0.008%
276	17.309	17.274	17.361	VV	13962	234386	2.39%	0.062%
277	17.398	17.361	17.422	VV	11048	165210	1.69%	0.044%
278	17.438	17.422	17.464	VV	2865	41707	0.43%	0.011%
279	17.480	17.464	17.497	VV	778	12621	0.13%	0.003%
280	17.505	17.497	17.541	VV	786	16535	0.17%	0.004%
281	17.556	17.541	17.591	VV	488	7794	0.08%	0.002%
282	17.623	17.591	17.651	PV	655	13203	0.13%	0.003%
283	17.682	17.651	17.698	VV	619	11763	0.12%	0.003%
284	17.726	17.698	17.745	VV	3523	53173	0.54%	0.014%
285	17.765	17.745	17.790	VV	3113	54661	0.56%	0.014%
286	17.839	17.790	17.875	VV	303490	4309366	43.98%	1.139%
287	17.926	17.875	17.969	VV	5157	124366	1.27%	0.033%
288	18.017	17.969	18.043	VV	1734	57904	0.59%	0.015%
289	18.076	18.043	18.106	VV	2133	57276	0.58%	0.015%
290	18.238	18.106	18.253	VV	331918	5422086	55.33%	1.432%
291	18.275	18.253	18.318	VV	344123	4629109	47.24%	1.223%
292	18.386	18.318	18.437	VV	4796	214677	2.19%	0.057%
293	18.496	18.437	18.546	VV	320030	4482422	45.75%	1.184%

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ClientSampleId :
GCAP1MS

rteres

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294	18.561	18.546	18.579	VV	2162	39997			
295	18.612	18.579	18.631	VV	3387	81213			
296	18.672	18.631	18.729	VV	300494	4307307	43.96%	1.138%	
297	18.772	18.729	18.815	VV	5912	195050	1.99%	0.052%	
298	18.835	18.815	18.861	VV	4106	91891	0.94%	0.024%	
299	18.883	18.861	18.904	VV	3642	79265	0.81%	0.021%	
300	18.921	18.904	18.931	VV	3006	47006	0.48%	0.012%	
301	18.959	18.931	18.981	VV	4526	111902	1.14%	0.030%	
302	19.024	18.981	19.049	VV	19873	435860	4.45%	0.115%	
303	19.072	19.049	19.128	VV	19365	448560	4.58%	0.119%	
304	19.161	19.128	19.185	VV	5574	160120	1.63%	0.042%	
305	19.209	19.185	19.243	VV	7718	185741	1.90%	0.049%	
306	19.265	19.243	19.291	VV	4941	121003	1.23%	0.032%	
307	19.324	19.291	19.347	VV	6115	176710	1.80%	0.047%	
308	19.362	19.347	19.391	VV	5629	127928	1.31%	0.034%	
309	19.457	19.391	19.506	VV	292958	4510405	46.03%	1.192%	
310	19.525	19.506	19.538	VV	5662	101770	1.04%	0.027%	
311	19.561	19.538	19.594	VV	6919	181404	1.85%	0.048%	
312	19.633	19.594	19.671	VV	6709	239828	2.45%	0.063%	
313	19.700	19.671	19.718	VV	6099	149233	1.52%	0.039%	
314	19.740	19.718	19.771	VV	6775	190894	1.95%	0.050%	
315	19.827	19.771	19.856	VV	11513	408196	4.17%	0.108%	
316	19.864	19.856	19.901	VV	5573	144846	1.48%	0.038%	
317	19.929	19.901	19.951	VV	5534	152835	1.56%	0.040%	
318	19.995	19.951	20.033	VV	8471	317161	3.24%	0.084%	
319	20.100	20.033	20.133	VV	10522	419149	4.28%	0.111%	

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320	20.199	20.133	20.280	VV	280696	448439			
321	20.361	20.280	20.407	VV	8964	512793			
322	20.466	20.407	20.498	VV	6604	327908	3.35%	0.087%	
323	20.556	20.498	20.601	VV	8743	419927	4.29%	0.111%	
324	20.624	20.601	20.654	VV	5932	178491	1.82%	0.047%	
325	20.669	20.654	20.708	VV	5584	169174	1.73%	0.045%	
326	20.746	20.708	20.794	VV	5137	247647	2.53%	0.065%	
327	20.802	20.794	20.832	VV	4316	95869	0.98%	0.025%	
328	20.841	20.832	20.850	VV	4242	45104	0.46%	0.012%	
329	20.873	20.850	20.908	VV	4384	144631	1.48%	0.038%	
330	20.968	20.908	21.129	VV	221023	4543902	46.37%	1.200%	
331	21.169	21.129	21.208	VV	3878	158382	1.62%	0.042%	
332	21.225	21.208	21.234	VV	2956	46535	0.47%	0.012%	
333	21.301	21.234	21.333	VV	3041	175469	1.79%	0.046%	
334	21.350	21.333	21.367	VV	2915	58429	0.60%	0.015%	
335	21.415	21.367	21.528	VV	4711	306501	3.13%	0.081%	
336	21.536	21.528	21.598	VV	2404	94371	0.96%	0.025%	
337	21.612	21.598	21.651	VV	2231	68052	0.69%	0.018%	
338	21.667	21.651	21.701	VV	2119	55507	0.57%	0.015%	
339	21.752	21.701	21.821	VV	2133	123479	1.26%	0.033%	
340	21.841	21.821	21.868	VV	1795	44638	0.46%	0.012%	
341	21.936	21.868	22.060	VV	161245	4136469	42.21%	1.093%	
342	22.152	22.060	22.162	VV	1635	57930	0.59%	0.015%	
343	22.195	22.162	22.247	VV	1712	72048	0.74%	0.019%	
344	22.258	22.247	22.336	VV	988	31915	0.33%	0.008%	
345	22.344	22.336	22.369	VV	243	4024	0.04%	0.001%	

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FID_C
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GCAP1MS

rteres

Manual IntegrationsAPPROVED

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346 22.378 22.369 22.422 VV 168 3301 0

Sum of corrected areas: 378508673

Aliphatic EPH 061825.M Wed Jun 25 01:24:31 2025

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Capra			Date Received:	
Client Sample ID:	GCAP1MSD			SDG No.:	Q2363
Lab Sample ID:	Q2363-01MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	85.5
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_F2
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/24/25 08:47	06/24/25 17:45	PB168596

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	156	E	1	1.06	4.68	mg/kg	FC069272.D
Total EPH	Total EPH	156			1.06	4.68	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Capra		Date Received:		
Client Sample ID:	GCAP1MSD		SDG No.:	Q2363	
Lab Sample ID:	Q2363-01MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.5	
Sample Wt/Vol:	30.05 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069272.D	1	06/24/25	06/24/25	PB168596

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		156	E	1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		38.9		1.38	2.34	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		26.3		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		24.9		40 - 140	50%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2363-01MSD	Acq On:	24 Jun 2025 17:45
Client Sample ID:	GCAP1MSD	Operator:	YP/AJ
Data file:	FC069272.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.308	6.606	97115317	662.091	300	ug/ml
Aliphatic C12-C16	6.607	10.010	105116721	660.237	200	ug/ml
Aliphatic C16-C21	10.011	13.381	49548670	320.84	300	ug/ml
Aliphatic C21-C28	13.382	17.047	49114203	366.616	400	ug/ml
Aliphatic C28-C40	17.048	22.029	45995912	499.28	600	ug/ml
Aliphatic EPH	3.308	22.029	346890823	2510		ug/ml
ortho-Terphenyl (SURR)	11.680	11.680	4302738	24.91		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	3439876	26.33		ug/ml
Aliphatic C9-C28	3.308	17.047	300894911	2010	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069272.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 17:45
Operator : YP/AJ
Sample : Q2363-01MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jun 25 00:41:03 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

