284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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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LAB CHRONICLE

OrderID:	Q2503	**OrderDate:**	7/3/2025 11:38:00 AM
Client:	G Environmental	**Project:**	Capra
Contact:	Gary Landis	**Location:**	O11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2503-03	**GCAP2**	**Solid**			**07/02/25**			**07/03/25**
			EPH_NF	NJEPH		07/07/25	07/07/25	
Q2503-04	**GCAP3**	**Solid**			**07/02/25**			**07/03/25**
			EPH_NF	NJEPH		07/07/25	07/07/25	

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2503

Run Number: FE070725AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
GCAP2	86	87		0
GCAP3	71	70		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

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2503

Run Number: FG070725AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB168738BL	94	92		0
WC-1MS	76	69		0
WC-1MSD	76	69		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

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2503

Run Number: FG070825AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB168738BS	53	51		0
PB168738BSD	53	52		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_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** G Environmental

Lab Code: ACE **SDG No:** Q2503

Sample No : Q2515-01MS **Datafile:** FG016232.D **Client ID :** WC-1MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	34.2	12.4	49.4	108		(40-140)
Aliphatic C9-C28	114.0	5.56	108	90		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	3.8	0.0000	2.4008	63		(40-140)
n-Decane (C10)	3.8	0.0000	5.8093	153	*	(40-140)
Naphthalene (C11.7)	3.8	0.0000	3.2301	85		(40-140)
n-Dodecane (C12)	3.8	0.0000	3.0297	80		(40-140)
2-methylnaphthalene (C12.89)	3.8	0.0000	3.2812	86		(40-140)
n-Tetradecane (C14)	3.8	0.0000	3.3947	89		(40-140)
n-Hexadecane (C16)	3.8	0.0000	3.6331	96		(40-140)
n-Octadecane (C18)	3.8	0.0000	3.7046	97		(40-140)
n-Eicosane (C20)	3.8	0.0000	3.9835	105		(40-140)
n-Heneicosane (C21)	3.8	0.0000	3.8614	102		(40-140)
n-Docosane (C22)	3.8	0.0000	3.8283	101		(40-140)
n-Tetracosane (C24)	7.6	0.0000	7.7383	102		(40-140)
n-Hexacosane (C26)	3.8	0.0000	3.6597	96		(40-140)
n-Octacosane (C28)	3.8	0.0000	3.6574	96		(40-140)
n-Tricontane (C30)	3.8	0.0000	3.5152	93		(40-140)
n-Dotriacontane (C32)	3.8	0.0000	3.5583	94		(40-140)
n-Tetratriacontane (C34)	3.8	0.0000	4.2227	111		(40-140)
n-Hexatriacontane (C36)	3.8	0.0000	5.0553	133		(40-140)
n-Octatriacontane (C38)	3.8	0.0000	5.7538	151	*	(40-140)
n-Tetracontane (C40)	3.8	0.0000	5.4652	144	*	(40-140)

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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** G Environmental

Lab Code: ACE **SDG No:** Q2503

Sample No : Q2515-01MSD **Datafile:** FG016233.D **Client ID :** WC-1MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS (%)	QC Limit Of RPD
Aliphatic C28-C40	34.3	12.4	49.8	109		0.92 |	(40-140)	50
Aliphatic C9-C28	114.3	5.56	111	92		3 |	(40-140)	50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS (%)	QC Limit Of RPD
n-Nonane (C9)	3.8	0.0000	2.3955	63		0 |	(40-140)	50
n-Decane (C10)	3.8	0.0000	5.7935	152	*	0.66 |	(40-140)	50
Naphthalene (C11.7)	3.8	0.0000	3.2237	85		0 |	(40-140)	50
n-Dodecane (C12)	3.8	0.0000	3.0244	80		0 |	(40-140)	50
2-methylnaphthalene (C12.89)	3.8	0.0000	3.2795	86		0 |	(40-140)	50
n-Tetradecane (C14)	3.8	0.0000	3.3935	89		0 |	(40-140)	50
n-Hexadecane (C16)	3.8	0.0000	3.6430	96		0 |	(40-140)	50
n-Octadecane (C18)	3.8	0.0000	3.7179	98		1.03 |	(40-140)	50
n-Eicosane (C20)	3.8	0.0000	3.9987	105		0 |	(40-140)	50
n-Heneicosane (C21)	3.8	0.0000	3.8763	102		0 |	(40-140)	50
n-Docosane (C22)	3.8	0.0000	3.8481	101		0 |	(40-140)	50
n-Tetracosane (C24)	7.6	0.0000	7.7618	102		0 |	(40-140)	50
n-Hexacosane (C26)	3.8	0.0000	3.6750	97		1.04 |	(40-140)	50
n-Octacosane (C28)	3.8	0.0000	3.6707	97		1.04 |	(40-140)	50
n-Tricontane (C30)	3.8	0.0000	3.5168	93		0 |	(40-140)	50
n-Dotriacontane (C32)	3.8	0.0000	3.5574	94		0 |	(40-140)	50
n-Tetratriacontane (C34)	3.8	0.0000	4.2836	113		1.79 |	(40-140)	50
n-Hexatriacontane (C36)	3.8	0.0000	4.9972	132		0.75 |	(40-140)	50
n-Octatriacontane (C38)	3.8	0.0000	5.4939	145	*	4.05 |	(40-140)	50
n-Tetracontane (C40)	3.8	0.0000	5.6265	148	*	2.74 |	(40-140)	50

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** G Environmental

Lab Code: ACE **SDG No:** Q2503

Sample No : PB168738BS **Datafile:** FG016239.D **Client ID :** PB168738BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	30.0	20.1	67		(40-140)
Aliphatic C9-C28	99.9	54.0	54		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	1.62441	49		(40-140)
n-Decane (C10)	3.3	1.69203	51		(40-140)
Naphthalene (C11.7)	3.3	1.94890	59		(40-140)
n-Dodecane (C12)	3.3	1.79908	55		(40-140)
2-methylnaphthalene (C12.89)	3.3	1.94660	59		(40-140)
n-Tetradecane (C14)	3.3	1.92903	58		(40-140)
n-Hexadecane (C16)	3.3	1.94565	59		(40-140)
n-Octadecane (C18)	3.3	1.91517	58		(40-140)
n-Eicosane (C20)	3.3	2.03287	62		(40-140)
n-Heneicosane (C21)	3.3	1.97392	60		(40-140)
n-Docosane (C22)	3.3	1.94776	59		(40-140)
n-Tetracosane (C24)	6.7	3.92935	59		(40-140)
n-Hexacosane (C26)	3.3	1.85981	56		(40-140)
n-Octacosane (C28)	3.3	1.82643	55		(40-140)
n-Tricontane (C30)	3.3	1.77873	54		(40-140)
n-Dotriacontane (C32)	3.3	1.81434	55		(40-140)
n-Tetratriacontane (C34)	3.3	2.05277	62		(40-140)
n-Hexatriacontane (C36)	3.3	2.26492	69		(40-140)
n-Octatriacontane (C38)	3.3	2.56386	78		(40-140)
n-Tetracontane (C40)	3.3	2.78050	84		(40-140)

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** G Environmental

Lab Code: ACE **SDG No:** Q2503

Sample No : PB168738BSD **Datafile:** FG016240.D **Client ID :** PB168738BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS (%)	QC Limit Of RPD
Aliphatic C28-C40	30.0	20.2	67		0.38|	(40-140)	25
Aliphatic C9-C28	100.1	54.3	54		0.495|	(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	1.63004	49		0|	(40-140)	25
n-Decane (C10)	3.3	1.69781	51		0|	(40-140)	25
Naphthalene (C11.7)	3.3	1.95952	59		0|	(40-140)	25
n-Dodecane (C12)	3.3	1.80872	55		0|	(40-140)	25
2-methylnaphthalene (C12.89)	3.3	1.95855	59		0|	(40-140)	25
n-Tetradecane (C14)	3.3	1.94442	59		1.71|	(40-140)	25
n-Hexadecane (C16)	3.3	1.95658	59		0|	(40-140)	25
n-Octadecane (C18)	3.3	1.92766	58		0|	(40-140)	25
n-Eicosane (C20)	3.3	2.04545	62		0|	(40-140)	25
n-Heneicosane (C21)	3.3	1.98034	60		0|	(40-140)	25
n-Docosane (C22)	3.3	1.95783	59		0|	(40-140)	25
n-Tetracosane (C24)	6.7	3.93908	59		0|	(40-140)	25
n-Hexacosane (C26)	3.3	1.87086	57		1.77|	(40-140)	25
n-Octacosane (C28)	3.3	1.83439	56		1.8|	(40-140)	25
n-Tricontane (C30)	3.3	1.79001	54		0|	(40-140)	25
n-Dotriacontane (C32)	3.3	1.82926	55		0|	(40-140)	25
n-Tetratriacontane (C34)	3.3	2.06840	63		1.6|	(40-140)	25
n-Hexatriacontane (C36)	3.3	2.27655	69		0|	(40-140)	25
n-Octatriacontane (C38)	3.3	2.57651	78		0|	(40-140)	25
n-Tetracontane (C40)	3.3	2.77844	84		0|	(40-140)	25

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4B

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB168738BL

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2503

Instrument ID: FID_E Lab Sample ID: PB168738BL

Matrix: (soil/water) Solid Date Extracted: 7/7/2025 9:30:00 AM

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB168738BS	PB168738BS
PB168738BSD	PB168738BSD
GCAP2	Q2503-03
GCAP3	Q2503-04
WC-1MS	Q2515-01MS
WC-1MSD	Q2515-01MSD

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	G Environmental			Date Collected:	07/02/25
Project:	Capra			Date Received:	07/03/25
Client Sample ID:	GCAP2			SDG No.:	Q2503
Lab Sample ID:	Q2503-03			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	71.2
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
07/07/25 09:30	07/07/25 21:05	PB168738

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	16.3		1	1.65	2.80	mg/kg	FE054715.D
Aliphatic C9-C28	Aliphatic C9-C28	6.34		1	1.27	5.60	mg/kg	FE054715.D
Total AliphaticEPH	Total AliphaticEPH	22.6			2.92	8.40	mg/kg	
Total EPH	Total EPH	22.6			2.92	8.40	mg/kg	

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

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

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Report of Analysis

Client:	G Environmental		Date Collected:	07/02/25	
Project:	Capra		Date Received:	07/03/25	
Client Sample ID:	GCAP2		SDG No.:	Q2503	
Lab Sample ID:	Q2503-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	71.2	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054715.D	1	07/07/25	07/07/25	PB168738

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.34		1.27	5.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.3		1.65	2.80	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.8		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.4		40 - 140	87%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2503-03	Acq On:	07 Jul 2025 21:05
Client Sample ID:	GCAP2	Operator:	YP\AJ
Data file:	FE054715.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.953	2479247	18.222	300	ug/ml
Aliphatic C12-C16	6.954	10.404	1601415	11.392	200	ug/ml
Aliphatic C16-C21	10.405	13.782	2306899	15.976	300	ug/ml
Aliphatic C21-C28	13.783	17.452	3232555	22.347	400	ug/ml
Aliphatic C28-C40	17.453	22.469	24254059	174.933	600	ug/ml
Aliphatic EPH	3.322	22.469	33874175	242.872		ug/ml
ortho-Terphenyl (SURR)	12.083	12.083	7042756	43.37		ug/ml
1-chlorooctadecane (SURR)	13.518	13.518	5403219	42.78		ug/ml
Aliphatic C9-C28	3.322	17.452	9620116	67.937	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054715.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 21:05
Operator : YP\AJ
Sample : Q2503-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
GCAP2

Integration File: autoint1.e
Quant Time: Jul 08 03:33:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.083	7042756	43.368 ug/ml
Spiked Amount 50.000		Recovery =	86.74%
12) S 1-chlorooctadecane (S...	13.518	5403219	42.783 ug/ml
Spiked Amount 50.000		Recovery =	85.57%
Target Compounds			

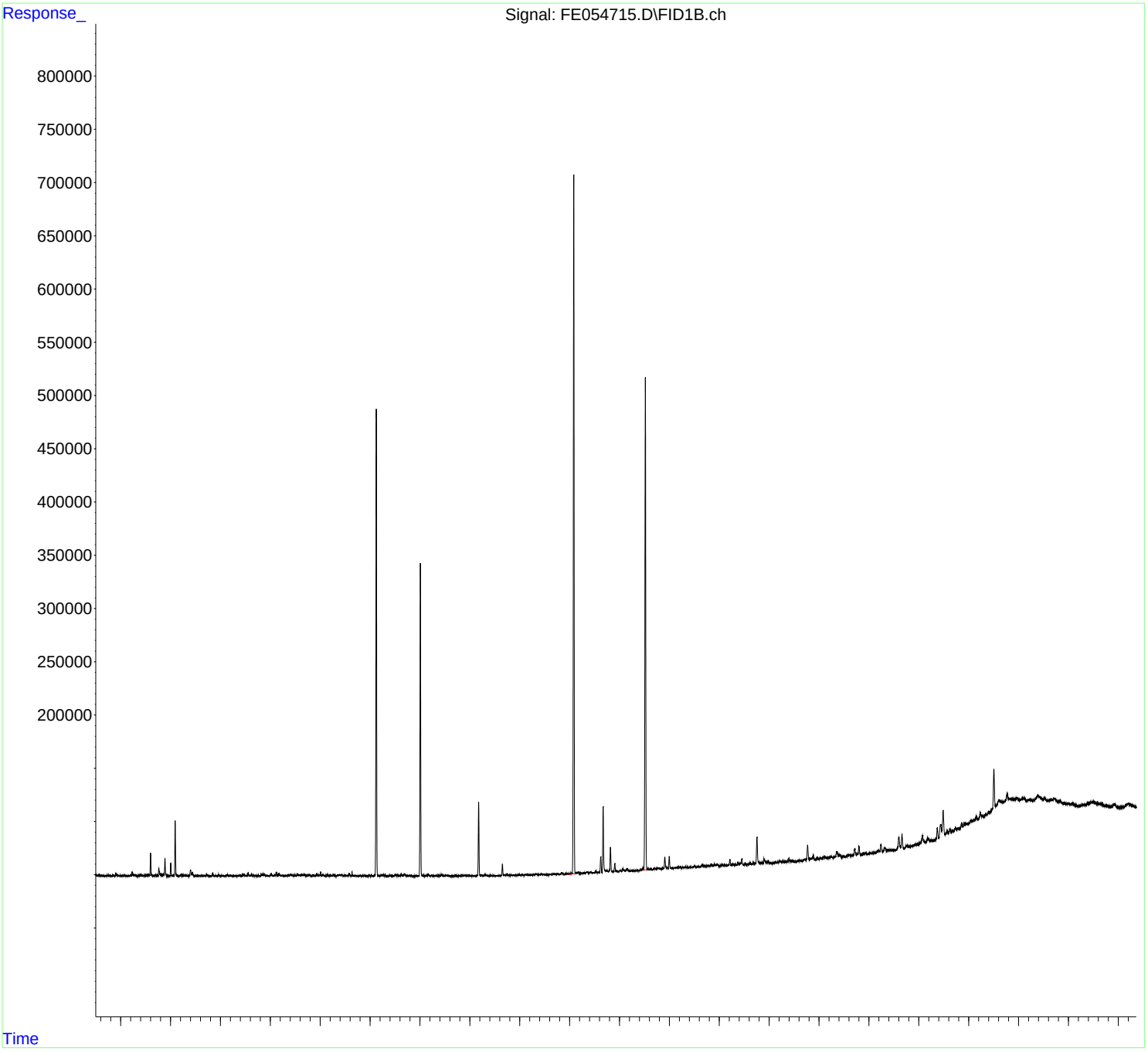
(f)=RT Delta > 1/2 Window (m)=manual int.

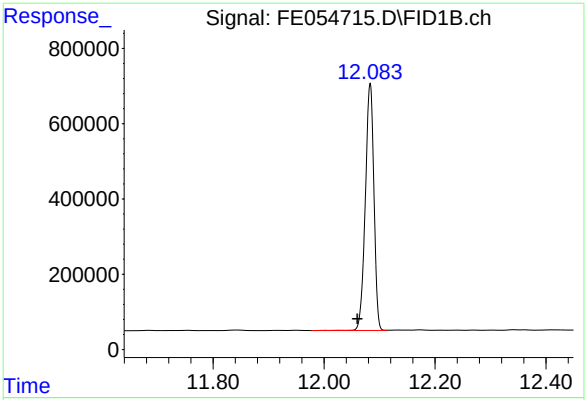
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054715.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 21:05
Operator : YP\AJ
Sample : Q2503-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
GCAP2

Integration File: autoint1.e
Quant Time: Jul 08 03:33:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

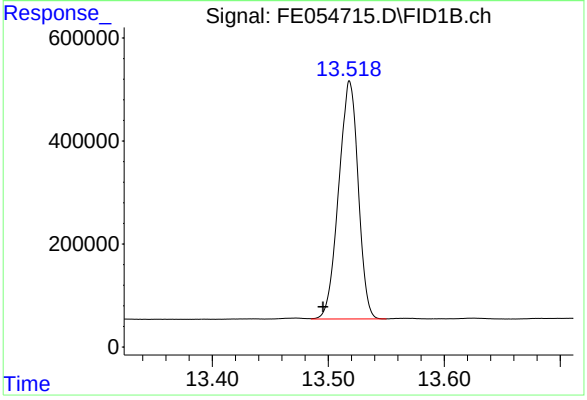




#9 ortho-Terphenyl (SURR)

R.T.: 12.083 min
Delta R.T.: 0.023 min
Response: 7042756
Conc: 43.37 ug/ml

Instrument :
FID_E
ClientSampleId :
GCAP2



#12 1-chlorooctadecane (SURR)

R.T.: 13.518 min
Delta R.T.: 0.023 min
Response: 5403219
Conc: 42.78 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054715.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 21:05
Sample : Q2503-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.839	2.805	2.871	BV	702	10379	0.15%	0.022%
2	2.904	2.871	2.941	PV	2132	34665	0.49%	0.075%
3	2.952	2.941	2.975	VV	428	7812	0.11%	0.017%
4	2.995	2.975	3.014	VV	527	9099	0.13%	0.020%
5	3.034	3.014	3.068	VV	545	12307	0.17%	0.026%
6	3.109	3.068	3.138	VV	519	13001	0.18%	0.028%
7	3.151	3.138	3.171	VV	313	3964	0.06%	0.009%
8	3.201	3.171	3.213	VV	601	11143	0.16%	0.024%
9	3.231	3.213	3.264	VV	3505	43939	0.62%	0.094%
10	3.275	3.264	3.361	VV	896	25253	0.36%	0.054%
11	3.396	3.361	3.428	VV	1193	23729	0.34%	0.051%
12	3.440	3.428	3.478	VV	646	11504	0.16%	0.025%
13	3.493	3.478	3.506	VV	359	5034	0.07%	0.011%
14	3.533	3.506	3.555	VV	987	18192	0.26%	0.039%
15	3.566	3.555	3.578	VV	964	10760	0.15%	0.023%
16	3.600	3.578	3.685	VV	21484	213419	3.03%	0.459%
17	3.701	3.685	3.722	VV	819	11204	0.16%	0.024%
18	3.738	3.722	3.748	VV	735	8472	0.12%	0.018%
19	3.765	3.748	3.798	VV	6812	91209	1.30%	0.196%
20	3.808	3.798	3.835	VV	1577	19814	0.28%	0.043%
21	3.855	3.835	3.868	VV	1589	22856	0.32%	0.049%
22	3.888	3.868	3.934	VV	16666	173104	2.46%	0.372%
23	3.955	3.934	3.980	VV	598	9945	0.14%	0.021%
24	4.004	3.980	4.044	VV	12189	116126	1.65%	0.250%
25	4.093	4.044	4.171	VV	52123	503108	7.14%	1.082%
26	4.215	4.171	4.233	VV	1369	22759	0.32%	0.049%
27	4.286	4.233	4.315	VV	699	25618	0.36%	0.055%
28	4.323	4.315	4.353	VV	622	7733	0.11%	0.017%
29	4.400	4.353	4.419	VV	6040	76776	1.09%	0.165%
30	4.436	4.419	4.475	VV	3535	49751	0.71%	0.107%
31	4.497	4.475	4.509	VV	452	6790	0.10%	0.015%
32	4.534	4.509	4.551	VV	1239	14958	0.21%	0.032%
33	4.575	4.551	4.599	VV	445	9248	0.13%	0.020%
34	4.621	4.599	4.651	VV	626	10530	0.15%	0.023%
35	4.677	4.651	4.700	VV	788	14619	0.21%	0.031%
36	4.722	4.700	4.778	VV	1252	30525	0.43%	0.066%

rteres

37	4.789	4.778	4.817	VV	470	5266	0.07%	0.011%
38	4.842	4.817	4.878	PV	2978	37640	0.53%	0.081%
39	4.895	4.878	4.914	VV	599	8625	0.12%	0.019%
40	4.925	4.914	4.945	VV	314	4925	0.07%	0.011%
41	4.962	4.945	4.981	VV	1749	19174	0.27%	0.041%
42	4.990	4.981	5.005	VV	411	4042	0.06%	0.009%
43	5.045	5.005	5.055	VV	514	9864	0.14%	0.021%
44	5.068	5.055	5.085	VV	679	8163	0.12%	0.018%
45	5.097	5.085	5.110	VV	564	6951	0.10%	0.015%
46	5.139	5.110	5.165	VV	1218	22881	0.32%	0.049%
47	5.197	5.165	5.241	VV	1223	18475	0.26%	0.040%
48	5.261	5.241	5.281	VV	652	8655	0.12%	0.019%
49	5.294	5.281	5.320	VV	398	5966	0.08%	0.013%
50	5.358	5.320	5.371	VV	604	10831	0.15%	0.023%
51	5.388	5.371	5.417	VV	1350	19239	0.27%	0.041%
52	5.441	5.417	5.454	VV	1782	19111	0.27%	0.041%
53	5.469	5.454	5.485	VV	2295	23358	0.33%	0.050%
54	5.497	5.485	5.518	VV	745	10196	0.14%	0.022%
55	5.526	5.518	5.538	VV	465	3598	0.05%	0.008%
56	5.554	5.538	5.585	VV	3051	35464	0.50%	0.076%
57	5.622	5.585	5.645	VV	2346	32700	0.46%	0.070%
58	5.669	5.645	5.685	VV	842	14422	0.20%	0.031%
59	5.698	5.685	5.715	VV	822	9721	0.14%	0.021%
60	5.728	5.715	5.750	VV	352	6615	0.09%	0.014%
61	5.763	5.750	5.785	VV	379	5001	0.07%	0.011%
62	5.818	5.785	5.832	VV	1936	25091	0.36%	0.054%
63	5.851	5.832	5.865	VV	2079	28358	0.40%	0.061%
64	5.878	5.865	5.901	VV	2550	29047	0.41%	0.062%
65	5.923	5.901	5.941	VV	911	13073	0.19%	0.028%
66	5.953	5.941	5.985	VV	385	7864	0.11%	0.017%
67	6.013	5.985	6.057	VV	2490	43626	0.62%	0.094%
68	6.082	6.057	6.098	VV	714	12940	0.18%	0.028%
69	6.117	6.098	6.154	VV	3682	56943	0.81%	0.122%
70	6.172	6.154	6.201	VV	2985	38895	0.55%	0.084%
71	6.212	6.201	6.225	VV	893	8975	0.13%	0.019%
72	6.247	6.225	6.279	VV	713	13523	0.19%	0.029%
73	6.302	6.279	6.321	PV	827	10342	0.15%	0.022%
74	6.357	6.321	6.377	VV	1247	22625	0.32%	0.049%
75	6.400	6.377	6.442	VV	2104	44194	0.63%	0.095%
76	6.451	6.442	6.467	VV	898	9754	0.14%	0.021%
77	6.491	6.467	6.517	VV	1014	19867	0.28%	0.043%
78	6.539	6.517	6.571	VV	2095	41989	0.60%	0.090%
79	6.585	6.571	6.610	VV	1241	20616	0.29%	0.044%
80	6.627	6.610	6.670	VV	1973	39821	0.57%	0.086%
81	6.689	6.670	6.708	VV	1695	25952	0.37%	0.056%
82	6.729	6.708	6.747	VV	781	15362	0.22%	0.033%
83	6.774	6.747	6.825	VV	1161	33567	0.48%	0.072%
84	6.851	6.825	6.904	VV	1026	26301	0.37%	0.057%
85	6.929	6.904	6.956	VV	2208	31856	0.45%	0.068%
86	6.977	6.956	6.991	VV	900	15570	0.22%	0.033%
87	7.007	6.991	7.030	VV	3820	42609	0.61%	0.092%
88	7.053	7.030	7.093	VV	1419	28301	0.40%	0.061%
89	7.110	7.093	7.125	VV	628	9100	0.13%	0.020%

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90	7.142	7.125	7.161	VV	1412	17623	0.25%	0.038%
91	7.184	7.161	7.213	VV	915	18255	0.26%	0.039%
92	7.224	7.213	7.237	VV	551	6396	0.09%	0.014%
93	7.266	7.237	7.291	VV	1551	22948	0.33%	0.049%
94	7.345	7.291	7.355	VV	957	19024	0.27%	0.041%
95	7.392	7.355	7.414	VV	1250	33704	0.48%	0.072%
96	7.431	7.414	7.467	VV	1454	24448	0.35%	0.053%
97	7.493	7.467	7.525	VV	751	19510	0.28%	0.042%
98	7.542	7.525	7.557	VV	525	8430	0.12%	0.018%
99	7.578	7.557	7.621	VV	2835	43296	0.61%	0.093%
100	7.638	7.621	7.663	VV	2287	20253	0.29%	0.044%
101	7.681	7.663	7.699	VV	510	9107	0.13%	0.020%
102	7.710	7.699	7.749	VV	383	8140	0.12%	0.018%
103	7.769	7.749	7.777	VV	369	4344	0.06%	0.009%
104	7.802	7.777	7.841	VV	651	13089	0.19%	0.028%
105	7.862	7.841	7.878	VV	621	8553	0.12%	0.018%
106	7.889	7.878	7.912	VV	511	7244	0.10%	0.016%
107	7.924	7.912	7.958	VV	373	6315	0.09%	0.014%
108	7.982	7.958	8.006	VV	943	13907	0.20%	0.030%
109	8.027	8.006	8.078	VV	674	12025	0.17%	0.026%
110	8.177	8.171	8.204	VV	424	5900	0.08%	0.013%
111	8.233	8.204	8.251	VV	1291	20718	0.29%	0.045%
112	8.266	8.251	8.327	VV	1412	22553	0.32%	0.048%
113	8.339	8.327	8.355	VV	257	3249	0.05%	0.007%
114	8.399	8.355	8.445	VV	718	17848	0.25%	0.038%
115	8.451	8.445	8.461	VV	235	2236	0.03%	0.005%
116	8.509	8.461	8.528	VV	1578	30353	0.43%	0.065%
117	8.545	8.528	8.568	VV	1333	16875	0.24%	0.036%
118	8.582	8.568	8.595	VV	651	8437	0.12%	0.018%
119	8.619	8.595	8.636	VV	1389	19832	0.28%	0.043%
120	8.649	8.636	8.662	VV	860	10367	0.15%	0.022%
121	8.688	8.662	8.731	VV	1790	38456	0.55%	0.083%
122	8.746	8.731	8.765	VV	491	6760	0.10%	0.015%
123	8.798	8.765	8.870	VV	543	18124	0.26%	0.039%
124	8.897	8.870	8.907	VV	220	2530	0.04%	0.005%
125	8.924	8.907	8.973	VV	235	4396	0.06%	0.009%
126	9.053	9.045	9.092	VV	524	11545	0.16%	0.025%
127	9.102	9.092	9.120	VV	388	5086	0.07%	0.011%
128	9.165	9.120	9.213	VV	1478	33463	0.48%	0.072%
129	9.232	9.213	9.287	VV	720	13710	0.19%	0.029%
130	9.317	9.287	9.331	VV	462	7189	0.10%	0.015%
131	9.347	9.331	9.368	VV	382	5867	0.08%	0.013%
132	9.378	9.368	9.401	VV	393	5941	0.08%	0.013%
133	9.426	9.401	9.486	VV	1384	33843	0.48%	0.073%
134	9.519	9.486	9.538	VV	879	14080	0.20%	0.030%
135	9.558	9.538	9.598	VV	410	10182	0.14%	0.022%
136	9.607	9.598	9.625	VV	123	1225	0.02%	0.003%
137	9.639	9.625	9.663	VV	102	1891	0.03%	0.004%
138	9.676	9.663	9.689	VV	314	3336	0.05%	0.007%
139	9.711	9.689	9.767	VV	673	12130	0.17%	0.026%
140	9.819	9.767	9.838	PV	353	7672	0.11%	0.016%
141	9.858	9.838	9.882	VV	551	9694	0.14%	0.021%

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142	9.902	9.882	9.948	VV	846	18367	0.26%	0.039%
143	9.979	9.948	10.015	VV	741	14941	0.21%	0.032%
144	10.062	10.015	10.070	VV	247	6519	0.09%	0.014%
145	10.082	10.070	10.120	VV	336	5961	0.08%	0.013%
146	10.177	10.120	10.216	VV	68869	700644	9.95%	1.506%
147	10.240	10.216	10.275	VV	648	13435	0.19%	0.029%
148	10.304	10.275	10.358	VV	1151	21525	0.31%	0.046%
149	10.368	10.358	10.391	VV	182	2344	0.03%	0.005%
150	10.411	10.391	10.448	VV	533	7198	0.10%	0.015%
151	10.452	10.448	10.465	VV	126	797	0.01%	0.002%
152	10.479	10.465	10.518	VV	133	2806	0.04%	0.006%
153	10.542	10.518	10.550	VV	135	910	0.01%	0.002%
154	10.576	10.550	10.600	VV	126	2564	0.04%	0.006%
155	10.653	10.600	10.678	PV	10780	114375	1.62%	0.246%
156	10.694	10.678	10.718	VV	698	10986	0.16%	0.024%
157	10.747	10.718	10.769	VV	1159	20756	0.29%	0.045%
158	10.785	10.769	10.813	VV	555	8531	0.12%	0.018%
159	10.828	10.813	10.848	VV	330	4877	0.07%	0.010%
160	10.859	10.848	10.875	VV	353	3601	0.05%	0.008%
161	10.929	10.875	10.943	PV	426	9570	0.14%	0.021%
162	10.972	10.943	10.988	VV	879	13378	0.19%	0.029%
163	11.001	10.988	11.019	VV	645	7838	0.11%	0.017%
164	11.046	11.019	11.091	VV	953	17348	0.25%	0.037%
165	11.119	11.091	11.138	VV	977	14223	0.20%	0.031%
166	11.152	11.138	11.211	VV	642	12529	0.18%	0.027%
167	11.227	11.211	11.251	VV	505	6495	0.09%	0.014%
168	11.273	11.251	11.291	VV	748	9685	0.14%	0.021%
169	11.311	11.291	11.322	VV	866	9775	0.14%	0.021%
170	11.335	11.322	11.371	VV	739	14705	0.21%	0.032%
171	11.385	11.371	11.405	VV	493	7334	0.10%	0.016%
172	11.445	11.405	11.465	VV	737	15926	0.23%	0.034%
173	11.479	11.465	11.518	VV	428	7818	0.11%	0.017%
174	11.534	11.518	11.545	VV	165	2027	0.03%	0.004%
175	11.565	11.545	11.590	VV	320	4267	0.06%	0.009%
176	11.618	11.590	11.645	VV	318	5727	0.08%	0.012%
177	11.684	11.645	11.709	PV	952	15839	0.22%	0.034%
178	11.754	11.709	11.775	VV	984	20284	0.29%	0.044%
179	11.795	11.775	11.811	VV	332	5290	0.08%	0.011%
180	11.843	11.811	11.891	VV	1668	30666	0.44%	0.066%
181	11.915	11.891	11.932	PV	572	8486	0.12%	0.018%
182	11.949	11.932	11.985	VV	823	11177	0.16%	0.024%
183	12.002	11.985	12.011	VV	434	4275	0.06%	0.009%
184	12.083	12.011	12.118	VV	661978	7041533	100.00%	15.139%
185	12.172	12.118	12.196	VV	1457	38670	0.55%	0.083%
186	12.210	12.196	12.221	VV	418	4908	0.07%	0.011%
187	12.239	12.221	12.254	VV	527	6315	0.09%	0.014%
188	12.269	12.254	12.285	VV	587	5733	0.08%	0.012%
189	12.302	12.285	12.320	VV	436	4802	0.07%	0.010%
190	12.342	12.320	12.380	VV	1439	26803	0.38%	0.058%
191	12.413	12.380	12.462	VV	912	22511	0.32%	0.048%
192	12.468	12.462	12.474	VV	260	1545	0.02%	0.003%
193	12.482	12.474	12.491	VV	268	1863	0.03%	0.004%
194	12.522	12.491	12.545	VV	1586	22477	0.32%	0.048%

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195	12.568	12.545	12.596	VV	379	7869	0.11%	0.017%
196	12.624	12.596	12.647	PV	14822	172102	2.44%	0.370%
197	12.672	12.647	12.721	VV	61267	706112	10.03%	1.518%
198	12.745	12.721	12.776	VV	1756	41294	0.59%	0.089%
199	12.819	12.776	12.858	VV	23350	292915	4.16%	0.630%
200	12.862	12.858	12.875	VV	566	5154	0.07%	0.011%
201	12.906	12.875	12.929	VV	8006	97587	1.39%	0.210%
202	12.944	12.929	12.968	VV	960	14012	0.20%	0.030%
203	13.017	12.968	13.039	VV	1172	30237	0.43%	0.065%
204	13.062	13.039	13.083	VV	2617	39617	0.56%	0.085%
205	13.094	13.083	13.112	VV	1181	15213	0.22%	0.033%
206	13.156	13.112	13.180	VV	2485	55297	0.79%	0.119%
207	13.189	13.180	13.225	VV	498	8855	0.13%	0.019%
208	13.247	13.225	13.269	VV	1016	12998	0.18%	0.028%
209	13.285	13.269	13.301	VV	342	4079	0.06%	0.009%
210	13.325	13.301	13.345	PV	710	10413	0.15%	0.022%
211	13.355	13.345	13.381	VV	350	5255	0.07%	0.011%
212	13.435	13.381	13.446	VV	870	18316	0.26%	0.039%
213	13.471	13.446	13.483	VV	2308	32944	0.47%	0.071%
214	13.518	13.483	13.550	VV	462114	5425394	77.05%	11.664%
215	13.567	13.550	13.588	VV	1601	25109	0.36%	0.054%
216	13.625	13.588	13.661	VV	1714	33671	0.48%	0.072%
217	13.683	13.661	13.695	VV	1135	15440	0.22%	0.033%
218	13.710	13.695	13.736	VV	1264	28017	0.40%	0.060%
219	13.755	13.736	13.837	VV	1782	66703	0.95%	0.143%
220	13.864	13.837	13.875	VV	1030	17486	0.25%	0.038%
221	13.909	13.875	13.943	VV	11411	168942	2.40%	0.363%
222	13.953	13.943	13.971	VV	1602	22249	0.32%	0.048%
223	13.998	13.971	14.053	VV	11786	160749	2.28%	0.346%
224	14.064	14.053	14.080	VV	658	9567	0.14%	0.021%
225	14.140	14.080	14.156	VV	1213	43248	0.61%	0.093%
226	14.188	14.156	14.202	VV	1204	28252	0.40%	0.061%
227	14.219	14.202	14.245	VV	1890	30734	0.44%	0.066%
228	14.268	14.245	14.280	VV	1292	20165	0.29%	0.043%
229	14.293	14.280	14.305	VV	1288	15943	0.23%	0.034%
230	14.326	14.305	14.378	VV	1211	38356	0.54%	0.082%
231	14.419	14.378	14.441	VV	898	25689	0.36%	0.055%
232	14.510	14.441	14.536	VV	1734	53767	0.76%	0.116%
233	14.580	14.536	14.615	VV	1013	34450	0.49%	0.074%
234	14.660	14.615	14.695	VV	2702	63421	0.90%	0.136%
235	14.709	14.695	14.726	VV	1609	22470	0.32%	0.048%
236	14.746	14.726	14.755	VV	1141	15949	0.23%	0.034%
237	14.788	14.755	14.811	VV	1493	36208	0.51%	0.078%
238	14.833	14.811	14.859	VV	2429	41637	0.59%	0.090%
239	14.906	14.859	14.923	VV	2181	52000	0.74%	0.112%
240	14.939	14.923	14.947	VV	1693	21291	0.30%	0.046%
241	14.960	14.947	15.021	VV	1738	42826	0.61%	0.092%
242	15.057	15.021	15.087	VV	1426	38501	0.55%	0.083%
243	15.110	15.087	15.139	VV	1084	25220	0.36%	0.054%
244	15.148	15.139	15.164	VV	651	8528	0.12%	0.018%
245	15.212	15.164	15.245	VV	5671	94501	1.34%	0.203%
246	15.271	15.245	15.295	VV	1360	27570	0.39%	0.059%

247	15.312	15.295	15.351	VV	1132	26846	0.38%	0.058%
248	15.373	15.351	15.401	VV	2777	44652	0.63%	0.096%
249	15.421	15.401	15.430	VV	1795	24353	0.35%	0.052%
250	15.452	15.430	15.496	VV	5955	89822	1.28%	0.193%
251	15.520	15.496	15.545	VV	1839	24576	0.35%	0.053%
252	15.571	15.545	15.587	VV	717	12714	0.18%	0.027%
253	15.613	15.587	15.653	VV	1691	35146	0.50%	0.076%
254	15.684	15.653	15.707	VV	2172	37251	0.53%	0.080%
255	15.756	15.707	15.812	VV	25554	395230	5.61%	0.850%
256	15.823	15.812	15.837	VV	1414	18397	0.26%	0.040%
257	15.854	15.837	15.872	VV	1763	23369	0.33%	0.050%
258	15.898	15.872	15.961	VV	4874	118194	1.68%	0.254%
259	15.979	15.961	16.011	VV	2881	45393	0.64%	0.098%
260	16.043	16.011	16.064	VV	695	14144	0.20%	0.030%
261	16.075	16.064	16.090	PV	345	3249	0.05%	0.007%
262	16.121	16.090	16.137	VV	1117	17483	0.25%	0.038%
263	16.152	16.137	16.186	VV	867	22165	0.31%	0.048%
264	16.214	16.186	16.260	VV	1758	49699	0.71%	0.107%
265	16.276	16.260	16.308	VV	1550	29172	0.41%	0.063%
266	16.335	16.308	16.351	VV	1084	18654	0.26%	0.040%
267	16.399	16.351	16.425	VV	4090	72470	1.03%	0.156%
268	16.439	16.425	16.448	VV	1425	16555	0.24%	0.036%
269	16.460	16.448	16.482	VV	1478	20917	0.30%	0.045%
270	16.501	16.482	16.515	VV	513	6762	0.10%	0.015%
271	16.532	16.515	16.543	VV	267	1858	0.03%	0.004%
272	16.631	16.543	16.658	VV	960	37015	0.53%	0.080%
273	16.708	16.658	16.726	PV	1942	38785	0.55%	0.083%
274	16.771	16.726	16.808	VV	14324	233627	3.32%	0.502%
275	16.884	16.808	16.915	VV	5122	128813	1.83%	0.277%
276	16.924	16.915	16.932	VV	673	5344	0.08%	0.011%
277	16.969	16.932	16.997	VV	1997	32827	0.47%	0.071%
278	17.019	16.997	17.053	VV	1734	33492	0.48%	0.072%
279	17.099	17.053	17.151	VV	2290	77165	1.10%	0.166%
280	17.171	17.151	17.185	VV	1327	21405	0.30%	0.046%
281	17.250	17.185	17.287	VV	1684	70517	1.00%	0.152%
282	17.318	17.287	17.328	VV	1465	25641	0.36%	0.055%
283	17.355	17.328	17.384	VV	5765	124845	1.77%	0.268%
284	17.399	17.384	17.418	VV	3051	47936	0.68%	0.103%
285	17.428	17.418	17.454	VV	2058	26353	0.37%	0.057%
286	17.506	17.454	17.523	PV	847	22036	0.31%	0.047%
287	17.613	17.523	17.635	PV	1458	49534	0.70%	0.106%
288	17.650	17.635	17.662	VV	689	10071	0.14%	0.022%
289	17.716	17.662	17.770	VV	6417	135679	1.93%	0.292%
290	17.802	17.770	17.836	VV	8092	131332	1.87%	0.282%
291	17.889	17.836	17.905	PV	1467	19398	0.28%	0.042%
292	17.934	17.905	17.966	VV	1228	28839	0.41%	0.062%
293	18.026	17.966	18.061	VV	839	22465	0.32%	0.048%
294	18.085	18.061	18.104	PV	531	8120	0.12%	0.017%
295	18.119	18.104	18.134	VV	547	7774	0.11%	0.017%
296	18.192	18.134	18.212	VV	1927	51092	0.73%	0.110%
297	18.241	18.212	18.281	VV	7374	118750	1.69%	0.255%
298	18.316	18.281	18.355	VV	3711	89632	1.27%	0.193%
299	18.375	18.355	18.391	VV	1438	21953	0.31%	0.047%

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300	18.408	18.391	18.421	VV	1150	16586	0.24%	0.036%
301	18.432	18.421	18.467	VV	1041	17737	0.25%	0.038%
302	18.484	18.467	18.498	VV	814	8887	0.13%	0.019%
303	18.599	18.498	18.635	PV	11124	231920	3.29%	0.499%
304	18.664	18.635	18.699	VV	13804	203383	2.89%	0.437%
305	18.772	18.699	18.801	PV	2343	71815	1.02%	0.154%
306	18.832	18.801	18.841	VV	507	11154	0.16%	0.024%
307	18.937	18.841	18.954	VV	1486	57511	0.82%	0.124%
308	18.964	18.954	18.995	VV	1199	22561	0.32%	0.049%
309	19.074	18.995	19.133	VV	8130	235466	3.34%	0.506%
310	19.175	19.133	19.189	VV	4741	87051	1.24%	0.187%
311	19.199	19.189	19.222	VV	3853	49439	0.70%	0.106%
312	19.251	19.222	19.273	VV	1928	42677	0.61%	0.092%
313	19.298	19.273	19.309	VV	1033	19407	0.28%	0.042%
314	19.372	19.309	19.398	VV	11889	212860	3.02%	0.458%
315	19.436	19.398	19.459	VV	14205	334009	4.74%	0.718%
316	19.488	19.459	19.525	VV	26872	539374	7.66%	1.160%
317	19.567	19.525	19.594	VV	6852	215951	3.07%	0.464%
318	19.623	19.594	19.647	VV	7902	190186	2.70%	0.409%
319	19.675	19.647	19.698	VV	5975	158814	2.26%	0.341%
320	19.730	19.698	19.751	VV	7109	198208	2.81%	0.426%
321	19.781	19.751	19.820	VV	7238	255268	3.63%	0.549%
322	19.859	19.820	19.882	VV	11169	307977	4.37%	0.662%
323	19.905	19.882	19.920	VV	10434	201061	2.86%	0.432%
324	19.936	19.920	19.950	VV	9627	159859	2.27%	0.344%
325	19.975	19.950	19.990	VV	9225	215905	3.07%	0.464%
326	20.054	19.990	20.075	VV	11006	502632	7.14%	1.081%
327	20.155	20.075	20.181	VV	13763	718418	10.20%	1.545%
328	20.234	20.181	20.272	VV	16180	703030	9.98%	1.511%
329	20.278	20.272	20.308	VV	12671	262603	3.73%	0.565%
330	20.352	20.308	20.362	VV	13113	415724	5.90%	0.894%
331	20.506	20.362	20.543	VV	53913	2248867	31.94%	4.835%
332	20.603	20.543	20.674	VV	24177	1699661	24.14%	3.654%
333	20.691	20.674	20.705	VV	21419	398371	5.66%	0.856%
334	20.772	20.705	20.808	VV	28431	1463015	20.78%	3.145%
335	20.821	20.808	20.834	VV	22634	345007	4.90%	0.742%
336	20.848	20.834	20.875	VV	22276	539621	7.66%	1.160%
337	20.881	20.875	20.897	VV	21713	290165	4.12%	0.624%
338	20.917	20.897	20.936	VV	21445	494127	7.02%	1.062%
339	20.970	20.936	21.028	VV	21918	1137084	16.15%	2.445%
340	21.074	21.028	21.098	VV	20419	817012	11.60%	1.757%
341	21.120	21.098	21.156	VV	20010	655762	9.31%	1.410%
342	21.177	21.156	21.195	VV	17499	392952	5.58%	0.845%
343	21.244	21.195	21.281	VV	17360	869457	12.35%	1.869%
344	21.300	21.281	21.318	VV	16134	347325	4.93%	0.747%
345	21.386	21.318	21.495	VV	19294	1796602	25.51%	3.863%
346	21.524	21.495	21.563	VV	15467	588854	8.36%	1.266%
347	21.577	21.563	21.590	VV	12478	198176	2.81%	0.426%
348	21.602	21.590	21.608	VV	12419	133114	1.89%	0.286%
349	21.621	21.608	21.635	VV	12508	195935	2.78%	0.421%
350	21.655	21.635	21.677	VV	12351	310101	4.40%	0.667%
351	21.712	21.677	21.801	VV	13111	825274	11.72%	1.774%

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352	21.834	21.801	21.899	VV	9213	463605	6.58%	0.997%
353	21.915	21.899	21.957	VV	6499	200892	2.85%	0.432%
354	21.972	21.957	21.986	VV	5179	85602	1.22%	0.184%
355	21.996	21.986	22.039	VV	4701	138675	1.97%	0.298%
356	22.088	22.039	22.135	VV	3962	197832	2.81%	0.425%
357	22.146	22.135	22.191	VV	1579	31237	0.44%	0.067%
358	22.284	22.191	22.296	PV	462	5586	0.08%	0.012%
			Sum of corrected areas:			46512655		

Aliphatic EPH 062725.M Tue Jul 08 05:06:47 2025

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

Report of Analysis

Client:	G Environmental			Date Collected:	07/02/25
Project:	Capra			Date Received:	07/03/25
Client Sample ID:	GCAP3			SDG No.:	Q2503
Lab Sample ID:	Q2503-04			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	65.6
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
07/07/25 09:30	07/07/25 21:36	PB168738

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	25.6		1	1.79	3.04	mg/kg	FE054716.D
Aliphatic C9-C28	Aliphatic C9-C28	24.1		1	1.38	6.08	mg/kg	FE054716.D
Total AliphaticEPH	Total AliphaticEPH	49.7			3.17	9.12	mg/kg	
Total EPH	Total EPH	49.7			3.17	9.12	mg/kg	

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

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

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

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

Report of Analysis

Client:	G Environmental		Date Collected:	07/02/25	
Project:	Capra		Date Received:	07/03/25	
Client Sample ID:	GCAP3		SDG No.:	Q2503	
Lab Sample ID:	Q2503-04		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	65.6	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054716.D	1	07/07/25	07/07/25	PB168738

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	24.1		1.38	6.08	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.6		1.79	3.04	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.7		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.8		40 - 140	70%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2503-04	Acq On:	07 Jul 2025 21:36
Client Sample ID:	GCAP3	Operator:	YP\AJ
Data file:	FE054716.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.953	8911393	65.498	300	ug/ml
Aliphatic C12-C16	6.954	10.404	3836958	27.296	200	ug/ml
Aliphatic C16-C21	10.405	13.782	9989248	69.181	300	ug/ml
Aliphatic C21-C28	13.783	17.452	10899386	75.349	400	ug/ml
Aliphatic C28-C40	17.453	22.469	34950655	252.083	600	ug/ml
Aliphatic EPH	3.322	22.469	68587640	489.407		ug/ml
ortho-Terphenyl (SURR)	12.082	12.082	5655103	34.82		ug/ml
1-chlorooctadecane (SURR)	13.518	13.518	4508826	35.7		ug/ml
Aliphatic C9-C28	3.322	17.452	33636985	237.324	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054716.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 21:36
Operator : YP\AJ
Sample : Q2503-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
GCAP3

Integration File: autoint1.e
Quant Time: Jul 08 03:33:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.082	5655103	34.823 ug/ml
Spiked Amount 50.000		Recovery =	69.65%
12) S 1-chlorooctadecane (S...	13.518	4508826	35.701 ug/ml
Spiked Amount 50.000		Recovery =	71.40%
Target Compounds			

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

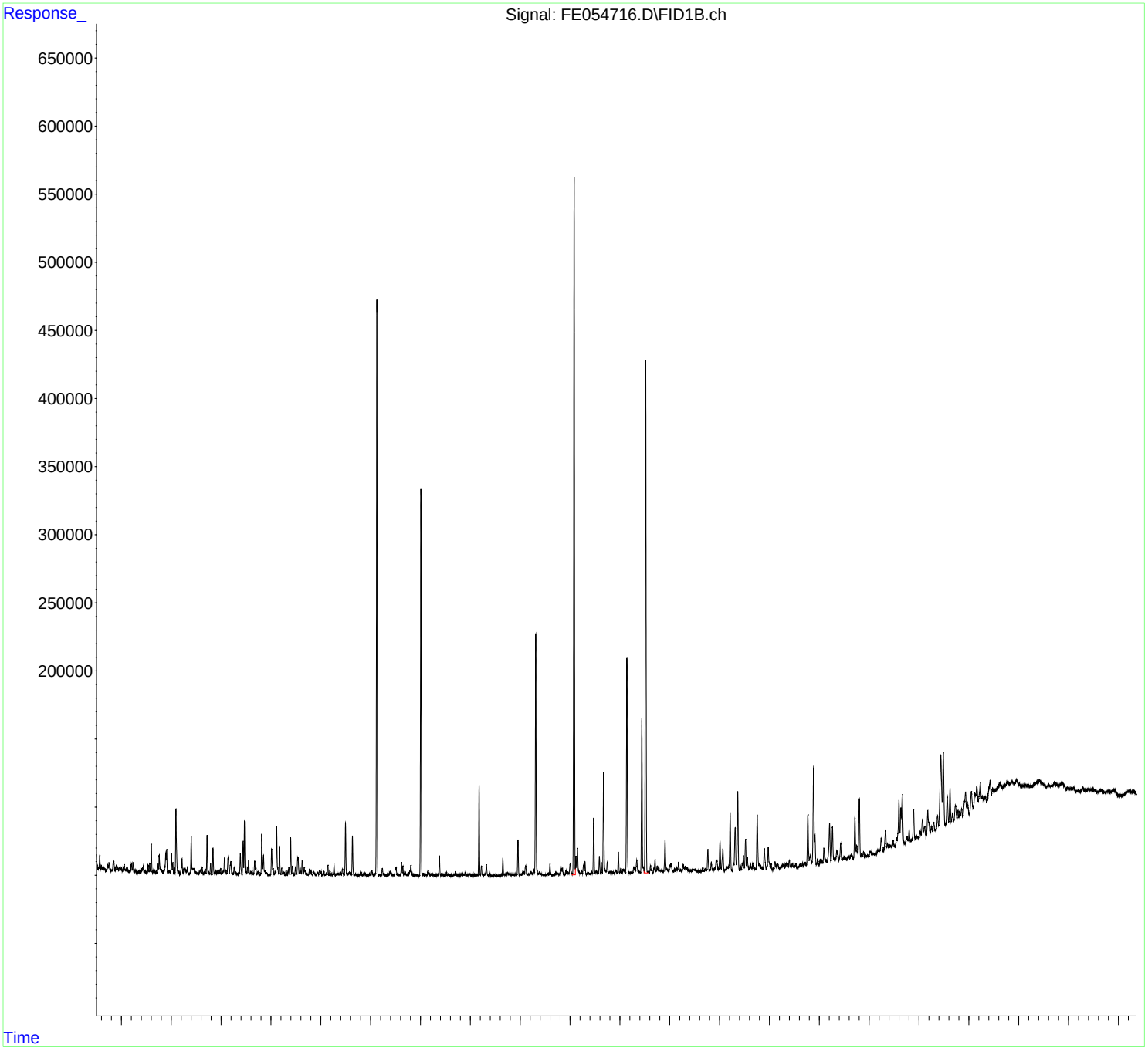
Quantitation Report (QT Reviewed)

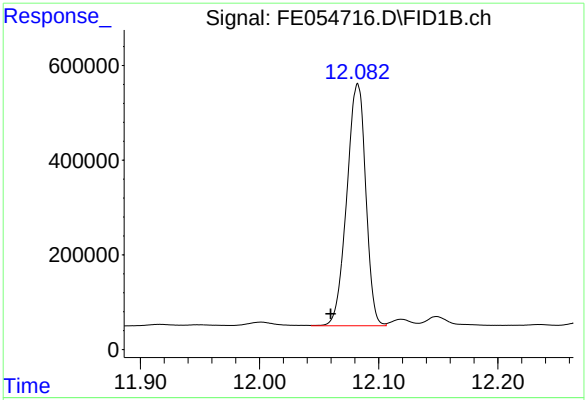
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054716.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 21:36
Operator : YP\AJ
Sample : Q2503-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
GCAP3

Integration File: autoint1.e
Quant Time: Jul 08 03:33:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

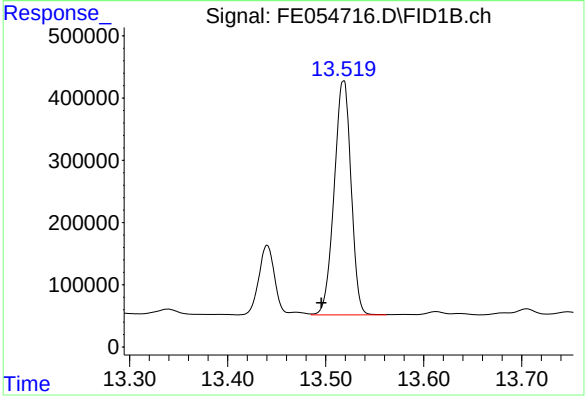




#9 ortho-Terphenyl (SURR)

R.T.: 12.082 min
Delta R.T.: 0.022 min
Response: 5655103
Conc: 34.82 ug/ml

Instrument :
FID_E
ClientSampleId :
GCAP3



#12 1-chlorooctadecane (SURR)

R.T.: 13.518 min
Delta R.T.: 0.023 min
Response: 4508826
Conc: 35.70 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054716.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 21:36
Sample : Q2503-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.845	2.804	2.873	BV	6712	115413	2.04%	0.145%
2	2.900	2.873	2.944	VV	4110	84377	1.49%	0.106%
3	2.969	2.944	2.987	VV	2908	54630	0.97%	0.069%
4	2.999	2.987	3.018	VV	2258	23173	0.41%	0.029%
5	3.056	3.018	3.081	VV	5172	85571	1.51%	0.108%
6	3.113	3.081	3.169	VV	3822	67054	1.19%	0.084%
7	3.202	3.169	3.217	PV	5724	83097	1.47%	0.105%
8	3.231	3.217	3.254	VV	7033	74078	1.31%	0.093%
9	3.285	3.254	3.327	VV	1323	31374	0.55%	0.040%
10	3.351	3.327	3.367	VV	1140	13404	0.24%	0.017%
11	3.388	3.367	3.400	VV	1701	23395	0.41%	0.029%
12	3.419	3.400	3.428	VV	3324	40458	0.72%	0.051%
13	3.441	3.428	3.460	VV	5279	60461	1.07%	0.076%
14	3.474	3.460	3.510	VV	1610	27734	0.49%	0.035%
15	3.538	3.510	3.552	PV	6024	65203	1.15%	0.082%
16	3.568	3.552	3.583	VV	7183	76423	1.35%	0.096%
17	3.601	3.583	3.623	VV	21534	205838	3.64%	0.259%
18	3.647	3.623	3.659	VV	2095	35552	0.63%	0.045%
19	3.668	3.659	3.688	VV	1801	21497	0.38%	0.027%
20	3.707	3.688	3.720	VV	1521	18251	0.32%	0.023%
21	3.739	3.720	3.748	VV	7303	69798	1.23%	0.088%
22	3.759	3.748	3.834	VV	12700	225884	3.99%	0.285%
23	3.908	3.834	3.940	VV	18058	407287	7.20%	0.513%
24	3.955	3.940	3.986	VV	2440	44879	0.79%	0.057%
25	4.006	3.986	4.021	VV	14812	147725	2.61%	0.186%
26	4.032	4.021	4.049	VV	8395	81660	1.44%	0.103%
27	4.064	4.049	4.076	VV	4297	41853	0.74%	0.053%
28	4.095	4.076	4.173	VV	47680	599578	10.60%	0.755%
29	4.216	4.173	4.234	PV	11420	153972	2.72%	0.194%
30	4.255	4.234	4.273	VV	3822	71500	1.26%	0.090%
31	4.285	4.273	4.307	VV	3568	54600	0.97%	0.069%
32	4.326	4.307	4.353	VV	5407	66907	1.18%	0.084%
33	4.401	4.353	4.431	VV	27681	324056	5.73%	0.408%
34	4.450	4.431	4.481	VV	4340	84742	1.50%	0.107%
35	4.491	4.481	4.546	VV	1965	38619	0.68%	0.049%
36	4.587	4.546	4.603	VV	3392	63775	1.13%	0.080%

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37	4.621	4.603	4.646	VV	5474	65712	1.16%	0.083%
38	4.679	4.646	4.696	VV	4163	62344	1.10%	0.079%
39	4.719	4.696	4.741	VV	28984	284599	5.03%	0.359%
40	4.754	4.741	4.771	VV	1962	24798	0.44%	0.031%
41	4.790	4.771	4.818	VV	8620	84945	1.50%	0.107%
42	4.838	4.818	4.878	PV	19477	220746	3.90%	0.278%
43	4.897	4.878	4.915	VV	2713	40699	0.72%	0.051%
44	4.935	4.915	4.951	VV	2726	39844	0.70%	0.050%
45	4.964	4.951	4.976	VV	3624	36222	0.64%	0.046%
46	4.991	4.976	5.010	VV	4591	49514	0.88%	0.062%
47	5.068	5.010	5.086	VV	12426	171126	3.03%	0.216%
48	5.097	5.086	5.112	VV	3177	33596	0.59%	0.042%
49	5.142	5.112	5.165	VV	12765	192926	3.41%	0.243%
50	5.196	5.165	5.238	VV	9890	177764	3.14%	0.224%
51	5.262	5.238	5.282	VV	5187	62031	1.10%	0.078%
52	5.294	5.282	5.316	VV	1705	24996	0.44%	0.031%
53	5.333	5.316	5.343	VV	1127	13402	0.24%	0.017%
54	5.387	5.343	5.418	VV	15454	209562	3.70%	0.264%
55	5.441	5.418	5.454	VV	24823	239483	4.23%	0.302%
56	5.469	5.454	5.511	VV	39289	409469	7.24%	0.516%
57	5.527	5.511	5.538	VV	5500	53592	0.95%	0.068%
58	5.552	5.538	5.578	VV	10764	118810	2.10%	0.150%
59	5.596	5.578	5.608	VV	2285	30140	0.53%	0.038%
60	5.622	5.608	5.644	VV	3526	42208	0.75%	0.053%
61	5.675	5.644	5.716	VV	10310	177986	3.15%	0.224%
62	5.740	5.716	5.780	VV	2537	55413	0.98%	0.070%
63	5.817	5.780	5.834	VV	29749	316446	5.59%	0.399%
64	5.851	5.834	5.899	VV	14519	212048	3.75%	0.267%
65	5.911	5.899	5.938	VV	1939	25437	0.45%	0.032%
66	5.949	5.938	5.968	VV	414	5541	0.10%	0.007%
67	6.014	5.968	6.065	PV	19341	297088	5.25%	0.374%
68	6.084	6.065	6.093	VV	2690	30971	0.55%	0.039%
69	6.115	6.093	6.153	VV	35386	416838	7.37%	0.525%
70	6.172	6.153	6.196	VV	21349	209784	3.71%	0.264%
71	6.213	6.196	6.229	VV	5249	52549	0.93%	0.066%
72	6.253	6.229	6.283	VV	2239	49482	0.87%	0.062%
73	6.305	6.283	6.325	VV	3717	43683	0.77%	0.055%
74	6.360	6.325	6.376	VV	5941	86715	1.53%	0.109%
75	6.396	6.376	6.416	VV	27603	269206	4.76%	0.339%
76	6.431	6.416	6.464	VV	6644	83356	1.47%	0.105%
77	6.492	6.464	6.518	VV	5988	76874	1.36%	0.097%
78	6.540	6.518	6.568	VV	12838	217545	3.85%	0.274%
79	6.584	6.568	6.611	VV	5950	85201	1.51%	0.107%
80	6.626	6.611	6.644	VV	10881	110307	1.95%	0.139%
81	6.667	6.644	6.702	VV	6024	109906	1.94%	0.138%
82	6.712	6.702	6.744	VV	1519	19754	0.35%	0.025%
83	6.775	6.744	6.796	VV	4407	74971	1.33%	0.094%
84	6.804	6.796	6.827	VV	2562	35146	0.62%	0.044%
85	6.853	6.827	6.898	VV	3066	57414	1.02%	0.072%
86	6.932	6.898	6.955	VV	2344	38153	0.67%	0.048%
87	6.974	6.955	6.994	VV	3305	54293	0.96%	0.068%
88	7.006	6.994	7.025	VV	2760	28636	0.51%	0.036%
89	7.058	7.025	7.087	VV	2936	39870	0.70%	0.050%