Instrument :
FID_C
ClientSampleId :
GCAP1MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.680	4302738	24.906 ug/ml
Spiked Amount	50.000		Recovery =	49.81%
12)	S 1-chlorooctadecane (S...	13.115	3439876	26.331 ug/ml
Spiked Amount	50.000		Recovery =	52.66%
	Target Compounds			
1)	T n-Nonane (C9)	3.422	5181775	36.435 ug/mlm
2)	T n-Decane (C10)	4.489	5633862	38.484 ug/mlm
3)	T A~Naphthalene (C11.7)	6.081	6777479	42.124 ug/mlm
4)	T n-Dodecane (C12)	6.510	5793128	38.257 ug/mlm
5)	T A~2-methylnaphthalene...	7.140	6392161	40.393 ug/mlm
6)	T n-Tetradecane (C14)	8.309	5677398	36.627 ug/mlm
7)	T n-Hexadecane (C16)	9.912	5508776	33.710 ug/ml
8)	T n-Octadecane (C18)	11.358	5226782	32.013 ug/ml
10)	T n-Eicosane (C20)	12.671	5164018	33.831 ug/ml
11)	T n-Heneicosane (C21)	13.284	4862028	32.987 ug/ml
13)	T n-Docosane (C22)	13.870	4737844	32.929 ug/ml
14)	T n-Tetracosane (C24)	14.968	9068396	65.746 ug/ml
15)	T n-Hexacosane (C26)	15.999	4263978	32.618 ug/ml
16)	T n-Octacosane (C28)	16.950	4051199	32.849 ug/ml
17)	T n-Tricontane (C30)	17.839	3848973	32.376 ug/ml
18)	T n-Dotriacontane (C32)	18.672	3785101	34.619 ug/ml
19)	T n-Tetratriacontane (C34)	19.457	3781319	39.158 ug/ml
20)	T n-Hexatriacontane (C36)	20.199	3616469	43.883 ug/ml
21)	T n-Octatriacontane (C38)	20.968	3724943	49.845 ug/ml
22)	T n-Tetracontane (C40)	21.937	3693685	52.159 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC062425AL\
Data File : FC069272.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 17:45
Operator : YP/AJ
Sample : Q2363-01MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GCAP1MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/25/2025
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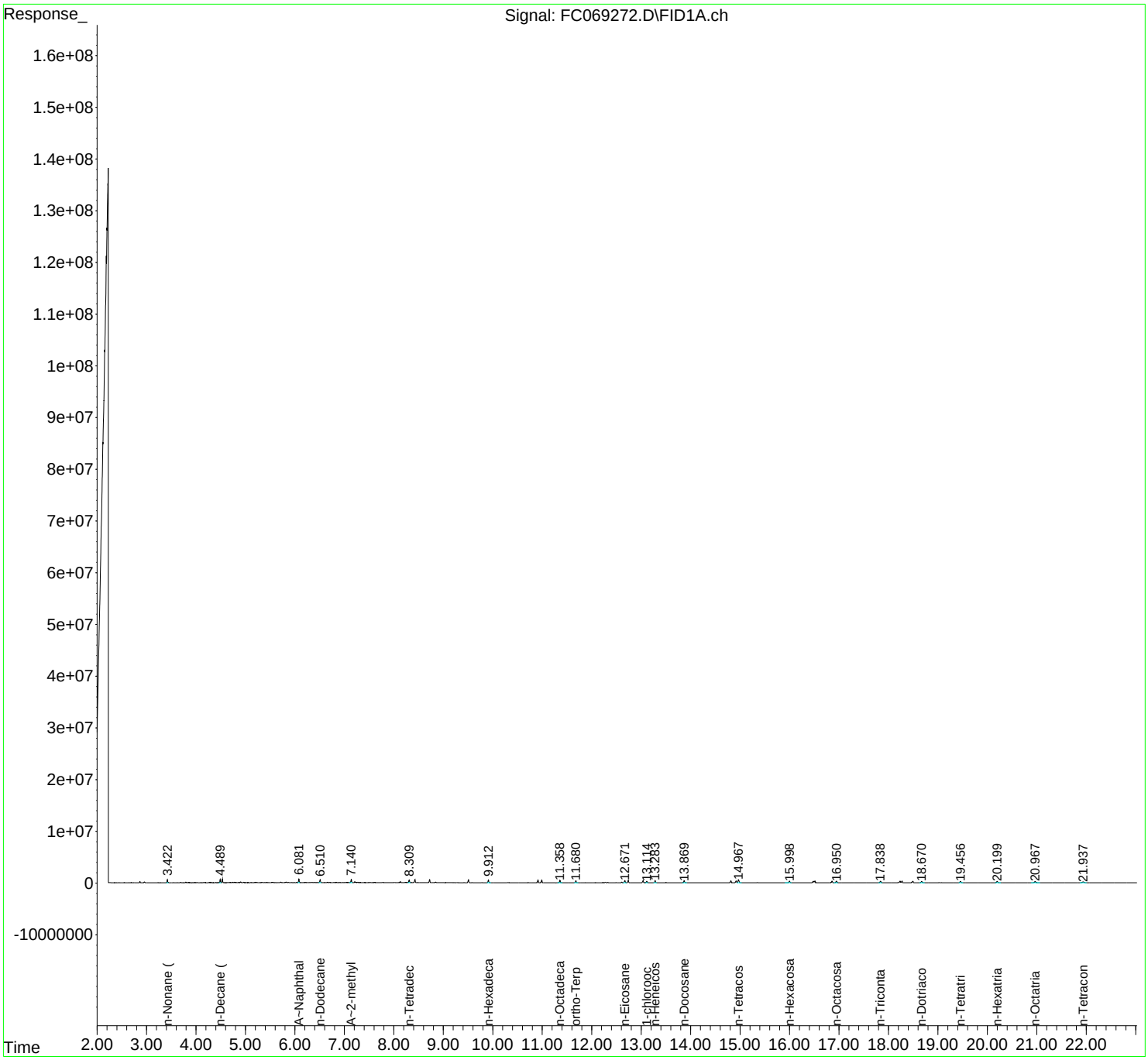
Integration File: autoint1.e
Quant Time: Jun 25 00:41:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_C
ClientSampleId :
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Area Percent Repor

Manual IntegrationsAPPROVED

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data
Data File : FC069272.D
Signal(s) : FID1A.ch
Acq On : 24 Jun 2025 17:45
Sample : Q2363-01MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.247	3.204	3.262	BV	38110	440378	4.84%	0.124%
2	3.272	3.262	3.291	VV	20758	181788	2.00%	0.051%
3	3.319	3.291	3.347	VV	4952	77614	0.85%	0.022%
4	3.373	3.347	3.383	PV	3392	30777	0.34%	0.009%
5	3.422	3.383	3.461	VV	615029	5470226	60.18%	1.539%
6	3.472	3.461	3.503	VV	8252	98535	1.08%	0.028%
7	3.522	3.503	3.531	VV	4955	44316	0.49%	0.012%
8	3.550	3.531	3.564	VV	30912	319136	3.51%	0.090%
9	3.573	3.564	3.587	VV	18671	180910	1.99%	0.051%