90	7.110	7.087	7.123	VV	1558	18154	0.32%	0.023%
91	7.143	7.123	7.162	VV	7480	74390	1.32%	0.094%
92	7.181	7.162	7.203	VV	4076	42653	0.75%	0.054%
93	7.219	7.203	7.234	VV	872	12544	0.22%	0.016%
94	7.266	7.234	7.290	VV	7131	85589	1.51%	0.108%
95	7.304	7.290	7.324	VV	1379	16101	0.28%	0.020%
96	7.341	7.324	7.362	VV	1640	24799	0.44%	0.031%
97	7.392	7.362	7.414	VV	2205	40178	0.71%	0.051%
98	7.433	7.414	7.466	VV	4638	62504	1.10%	0.079%
99	7.496	7.466	7.531	VV	38344	408684	7.23%	0.515%
100	7.580	7.531	7.613	VV	2763	76668	1.36%	0.097%
101	7.635	7.613	7.669	VV	29124	304446	5.38%	0.384%
102	7.703	7.669	7.727	VV	1193	21380	0.38%	0.027%
103	7.740	7.727	7.750	VV	347	2365	0.04%	0.003%
104	7.766	7.750	7.774	VV	586	5639	0.10%	0.007%
105	7.805	7.774	7.836	VV	2685	45020	0.80%	0.057%
106	7.855	7.836	7.873	VV	1176	19531	0.35%	0.025%
107	7.889	7.873	7.912	VV	1617	23351	0.41%	0.029%
108	7.927	7.912	7.961	VV	437	7055	0.12%	0.009%
109	7.987	7.961	8.004	VV	1178	18529	0.33%	0.023%
110	8.024	8.004	8.074	VV	3705	51506	0.91%	0.065%
111	8.177	8.164	8.204	VV	1035	15071	0.27%	0.019%
112	8.235	8.204	8.256	VV	5296	75387	1.33%	0.095%
113	8.267	8.256	8.294	VV	1421	17582	0.31%	0.022%
114	8.307	8.294	8.321	VV	344	4681	0.08%	0.006%
115	8.342	8.321	8.360	VV	1282	16973	0.30%	0.021%
116	8.399	8.360	8.431	VV	3094	64099	1.13%	0.081%
117	8.446	8.431	8.471	VV	773	12053	0.21%	0.015%
118	8.498	8.471	8.531	VV	5914	114118	2.02%	0.144%
119	8.545	8.531	8.564	VV	1634	19356	0.34%	0.024%
120	8.581	8.564	8.592	VV	758	9891	0.17%	0.012%
121	8.619	8.592	8.634	VV	9595	106881	1.89%	0.135%
122	8.646	8.634	8.665	VV	7106	71708	1.27%	0.090%
123	8.687	8.665	8.724	VV	2869	54410	0.96%	0.069%
124	8.744	8.724	8.755	VV	766	10870	0.19%	0.014%
125	8.806	8.755	8.851	VV	7654	160405	2.84%	0.202%
126	8.856	8.851	8.877	VV	749	7661	0.14%	0.010%
127	8.897	8.877	8.912	VV	1211	13705	0.24%	0.017%
128	8.920	8.912	8.934	VV	562	5811	0.10%	0.007%
129	8.944	8.934	8.964	VV	424	3755	0.07%	0.005%
130	9.054	9.037	9.094	VV	1954	31833	0.56%	0.040%
131	9.102	9.094	9.123	VV	653	8599	0.15%	0.011%
132	9.151	9.123	9.197	VV	3634	69231	1.22%	0.087%
133	9.221	9.197	9.264	VV	1576	39533	0.70%	0.050%
134	9.279	9.264	9.298	VV	702	10858	0.19%	0.014%
135	9.319	9.298	9.331	VV	743	9207	0.16%	0.012%
136	9.347	9.331	9.357	VV	1108	11602	0.21%	0.015%
137	9.380	9.357	9.404	VV	14497	149972	2.65%	0.189%
138	9.424	9.404	9.461	VV	1526	32372	0.57%	0.041%
139	9.472	9.461	9.494	VV	711	9819	0.17%	0.012%
140	9.520	9.494	9.541	VV	2475	30055	0.53%	0.038%
141	9.559	9.541	9.596	VV	1401	21636	0.38%	0.027%

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142	9.615	9.596	9.637	VV	314	4923	0.09%	0.006%
143	9.676	9.637	9.694	VV	1086	17444	0.31%	0.022%
144	9.710	9.694	9.738	VV	2194	27462	0.49%	0.035%
145	9.760	9.738	9.776	VV	628	9927	0.18%	0.013%
146	9.812	9.776	9.834	VV	1301	20890	0.37%	0.026%
147	9.853	9.834	9.879	VV	1573	22193	0.39%	0.028%
148	9.899	9.879	9.932	VV	2381	33501	0.59%	0.042%
149	9.976	9.932	9.988	VV	1614	29922	0.53%	0.038%
150	9.996	9.988	10.028	VV	1381	17379	0.31%	0.022%
151	10.049	10.028	10.060	VV	605	7772	0.14%	0.010%
152	10.077	10.060	10.118	VV	1147	17236	0.30%	0.022%
153	10.176	10.118	10.202	VV	67009	685467	12.12%	0.864%
154	10.222	10.202	10.258	VV	7175	88392	1.56%	0.111%
155	10.268	10.258	10.276	VV	652	6356	0.11%	0.008%
156	10.323	10.276	10.361	VV	8144	126742	2.24%	0.160%
157	10.386	10.361	10.453	VV	1605	28333	0.50%	0.036%
158	10.479	10.453	10.510	PV	397	7448	0.13%	0.009%
159	10.528	10.510	10.548	VV	312	4584	0.08%	0.006%
160	10.562	10.548	10.579	VV	294	4134	0.07%	0.005%
161	10.587	10.579	10.601	VV	195	2233	0.04%	0.003%
162	10.653	10.601	10.677	VV	12650	144201	2.55%	0.182%
163	10.692	10.677	10.710	VV	1142	17624	0.31%	0.022%
164	10.743	10.710	10.771	VV	2056	50337	0.89%	0.063%
165	10.787	10.771	10.814	VV	1565	25739	0.46%	0.032%
166	10.826	10.814	10.842	VV	613	8888	0.16%	0.011%
167	10.859	10.842	10.873	VV	824	10799	0.19%	0.014%
168	10.905	10.873	10.923	VV	1500	24423	0.43%	0.031%
169	10.956	10.923	10.984	VV	26082	285268	5.04%	0.359%
170	11.003	10.984	11.025	VV	1217	18856	0.33%	0.024%
171	11.047	11.025	11.061	VV	2120	27059	0.48%	0.034%
172	11.075	11.061	11.087	VV	3020	32993	0.58%	0.042%
173	11.108	11.087	11.143	VV	6928	116907	2.07%	0.147%
174	11.173	11.143	11.189	VV	1119	22183	0.39%	0.028%
175	11.208	11.189	11.257	VV	2684	65432	1.16%	0.082%
176	11.312	11.257	11.371	VV	175213	1919347	33.93%	2.418%
177	11.386	11.371	11.402	VV	1845	23996	0.42%	0.030%
178	11.414	11.402	11.428	VV	1076	13560	0.24%	0.017%
179	11.443	11.428	11.453	VV	886	11426	0.20%	0.014%
180	11.470	11.453	11.491	VV	920	15821	0.28%	0.020%
181	11.508	11.491	11.528	VV	479	8241	0.15%	0.010%
182	11.558	11.528	11.578	VV	1607	22808	0.40%	0.029%
183	11.597	11.578	11.650	VV	8142	98583	1.74%	0.124%
184	11.683	11.650	11.700	PV	1137	17687	0.31%	0.022%
185	11.721	11.700	11.738	VV	1667	25844	0.46%	0.033%
186	11.754	11.738	11.772	VV	1626	22191	0.39%	0.028%
187	11.824	11.772	11.836	VV	4775	77889	1.38%	0.098%
188	11.848	11.836	11.888	VV	4803	62025	1.10%	0.078%
189	11.917	11.888	11.935	PV	3147	44778	0.79%	0.056%
190	11.949	11.935	11.975	VV	2221	36322	0.64%	0.046%
191	12.001	11.975	12.043	VV	7803	127645	2.26%	0.161%
192	12.082	12.043	12.106	VV	510085	5656467	100.00%	7.126%
193	12.119	12.106	12.133	VV	13780	151495	2.68%	0.191%
194	12.149	12.133	12.204	VV	19451	267156	4.72%	0.337%

195	12.235	12.204	12.250	VV	2492	39071	0.69%	0.049%
196	12.269	12.250	12.284	VV	6666	83362	1.47%	0.105%
197	12.300	12.284	12.327	VV	9329	105464	1.86%	0.133%
198	12.363	12.327	12.398	VV	1225	30292	0.54%	0.038%
199	12.426	12.398	12.451	VV	1988	34522	0.61%	0.043%
200	12.475	12.451	12.503	VV	40911	445363	7.87%	0.561%
201	12.523	12.503	12.564	VV	2344	55373	0.98%	0.070%
202	12.589	12.564	12.610	VV	13046	148265	2.62%	0.187%
203	12.627	12.610	12.647	VV	8386	92719	1.64%	0.117%
204	12.673	12.647	12.722	VV	74458	873293	15.44%	1.100%
205	12.746	12.722	12.775	VV	8377	113572	2.01%	0.143%
206	12.794	12.775	12.804	VV	1697	23458	0.41%	0.030%
207	12.818	12.804	12.832	VV	1920	25155	0.44%	0.032%
208	12.841	12.832	12.855	VV	1315	16558	0.29%	0.021%
209	12.864	12.855	12.889	VV	1171	17603	0.31%	0.022%
210	12.911	12.889	12.946	VV	2541	47481	0.84%	0.060%
211	12.970	12.946	12.994	VV	15364	170845	3.02%	0.215%
212	13.021	12.994	13.041	VV	3835	60790	1.07%	0.077%
213	13.065	13.041	13.111	VV	3303	79547	1.41%	0.100%
214	13.140	13.111	13.185	VV	158255	1764331	31.19%	2.223%
215	13.200	13.185	13.218	VV	1000	10239	0.18%	0.013%
216	13.238	13.218	13.248	PV	609	7983	0.14%	0.010%
217	13.277	13.248	13.310	VV	4617	91770	1.62%	0.116%
218	13.339	13.310	13.410	VV	9589	186802	3.30%	0.235%
219	13.440	13.410	13.488	VV	112148	1291674	22.84%	1.627%
220	13.518	13.488	13.566	VV	377649	4514092	79.80%	5.687%
221	13.580	13.566	13.594	VV	802	10545	0.19%	0.013%
222	13.612	13.594	13.629	VV	5340	63334	1.12%	0.080%
223	13.636	13.629	13.658	VV	2265	23227	0.41%	0.029%
224	13.705	13.658	13.727	VV	9685	156365	2.76%	0.197%
225	13.747	13.727	13.793	VV	4895	104323	1.84%	0.131%
226	13.809	13.793	13.825	VV	1853	29634	0.52%	0.037%
227	13.839	13.825	13.864	VV	1616	27057	0.48%	0.034%
228	13.906	13.864	13.978	VV	23949	385343	6.81%	0.485%
229	14.005	13.978	14.014	VV	5299	77748	1.37%	0.098%
230	14.027	14.014	14.073	VV	6234	110040	1.95%	0.139%
231	14.096	14.073	14.114	VV	2633	35367	0.63%	0.045%
232	14.140	14.114	14.156	VV	3288	51583	0.91%	0.065%
233	14.177	14.156	14.199	VV	7349	97064	1.72%	0.122%
234	14.217	14.199	14.237	VV	1870	27163	0.48%	0.034%
235	14.270	14.237	14.295	VV	5548	101597	1.80%	0.128%
236	14.308	14.295	14.328	VV	4236	56440	1.00%	0.071%
237	14.349	14.328	14.388	VV	3332	61834	1.09%	0.078%
238	14.423	14.388	14.438	VV	1352	25690	0.45%	0.032%
239	14.459	14.438	14.500	VV	1681	50682	0.90%	0.064%
240	14.513	14.500	14.542	VV	1596	24794	0.44%	0.031%
241	14.579	14.542	14.603	VV	703	15239	0.27%	0.019%
242	14.616	14.603	14.624	PV	347	2190	0.04%	0.003%
243	14.662	14.624	14.685	VV	2586	38322	0.68%	0.048%
244	14.715	14.685	14.739	VV	1815	39686	0.70%	0.050%
245	14.765	14.739	14.798	VV	16249	207856	3.67%	0.262%
246	14.834	14.798	14.858	VV	6302	100940	1.78%	0.127%

247	14.869	14.858	14.888	VV	1845	26941	0.48%	0.034%
248	14.934	14.888	14.976	VV	7629	212327	3.75%	0.267%
249	15.008	14.976	15.033	VV	22107	314122	5.55%	0.396%
250	15.067	15.033	15.098	VV	16245	272360	4.82%	0.343%
251	15.159	15.098	15.171	VV	2545	67667	1.20%	0.085%
252	15.212	15.171	15.249	VV	42258	581248	10.28%	0.732%
253	15.278	15.249	15.286	PV	5606	67126	1.19%	0.085%
254	15.312	15.286	15.337	VV	31220	494302	8.74%	0.623%
255	15.365	15.337	15.395	VV	58389	746176	13.19%	0.940%
256	15.415	15.395	15.435	VV	2902	41386	0.73%	0.052%
257	15.478	15.435	15.497	VV	10731	187896	3.32%	0.237%
258	15.521	15.497	15.540	VV	22958	298382	5.28%	0.376%
259	15.555	15.540	15.592	VV	9536	144512	2.55%	0.182%
260	15.618	15.592	15.640	VV	4290	71484	1.26%	0.090%
261	15.675	15.640	15.721	VV	5366	128887	2.28%	0.162%
262	15.755	15.721	15.788	VV	40607	596516	10.55%	0.751%
263	15.797	15.788	15.840	VV	4374	94965	1.68%	0.120%
264	15.854	15.840	15.871	VV	1893	27093	0.48%	0.034%
265	15.898	15.871	15.935	VV	15381	252416	4.46%	0.318%
266	15.976	15.935	16.018	VV	16314	288871	5.11%	0.364%
267	16.034	16.018	16.061	VV	4190	52302	0.92%	0.066%
268	16.110	16.061	16.131	PV	5432	80491	1.42%	0.101%
269	16.157	16.131	16.191	VV	4104	94845	1.68%	0.119%
270	16.239	16.191	16.250	VV	1875	39563	0.70%	0.050%
271	16.273	16.250	16.301	VV	3068	61925	1.09%	0.078%
272	16.322	16.301	16.334	VV	2864	39518	0.70%	0.050%
273	16.351	16.334	16.381	VV	4027	87415	1.55%	0.110%
274	16.399	16.381	16.419	VV	5561	77406	1.37%	0.098%
275	16.436	16.419	16.447	VV	2598	32903	0.58%	0.041%
276	16.462	16.447	16.490	VV	3414	48047	0.85%	0.061%
277	16.527	16.490	16.559	VV	3327	57261	1.01%	0.072%
278	16.612	16.559	16.628	PV	2363	38867	0.69%	0.049%
279	16.637	16.628	16.647	VV	1340	13460	0.24%	0.017%
280	16.666	16.647	16.685	VV	2832	40210	0.71%	0.051%
281	16.713	16.685	16.734	VV	3053	59102	1.04%	0.074%
282	16.771	16.734	16.800	VV	37961	573257	10.13%	0.722%
283	16.817	16.800	16.845	VV	7297	139768	2.47%	0.176%
284	16.886	16.845	16.906	VV	71730	1029692	18.20%	1.297%
285	16.913	16.906	16.941	VV	22062	235926	4.17%	0.297%
286	16.968	16.941	16.994	VV	4476	65363	1.16%	0.082%
287	17.016	16.994	17.035	PV	3651	43252	0.76%	0.054%
288	17.053	17.035	17.068	VV	2385	30114	0.53%	0.038%
289	17.092	17.068	17.119	VV	11627	155244	2.74%	0.196%
290	17.135	17.119	17.154	VV	2744	41267	0.73%	0.052%
291	17.207	17.154	17.233	VV	29370	496966	8.79%	0.626%
292	17.265	17.233	17.318	VV	25978	412106	7.29%	0.519%
293	17.353	17.318	17.386	VV	7680	173265	3.06%	0.218%
294	17.428	17.386	17.458	VV	12696	198905	3.52%	0.251%
295	17.505	17.458	17.545	VV	2631	68238	1.21%	0.086%
296	17.584	17.545	17.608	VV	2640	53618	0.95%	0.068%
297	17.645	17.608	17.684	VV	2909	80905	1.43%	0.102%
298	17.715	17.684	17.739	VV	29847	435614	7.70%	0.549%
299	17.754	17.739	17.775	VV	9214	148507	2.63%	0.187%

300	17.803	17.775	17.832	VV	43707	600721	10.62%	0.757%
301	17.849	17.832	17.867	VV	2793	36729	0.65%	0.046%
302	17.887	17.867	17.911	VV	3739	51832	0.92%	0.065%
303	17.932	17.911	17.950	VV	1075	15074	0.27%	0.019%
304	17.970	17.950	17.994	VV	672	10052	0.18%	0.013%
305	18.017	17.994	18.051	PV	3023	65776	1.16%	0.083%
306	18.085	18.051	18.105	VV	1094	27922	0.49%	0.035%
307	18.127	18.105	18.143	VV	426	6136	0.11%	0.008%
308	18.194	18.143	18.214	PV	2564	81302	1.44%	0.102%
309	18.241	18.214	18.279	VV	10729	200093	3.54%	0.252%
310	18.330	18.279	18.353	VV	15280	296947	5.25%	0.374%
311	18.367	18.353	18.386	VV	5007	78145	1.38%	0.098%
312	18.401	18.386	18.417	VV	4419	63140	1.12%	0.080%
313	18.429	18.417	18.444	VV	2901	42993	0.76%	0.054%
314	18.483	18.444	18.514	VV	6340	140701	2.49%	0.177%
315	18.548	18.514	18.560	VV	7587	122504	2.17%	0.154%
316	18.599	18.560	18.619	VV	34731	620418	10.97%	0.782%
317	18.637	18.619	18.648	VV	28541	374324	6.62%	0.472%
318	18.664	18.648	18.709	VV	38243	627624	11.10%	0.791%
319	18.761	18.709	18.780	VV	6398	159574	2.82%	0.201%
320	18.803	18.780	18.829	VV	10960	178942	3.16%	0.225%
321	18.893	18.829	18.940	VV	24493	457623	8.09%	0.577%
322	18.976	18.940	18.995	VV	3570	111406	1.97%	0.140%
323	19.023	18.995	19.040	VV	7157	132399	2.34%	0.167%
324	19.070	19.040	19.094	VV	15299	319368	5.65%	0.402%
325	19.112	19.094	19.141	VV	10035	191260	3.38%	0.241%
326	19.177	19.141	19.226	VV	20640	503815	8.91%	0.635%
327	19.250	19.226	19.271	VV	8106	164137	2.90%	0.207%
328	19.295	19.271	19.324	VV	10619	226602	4.01%	0.285%
329	19.374	19.324	19.393	VV	14761	357569	6.32%	0.450%
330	19.439	19.393	19.465	VV	57947	1434065	25.35%	1.807%
331	19.488	19.465	19.524	VV	59660	1119568	19.79%	1.410%
332	19.567	19.524	19.596	VV	26262	614290	10.86%	0.774%
333	19.623	19.596	19.649	VV	32172	557340	9.85%	0.702%
334	19.672	19.649	19.700	VV	12475	313874	5.55%	0.395%
335	19.731	19.700	19.762	VV	18288	491251	8.68%	0.619%
336	19.782	19.762	19.800	VV	13725	251333	4.44%	0.317%
337	19.817	19.800	19.833	VV	12708	219572	3.88%	0.277%
338	19.856	19.833	19.879	VV	14611	325336	5.75%	0.410%
339	19.934	19.879	19.954	VV	26045	800110	14.15%	1.008%
340	19.967	19.954	20.010	VV	17808	466567	8.25%	0.588%
341	20.050	20.010	20.086	VV	25172	752172	13.30%	0.948%
342	20.160	20.086	20.190	VV	27836	1282203	22.67%	1.615%
343	20.230	20.190	20.254	VV	29711	872963	15.43%	1.100%
344	20.268	20.254	20.294	VV	19378	430722	7.61%	0.543%
345	20.330	20.294	20.358	VV	17991	630004	11.14%	0.794%
346	20.427	20.358	20.451	VV	28265	1186132	20.97%	1.494%
347	20.471	20.451	20.504	VV	22191	668663	11.82%	0.842%
348	20.620	20.504	20.673	VV	24950	2230042	39.42%	2.809%
349	20.716	20.673	20.731	VV	22248	757474	13.39%	0.954%
350	20.773	20.731	20.827	VV	24489	1323980	23.41%	1.668%
351	20.865	20.827	20.912	VV	23556	1146583	20.27%	1.444%

rteres

352	20.955	20.912	20.998	VV	23389	1114078	19.70%	1.404%
353	21.011	20.998	21.061	VV	20465	717007	12.68%	0.903%
354	21.134	21.061	21.177	VV	17825	1219192	21.55%	1.536%
355	21.193	21.177	21.221	VV	16787	427058	7.55%	0.538%
356	21.239	21.221	21.274	VV	16194	509517	9.01%	0.642%
357	21.389	21.274	21.397	VV	18113	1235987	21.85%	1.557%
358	21.417	21.397	21.454	VV	18283	589625	10.42%	0.743%
359	21.467	21.454	21.553	VV	16020	827377	14.63%	1.042%
360	21.601	21.553	21.633	VV	12776	589886	10.43%	0.743%
361	21.653	21.633	21.674	VV	11643	278363	4.92%	0.351%
362	21.717	21.674	21.748	VV	13003	533050	9.42%	0.672%
363	21.755	21.748	21.769	VV	11493	147119	2.60%	0.185%
364	21.777	21.769	21.811	VV	11137	267330	4.73%	0.337%
365	21.849	21.811	21.861	VV	10982	313780	5.55%	0.395%
366	21.881	21.861	21.945	VV	10988	450870	7.97%	0.568%
367	21.962	21.945	21.971	VV	6127	96129	1.70%	0.121%
368	21.981	21.971	21.997	VV	5937	90668	1.60%	0.114%
369	22.012	21.997	22.028	VV	5503	98450	1.74%	0.124%
370	22.057	22.028	22.078	VV	5320	151763	2.68%	0.191%
371	22.102	22.078	22.150	VV	5173	162785	2.88%	0.205%
372	22.199	22.150	22.240	VV	2300	96279	1.70%	0.121%
373	22.290	22.240	22.318	VV	2999	84568	1.50%	0.107%
374	22.336	22.318	22.365	VV	1252	23520	0.42%	0.030%

Sum of corrected areas: 79376959

Aliphatic EPH 062725.M Tue Jul 08 05:07:27 2025

CALIBRATION SUMMARY

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

Inital Calibration Report for SequenceID : FE062725AL

AreaCount

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

AVG Response Factor

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

Concentration

Parameter Range	FE054608.D	FE054609.D	FE054610.D	FE054611.D	FE054612.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

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

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

Inital Calibration Report for SequenceID : FE062725AL

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

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

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

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

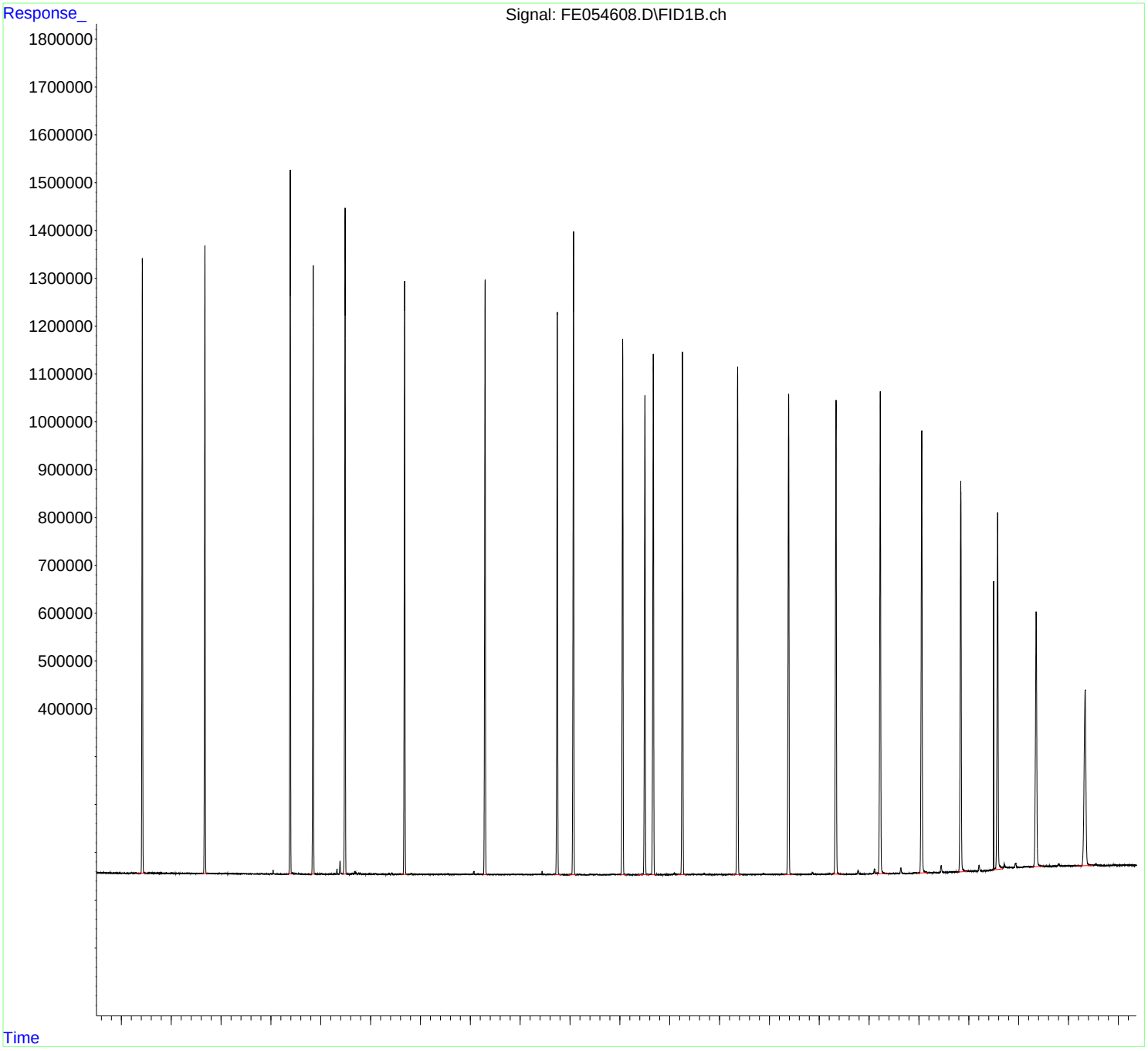
(f)=RT Delta > 1/2 Window (m)=manual int.

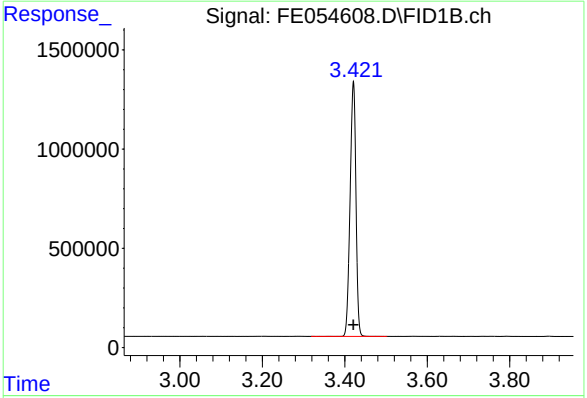
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054608.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 12:53
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

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

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

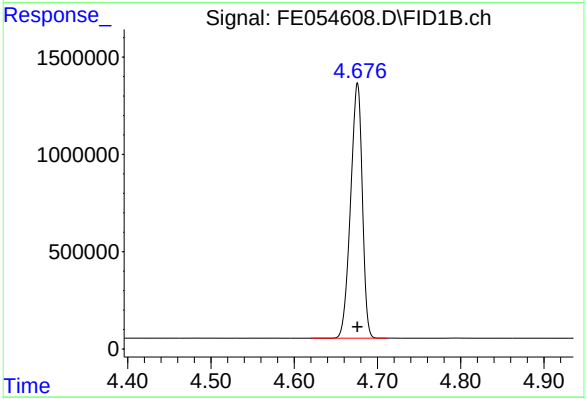




#1 n-Nonane (C9)

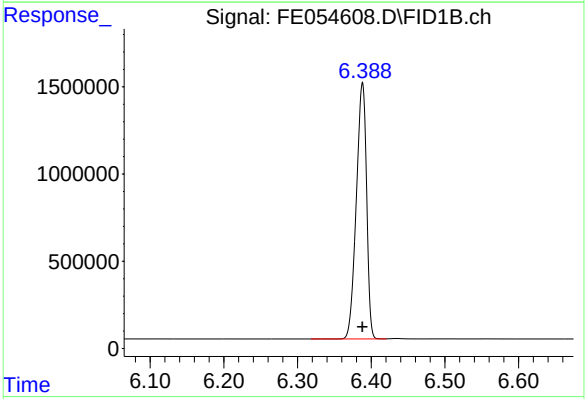
R.T.: 3.421 min
Delta R.T.: 0.000 min
Response: 12635864
Conc: 98.50 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



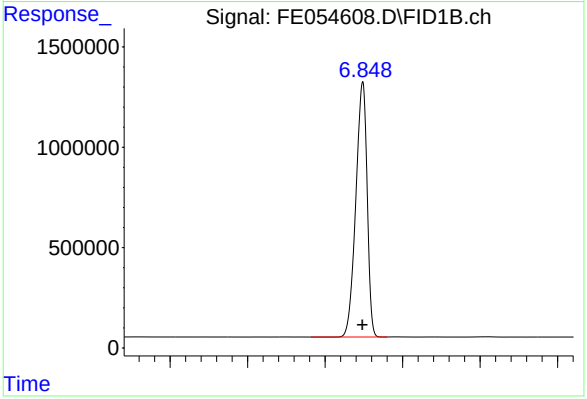
#2 n-Decane (C10)

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



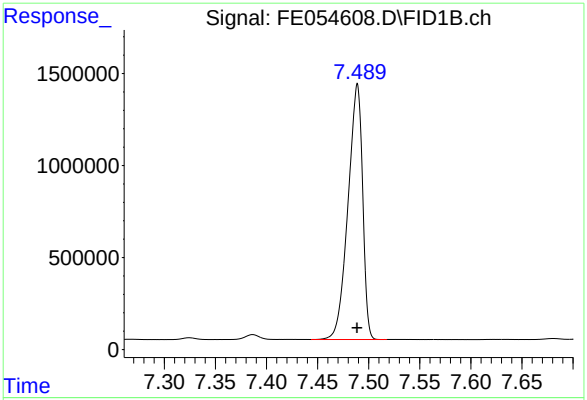
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

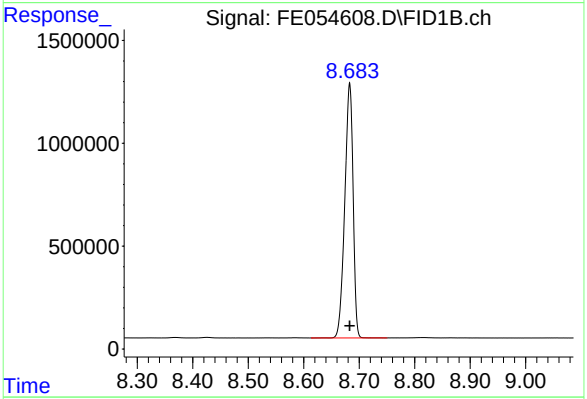
R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 12881494
Conc: 98.44 ug/ml



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

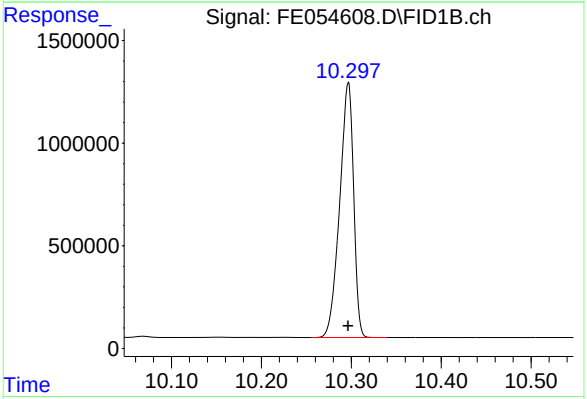
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 13806245
Conc: 98.39 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



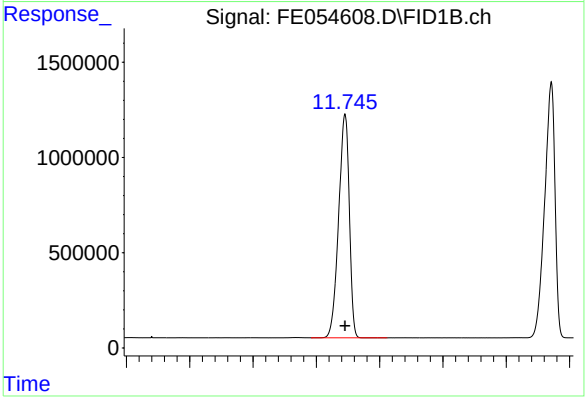
#6 n-Tetradecane (C14)

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



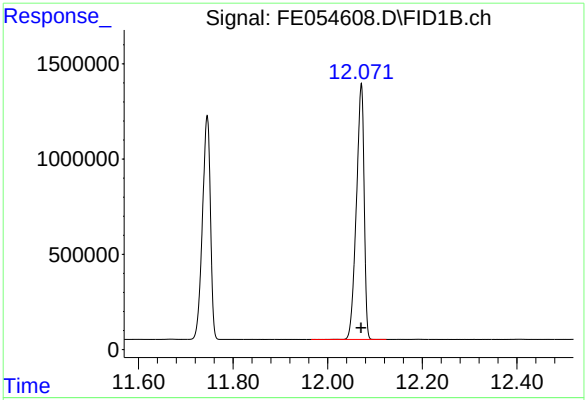
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

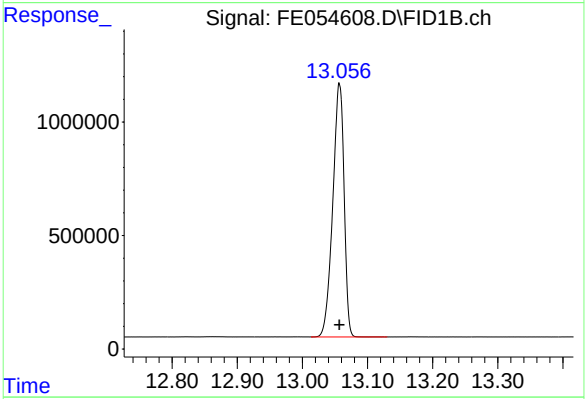
R.T.: 11.745 min
Delta R.T.: 0.000 min
Response: 13738504
Conc: 98.38 ug/ml



#9 ortho-Terphenyl (SURR)

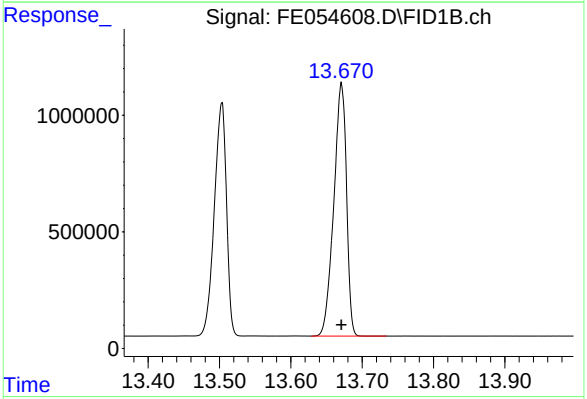
R.T.: 12.071 min
Delta R.T.: 0.000 min
Response: 15261711
Conc: 98.32 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



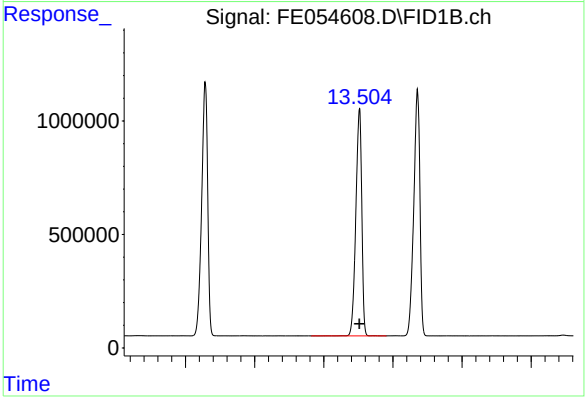
#10 n-Eicosane (C20)

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



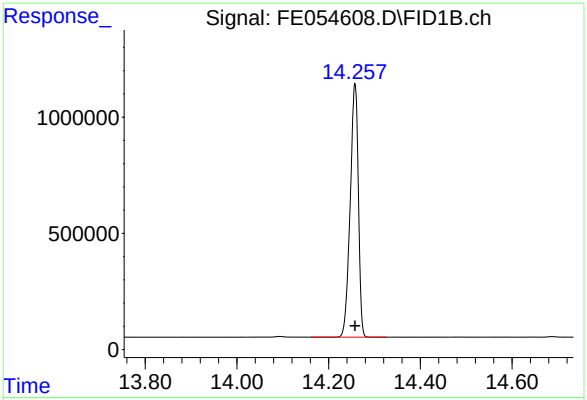
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

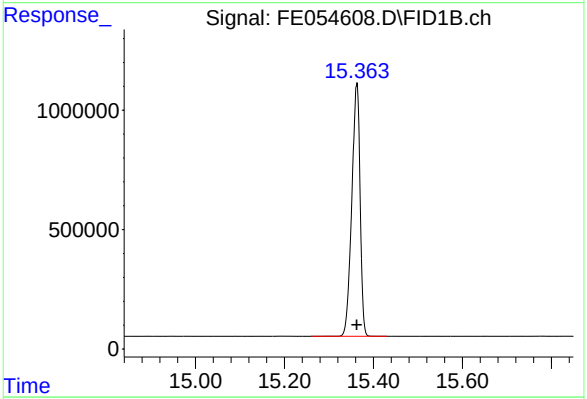
R.T.: 13.503 min
Delta R.T.: 0.000 min
Response: 11912385
Conc: 98.56 ug/ml



#13 n-Docosane (C22)

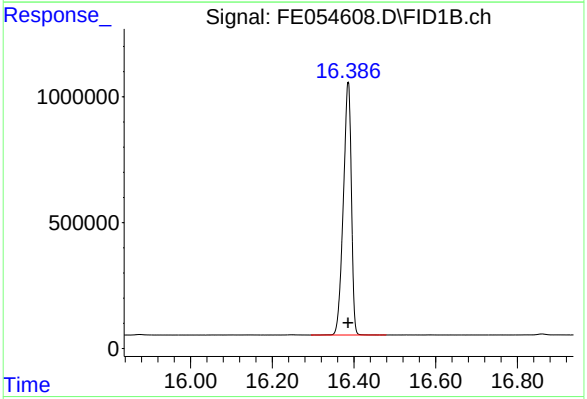
R.T.: 14.257 min
Delta R.T.: 0.000 min
Response: 13479858
Conc: 98.59 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



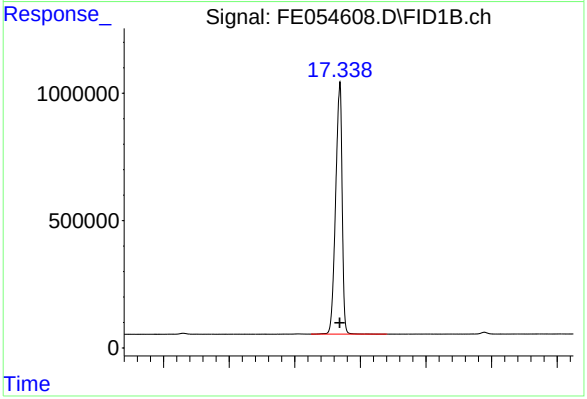
#14 n-Tetracosane (C24)

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



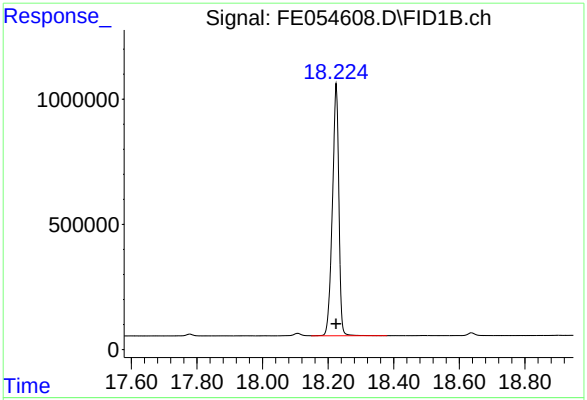
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

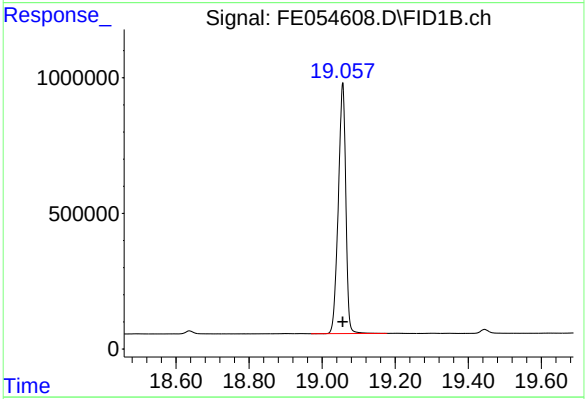
R.T.: 17.337 min
Delta R.T.: 0.000 min
Response: 13551138
Conc: 98.10 ug/ml



#17 n-Tricontane (C30)

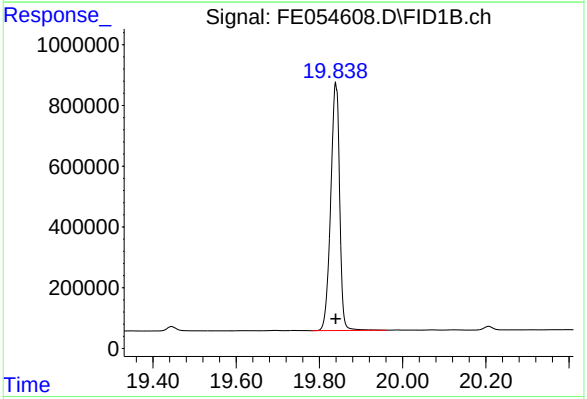
R.T.: 18.224 min
Delta R.T.: 0.000 min
Response: 13754161
Conc: 95.72 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



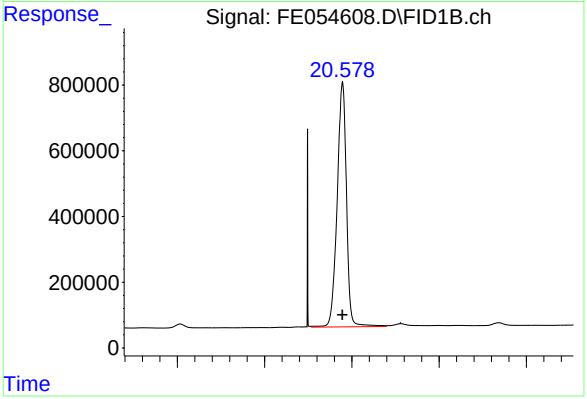
#18 n-Dotriacontane (C32)

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



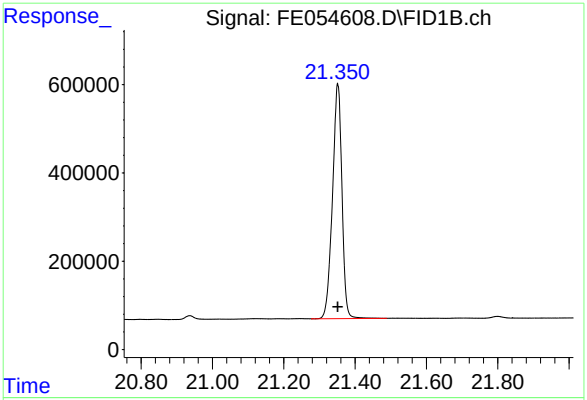
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

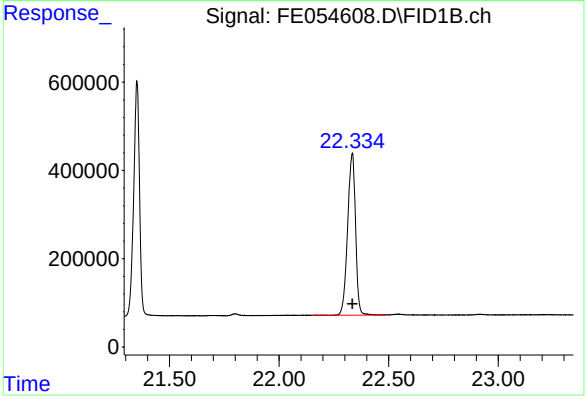
R.T.: 20.578 min
Delta R.T.: 0.000 min
Response: 11077409
Conc: 94.49 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.421	3.319	3.500	BB	1283528	12635864	82.79%	4.449%
2	4.676	4.620	4.710	BV	1312539	12802268	83.88%	4.507%
3	6.388	6.319	6.420	BV	1479361	14212427	93.12%	5.004%
4	6.848	6.782	6.879	BV	1278516	12881494	84.40%	4.535%
5	7.488	7.444	7.517	VV	1394772	13806245	90.46%	4.861%
6	8.683	8.614	8.749	PB	1234943	12896740	84.50%	4.541%
7	10.296	10.255	10.339	PB	1250423	13403145	87.82%	4.719%
8	11.745	11.692	11.810	VB	1176747	13738504	90.02%	4.837%
9	12.071	11.965	12.124	BB	1336962	15261711	100.00%	5.373%
10	13.057	13.014	13.129	PB	1115976	13489369	88.39%	4.749%
11	13.503	13.364	13.580	BV	997573	11912385	78.05%	4.194%
12	13.671	13.629	13.734	VB	1084496	13419134	87.93%	4.724%
13	14.257	14.162	14.325	BB	1093867	13479858	88.32%	4.746%
14	15.363	15.260	15.429	BB	1054542	13696854	89.75%	4.822%
15	16.386	16.295	16.479	BB	1005481	13694406	89.73%	4.821%
16	17.337	17.250	17.479	BB	985681	13551138	88.79%	4.771%
17	18.224	18.149	18.377	VB	1004571	13754161	90.12%	4.842%
18	19.056	18.970	19.175	BV	923456	13143119	86.12%	4.627%
19	19.839	19.780	19.960	BV	814419	12141560	79.56%	4.275%
20	20.578	20.507	20.679	VV	746760	11077409	72.58%	3.900%
21	21.352	21.277	21.487	BV	529504	9810489	64.28%	3.454%
22	22.334	22.147	22.489	BV	367080	9229400	60.47%	3.249%
			Sum of corrected areas:			284037678		

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Manual Integrations APPROVED

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

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

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

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

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

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

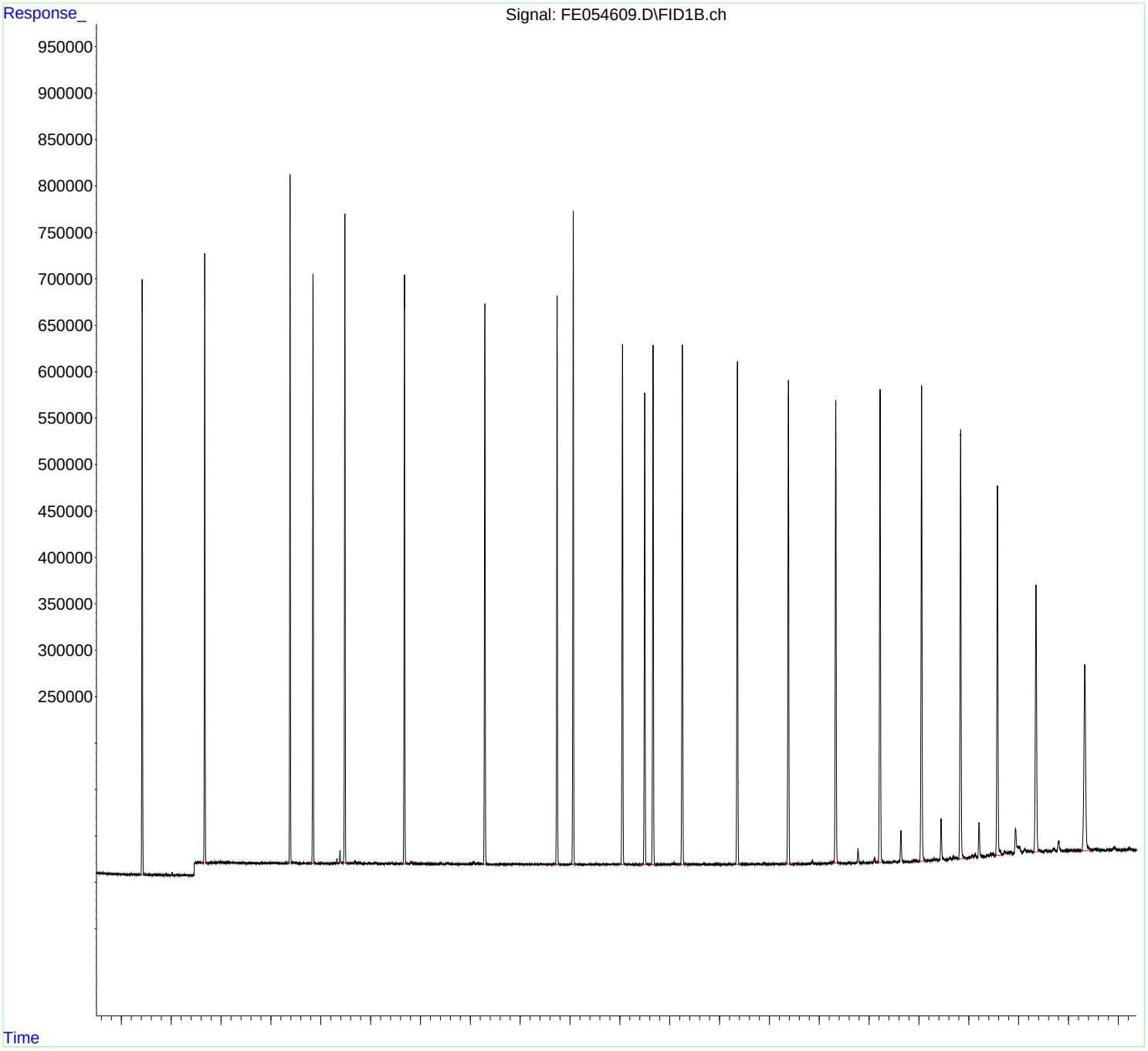
Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

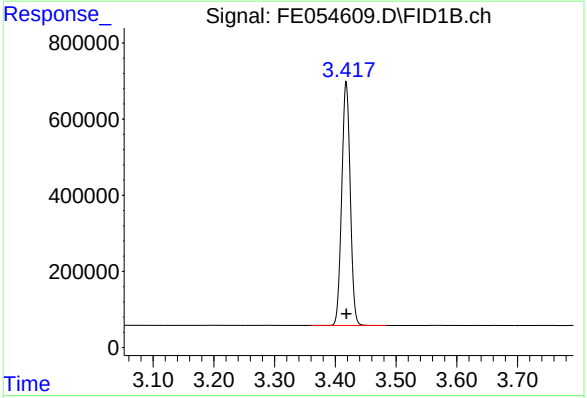
Manual Integrations APPROVED

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

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

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





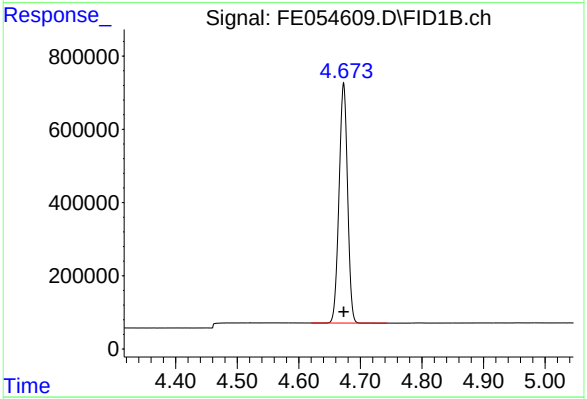
#1 n-Nonane (C9)

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

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

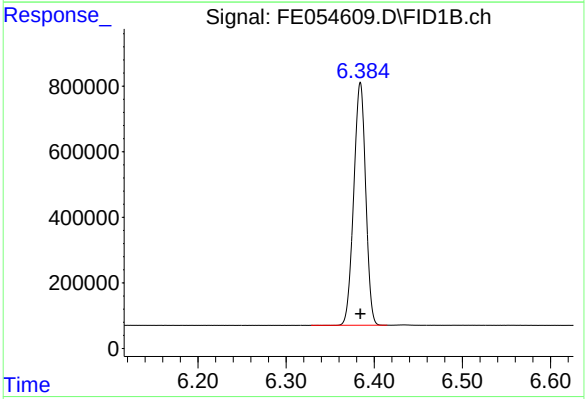
Manual Integrations
APPROVED

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



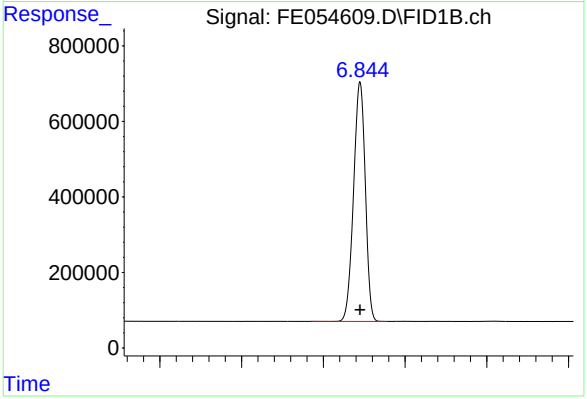
#2 n-Decane (C10)

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



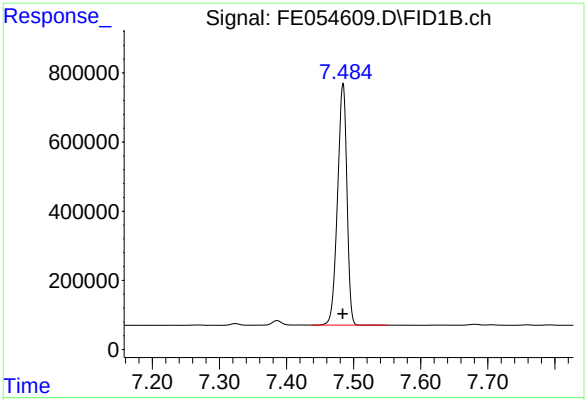
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

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



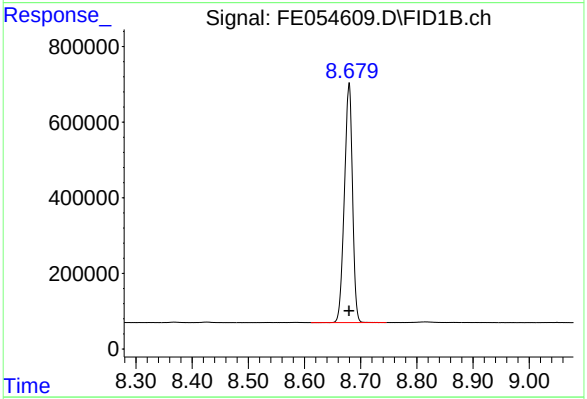
#5 A~2-methylnaphthalene (C12.89)

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

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

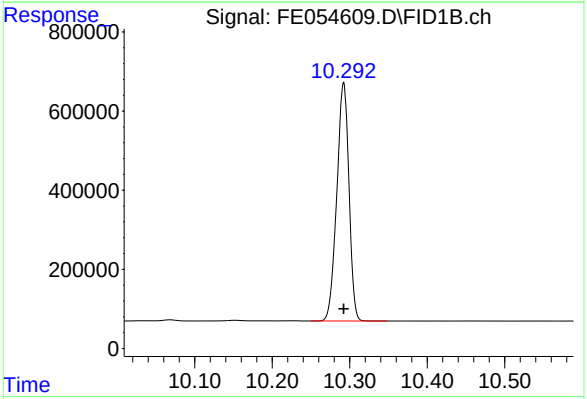
Manual Integrations
APPROVED

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



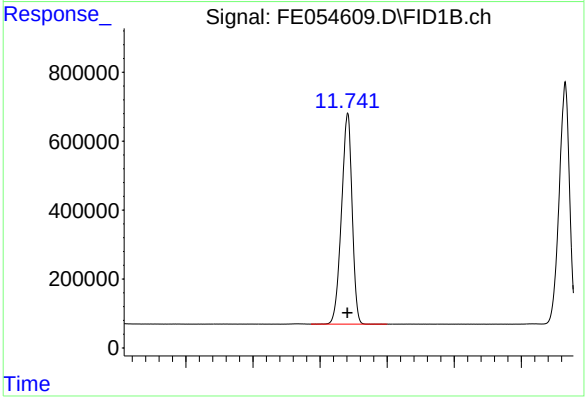
#6 n-Tetradecane (C14)

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



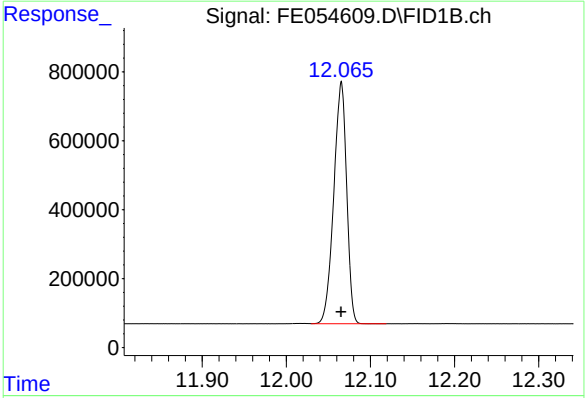
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

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



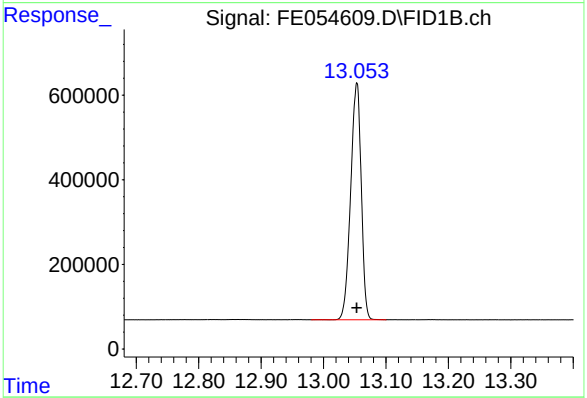
#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

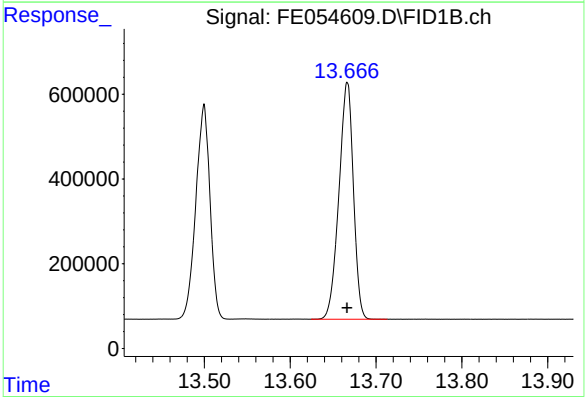
Manual Integrations APPROVED

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



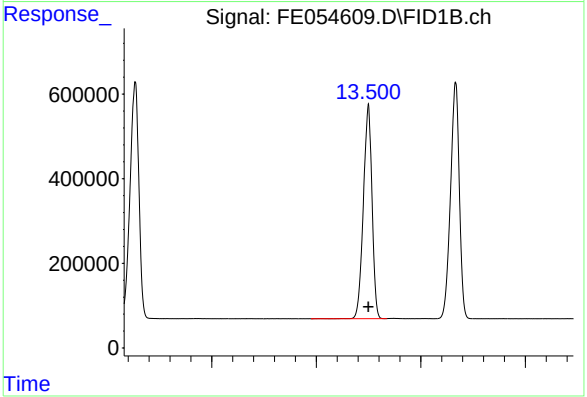
#10 n-Eicosane (C20)

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



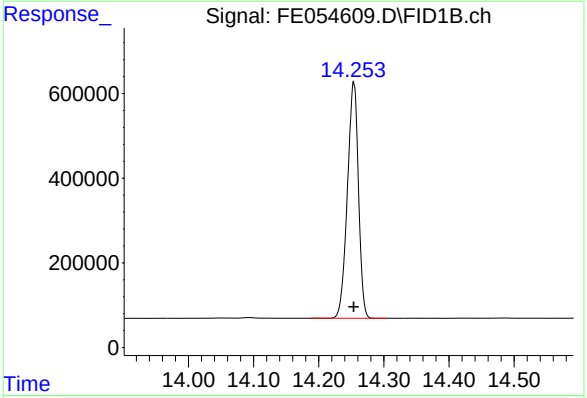
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

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



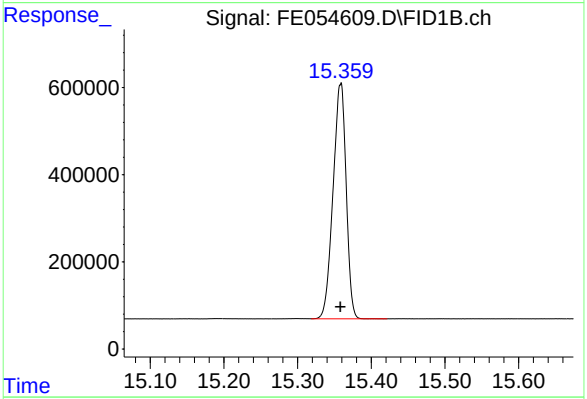
#13 n-Docosane (C22)

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

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

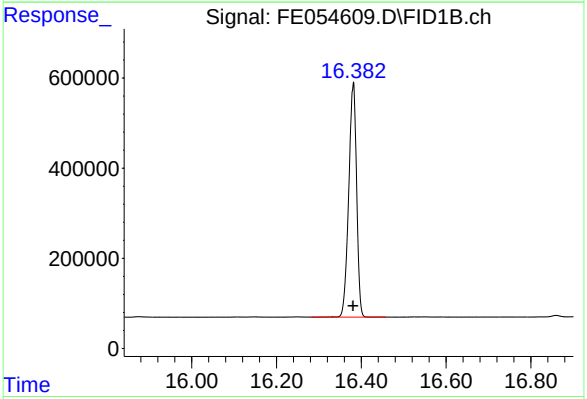
Manual Integrations
APPROVED

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



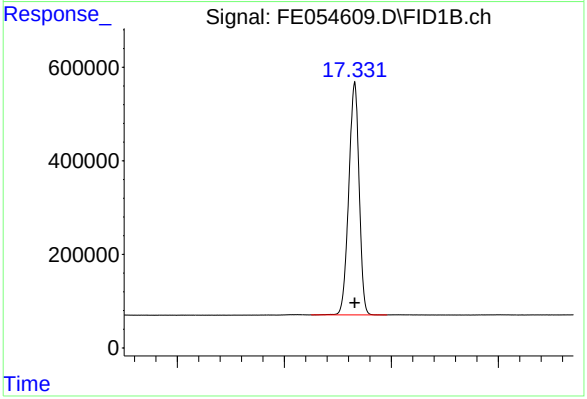
#14 n-Tetracosane (C24)

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



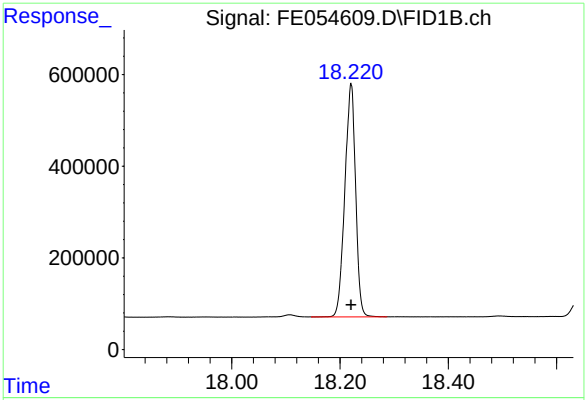
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

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



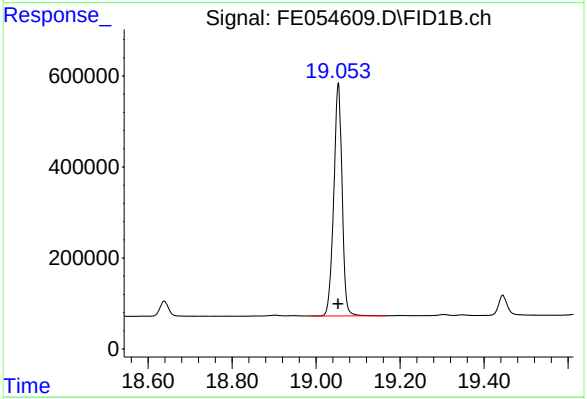
#17 n-Tricontane (C30)

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

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

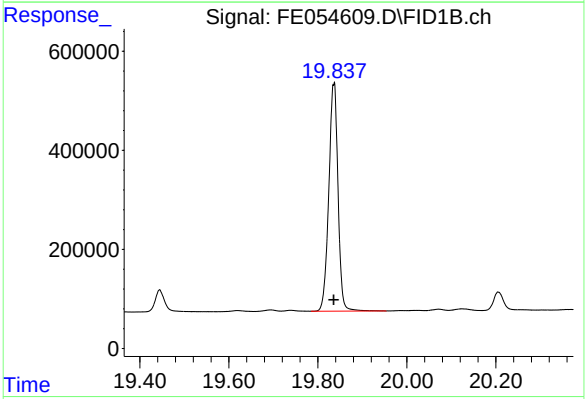
Manual Integrations
APPROVED

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



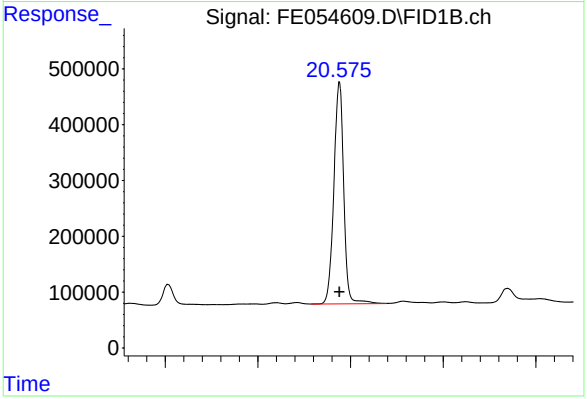
#18 n-Dotriacontane (C32)

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



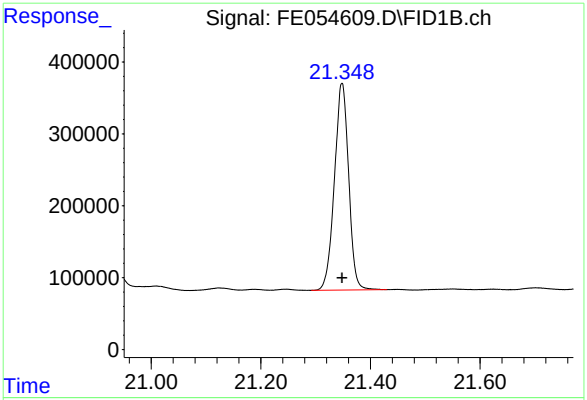
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

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



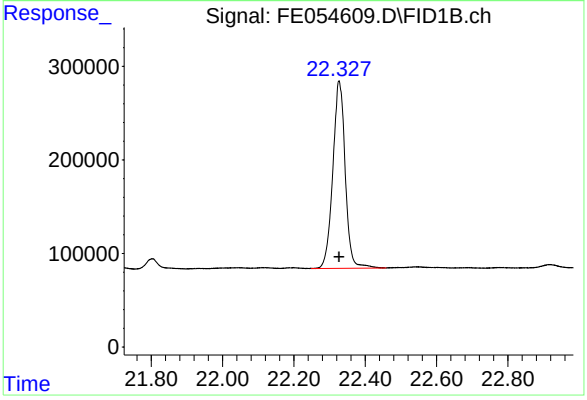
#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Manual Integrations
APPROVED

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



#22 n-Tetracontane (C40)

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

rteres

Instrument :
FID_E
LabSampleId :
50 PPM ALIPHATIC HC STD2

Area Percent Report

Manual IntegrationsAPPROVED

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

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

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.418	3.360	3.484	BB	636637	6226788	83.33%	4.387%
2	4.673	4.620	4.742	BB	656352	6290394	84.18%	4.432%
3	6.384	6.329	6.414	BV	740919	6971284	93.29%	4.912%
4	6.845	6.785	6.877	BV	635637	6324077	84.63%	4.456%
5	7.484	7.437	7.549	BB	696784	6781515	90.75%	4.778%
6	8.679	8.612	8.745	BB	627912	6340887	84.86%	4.467%
7	10.292	10.250	10.347	BB	602896	6564847	87.85%	4.625%
8	11.741	11.687	11.799	VB	609597	6726768	90.02%	4.739%
9	12.065	12.030	12.119	VB	704192	7472405	100.00%	5.265%
10	13.053	12.980	13.100	BB	562485	6597648	88.29%	4.648%
11	13.499	13.390	13.534	BV	501995	5810376	77.76%	4.094%
12	13.666	13.625	13.712	PB	560211	6559873	87.79%	4.622%
13	14.254	14.189	14.304	BB	559020	6582801	88.09%	4.638%
14	15.358	15.319	15.420	VB	539298	6691637	89.55%	4.715%
15	16.381	16.282	16.459	BB	513585	6698709	89.65%	4.720%
16	17.331	17.250	17.390	BV	499581	6687667	89.50%	4.712%
17	18.220	18.147	18.285	VB	509924	7024431	94.00%	4.949%
18	19.053	18.989	19.167	BB	510669	7061554	94.50%	4.975%
19	19.836	19.785	19.954	VV	457918	6627704	88.70%	4.670%
20	20.576	20.515	20.677	VV	398656	5878224	78.67%	4.142%
21	21.348	21.292	21.429	PV	287822	5181070	69.34%	3.650%
22	22.327	22.249	22.459	BV	200256	4833466	64.68%	3.405%
			Sum of corrected areas:			141934123		

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

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

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.062	3156943	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12) S	1-chlorooctadecane (S...	13.497	2452207	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	n-Nonane (C9)	3.417	2604070	20.000 ug/ml
2) T	n-Decane (C10)	4.672	2641707	20.000 ug/ml
3) T	A~Naphthalene (C11.7)	6.383	2934117	20.000 ug/ml
4) T	n-Dodecane (C12)	6.844	2657748	20.000 ug/ml
5) T	A~2-methylnaphthalene...	7.482	2851436	20.000 ug/ml
6) T	n-Tetradecane (C14)	8.677	2675509	20.000 ug/ml
7) T	n-Hexadecane (C16)	10.290	2767706	20.000 ug/ml
8) T	n-Octadecane (C18)	11.737	2838043	20.000 ug/ml
10) T	n-Eicosane (C20)	13.050	2784649	20.000 ug/ml
11) T	n-Heneicosane (C21)	13.664	2767798	20.000 ug/ml
13) T	n-Docosane (C22)	14.251	2773055	20.000 ug/ml
14) T	n-Tetracosane (C24)	15.356	2814871	20.000 ug/ml
15) T	n-Hexacosane (C26)	16.378	2801775	20.000 ug/ml
16) T	n-Octacosane (C28)	17.329	2814947	20.000 ug/ml
17) T	n-Tricontane (C30)	18.217	2997062	20.000 ug/ml
18) T	n-Dotriacontane (C32)	19.050	3016622	20.000 ug/ml
19) T	n-Tetratriacontane (C34)	19.834	2851871	20.000 ug/ml
20) T	n-Hexatriacontane (C36)	20.572	2473790	20.000 ug/ml
21) T	n-Octatriacontane (C38)	21.345	2201144	20.000 ug/ml
22) T	n-Tetracontane (C40)	22.321	2031713	20.000 ug/ml

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

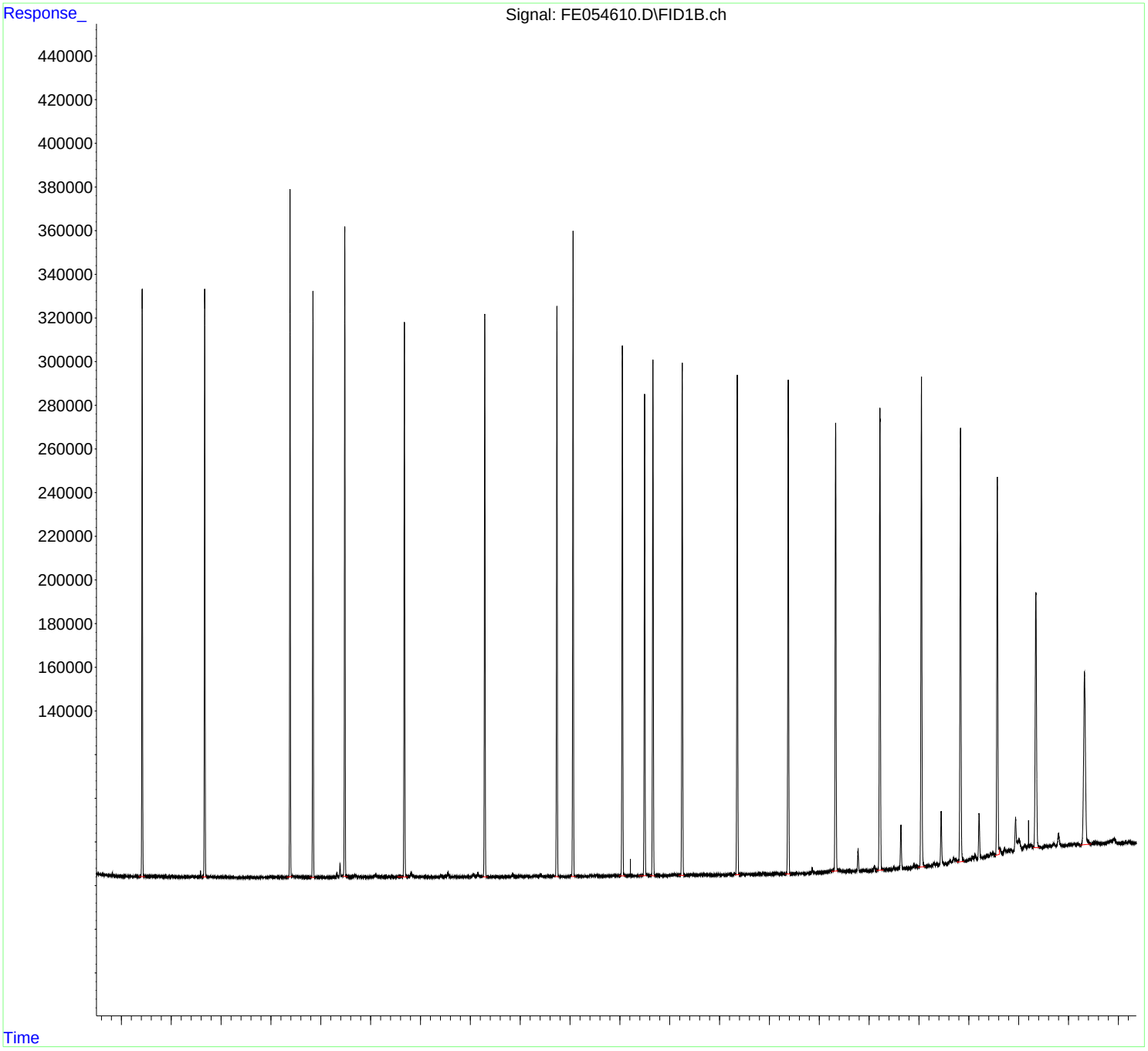
Quantitation Report (QT Reviewed)

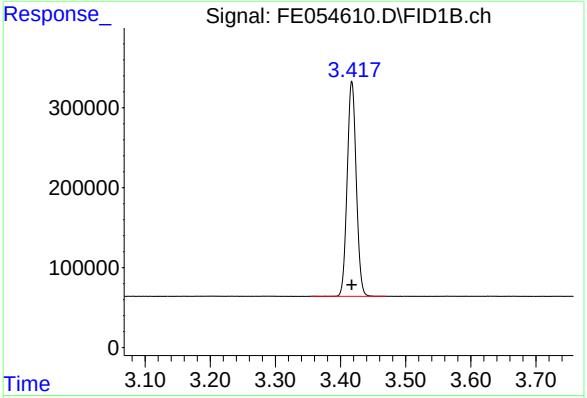
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054610.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 13:53
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

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

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

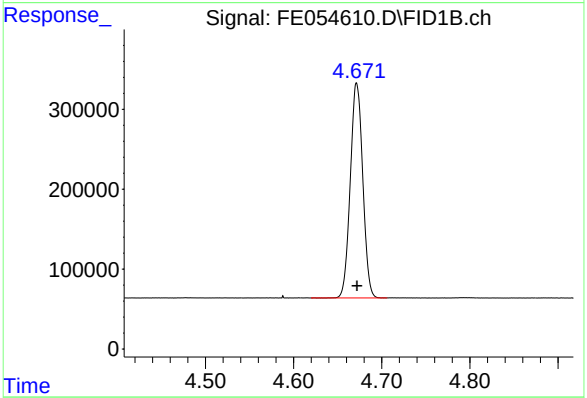




#1 n-Nonane (C9)

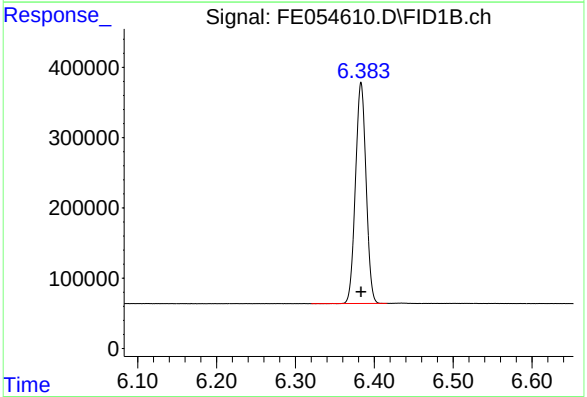
R.T.: 3.417 min
Delta R.T.: 0.000 min
Response: 2604070
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



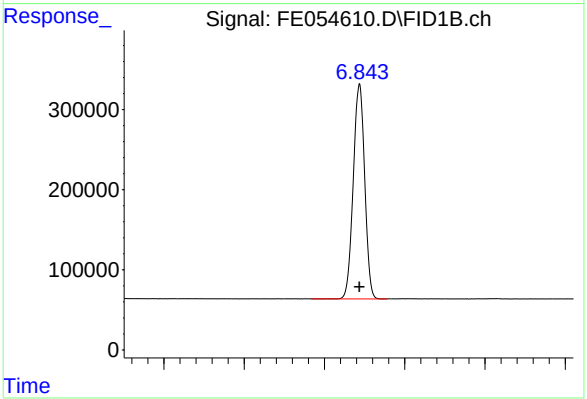
#2 n-Decane (C10)

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



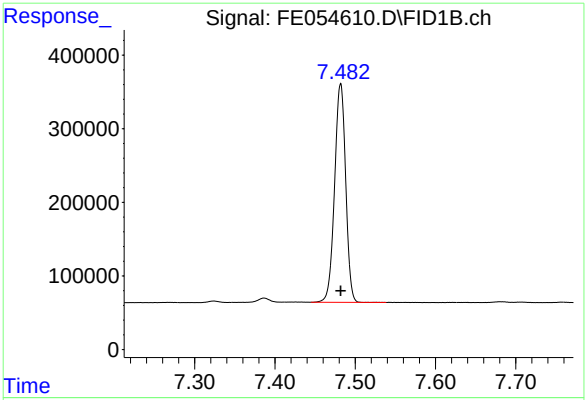
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

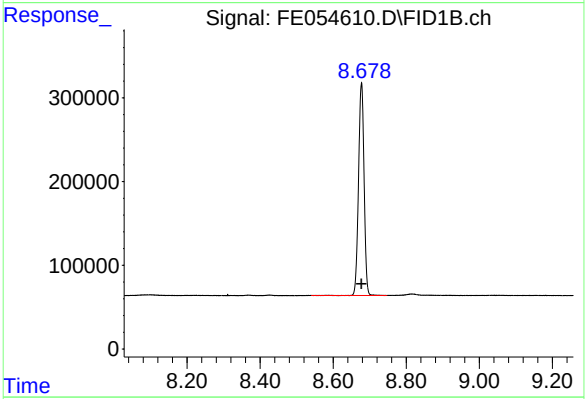
R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 2657748
Conc: 20.00 ug/ml



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

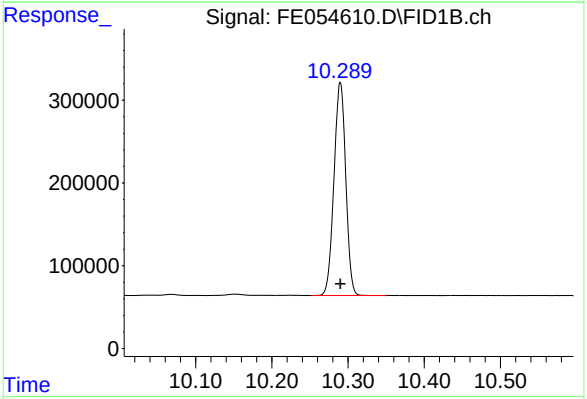
R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 2851436
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



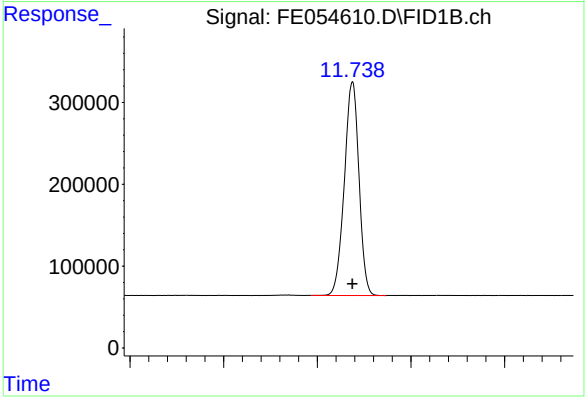
#6 n-Tetradecane (C14)

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



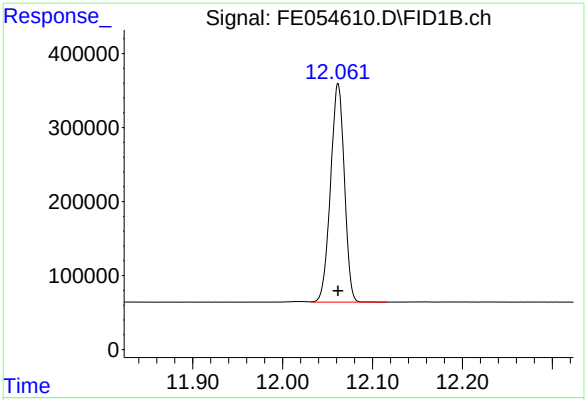
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

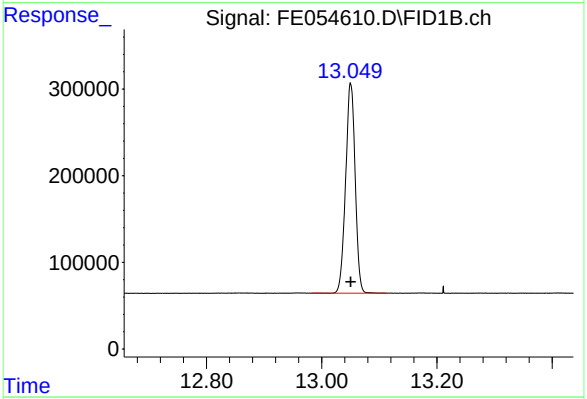
R.T.: 11.737 min
Delta R.T.: 0.000 min
Response: 2838043
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

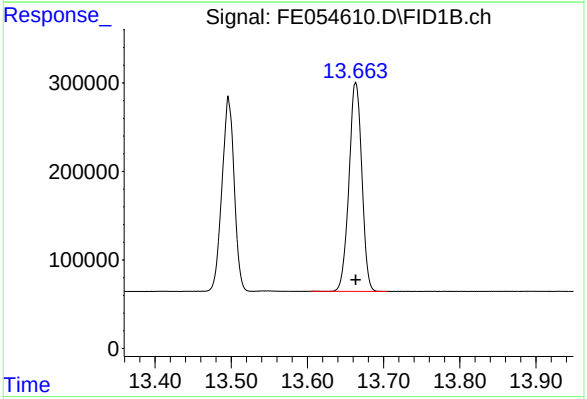
R.T.: 12.062 min
Delta R.T.: 0.000 min
Response: 3156943
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



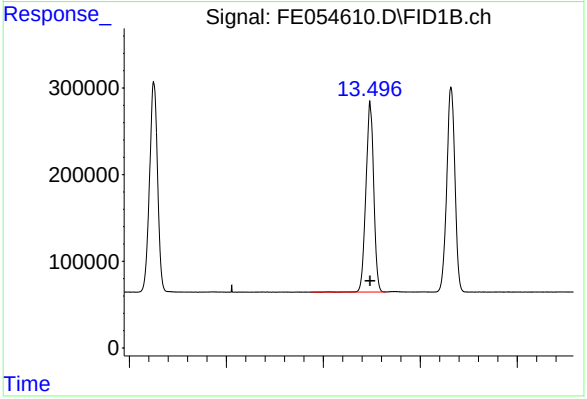
#10 n-Eicosane (C20)

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



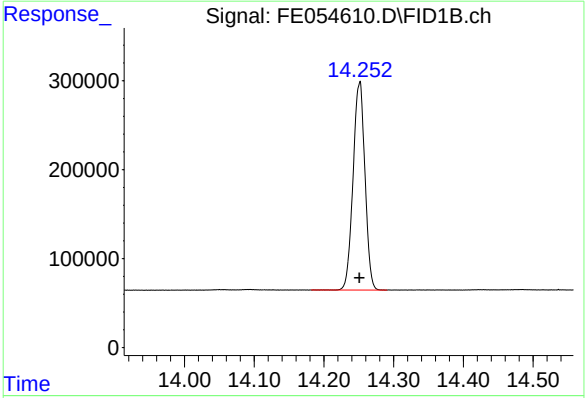
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

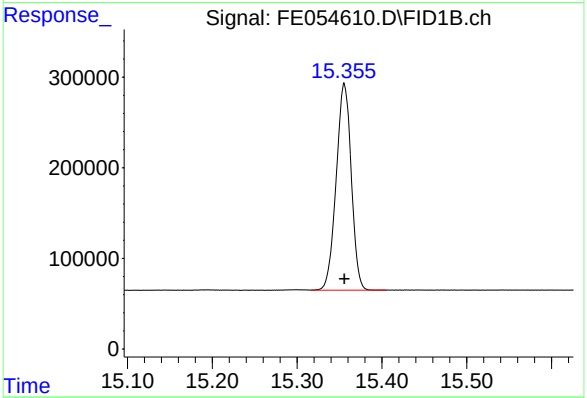
R.T.: 13.497 min
Delta R.T.: 0.000 min
Response: 2452207
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

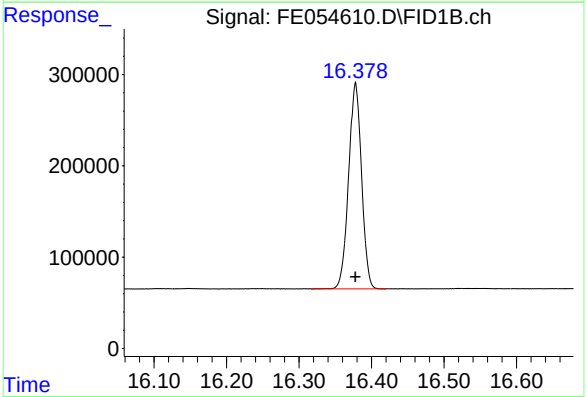
R.T.: 14.251 min
Delta R.T.: 0.000 min
Response: 2773055
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



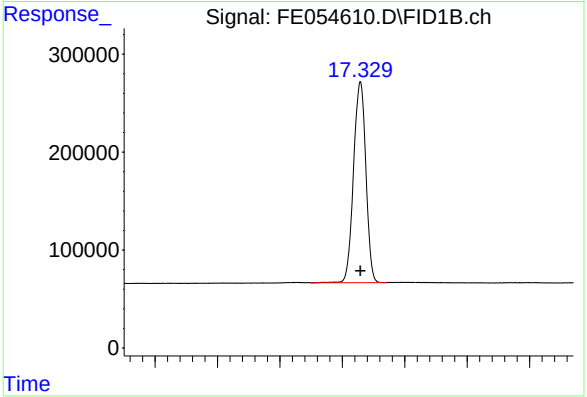
#14 n-Tetracosane (C24)

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



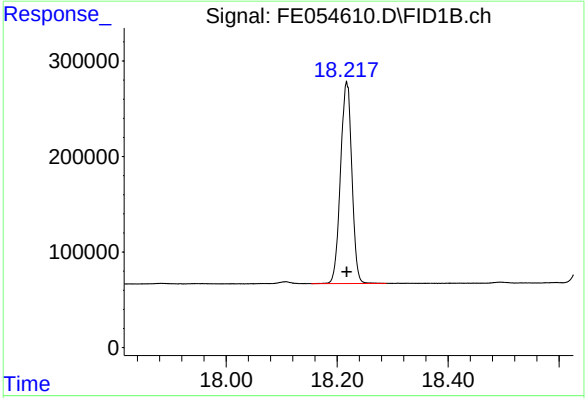
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

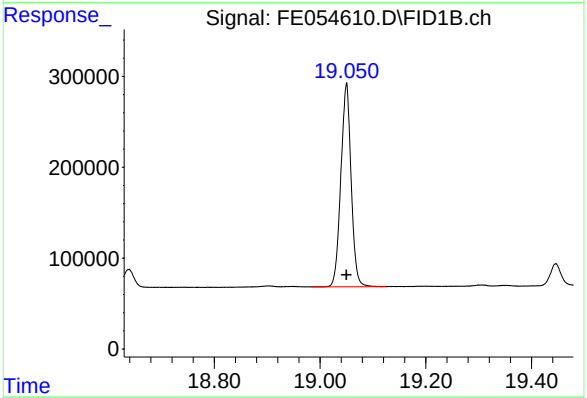
R.T.: 17.329 min
Delta R.T.: 0.000 min
Response: 2814947
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

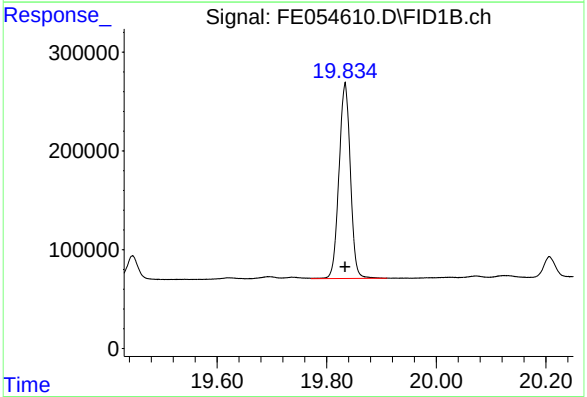
R.T.: 18.217 min
Delta R.T.: 0.000 min
Response: 2997062
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



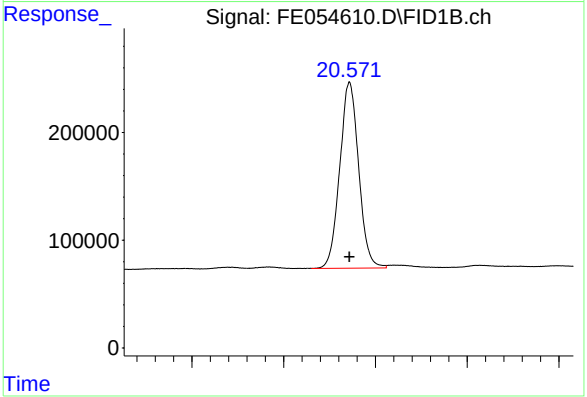
#18 n-Dotriacontane (C32)

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



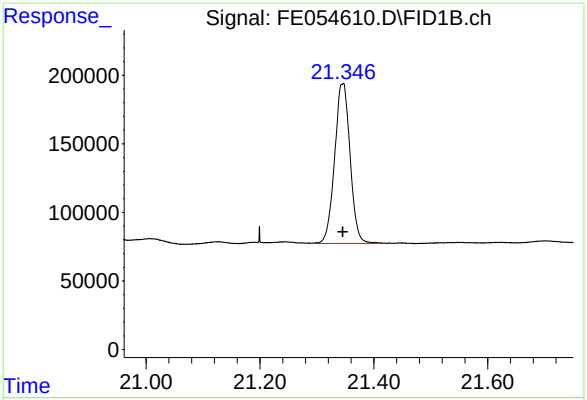
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

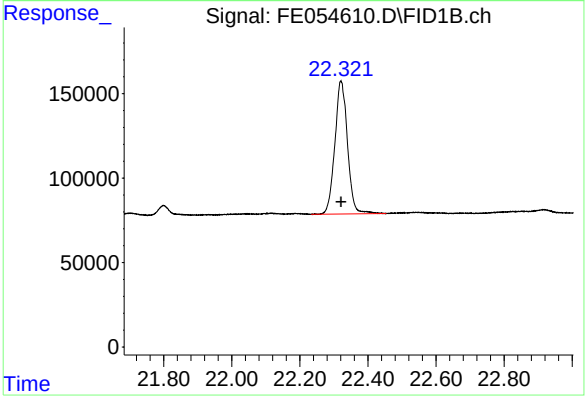
R.T.: 20.572 min
Delta R.T.: 0.000 min
Response: 2473790
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.417	3.355	3.470	BB	269063	2604070	82.49%	4.347%
2	4.672	4.620	4.705	BB	268277	2641707	83.68%	4.410%
3	6.383	6.320	6.415	BV	314891	2934117	92.94%	4.898%
4	6.844	6.783	6.877	BV	268290	2657748	84.19%	4.436%
5	7.482	7.445	7.538	BB	297241	2851436	90.32%	4.760%
6	8.677	8.540	8.745	BB	253033	2675509	84.75%	4.466%
7	10.290	10.252	10.350	BB	257624	2767706	87.67%	4.620%
8	11.737	11.693	11.773	BB	260719	2838043	89.90%	4.737%
9	12.062	12.032	12.115	VB	295794	3156943	100.00%	5.270%
10	13.050	12.982	13.112	BB	242032	2784649	88.21%	4.648%
11	13.497	13.375	13.530	BV	216935	2452207	77.68%	4.093%
12	13.664	13.605	13.703	BB	235623	2767798	87.67%	4.620%
13	14.251	14.182	14.289	BB	232009	2773055	87.84%	4.629%
14	15.356	15.317	15.405	VB	228102	2814871	89.16%	4.699%
15	16.378	16.317	16.420	BB	225943	2801775	88.75%	4.677%
16	17.329	17.250	17.370	BV	205609	2814947	89.17%	4.699%
17	18.217	18.153	18.288	BB	210880	2997062	94.94%	5.003%
18	19.050	18.983	19.125	BB	224239	3016622	95.56%	5.035%
19	19.834	19.772	19.908	VB	197877	2851871	90.34%	4.760%
20	20.572	20.530	20.612	BV	172986	2473790	78.36%	4.129%
21	21.345	21.290	21.422	VV	116171	2201144	69.72%	3.674%
22	22.321	22.233	22.453	BV	78611	2031713	64.36%	3.391%
			Sum of corrected areas:			59908781		

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

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

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

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

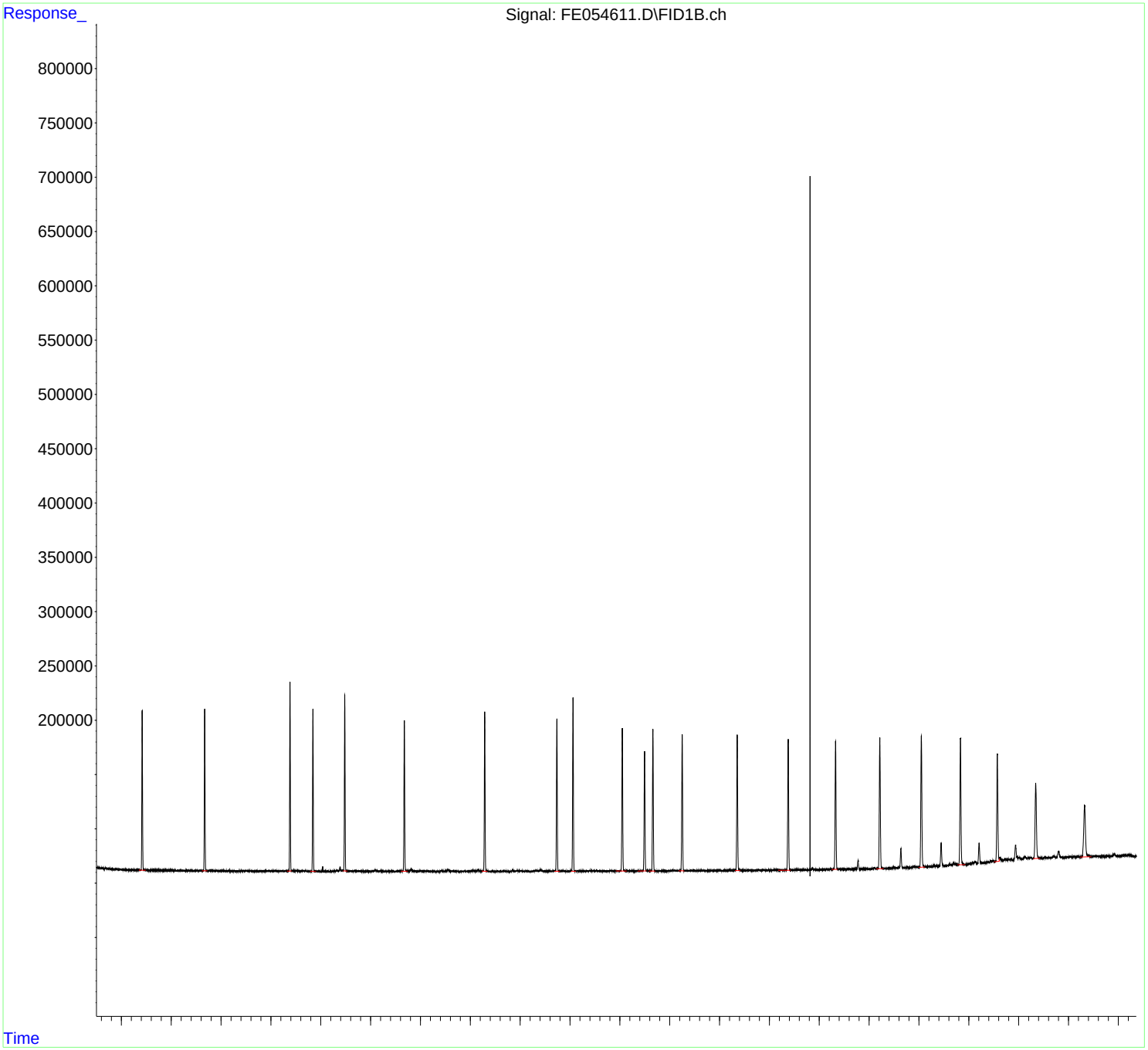
(f)=RT Delta > 1/2 Window (m)=manual int.

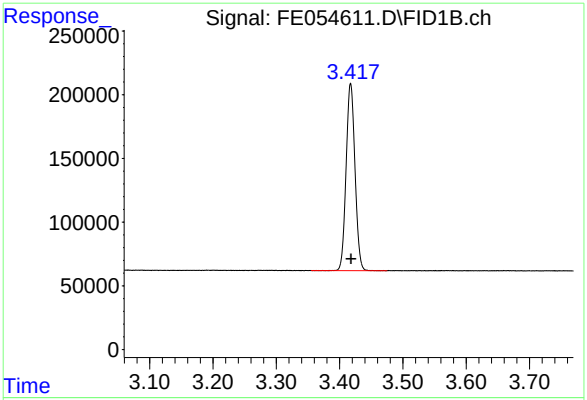
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054611.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 14:23
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

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

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

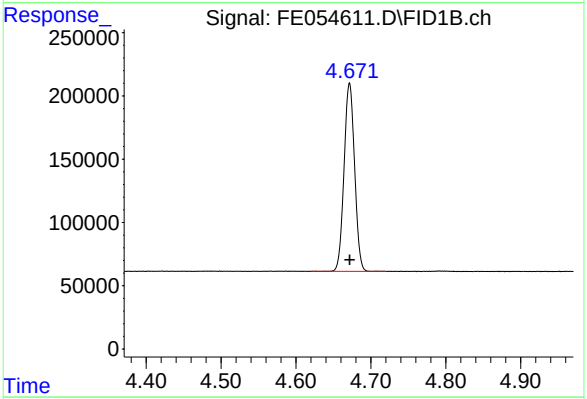




#1 n-Nonane (C9)

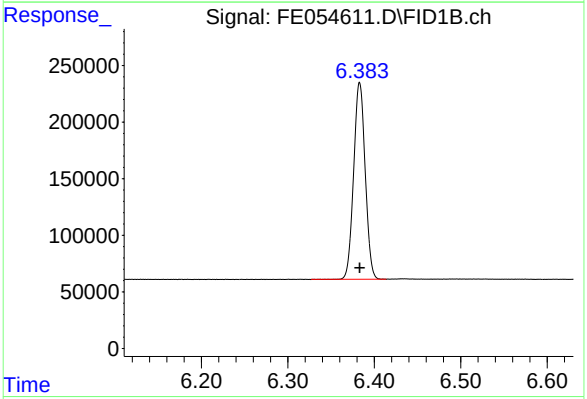
R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 1430994
Conc: 10.92 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



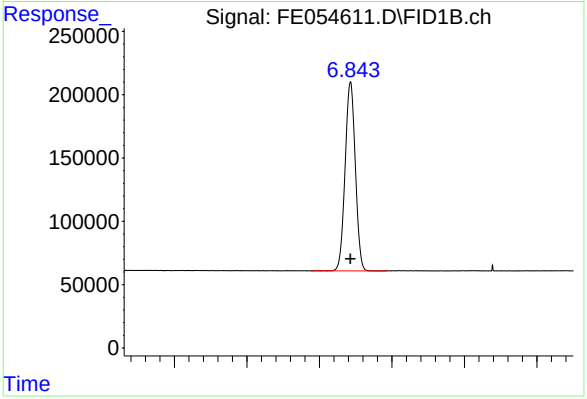
#2 n-Decane (C10)

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



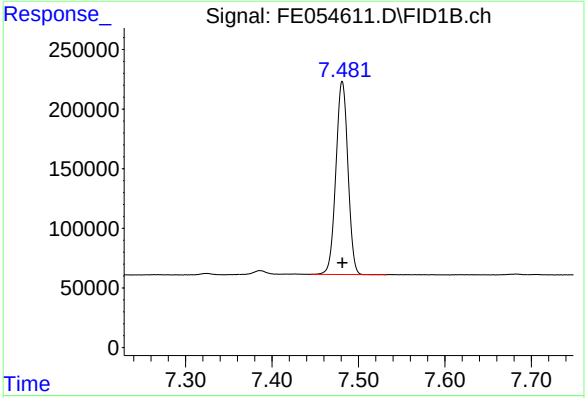
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

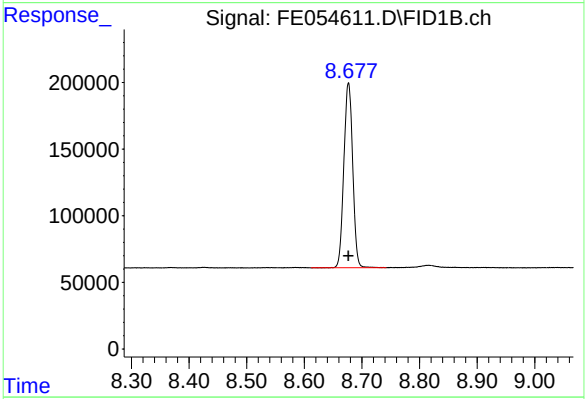
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 1461644
Conc: 10.94 ug/ml



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

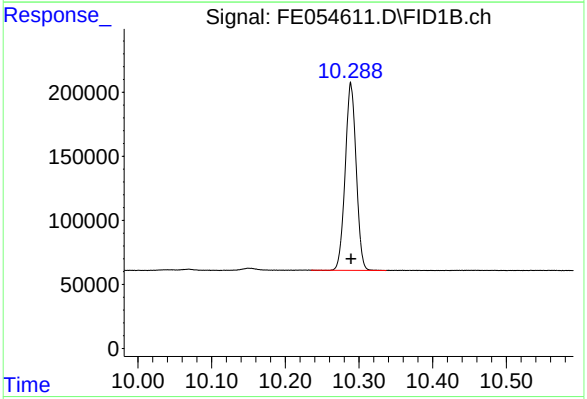
R.T.: 7.481 min
Delta R.T.: 0.000 min
Response: 1563539
Conc: 10.92 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



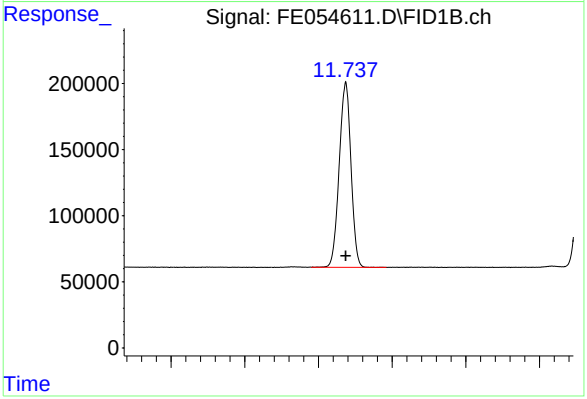
#6 n-Tetradecane (C14)

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



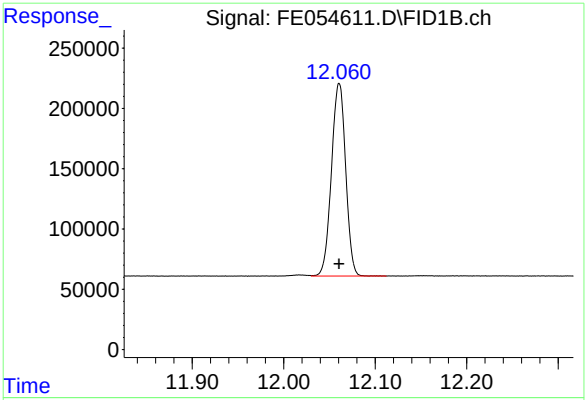
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

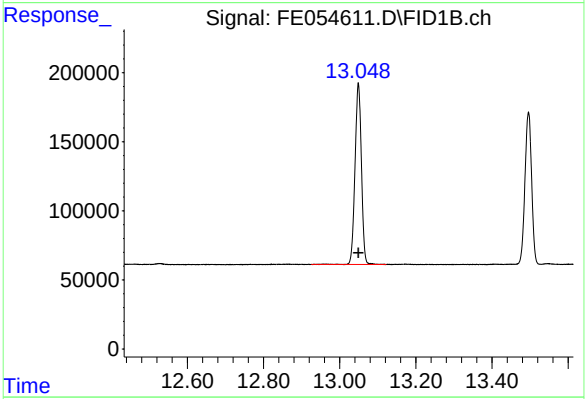
R.T.: 11.737 min
Delta R.T.: 0.000 min
Response: 1554612
Conc: 10.92 ug/ml



#9 ortho-Terphenyl (SURR)

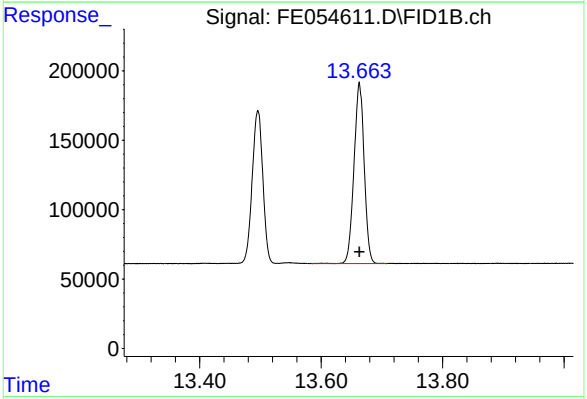
R.T.: 12.061 min
Delta R.T.: 0.000 min
Response: 1724999
Conc: 10.91 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



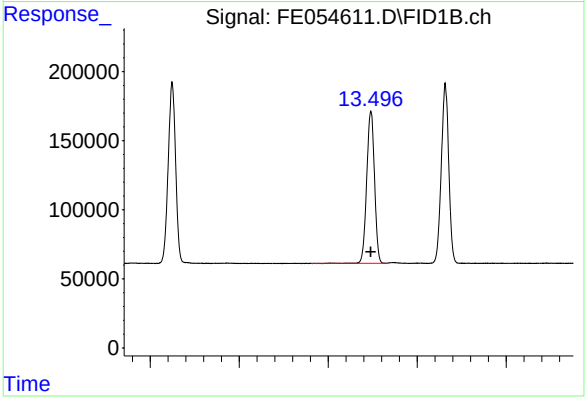
#10 n-Eicosane (C20)

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



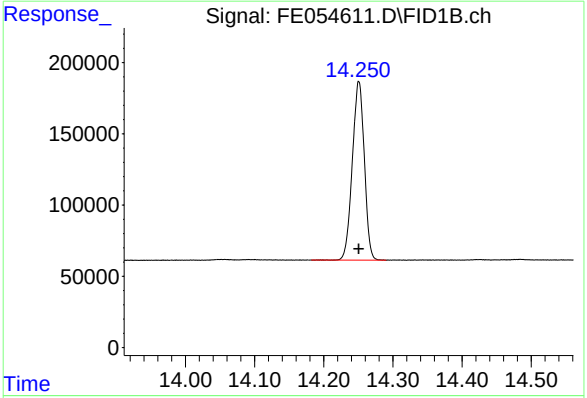
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

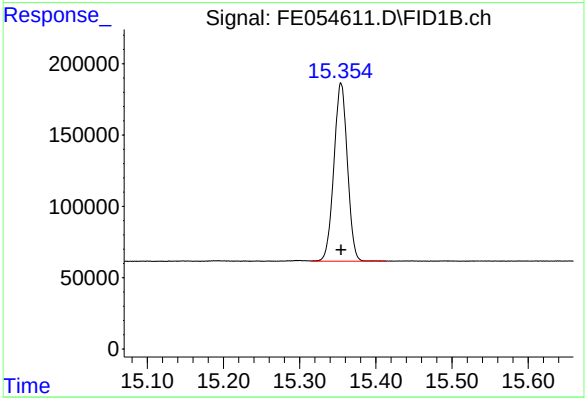
R.T.: 13.496 min
Delta R.T.: 0.000 min
Response: 1337321
Conc: 10.88 ug/ml



#13 n-Docosane (C22)

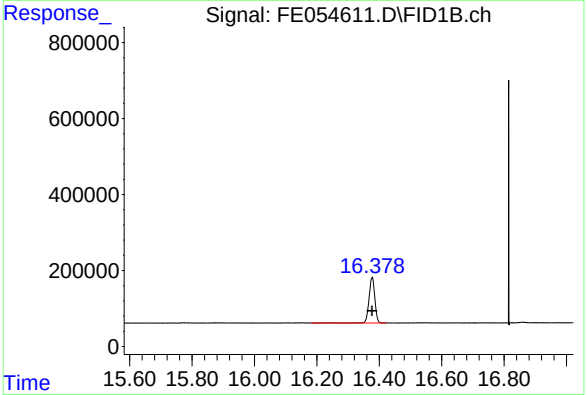
R.T.: 14.251 min
Delta R.T.: 0.000 min
Response: 1512806
Conc: 10.88 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



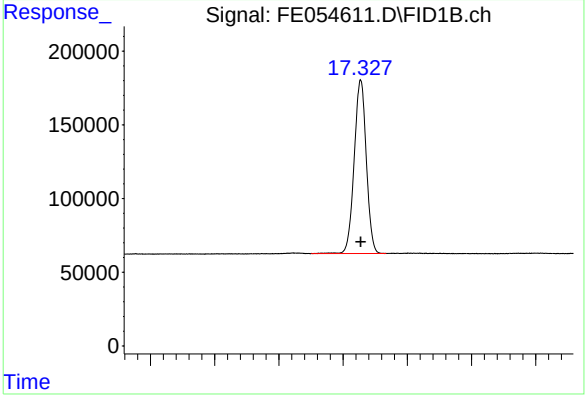
#14 n-Tetracosane (C24)

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



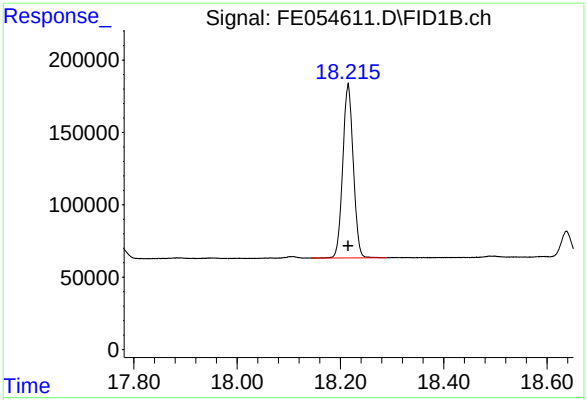
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

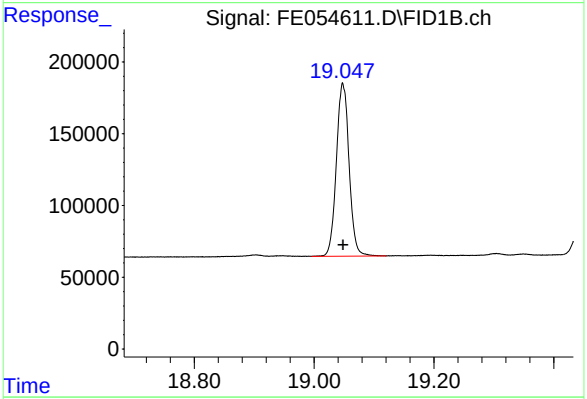
R.T.: 17.327 min
Delta R.T.: 0.000 min
Response: 1542456
Conc: 10.93 ug/ml



#17 n-Tricontane (C30)

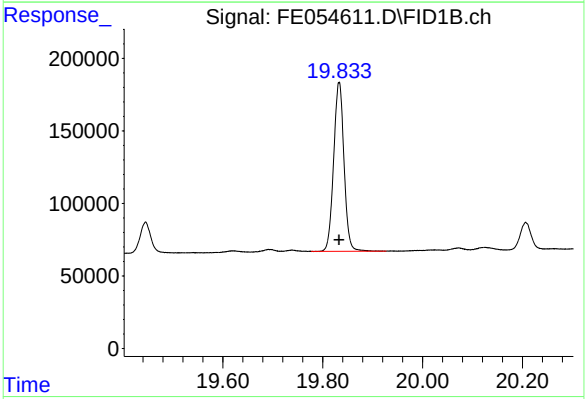
R.T.: 18.215 min
Delta R.T.: 0.000 min
Response: 1692830
Conc: 11.34 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



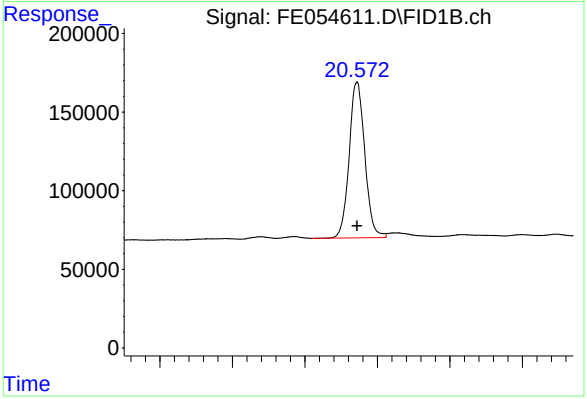
#18 n-Dotriacontane (C32)

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



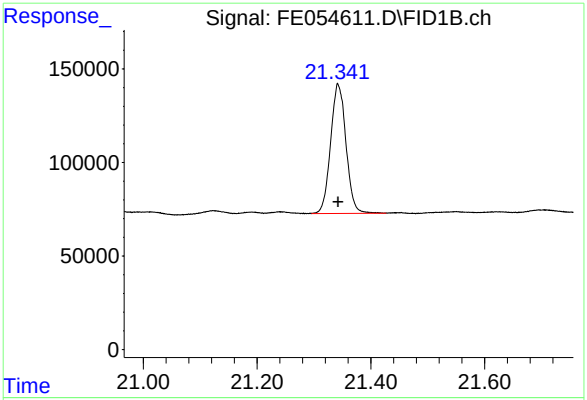
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

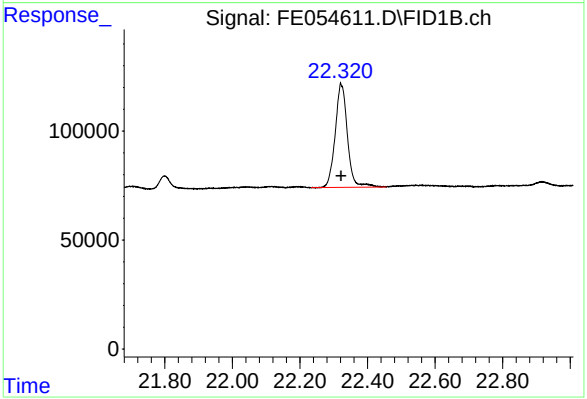
R.T.: 20.572 min
Delta R.T.: 0.000 min
Response: 1485639
Conc: 11.87 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.418	3.355	3.474	BB	147088	1430994	80.64%	4.280%
2	4.672	4.620	4.720	BB	149044	1453045	81.88%	4.346%
3	6.383	6.327	6.414	BV	173644	1612580	90.87%	4.823%
4	6.843	6.789	6.892	BB	150128	1461644	82.36%	4.372%
5	7.481	7.445	7.532	BB	161988	1563539	88.11%	4.676%
6	8.677	8.612	8.742	BB	138745	1478055	83.29%	4.421%
7	10.289	10.235	10.337	BB	146184	1515105	85.38%	4.531%
8	11.737	11.690	11.792	BB	140251	1554612	87.60%	4.650%
9	12.061	12.030	12.112	VB	160148	1724999	97.21%	5.159%
10	13.049	12.925	13.122	BB	131406	1530215	86.23%	4.577%
11	13.496	13.362	13.530	BV	109975	1337321	75.36%	4.000%
12	13.663	13.584	13.707	BB	129154	1519506	85.63%	4.545%
13	14.251	14.182	14.290	BB	125822	1512806	85.25%	4.525%
14	15.354	15.315	15.414	VB	125210	1537308	86.63%	4.598%
15	16.377	16.182	16.422	BB	119959	1534827	86.49%	4.590%
16	17.327	17.250	17.367	BB	118066	1542456	86.92%	4.613%
17	18.215	18.144	18.289	BB	120625	1692830	95.39%	5.063%
18	19.048	18.995	19.120	BB	119636	1774595	100.00%	5.308%
19	19.833	19.777	19.927	BB	116860	1678325	94.58%	5.020%
20	20.572	20.509	20.612	PV	99169	1485639	83.72%	4.443%
21	21.343	21.295	21.427	BV	69221	1300115	73.26%	3.888%
22	22.322	22.234	22.455	BV	47021	1194943	67.34%	3.574%
			Sum of corrected areas:			33435459		

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

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

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.060	897784	5.528 ug/ml
Spiked Amount	50.000		Recovery =	11.06%
12) S	1-chlorooctadecane (S...	13.496	698976	5.535 ug/ml
Spiked Amount	50.000		Recovery =	11.07%
	Target Compounds			
1) T	n-Nonane (C9)	3.418	741733	5.514 ug/ml
2) T	n-Decane (C10)	4.672	755134	5.534 ug/ml
3) T	A~Naphthalene (C11.7)	6.383	837756	5.533 ug/ml
4) T	n-Dodecane (C12)	6.843	758434	5.528 ug/ml
5) T	A~2-methylnaphthalene...	7.481	812009	5.524 ug/ml
6) T	n-Tetradecane (C14)	8.676	778826	5.618 ug/ml
7) T	n-Hexadecane (C16)	10.289	786629	5.520 ug/ml
8) T	n-Octadecane (C18)	11.736	817448	5.578 ug/ml
10) T	n-Eicosane (C20)	13.049	799341	5.559 ug/ml
11) T	n-Heneicosane (C21)	13.662	792166	5.546 ug/ml
13) T	n-Docosane (C22)	14.250	787773	5.517 ug/ml
14) T	n-Tetracosane (C24)	15.354	807739	5.557 ug/ml
15) T	n-Hexacosane (C26)	16.377	795436	5.497 ug/ml
16) T	n-Octacosane (C28)	17.327	822169	5.641 ug/ml
17) T	n-Tricontane (C30)	18.216	953767	6.052 ug/ml
18) T	n-Dotriacontane (C32)	19.049	1039900	6.428 ug/ml
19) T	n-Tetratriacontane (C34)	19.833	987799	6.482 ug/ml
20) T	n-Hexatriacontane (C36)	20.573	858425	6.384 ug/ml
21) T	n-Octatriacontane (C38)	21.346	723114	6.166 ug/ml
22) T	n-Tetracontane (C40)	22.324	659393	6.084 ug/ml

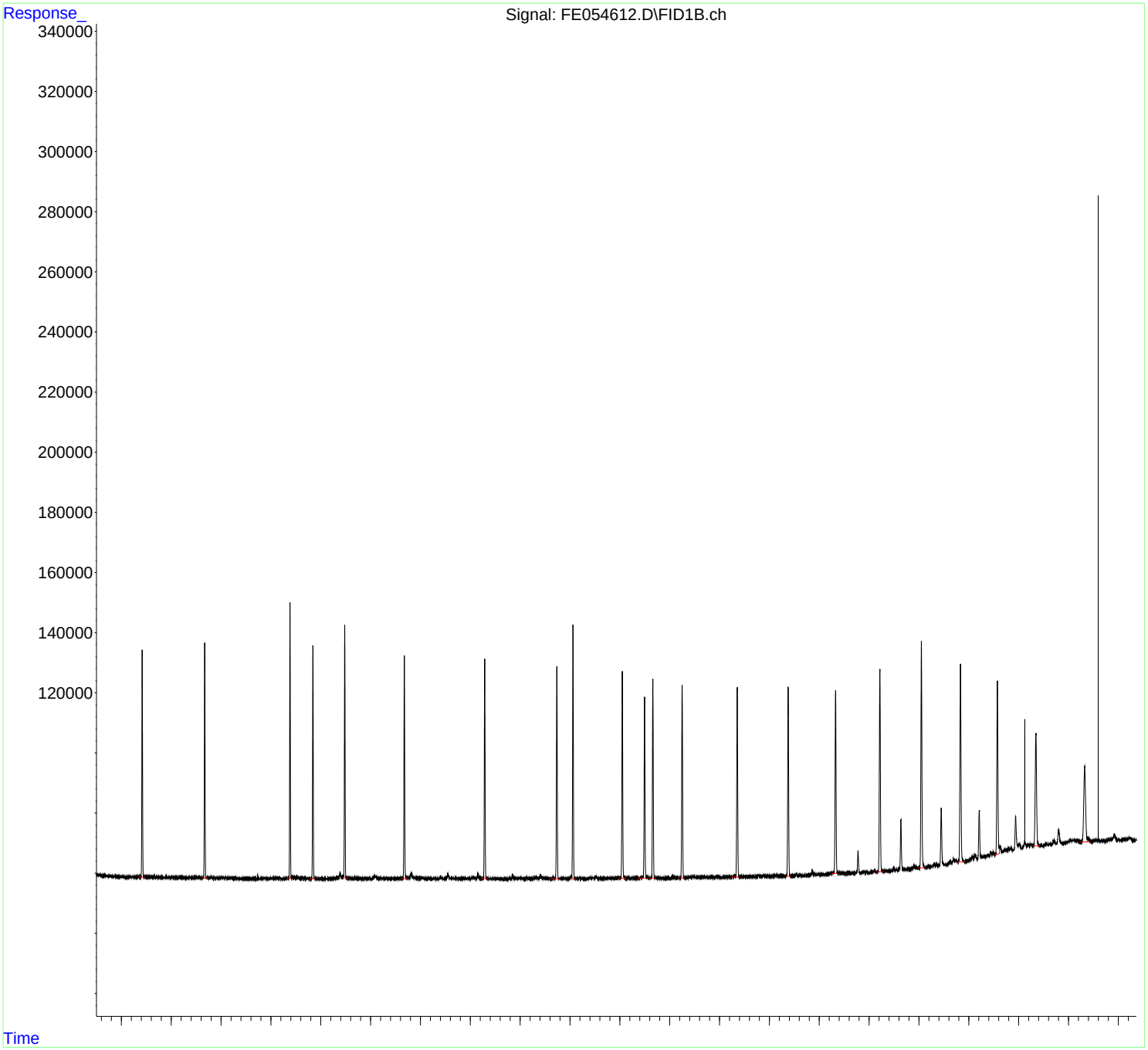
(f)=RT Delta > 1/2 Window (m)=manual int.