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ClientSampleId :
GCAP1MSD

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10	3.622	3.587	3.652	VV	25072	490010	5		
11	3.689	3.652	3.722	VV	71572	1039674	1		
12	3.749	3.722	3.766	VV	26724	406299	4.47%	0.114%	
13	3.793	3.766	3.816	VV	122666	1428025	15.71%	0.402%	
14	3.827	3.816	3.838	VV	33876	368287	4.05%	0.104%	
15	3.865	3.838	3.902	VV	78388	1255270	13.81%	0.353%	
16	3.917	3.902	3.946	VV	24319	347073	3.82%	0.098%	
17	3.964	3.946	3.982	VV	65171	587032	6.46%	0.165%	
18	4.009	3.982	4.057	VV	56921	1263293	13.90%	0.355%	
19	4.084	4.057	4.102	VV	24788	379233	4.17%	0.107%	
20	4.119	4.102	4.133	VV	31902	410850	4.52%	0.116%	
21	4.152	4.133	4.171	VV	48635	749605	8.25%	0.211%	
22	4.186	4.171	4.208	VV	76906	843835	9.28%	0.237%	
23	4.269	4.208	4.281	VV	70175	1184149	13.03%	0.333%	
24	4.296	4.281	4.320	VV	89266	1092360	12.02%	0.307%	
25	4.333	4.320	4.346	VV	32647	385221	4.24%	0.108%	
26	4.352	4.346	4.372	VV	21273	200364	2.20%	0.056%	
27	4.405	4.372	4.424	VV	46511	761223	8.37%	0.214%	
28	4.446	4.424	4.465	VV	46426	749736	8.25%	0.211%	
29	4.490	4.465	4.511	VV	628112	5850728	64.36%	1.646%	
30	4.533	4.511	4.579	VV	716039	6762409	74.39%	1.902%	
31	4.596	4.579	4.614	VV	21773	386347	4.25%	0.109%	
32	4.644	4.614	4.675	VV	57816	1449334	15.94%	0.408%	
33	4.690	4.675	4.705	VV	74675	952872	10.48%	0.268%	
34	4.715	4.705	4.726	VV	42475	476530	5.24%	0.134%	
35	4.742	4.726	4.758	VV	107530	1139325	12.53%	0.320%	

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36	4.773	4.758	4.786	VV	102185	1097821			
37	4.796	4.786	4.811	VV	67943	807780	8		
38	4.820	4.811	4.832	VV	51604	534935	5.88%	0.150%	
39	4.861	4.832	4.878	VV	75370	1249149	13.74%	0.351%	
40	4.901	4.878	4.927	VV	138183	1976338	21.74%	0.556%	
41	4.936	4.927	4.945	VV	28479	286558	3.15%	0.081%	
42	4.966	4.945	4.988	VV	100124	1327013	14.60%	0.373%	
43	5.010	4.988	5.024	VV	46026	710915	7.82%	0.200%	
44	5.039	5.024	5.071	VV	52655	1011469	11.13%	0.284%	
45	5.120	5.071	5.154	VV	49770	1456381	16.02%	0.410%	
46	5.184	5.154	5.194	VV	65388	890588	9.80%	0.250%	
47	5.208	5.194	5.222	VV	91340	1058015	11.64%	0.298%	
48	5.232	5.222	5.272	VV	54530	1184007	13.02%	0.333%	
49	5.286	5.272	5.306	VV	33024	536074	5.90%	0.151%	
50	5.328	5.306	5.375	VV	82411	1990694	21.90%	0.560%	
51	5.388	5.375	5.404	VV	56366	758656	8.35%	0.213%	
52	5.420	5.404	5.434	VV	62602	788285	8.67%	0.222%	
53	5.451	5.434	5.503	VV	57317	1602824	17.63%	0.451%	
54	5.531	5.503	5.541	VV	73105	1084048	11.93%	0.305%	
55	5.555	5.541	5.580	VV	93098	1303074	14.33%	0.366%	
56	5.597	5.580	5.609	VV	49096	612031	6.73%	0.172%	
57	5.617	5.609	5.633	VV	38530	442902	4.87%	0.125%	
58	5.662	5.633	5.672	VV	35949	729274	8.02%	0.205%	
59	5.683	5.672	5.693	VV	37388	449426	4.94%	0.126%	
60	5.714	5.693	5.754	VV	127654	2241087	24.65%	0.630%	

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61	5.773	5.754	5.788	VV	38677	695644	7		
62	5.825	5.788	5.848	VV	109072	2571536			
63	5.865	5.848	5.907	VV	81563	1585408	1		
64	5.936	5.907	5.961	VV	50385	1129753	12.43%	0.318%	
65	5.984	5.961	6.008	VV	52898	903422	9.94%	0.254%	
66	6.030	6.008	6.053	VV	62531	1183822	13.02%	0.333%	
67	6.081	6.053	6.143	VV	751185	8342258	91.77%	2.346%	
68	6.182	6.143	6.195	VV	51193	1171541	12.89%	0.329%	
69	6.212	6.195	6.240	VV	63619	1308414	14.39%	0.368%	
70	6.263	6.240	6.281	VV	49781	1016946	11.19%	0.286%	
71	6.296	6.281	6.308	VV	52072	701981	7.72%	0.197%	
72	6.347	6.308	6.370	VV	62082	1915953	21.08%	0.539%	
73	6.389	6.370	6.411	VV	68412	1179360	12.97%	0.332%	
74	6.439	6.411	6.455	VV	55159	1132785	12.46%	0.319%	
75	6.466	6.455	6.480	VV	46699	626252	6.89%	0.176%	
76	6.510	6.480	6.558	VV	596756	7111590	78.23%	2.000%	
77	6.599	6.558	6.615	VV	45257	1228710	13.52%	0.346%	
78	6.627	6.615	6.637	VV	39050	480745	5.29%	0.135%	
79	6.658	6.637	6.681	VV	96271	1564670	17.21%	0.440%	
80	6.707	6.681	6.722	VV	66722	1257395	13.83%	0.354%	
81	6.730	6.722	6.763	VV	43551	844891	9.29%	0.238%	
82	6.787	6.763	6.809	VV	60254	1202343	13.23%	0.338%	
83	6.834	6.809	6.873	VV	86201	1868695	20.56%	0.526%	
84	6.910	6.873	6.931	VV	56307	1403777	15.44%	0.395%	
85	6.971	6.931	6.995	VV	48458	1415305	15.57%	0.398%	
86	7.016	6.995	7.025	VV	50715	755336	8.31%	0.212%	