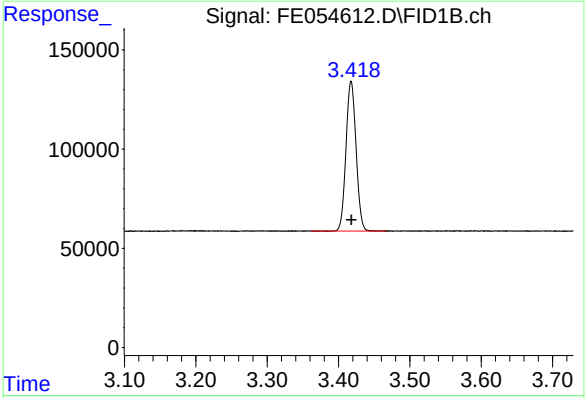
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054612.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 14:54
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

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

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

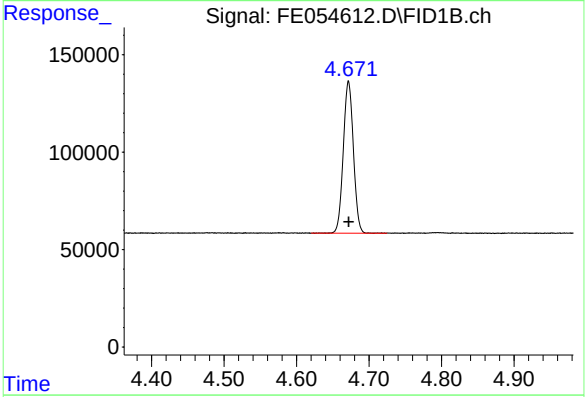




#1 n-Nonane (C9)

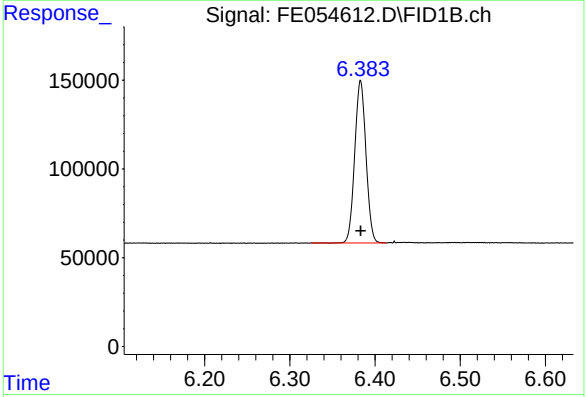
R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 741733
Conc: 5.51 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



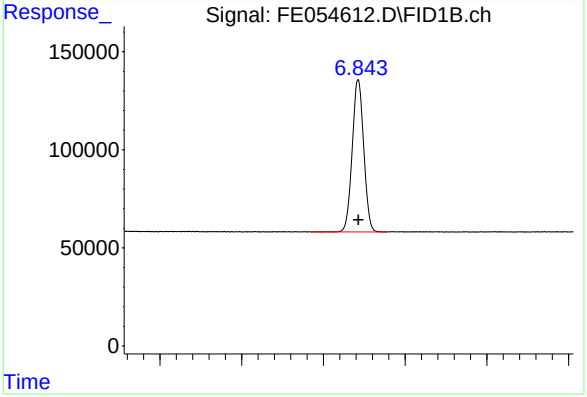
#2 n-Decane (C10)

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



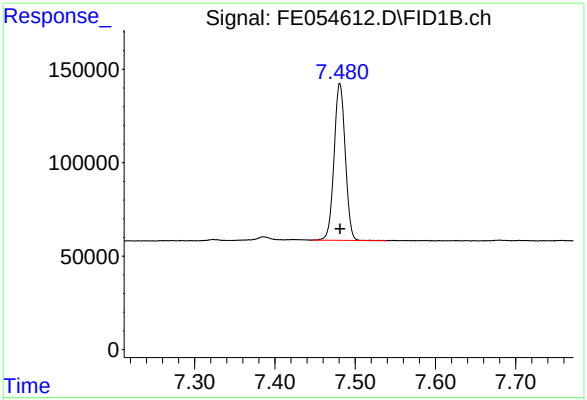
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

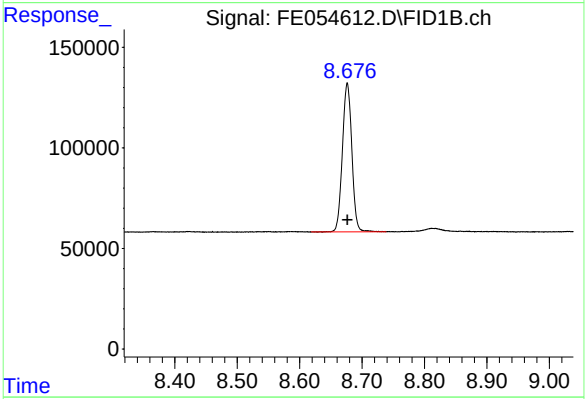
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 758434
Conc: 5.53 ug/ml



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

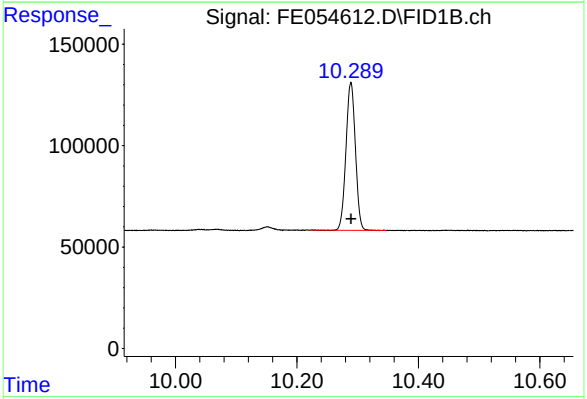
R.T.: 7.481 min
Delta R.T.: 0.000 min
Response: 812009
Conc: 5.52 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



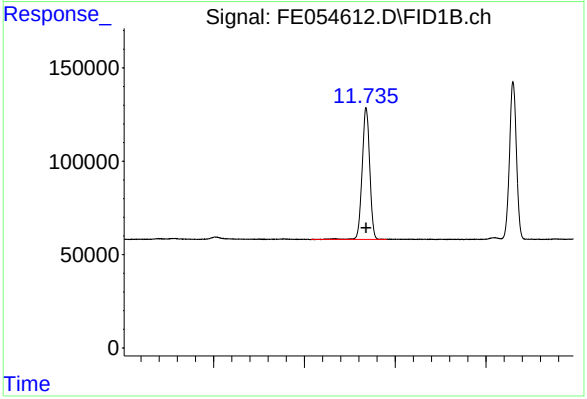
#6 n-Tetradecane (C14)

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



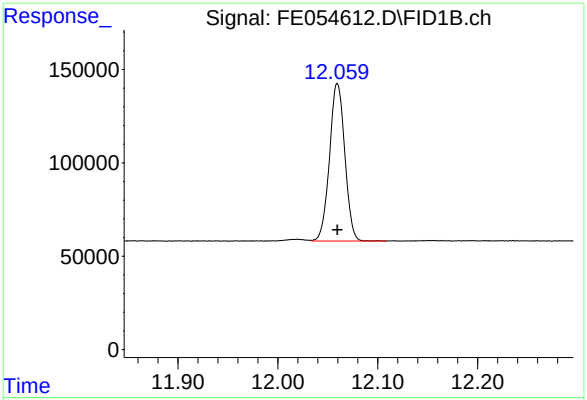
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

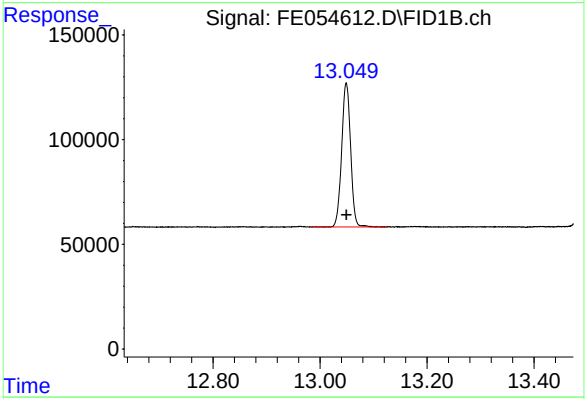
R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 817448
Conc: 5.58 ug/ml



#9 ortho-Terphenyl (SURR)

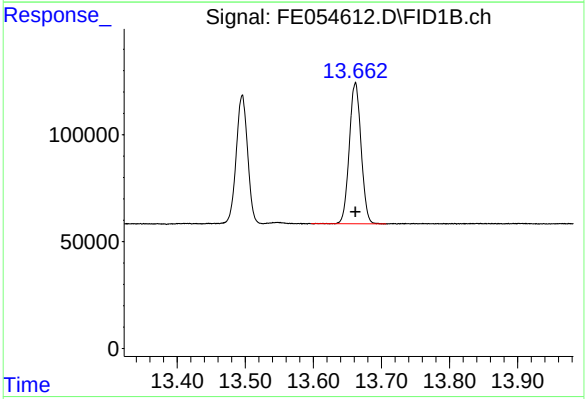
R.T.: 12.060 min
Delta R.T.: 0.000 min
Response: 897784
Conc: 5.53 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



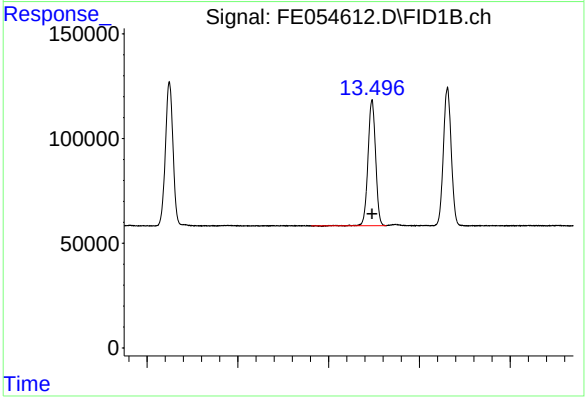
#10 n-Eicosane (C20)

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



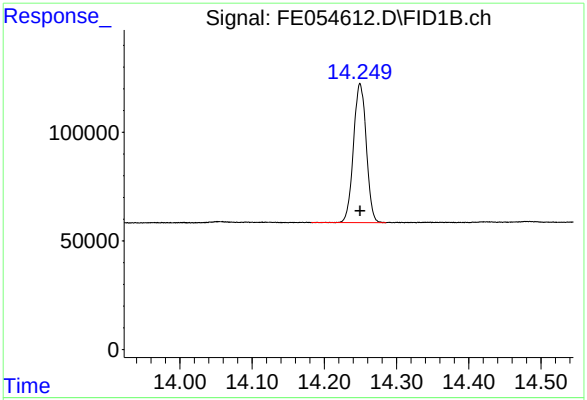
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

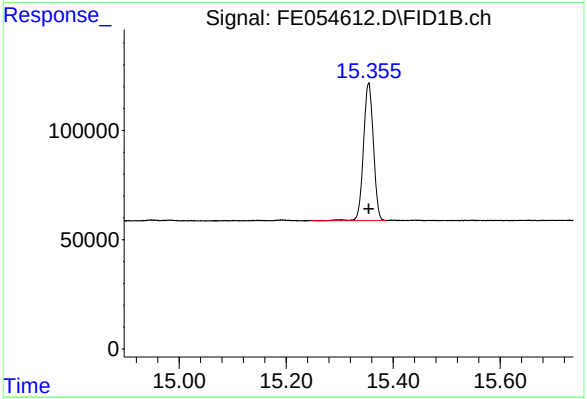
R.T.: 13.496 min
Delta R.T.: 0.000 min
Response: 698976
Conc: 5.53 ug/ml



#13 n-Docosane (C22)

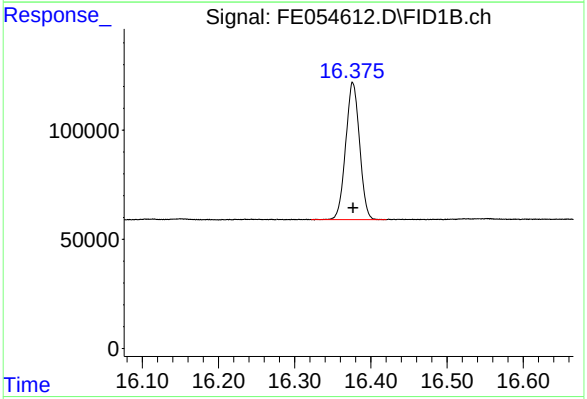
R.T.: 14.250 min
Delta R.T.: 0.000 min
Response: 787773
Conc: 5.52 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



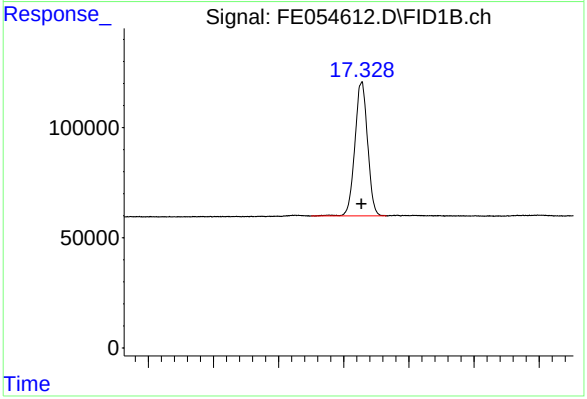
#14 n-Tetracosane (C24)

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



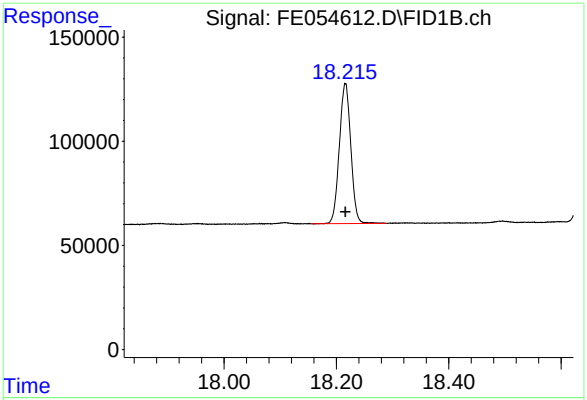
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

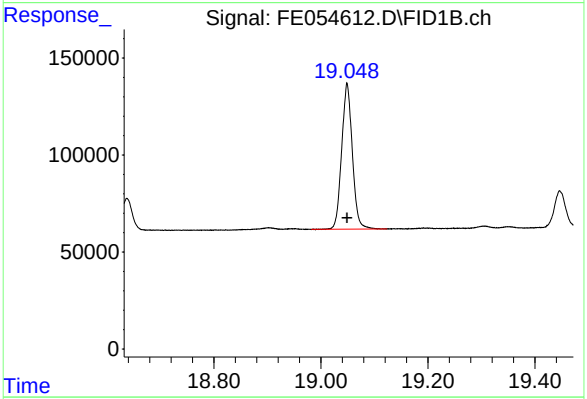
R.T.: 17.327 min
Delta R.T.: 0.000 min
Response: 822169
Conc: 5.64 ug/ml



#17 n-Tricontane (C30)

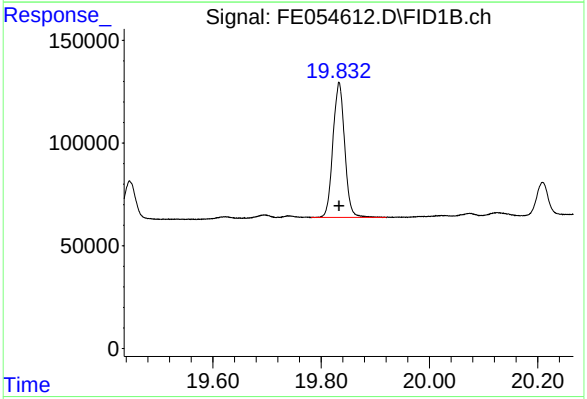
R.T.: 18.216 min
Delta R.T.: 0.000 min
Response: 953767
Conc: 6.05 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



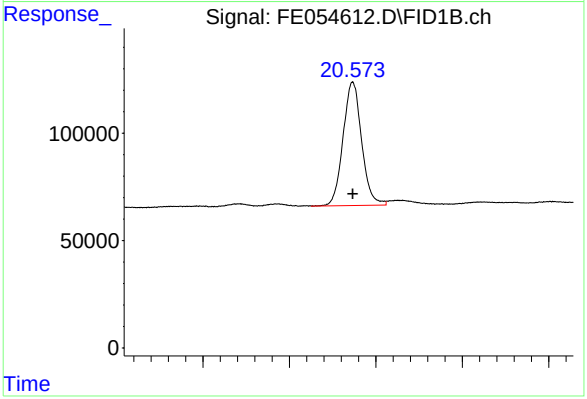
#18 n-Dotriacontane (C32)

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



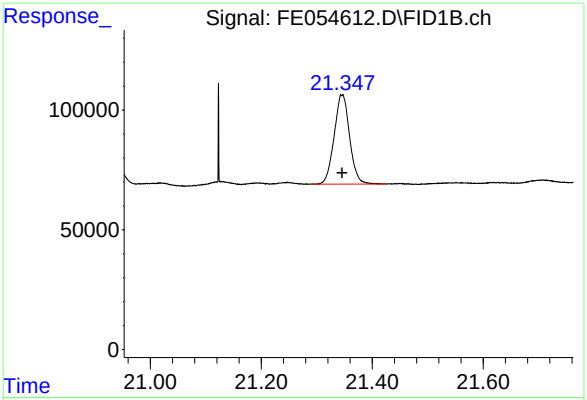
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

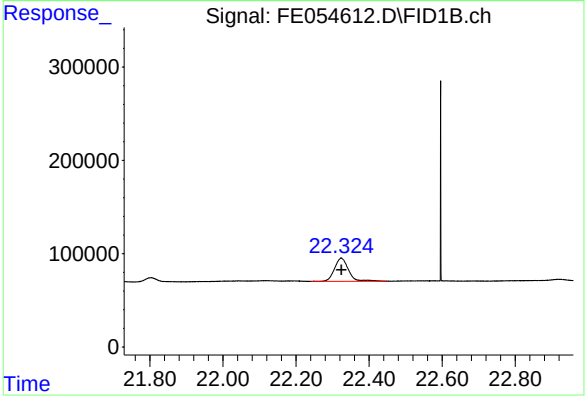
R.T.: 20.573 min
Delta R.T.: 0.000 min
Response: 858425
Conc: 6.38 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.418	3.362	3.467	BB	75659	741733	71.33%	4.141%
2	4.672	4.620	4.724	BB	78080	755134	72.62%	4.216%
3	6.383	6.325	6.413	BV	91458	837756	80.56%	4.677%
4	6.843	6.785	6.877	BB	77709	758434	72.93%	4.234%
5	7.481	7.445	7.539	BB	84102	812009	78.09%	4.533%
6	8.676	8.619	8.739	BB	74055	778826	74.89%	4.348%
7	10.289	10.224	10.347	BB	72696	786629	75.64%	4.392%
8	11.736	11.615	11.780	BB	70291	817448	78.61%	4.564%
9	12.060	12.034	12.109	VB	84124	897784	86.33%	5.012%
10	13.049	12.984	13.124	BB	68773	799341	76.87%	4.463%
11	13.496	13.362	13.527	BV	60057	698976	67.22%	3.902%
12	13.662	13.597	13.707	BB	66059	792166	76.18%	4.423%
13	14.250	14.182	14.286	BB	63846	787773	75.75%	4.398%
14	15.354	15.247	15.387	BB	62760	807739	77.67%	4.510%
15	16.377	16.322	16.420	BB	62461	795436	76.49%	4.441%
16	17.327	17.250	17.365	BV	60423	822169	79.06%	4.590%
17	18.216	18.155	18.289	BB	67529	953767	91.72%	5.325%
18	19.049	18.982	19.122	BB	75345	1039900	100.00%	5.806%
19	19.833	19.782	19.920	BB	65849	987799	94.99%	5.515%
20	20.573	20.525	20.612	BV	57615	858425	82.55%	4.793%
21	21.346	21.290	21.425	BB	36950	723114	69.54%	4.037%
22	22.324	22.242	22.447	BB	25113	659393	63.41%	3.681%
			Sum of corrected areas:			17911749		

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

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

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.062	3028688	18.650 ug/ml
Spiked Amount	50.000		Recovery =	37.30%
12) S	1-chlorooctadecane (S...	13.498	2342450	18.548 ug/ml
Spiked Amount	50.000		Recovery =	37.10%
	Target Compounds			
1) T	n-Nonane (C9)	3.418	2502645	18.606 ug/ml
2) T	n-Decane (C10)	4.672	2544484	18.648 ug/ml
3) T	A~Naphthalene (C11.7)	6.384	2820974	18.631 ug/ml
4) T	n-Dodecane (C12)	6.844	2560893	18.664 ug/ml
5) T	A~2-methylnaphthalene...	7.482	2750056	18.707 ug/ml
6) T	n-Tetradecane (C14)	8.677	2581289	18.620 ug/ml
7) T	n-Hexadecane (C16)	10.290	2662158	18.680 ug/ml
8) T	n-Octadecane (C18)	11.738	2731350	18.637 ug/ml
10) T	n-Eicosane (C20)	13.051	2682264	18.654 ug/ml
11) T	n-Heneicosane (C21)	13.664	2655754	18.593 ug/ml
13) T	n-Docosane (C22)	14.252	2663243	18.652 ug/ml
14) T	n-Tetracosane (C24)	15.355	2701405	18.584 ug/ml
15) T	n-Hexacosane (C26)	16.379	2682582	18.537 ug/ml
16) T	n-Octacosane (C28)	17.329	2682634	18.407 ug/ml
17) T	n-Tricontane (C30)	18.218	2884214	18.303 ug/ml
18) T	n-Dotriacontane (C32)	19.051	2934528	18.138 ug/ml
19) T	n-Tetratriacontane (C34)	19.835	2788021	18.295 ug/ml
20) T	n-Hexatriacontane (C36)	20.575	2448198	18.208 ug/ml
21) T	n-Octatriacontane (C38)	21.348	2149052	18.324 ug/ml
22) T	n-Tetracontane (C40)	22.329	1970334	18.179 ug/ml

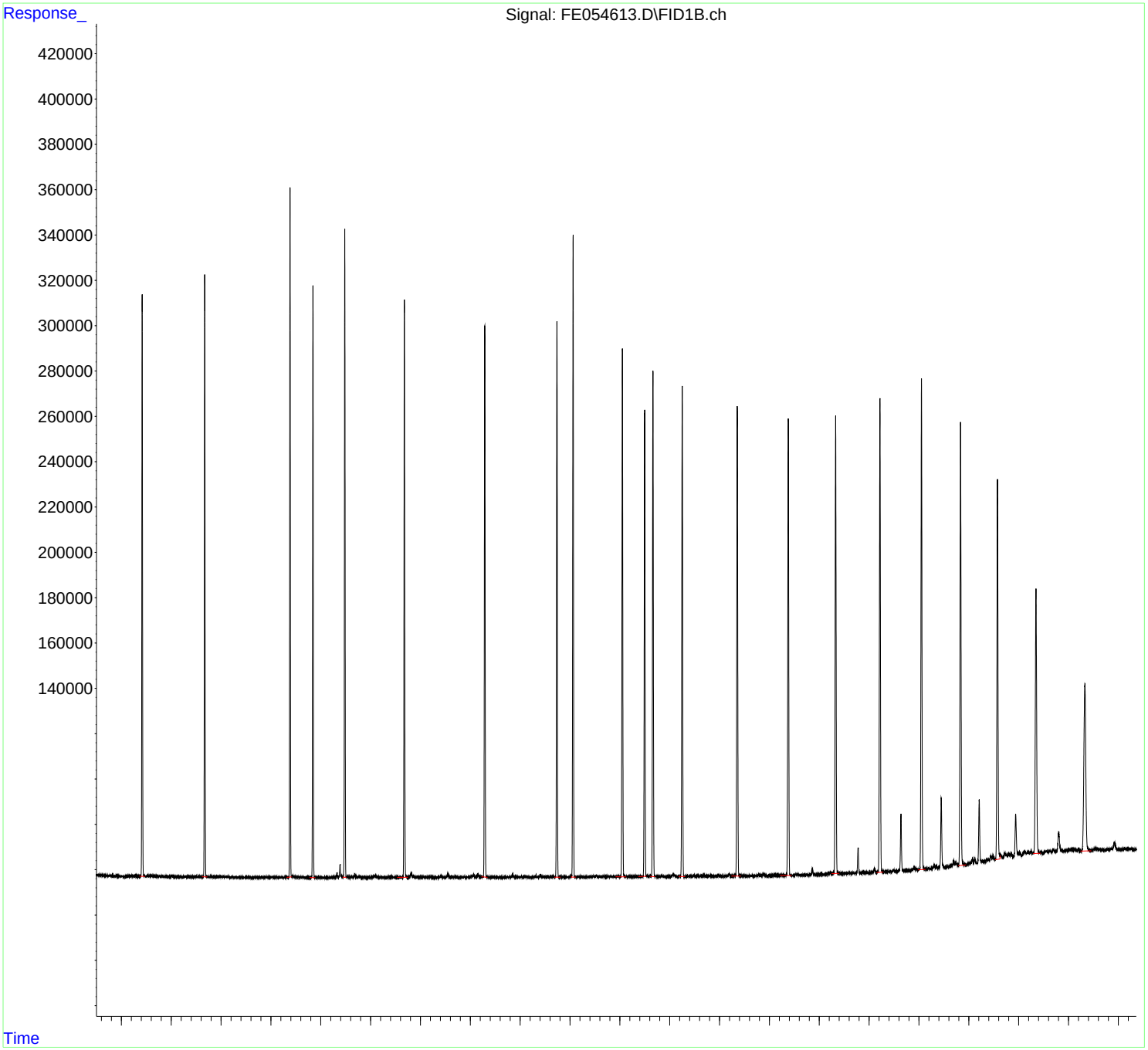
(f)=RT Delta > 1/2 Window (m)=manual int.

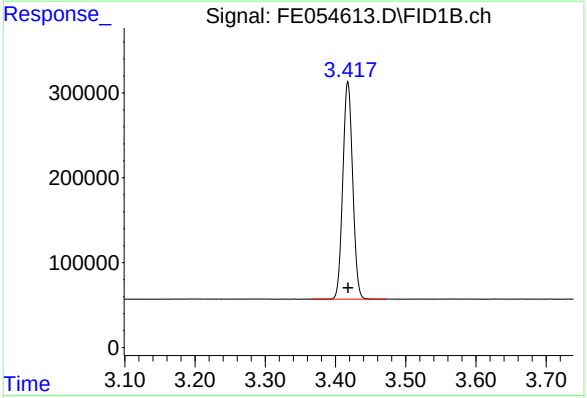
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054613.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 15:24
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

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

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

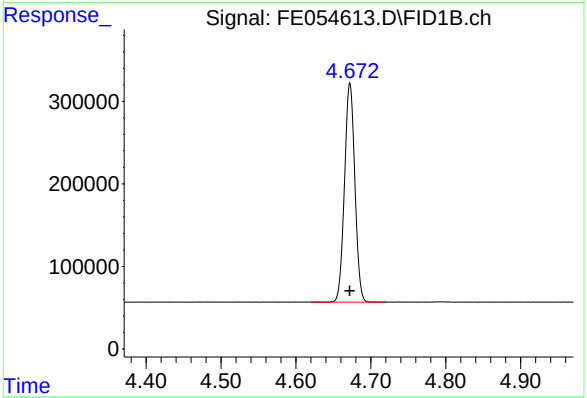




#1 n-Nonane (C9)

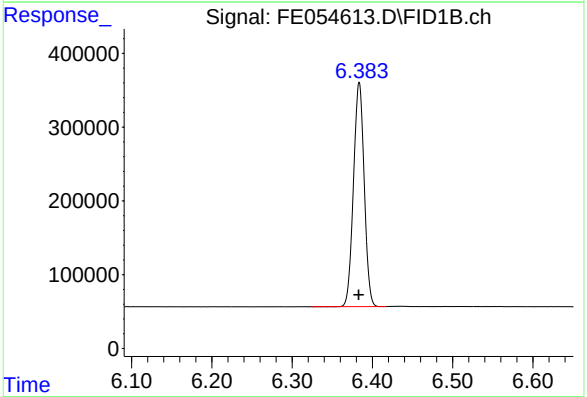
R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 2502645
Conc: 18.61 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



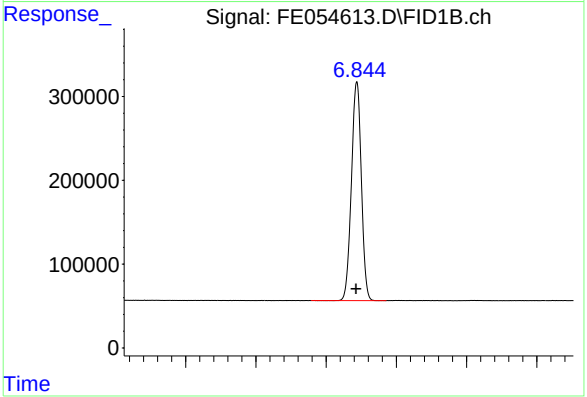
#2 n-Decane (C10)

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



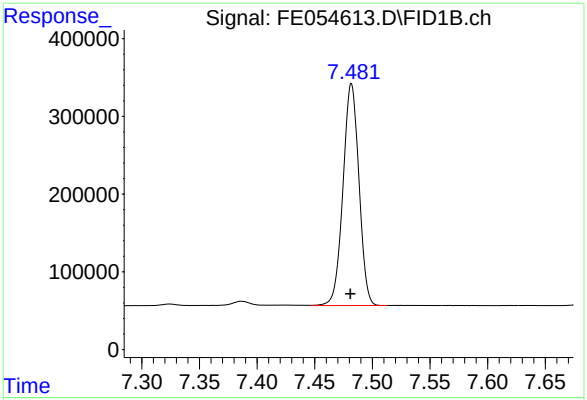
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

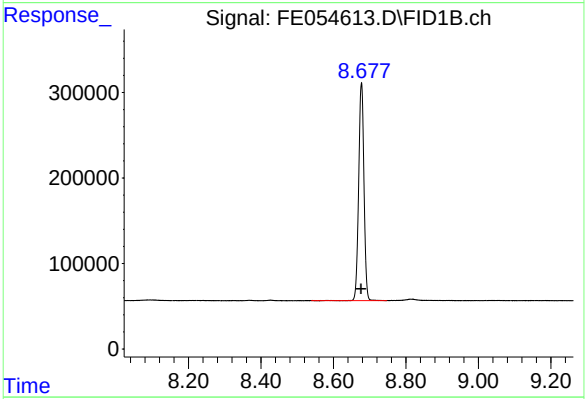
R.T.: 6.844 min
Delta R.T.: 0.001 min
Response: 2560893
Conc: 18.66 ug/ml



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

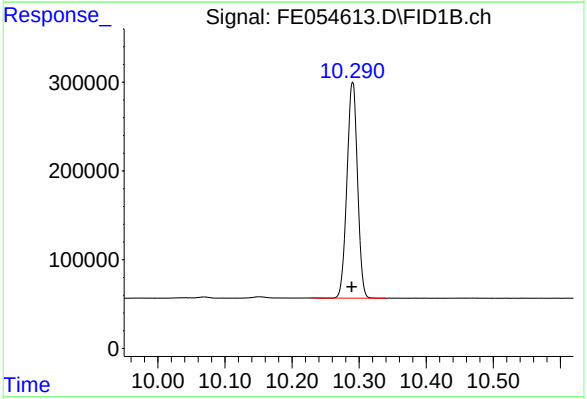
R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 2750056
Conc: 18.71 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



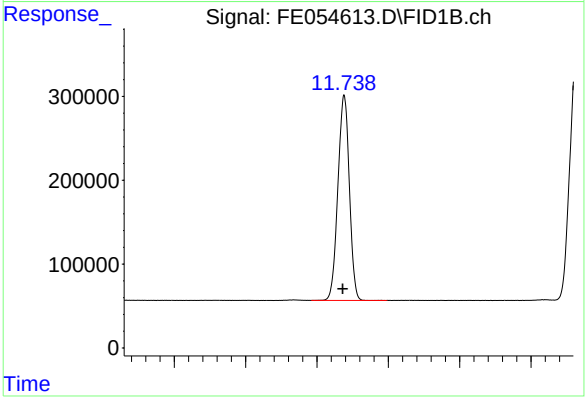
#6 n-Tetradecane (C14)

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



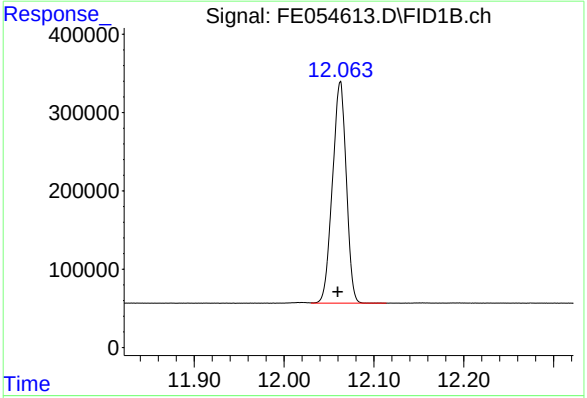
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

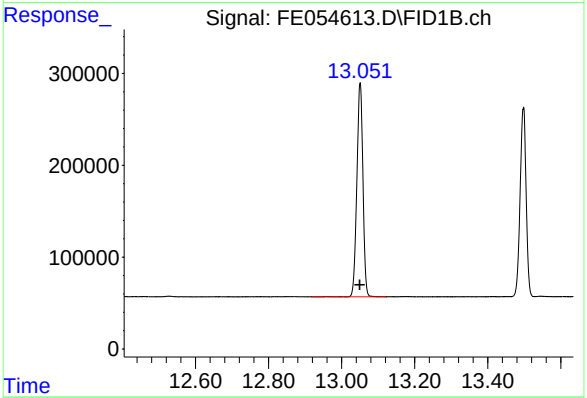
R.T.: 11.738 min
Delta R.T.: 0.002 min
Response: 2731350
Conc: 18.64 ug/ml



#9 ortho-Terphenyl (SURR)

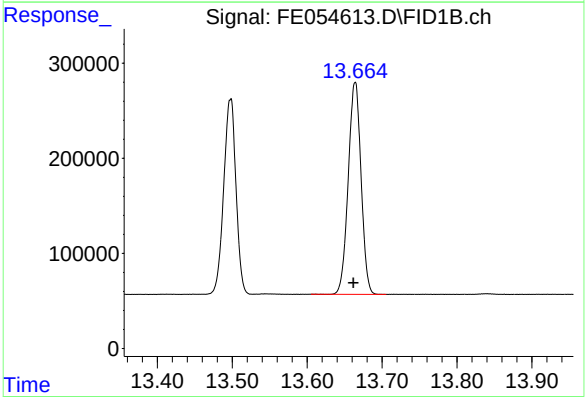
R.T.: 12.062 min
Delta R.T.: 0.003 min
Response: 3028688
Conc: 18.65 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



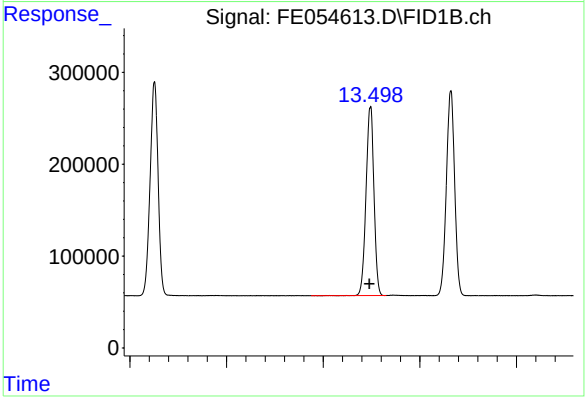
#10 n-Eicosane (C20)

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



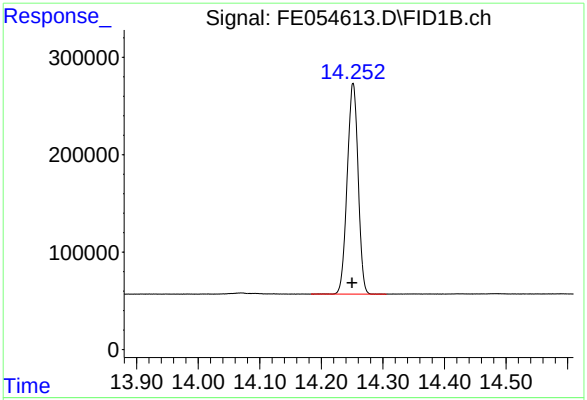
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

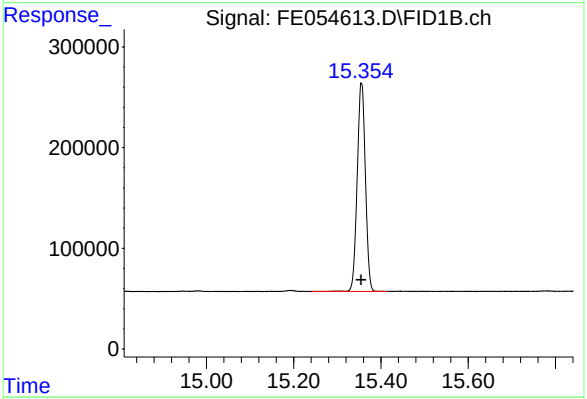
R.T.: 13.498 min
Delta R.T.: 0.002 min
Response: 2342450
Conc: 18.55 ug/ml



#13 n-Docosane (C22)

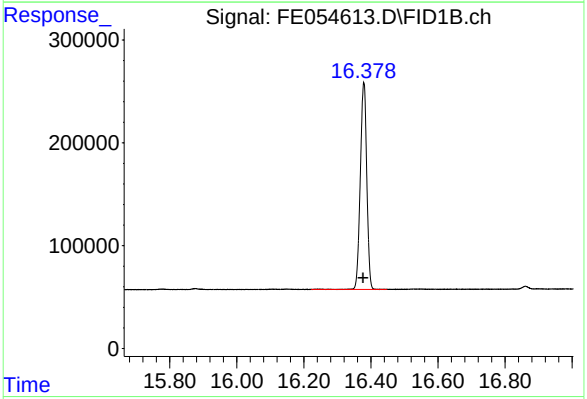
R.T.: 14.252 min
Delta R.T.: 0.002 min
Response: 2663243
Conc: 18.65 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



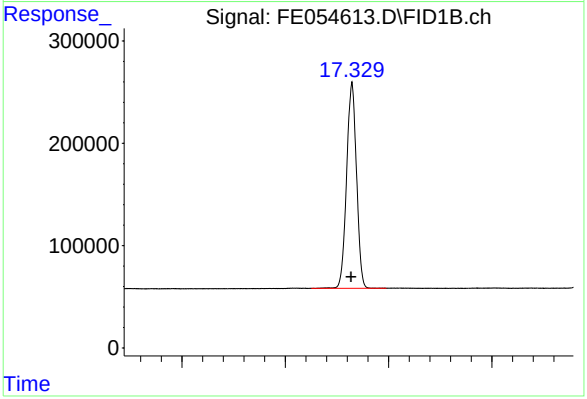
#14 n-Tetracosane (C24)

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



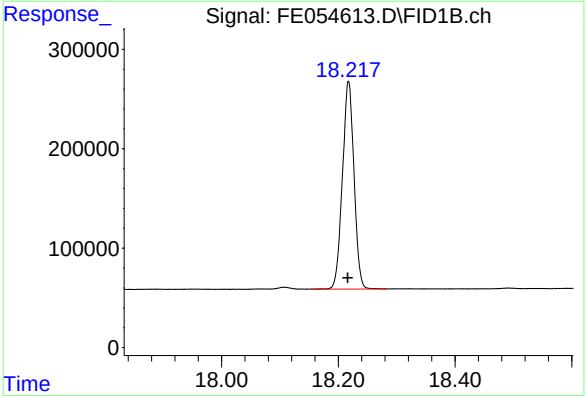
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

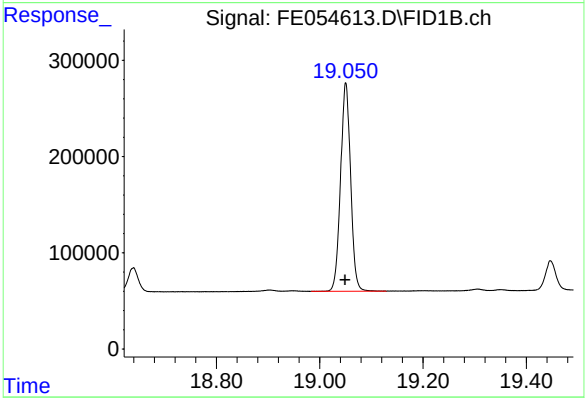
R.T.: 17.329 min
Delta R.T.: 0.002 min
Response: 2682634
Conc: 18.41 ug/ml



#17 n-Tricontane (C30)

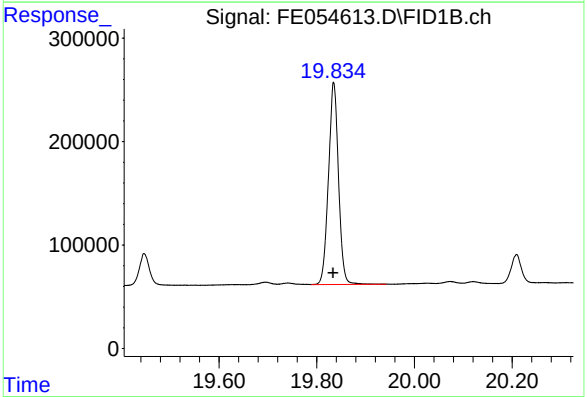
R.T.: 18.218 min
Delta R.T.: 0.002 min
Response: 2884214
Conc: 18.30 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



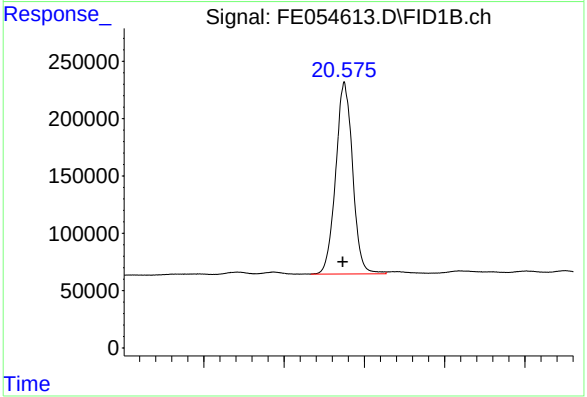
#18 n-Dotriacontane (C32)

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



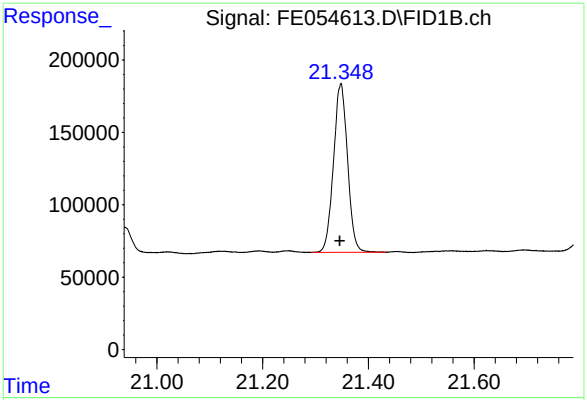
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

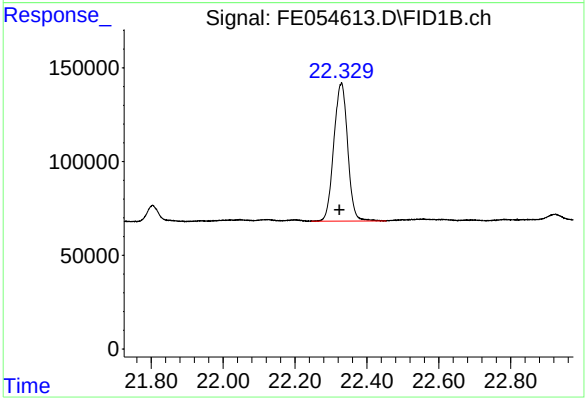
R.T.: 20.575 min
Delta R.T.: 0.002 min
Response: 2448198
Conc: 18.21 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

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

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.418	3.365	3.472	BB	256328	2502645	82.63%	4.332%
2	4.672	4.620	4.720	BB	265371	2544484	84.01%	4.405%
3	6.384	6.324	6.417	BV	304777	2820974	93.14%	4.883%
4	6.844	6.779	6.885	BB	261391	2560893	84.55%	4.433%
5	7.482	7.447	7.512	VB	285575	2750056	90.80%	4.761%
6	8.677	8.539	8.745	BB	254086	2581289	85.23%	4.468%
7	10.290	10.229	10.340	BB	243419	2662158	87.90%	4.608%
8	11.738	11.692	11.797	VB	244915	2731350	90.18%	4.728%
9	12.062	12.030	12.114	VB	282454	3028688	100.00%	5.243%
10	13.051	12.917	13.122	BB	233017	2682264	88.56%	4.643%
11	13.498	13.375	13.530	BV	205276	2342450	77.34%	4.055%
12	13.664	13.605	13.705	BB	223180	2655754	87.69%	4.597%
13	14.252	14.184	14.305	BB	216501	2663243	87.93%	4.610%
14	15.356	15.240	15.412	BB	206574	2701405	89.19%	4.676%
15	16.379	16.222	16.445	BB	201653	2682582	88.57%	4.644%
16	17.329	17.250	17.395	BB	201121	2682634	88.57%	4.644%
17	18.218	18.154	18.282	BB	209402	2884214	95.23%	4.993%
18	19.051	18.984	19.129	BB	216846	2934528	96.89%	5.080%
19	19.835	19.789	19.942	VB	194869	2788021	92.05%	4.826%
20	20.575	20.534	20.627	BV	167522	2448198	80.83%	4.238%
21	21.348	21.292	21.434	BV	116202	2149052	70.96%	3.720%
22	22.329	22.245	22.454	BV	73515	1970334	65.06%	3.411%
			Sum of corrected areas:			57767217		

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

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

Inital Calibration Report for SequenceID : FG061325AL

AreaCount

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

AVG Response Factor

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

Concentration

Parameter Range	FG016071.D	FG016072.D	FG016073.D	FG016074.D	FG016075.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

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

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

Inital Calibration Report for SequenceID : FG061325AL

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1

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

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.102	12319256	98.060 ug/ml
Spiked Amount	50.000		Recovery =	196.12%
12) S	1-chlorooctadecane (S...	13.541	9625924	98.129 ug/ml
Spiked Amount	50.000		Recovery =	196.26%
	Target Compounds			
1) T	n-Nonane (C9)	3.424	10265834	97.267 ug/ml
2) T	n-Decane (C10)	4.684	10421015	97.345 ug/ml
3) T	A~Naphthalene (C11.7)	6.401	11351238	97.258 ug/ml
4) T	n-Dodecane (C12)	6.863	10500262	97.805 ug/ml
5) T	A~2-methylnaphthalene...	7.504	11069941	97.522 ug/ml
6) T	n-Tetradecane (C14)	8.702	10460547	97.915 ug/ml
7) T	n-Hexadecane (C16)	10.321	10887397	98.243 ug/ml
8) T	n-Octadecane (C18)	11.776	11131441	98.379 ug/ml
10) T	n-Eicosane (C20)	13.093	10887120	98.345 ug/ml
11) T	n-Heneicosane (C21)	13.709	10809123	98.180 ug/ml
13) T	n-Docosane (C22)	14.299	10847807	98.085 ug/ml
14) T	n-Tetracosane (C24)	15.408	10956206	97.496 ug/ml
15) T	n-Hexacosane (C26)	16.436	10874105	96.775 ug/ml
16) T	n-Octacosane (C28)	17.391	10660437	96.159 ug/ml
17) T	n-Tricontane (C30)	18.282	10619759	94.655 ug/ml
18) T	n-Dotriacontane (C32)	19.119	10002723	93.329 ug/ml
19) T	n-Tetratriacontane (C34)	19.905	9047304	92.873 ug/ml
20) T	n-Hexatriacontane (C36)	20.646	7775206	92.817 ug/ml
21) T	n-Octatriacontane (C38)	21.437	6940056	93.207 ug/ml
22) T	n-Tetracontane (C40)	22.443	6437601	94.181 ug/ml

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

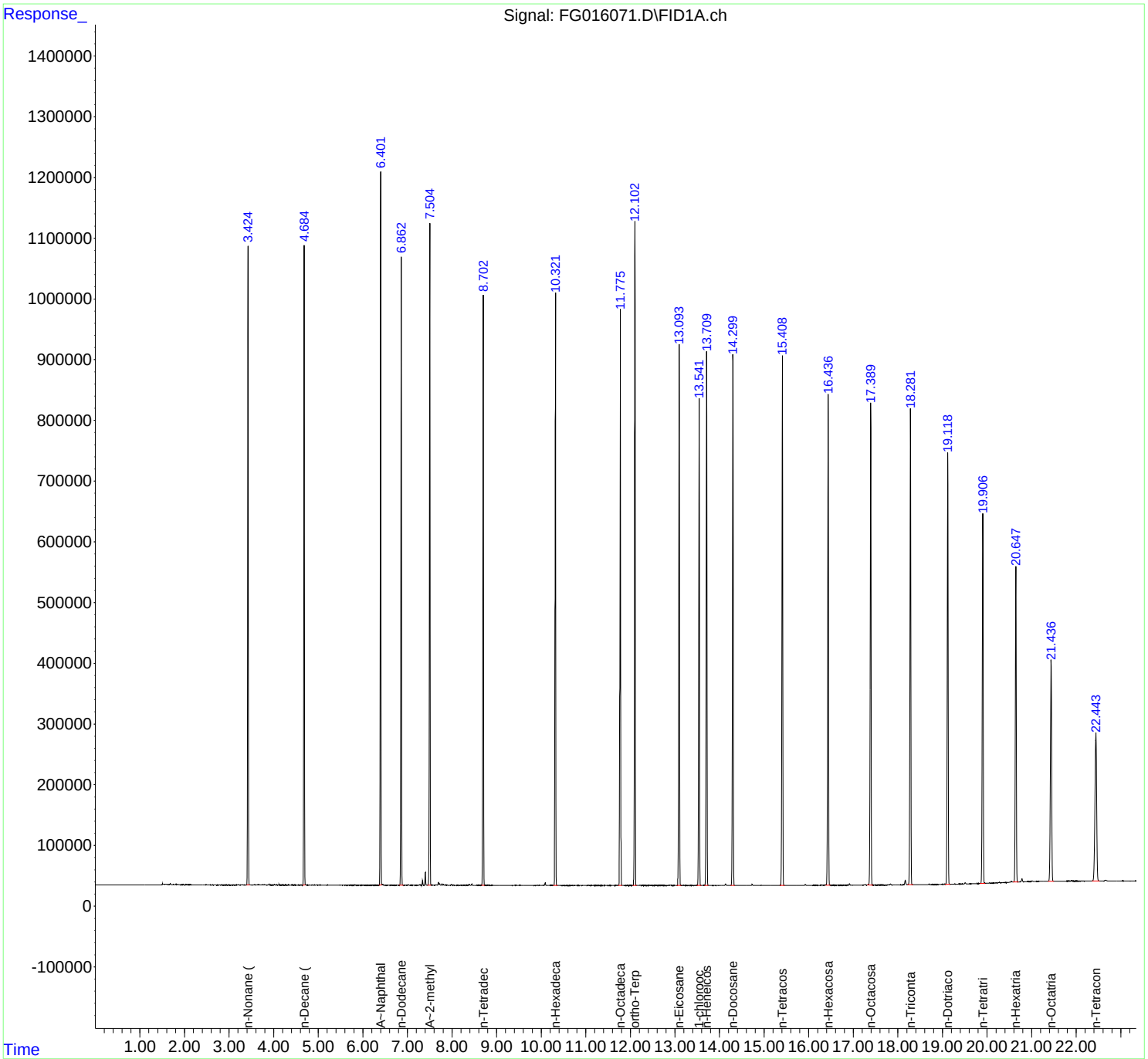
Quantitation Report (QT Reviewed)

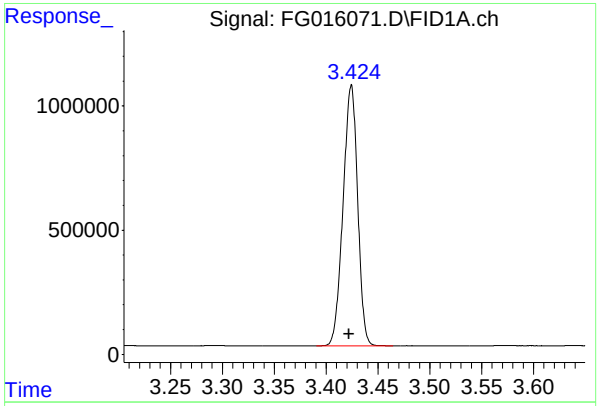
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016071.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 14:05
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1

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

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

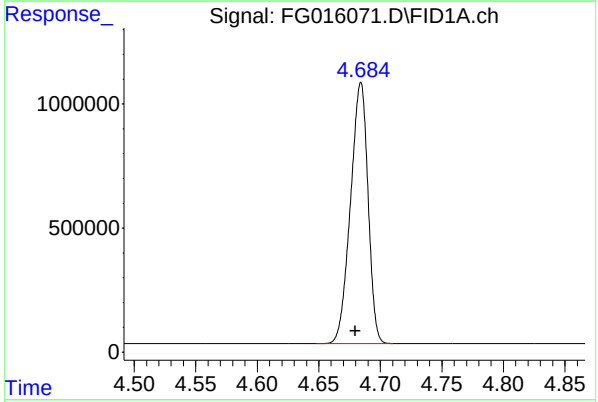




#1 n-Nonane (C9)

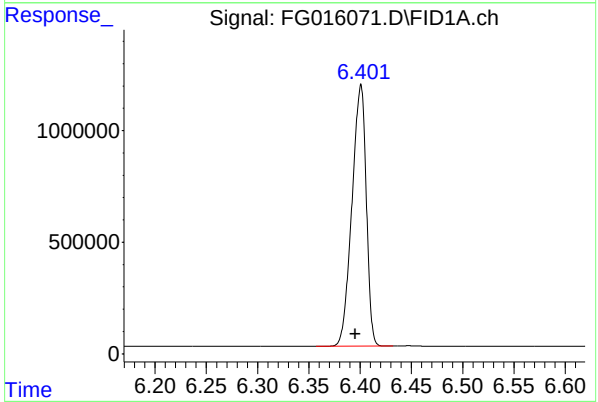
R.T.: 3.424 min
Delta R.T.: 0.002 min
Response: 10265834
Conc: 97.27 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



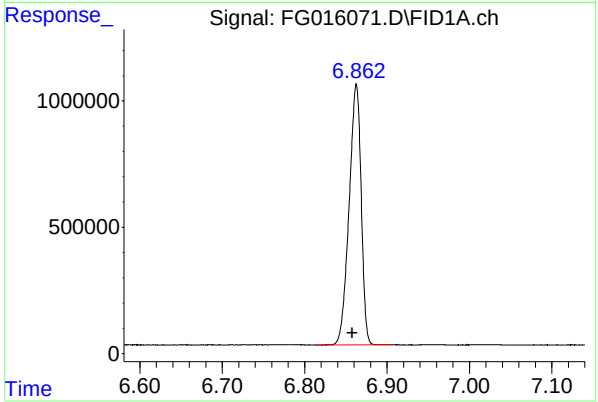
#2 n-Decane (C10)

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



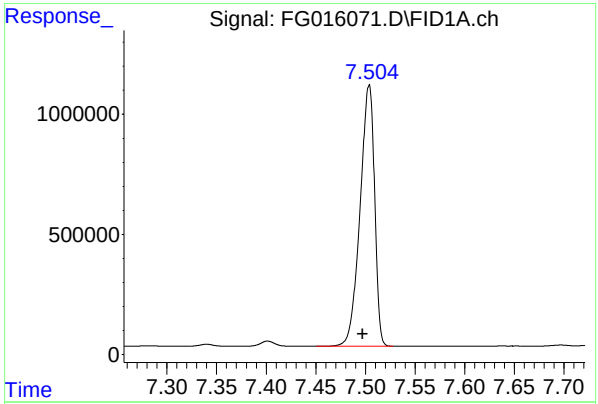
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

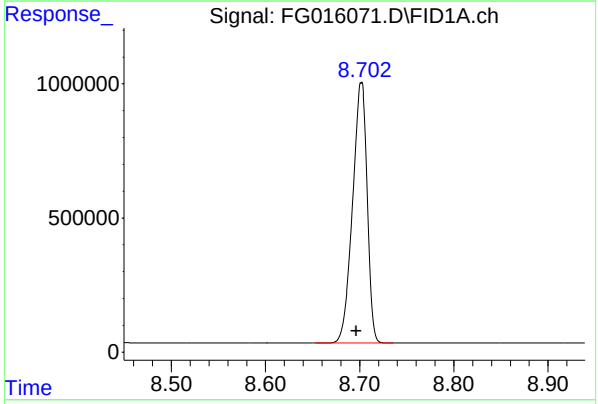
R.T.: 6.863 min
Delta R.T.: 0.005 min
Response: 10500262
Conc: 97.80 ug/ml



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

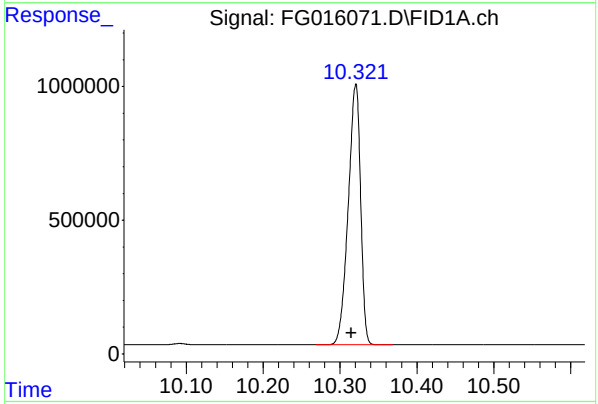
R.T.: 7.504 min
Delta R.T.: 0.006 min
Response: 11069941
Conc: 97.52 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



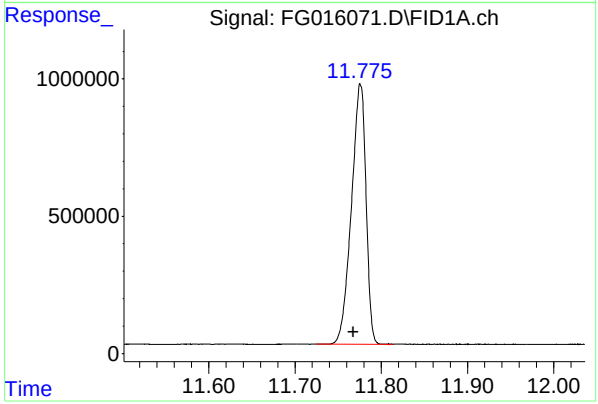
#6 n-Tetradecane (C14)

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



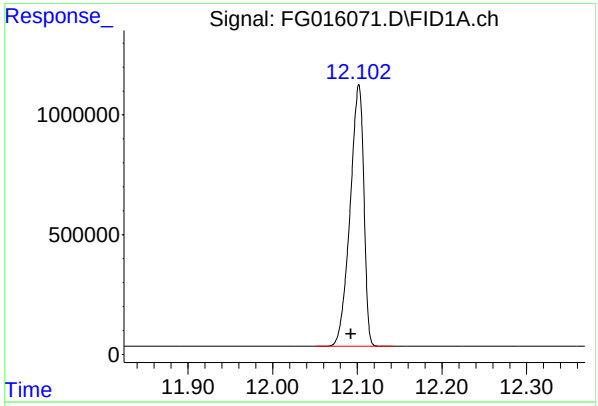
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

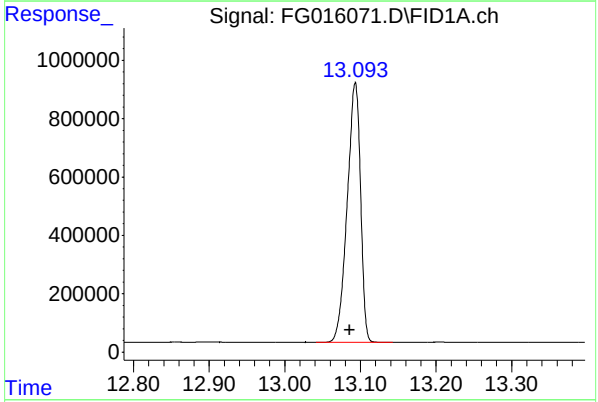
R.T.: 11.776 min
Delta R.T.: 0.009 min
Response: 11131441
Conc: 98.38 ug/ml



#9 ortho-Terphenyl (SURR)

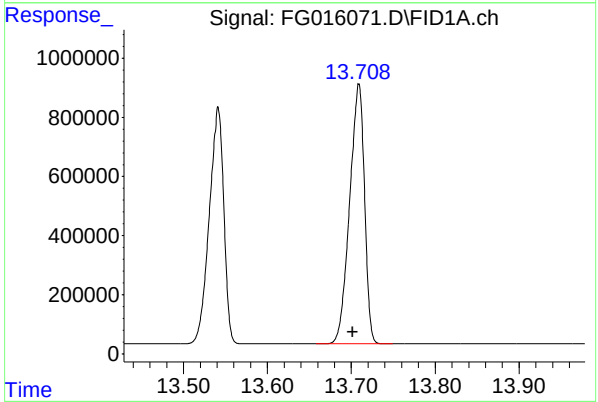
R.T.: 12.102 min
Delta R.T.: 0.009 min
Response: 12319256
Conc: 98.06 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



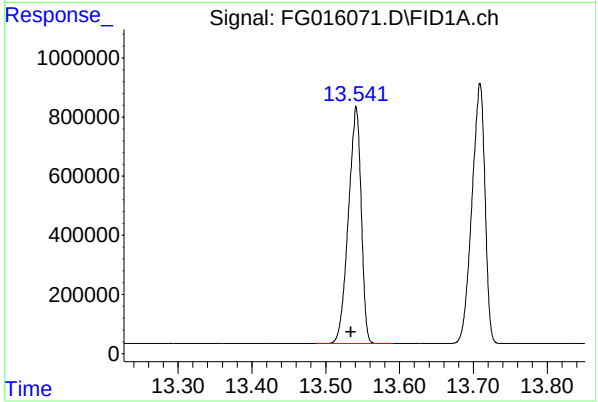
#10 n-Eicosane (C20)

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



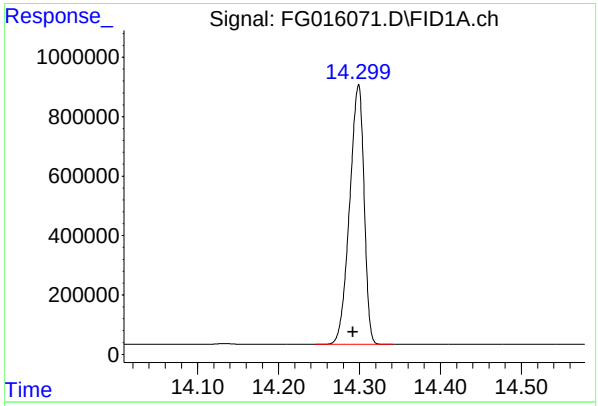
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

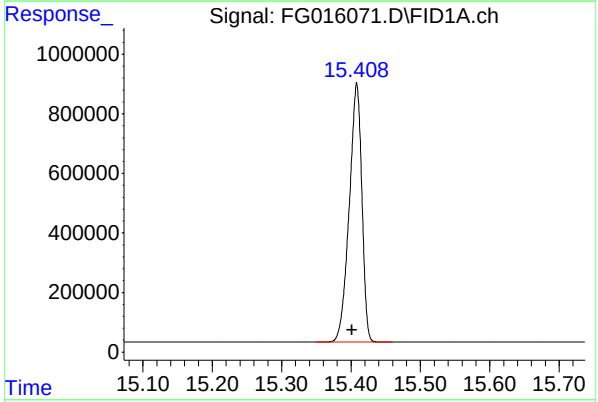
R.T.: 13.541 min
Delta R.T.: 0.007 min
Response: 9625924
Conc: 98.13 ug/ml



#13 n-Docosane (C22)

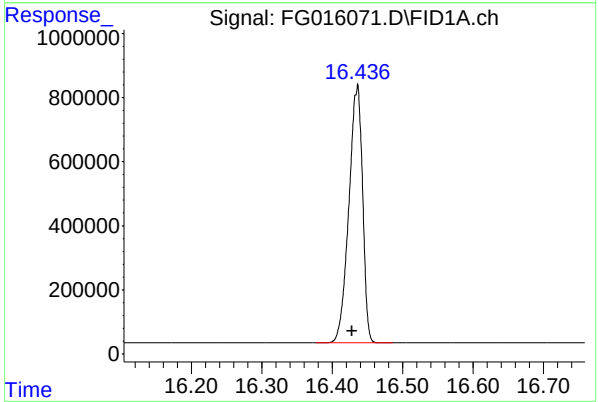
R.T.: 14.299 min
Delta R.T.: 0.007 min
Response: 10847807
Conc: 98.09 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



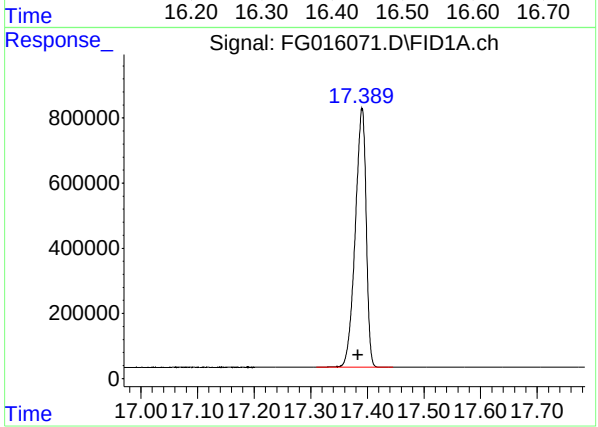
#14 n-Tetracosane (C24)