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87	7.040	7.025	7.055	VV	62550	929919	1(		
88	7.072	7.055	7.100	VV	66421	1282910	1		
89	7.140	7.100	7.190	VV	652481	8038411			
90	7.213	7.190	7.255	VV	199774	3272240	36.00%	0.920%	
91	7.272	7.255	7.296	VV	93539	1476138	16.24%	0.415%	
92	7.315	7.296	7.334	VV	64457	1046688	11.51%	0.294%	
93	7.344	7.334	7.378	VV	38245	933481	10.27%	0.263%	
94	7.401	7.378	7.467	VV	48709	2114828	23.26%	0.595%	
95	7.488	7.467	7.511	VV	46587	1088049	11.97%	0.306%	
96	7.527	7.511	7.561	VV	49169	1271358	13.99%	0.358%	
97	7.573	7.561	7.583	VV	43881	539667	5.94%	0.152%	
98	7.610	7.583	7.636	VV	65539	1590431	17.50%	0.447%	
99	7.654	7.636	7.679	VV	39509	930538	10.24%	0.262%	
100	7.694	7.679	7.712	VV	37141	628526	6.91%	0.177%	
101	7.776	7.712	7.834	VV	67553	2842788	31.27%	0.800%	
102	7.862	7.834	7.884	VV	39385	1022252	11.25%	0.288%	
103	7.910	7.884	7.930	VV	37164	958179	10.54%	0.269%	
104	7.956	7.930	7.973	VV	38081	904333	9.95%	0.254%	
105	8.015	7.973	8.046	VV	48831	1779919	19.58%	0.501%	
106	8.057	8.046	8.083	VV	37301	775209	8.53%	0.218%	
107	8.130	8.083	8.203	VV	191094	4226499	46.49%	1.189%	
108	8.237	8.203	8.252	VV	79673	1539018	16.93%	0.433%	
109	8.265	8.252	8.282	VV	69317	961722	10.58%	0.270%	
110	8.310	8.282	8.336	VV	561589	6580141	72.39%	1.851%	
111	8.355	8.336	8.375	VV	53299	961586	10.58%	0.270%	
112	8.426	8.375	8.463	VV	653542	8220955	90.44%	2.312%	

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113	8.477	8.463	8.493	VV	46625	725454		
114	8.505	8.493	8.519	VV	35512	544491		
115	8.529	8.519	8.545	VV	35288	509685		
116	8.558	8.545	8.572	VV	32554	466634	5.13%	0.131%
117	8.596	8.572	8.620	VV	40079	939920	10.34%	0.264%
118	8.633	8.620	8.647	VV	28421	416036	4.58%	0.117%
119	8.668	8.647	8.685	VV	41565	735189	8.09%	0.207%
120	8.723	8.685	8.750	VV	636456	7244222	79.69%	2.037%
121	8.772	8.750	8.791	VV	39147	759343	8.35%	0.214%
122	8.845	8.791	8.871	VV	130555	2462253	27.09%	0.693%
123	8.884	8.871	8.907	VV	26948	534631	5.88%	0.150%
124	8.923	8.907	8.939	VV	24343	425739	4.68%	0.120%
125	8.958	8.939	8.976	VV	34070	622648	6.85%	0.175%
126	8.992	8.976	9.014	VV	35783	644675	7.09%	0.181%
127	9.025	9.014	9.043	VV	22699	369259	4.06%	0.104%
128	9.079	9.043	9.095	VV	31412	785187	8.64%	0.221%
129	9.126	9.095	9.144	VV	32931	783481	8.62%	0.220%
130	9.166	9.144	9.200	VV	34960	855848	9.41%	0.241%
131	9.215	9.200	9.240	VV	25441	504308	5.55%	0.142%
132	9.283	9.240	9.301	VV	26398	744636	8.19%	0.209%
133	9.315	9.301	9.346	VV	21296	442469	4.87%	0.124%
134	9.364	9.346	9.382	VV	16862	331247	3.64%	0.093%
135	9.420	9.382	9.446	VV	23544	667019	7.34%	0.188%
136	9.460	9.446	9.476	VV	15926	259474	2.85%	0.073%
137	9.509	9.476	9.556	VV	601805	6773230	74.51%	1.905%
138	9.583	9.556	9.614	VV	26487	597871	6.58%	0.168%

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139	9.625	9.614	9.634	VV	11638	136684		
140	9.668	9.634	9.699	VV	16296	537946		
141	9.717	9.699	9.739	VV	17593	327134	3.60%	0.092%
142	9.748	9.739	9.756	VV	9931	101054	1.11%	0.028%
143	9.780	9.756	9.804	VV	39801	563278	6.20%	0.158%
144	9.826	9.804	9.842	VV	12210	229839	2.53%	0.065%
145	9.868	9.842	9.884	VV	13559	293945	3.23%	0.083%
146	9.912	9.884	9.961	VV	517248	5845645	64.31%	1.644%
147	9.994	9.961	10.006	VV	9057	227305	2.50%	0.064%
148	10.017	10.006	10.051	VV	8648	199486	2.19%	0.056%
149	10.085	10.051	10.106	VV	7318	193255	2.13%	0.054%
150	10.124	10.106	10.169	VV	5793	194974	2.14%	0.055%
151	10.189	10.169	10.209	VV	6081	119286	1.31%	0.034%
152	10.252	10.209	10.272	VV	6723	191210	2.10%	0.054%
153	10.323	10.272	10.370	VV	35297	895929	9.86%	0.252%
154	10.385	10.370	10.415	VV	6502	142403	1.57%	0.040%
155	10.447	10.415	10.469	VV	4550	126364	1.39%	0.036%
156	10.491	10.469	10.524	VV	9373	172515	1.90%	0.049%
157	10.555	10.524	10.568	VV	3768	92914	1.02%	0.026%
158	10.584	10.568	10.616	VV	4171	106489	1.17%	0.030%
159	10.650	10.616	10.665	VV	6108	121536	1.34%	0.034%
160	10.675	10.665	10.687	VV	4962	56438	0.62%	0.016%
161	10.721	10.687	10.848	VV	24357	633504	6.97%	0.178%
162	10.914	10.848	10.954	VV	524534	5946767	65.42%	1.673%
163	10.990	10.954	11.018	VV	513651	5620450	61.83%	1.581%
164	11.045	11.018	11.088	VV	3801	121489	1.34%	0.034%

Instrument :
FID_C
ClientSampleId :
GCAP1MSD

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165	11.128	11.088	11.147	VV	3731	90580			
166	11.162	11.147	11.178	VV	3591	55848			
167	11.195	11.178	11.239	VV	4587	91539	1.01%	0.026%	
168	11.279	11.239	11.311	VV	18495	250349	2.75%	0.070%	
169	11.358	11.311	11.406	VV	471349	5331306	58.65%	1.499%	
170	11.447	11.406	11.484	VV	9119	200176	2.20%	0.056%	
171	11.517	11.484	11.536	VV	2973	74478	0.82%	0.021%	
172	11.548	11.536	11.564	VV	2082	32559	0.36%	0.009%	
173	11.614	11.564	11.643	VV	4787	129818	1.43%	0.037%	
174	11.680	11.643	11.728	VV	405765	4391285	48.31%	1.235%	
175	11.745	11.728	11.765	VV	4545	72902	0.80%	0.021%	
176	11.777	11.765	11.795	VV	2800	46186	0.51%	0.013%	
177	11.827	11.795	11.847	VV	5850	114646	1.26%	0.032%	
178	11.873	11.847	11.906	VV	18753	300935	3.31%	0.085%	
179	11.923	11.906	11.946	VV	4929	85746	0.94%	0.024%	
180	11.962	11.946	11.977	VV	3256	52765	0.58%	0.015%	
181	12.004	11.977	12.016	VV	6202	105608	1.16%	0.030%	
182	12.027	12.016	12.043	VV	6163	81097	0.89%	0.023%	
183	12.070	12.043	12.087	VV	21806	333121	3.66%	0.094%	
184	12.097	12.087	12.109	VV	14075	161972	1.78%	0.046%	
185	12.118	12.109	12.177	VV	12785	240147	2.64%	0.068%	
186	12.191	12.177	12.202	VV	3358	44791	0.49%	0.013%	
187	12.229	12.202	12.251	VV	48711	586936	6.46%	0.165%	
188	12.279	12.251	12.302	VV	102398	1348781	14.84%	0.379%	
189	12.326	12.302	12.373	VV	70145	934803	10.28%	0.263%	
190	12.397	12.373	12.471	VV	16467	343343	3.78%	0.097%	