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



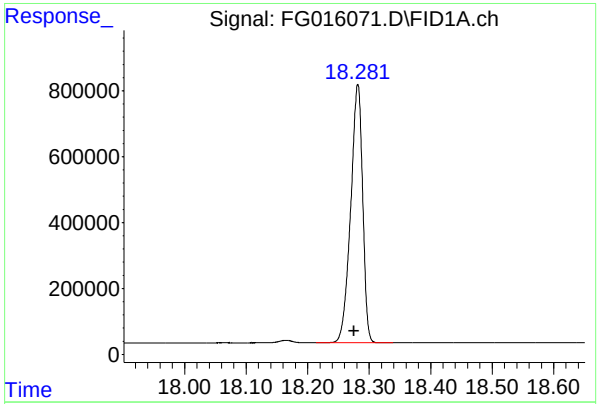
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

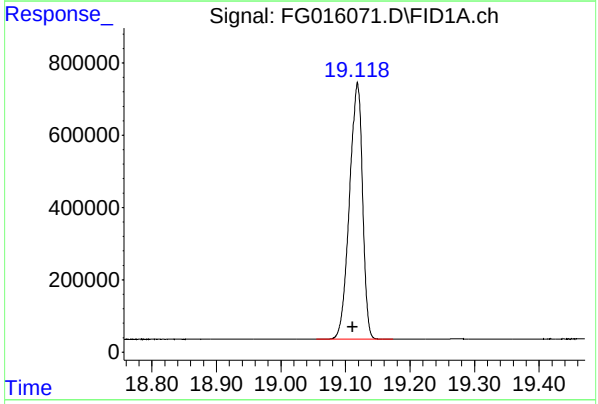
R.T.: 17.391 min
Delta R.T.: 0.007 min
Response: 10660437
Conc: 96.16 ug/ml



#17 n-Tricontane (C30)

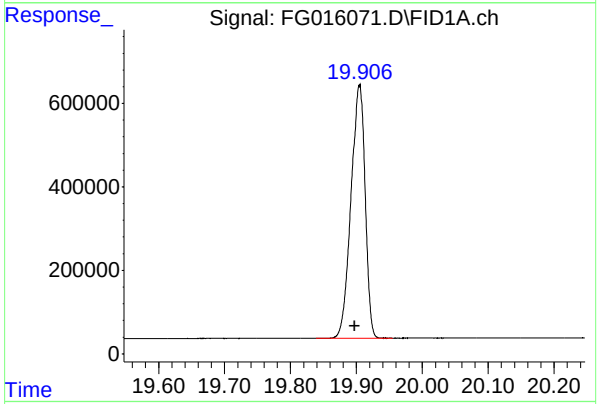
R.T.: 18.282 min
Delta R.T.: 0.007 min
Response: 10619759
Conc: 94.65 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



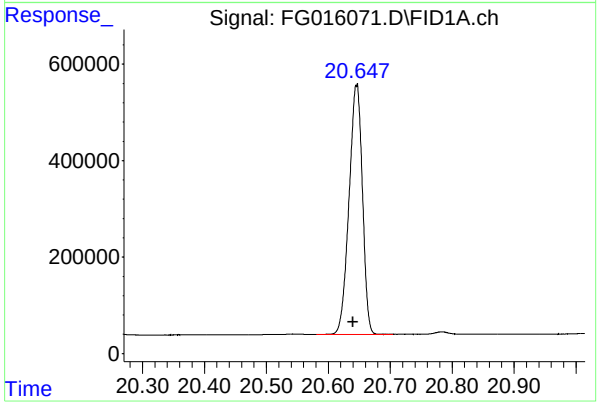
#18 n-Dotriacontane (C32)

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



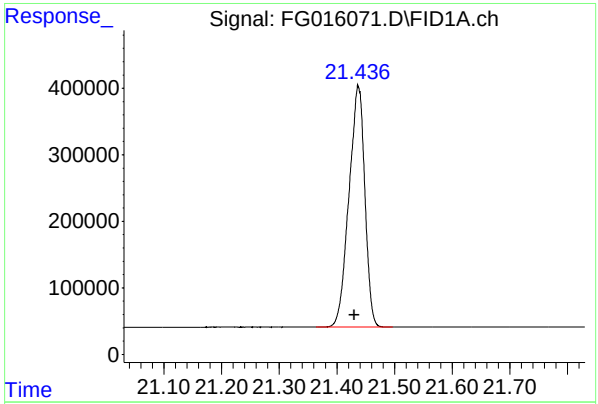
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

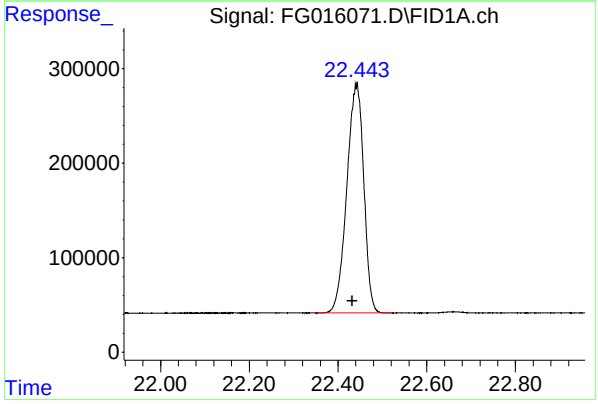
R.T.: 20.646 min
Delta R.T.: 0.006 min
Response: 7775206
Conc: 92.82 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.424	3.390	3.465	BB	1052357	10265834	83.33%	4.585%
2	4.684	4.648	4.710	BB	1053856	10421015	84.59%	4.655%
3	6.401	6.357	6.432	BV	1169744	11351238	92.14%	5.070%
4	6.863	6.814	6.907	BB	1033033	10500262	85.23%	4.690%
5	7.504	7.450	7.528	BB	1085196	11069941	89.86%	4.944%
6	8.702	8.654	8.735	BB	969591	10460547	84.91%	4.672%
7	10.321	10.269	10.369	BB	974328	10887397	88.38%	4.863%
8	11.776	11.725	11.814	BB	943511	11131441	90.36%	4.972%
9	12.102	12.051	12.142	BB	1093779	12319256	100.00%	5.502%
10	13.093	13.041	13.143	BB	888505	10887120	88.37%	4.863%
11	13.541	13.487	13.591	BB	800655	9625924	78.14%	4.299%
12	13.709	13.658	13.750	BB	879914	10809123	87.74%	4.828%
13	14.299	14.246	14.341	BB	873265	10847807	88.06%	4.845%
14	15.408	15.350	15.460	BB	869218	10956206	88.94%	4.894%
15	16.436	16.377	16.486	BB	807724	10874105	88.27%	4.857%
16	17.391	17.310	17.445	BB	793279	10660437	86.53%	4.761%
17	18.282	18.214	18.339	BB	783730	10619759	86.20%	4.743%
18	19.119	19.055	19.174	BB	710210	10002723	81.20%	4.468%
19	19.905	19.839	19.955	BB	603725	9047304	73.44%	4.041%
20	20.646	20.580	20.704	BB	514279	7775206	63.11%	3.473%
21	21.437	21.364	21.497	BB	361018	6940056	56.34%	3.100%
22	22.443	22.350	22.524	BB	244066	6437601	52.26%	2.875%

Sum of corrected areas: 223890303

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2

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

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	12.096	6323398	50.334 ug/ml
Spiked Amount	50.000		Recovery =	100.67%
12)	S 1-chlorooctadecane (S...	13.537	4942965	50.390 ug/ml
Spiked Amount	50.000		Recovery =	100.78%
	Target Compounds			
1)	T n-Nonane (C9)	3.422	5282413	50.050 ug/ml
2)	T n-Decane (C10)	4.681	5358787	50.057 ug/ml
3)	T A~Naphthalene (C11.7)	6.397	5839682	50.034 ug/ml
4)	T n-Dodecane (C12)	6.859	5389005	50.196 ug/ml
5)	T A~2-methylnaphthalene...	7.499	5689440	50.122 ug/ml
6)	T n-Tetradecane (C14)	8.698	5364151	50.211 ug/ml
7)	T n-Hexadecane (C16)	10.317	5578750	50.340 ug/ml
8)	T n-Octadecane (C18)	11.770	5705865	50.428 ug/ml
10)	T n-Eicosane (C20)	13.088	5586554	50.464 ug/ml
11)	T n-Heneicosane (C21)	13.704	5553509	50.443 ug/ml
13)	T n-Docosane (C22)	14.295	5578784	50.443 ug/ml
14)	T n-Tetracosane (C24)	15.404	5654747	50.320 ug/ml
15)	T n-Hexacosane (C26)	16.431	5630584	50.110 ug/ml
16)	T n-Octacosane (C28)	17.386	5542792	49.997 ug/ml
17)	T n-Tricontane (C30)	18.278	5543018	49.405 ug/ml
18)	T n-Dotriacontane (C32)	19.114	5238666	48.879 ug/ml
19)	T n-Tetratriacontane (C34)	19.901	4741671	48.674 ug/ml
20)	T n-Hexatriacontane (C36)	20.644	4064127	48.516 ug/ml
21)	T n-Octatriacontane (C38)	21.434	3616216	48.567 ug/ml
22)	T n-Tetracontane (C40)	22.437	3330661	48.727 ug/ml

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

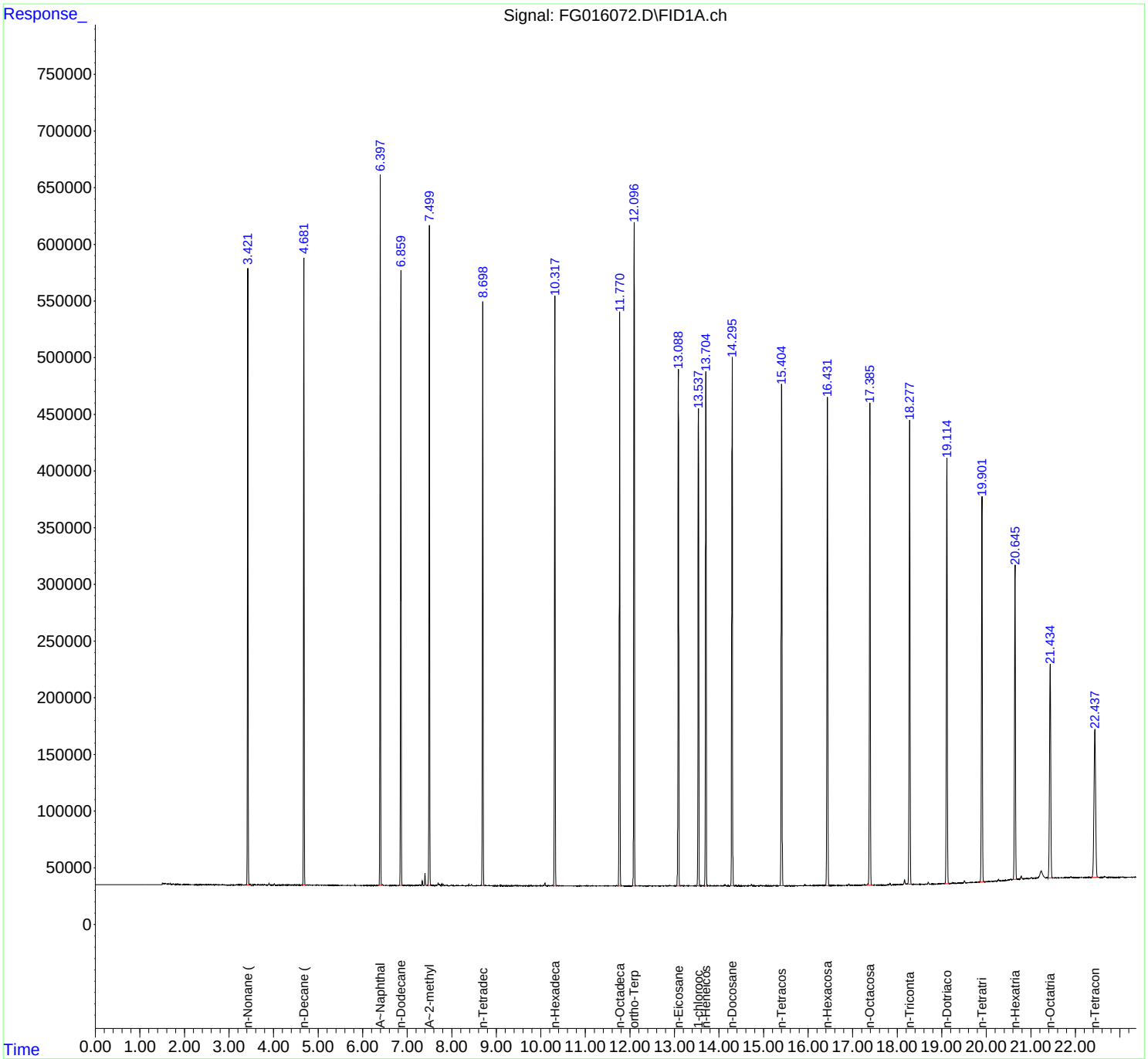
Quantitation Report (QT Reviewed)

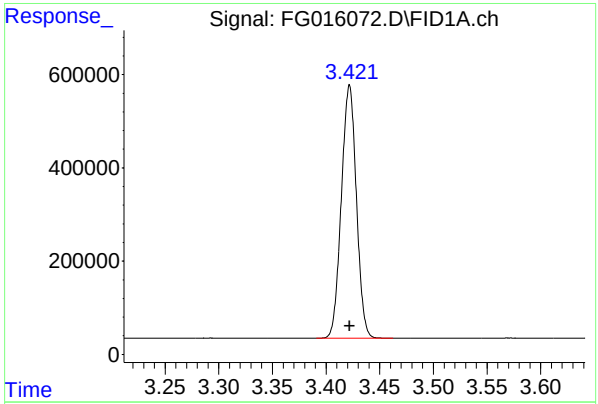
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016072.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 14:34
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2

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

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

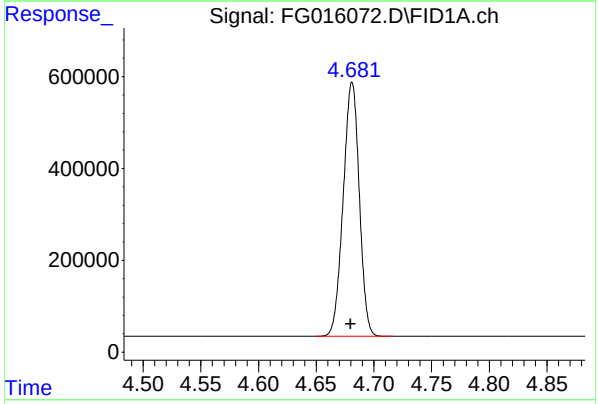




#1 n-Nonane (C9)

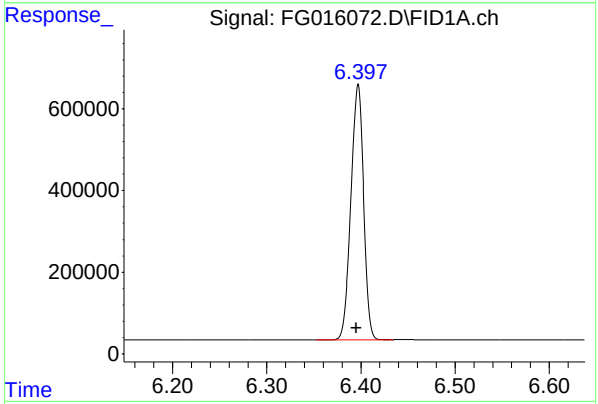
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 5282413
Conc: 50.05 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



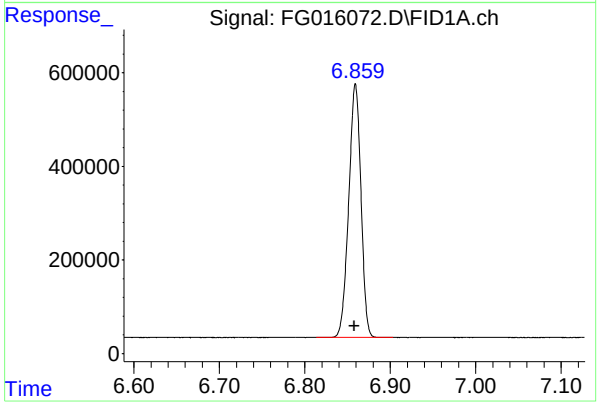
#2 n-Decane (C10)

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



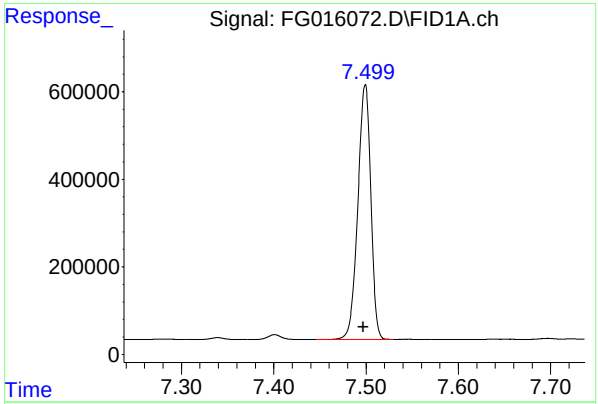
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

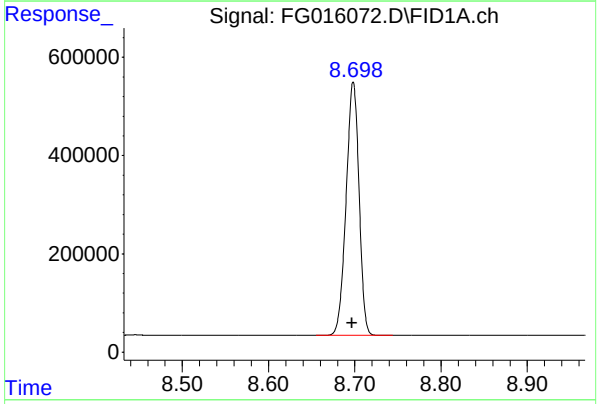
R.T.: 6.859 min
Delta R.T.: 0.001 min
Response: 5389005
Conc: 50.20 ug/ml



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

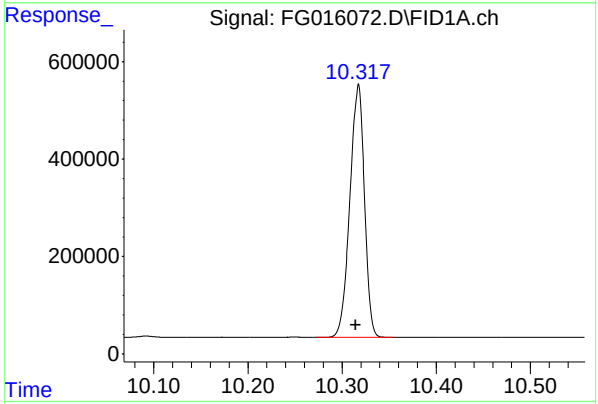
R.T.: 7.499 min
Delta R.T.: 0.002 min
Response: 5689440
Conc: 50.12 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



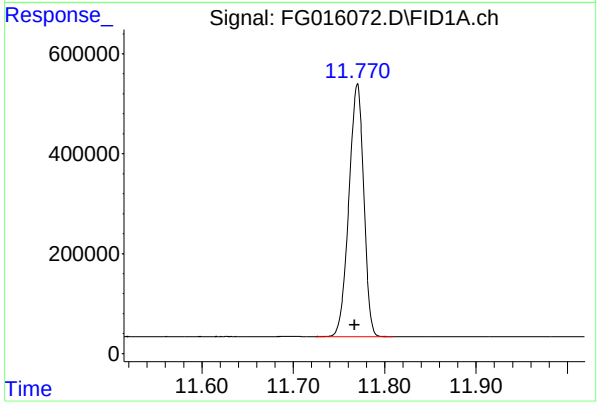
#6 n-Tetradecane (C14)

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



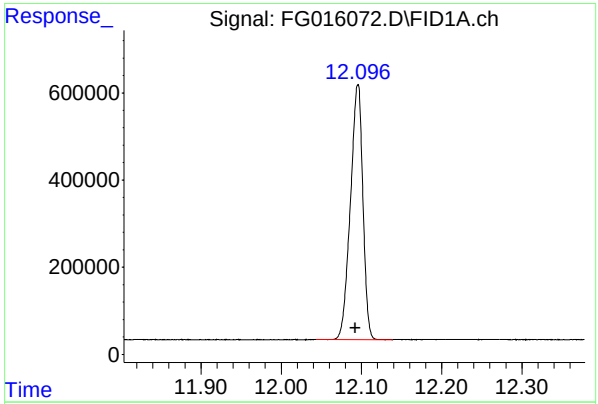
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

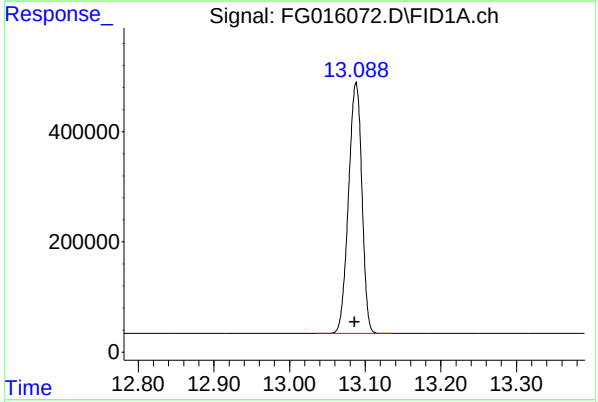
R.T.: 11.770 min
Delta R.T.: 0.003 min
Response: 5705865
Conc: 50.43 ug/ml



#9 ortho-Terphenyl (SURR)

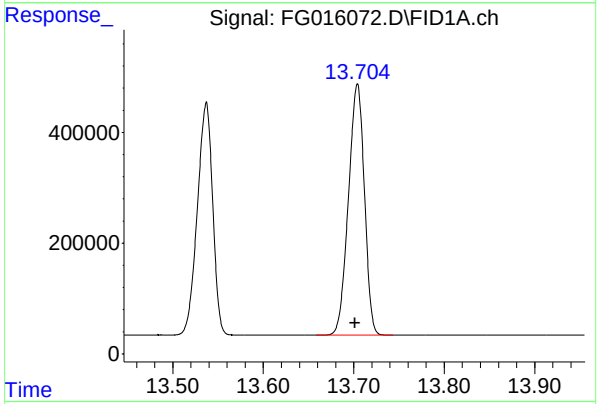
R.T.: 12.096 min
Delta R.T.: 0.003 min
Response: 6323398
Conc: 50.33 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



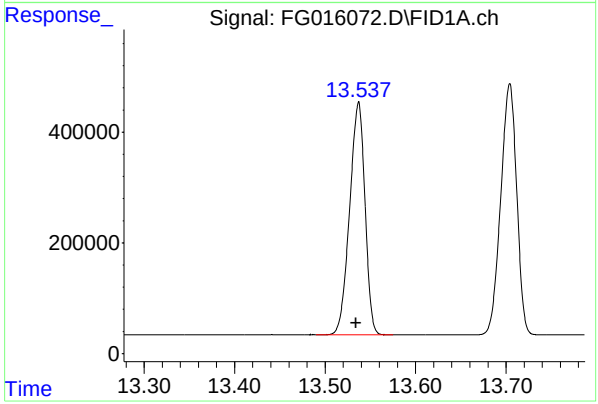
#10 n-Eicosane (C20)

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



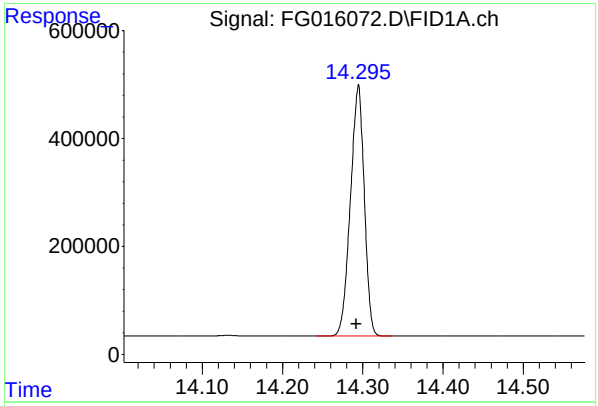
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

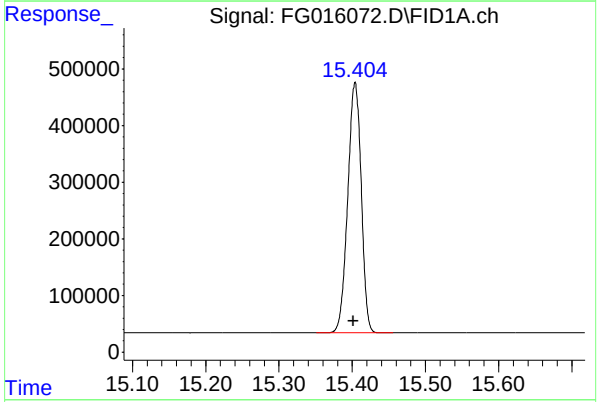
R.T.: 13.537 min
Delta R.T.: 0.003 min
Response: 4942965
Conc: 50.39 ug/ml



#13 n-Docosane (C22)

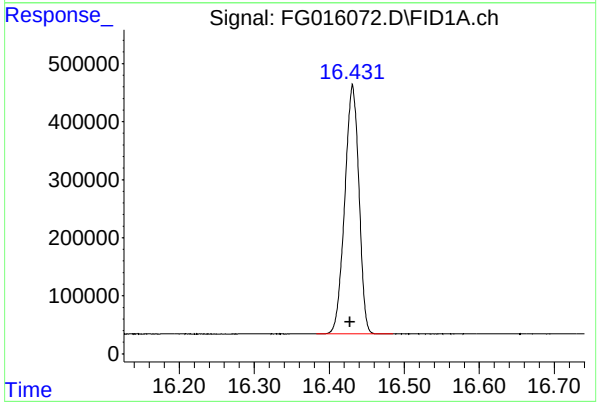
R.T.: 14.295 min
Delta R.T.: 0.003 min
Response: 5578784
Conc: 50.44 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



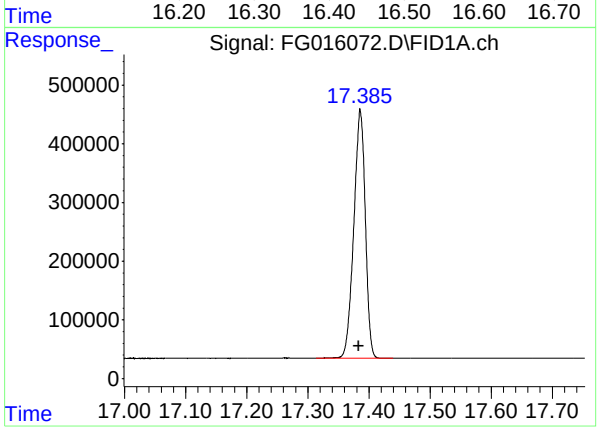
#14 n-Tetracosane (C24)

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



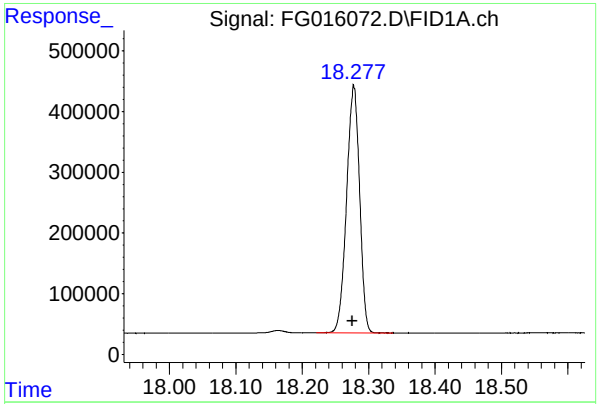
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

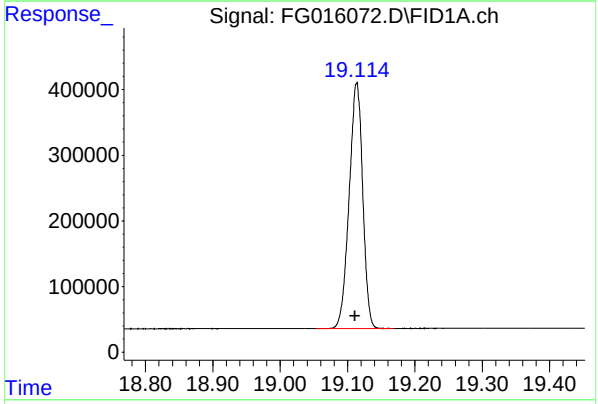
R.T.: 17.386 min
Delta R.T.: 0.003 min
Response: 5542792
Conc: 50.00 ug/ml



#17 n-Tricontane (C30)

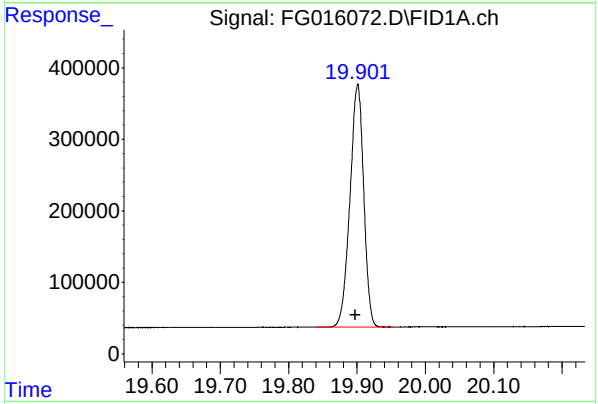
R.T.: 18.278 min
Delta R.T.: 0.003 min
Response: 5543018
Conc: 49.41 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



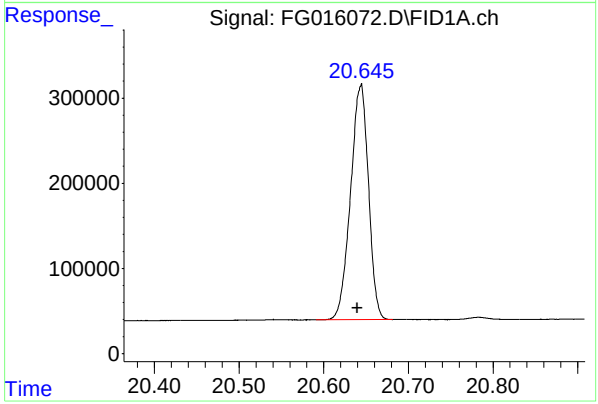
#18 n-Dotriacontane (C32)

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



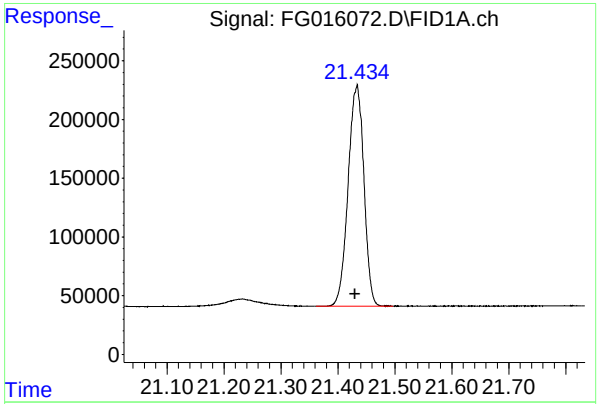
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

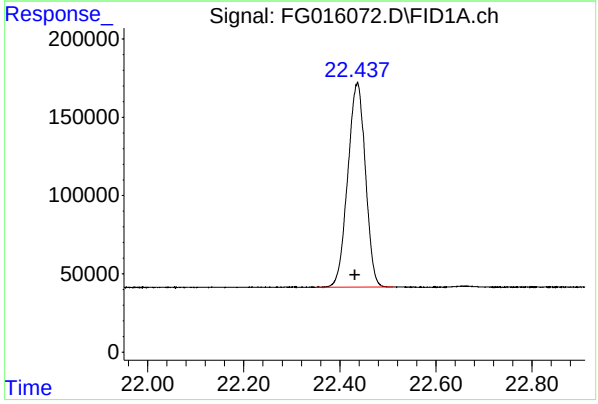
R.T.: 20.644 min
Delta R.T.: 0.004 min
Response: 4064127
Conc: 48.52 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.422	3.391	3.463	BB	543888	5282413	83.54%	4.571%
2	4.681	4.650	4.717	BB	553263	5358787	84.75%	4.637%
3	6.397	6.353	6.434	BV	627309	5839682	92.35%	5.054%
4	6.859	6.813	6.903	BB	542258	5389005	85.22%	4.664%
5	7.499	7.446	7.529	BB	581901	5689440	89.97%	4.924%
6	8.698	8.655	8.744	BB	515326	5364151	84.83%	4.642%
7	10.317	10.273	10.354	BB	520515	5578750	88.22%	4.828%
8	11.770	11.725	11.809	BB	504995	5705865	90.23%	4.938%
9	12.096	12.043	12.139	BB	585107	6323398	100.00%	5.472%
10	13.088	13.035	13.137	BB	456224	5586554	88.35%	4.835%
11	13.537	13.490	13.575	BB	421902	4942965	78.17%	4.278%
12	13.704	13.658	13.743	BB	453752	5553509	87.82%	4.806%
13	14.295	14.242	14.338	BB	467118	5578784	88.22%	4.828%
14	15.404	15.351	15.456	BB	442544	5654747	89.43%	4.894%
15	16.431	16.383	16.485	BB	429618	5630584	89.04%	4.873%
16	17.386	17.313	17.439	BB	423056	5542792	87.66%	4.797%
17	18.278	18.221	18.337	BB	407546	5543018	87.66%	4.797%
18	19.114	19.053	19.168	BB	373275	5238666	82.85%	4.533%
19	19.901	19.840	19.953	BB	339150	4741671	74.99%	4.103%
20	20.644	20.591	20.682	BB	275777	4064127	64.27%	3.517%
21	21.434	21.362	21.497	BB	187569	3616216	57.19%	3.129%
22	22.437	22.350	22.510	BB	130908	3330661	52.67%	2.882%

Sum of corrected areas: 115555784

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3

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

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	12.092	2512588	20.000 ug/ml
	Spiked Amount 50.000		Recovery = 40.00%	
12)	S 1-chlorooctadecane (S...	13.534	1961882	20.000 ug/ml
	Spiked Amount 50.000		Recovery = 40.00%	
	Target Compounds			
1)	T n-Nonane (C9)	3.422	2110859	20.000 ug/ml
2)	T n-Decane (C10)	4.680	2141056	20.000 ug/ml
3)	T A~Naphthalene (C11.7)	6.395	2334263	20.000 ug/ml
4)	T n-Dodecane (C12)	6.858	2147185	20.000 ug/ml
5)	T A~2-methylnaphthalene...	7.497	2270238	20.000 ug/ml
6)	T n-Tetradecane (C14)	8.697	2136654	20.000 ug/ml
7)	T n-Hexadecane (C16)	10.315	2216423	20.000 ug/ml
8)	T n-Octadecane (C18)	11.767	2262977	20.000 ug/ml
10)	T n-Eicosane (C20)	13.086	2214059	20.000 ug/ml
11)	T n-Heneicosane (C21)	13.701	2201898	20.000 ug/ml
13)	T n-Docosane (C22)	14.292	2211918	20.000 ug/ml
14)	T n-Tetracosane (C24)	15.401	2247523	20.000 ug/ml
15)	T n-Hexacosane (C26)	16.428	2247292	20.000 ug/ml
16)	T n-Octacosane (C28)	17.383	2217254	20.000 ug/ml
17)	T n-Tricontane (C30)	18.275	2243899	20.000 ug/ml
18)	T n-Dotriacontane (C32)	19.111	2143536	20.000 ug/ml
19)	T n-Tetratriacontane (C34)	19.898	1948322	20.000 ug/ml
20)	T n-Hexatriacontane (C36)	20.640	1675390	20.000 ug/ml
21)	T n-Octatriacontane (C38)	21.430	1489170	20.000 ug/ml
22)	T n-Tetracontane (C40)	22.432	1367074	20.000 ug/ml

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

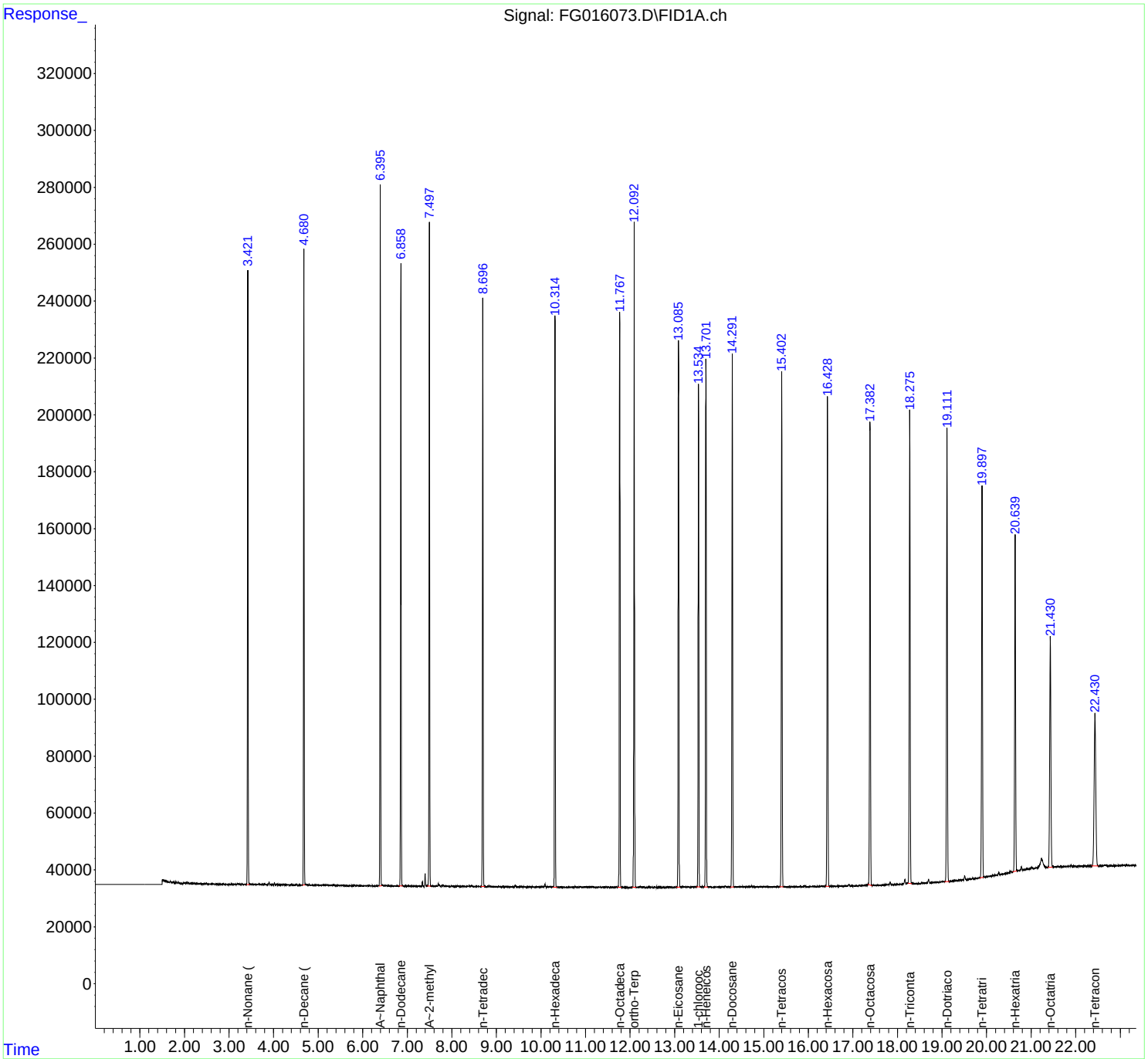
Quantitation Report (QT Reviewed)

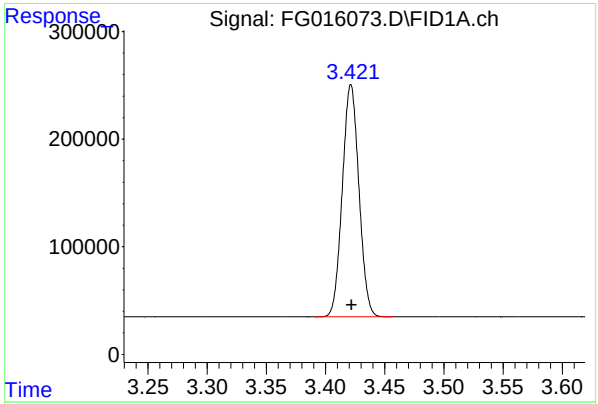
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016073.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 15:03
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3

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

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

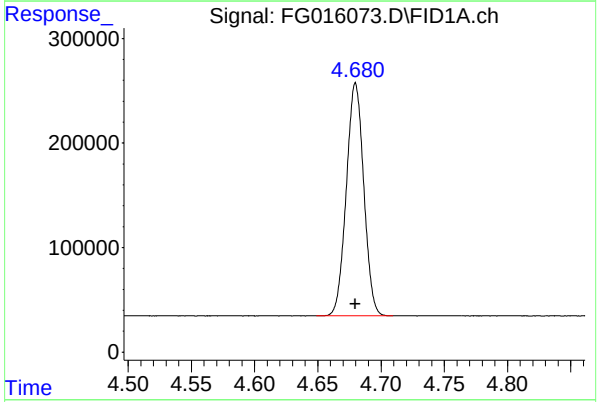




#1 n-Nonane (C9)

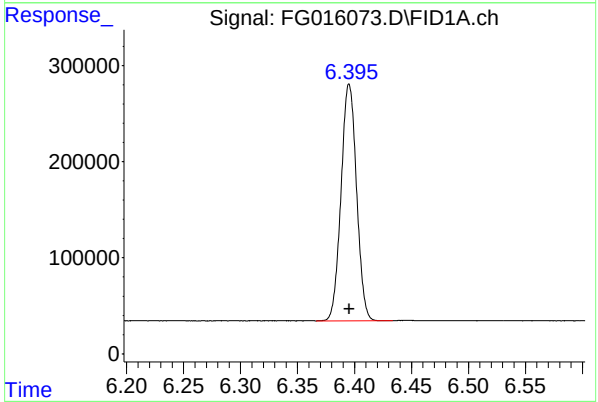
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 2110859
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



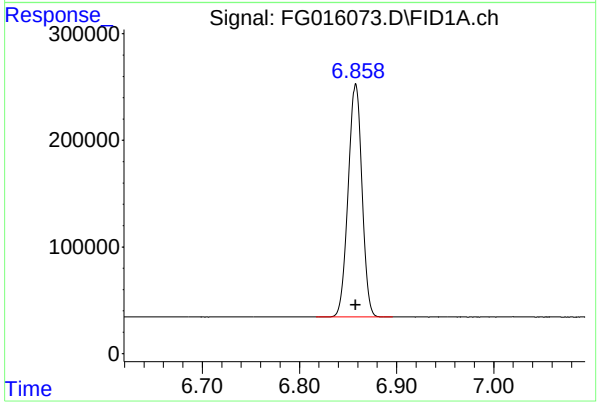
#2 n-Decane (C10)

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



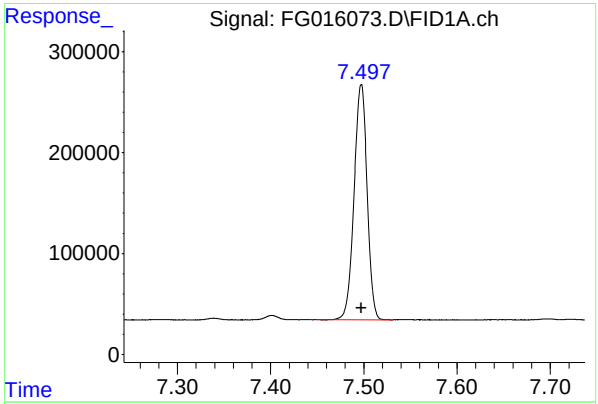
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

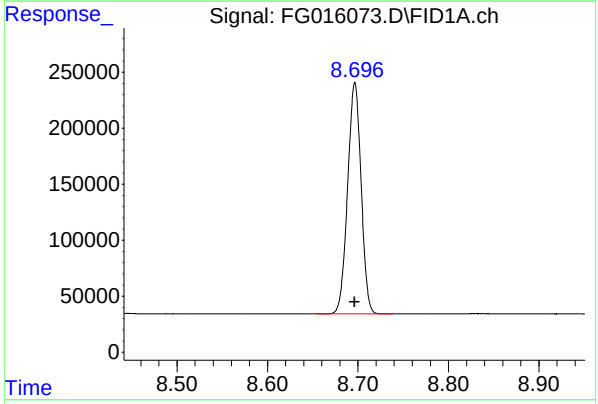
R.T.: 6.858 min
Delta R.T.: 0.000 min
Response: 2147185
Conc: 20.00 ug/ml



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

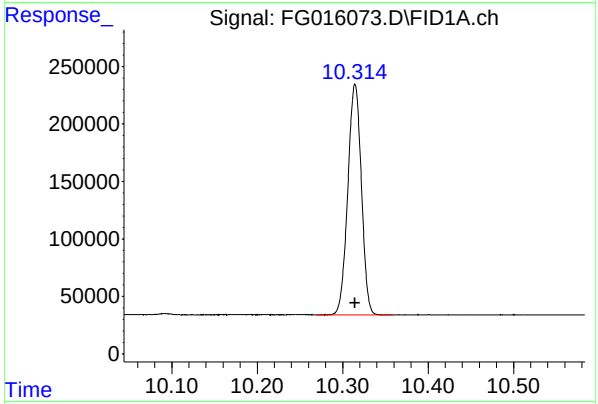
R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 2270238
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



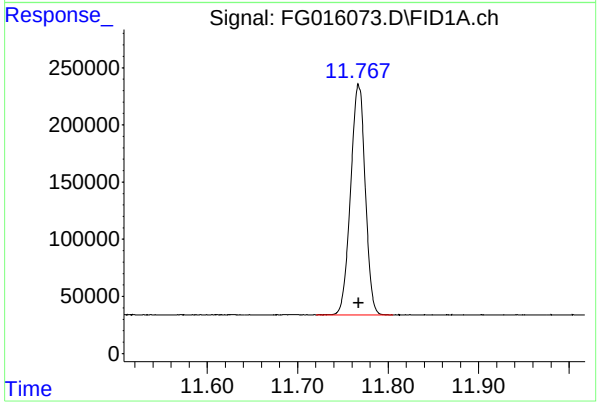
#6 n-Tetradecane (C14)

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



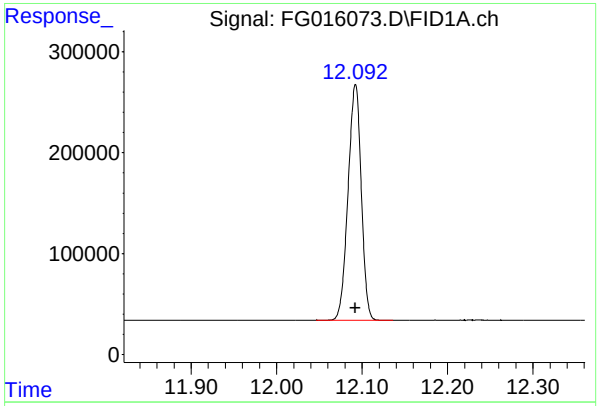
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

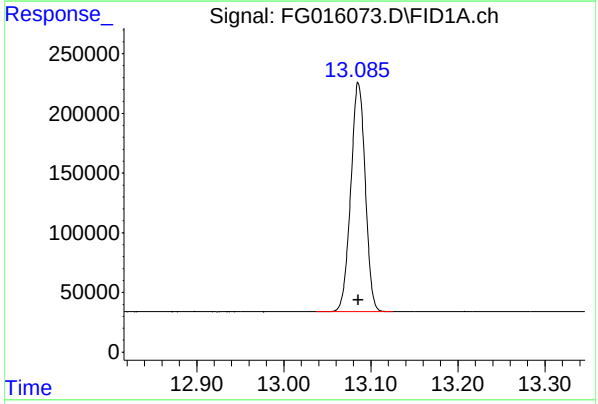
R.T.: 11.767 min
Delta R.T.: 0.000 min
Response: 2262977
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

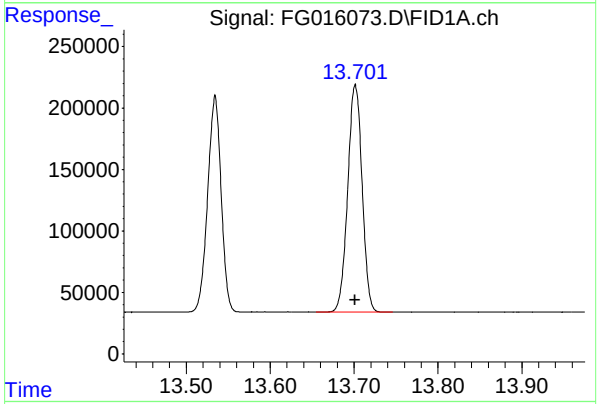
R.T.: 12.092 min
Delta R.T.: 0.000 min
Response: 2512588
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



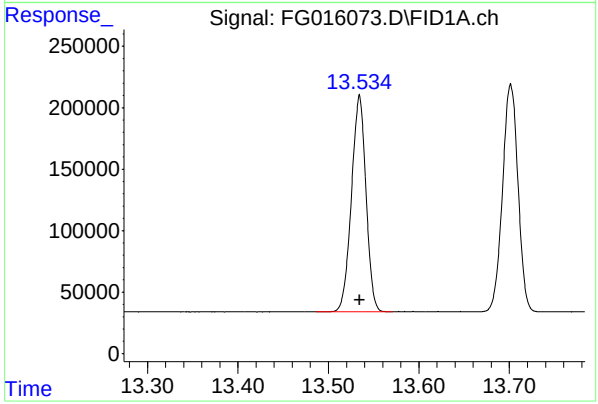
#10 n-Eicosane (C20)

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



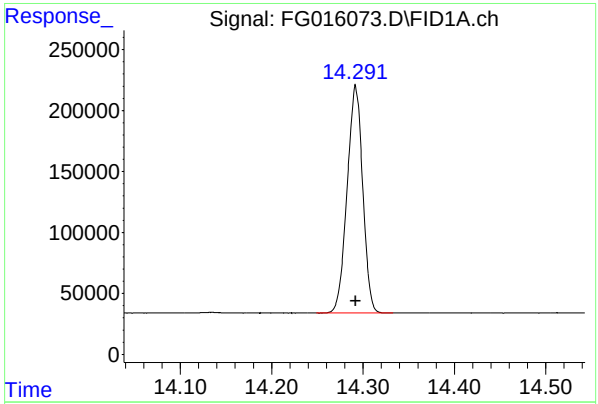
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

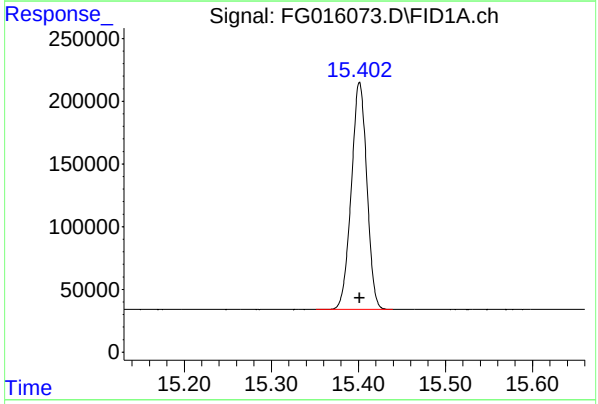
R.T.: 13.534 min
Delta R.T.: 0.000 min
Response: 1961882
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

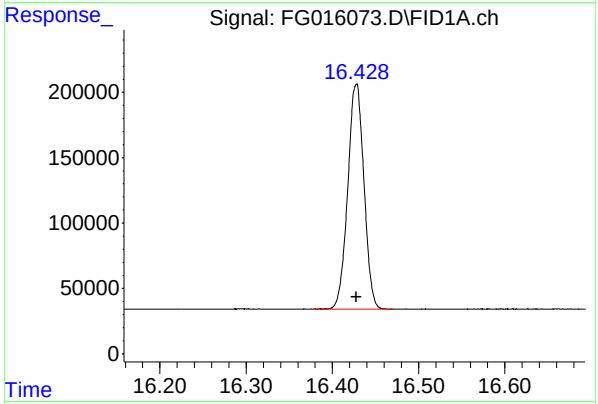
R.T.: 14.292 min
Delta R.T.: 0.000 min
Response: 2211918
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



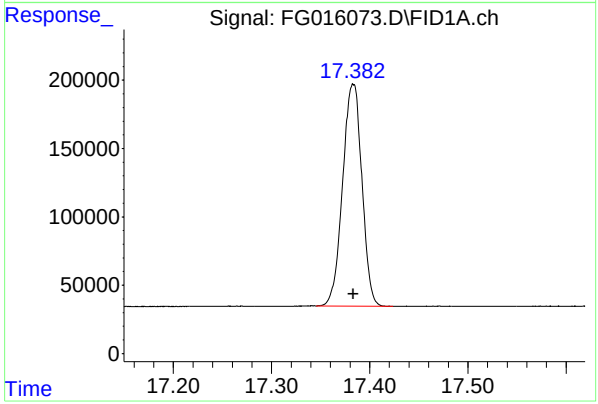
#14 n-Tetracosane (C24)

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



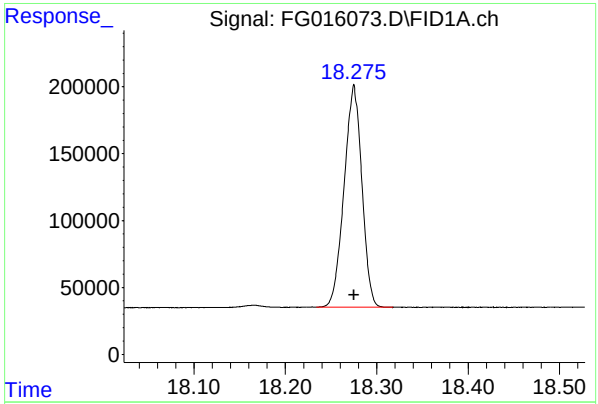
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

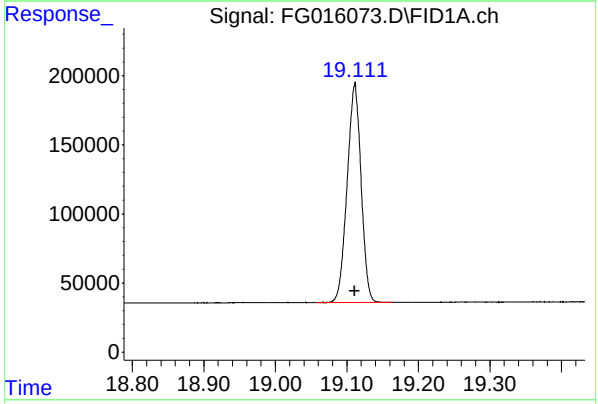
R.T.: 17.383 min
Delta R.T.: 0.000 min
Response: 2217254
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

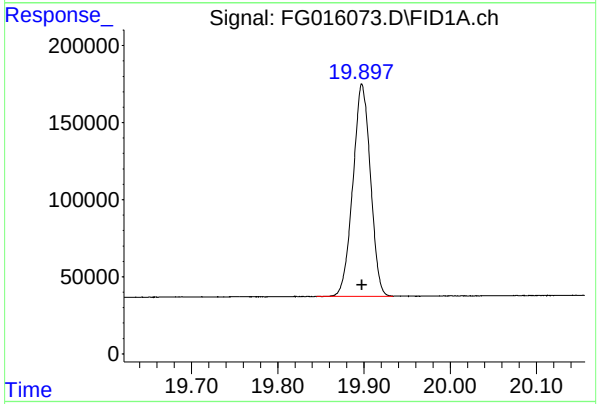
R.T.: 18.275 min
Delta R.T.: 0.000 min
Response: 2243899
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



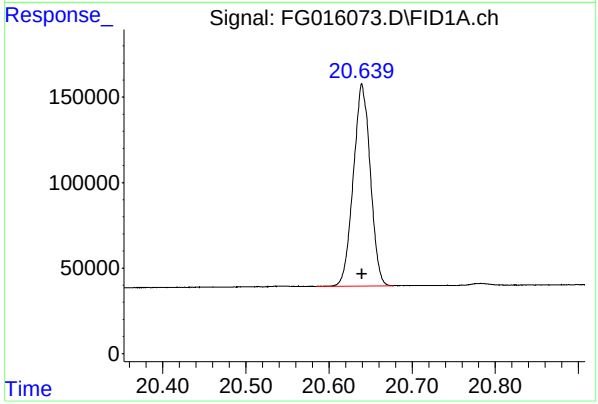
#18 n-Dotriacontane (C32)

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



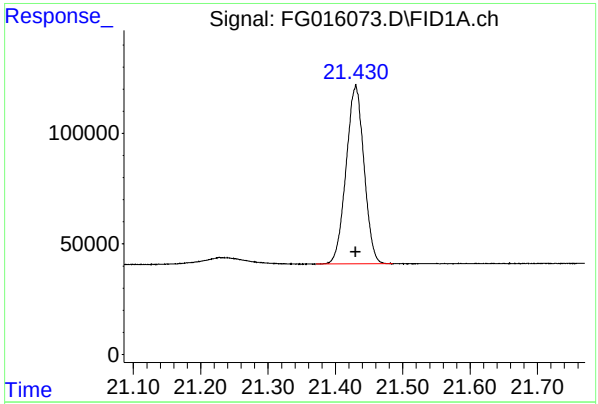
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

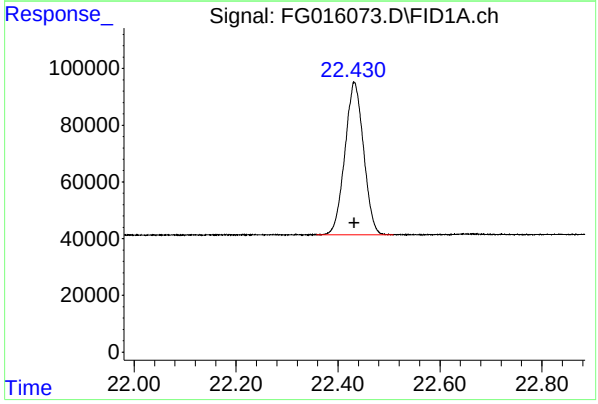
R.T.: 20.640 min
Delta R.T.: 0.000 min
Response: 1675390
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.422	3.392	3.457	BB	215954	2110859	84.01%	4.559%
2	4.680	4.649	4.710	BB	223012	2141056	85.21%	4.624%
3	6.395	6.366	6.434	BB	246459	2334263	92.90%	5.041%
4	6.858	6.817	6.896	BB	218683	2147185	85.46%	4.637%
5	7.497	7.449	7.531	BB	233356	2270238	90.35%	4.903%
6	8.697	8.654	8.739	BB	207028	2136654	85.04%	4.615%
7	10.315	10.269	10.359	BB	200667	2216423	88.21%	4.787%
8	11.767	11.720	11.805	BB	200267	2262977	90.07%	4.887%
9	12.092	12.046	12.136	BB	233767	2512588	100.00%	5.427%
10	13.086	13.037	13.125	BB	191623	2214059	88.12%	4.782%
11	13.534	13.486	13.571	BB	176573	1961882	78.08%	4.237%
12	13.701	13.655	13.746	BB	185016	2201898	87.63%	4.756%
13	14.292	14.249	14.333	BB	186757	2211918	88.03%	4.777%
14	15.401	15.351	15.440	BB	180924	2247523	89.45%	4.854%
15	16.428	16.381	16.470	BB	171976	2247292	89.44%	4.854%
16	17.383	17.345	17.424	BB	161770	2217254	88.25%	4.789%
17	18.275	18.234	18.318	BB	166537	2243899	89.31%	4.846%
18	19.111	19.057	19.165	BB	158160	2143536	85.31%	4.630%
19	19.898	19.845	19.934	BB	137655	1948322	77.54%	4.208%
20	20.640	20.585	20.677	BB	118225	1675390	66.68%	3.618%
21	21.430	21.371	21.485	BB	81200	1489170	59.27%	3.216%
22	22.432	22.357	22.508	BB	53553	1367074	54.41%	2.953%
			Sum of corrected areas:			46301461		

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

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

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	12.091	1286511	10.241 ug/ml
Spiked Amount	50.000		Recovery =	20.48%
12)	S 1-chlorooctadecane (S...	13.534	1004341	10.239 ug/ml
Spiked Amount	50.000		Recovery =	20.48%
	Target Compounds			
1)	T n-Nonane (C9)	3.421	1080527	10.238 ug/ml
2)	T n-Decane (C10)	4.680	1095102	10.230 ug/ml
3)	T A~Naphthalene (C11.7)	6.396	1191754	10.211 ug/ml
4)	T n-Dodecane (C12)	6.858	1097786	10.225 ug/ml
5)	T A~2-methylnaphthalene...	7.497	1159323	10.213 ug/ml
6)	T n-Tetradecane (C14)	8.696	1095723	10.256 ug/ml
7)	T n-Hexadecane (C16)	10.314	1133303	10.226 ug/ml
8)	T n-Octadecane (C18)	11.766	1158461	10.238 ug/ml
10)	T n-Eicosane (C20)	13.084	1134527	10.248 ug/ml
11)	T n-Heneicosane (C21)	13.701	1127454	10.241 ug/ml
13)	T n-Docosane (C22)	14.290	1133031	10.245 ug/ml
14)	T n-Tetracosane (C24)	15.400	1150621	10.239 ug/ml
15)	T n-Hexacosane (C26)	16.427	1150749	10.241 ug/ml
16)	T n-Octacosane (C28)	17.382	1138837	10.272 ug/ml
17)	T n-Tricontane (C30)	18.273	1151501	10.263 ug/ml
18)	T n-Dotriacontane (C32)	19.110	1100779	10.271 ug/ml
19)	T n-Tetratriacontane (C34)	19.897	1003430	10.300 ug/ml
20)	T n-Hexatriacontane (C36)	20.641	862082	10.291 ug/ml
21)	T n-Octatriacontane (C38)	21.429	766676	10.297 ug/ml
22)	T n-Tetracontane (C40)	22.435	703828	10.297 ug/ml

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

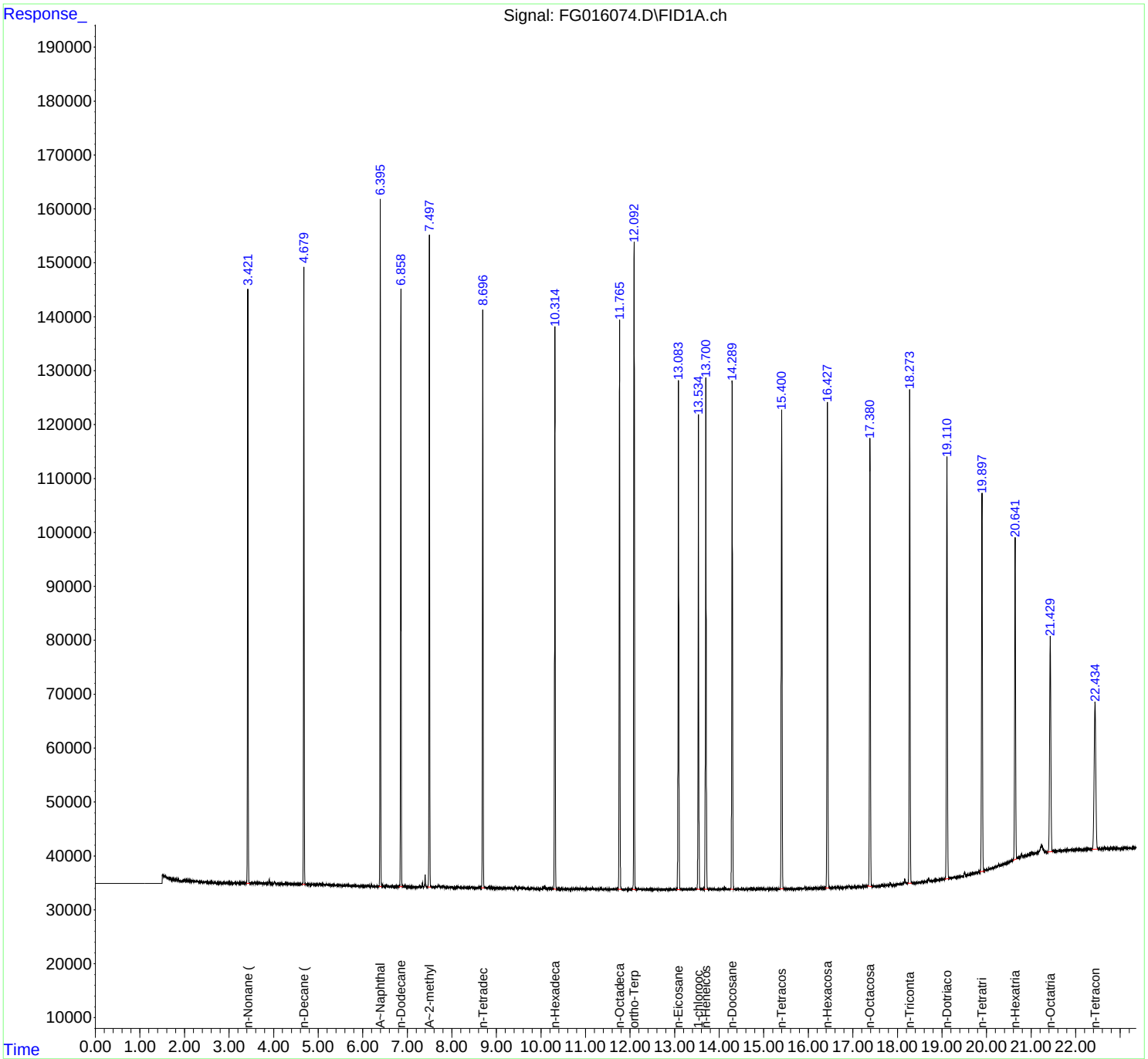
Quantitation Report (QT Reviewed)

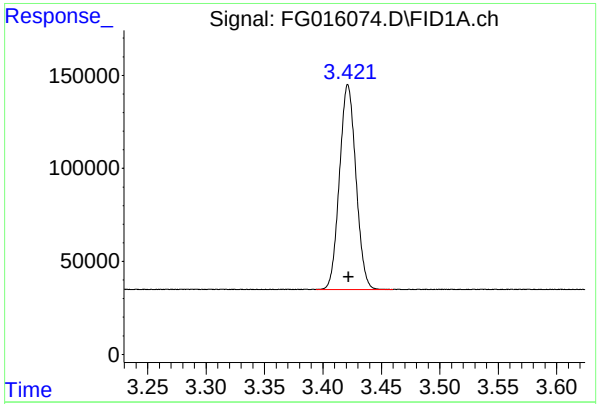
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016074.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 15:33
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

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

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

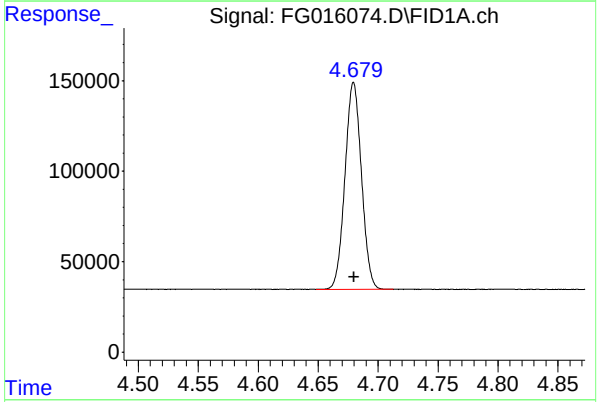




#1 n-Nonane (C9)

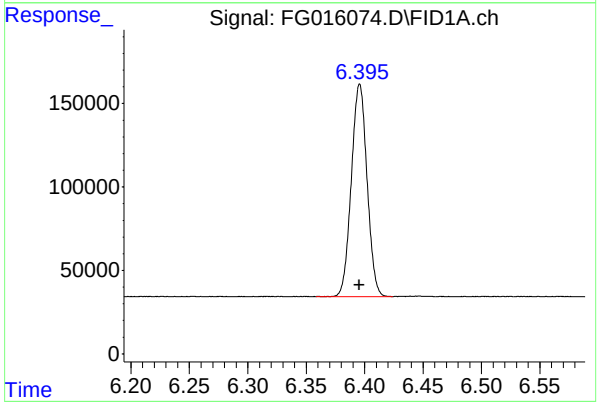
R.T.: 3.421 min
Delta R.T.: 0.000 min
Response: 1080527
Conc: 10.24 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



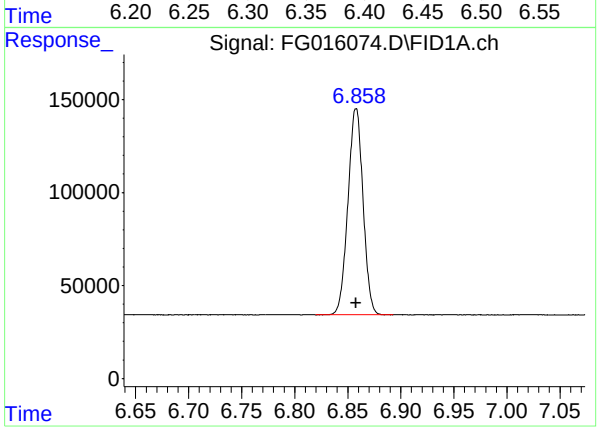
#2 n-Decane (C10)

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



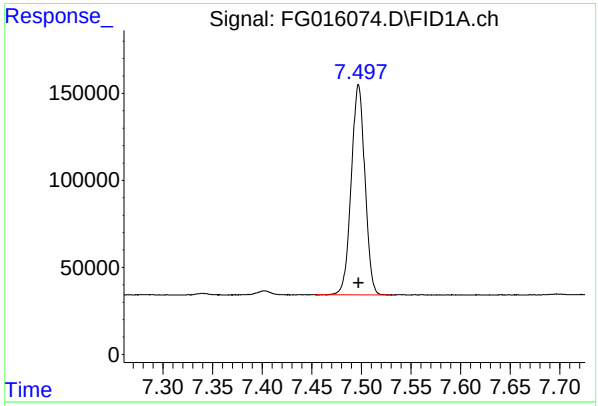
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

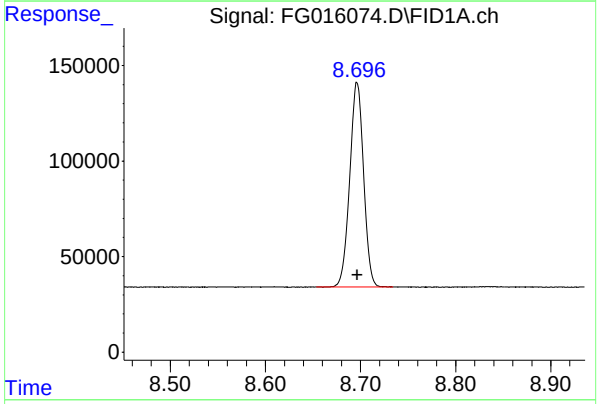
R.T.: 6.858 min
Delta R.T.: 0.000 min
Response: 1097786
Conc: 10.23 ug/ml



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

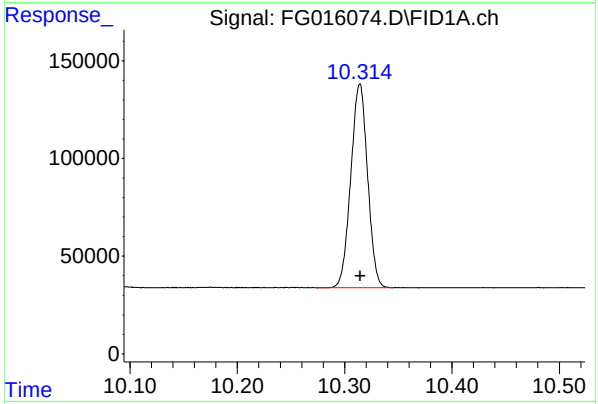
R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 1159323
Conc: 10.21 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



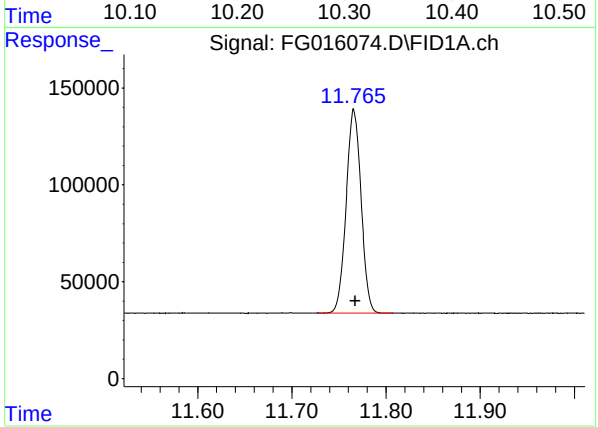
#6 n-Tetradecane (C14)

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



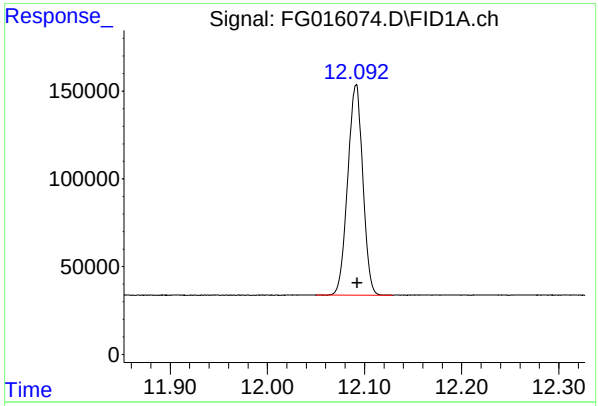
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

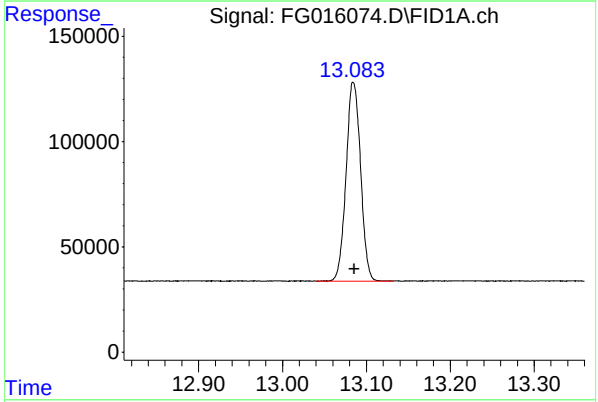
R.T.: 11.766 min
Delta R.T.: -0.002 min
Response: 1158461
Conc: 10.24 ug/ml



#9 ortho-Terphenyl (SURR)

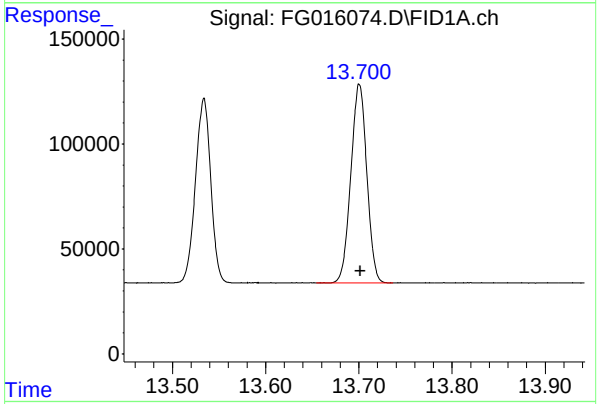
R.T.: 12.091 min
Delta R.T.: -0.001 min
Response: 1286511
Conc: 10.24 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



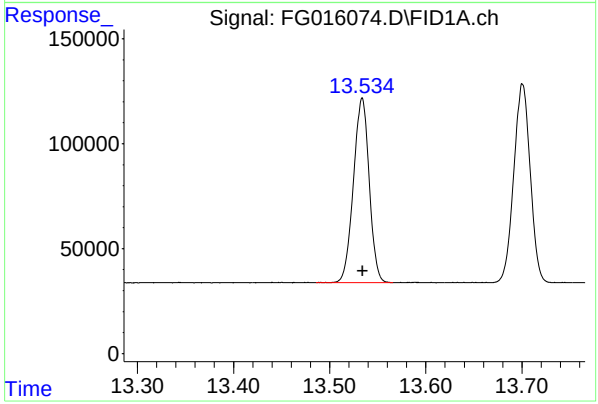
#10 n-Eicosane (C20)

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



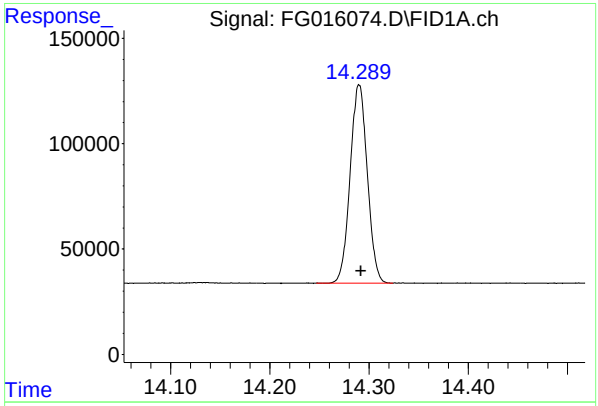
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

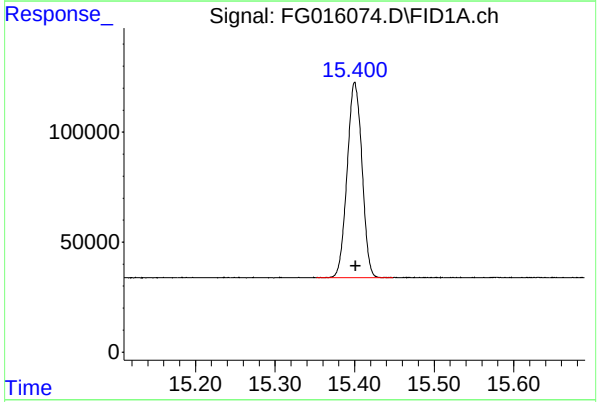
R.T.: 13.534 min
Delta R.T.: 0.000 min
Response: 1004341
Conc: 10.24 ug/ml



#13 n-Docosane (C22)

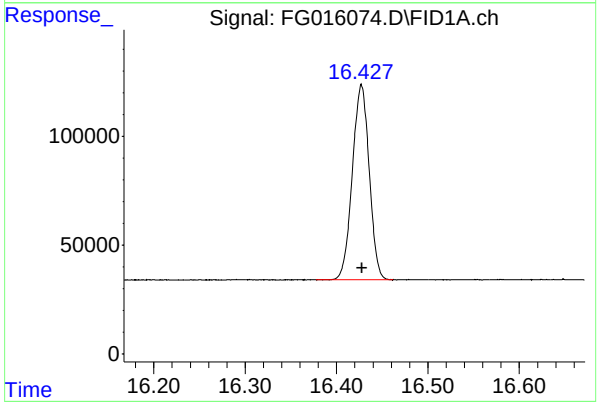
R.T.: 14.290 min
Delta R.T.: -0.002 min
Response: 1133031
Conc: 10.24 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



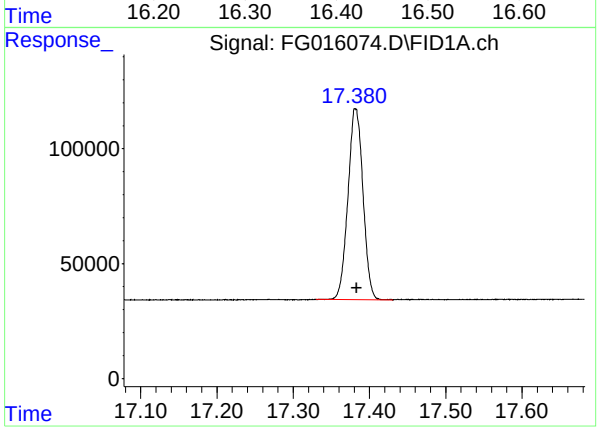
#14 n-Tetracosane (C24)

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



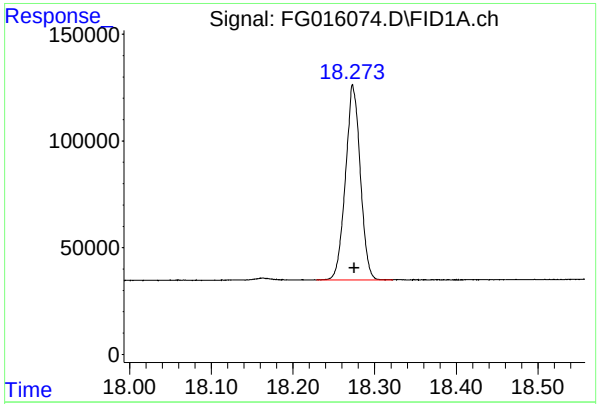
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

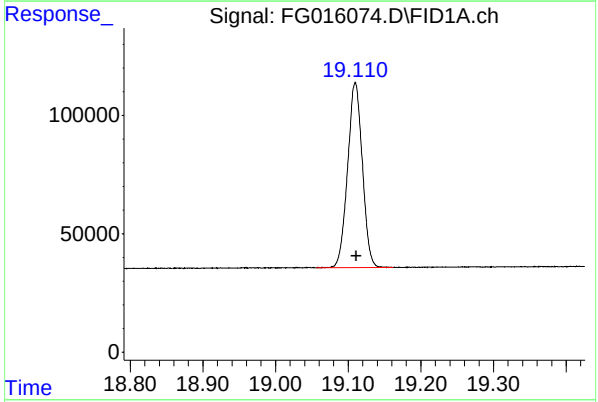
R.T.: 17.382 min
Delta R.T.: -0.002 min
Response: 1138837
Conc: 10.27 ug/ml



#17 n-Tricontane (C30)

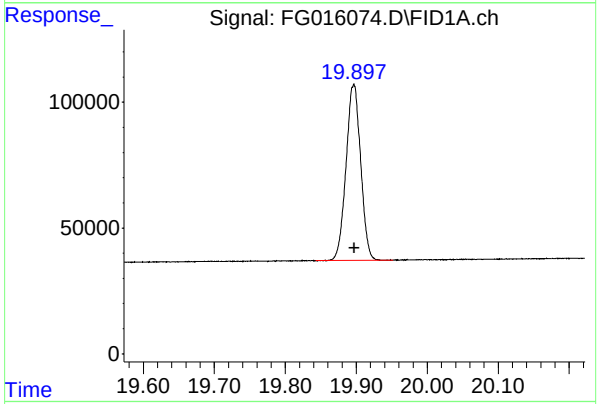
R.T.: 18.273 min
Delta R.T.: -0.002 min
Response: 1151501
Conc: 10.26 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



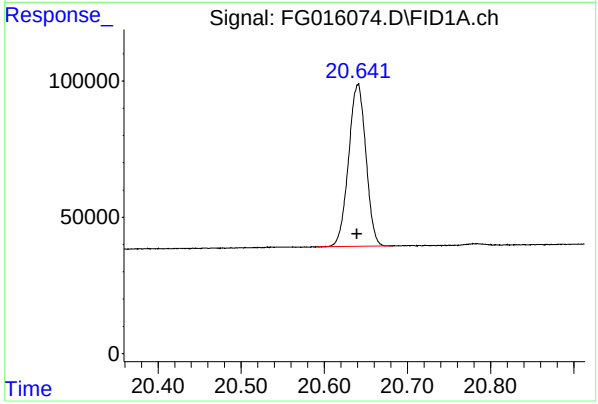
#18 n-Dotriacontane (C32)

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



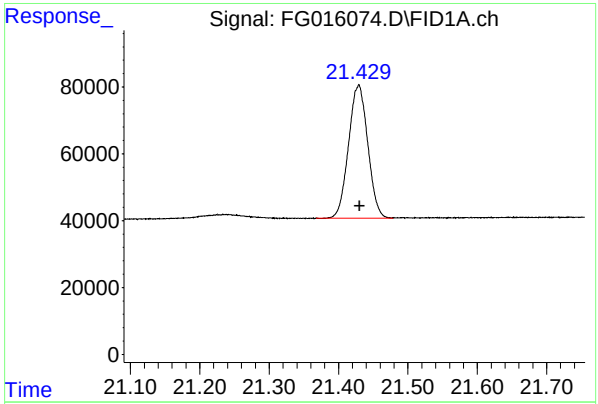
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

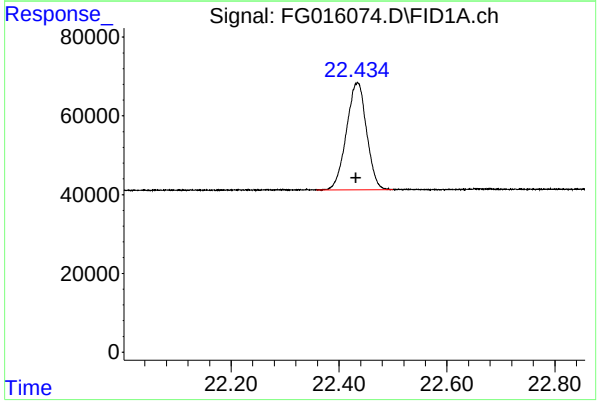
R.T.: 20.641 min
Delta R.T.: 0.000 min
Response: 862082
Conc: 10.29 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.421	3.394	3.460	BB	110148	1080527	83.99%	4.554%
2	4.680	4.648	4.713	BB	114547	1095102	85.12%	4.616%
3	6.396	6.358	6.424	BB	127447	1191754	92.63%	5.023%
4	6.858	6.820	6.893	BB	110851	1097786	85.33%	4.627%
5	7.497	7.454	7.532	BB	120590	1159323	90.11%	4.886%
6	8.696	8.653	8.734	BB	106899	1095723	85.17%	4.618%
7	10.314	10.273	10.345	BB	104318	1133303	88.09%	4.777%
8	11.766	11.726	11.808	BB	105022	1158461	90.05%	4.883%
9	12.091	12.050	12.129	BB	119787	1286511	100.00%	5.422%
10	13.084	13.040	13.132	BB	94323	1134527	88.19%	4.782%
11	13.534	13.486	13.566	BB	88092	1004341	78.07%	4.233%
12	13.701	13.654	13.737	BB	94496	1127454	87.64%	4.752%
13	14.290	14.247	14.324	BB	94175	1133031	88.07%	4.775%
14	15.400	15.352	15.448	BB	88694	1150621	89.44%	4.850%
15	16.427	16.378	16.462	BB	89763	1150749	89.45%	4.850%
16	17.382	17.330	17.431	BB	82997	1138837	88.52%	4.800%
17	18.273	18.228	18.323	BB	91227	1151501	89.51%	4.853%
18	19.110	19.056	19.162	BB	78328	1100779	85.56%	4.639%
19	19.897	19.843	19.952	BB	70173	1003430	78.00%	4.229%
20	20.641	20.590	20.683	BB	59420	862082	67.01%	3.633%
21	21.429	21.368	21.478	BB	39978	766676	59.59%	3.231%
22	22.435	22.358	22.500	BB	27167	703828	54.71%	2.966%
			Sum of corrected areas:			23726347		

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

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

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.089	705923	5.619 ug/ml
Spiked Amount	50.000		Recovery =	11.24%
12) S	1-chlorooctadecane (S...	13.532	550881	5.616 ug/ml
Spiked Amount	50.000		Recovery =	11.23%
	Target Compounds			
1) T	n-Nonane (C9)	3.422	595428	5.642 ug/ml
2) T	n-Decane (C10)	4.680	602565	5.629 ug/ml
3) T	A~Naphthalene (C11.7)	6.396	656045	5.621 ug/ml
4) T	n-Dodecane (C12)	6.857	603165	5.618 ug/ml
5) T	A~2-methylnaphthalene...	7.497	638058	5.621 ug/ml
6) T	n-Tetradecane (C14)	8.696	604003	5.654 ug/ml
7) T	n-Hexadecane (C16)	10.313	622758	5.619 ug/ml
8) T	n-Octadecane (C18)	11.766	638246	5.641 ug/ml
10) T	n-Eicosane (C20)	13.084	621489	5.614 ug/ml
11) T	n-Heneicosane (C21)	13.701	620307	5.634 ug/ml
13) T	n-Docosane (C22)	14.290	622270	5.627 ug/ml
14) T	n-Tetracosane (C24)	15.400	632301	5.627 ug/ml
15) T	n-Hexacosane (C26)	16.427	632980	5.633 ug/ml
16) T	n-Octacosane (C28)	17.382	626234	5.649 ug/ml
17) T	n-Tricontane (C30)	18.273	640242	5.707 ug/ml
18) T	n-Dotriacontane (C32)	19.110	615463	5.743 ug/ml
19) T	n-Tetratriacontane (C34)	19.897	558031	5.728 ug/ml
20) T	n-Hexatriacontane (C36)	20.640	476929	5.693 ug/ml
21) T	n-Octatriacontane (C38)	21.428	423048	5.682 ug/ml
22) T	n-Tetracontane (C40)	22.431	380088	5.561 ug/ml

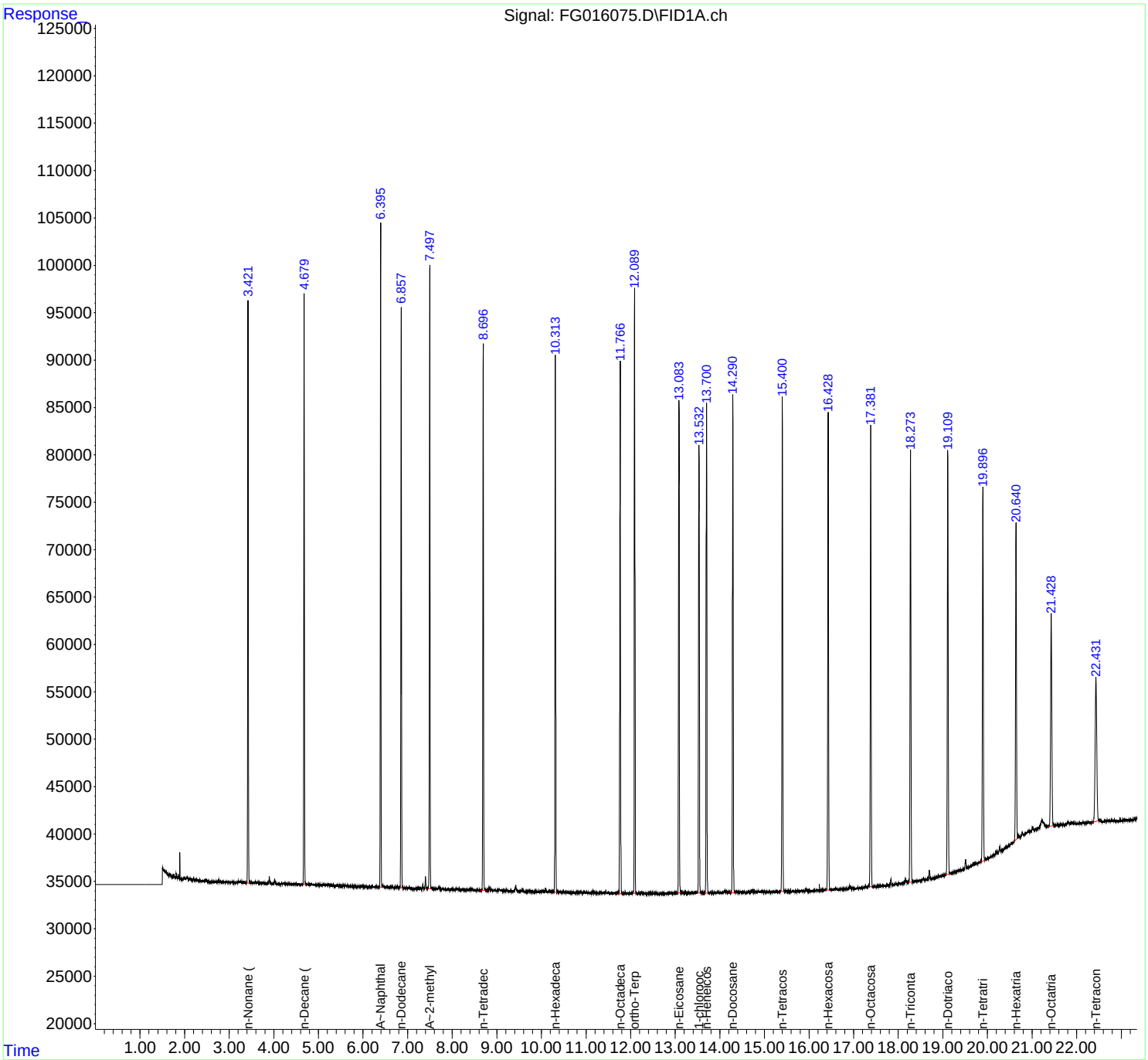
(f)=RT Delta > 1/2 Window (m)=manual int.

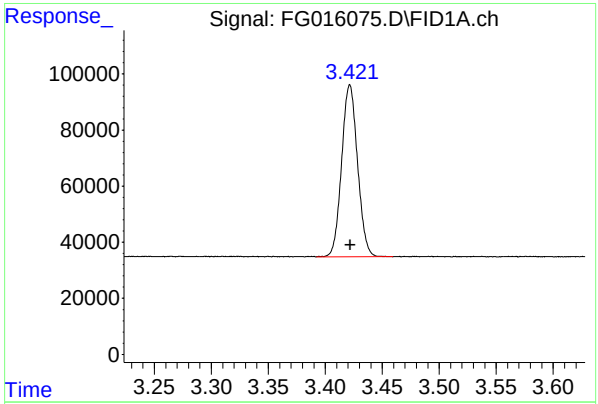
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016075.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 16:02
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

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

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

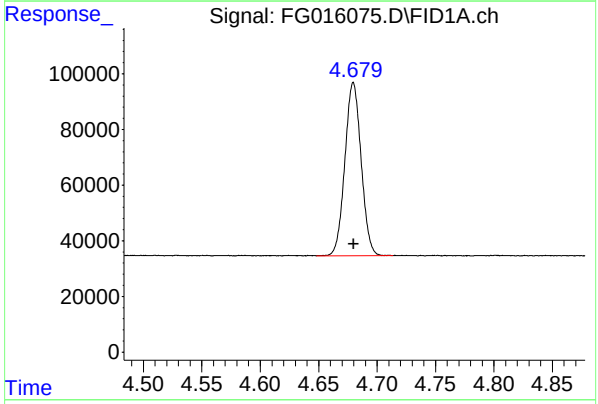




#1 n-Nonane (C9)

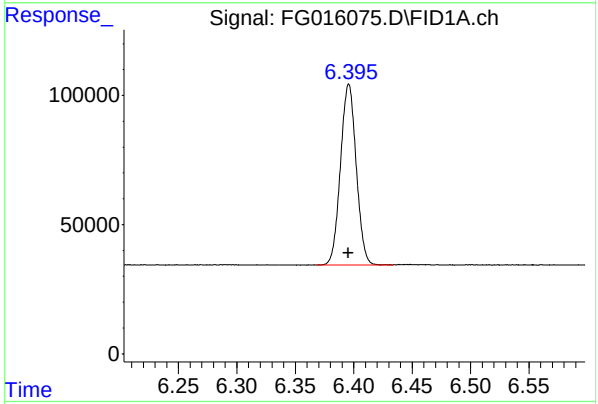
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 595428
Conc: 5.64 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



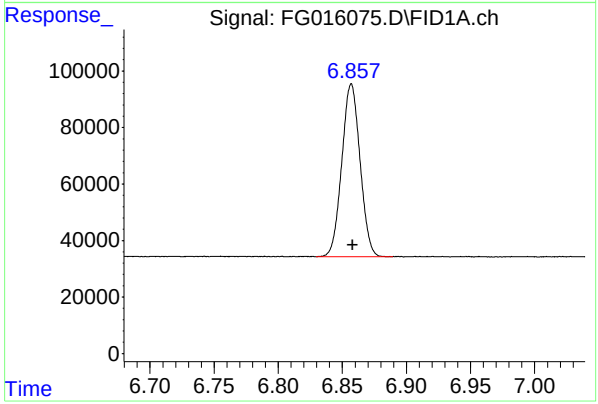
#2 n-Decane (C10)

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



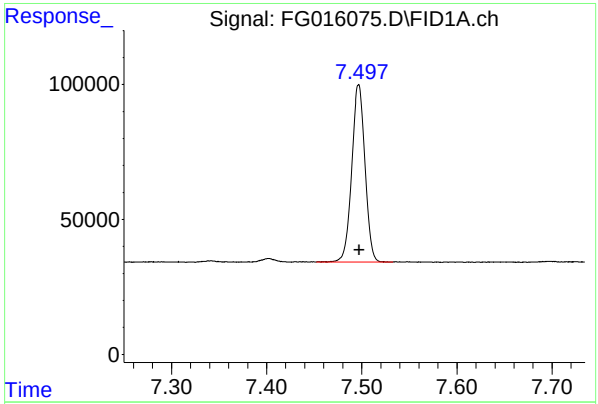
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

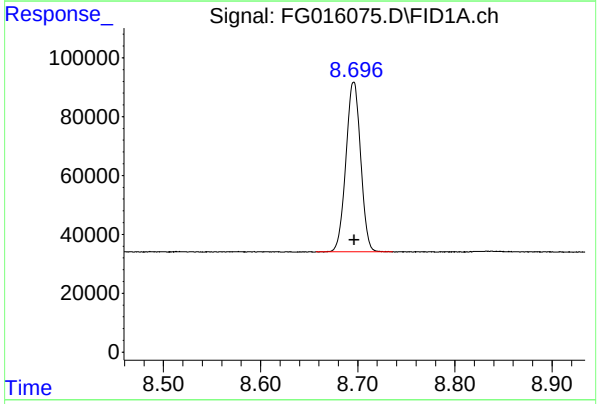
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 603165
Conc: 5.62 ug/ml



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

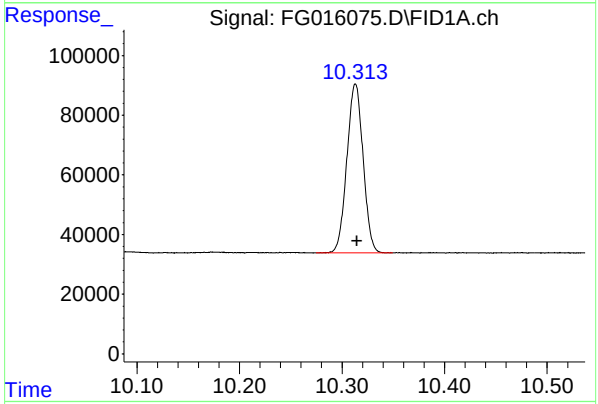
R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 638058
Conc: 5.62 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



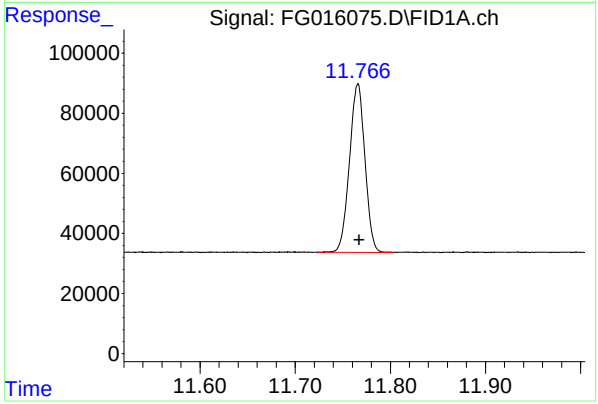
#6 n-Tetradecane (C14)

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



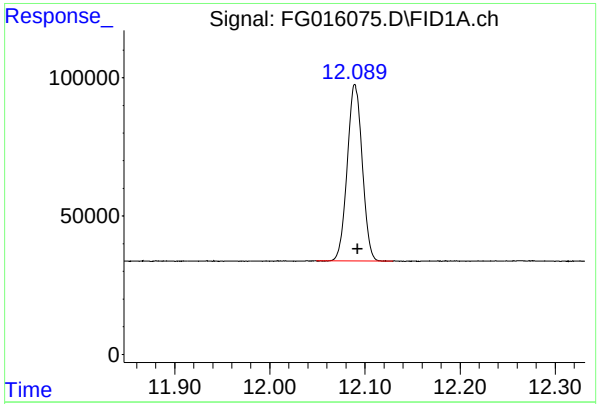
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

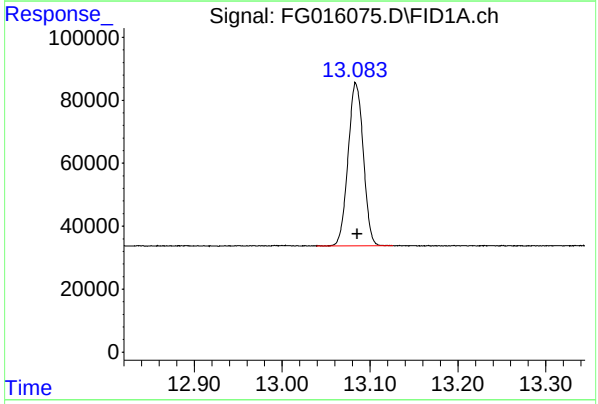
R.T.: 11.766 min
Delta R.T.: -0.001 min
Response: 638246
Conc: 5.64 ug/ml



#9 ortho-Terphenyl (SURR)

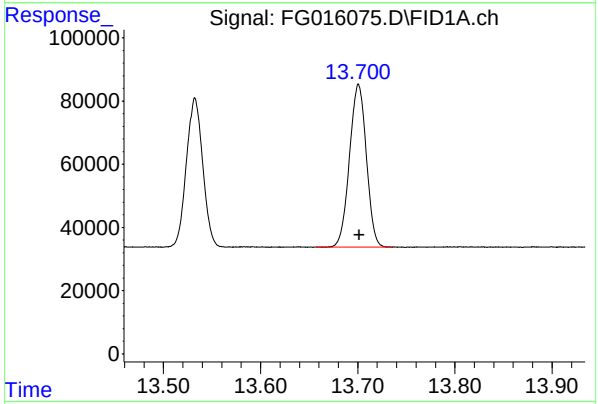
R.T.: 12.089 min
Delta R.T.: -0.003 min
Response: 705923
Conc: 5.62 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



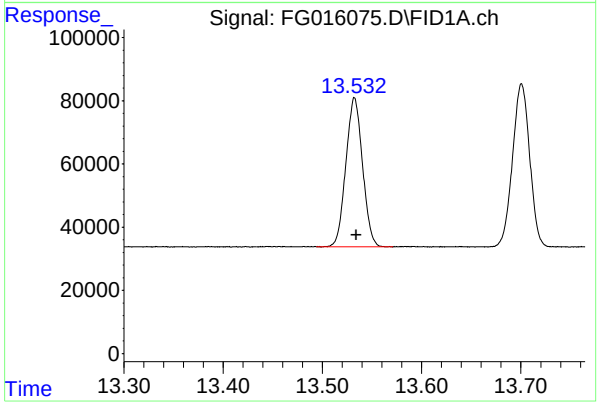
#10 n-Eicosane (C20)

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



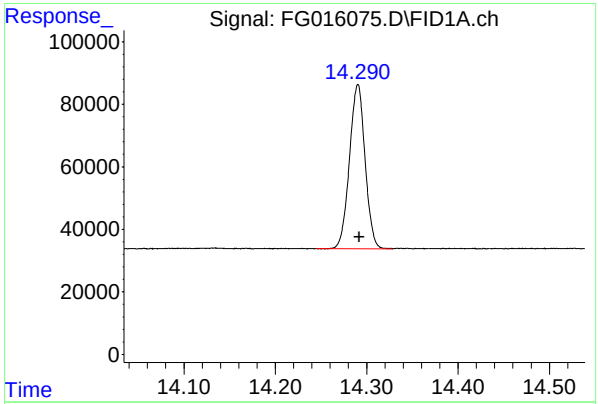
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

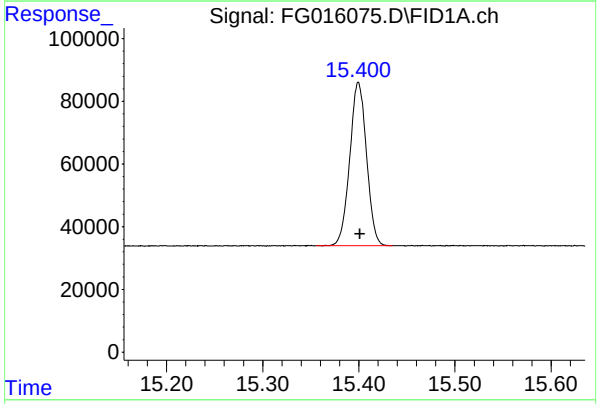
R.T.: 13.532 min
Delta R.T.: -0.002 min
Response: 550881
Conc: 5.62 ug/ml



#13 n-Docosane (C22)

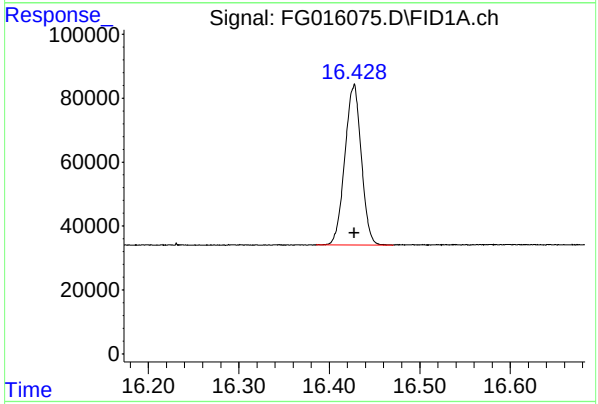
R.T.: 14.290 min
Delta R.T.: -0.001 min
Response: 622270
Conc: 5.63 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



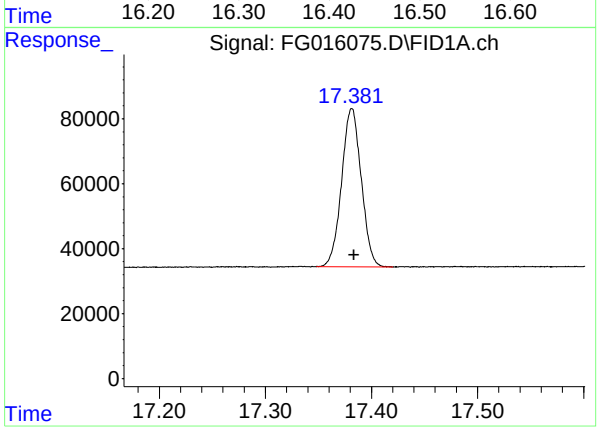
#14 n-Tetracosane (C24)

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



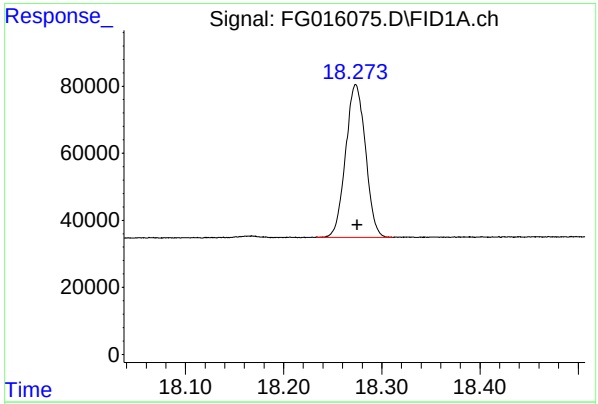
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

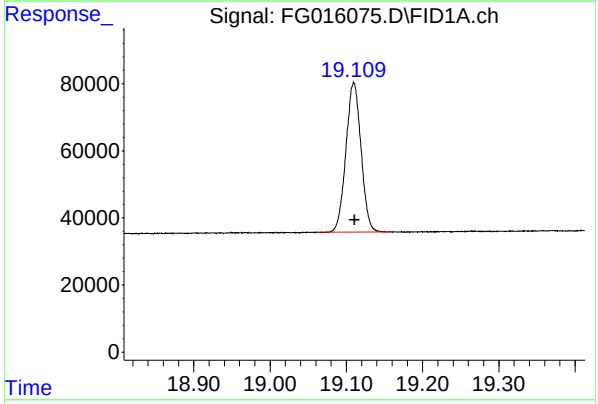
R.T.: 17.382 min
Delta R.T.: -0.002 min
Response: 626234
Conc: 5.65 ug/ml



#17 n-Tricontane (C30)

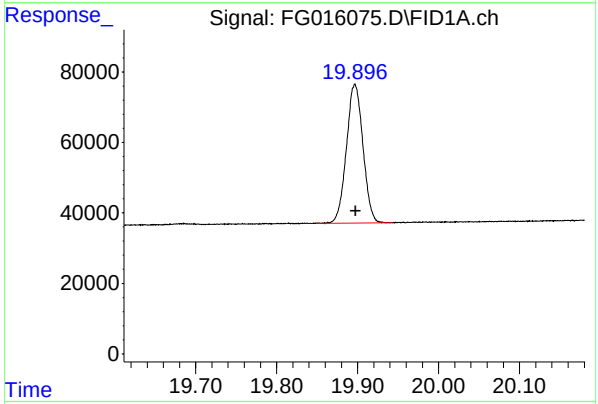
R.T.: 18.273 min
Delta R.T.: -0.002 min
Response: 640242
Conc: 5.71 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



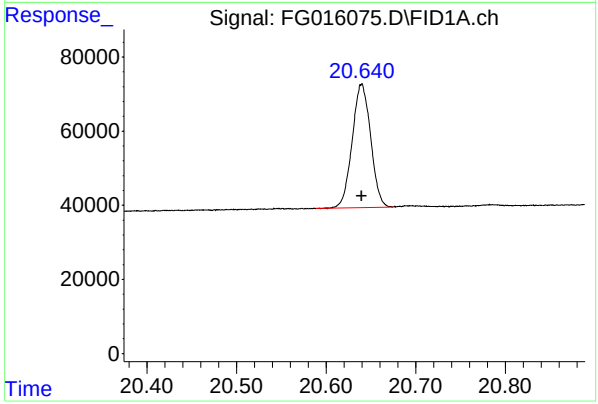
#18 n-Dotriacontane (C32)

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



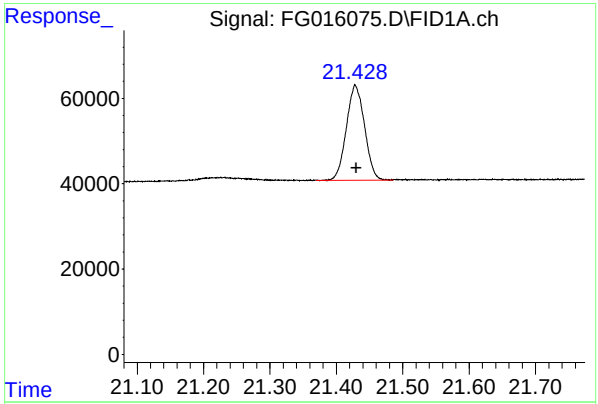
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

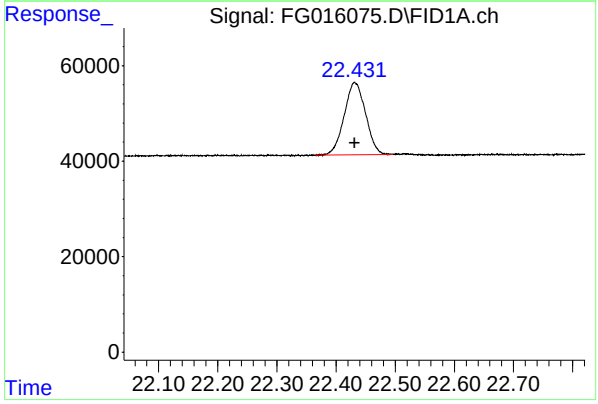
R.T.: 20.640 min
Delta R.T.: 0.000 min
Response: 476929
Conc: 5.69 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.422	3.392	3.460	BB	61497	595428	84.35%	4.557%
2	4.680	4.648	4.714	BB	62269	602565	85.36%	4.612%
3	6.396	6.368	6.434	BB	70068	656045	92.93%	5.021%
4	6.857	6.830	6.890	BB	61239	603165	85.44%	4.616%
5	7.497	7.452	7.533	BB	65733	638058	90.39%	4.883%
6	8.696	8.657	8.736	BB	57684	604003	85.56%	4.623%
7	10.313	10.275	10.350	BB	56682	622758	88.22%	4.766%
8	11.766	11.722	11.803	BB	56123	638246	90.41%	4.885%
9	12.089	12.049	12.130	BB	63796	705923	100.00%	5.403%
10	13.084	13.039	13.126	BB	51725	621489	88.04%	4.756%
11	13.532	13.494	13.571	BB	47277	550881	78.04%	4.216%
12	13.701	13.657	13.736	BB	51653	620307	87.87%	4.747%
13	14.290	14.245	14.329	BB	52525	622270	88.15%	4.762%
14	15.400	15.355	15.435	BB	52156	632301	89.57%	4.839%
15	16.427	16.385	16.470	BB	49652	632980	89.67%	4.844%
16	17.382	17.348	17.420	BB	48741	626234	88.71%	4.793%
17	18.274	18.233	18.311	BB	45558	640242	90.70%	4.900%
18	19.110	19.060	19.161	BB	44682	615463	87.19%	4.710%
19	19.897	19.849	19.944	BB	39516	558031	79.05%	4.271%
20	20.640	20.589	20.675	BB	33201	476929	67.56%	3.650%
21	21.428	21.370	21.485	BB	22295	423048	59.93%	3.238%
22	22.431	22.366	22.496	BB	15228	380088	53.84%	2.909%
			Sum of corrected areas:			13066454		

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

Quantitation Report (QT Reviewed)

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

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

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

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.092	2567824	19.902 ug/ml
Spiked Amount	50.000		Recovery =	39.80%
12) S	1-chlorooctadecane (S...	13.535	2004431	19.892 ug/ml
Spiked Amount	50.000		Recovery =	39.78%
	Target Compounds			
1) T	n-Nonane (C9)	3.421	2150053	19.872 ug/ml
2) T	n-Decane (C10)	4.679	2180482	19.878 ug/ml
3) T	A~Naphthalene (C11.7)	6.396	2378221	19.905 ug/ml
4) T	n-Dodecane (C12)	6.858	2189329	19.883 ug/ml
5) T	A~2-methylnaphthalene...	7.497	2315022	19.904 ug/ml
6) T	n-Tetradecane (C14)	8.697	2181040	19.860 ug/ml
7) T	n-Hexadecane (C16)	10.315	2260732	19.861 ug/ml
8) T	n-Octadecane (C18)	11.768	2313229	19.871 ug/ml
10) T	n-Eicosane (C20)	13.086	2264403	19.896 ug/ml
11) T	n-Heneicosane (C21)	13.702	2251669	19.889 ug/ml
13) T	n-Docosane (C22)	14.293	2260832	19.887 ug/ml
14) T	n-Tetracosane (C24)	15.402	2298513	19.933 ug/ml
15) T	n-Hexacosane (C26)	16.429	2295139	19.944 ug/ml
16) T	n-Octacosane (C28)	17.383	2262244	19.933 ug/ml
17) T	n-Tricontane (C30)	18.275	2280889	19.922 ug/ml
18) T	n-Dotriacontane (C32)	19.112	2171208	19.914 ug/ml
19) T	n-Tetratriacontane (C34)	19.899	1971723	19.930 ug/ml
20) T	n-Hexatriacontane (C36)	20.641	1693739	19.955 ug/ml
21) T	n-Octatriacontane (C38)	21.431	1505383	19.941 ug/ml
22) T	n-Tetracontane (C40)	22.436	1382050	19.987 ug/ml

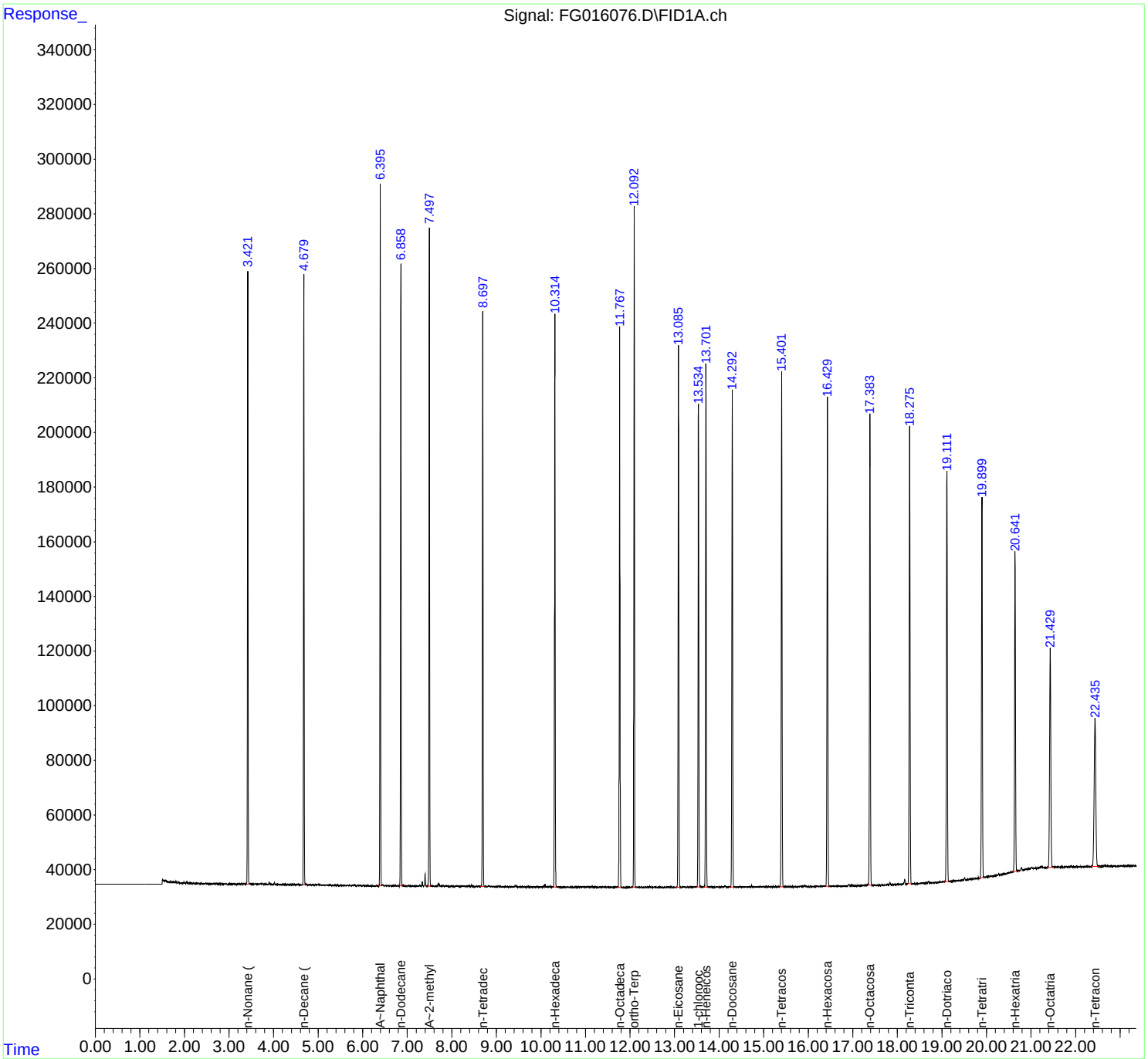
(f)=RT Delta > 1/2 Window (m)=manual int.