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FID_C
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GCAP1MSD

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191	12.496	12.471	12.548	VV	30041	420791			
192	12.608	12.548	12.635	VV	109108	133415			
193	12.671	12.635	12.702	VV	431103	5223253	57.46%	1.469%	
194	12.740	12.702	12.785	VV	473104	5382662	59.21%	1.514%	
195	12.820	12.785	12.881	VV	5358	163077	1.79%	0.046%	
196	12.921	12.881	12.967	VV	9433	175327	1.93%	0.049%	
197	13.039	12.967	13.082	VV	450773	5540731	60.95%	1.558%	
198	13.115	13.082	13.143	VV	280279	3480461	38.29%	0.979%	
199	13.155	13.143	13.184	VV	5676	80045	0.88%	0.023%	
200	13.229	13.184	13.247	VV	3895	77776	0.86%	0.022%	
201	13.284	13.247	13.318	VV	397223	4910402	54.02%	1.381%	
202	13.345	13.318	13.415	VV	7082	195010	2.15%	0.055%	
203	13.432	13.415	13.454	VV	1746	37316	0.41%	0.010%	
204	13.504	13.454	13.568	VV	44410	702412	7.73%	0.198%	
205	13.588	13.568	13.599	VV	3251	53863	0.59%	0.015%	
206	13.620	13.599	13.674	VV	10850	185799	2.04%	0.052%	
207	13.730	13.674	13.749	VV	3861	102279	1.13%	0.029%	
208	13.783	13.749	13.834	VV	3785	127828	1.41%	0.036%	
209	13.870	13.834	13.927	VV	371996	4803702	52.84%	1.351%	
210	13.938	13.927	13.958	VV	1665	23113	0.25%	0.007%	
211	13.992	13.958	14.008	VV	1494	34890	0.38%	0.010%	
212	14.042	14.008	14.064	VV	2358	53032	0.58%	0.015%	
213	14.077	14.064	14.088	VV	1541	18942	0.21%	0.005%	
214	14.109	14.088	14.121	VV	2624	38610	0.42%	0.011%	
215	14.139	14.121	14.194	VV	4963	83643	0.92%	0.024%	

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FID_C
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GCAP1MSD

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216	14.259	14.194	14.281	VV	2501	58833		
217	14.308	14.281	14.340	VV	3730	68654		
218	14.356	14.340	14.408	VV	1416	32171		
219	14.433	14.408	14.458	VV	3208	48976	0.54%	0.014%
220	14.487	14.458	14.508	VV	1682	38093	0.42%	0.011%
221	14.537	14.508	14.553	VV	2227	44085	0.48%	0.012%
222	14.598	14.553	14.621	VV	2619	69454	0.76%	0.020%
223	14.655	14.621	14.703	VV	1840	49505	0.54%	0.014%
224	14.746	14.703	14.776	VV	14211	188893	2.08%	0.053%
225	14.813	14.776	14.848	VV	387247	4598202	50.58%	1.293%
226	14.866	14.848	14.876	VV	834	10661	0.12%	0.003%
227	14.920	14.876	14.940	VV	360934	4703380	51.74%	1.323%
228	14.968	14.940	15.028	VV	612991	9090310	100.00%	2.557%
229	15.045	15.028	15.058	VV	1330	16882	0.19%	0.005%
230	15.074	15.058	15.094	VV	1368	18906	0.21%	0.005%
231	15.112	15.094	15.131	VV	704	9512	0.10%	0.003%
232	15.151	15.131	15.185	VV	750	10931	0.12%	0.003%
233	15.209	15.185	15.241	PV	812	15086	0.17%	0.004%
234	15.274	15.241	15.283	VV	894	14413	0.16%	0.004%
235	15.299	15.283	15.318	VV	1279	18460	0.20%	0.005%
236	15.350	15.318	15.416	VV	32745	464490	5.11%	0.131%
237	15.437	15.416	15.468	VV	877	16833	0.19%	0.005%
238	15.493	15.468	15.528	VV	4184	61019	0.67%	0.017%
239	15.584	15.528	15.606	VV	1878	44579	0.49%	0.013%
240	15.624	15.606	15.651	VV	885	11279	0.12%	0.003%
241	15.669	15.651	15.684	PV	307	2699	0.03%	0.001%

Instrument :
FID_C
ClientSampleId :
GCAP1MSD

rteres

Manual IntegrationsAPPROVED

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242	15.748	15.684	15.783	PV	1373	36723			
243	15.821	15.783	15.849	VV	1117	30132			
244	15.870	15.849	15.901	VV	1990	39638			
245	15.999	15.901	16.039	VV	331520	4340287	47.75%	1.221%	
246	16.066	16.039	16.093	VV	1659	43708	0.48%	0.012%	
247	16.119	16.093	16.140	VV	1919	49349	0.54%	0.014%	
248	16.170	16.140	16.187	VV	3429	79629	0.88%	0.022%	
249	16.213	16.187	16.254	VV	4983	164127	1.81%	0.046%	
250	16.286	16.254	16.315	VV	6404	166746	1.83%	0.047%	
251	16.364	16.315	16.391	VV	13138	317543	3.49%	0.089%	
252	16.409	16.391	16.438	VV	4331	111805	1.23%	0.031%	
253	16.481	16.438	16.497	VV	300113	4503048	49.54%	1.266%	
254	16.514	16.497	16.539	VV	352284	4272949	47.01%	1.202%	
255	16.554	16.539	16.588	VV	6364	121924	1.34%	0.034%	
256	16.605	16.588	16.624	VV	3066	53201	0.59%	0.015%	
257	16.641	16.624	16.703	VV	2920	79543	0.88%	0.022%	
258	16.726	16.703	16.750	VV	3667	54704	0.60%	0.015%	
259	16.789	16.750	16.820	VV	12221	247284	2.72%	0.070%	
260	16.862	16.820	16.894	VV	319495	4221080	46.43%	1.187%	
261	16.950	16.894	16.981	VV	309107	4061430	44.68%	1.142%	
262	16.999	16.981	17.008	VV	4843	57504	0.63%	0.016%	
263	17.023	17.008	17.054	VV	6243	90114	0.99%	0.025%	
264	17.096	17.054	17.134	VV	804	17628	0.19%	0.005%	
265	17.164	17.134	17.204	PV	3597	63297	0.70%	0.018%	
266	17.215	17.204	17.266	VV	1034	24614	0.27%	0.007%	
267	17.310	17.266	17.365	VV	13744	223651	2.46%	0.063%	