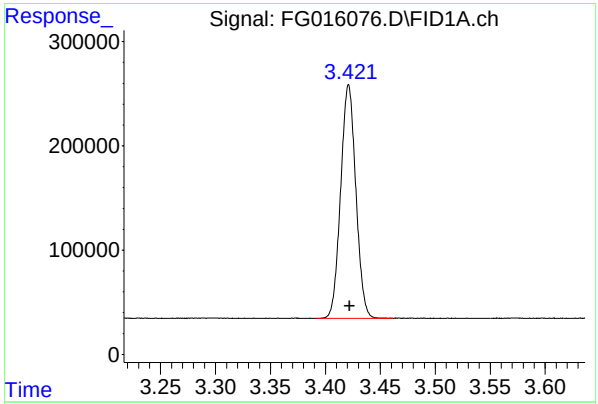
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016076.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 16:31
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

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

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

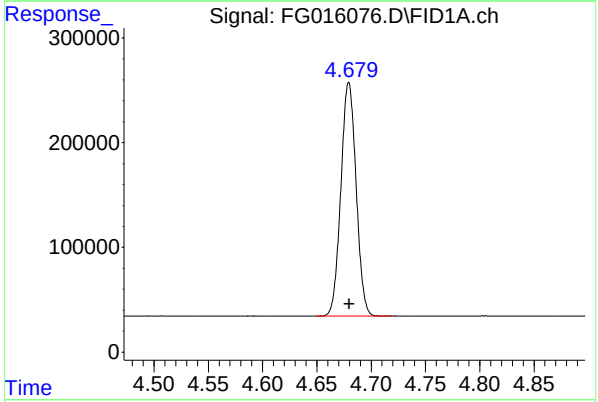




#1 n-Nonane (C9)

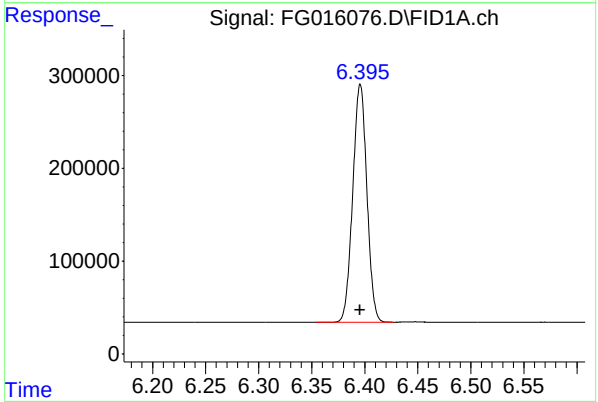
R.T.: 3.421 min
Delta R.T.: 0.000 min
Response: 2150053
Conc: 19.87 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



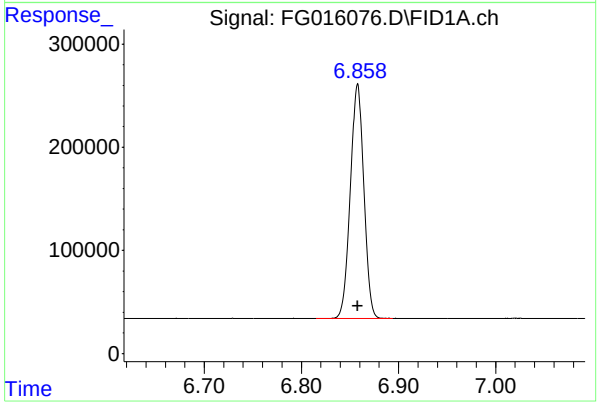
#2 n-Decane (C10)

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



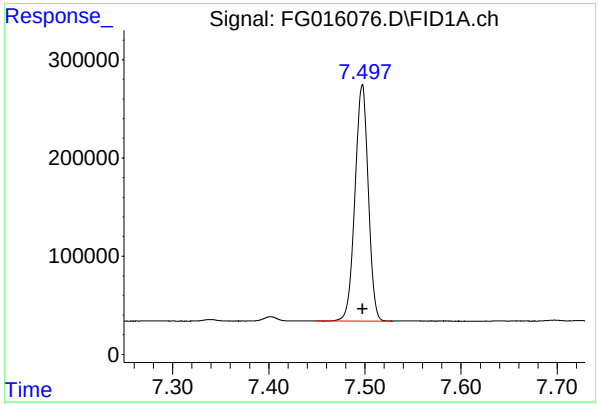
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

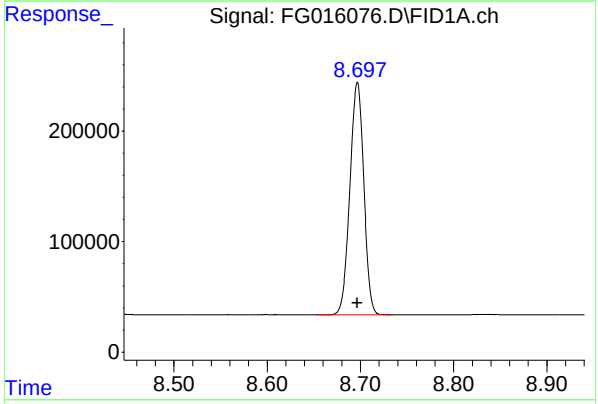
R.T.: 6.858 min
Delta R.T.: 0.000 min
Response: 2189329
Conc: 19.88 ug/ml



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

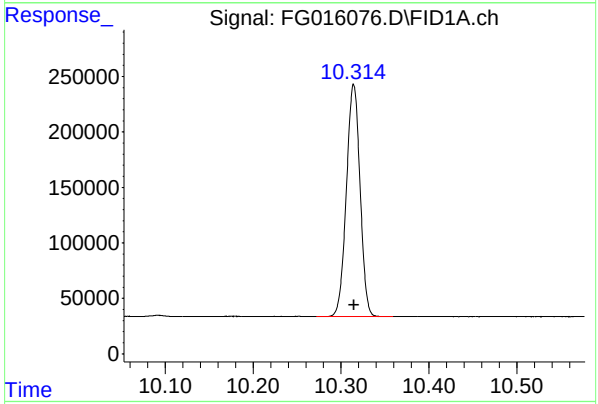
R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 2315022
Conc: 19.90 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



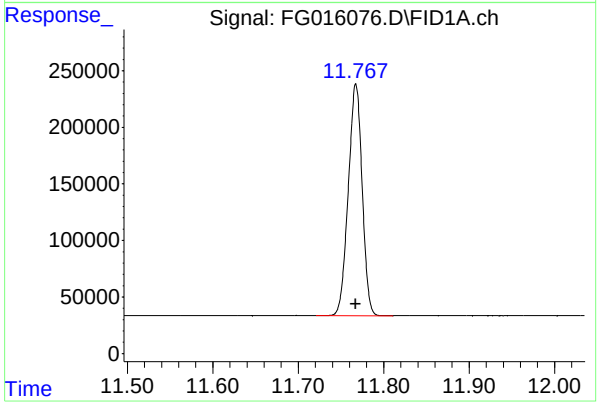
#6 n-Tetradecane (C14)

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



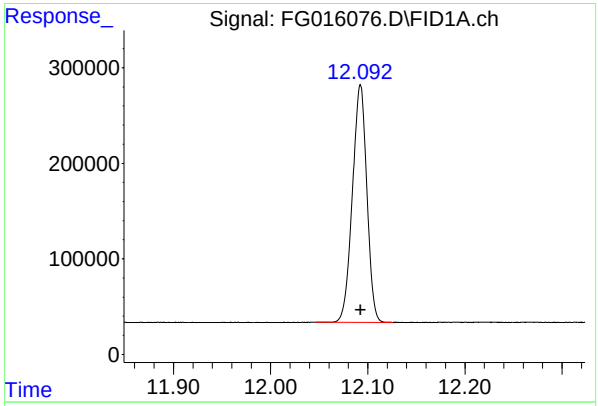
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

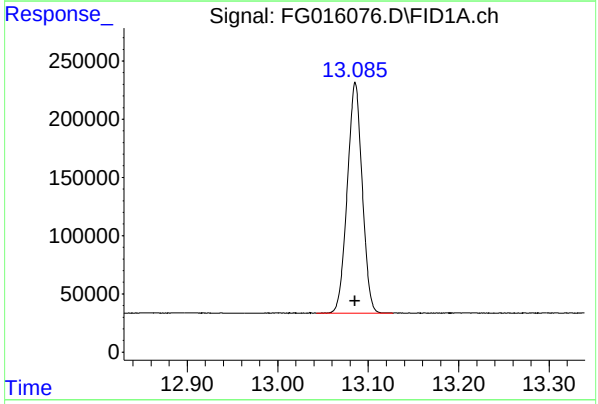
R.T.: 11.768 min
Delta R.T.: 0.000 min
Response: 2313229
Conc: 19.87 ug/ml



#9 ortho-Terphenyl (SURR)

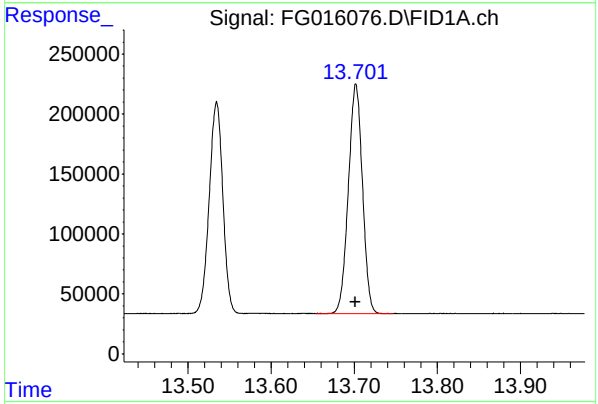
R.T.: 12.092 min
Delta R.T.: 0.000 min
Response: 2567824
Conc: 19.90 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



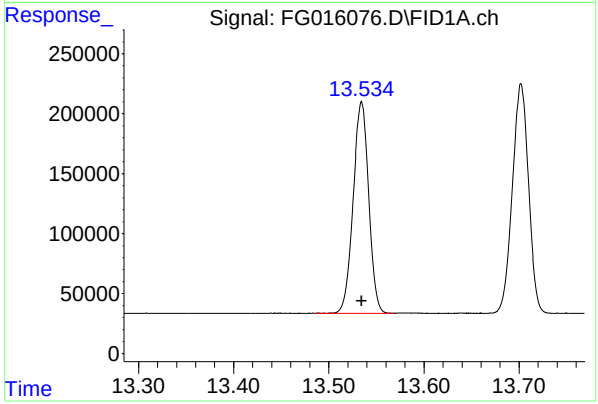
#10 n-Eicosane (C20)

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



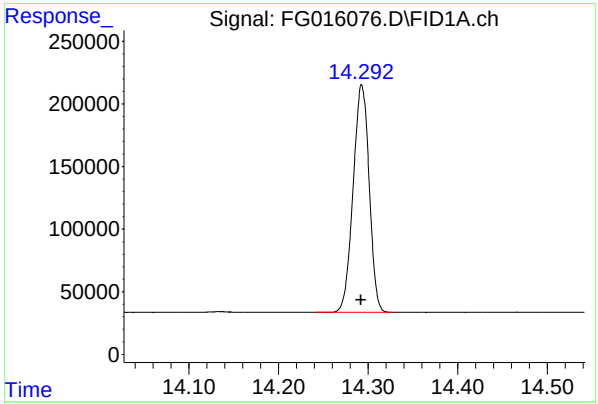
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

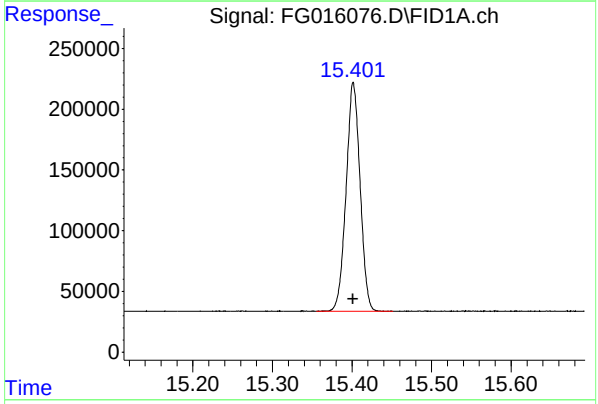
R.T.: 13.535 min
Delta R.T.: 0.000 min
Response: 2004431
Conc: 19.89 ug/ml



#13 n-Docosane (C22)

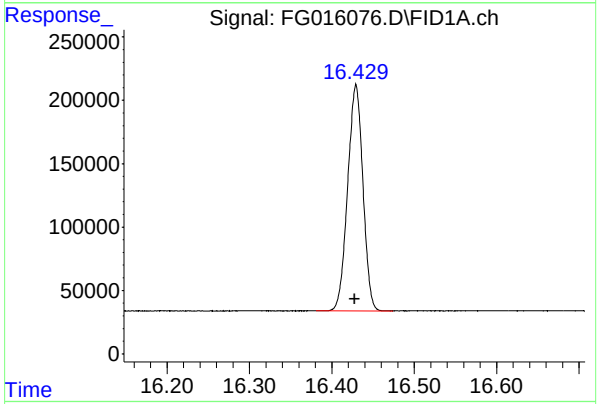
R.T.: 14.293 min
Delta R.T.: 0.000 min
Response: 2260832
Conc: 19.89 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



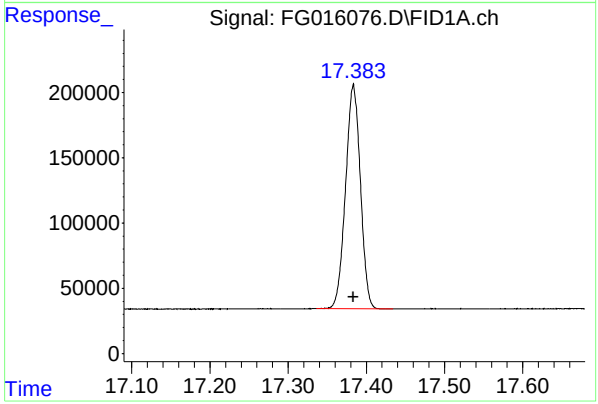
#14 n-Tetracosane (C24)

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



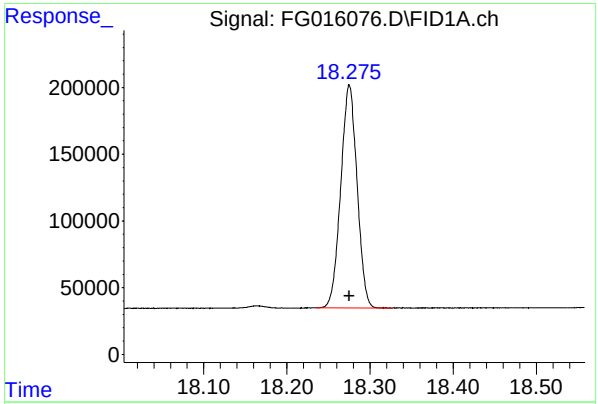
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

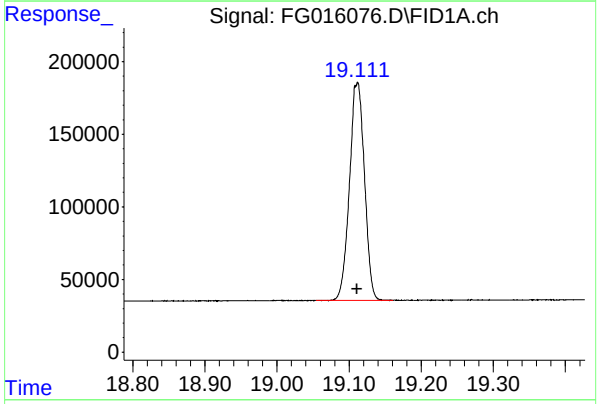
R.T.: 17.383 min
Delta R.T.: 0.000 min
Response: 2262244
Conc: 19.93 ug/ml



#17 n-Tricontane (C30)

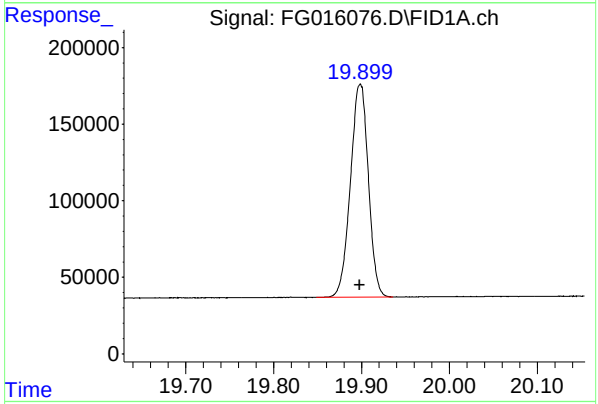
R.T.: 18.275 min
Delta R.T.: 0.000 min
Response: 2280889
Conc: 19.92 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



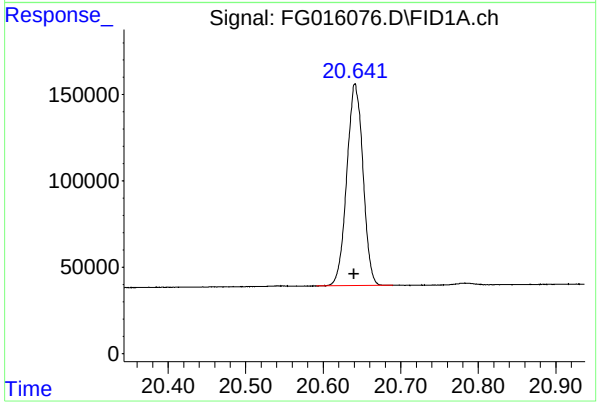
#18 n-Dotriacontane (C32)

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



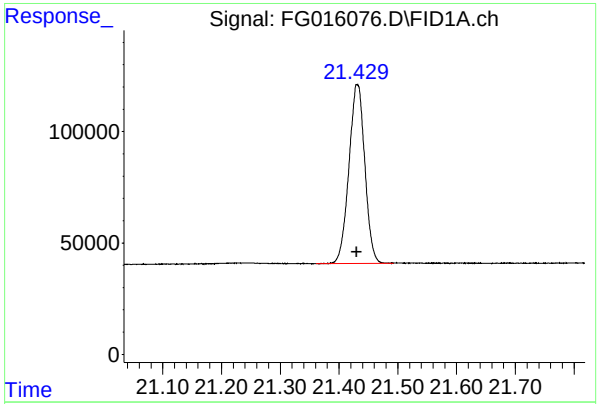
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

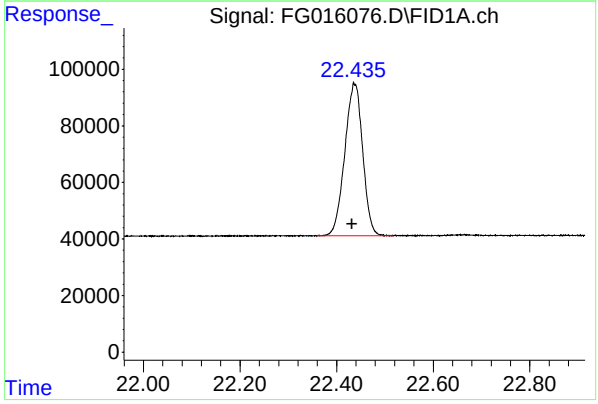
R.T.: 20.641 min
Delta R.T.: 0.001 min
Response: 1693739
Conc: 19.95 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.421	3.392	3.462	BB	224170	2150053	83.73%	4.557%
2	4.679	4.649	4.720	BB	223134	2180482	84.92%	4.622%
3	6.396	6.354	6.427	BB	256642	2378221	92.62%	5.041%
4	6.858	6.815	6.894	BB	227162	2189329	85.26%	4.641%
5	7.497	7.449	7.529	BB	240781	2315022	90.15%	4.907%
6	8.697	8.652	8.735	BB	210461	2181040	84.94%	4.623%
7	10.315	10.272	10.359	BB	209250	2260732	88.04%	4.792%
8	11.768	11.721	11.811	BB	204807	2313229	90.09%	4.903%
9	12.092	12.047	12.126	BB	248620	2567824	100.00%	5.443%
10	13.086	13.043	13.128	BB	197777	2264403	88.18%	4.800%
11	13.535	13.487	13.568	BB	176385	2004431	78.06%	4.249%
12	13.702	13.654	13.747	BB	191654	2251669	87.69%	4.773%
13	14.293	14.242	14.328	BB	181842	2260832	88.04%	4.792%
14	15.402	15.355	15.452	BB	188413	2298513	89.51%	4.872%
15	16.429	16.381	16.474	BB	178837	2295139	89.38%	4.865%
16	17.383	17.336	17.434	BB	171759	2262244	88.10%	4.795%
17	18.275	18.235	18.328	BB	167252	2280889	88.83%	4.835%
18	19.112	19.054	19.161	BB	150243	2171208	84.55%	4.602%
19	19.899	19.848	19.936	BB	138997	1971723	76.79%	4.179%
20	20.641	20.591	20.690	BB	116814	1693739	65.96%	3.590%
21	21.431	21.361	21.492	BB	80078	1505383	58.62%	3.191%
22	22.436	22.358	22.517	BB	53575	1382050	53.82%	2.929%
			Sum of corrected areas:			47178153		

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

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

Continuing Calibration Report for SequenceID : FE070725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE054714.D**						
Aliphatic C9-C12	7981359.000	60.000	3.322	6.953	133022.650	136055.079	2.229
Aliphatic C12-C16	5466819.000	40.000	6.954	10.404	136670.475	140568.128	2.773
Aliphatic C16-C21	7910196.000	60.000	10.405	13.782	131836.600	144393.643	8.696
Aliphatic C21-C28	9839779.000	80.000	13.783	17.452	122997.238	144651.717	14.970
Aliphatic C28-C40	14156555.000	120.000	17.453	22.469	117971.292	138647.492	14.913
Aliphatic EPH	45354708.000	360.000	3.322	22.469	125985.300	140720.791	10.471

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:	07 Jul 2025 20:35
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054714.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.322	6.953	7981359.000	60.000	ug/ml
Aliphatic C12-C16	6.954	10.404	5466819.000	40.000	ug/ml
Aliphatic C16-C21	10.405	13.782	7910196.000	60.000	ug/ml
Aliphatic C21-C28	13.783	17.452	9839779.000	80.000	ug/ml
Aliphatic C28-C40	17.453	22.469	14156555.000	120.000	ug/ml
Aliphatic EPH	3.322	22.469	45354708.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054714.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 20:35
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

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

Integration File: autoint1.e
Quant Time: Jul 08 03:55:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	12.080	2964443	18.255 ug/ml
	Spiked Amount 50.000		Recovery = 36.51%	
12)	S 1-chlorooctadecane (S...	13.517	2259273	17.889 ug/ml
	Spiked Amount 50.000		Recovery = 35.78%	
	Target Compounds			
1)	T n-Nonane (C9)	3.422	2610456	19.407 ug/ml
2)	T n-Decane (C10)	4.679	2666956	19.545 ug/ml
3)	T A~Naphthalene (C11.7)	6.396	2957694	19.534 ug/ml
4)	T n-Dodecane (C12)	6.854	2703947	19.707 ug/ml
5)	T A~2-methylnaphthalene...	7.497	2865104	19.490 ug/ml
6)	T n-Tetradecane (C14)	8.691	2709478	19.545 ug/ml
7)	T n-Hexadecane (C16)	10.306	2757341	19.348 ug/ml
8)	T n-Octadecane (C18)	11.755	2749895	18.764 ug/ml
10)	T n-Eicosane (C20)	13.069	2608676	18.142 ug/ml
11)	T n-Heneicosane (C21)	13.683	2551625	17.864 ug/ml
13)	T n-Docosane (C22)	14.272	2519010	17.642 ug/ml
14)	T n-Tetracosane (C24)	15.377	2488855	17.121 ug/ml
15)	T n-Hexacosane (C26)	16.401	2435529	16.830 ug/ml
16)	T n-Octacosane (C28)	17.353	2396385	16.443 ug/ml
17)	T n-Tricontane (C30)	18.242	2552151	16.196 ug/mlm
18)	T n-Dotriacontane (C32)	19.074	2592263	16.023 ug/mlm
19)	T n-Tetratriacontane (C34)	19.862	2491346	16.348 ug/mlm
20)	T n-Hexatriacontane (C36)	20.601	2205568	16.404 ug/mlm
21)	T n-Octatriacontane (C38)	21.382	2237488	19.078 ug/ml
22)	T n-Tetracontane (C40)	22.373	2077739	19.170 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054714.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 20:35
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

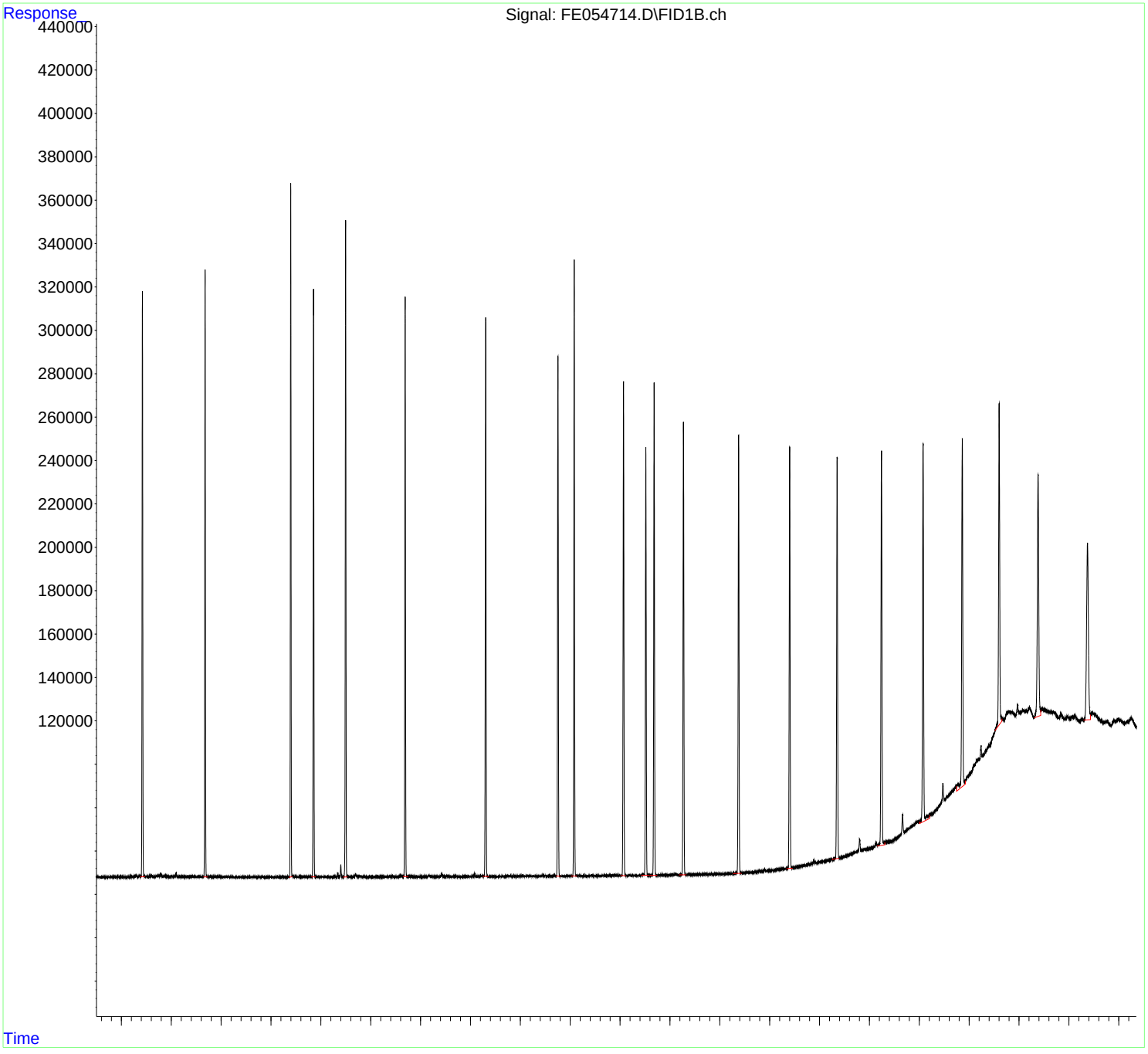
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

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

Integration File: autoint1.e
Quant Time: Jul 08 03:55:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD

Area Percent Report

Manual IntegrationsAPPROVED

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE07072
Data File : FE054714.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 20:35
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.422	3.379	3.472	BB	269772	2610456	88.06%	4.600%
2	4.679	4.645	4.730	BB	279412	2666956	89.96%	4.700%
3	6.396	6.364	6.429	BV	319116	2957694	99.77%	5.212%
4	6.854	6.810	6.884	BB	270468	2703947	91.21%	4.765%
5	7.497	7.445	7.530	BB	302499	2865104	96.65%	5.049%
6	8.691	8.650	8.749	BB	267265	2709478	91.40%	4.775%
7	10.306	10.249	10.364	BB	258301	2757341	93.01%	4.859%
8	11.755	11.717	11.804	BB	239642	2749895	92.76%	4.846%
9	12.080	12.017	12.130	BB	284132	2964443	100.00%	5.224%
10	13.069	13.012	13.115	BB	227670	2608676	88.00%	4.597%
11	13.517	13.429	13.580	BB	196994	2259273	76.21%	3.981%
12	13.683	13.594	13.742	BB	225654	2551625	86.07%	4.497%
13	14.272	14.184	14.325	BB	206722	2519010	84.97%	4.439%
14	15.377	15.270	15.437	BB	202248	2488855	83.96%	4.386%
15	16.401	16.342	16.457	BB	193276	2435529	82.16%	4.292%
16	17.353	17.250	17.390	BB	185272	2396385	80.84%	4.223%
17	18.242	18.162	18.282	PB	180614	2488447	83.94%	4.385%
18	19.076	18.790	19.114	BV	172860	2455216	82.82%	4.327%
19	19.862	19.794	19.900	VV	158727	2306316	77.80%	4.064%
20	20.602	20.412	20.697	VV	152502	2936953	99.07%	5.176%
21	21.382	21.302	21.435	PV	111290	2237488	75.48%	3.943%
22	22.373	22.297	22.432	BV	81327	2077739	70.09%	3.661%
			Sum of corrected areas:			56746824		

Aliphatic EPH 062725.M Tue Jul 08 04:57:19 2025

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

Continuing Calibration Report for SequenceID : FE070725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE054724.D**						
Aliphatic C9-C12	8395385.000	60.000	3.322	6.953	139923.083	136055.079	-2.843
Aliphatic C12-C16	5847593.000	40.000	6.954	10.404	146189.825	140568.128	-3.999
Aliphatic C16-C21	8492201.000	60.000	10.405	13.782	141536.683	144393.643	1.979
Aliphatic C21-C28	11903478.000	80.000	13.783	17.452	148793.475	144651.717	-2.863
Aliphatic C28-C40	17211402.000	120.000	17.453	22.469	143428.350	138647.492	-3.448
Aliphatic EPH	51850059.000	360.000	3.322	22.469	144027.942	140720.791	-2.350

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:	08 Jul 2025 02:09
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054724.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.322	6.953	8395385.000	60.000	ug/ml
Aliphatic C12-C16	6.954	10.404	5847593.000	40.000	ug/ml
Aliphatic C16-C21	10.405	13.782	8492201.000	60.000	ug/ml
Aliphatic C21-C28	13.783	17.452	11903478.000	80.000	ug/ml
Aliphatic C28-C40	17.453	22.469	17211402.000	120.000	ug/ml
Aliphatic EPH	3.322	22.469	51850059.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054724.D
Signal(s) : FID1B.ch
Acq On : 08 Jul 2025 02:09
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

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

Integration File: autoint1.e
Quant Time: Jul 08 04:51:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.084	3147791	19.384 ug/ml
Spiked Amount	50.000		Recovery =	38.77%
12) S	1-chlorooctadecane (S...	13.520	2411627	19.095 ug/ml
Spiked Amount	50.000		Recovery =	38.19%
	Target Compounds			
1) T	n-Nonane (C9)	3.423	2707169	20.126 ug/ml
2) T	n-Decane (C10)	4.680	2812933	20.615 ug/ml
3) T	A~Naphthalene (C11.7)	6.399	3138726	20.730 ug/ml
4) T	n-Dodecane (C12)	6.856	2875283	20.956 ug/ml
5) T	A~2-methylnaphthalene...	7.500	3052441	20.764 ug/ml
6) T	n-Tetradecane (C14)	8.693	2896035	20.891 ug/ml
7) T	n-Hexadecane (C16)	10.308	2951558	20.711 ug/ml
8) T	n-Octadecane (C18)	11.758	2948816	20.121 ug/ml
10) T	n-Eicosane (C20)	13.072	2821836	19.624 ug/ml
11) T	n-Heneicosane (C21)	13.686	2721549	19.054 ug/ml
13) T	n-Docosane (C22)	14.275	2808289	19.667 ug/mlm
14) T	n-Tetracosane (C24)	15.381	2933927	20.183 ug/mlm
15) T	n-Hexacosane (C26)	16.405	3025201	20.904 ug/ml
16) T	n-Octacosane (C28)	17.357	3136061	21.518 ug/ml
17) T	n-Tricontane (C30)	18.246	3297604	20.926 ug/ml
18) T	n-Dotriacontane (C32)	19.079	3160483	19.535 ug/ml
19) T	n-Tetratriacontane (C34)	19.866	2851320	18.711 ug/ml
20) T	n-Hexatriacontane (C36)	20.605	2619657	19.483 ug/mlm
21) T	n-Octatriacontane (C38)	21.389	2666182	22.733 ug/mlm
22) T	n-Tetracontane (C40)	22.381	2616156	24.138 ug/ml

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054724.D
Signal(s) : FID1B.ch
Acq On : 08 Jul 2025 02:09
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

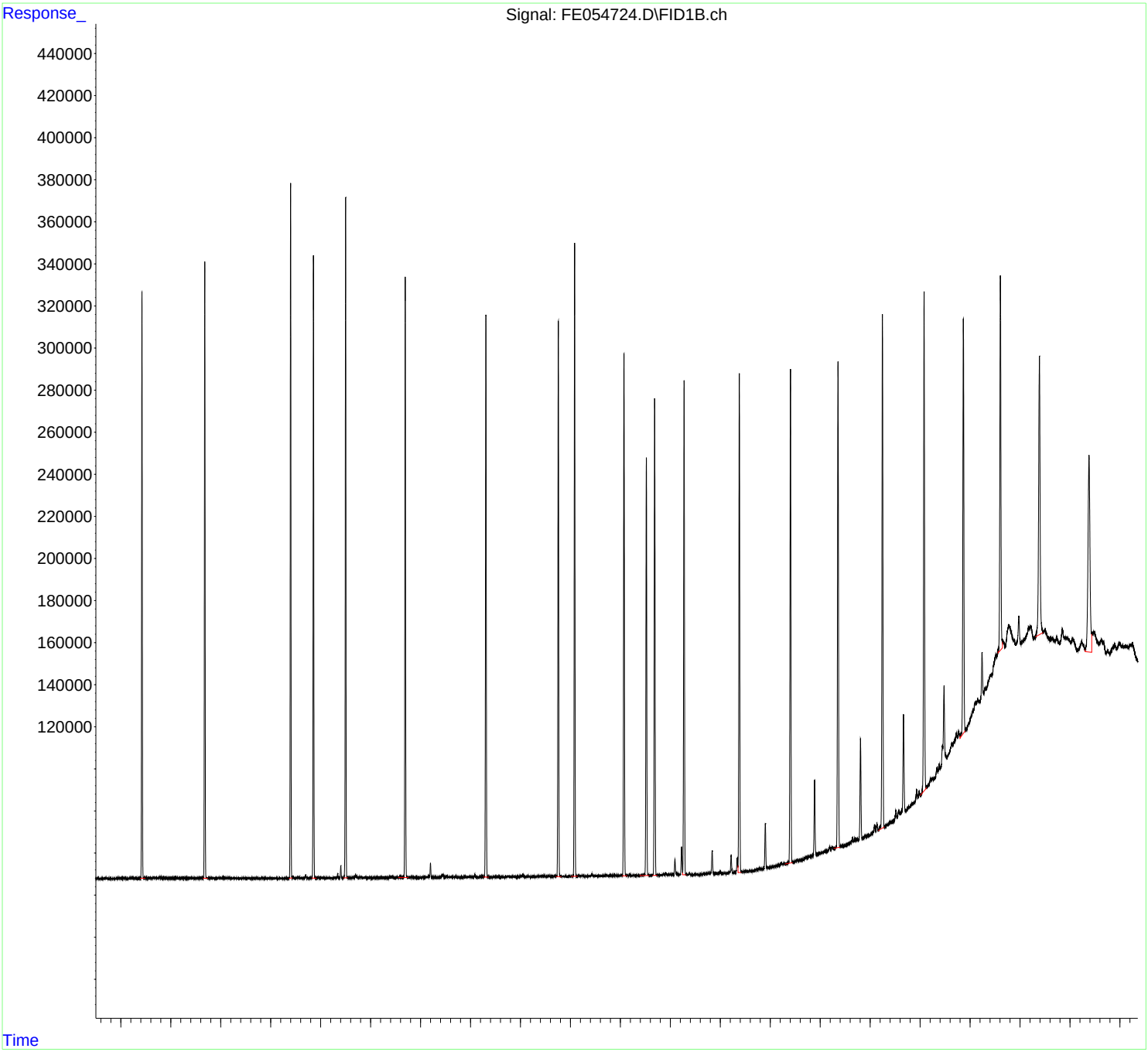
Integration File: autoint1.e
Quant Time: Jul 08 04:51:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

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



rteres

Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD

Area Percent Report

Manual IntegrationsAPPROVED

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE07072
Data File : FE054724.D
Signal(s) : FID1B.ch
Acq On : 08 Jul 2025 02:09
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.423	3.389	3.484	BB	278366	2707169	82.10%	4.183%
2	4.680	4.644	4.739	BB	293093	2812933	85.30%	4.346%
3	6.399	6.369	6.434	BV	330272	3138726	95.18%	4.849%
4	6.856	6.824	6.914	BB	295030	2875283	87.19%	4.442%
5	7.500	7.454	7.529	BB	324498	3052441	92.57%	4.716%
6	8.693	8.555	8.747	BB	284172	2896035	87.82%	4.474%
7	10.308	10.260	10.362	BB	267350	2951558	89.51%	4.560%
8	11.758	11.712	11.805	BB	263253	2948816	89.42%	4.556%
9	12.084	12.015	12.140	BB	300517	3147791	95.46%	4.863%
10	13.072	13.039	13.132	PB	248091	2821836	85.57%	4.360%
11	13.520	13.389	13.575	BB	198463	2411627	73.13%	3.726%
12	13.686	13.644	13.732	PB	226618	2721549	82.53%	4.205%
13	14.275	14.245	14.327	VB	234562	2809283	85.19%	4.340%
14	15.381	15.351	15.427	VB	236435	2938598	89.11%	4.540%
15	16.405	16.297	16.449	BV	234792	3025201	91.74%	4.674%
16	17.357	17.275	17.392	BV	230194	3136061	95.10%	4.845%
17	18.246	18.167	18.284	PV	242077	3297604	100.00%	5.095%
18	19.079	19.000	19.122	PV	236327	3160483	95.84%	4.883%
19	19.866	19.797	19.902	VV	194618	2851320	86.47%	4.405%
20	20.607	20.532	20.646	VV	185310	3284076	99.59%	5.074%
21	21.388	21.264	21.468	VV	136668	3118864	94.58%	4.819%
22	22.381	22.303	22.435	VV	93310	2616156	79.34%	4.042%
			Sum of corrected areas:			64723408		

Aliphatic EPH 062725.M Tue Jul 08 04:58:53 2025

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

Continuing Calibration Report for SequenceID : FG070725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG016226.D**						
Aliphatic EPH	36278506.000	360.000	3.313	22.561	100773.628	105812.455	4.762
Aliphatic C9-C12	6491363.000	60.000	3.313	6.958	108189.383	109333.554	1.046
Aliphatic C12-C16	4445457.000	40.000	6.959	10.419	111136.425	111824.611	0.615
Aliphatic C16-C21	6767206.000	60.000	10.420	13.811	112786.767	114479.647	1.479
Aliphatic C21-C28	8618135.000	80.000	13.812	17.498	107726.688	114390.192	5.825
Aliphatic C28-C40	9956345.000	120.000	17.499	22.561	82969.542	91995.767	9.812

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:	07 Jul 2025 10:55
Client Sample ID:		Operator:	YP\AJ
Data file:	FG016226.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.313	6.958	6491363.000	60.000	ug/ml
Aliphatic C12-C16	6.959	10.419	4445457.000	40.000	ug/ml
Aliphatic C16-C21	10.420	13.811	6767206.000	60.000	ug/ml
Aliphatic C21-C28	13.812	17.498	8618135.000	80.000	ug/ml
Aliphatic C28-C40	17.499	22.561	9956345.000	120.000	ug/ml
Aliphatic EPH	3.313	22.561	36278506.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016226.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 10:55
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File: autoint1.e
Quant Time: Jul 08 02:22:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.099	2537023	19.663 ug/ml
Spiked Amount	50.000		Recovery =	39.33%
12) S	1-chlorooctadecane (S...	13.543	1962206	19.473 ug/ml
Spiked Amount	50.000		Recovery =	38.95%
	Target Compounds			
1) T	n-Nonane (C9)	3.413	2133269	19.716 ug/ml
2) T	n-Decane (C10)	4.676	2168689	19.771 ug/ml
3) T	A~Naphthalene (C11.7)	6.396	2397156	20.063 ug/ml
4) T	n-Dodecane (C12)	6.858	2189405	19.884 ug/ml
5) T	A~2-methylnaphthalene...	7.499	2338698	20.108 ug/ml
6) T	n-Tetradecane (C14)	8.699	2180564	19.856 ug/ml
7) T	n-Hexadecane (C16)	10.319	2264893	19.897 ug/ml
8) T	n-Octadecane (C18)	11.774	2303862	19.790 ug/ml
10) T	n-Eicosane (C20)	13.095	2243464	19.712 ug/ml
11) T	n-Heneicosane (C21)	13.711	2219880	19.608 ug/ml
13) T	n-Docosane (C22)	14.302	2212662	19.464 ug/ml
14) T	n-Tetracosane (C24)	15.414	2203734	19.111 ug/ml
15) T	n-Hexacosane (C26)	16.441	2146361	18.651 ug/ml
16) T	n-Octacosane (C28)	17.398	2055378	18.111 ug/ml
17) T	n-Tricontane (C30)	18.291	2019510	17.639 ug/ml
18) T	n-Dotriacontane (C32)	19.128	1896171	17.391 ug/ml
19) T	n-Tetratriacontane (C34)	19.916	1743794	17.626 ug/mlm
20) T	n-Hexatriacontane (C36)	20.660	1564750	18.435 ug/mlm
21) T	n-Octatriacontane (C38)	21.455	1390697	18.422 ug/ml
22) T	n-Tetracontane (C40)	22.461	1341423	19.399 ug/mlm

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016226.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 10:55
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

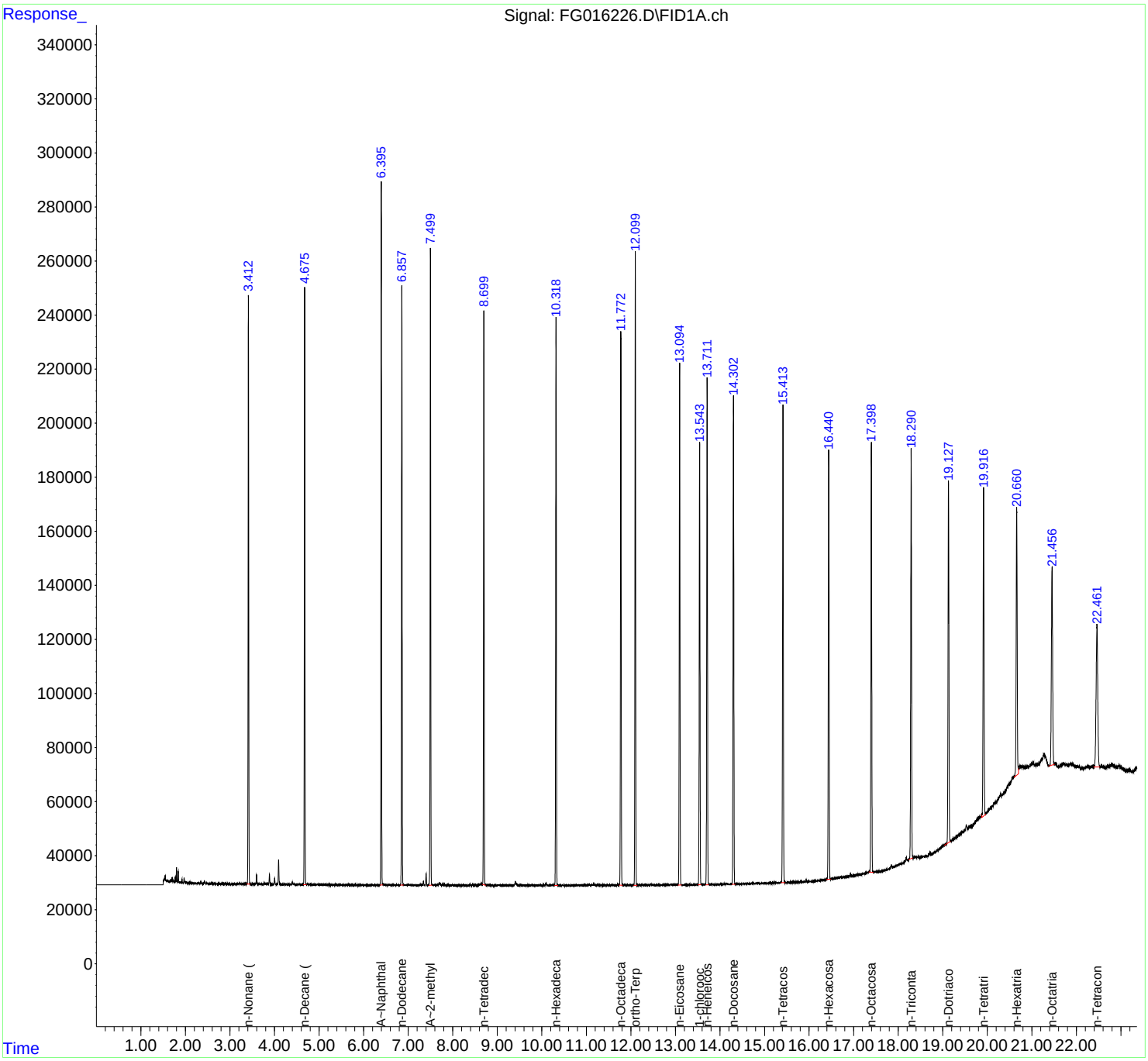
Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File: autoint1.e
Quant Time: Jul 08 02:22:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :
FID_G
LabSampleId :
20 PPM ALIPHATIC HC STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG07072
Data File : FG016226.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 10:55
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.413	3.374	3.457	BB	217726	2133269	84.09%	4.676%
2	4.676	4.642	4.714	BB	220772	2168689	85.48%	4.753%
3	6.396	6.365	6.430	BB	259345	2397156	94.49%	5.254%
4	6.858	6.825	6.898	BB	221504	2189405	86.30%	4.799%
5	7.499	7.459	7.535	BB	235386	2338698	92.18%	5.126%
6	8.699	8.665	8.737	BB	212232	2180564	85.95%	4.779%
7	10.319	10.281	10.363	BB	209205	2264893	89.27%	4.964%
8	11.774	11.733	11.818	BB	202392	2303862	90.81%	5.049%
9	12.099	12.065	12.144	BB	234619	2537023	100.00%	5.561%
10	13.095	13.059	13.140	BB	193035	2243464	88.43%	4.917%
11	13.543	13.506	13.577	BB	164018	1962206	77.34%	4.301%
12	13.711	13.675	13.748	BB	187587	2219880	87.50%	4.865%
13	14.302	14.265	14.348	BB	180680	2212662	87.21%	4.850%
14	15.414	15.369	15.455	BB	176487	2203734	86.86%	4.830%
15	16.441	16.390	16.487	BB	158683	2146361	84.60%	4.704%
16	17.398	17.347	17.447	BB	159055	2055378	81.02%	4.505%
17	18.291	18.238	18.329	BB	151572	2019510	79.60%	4.426%
18	19.128	19.031	19.176	BB	133191	1896171	74.74%	4.156%
19	19.917	19.625	19.970	BV	121394	1791544	70.62%	3.927%
20	20.660	20.311	20.696	PV	98664	1643237	64.77%	3.602%
21	21.455	21.384	21.506	BV	73571	1390697	54.82%	3.048%
22	22.462	22.351	22.522	BV	52257	1327288	52.32%	2.909%
			Sum of corrected areas:			45625692		

Aliphatic EPH 061325.M Tue Jul 08 06:11:45 2025

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

Continuing Calibration Report for SequenceID : FG070725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG016235.D**						
Aliphatic EPH	37684618.000	360.000	3.313	22.561	104679.494	105812.455	1.071
Aliphatic C9-C12	6726134.000	60.000	3.313	6.958	112102.233	109333.554	-2.532
Aliphatic C12-C16	4611275.000	40.000	6.959	10.419	115281.875	111824.611	-3.092
Aliphatic C16-C21	7009172.000	60.000	10.420	13.811	116819.533	114479.647	-2.044
Aliphatic C21-C28	8970723.000	80.000	13.812	17.498	112134.038	114390.192	1.972
Aliphatic C28-C40	10367314.000	120.000	17.499	22.561	86394.283	91995.767	6.089

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:	07 Jul 2025 19:30
Client Sample ID:		Operator:	YP\AJ
Data file:	FG016235.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.313	6.958	6726134.000	60.000	ug/ml
Aliphatic C12-C16	6.959	10.419	4611275.000	40.000	ug/ml
Aliphatic C16-C21	10.420	13.811	7009172.000	60.000	ug/ml
Aliphatic C21-C28	13.812	17.498	8970723.000	80.000	ug/ml
Aliphatic C28-C40	17.499	22.561	10367314.000	120.000	ug/ml
Aliphatic EPH	3.313	22.561	37684618.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016235.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 19:30
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Jul 08 02:24:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	12.095	2621963	20.321 ug/ml
Spiked Amount	50.000		Recovery =	40.64%
12)	S 1-chlorooctadecane (S...	13.538	2037148	20.217 ug/ml
Spiked Amount	50.000		Recovery =	40.43%
	Target Compounds			
1)	T n-Nonane (C9)	3.413	2210679	20.432 ug/ml
2)	T n-Decane (C10)	4.675	2248181	20.495 ug/ml
3)	T A~Naphthalene (C11.7)	6.393	2479156	20.749 ug/ml
4)	T n-Dodecane (C12)	6.855	2267274	20.591 ug/ml
5)	T A~2-methylnaphthalene...	7.496	2415754	20.770 ug/ml
6)	T n-Tetradecane (C14)	8.696	2264981	20.625 ug/ml
7)	T n-Hexadecane (C16)	10.316	2346294	20.612 ug/ml
8)	T n-Octadecane (C18)	11.770	2387002	20.504 ug/ml
10)	T n-Eicosane (C20)	13.090	2323279	20.413 ug/ml
11)	T n-Heneicosane (C21)	13.706	2298891	20.306 ug/ml
13)	T n-Docosane (C22)	14.297	2294268	20.182 ug/ml
14)	T n-Tetracosane (C24)	15.409	2286783	19.831 ug/ml
15)	T n-Hexacosane (C26)	16.437	2235019	19.422 ug/ml
16)	T n-Octacosane (C28)	17.392	2154653	18.985 ug/ml
17)	T n-Tricontane (C30)	18.286	2138092	18.675 ug/ml
18)	T n-Dotriacontane (C32)	19.125	2011246	18.447 ug/ml
19)	T n-Tetratriacontane (C34)	19.913	1823084	18.427 ug/ml
20)	T n-Hexatriacontane (C36)	20.658	1575984	18.567 ug/ml
21)	T n-Octatriacontane (C38)	21.449	1438851	19.060 ug/ml
22)	T n-Tetracontane (C40)	22.454	1380057	19.958 ug/ml

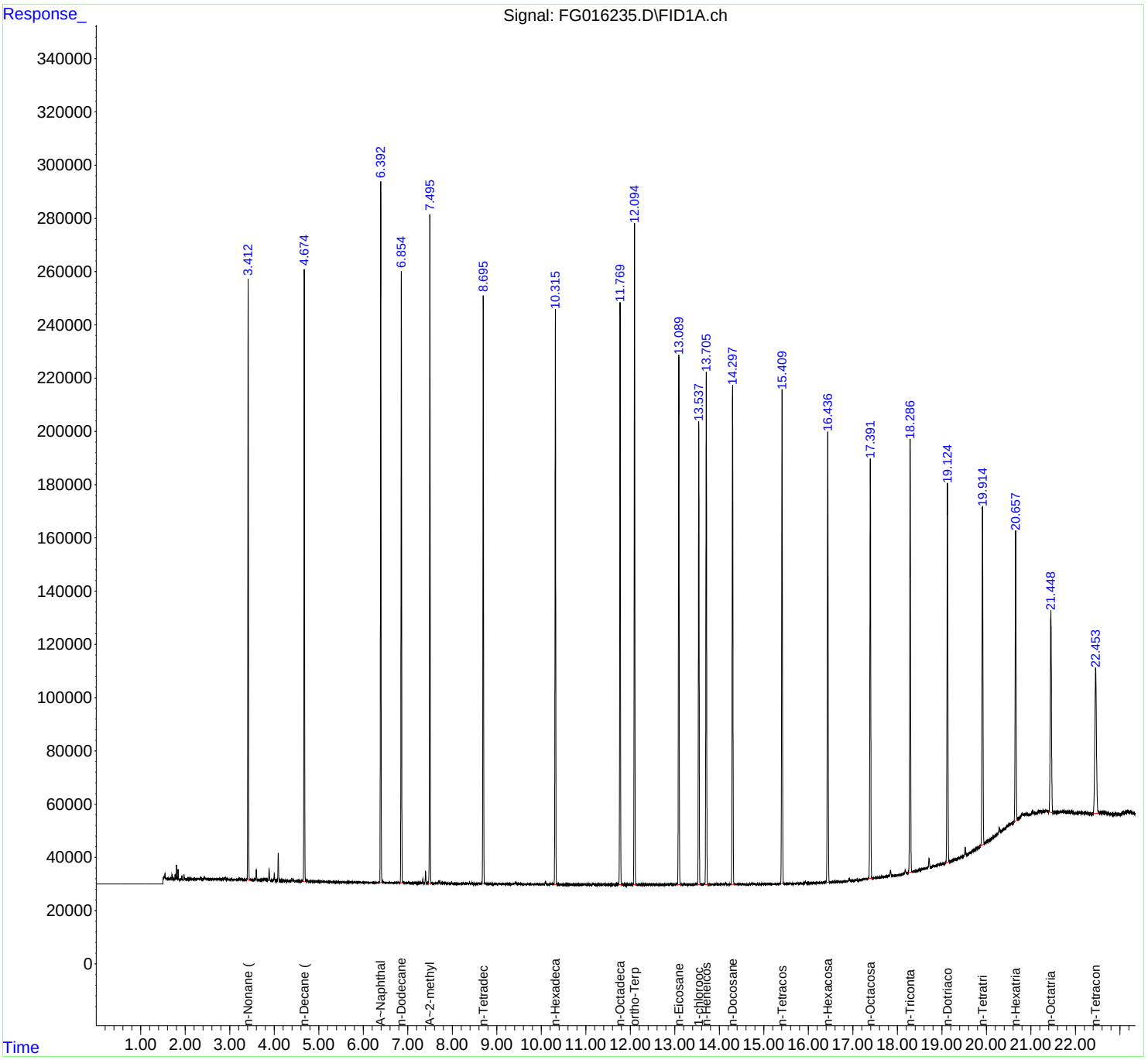
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016235.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 19:30
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Jul 08 02:24:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016235.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 19:30
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.413	3.374	3.455	BB	225539	2210679	84.31%	4.680%
2	4.675	4.631	4.715	BB	229625	2248181	85.74%	4.759%
3	6.393	6.350	6.430	BB	263013	2479156	94.55%	5.248%
4	6.855	6.813	6.895	BB	229120	2267274	86.47%	4.800%
5	7.496	7.457	7.527	BB	251440	2415754	92.14%	5.114%
6	8.696	8.662	8.735	BB	220654	2264981	86.38%	4.795%
7	10.316	10.283	10.361	BB	216044	2346294	89.49%	4.967%
8	11.770	11.730	11.805	BB	216156	2387002	91.04%	5.053%
9	12.095	12.061	12.136	BB	247802	2621963	100.00%	5.550%
10	13.090	13.050	13.137	BB	198476	2323279	88.61%	4.918%
11	13.538	13.503	13.586	BB	173663	2037148	77.70%	4.312%
12	13.706	13.669	13.746	BB	191911	2298891	87.68%	4.867%
13	14.297	14.259	14.341	BB	186695	2294268	87.50%	4.857%
14	15.409	15.372	15.449	BB	185337	2286783	87.22%	4.841%
15	16.437	16.390	16.481	BB	169162	2235019	85.24%	4.731%
16	17.392	17.344	17.435	BB	156048	2154653	82.18%	4.561%
17	18.286	18.234	18.329	BB	162749	2138092	81.55%	4.526%
18	19.125	19.073	19.178	BB	142263	2011246	76.71%	4.258%
19	19.913	19.856	19.950	BB	126317	1823084	69.53%	3.859%
20	20.658	20.605	20.692	BB	108969	1575984	60.11%	3.336%
21	21.449	21.386	21.515	BB	75806	1438851	54.88%	3.046%
22	22.454	22.380	22.539	BB	54719	1380057	52.63%	2.921%
			Sum of corrected areas:			47238639		

Aliphatic EPH 061325.M Tue Jul 08 06:14:38 2025

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

Continuing Calibration Report for SequenceID : FG070825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG016238.D**						
Aliphatic C9-C12	6761365.000	60.000	3.312	6.954	112689.417	109333.554	-3.069
Aliphatic C12-C16	4654830.000	40.000	6.955	10.414	116370.750	111824.611	-4.065
Aliphatic C16-C21	7097103.000	60.000	10.415	13.806	118285.050	114479.647	-3.324
Aliphatic C21-C28	9336915.000	80.000	13.807	17.493	116711.438	114390.192	-2.029
Aliphatic C28-C40	10633567.000	120.000	17.494	22.553	88613.058	91995.767	3.677
Aliphatic EPH	38483780.000	360.000	3.312	22.553	106899.389	105812.455	-1.027

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:	08 Jul 2025 10:17
Client Sample ID:		Operator:	YP\AJ
Data file:	FG016238.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.312	6.954	6761365.000	60.000	ug/ml
Aliphatic C12-C16	6.955	10.414	4654830.000	40.000	ug/ml
Aliphatic C16-C21	10.415	13.806	7097103.000	60.000	ug/ml
Aliphatic C21-C28	13.807	17.493	9336915.000	80.000	ug/ml
Aliphatic C28-C40	17.494	22.553	10633567.000	120.000	ug/ml
Aliphatic EPH	3.312	22.553	38483780.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070825AL\
Data File : FG016238.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 10:17
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/09/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File: autoint1.e
Quant Time: Jul 09 03:56:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	12.093	2647798	20.522 ug/ml
Spiked Amount	50.000		Recovery =	41.04%
12)	S 1-chlorooctadecane (S...	13.538	2051257	20.357 ug/ml
Spiked Amount	50.000		Recovery =	40.71%
	Target Compounds			
1)	T n-Nonane (C9)	3.412	2218230	20.502 ug/ml
2)	T n-Decane (C10)	4.674	2258149	20.586 ug/ml
3)	T A~Naphthalene (C11.7)	6.391	2494547	20.878 ug/ml
4)	T n-Dodecane (C12)	6.854	2284986	20.752 ug/ml
5)	T A~2-methylnaphthalene...	7.495	2433511	20.923 ug/ml
6)	T n-Tetradecane (C14)	8.695	2286993	20.825 ug/ml
7)	T n-Hexadecane (C16)	10.314	2367837	20.801 ug/ml
8)	T n-Octadecane (C18)	11.769	2415807	20.752 ug/ml
10)	T n-Eicosane (C20)	13.089	2356961	20.709 ug/ml
11)	T n-Heneicosane (C21)	13.706	2324335	20.531 ug/ml
13)	T n-Docosane (C22)	14.297	2347738	20.652 ug/ml
14)	T n-Tetracosane (C24)	15.409	2378792	20.629 ug/ml
15)	T n-Hexacosane (C26)	16.436	2345150	20.379 ug/ml
16)	T n-Octacosane (C28)	17.393	2265235	19.960 ug/ml
17)	T n-Tricontane (C30)	18.286	2218425	19.377 ug/ml
18)	T n-Dotriacontane (C32)	19.124	2072531	19.009 ug/ml
19)	T n-Tetratriacontane (C34)	19.912	1846086	18.660 ug/ml
20)	T n-Hexatriacontane (C36)	20.657	1601922	18.873 ug/mlm
21)	T n-Octatriacontane (C38)	21.445	1482301	19.635 ug/ml
22)	T n-Tetracontane (C40)	22.453	1412302	20.424 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070825AL\
Data File : FG016238.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 10:17
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

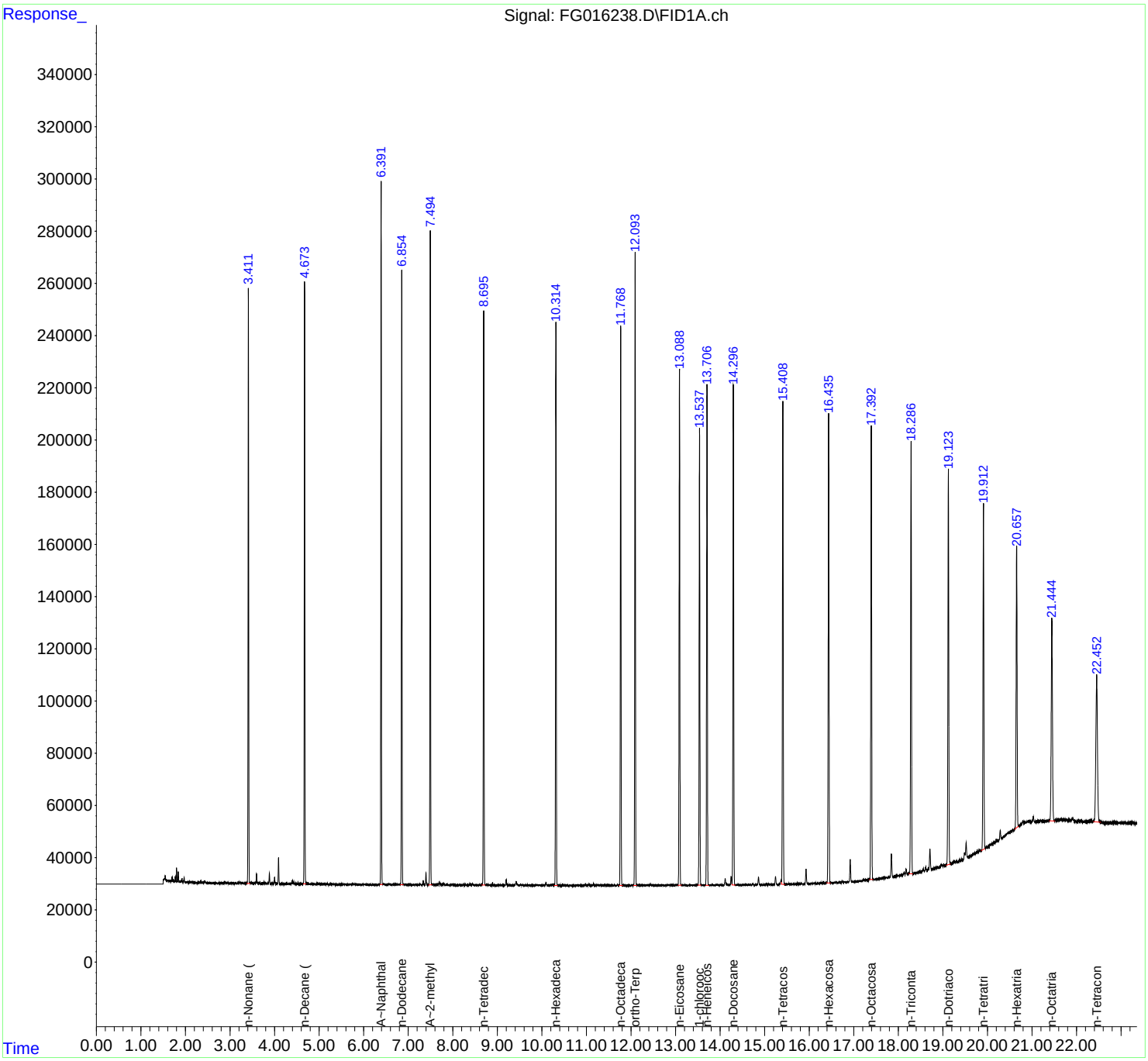
Integration File: autoint1.e
Quant Time: Jul 09 03:56:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/09/2025
Supervised By :mohammad ahmed 07/10/2025



Instrument :
FID_G
LabSampleId :
20 PPM ALIPHATIC HC STD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/09/2025
Supervised By :mohammad ahmed 07/10/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG07082
Data File : FG016238.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 10:17
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.412	3.372	3.453	BB	227970	2218230	83.78%	4.612%
2	4.674	4.638	4.704	BB	230724	2258149	85.28%	4.695%
3	6.391	6.362	6.427	BB	269644	2494547	94.21%	5.186%
4	6.854	6.820	6.896	BB	235301	2284986	86.30%	4.750%
5	7.495	7.447	7.537	BB	250559	2433511	91.91%	5.059%
6	8.695	8.649	8.731	BB	219984	2286993	86.37%	4.754%
7	10.314	10.272	10.354	BB	215545	2367837	89.43%	4.923%
8	11.769	11.726	11.816	BB	214075	2415807	91.24%	5.022%
9	12.093	12.048	12.131	BB	242612	2647798	100.00%	5.505%
10	13.089	13.051	13.138	BB	197627	2356961	89.02%	4.900%
11	13.538	13.501	13.578	BB	173775	2051257	77.47%	4.264%
12	13.706	13.668	13.748	BB	191511	2324335	87.78%	4.832%
13	14.297	14.266	14.347	VB	190604	2347738	88.67%	4.881%
14	15.409	15.378	15.455	VB	185150	2378792	89.84%	4.945%
15	16.436	16.389	16.483	BB	179652	2345150	88.57%	4.875%
16	17.393	17.343	17.429	BB	173565	2265235	85.55%	4.709%
17	18.286	18.233	18.328	BB	164939	2218425	83.78%	4.612%
18	19.124	19.069	19.173	BB	151390	2072531	78.27%	4.309%
19	19.912	19.856	19.947	BB	132378	1846086	69.72%	3.838%
20	20.657	20.532	20.693	BB	107585	1592863	60.16%	3.311%
21	21.445	21.382	21.520	BB	77756	1482301	55.98%	3.082%
22	22.453	22.374	22.550	BBA	55902	1412302	53.34%	2.936%
			Sum of corrected areas:			48101834		

Aliphatic EPH 061325.M Wed Jul 09 04:26:47 2025

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

Continuing Calibration Report for SequenceID : FG070825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG016242.D**						
Aliphatic C9-C12	6841688.000	60.000	3.312	6.954	114028.133	109333.554	-4.294
Aliphatic C12-C16	4689449.000	40.000	6.955	10.414	117236.225	111824.611	-4.839
Aliphatic C16-C21	7109672.000	60.000	10.415	13.806	118494.533	114479.647	-3.507
Aliphatic C21-C28	9356236.000	80.000	13.807	17.493	116952.950	114390.192	-2.240
Aliphatic C28-C40	10697536.000	120.000	17.494	22.553	89146.133	91995.767	3.098
Aliphatic EPH	38694581.000	360.000	3.312	22.553	107484.947	105812.455	-1.581

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:	08 Jul 2025 12:54
Client Sample ID:		Operator:	YP\AJ
Data file:	FG016242.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.312	6.954	6841688.000	60.000	ug/ml
Aliphatic C12-C16	6.955	10.414	4689449.000	40.000	ug/ml
Aliphatic C16-C21	10.415	13.806	7109672.000	60.000	ug/ml
Aliphatic C21-C28	13.807	17.493	9356236.000	80.000	ug/ml
Aliphatic C28-C40	17.494	22.553	10697536.000	120.000	ug/ml
Aliphatic EPH	3.312	22.553	38694581.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070825AL\
Data File : FG016242.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 12:54
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Jul 09 03:57:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	12.093	2646745	20.513 ug/ml
Spiked Amount	50.000		Recovery =	41.03%
12)	S 1-chlorooctadecane (S...	13.538	2052852	20.373 ug/ml
Spiked Amount	50.000		Recovery =	40.75%
	Target Compounds			
1)	T n-Nonane (C9)	3.412	2246973	20.767 ug/ml
2)	T n-Decane (C10)	4.674	2287440	20.853 ug/ml
3)	T A~Naphthalene (C11.7)	6.392	2518835	21.082 ug/ml
4)	T n-Dodecane (C12)	6.854	2307275	20.954 ug/ml
5)	T A~2-methylnaphthalene...	7.495	2451895	21.081 ug/ml
6)	T n-Tetradecane (C14)	8.695	2304457	20.984 ug/ml
7)	T n-Hexadecane (C16)	10.314	2384992	20.952 ug/ml
8)	T n-Octadecane (C18)	11.769	2422760	20.811 ug/ml
10)	T n-Eicosane (C20)	13.089	2360762	20.743 ug/ml
11)	T n-Heneicosane (C21)	13.706	2326150	20.547 ug/ml
13)	T n-Docosane (C22)	14.296	2348473	20.658 ug/ml
14)	T n-Tetracosane (C24)	15.407	2378870	20.630 ug/ml
15)	T n-Hexacosane (C26)	16.435	2351173	20.431 ug/ml
16)	T n-Octacosane (C28)	17.392	2277720	20.070 ug/ml
17)	T n-Tricontane (C30)	18.285	2237834	19.546 ug/ml
18)	T n-Dotriacontane (C32)	19.122	2093038	19.197 ug/ml
19)	T n-Tetratriacontane (C34)	19.912	1862300	18.824 ug/ml
20)	T n-Hexatriacontane (C36)	20.654	1613873	19.014 ug/ml
21)	T n-Octatriacontane (C38)	21.446	1474837	19.536 ug/ml
22)	T n-Tetracontane (C40)	22.451	1415654	20.473 ug/ml