Instrument :
FID_C
ClientSampleId :
GCAP1MSD

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268	17.398	17.365	17.422	VV	6870	106958		
269	17.439	17.422	17.464	VV	3090	39717		
270	17.484	17.464	17.501	VV	772	11967		
271	17.511	17.501	17.588	VV	693	20192	0.22%	0.006%
272	17.623	17.588	17.654	PV	650	12456	0.14%	0.004%
273	17.678	17.654	17.698	VV	505	9115	0.10%	0.003%
274	17.728	17.698	17.746	VV	3474	49070	0.54%	0.014%
275	17.765	17.746	17.791	VV	3174	50753	0.56%	0.014%
276	17.839	17.791	17.874	VV	287552	3897471	42.88%	1.096%
277	17.926	17.874	17.963	VV	4629	112389	1.24%	0.032%
278	18.015	17.963	18.037	VV	1548	52491	0.58%	0.015%
279	18.074	18.037	18.104	VV	2009	53336	0.59%	0.015%
280	18.237	18.104	18.253	VV	310510	4932676	54.26%	1.387%
281	18.274	18.253	18.321	VV	334121	4258811	46.85%	1.198%
282	18.384	18.321	18.434	VV	4581	193704	2.13%	0.054%
283	18.494	18.434	18.534	VV	290095	4115773	45.28%	1.158%
284	18.542	18.534	18.583	VV	1968	54696	0.60%	0.015%
285	18.612	18.583	18.628	VV	3201	66142	0.73%	0.019%
286	18.672	18.628	18.731	VV	268539	3892589	42.82%	1.095%
287	18.771	18.731	18.818	VV	5730	192422	2.12%	0.054%
288	18.837	18.818	18.860	VV	3966	81864	0.90%	0.023%
289	18.883	18.860	18.904	VV	3443	78345	0.86%	0.022%
290	18.915	18.904	18.924	VV	2562	29920	0.33%	0.008%
291	18.959	18.924	18.981	VV	4249	114969	1.26%	0.032%
292	19.025	18.981	19.052	VV	18866	422346	4.65%	0.119%
293	19.074	19.052	19.114	VV	13916	317889	3.50%	0.089%

Instrument :
FID_C
ClientSampleId :
GCAP1MSD

rteres

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294	19.156	19.114	19.185	VV	5265	179285			
295	19.210	19.185	19.236	VV	7206	161541			
296	19.268	19.236	19.289	VV	4738	130150	1.43%	0.037%	
297	19.326	19.289	19.351	VV	5723	181465	2.00%	0.051%	
298	19.366	19.351	19.404	VV	5348	138104	1.52%	0.039%	
299	19.457	19.404	19.506	VV	269805	4058594	44.65%	1.141%	
300	19.522	19.506	19.537	VV	5531	95600	1.05%	0.027%	
301	19.563	19.537	19.594	VV	6464	178487	1.96%	0.050%	
302	19.632	19.594	19.671	VV	6469	227940	2.51%	0.064%	
303	19.704	19.671	19.721	VV	5614	150033	1.65%	0.042%	
304	19.743	19.721	19.773	VV	6489	176394	1.94%	0.050%	
305	19.803	19.773	19.850	VV	8828	327192	3.60%	0.092%	
306	19.865	19.850	19.901	VV	5498	159204	1.75%	0.045%	
307	19.924	19.901	19.953	VV	5402	157346	1.73%	0.044%	
308	19.995	19.953	20.034	VV	7869	302102	3.32%	0.085%	
309	20.056	20.034	20.066	VV	6198	110798	1.22%	0.031%	
310	20.100	20.066	20.141	VV	9579	309775	3.41%	0.087%	
311	20.199	20.141	20.272	VV	257337	4060560	44.67%	1.142%	
312	20.359	20.272	20.397	VV	8625	492709	5.42%	0.139%	
313	20.477	20.397	20.612	VV	9249	951628	10.47%	0.268%	
314	20.627	20.612	20.651	VV	5809	129615	1.43%	0.036%	
315	20.670	20.651	20.696	VV	5574	141378	1.56%	0.040%	
316	20.704	20.696	20.728	VV	4955	91048	1.00%	0.026%	
317	20.743	20.728	20.791	VV	4925	176326	1.94%	0.050%	
318	20.808	20.791	20.843	VV	4366	130305	1.43%	0.037%	
319	20.879	20.843	20.910	VV	4372	170012	1.87%	0.048%	

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GCAP1MSD

rteres

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320	20.968	20.910	21.131	VV	206607	421583			
321	21.170	21.131	21.202	VV	3761	140599			
322	21.218	21.202	21.247	VV	2905	76960	0.85%	0.022%	
323	21.278	21.247	21.326	VV	2949	133595	1.47%	0.038%	
324	21.354	21.326	21.369	VV	2856	71074	0.78%	0.020%	
325	21.421	21.369	21.537	VV	3839	300859	3.31%	0.085%	
326	21.547	21.537	21.601	VV	2267	81641	0.90%	0.023%	
327	21.619	21.601	21.721	VV	2189	132704	1.46%	0.037%	
328	21.759	21.721	21.808	VV	2010	88307	0.97%	0.025%	
329	21.840	21.808	21.865	VV	1683	53078	0.58%	0.015%	
330	21.938	21.865	22.066	VV	153400	3816421	41.98%	1.073%	
331	22.079	22.066	22.089	VV	683	8903	0.10%	0.003%	
332	22.160	22.089	22.171	VV	1632	53417	0.59%	0.015%	
333	22.194	22.171	22.334	VV	1649	94766	1.04%	0.027%	
334	22.343	22.334	22.374	VV	267	5356	0.06%	0.002%	
335	22.395	22.374	22.417	VV	241	4148	0.05%	0.001%	

Sum of corrected areas: 355551331

Aliphatic EPH 061825.M Wed Jun 25 01:28:32 2025

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

Manual Integration Report

Sequence:	FC061825AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	FC062425AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC069258.D	n-Tetracontane (C40)	yogesh	6/25/2025 7:36:20 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
Q2386-01DL	FC069259.D	1-chlorooctadecane (SURR)	yogesh	6/25/2025 7:36:22 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
Q2386-01DL	FC069259.D	ortho-Terphenyl (SURR)	yogesh	6/25/2025 7:36:22 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
PB168591BS	FC069262.D	n-Tetracontane (C40)	yogesh	6/25/2025 7:36:24 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
PB168591BSD	FC069263.D	n-Tetracontane (C40)	yogesh	6/25/2025 7:36:25 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069266.D	n-Tetracontane (C40)	yogesh	6/25/2025 7:36:27 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
PB168596BS	FC069268.D	n-Tetracontane (C40)	yogesh	6/25/2025 7:36:28 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
PB168596BSD	FC069269.D	n-Tetracontane (C40)	yogesh	6/25/2025 7:36:30 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
Q2363-01MS	FC069271.D	A~2-methylnaphthalene (C12.89)	yogesh	6/25/2025 7:36:33 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
Q2363-01MS	FC069271.D	A~Naphthalene (C11.7)	yogesh	6/25/2025 7:36:33 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
Q2363-01MS	FC069271.D	n-Decane (C10)	yogesh	6/25/2025 7:36:33 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
Q2363-01MS	FC069271.D	n-Dodecane (C12)	yogesh	6/25/2025 7:36:33 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
Q2363-01MS	FC069271.D	n-Nonane (C9)	yogesh	6/25/2025 7:36:33 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC062425AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2363-01MS	FC069271.D	n-Tetracontane (C40)	yogesh	6/25/2025 7:36:33 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
Q2363-01MS	FC069271.D	n-Tetradecane (C14)	yogesh	6/25/2025 7:36:33 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
Q2363-01MSD	FC069272.D	A~2-methylnaphthalene (C12.89)	yogesh	6/25/2025 7:36:35 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
Q2363-01MSD	FC069272.D	A~Naphthalene (C11.7)	yogesh	6/25/2025 7:36:35 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
Q2363-01MSD	FC069272.D	n-Decane (C10)	yogesh	6/25/2025 7:36:35 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
Q2363-01MSD	FC069272.D	n-Dodecane (C12)	yogesh	6/25/2025 7:36:35 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
Q2363-01MSD	FC069272.D	n-Nonane (C9)	yogesh	6/25/2025 7:36:35 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
Q2363-01MSD	FC069272.D	n-Tetracontane (C40)	yogesh	6/25/2025 7:36:35 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
Q2363-01MSD	FC069272.D	n-Tetradecane (C14)	yogesh	6/25/2025 7:36:35 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069274.D	n-Octatriacontane (C38)	yogesh	6/25/2025 7:36:36 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069274.D	n-Tetracontane (C40)	yogesh	6/25/2025 7:36:36 AM	mohammad	6/26/2025 1:32:17	Peak Integrated by Software

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch 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	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC062425AL

Review By	yogesh	Review On	6/24/2025 11:16:35 AM		
Supervise By	mohammad	Supervise On	6/26/2025 1:32:17 AM		
SubDirectory	FC062425AL	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	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069256.D	24 Jun 2025 05:43	YP/AJ	Ok
2	I.BLK	FC069257.D	24 Jun 2025 06:23	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069258.D	24 Jun 2025 07:04	YP/AJ	Ok,M
4	Q2386-01DL	FC069259.D	24 Jun 2025 07:57	YP/AJ	Ok,M
5	Q2388-01DL	FC069260.D	24 Jun 2025 08:38	YP/AJ	Ok
6	PB168591BL	FC069261.D	24 Jun 2025 09:20	YP/AJ	Ok
7	PB168591BS	FC069262.D	24 Jun 2025 10:03	YP/AJ	Ok,M
8	PB168591BSD	FC069263.D	24 Jun 2025 10:47	YP/AJ	Ok,M
9	Q2385-01	FC069264.D	24 Jun 2025 11:32	YP/AJ	Ok
10	I.BLK	FC069265.D	24 Jun 2025 12:17	YP/AJ	Ok
11	20 PPM ALIPHATIC HC STD	FC069266.D	24 Jun 2025 13:03	YP/AJ	Ok,M
12	PB168596BL	FC069267.D	24 Jun 2025 13:48	YP/AJ	Ok
13	PB168596BS	FC069268.D	24 Jun 2025 14:35	YP/AJ	Ok,M
14	PB168596BSD	FC069269.D	24 Jun 2025 15:22	YP/AJ	Ok,M
15	Q2363-01	FC069270.D	24 Jun 2025 16:10	YP/AJ	Ok
16	Q2363-01MS	FC069271.D	24 Jun 2025 16:57	YP/AJ	Ok,M
17	Q2363-01MSD	FC069272.D	24 Jun 2025 17:45	YP/AJ	Ok,M
18	I.BLK	FC069273.D	24 Jun 2025 19:18	YP/AJ	Ok
19	20 PPM ALIPHATIC HC STD	FC069274.D	24 Jun 2025 20:04	YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch 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	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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 H	100 PPM ALIPHATIC H	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

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC062425AL

Review By	yogesh	Review On	6/24/2025 11:16:35 AM		
Supervise By	mohammad	Supervise On	6/26/2025 1:32:17 AM		
SubDirectory	FC062425AL	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	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069256.D	24 Jun 2025 05:43		YP/AJ	Ok
2	I.BLK	I.BLK	FC069257.D	24 Jun 2025 06:23		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069258.D	24 Jun 2025 07:04		YP/AJ	Ok,M
4	Q2386-01DL	SU-1-062025DL	FC069259.D	24 Jun 2025 07:57		YP/AJ	Ok,M
5	Q2388-01DL	TP-12DL	FC069260.D	24 Jun 2025 08:38		YP/AJ	Ok
6	PB168591BL	PB168591BL	FC069261.D	24 Jun 2025 09:20		YP/AJ	Ok
7	PB168591BS	PB168591BS	FC069262.D	24 Jun 2025 10:03	naphthalene break down - 0.535, 2-methylnephthalene break down - 0.329	YP/AJ	Ok,M
8	PB168591BSD	PB168591BSD	FC069263.D	24 Jun 2025 10:47	naphthalene break down - 0.498, 2-methylnephthalene break down - 0.352	YP/AJ	Ok,M
9	Q2385-01	A5311	FC069264.D	24 Jun 2025 11:32		YP/AJ	Ok
10	I.BLK	I.BLK	FC069265.D	24 Jun 2025 12:17		YP/AJ	Ok
11	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069266.D	24 Jun 2025 13:03		YP/AJ	Ok,M
12	PB168596BL	PB168596BL	FC069267.D	24 Jun 2025 13:48		YP/AJ	Ok
13	PB168596BS	PB168596BS	FC069268.D	24 Jun 2025 14:35		YP/AJ	Ok,M
14	PB168596BSD	PB168596BSD	FC069269.D	24 Jun 2025 15:22		YP/AJ	Ok,M
15	Q2363-01	GCAP1	FC069270.D	24 Jun 2025 16:10		YP/AJ	Ok
16	Q2363-01MS	GCAP1MS	FC069271.D	24 Jun 2025 16:57	FC069270.D	YP/AJ	Ok,M

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC062425AL

Review By	yogesh	Review On	6/24/2025 11:16:35 AM		
Supervise By	mohammad	Supervise On	6/26/2025 1:32:17 AM		
SubDirectory	FC062425AL	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	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	Q2363-01MSD	GCAP1MSD	FC069272.D	24 Jun 2025 17:45	FC069270.D!FC069271.D	YP/AJ	Ok,M
18	I.BLK	I.BLK	FC069273.D	24 Jun 2025 19:18		YP/AJ	Ok
19	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069274.D	24 Jun 2025 20:04		YP/AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/20/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 16:50
In Date: 06/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:20
Out Date: 06/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136203

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
Q2362-01	TP-11	1	1.15	10.82	11.97	10.9	90.1	
Q2362-02	TP-11-EPH	2	1.18	9.88	11.06	9.94	88.7	
Q2362-03	TP-11-VOC	3	1.19	10.70	11.89	10.74	89.3	
Q2362-04	TP-11	4	1.15	10.82	11.97	10.9	90.1	
Q2362-05	EP-6	5	1.16	10.57	11.73	10.57	89.0	
Q2362-06	EP-6-EPH	6	1.16	10.34	11.5	10.28	88.2	
Q2362-07	EP-6-VOC	7	1.18	10.32	11.5	10.38	89.1	
Q2363-01	GCAP1	8	1.19	9.95	11.14	9.7	85.5	
Q2364-01	GAV1A	9	1.15	10.10	11.25	9.21	79.8	
Q2364-02	GAV1B	10	1.18	10.78	11.96	10.4	85.5	
Q2364-03	GAV2A	11	1.19	10.06	11.25	9.47	82.3	
Q2364-04	GAV2B	12	1.19	10.53	11.72	9.26	76.6	
Q2365-01	BU-703-COMP-01	13	1.15	10.74	11.89	10.68	88.7	
Q2365-02	BU-703-COMP-02	14	1.14	10.60	11.74	9.59	79.7	
Q2365-03	BU-703-COMP-03	15	1.17	10.22	11.39	9.59	82.4	
Q2365-04	BU-703-COMP-04	16	1.15	10.58	11.73	10.55	88.8	
Q2365-05	BU-703-COMP-05	17	1.13	10.19	11.32	8.67	74.0	
Q2365-06	BU-703-COMP-06	18	1.15	10.59	11.74	10.11	84.6	
Q2365-07	BU-703-COMP-07	19	1.13	10.28	11.41	10.02	86.5	
Q2365-08	BU-703-COMP-08	20	1.13	10.20	11.33	10.28	89.7	
Q2365-09	BU-703-COMP-09	21	1.14	10.54	11.68	9.73	81.5	
Q2367-01	EP-4	22	1.18	10.29	11.47	10.58	91.4	
Q2367-02	EP-4-EPH	23	1.19	10.01	11.2	10.24	90.4	
Q2367-03	EP-4-VOC	24	1.13	9.84	10.97	10.03	90.4	
Q2367-05	EP-5	25	1.17	10.39	11.56	10.44	89.2	
Q2367-06	EP-5-EPH	26	1.18	10.54	11.72	10.65	89.8	
Q2367-07	EP-5-VOV	27	1.15	10.45	11.6	10.56	90.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/20/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 16:50
In Date: 06/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:20
Out Date: 06/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136203

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

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

WORKLIST(Hardcopy Internal Chain)

WM 136203

WorkList Name : %1-061925 **WorkList ID :** 190269 **Department :** Wet-Chemistry **Date :** 06-19-2025 08:09:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2362-01	TP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/18/2025	Chemtech -SO
Q2362-02	TP-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/18/2025	Chemtech -SO
Q2362-03	TP-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/18/2025	Chemtech -SO
Q2362-04	TP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/18/2025	Chemtech -SO
Q2362-05	EP-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/18/2025	Chemtech -SO
Q2362-06	EP-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/18/2025	Chemtech -SO
Q2362-07	EP-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D52	06/18/2025	Chemtech -SO
Q2363-01	GCAP1	Solid	Percent Solids	Cool 4 deg C	GENV01	D51	06/18/2025	Chemtech -SO
Q2364-01	GAV1A	Solid	Percent Solids	Cool 4 deg C	GENV01	D51	06/18/2025	Chemtech -SO
Q2364-02	GAV1B	Solid	Percent Solids	Cool 4 deg C	GENV01	D51	06/18/2025	Chemtech -SO
Q2364-03	GAV2A	Solid	Percent Solids	Cool 4 deg C	GENV01	D51	06/18/2025	Chemtech -SO
Q2364-04	GAV2B	Solid	Percent Solids	Cool 4 deg C	GENV01	D51	06/18/2025	Chemtech -SO
Q2365-01	BU-703-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO
Q2365-02	BU-703-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO
Q2365-03	BU-703-COMP-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO
Q2365-04	BU-703-COMP-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO
Q2365-05	BU-703-COMP-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO
Q2365-06	BU-703-COMP-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO
Q2365-07	BU-703-COMP-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO
Q2365-08	BU-703-COMP-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO
Q2365-09	BU-703-COMP-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/02/2025	Chemtech -SO

Date/Time 06.19.25 13:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 06.19.25 17:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB 136203

WorkList Name : %1-061925 **WorkList ID :** 190269 **Department :** Wet-Chemistry **Date :** 06-19-2025 08:09:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2367-01	EP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D61	06/19/2025	Chemtech -SO
Q2367-02	EP-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D61	06/19/2025	Chemtech -SO
Q2367-03	EP-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D61	06/19/2025	Chemtech -SO
Q2367-05	EP-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D61	06/19/2025	Chemtech -SO
Q2367-06	EP-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D61	06/19/2025	Chemtech -SO
Q2367-07	EP-5-VOV	Solid	Percent Solids	Cool 4 deg C	PSEG03	D61	06/19/2025	Chemtech -SO

Date/Time 06-19-25 13:00
Raw Sample Received by: JG WOC
Raw Sample Relinquished by: [signature]

Date/Time 06-19-25 17:00
Raw Sample Received by: [signature]
Raw Sample Relinquished by: JG WOC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168596

SOP ID:	MNJDEP-EPH-8				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/24/2025
Matrix :	Solid			**Extraction Start Time :**	08:47
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/24/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:45
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24625
Surrogate	1.0ML	100 PPM	PP24652
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2622
Sand	N/A	E2865
Methylene Chloride	N/A	E3943
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
6/24/25	RSCelt lab)	Y-P-Pest/PCB.
11:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168596

Analytical Method: MNJDEP-EPH-8

Concentration Date: 06/24/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168596BL	PB168596BL	EPH_F2	30.01	N/A	ritesh	Evelyn	2			U2-1
PB168596BS	PB168596BS	EPH_F2	30.02	N/A	ritesh	Evelyn	2			2
PB168596BSD	PB168596BSD	EPH_F2	30.02	N/A	ritesh	Evelyn	2			3
Q2363-01	GCAP1	EPH_F2	30.06	N/A	ritesh	Evelyn	2	E		4
Q2363-01MS	GCAP1MS	EPH_F2	30.08	N/A	ritesh	Evelyn	2	E		5
Q2363-01MSD	GCAP1MSD	EPH_F2	30.05	N/A	ritesh	Evelyn	2	E		6

RS
6/24

* **Extracts relinquished on the same date as received.**

168596
8:47

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2363 **WorkList ID :** 190351 **Department :** Extraction **Date :** 06-24-2025 08:40:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2363-01	GCAP1	Solid	EPH_F2	Cool 4 deg C	GENV01	D51	06/18/2025	NJEPH

Date/Time 6/24/25 8:40
Raw Sample Received by: RJ (FM Lab)
Raw Sample Relinquished by: SM

Date/Time 6/24/25 8:55
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (FM Lab)

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q2363
COC Number 2046403

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G Environmental
ADDRESS: 8 Carriage Lane
CITY Succasunna STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: CAPRA
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: GV
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G Environmental PO#:
ADDRESS 8 Carriage Lane
CITY Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 TCL VOC+15; 2 Pb (lead); 3 EPH Cat 1; 4; 5 GW TCL VOC+15; 6; 7; 8; 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	GRAB	SAMPLE COLLECTION DATE	TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
PRESERVATIVES								Terra Core	X			HCl					← Specify Preservatives A-HCl B-HN03 C-H2SO4 D-NaOH E-ICE F-OTHER
1.	GCAP1	Soil		X	6/18/25	1430	1	X	X	X							
2.	GCAP1W	GW		X	6/18/25	1415	2					X					
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	1540 6/18/25	1. [signature]
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.6 °C °C
Comments: IR Gun #1
5 day TAT

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2363 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 6/18/2025 4:03:52 PM
Project Name : Capra
Receive DateTime : 6/18/2025 3:40:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Level I~~ NJ Reduced all
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2363-01	GCAP1	Solid	06/18/2025	14:30					
					VOC-TCLVOA-10		8260D		5 Bus. Days
Q2363-02	GCAP1W	Water	06/18/2025	14:15					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days

Relinguished By :
Date / Time : 6/19/25 0740

Received By : Sam
Date / Time : 06/19/25 7:30
Storage Area : VOA Refridgerator Room

RJH 6
FZ 2
Raj # 4