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

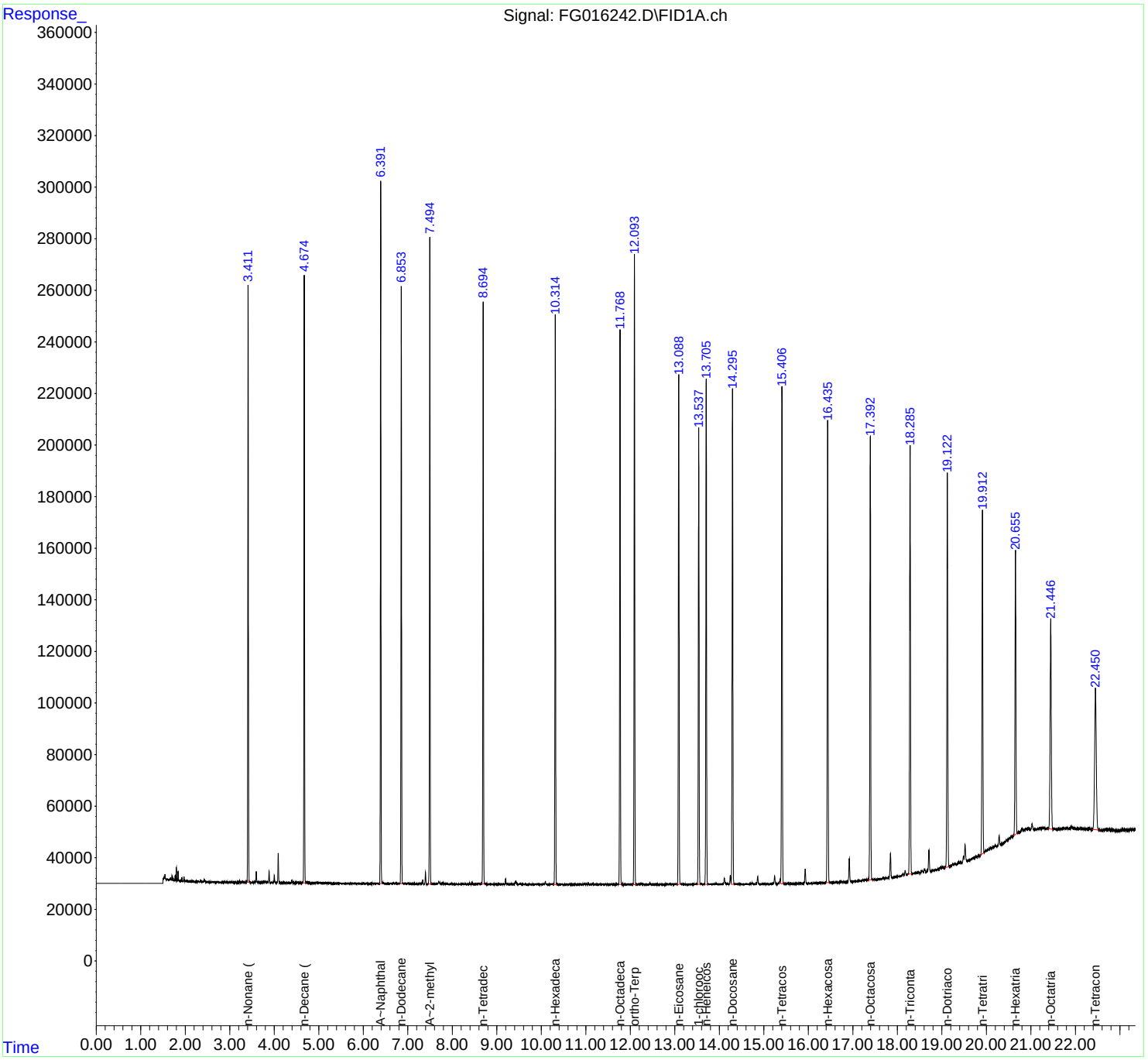
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070825AL\
Data File : FG016242.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 12:54
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Jul 09 03:57:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070825AL\
Data File : FG016242.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 12:54
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.412	3.383	3.456	BB	231053	2246973	84.90%	4.646%
2	4.674	4.642	4.711	BB	235875	2287440	86.42%	4.730%
3	6.392	6.363	6.426	BB	272263	2518835	95.17%	5.208%
4	6.854	6.823	6.893	BB	231061	2307275	87.17%	4.771%
5	7.495	7.455	7.538	BB	250502	2451895	92.64%	5.070%
6	8.695	8.656	8.732	BB	225789	2304457	87.07%	4.765%
7	10.314	10.269	10.356	BB	220606	2384992	90.11%	4.931%
8	11.769	11.736	11.806	BB	214964	2422760	91.54%	5.009%
9	12.093	12.049	12.138	BB	243976	2646745	100.00%	5.472%
10	13.089	13.046	13.136	BB	197379	2360762	89.19%	4.881%
11	13.538	13.497	13.578	BB	176814	2052852	77.56%	4.245%
12	13.706	13.669	13.744	BB	195506	2326150	87.89%	4.810%
13	14.296	14.263	14.333	VB	191764	2348473	88.73%	4.856%
14	15.407	15.375	15.454	VB	190626	2378870	89.88%	4.919%
15	16.435	16.395	16.478	BB	178914	2351173	88.83%	4.861%
16	17.392	17.338	17.428	BB	172075	2277720	86.06%	4.709%
17	18.285	18.233	18.325	BB	165704	2237834	84.55%	4.627%
18	19.122	19.067	19.172	BB	152777	2093038	79.08%	4.328%
19	19.912	19.859	19.947	BB	133442	1862300	70.36%	3.851%
20	20.654	20.603	20.693	BB	109655	1613873	60.98%	3.337%
21	21.446	21.384	21.495	BB	81647	1474837	55.72%	3.049%
22	22.451	22.372	22.538	BB	54492	1415654	53.49%	2.927%
			Sum of corrected areas:			48364906		

Aliphatic EPH 061325.M Wed Jul 09 04:27:33 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:	PB168738BL			SDG No.:	Q2503
Lab Sample ID:	PB168738BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
07/07/25 09:30	07/07/25 15:02	PB168738

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FG016227.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	FG016227.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	5.99	mg/kg	
Total EPH	Total EPH	2.09	U		2.09	5.99	mg/kg	

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

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

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:	PB168738BL		SDG No.:	Q2503	
Lab Sample ID:	PB168738BL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016227.D	1	07/07/25	07/07/25	PB168738

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.9		40 - 140	94%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.8		40 - 140	92%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168738BL	Acq On:	07 Jul 2025 15:02
Client Sample ID:	PB168738BL	Operator:	YP\AJ
Data file:	FG016227.D	Misc:	
Instrument:	FID_G	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.313	6.958	0	0	300	ug/ml
Aliphatic C12-C16	6.959	10.419	0	0	200	ug/ml
Aliphatic C16-C21	10.420	13.811	0	0	300	ug/ml
Aliphatic C21-C28	13.812	17.498	0	0	400	ug/ml
Aliphatic C28-C40	17.499	22.561	0	0	600	ug/ml
Aliphatic EPH	3.313	22.561	0	0		ug/ml
ortho-Terphenyl (SURR)	12.103	12.103	5903658	45.76		ug/ml
1-chlorooctadecane (SURR)	13.547	13.547	4722752	46.87		ug/ml
Aliphatic C9-C28	3.313	17.498	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016227.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 15:02
Operator : YP\AJ
Sample : PB168738BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB168738BL

Integration File: autoint1.e
Quant Time: Jul 08 02:23:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.103	5903658	45.756 ug/ml
Spiked Amount 50.000		Recovery =	91.51%
12) S 1-chlorooctadecane (S...	13.547	4722752	46.869 ug/ml
Spiked Amount 50.000		Recovery =	93.74%
Target Compounds			

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

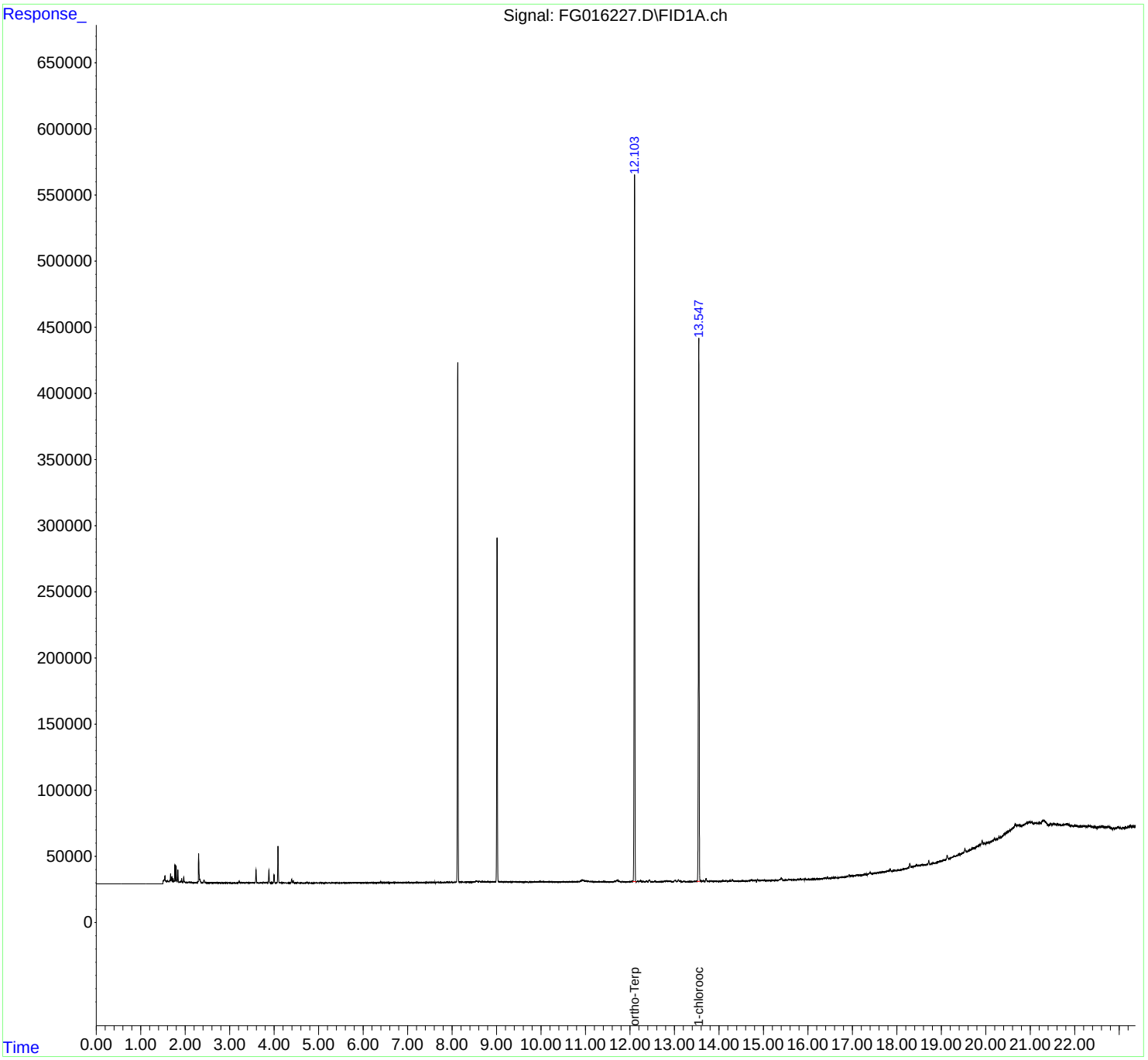
Quantitation Report (QT Reviewed)

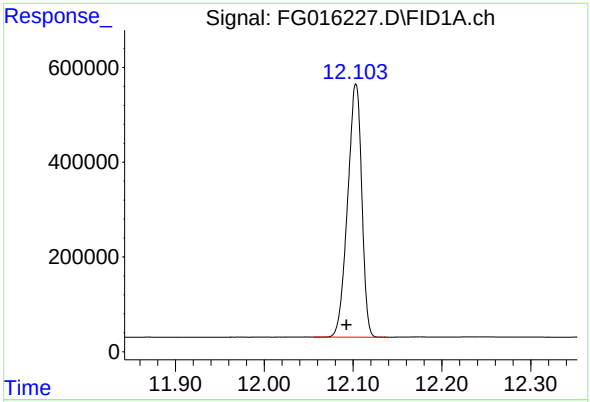
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016227.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 15:02
Operator : YP\AJ
Sample : PB168738BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB168738BL

Integration File: autoint1.e
Quant Time: Jul 08 02:23:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

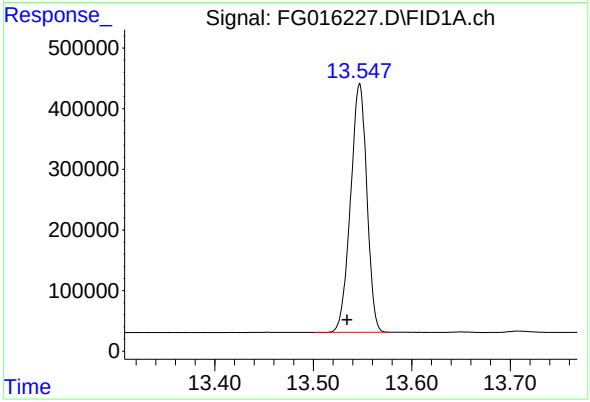




#9 ortho-Terphenyl (SURR)

R.T.: 12.103 min
Delta R.T.: 0.011 min
Response: 5903658
Conc: 45.76 ug/ml

Instrument :
FID_G
ClientSampleId :
PB168738BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.547 min
Delta R.T.: 0.013 min
Response: 4722752
Conc: 46.87 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016227.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 15:02
Sample : PB168738BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	12.103	12.055	12.140	BB	534244	5903658	100.00%	55.556%
2	13.547	13.500	13.577	BB	409721	4722752	80.00%	44.444%

Sum of corrected areas: 10626410

Aliphatic EPH 061325.M Tue Jul 08 06:12:06 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:	PB168738BS			SDG No.:	Q2503
Lab Sample ID:	PB168738BS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
07/07/25 09:30	07/08/25 10:54	PB168738

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	20.1		1	1.18	2.00	mg/kg	FG016239.D
Aliphatic C9-C28	Aliphatic C9-C28	54.0		1	0.91	3.99	mg/kg	FG016239.D
Total AliphaticEPH	Total AliphaticEPH	74.1			2.09	5.99	mg/kg	
Total EPH	Total EPH	74.1			2.09	5.99	mg/kg	

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

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

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

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:	PB168738BS		SDG No.:	Q2503	
Lab Sample ID:	PB168738BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016239.D	1	07/07/25	07/08/25	PB168738

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	54.0		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.1		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.4		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.6		40 - 140	51%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168738BS	Acq On:	08 Jul 2025 10:54
Client Sample ID:	PB168738BS	Operator:	YP\AJ
Data file:	FG016239.D	Misc:	
Instrument:	FID_G	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.954	15063717	137.778	300	ug/ml
Aliphatic C12-C16	6.955	10.414	21381869	191.209	200	ug/ml
Aliphatic C16-C21	10.415	13.806	25249298	220.557	300	ug/ml
Aliphatic C21-C28	13.807	17.493	29968814	261.988	400	ug/ml
Aliphatic C28-C40	17.494	22.553	27695766	301.055	600	ug/ml
Aliphatic EPH	3.312	22.553	119359464	1110		ug/ml
ortho-Terphenyl (SURR)	12.096	12.096	3298568	25.57		ug/ml
1-chlorooctadecane (SURR)	13.542	13.542	2659381	26.39		ug/ml
Aliphatic C9-C28	3.312	17.493	91663698	811.532	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070825AL\
Data File : FG016239.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 10:54
Operator : YP\AJ
Sample : PB168738BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB168738BS

Integration File: autoint1.e
Quant Time: Jul 09 03:56:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.096	3298568	25.565 ug/ml
Spiked Amount	50.000		Recovery =	51.13%
12) S	1-chlorooctadecane (S...	13.542	2659381	26.392 ug/ml
Spiked Amount	50.000		Recovery =	52.78%
	Target Compounds			
1) T	n-Nonane (C9)	3.417	2638994	24.391 ug/ml
2) T	n-Decane (C10)	4.677	2786828	25.406 ug/ml
3) T	A~Naphthalene (C11.7)	6.393	3496326	29.263 ug/ml
4) T	n-Dodecane (C12)	6.856	2974448	27.013 ug/ml
5) T	A~2-methylnaphthalene...	7.497	3399505	29.228 ug/ml
6) T	n-Tetradecane (C14)	8.698	3180835	28.964 ug/ml
7) T	n-Hexadecane (C16)	10.317	3325430	29.214 ug/ml
8) T	n-Octadecane (C18)	11.772	3347675	28.756 ug/ml
10) T	n-Eicosane (C20)	13.093	3473916	30.524 ug/ml
11) T	n-Heneicosane (C21)	13.709	3355441	29.638 ug/ml
13) T	n-Docosane (C22)	14.300	3324684	29.246 ug/ml
14) T	n-Tetracosane (C24)	15.401	6803257	58.999 ug/ml
15) T	n-Hexacosane (C26)	16.441	3213551	27.925 ug/ml
16) T	n-Octacosane (C28)	17.395	3112347	27.424 ug/ml
17) T	n-Tricontane (C30)	18.289	3057763	26.708 ug/ml
18) T	n-Dotriacontane (C32)	19.125	2970222	27.242 ug/ml
19) T	n-Tetratriacontane (C34)	19.914	3049388	30.822 ug/ml
20) T	n-Hexatriacontane (C36)	20.660	2886567	34.008 ug/ml
21) T	n-Octatriacontane (C38)	21.451	2906168	38.496 ug/ml
22) T	n-Tetracontane (C40)	22.457	2886900	41.749 ug/ml

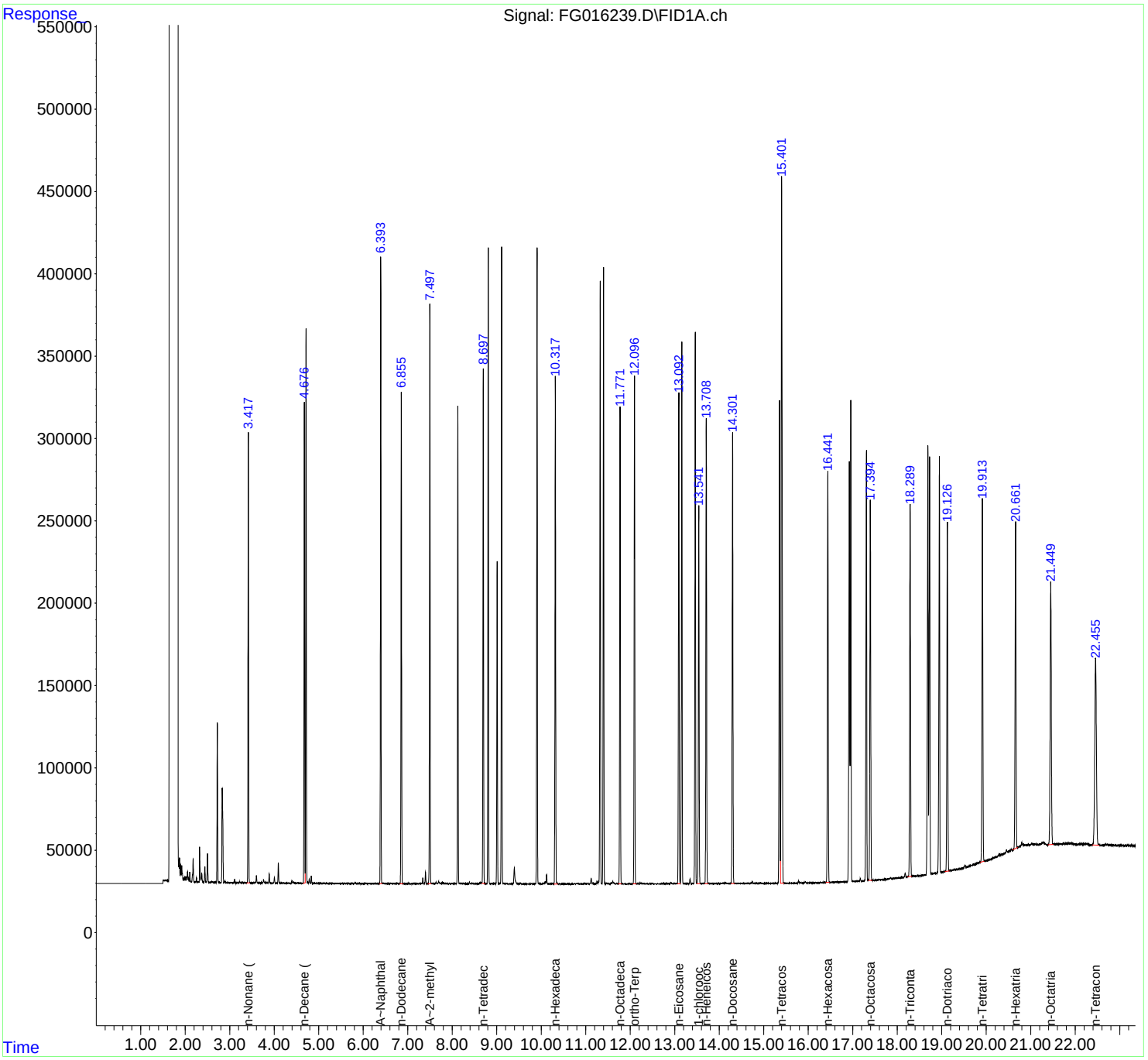
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070825AL\
Data File : FG016239.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 10:54
Operator : YP\AJ
Sample : PB168738BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB168738BS

Integration File: autoint1.e
Quant Time: Jul 09 03:56:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070825AL\
Data File : FG016239.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 10:54
Sample : PB168738BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.417	3.382	3.456	BB	273197	2638994	38.79%	2.106%
2	4.677	4.643	4.696	BV	291455	2786828	40.96%	2.224%
3	4.715	4.696	4.744	VB	336319	3167121	46.55%	2.527%
4	6.393	6.360	6.428	BB	378833	3496326	51.39%	2.790%
5	6.856	6.818	6.900	BB	298804	2974448	43.72%	2.374%
6	7.497	7.452	7.532	BB	352102	3399505	49.97%	2.713%
7	8.698	8.667	8.742	BB	311833	3180835	46.75%	2.538%
8	8.810	8.776	8.849	BB	385897	3785907	55.65%	3.021%
9	9.112	9.080	9.155	BB	384803	3799816	55.85%	3.032%
10	9.907	9.871	9.937	BB	385520	3890376	57.18%	3.104%
11	10.317	10.284	10.375	BB	308121	3325430	48.88%	2.654%
12	11.325	11.270	11.364	VV	365724	3842674	56.48%	3.066%
13	11.400	11.364	11.443	PB	373981	3838080	56.42%	3.063%
14	11.772	11.729	11.806	BB	289150	3347675	49.21%	2.671%
15	12.096	12.062	12.140	BB	307908	3298568	48.49%	2.632%
16	13.093	13.055	13.125	BV	297655	3473916	51.06%	2.772%
17	13.160	13.125	13.191	VB	329155	3710206	54.54%	2.961%
18	13.463	13.420	13.495	BV	334339	3681306	54.11%	2.938%
19	13.542	13.495	13.575	VB	229042	2659381	39.09%	2.122%
20	13.709	13.670	13.759	BB	281944	3355441	49.32%	2.678%
21	14.300	14.262	14.349	BB	272994	3324684	48.87%	2.653%
22	15.356	15.314	15.375	BV	292353	3516489	51.69%	2.806%
23	15.401	15.375	15.457	VB	429079	6803257	100.00%	5.429%
24	16.441	16.390	16.480	BB	249480	3213551	47.24%	2.564%
25	16.924	16.866	16.939	BV	254495	3373209	49.58%	2.692%
26	16.958	16.939	16.997	VB	291976	3362380	49.42%	2.683%
27	17.308	17.250	17.340	BB	260112	3262897	47.96%	2.604%
28	17.395	17.354	17.441	BB	229512	3112347	45.75%	2.484%
29	18.289	18.227	18.327	BB	225997	3057763	44.95%	2.440%
30	18.689	18.631	18.704	BV	259940	3452511	50.75%	2.755%
31	18.727	18.704	18.774	VB	253417	3296772	48.46%	2.631%
32	18.947	18.886	18.991	BB	251850	3189475	46.88%	2.545%
33	19.125	19.070	19.175	BB	211586	2970222	43.66%	2.370%
34	19.914	19.855	19.955	BB	220423	3049388	44.82%	2.433%
35	20.660	20.592	20.701	BB	197467	2886567	42.43%	2.303%
36	21.451	21.382	21.510	BB	159556	2906168	42.72%	2.319%

rteres

37	22.457	22.380	22.545	BB	113016	2886900	42.43%	2.304%

Sum of corrected areas: 125317411

Aliphatic EPH 061325.M Wed Jul 09 04:28:07 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:	PB168738BSD			SDG No.:	Q2503
Lab Sample ID:	PB168738BSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
07/07/25 09:30	07/08/25 11:25	PB168738

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	20.2		1	1.18	2.00	mg/kg	FG016240.D
Aliphatic C9-C28	Aliphatic C9-C28	54.3		1	0.91	4.00	mg/kg	FG016240.D
Total AliphaticEPH	Total AliphaticEPH	74.5			2.09	6.00	mg/kg	
Total EPH	Total EPH	74.5			2.09	6.00	mg/kg	

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

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Capra		Date Received:		
Client Sample ID:	PB168738BSD		SDG No.:	Q2503	
Lab Sample ID:	PB168738BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016240.D	1	07/07/25	07/08/25	PB168738

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	54.3		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.2		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.6		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.8		40 - 140	52%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168738BSD	Acq On:	08 Jul 2025 11:25
Client Sample ID:	PB168738BSD	Operator:	YP\AJ
Data file:	FG016240.D	Misc:	
Instrument:	FID_G	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.954	15117255	138.267	300	ug/ml
Aliphatic C12-C16	6.955	10.414	21524884	192.488	200	ug/ml
Aliphatic C16-C21	10.415	13.806	25397029	221.848	300	ug/ml
Aliphatic C21-C28	13.807	17.493	30021454	262.448	400	ug/ml
Aliphatic C28-C40	17.494	22.553	27846034	302.688	600	ug/ml
Aliphatic EPH	3.312	22.553	119906656	1120		ug/ml
ortho-Terphenyl (SURR)	12.095	12.095	3322275	25.75		ug/ml
1-chlorooctadecane (SURR)	13.540	13.540	2674882	26.55		ug/ml
Aliphatic C9-C28	3.312	17.493	92060622	815.051	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070825AL\
Data File : FG016240.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 11:25
Operator : YP\AJ
Sample : PB168738BSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB168738BSD

Integration File: autoint1.e
Quant Time: Jul 09 03:57:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.095	3322275	25.749 ug/ml
Spiked Amount	50.000		Recovery =	51.50%
12) S	1-chlorooctadecane (S...	13.540	2674882	26.546 ug/ml
Spiked Amount	50.000		Recovery =	53.09%
	Target Compounds			
1) T	n-Nonane (C9)	3.418	2646371	24.459 ug/ml
2) T	n-Decane (C10)	4.677	2794487	25.476 ug/ml
3) T	A~Naphthalene (C11.7)	6.393	3513038	29.403 ug/ml
4) T	n-Dodecane (C12)	6.855	2988389	27.140 ug/ml
5) T	A~2-methylnaphthalene...	7.496	3418085	29.388 ug/ml
6) T	n-Tetradecane (C14)	8.697	3204072	29.176 ug/ml
7) T	n-Hexadecane (C16)	10.317	3341881	29.358 ug/ml
8) T	n-Octadecane (C18)	11.771	3367247	28.924 ug/ml
10) T	n-Eicosane (C20)	13.091	3493085	30.692 ug/ml
11) T	n-Heneicosane (C21)	13.708	3364111	29.715 ug/ml
13) T	n-Docosane (C22)	14.298	3339638	29.377 ug/ml
14) T	n-Tetracosane (C24)	15.401	6815566	59.106 ug/ml
15) T	n-Hexacosane (C26)	16.439	3230481	28.072 ug/ml
16) T	n-Octacosane (C28)	17.394	3123838	27.525 ug/ml
17) T	n-Tricontane (C30)	18.288	3075107	26.859 ug/ml
18) T	n-Dotriacontane (C32)	19.124	2992650	27.448 ug/ml
19) T	n-Tetratriacontane (C34)	19.914	3070557	31.036 ug/ml
20) T	n-Hexatriacontane (C36)	20.658	2899455	34.160 ug/ml
21) T	n-Octatriacontane (C38)	21.450	2918561	38.660 ug/ml
22) T	n-Tetracontane (C40)	22.457	2882837	41.690 ug/ml

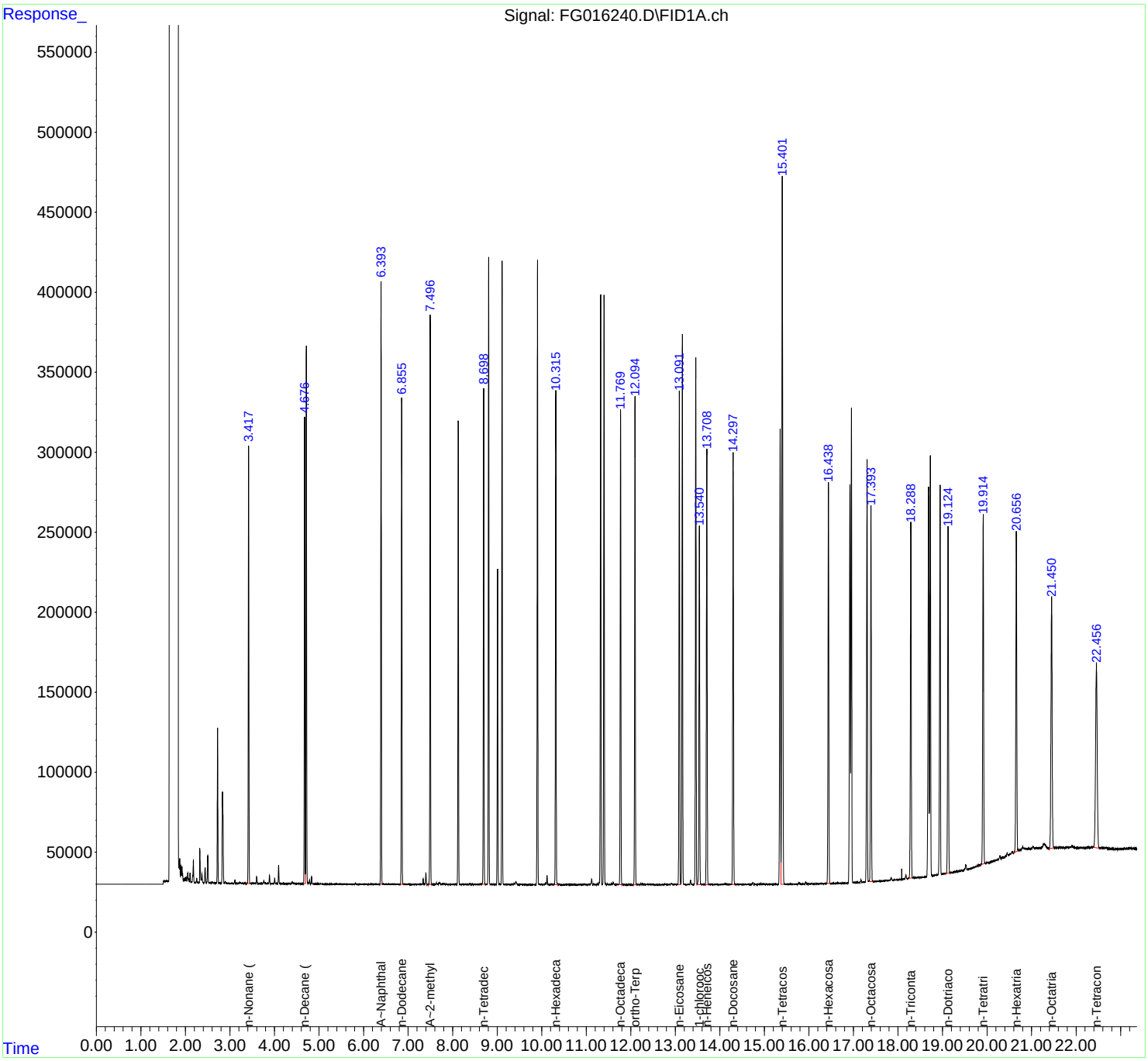
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070825AL\
Data File : FG016240.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 11:25
Operator : YP\AJ
Sample : PB168738BSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB168738BSD

Integration File: autoint1.e
Quant Time: Jul 09 03:57:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070825AL\
Data File : FG016240.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 11:25
Sample : PB168738BSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.418	3.375	3.462	BB	273536	2646371	38.83%	2.102%
2	4.677	4.643	4.696	BV	291797	2794487	41.00%	2.220%
3	4.715	4.696	4.743	VB	336070	3174970	46.58%	2.522%
4	6.393	6.362	6.424	BB	376483	3513038	51.54%	2.790%
5	6.855	6.824	6.896	BB	303996	2988389	43.85%	2.374%
6	7.496	7.458	7.527	BB	354486	3418085	50.15%	2.715%
7	8.697	8.656	8.738	BB	309926	3204072	47.01%	2.545%
8	8.809	8.777	8.855	BB	390751	3813336	55.95%	3.029%
9	9.111	9.076	9.148	BB	386942	3826475	56.14%	3.039%
10	9.906	9.872	9.939	BB	389801	3921035	57.53%	3.114%
11	10.317	10.283	10.367	BB	308012	3341881	49.03%	2.654%
12	11.324	11.232	11.357	BV	366548	3877278	56.89%	3.080%
13	11.400	11.357	11.438	PB	368601	3867290	56.74%	3.072%
14	11.771	11.731	11.814	BB	294296	3367247	49.41%	2.674%
15	12.095	12.057	12.138	BB	303774	3322275	48.75%	2.639%
16	13.091	13.056	13.124	BV	307977	3493085	51.25%	2.774%
17	13.159	13.124	13.188	VB	344093	3728881	54.71%	2.962%
18	13.460	13.421	13.488	BV	328668	3699137	54.27%	2.938%
19	13.540	13.488	13.581	VB	223984	2674882	39.25%	2.125%
20	13.708	13.671	13.752	BB	271797	3364111	49.36%	2.672%
21	14.298	14.262	14.340	BB	269831	3339638	49.00%	2.653%
22	15.353	15.312	15.374	BV	284355	3519018	51.63%	2.795%
23	15.401	15.374	15.458	VB	442553	6815566	100.00%	5.413%
24	16.439	16.401	16.489	BB	250327	3230481	47.40%	2.566%
25	16.922	16.865	16.937	BV	248157	3378067	49.56%	2.683%
26	16.956	16.937	16.989	VB	296429	3352367	49.19%	2.663%
27	17.307	17.254	17.338	BB	262068	3262479	47.87%	2.591%
28	17.394	17.352	17.442	BB	233498	3123838	45.83%	2.481%
29	18.288	18.233	18.325	BB	222509	3075107	45.12%	2.442%
30	18.687	18.628	18.703	BV	242738	3475737	51.00%	2.761%
31	18.726	18.703	18.771	VB	262256	3324070	48.77%	2.640%
32	18.946	18.881	18.992	BB	242872	3207060	47.05%	2.547%
33	19.124	19.067	19.166	BB	216607	2992650	43.91%	2.377%
34	19.914	19.859	19.953	BB	218241	3070557	45.05%	2.439%
35	20.658	20.589	20.697	BB	197780	2899455	42.54%	2.303%
36	21.450	21.383	21.510	BB	157440	2918561	42.82%	2.318%

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37	22.457	22.379	22.531	BB	115749	2882837	42.30%	2.290%

Sum of corrected areas: 125903812

Aliphatic EPH 061325.M Wed Jul 09 04:28:44 2025

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Capra			Date Received:	
Client Sample ID:	WC-1MS			SDG No.:	Q2503
Lab Sample ID:	Q2515-01MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	87.5
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
07/07/25 09:30	07/07/25 17:31	PB168738

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	49.4	E	1	1.35	2.28	mg/kg	FG016232.D
Aliphatic C9-C28	Aliphatic C9-C28	108	E	1	1.04	4.56	mg/kg	FG016232.D
Total AliphaticEPH	Total AliphaticEPH	157			2.39	6.84	mg/kg	
Total EPH	Total EPH	157			2.39	6.84	mg/kg	

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Capra		Date Received:		
Client Sample ID:	WC-1MS		SDG No.:	Q2503	
Lab Sample ID:	Q2515-01MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	87.5	
Sample Wt/Vol:	30.05 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016232.D	1	07/07/25	07/07/25	PB168738

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	108	E	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	49.4	E	1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.8		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.6		40 - 140	69%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2515-01MS	Acq On:	07 Jul 2025 17:31
Client Sample ID:	WC-1MS	Operator:	YP\AJ
Data file:	FG016232.D	Misc:	
Instrument:	FID_G	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.313	6.958	24489954	223.993	300	ug/ml
Aliphatic C12-C16	6.959	10.419	34348294	307.162	200	ug/ml
Aliphatic C16-C21	10.420	13.811	48224428	421.249	300	ug/ml
Aliphatic C21-C28	13.812	17.498	52987317	463.216	400	ug/ml
Aliphatic C28-C40	17.499	22.561	59796243	649.989	600	ug/ml
Aliphatic EPH	3.313	22.561	219846236	2070		ug/ml
ortho-Terphenyl (SURR)	12.098	12.098	4471160	34.65		ug/ml
1-chlorooctadecane (SURR)	13.543	13.543	3810382	37.81		ug/ml
Aliphatic C9-C28	3.313	17.498	160049993	1420	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016232.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 17:31
Operator : YP\AJ
Sample : Q2515-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
wc-1MS

Integration File: autoint1.e
Quant Time: Jul 08 02:24:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.098	4471160	34.653 ug/ml
Spiked Amount	50.000		Recovery =	69.31%
12) S	1-chlorooctadecane (S...	13.543	3810382	37.815 ug/ml
Spiked Amount	50.000		Recovery =	75.63%
	Target Compounds			
1) T	n-Nonane (C9)	3.415	3409658	31.513 ug/ml
2) T	n-Decane (C10)	4.678	3924306	35.776 ug/ml
3) T	A~Naphthalene (C11.7)	6.395	5051953	42.283 ug/ml
4) T	n-Dodecane (C12)	6.857	4378049	39.760 ug/ml
5) T	A~2-methylnaphthalene...	7.499	4999162	42.982 ug/ml
6) T	n-Tetradecane (C14)	8.700	4881221	44.448 ug/ml
7) T	n-Hexadecane (C16)	10.319	5434224	47.740 ug/ml
8) T	n-Octadecane (C18)	11.774	5666153	48.672 ug/ml
10) T	n-Eicosane (C20)	13.095	5942420	52.213 ug/ml
11) T	n-Heneicosane (C21)	13.711	5732203	50.632 ug/ml
13) T	n-Docosane (C22)	14.301	5712622	50.251 ug/ml
14) T	n-Tetracosane (C24)	15.409	11696433	101.434 ug/ml
15) T	n-Hexacosane (C26)	16.442	5525379	48.014 ug/ml
16) T	n-Octacosane (C28)	17.397	5335357	47.011 ug/ml
17) T	n-Tricontane (C30)	18.292	5257970	45.925 ug/ml
18) T	n-Dotriacontane (C32)	19.129	5097267	46.751 ug/ml
19) T	n-Tetratriacontane (C34)	19.917	5238175	52.946 ug/ml
20) T	n-Hexatriacontane (C36)	20.662	4950374	58.322 ug/ml
21) T	n-Octatriacontane (C38)	21.454	4936826	65.395 ug/ml
22) T	n-Tetracontane (C40)	22.463	4871960	70.456 ug/ml

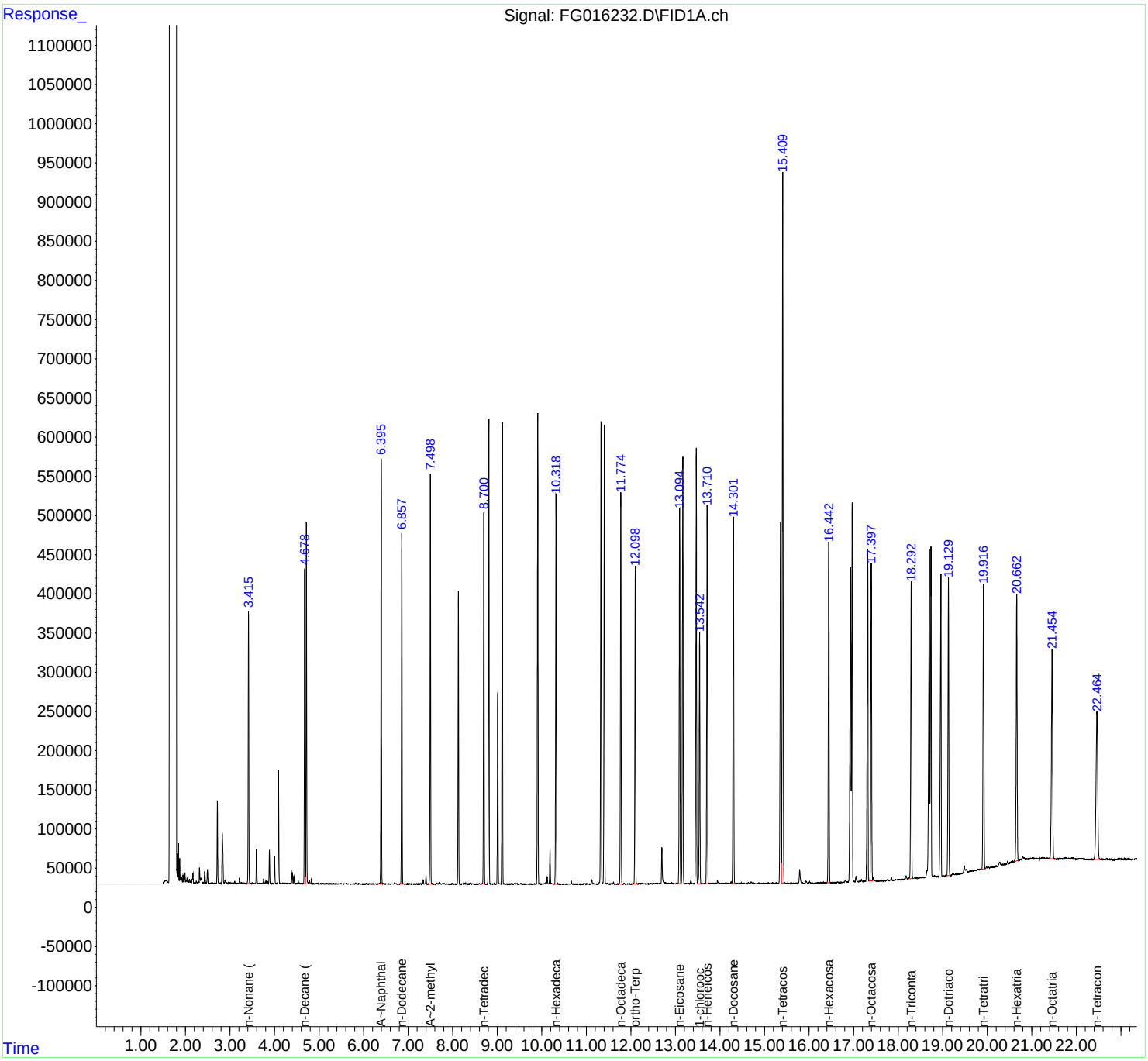
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016232.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 17:31
Operator : YP\AJ
Sample : Q2515-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
wc-1MS

Integration File: autoint1.e
Quant Time: Jul 08 02:24:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016232.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 17:31
Sample : Q2515-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.308	3.295	3.344	PV	259	2599	0.02%	0.001%
2	3.360	3.344	3.375	PV	116	1640	0.01%	0.001%
3	3.415	3.375	3.455	VV	346798	3415001	29.15%	1.522%
4	3.469	3.455	3.491	VV	314	4537	0.04%	0.002%
5	3.509	3.491	3.532	VV	600	7457	0.06%	0.003%
6	3.548	3.532	3.567	VV	322	5533	0.05%	0.002%
7	3.595	3.567	3.649	VV	44264	413007	3.53%	0.184%
8	3.683	3.649	3.720	VV	498	10311	0.09%	0.005%
9	3.756	3.720	3.788	VV	6025	69160	0.59%	0.031%
10	3.806	3.788	3.826	VV	2984	35652	0.30%	0.016%
11	3.851	3.826	3.864	VV	2623	33523	0.29%	0.015%
12	3.885	3.864	3.920	VV	42853	389581	3.33%	0.174%
13	3.932	3.920	3.974	VV	76	1626	0.01%	0.001%
14	4.001	3.974	4.044	VV	35056	313958	2.68%	0.140%
15	4.089	4.044	4.160	VV	143665	1293584	11.04%	0.577%
16	4.183	4.160	4.199	VV	730	9719	0.08%	0.004%
17	4.214	4.199	4.238	VV	604	9044	0.08%	0.004%
18	4.264	4.238	4.345	VV	504	17755	0.15%	0.008%
19	4.359	4.345	4.367	VV	354	3533	0.03%	0.002%
20	4.398	4.367	4.418	VV	14435	168671	1.44%	0.075%
21	4.434	4.418	4.508	VV	9723	95591	0.82%	0.043%
22	4.533	4.508	4.549	VV	4023	37777	0.32%	0.017%
23	4.558	4.549	4.581	VV	871	8947	0.08%	0.004%
24	4.594	4.581	4.606	VV	199	2641	0.02%	0.001%
25	4.678	4.606	4.696	VV	403390	3932750	33.57%	1.753%
26	4.715	4.696	4.769	VV	460207	4444878	37.94%	1.981%
27	4.787	4.769	4.810	VV	3815	39285	0.34%	0.018%
28	4.833	4.810	4.861	VV	6370	62313	0.53%	0.028%
29	4.873	4.861	4.878	VV	142	1155	0.01%	0.001%
30	4.894	4.878	4.934	VV	201	4555	0.04%	0.002%
31	4.954	4.934	4.976	VV	1098	11466	0.10%	0.005%
32	4.989	4.976	5.019	VV	252	3334	0.03%	0.001%
33	5.044	5.019	5.067	VV	209	4145	0.04%	0.002%
34	5.091	5.067	5.115	VV	200	3558	0.03%	0.002%
35	5.136	5.115	5.158	VV	133	2416	0.02%	0.001%
36	5.192	5.158	5.245	VV	230	6891	0.06%	0.003%

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37	5.259	5.245	5.279	VV	125	2115	0.02%	0.001%
38	5.305	5.279	5.321	VV	620	7562	0.06%	0.003%
39	5.335	5.321	5.371	VV	237	5070	0.04%	0.002%
40	5.385	5.371	5.411	VV	247	3661	0.03%	0.002%
41	5.434	5.411	5.454	VV	259	3881	0.03%	0.002%
42	5.466	5.454	5.485	VV	214	2279	0.02%	0.001%
43	5.498	5.485	5.514	PV	145	1709	0.01%	0.001%
44	5.547	5.514	5.567	VV	219	4281	0.04%	0.002%
45	5.581	5.567	5.605	VV	294	3353	0.03%	0.001%
46	5.620	5.605	5.644	VV	470	5330	0.05%	0.002%
47	5.659	5.644	5.718	VV	137	4227	0.04%	0.002%
48	5.731	5.718	5.742	VV	101	1100	0.01%	0.000%
49	5.766	5.742	5.785	VV	137	2098	0.02%	0.001%
50	5.818	5.785	5.837	PV	1367	14731	0.13%	0.007%
51	5.849	5.837	5.869	VV	457	5096	0.04%	0.002%
52	5.884	5.869	5.904	VV	344	4370	0.04%	0.002%
53	5.917	5.904	5.936	VV	294	3451	0.03%	0.002%
54	5.945	5.936	6.015	VV	142	3229	0.03%	0.001%
55	6.022	6.015	6.036	VV	71	698	0.01%	0.000%
56	6.055	6.036	6.108	VV	522	10505	0.09%	0.005%
57	6.135	6.108	6.159	VV	312	4216	0.04%	0.002%
58	6.185	6.159	6.214	VV	351	4959	0.04%	0.002%
59	6.232	6.214	6.258	VV	441	5446	0.05%	0.002%
60	6.273	6.258	6.307	VV	217	3288	0.03%	0.001%
61	6.327	6.307	6.338	VV	237	2956	0.03%	0.001%
62	6.395	6.338	6.431	VV	539575	5062325	43.21%	2.257%
63	6.444	6.431	6.484	VV	545	11448	0.10%	0.005%
64	6.500	6.484	6.528	VV	344	5917	0.05%	0.003%
65	6.564	6.528	6.588	VV	302	6488	0.06%	0.003%
66	6.598	6.588	6.611	VV	180	1873	0.02%	0.001%
67	6.634	6.611	6.668	VV	260	5517	0.05%	0.002%
68	6.690	6.668	6.726	VV	1062	15603	0.13%	0.007%
69	6.740	6.726	6.759	VV	309	4369	0.04%	0.002%
70	6.787	6.759	6.812	VV	244	4488	0.04%	0.002%
71	6.857	6.812	6.912	VV	445635	4385872	37.43%	1.955%
72	6.928	6.912	6.972	VV	864	11449	0.10%	0.005%
73	7.007	6.972	7.042	VV	361	6972	0.06%	0.003%
74	7.147	7.042	7.212	PV	195	9106	0.08%	0.004%
75	7.225	7.212	7.240	VV	145	1314	0.01%	0.001%
76	7.280	7.240	7.299	VV	383	5228	0.04%	0.002%
77	7.339	7.299	7.370	VV	5174	50991	0.44%	0.023%
78	7.400	7.370	7.447	VV	10744	107174	0.91%	0.048%
79	7.499	7.447	7.612	VV	520832	5017304	42.82%	2.237%
80	7.637	7.612	7.674	VV	1723	24912	0.21%	0.011%
81	7.696	7.674	7.712	VV	2032	26228	0.22%	0.012%
82	7.722	7.712	7.752	VV	1065	12578	0.11%	0.006%
83	7.774	7.752	7.792	VV	944	11259	0.10%	0.005%
84	7.807	7.792	7.829	VV	1394	14938	0.13%	0.007%
85	7.865	7.829	7.888	VV	410	9051	0.08%	0.004%
86	7.899	7.888	7.961	VV	290	5267	0.04%	0.002%
87	7.987	7.961	8.007	PV	596	6934	0.06%	0.003%
88	8.029	8.007	8.082	VV	458	7967	0.07%	0.004%
89	8.180	8.175	8.201	VV	136	1355	0.01%	0.001%

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90	8.240	8.201	8.255	VV	466	9358	0.08%	0.004%
91	8.270	8.255	8.285	VV	662	7800	0.07%	0.003%
92	8.294	8.285	8.338	VV	495	7785	0.07%	0.003%
93	8.342	8.338	8.368	VV	148	1832	0.02%	0.001%
94	8.388	8.368	8.418	VV	1236	14630	0.12%	0.007%
95	8.444	8.418	8.483	VV	738	10552	0.09%	0.005%
96	8.492	8.483	8.502	VV	89	1015	0.01%	0.000%
97	8.558	8.502	8.567	VV	185	4531	0.04%	0.002%
98	8.589	8.567	8.620	VV	419	9240	0.08%	0.004%
99	8.700	8.620	8.739	VV	471893	4901218	41.83%	2.185%
100	8.754	8.739	8.770	VV	282	4216	0.04%	0.002%
101	8.813	8.770	8.868	VV	584487	5745310	49.04%	2.561%
102	8.884	8.868	8.902	VV	354	4928	0.04%	0.002%
103	8.928	8.902	8.963	VV	577	8798	0.08%	0.004%
104	9.051	9.045	9.077	VV	368	6267	0.05%	0.003%
105	9.115	9.077	9.149	VV	590050	5876942	50.16%	2.620%
106	9.172	9.149	9.219	VV	536	10712	0.09%	0.005%
107	9.236	9.219	9.279	VV	272	4817	0.04%	0.002%
108	9.307	9.279	9.362	VV	527	9369	0.08%	0.004%
109	9.386	9.362	9.404	VV	1106	13196	0.11%	0.006%
110	9.426	9.404	9.500	VV	947	21207	0.18%	0.009%
111	9.529	9.500	9.546	VV	854	9705	0.08%	0.004%
112	9.558	9.546	9.607	VV	261	4873	0.04%	0.002%
113	9.628	9.607	9.673	VV	359	4748	0.04%	0.002%
114	9.678	9.673	9.688	VV	71	306	0.00%	0.000%
115	9.718	9.688	9.737	VV	154	2214	0.02%	0.001%
116	9.748	9.737	9.757	VV	127	1068	0.01%	0.000%
117	9.774	9.757	9.814	VV	260	4397	0.04%	0.002%
118	9.831	9.814	9.845	VV	551	3113	0.03%	0.001%
119	9.910	9.845	9.940	PV	600937	6248064	53.33%	2.785%
120	9.951	9.940	9.989	VV	702	12594	0.11%	0.006%
121	10.009	9.989	10.031	VV	416	7136	0.06%	0.003%
122	10.055	10.031	10.067	VV	592	8125	0.07%	0.004%
123	10.090	10.067	10.105	VV	2125	29693	0.25%	0.013%
124	10.122	10.105	10.157	VV	9194	97819	0.83%	0.044%
125	10.184	10.157	10.235	VV	44260	466686	3.98%	0.208%
126	10.251	10.235	10.276	VV	682	8572	0.07%	0.004%
127	10.319	10.276	10.384	VV	496632	5437039	46.41%	2.424%
128	10.407	10.384	10.454	VV	601	9841	0.08%	0.004%
129	10.486	10.454	10.524	VV	264	4990	0.04%	0.002%
130	10.544	10.524	10.562	VV	188	2627	0.02%	0.001%
131	10.574	10.562	10.584	VV	274	3029	0.03%	0.001%
132	10.597	10.584	10.632	VV	466	5291	0.05%	0.002%
133	10.662	10.632	10.689	PV	4188	43560	0.37%	0.019%
134	10.710	10.689	10.724	VV	232	3427	0.03%	0.002%
135	10.761	10.724	10.783	VV	361	6898	0.06%	0.003%
136	10.835	10.783	10.902	VV	253	10110	0.09%	0.005%
137	10.912	10.902	10.922	VV	100	1042	0.01%	0.000%
138	10.965	10.922	10.999	VV	381	9811	0.08%	0.004%
139	11.016	10.999	11.040	VV	390	5802	0.05%	0.003%
140	11.061	11.040	11.087	VV	442	5820	0.05%	0.003%
141	11.124	11.087	11.149	VV	5711	73713	0.63%	0.033%

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142	11.165	11.149	11.187	VV	606	9574	0.08%	0.004%
143	11.204	11.187	11.235	VV	320	6077	0.05%	0.003%
144	11.257	11.235	11.267	VV	215	3142	0.03%	0.001%
145	11.329	11.267	11.368	VV	587671	6479603	55.31%	2.888%
146	11.405	11.368	11.458	VV	583951	6504222	55.52%	2.899%
147	11.477	11.458	11.498	VV	1038	14345	0.12%	0.006%
148	11.509	11.498	11.543	VV	398	6960	0.06%	0.003%
149	11.573	11.543	11.592	VV	1361	17691	0.15%	0.008%
150	11.609	11.592	11.646	VV	2792	30260	0.26%	0.013%
151	11.661	11.646	11.681	VV	55	992	0.01%	0.000%
152	11.700	11.681	11.728	VV	311	4579	0.04%	0.002%
153	11.774	11.728	11.812	VV	499534	5669885	48.39%	2.528%
154	11.852	11.812	11.892	VV	525	12956	0.11%	0.006%
155	11.935	11.892	11.951	VV	289	6248	0.05%	0.003%
156	11.967	11.951	11.990	VV	348	4514	0.04%	0.002%
157	12.021	11.990	12.038	VV	209	2676	0.02%	0.001%
158	12.098	12.038	12.146	VV	405931	4476222	38.21%	1.995%
159	12.191	12.146	12.209	VV	548	14158	0.12%	0.006%
160	12.229	12.209	12.269	VV	1110	22119	0.19%	0.010%
161	12.282	12.269	12.294	VV	474	5271	0.04%	0.002%
162	12.308	12.294	12.344	VV	450	7069	0.06%	0.003%
163	12.380	12.344	12.410	PV	416	6522	0.06%	0.003%
164	12.449	12.410	12.475	VV	432	10079	0.09%	0.004%
165	12.493	12.475	12.523	VV	677	15335	0.13%	0.007%
166	12.559	12.523	12.648	VV	1033	49492	0.42%	0.022%
167	12.696	12.648	12.862	VV	46473	661402	5.65%	0.295%
168	12.881	12.862	12.890	VV	671	9515	0.08%	0.004%
169	12.916	12.890	12.972	VV	1670	35155	0.30%	0.016%
170	12.987	12.972	12.999	VV	299	4447	0.04%	0.002%
171	13.033	12.999	13.055	VV	633	13883	0.12%	0.006%
172	13.095	13.055	13.127	VV	476741	5960396	50.87%	2.657%
173	13.167	13.127	13.225	VV	541819	6417714	54.78%	2.861%
174	13.241	13.225	13.253	VV	288	3897	0.03%	0.002%
175	13.263	13.253	13.275	VV	247	2803	0.02%	0.001%
176	13.295	13.275	13.318	VV	385	6719	0.06%	0.003%
177	13.346	13.318	13.382	VV	5305	61459	0.52%	0.027%
178	13.468	13.382	13.496	VV	557651	6361777	54.30%	2.836%
179	13.542	13.496	13.618	VV	318959	3825051	32.65%	1.705%
180	13.654	13.618	13.671	VV	465	9787	0.08%	0.004%
181	13.711	13.671	13.749	VV	483494	5747243	49.05%	2.562%
182	13.765	13.749	13.784	VV	624	11048	0.09%	0.005%
183	13.807	13.784	13.818	VV	685	12243	0.10%	0.005%
184	13.826	13.818	13.875	VV	638	17040	0.15%	0.008%
185	13.902	13.875	13.928	VV	1157	22970	0.20%	0.010%
186	13.944	13.928	14.021	VV	3746	76925	0.66%	0.034%
187	14.044	14.021	14.071	VV	868	20151	0.17%	0.009%
188	14.088	14.071	14.118	VV	750	14823	0.13%	0.007%
189	14.140	14.118	14.183	VV	1097	22599	0.19%	0.010%
190	14.201	14.183	14.222	VV	350	6293	0.05%	0.003%
191	14.250	14.222	14.265	VV	2631	33461	0.29%	0.015%
192	14.301	14.265	14.347	VV	465231	5721618	48.84%	2.551%
193	14.360	14.347	14.373	VV	259	3448	0.03%	0.002%
194	14.385	14.373	14.412	VV	230	3670	0.03%	0.002%

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195	14.430	14.412	14.450	VV	305	4725	0.04%	0.002%
196	14.476	14.450	14.515	VV	1039	15241	0.13%	0.007%
197	14.538	14.515	14.577	VV	370	7325	0.06%	0.003%
198	14.589	14.577	14.608	VV	189	1768	0.02%	0.001%
199	14.636	14.608	14.669	VV	1727	24145	0.21%	0.011%
200	14.699	14.669	14.721	VV	2399	35902	0.31%	0.016%
201	14.742	14.721	14.766	VV	2362	31593	0.27%	0.014%
202	14.789	14.766	14.812	VV	231	4665	0.04%	0.002%
203	14.821	14.812	14.838	VV	144	1365	0.01%	0.001%
204	14.869	14.838	14.892	VV	1071	17044	0.15%	0.008%
205	14.904	14.892	14.946	VV	686	12921	0.11%	0.006%
206	14.969	14.946	15.005	VV	427	9275	0.08%	0.004%
207	15.020	15.005	15.055	VV	345	5394	0.05%	0.002%
208	15.086	15.055	15.125	PV	710	11780	0.10%	0.005%
209	15.179	15.125	15.196	VV	1009	16869	0.14%	0.008%
210	15.206	15.196	15.235	VV	633	10652	0.09%	0.005%
211	15.256	15.235	15.288	VV	487	10814	0.09%	0.005%
212	15.299	15.288	15.318	VV	193	2551	0.02%	0.001%
213	15.361	15.318	15.381	VV	457071	6102273	52.08%	2.720%
214	15.409	15.381	15.446	VV	895695	11716094	100.00%	5.223%
215	15.455	15.446	15.488	VV	1254	14983	0.13%	0.007%
216	15.522	15.488	15.557	VV	238	6199	0.05%	0.003%
217	15.591	15.557	15.635	VV	371	9094	0.08%	0.004%
218	15.651	15.635	15.681	VV	308	3890	0.03%	0.002%
219	15.724	15.681	15.748	PV	165	3762	0.03%	0.002%
220	15.790	15.748	15.873	VV	16595	273096	2.33%	0.122%
221	15.888	15.873	15.908	VV	217	3636	0.03%	0.002%
222	15.934	15.908	15.971	VV	2625	42961	0.37%	0.019%
223	16.012	15.971	16.048	VV	1653	27620	0.24%	0.012%
224	16.063	16.048	16.134	VV	457	6485	0.06%	0.003%
225	16.163	16.134	16.180	PV	320	4459	0.04%	0.002%
226	16.185	16.180	16.191	VV	159	1007	0.01%	0.000%
227	16.205	16.191	16.226	VV	200	2452	0.02%	0.001%
228	16.264	16.226	16.290	PV	459	10295	0.09%	0.005%
229	16.316	16.290	16.341	VV	561	10357	0.09%	0.005%
230	16.353	16.341	16.372	VV	242	3140	0.03%	0.001%
231	16.442	16.372	16.482	VV	431662	5536767	47.26%	2.468%
232	16.502	16.482	16.558	VV	518	7007	0.06%	0.003%
233	16.645	16.558	16.678	PV	915	16080	0.14%	0.007%
234	16.694	16.678	16.704	VV	58	683	0.01%	0.000%
235	16.814	16.704	16.858	PV	2767	53184	0.45%	0.024%
236	16.930	16.858	16.947	VV	402812	5908210	50.43%	2.634%
237	16.967	16.947	16.995	VV	487231	5766552	49.22%	2.571%
238	17.005	16.995	17.027	VV	886	12733	0.11%	0.006%
239	17.054	17.027	17.103	VV	7103	103048	0.88%	0.046%
240	17.124	17.103	17.147	VV	611	10018	0.09%	0.004%
241	17.175	17.147	17.209	VV	2949	42148	0.36%	0.019%
242	17.242	17.209	17.263	VV	959	18708	0.16%	0.008%
243	17.317	17.263	17.345	VV	416498	5646274	48.19%	2.517%
244	17.396	17.345	17.428	VV	399334	5377018	45.89%	2.397%
245	17.445	17.428	17.505	VV	4951	80057	0.68%	0.036%
246	17.515	17.505	17.525	VV	143	1327	0.01%	0.001%

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247	17.558	17.525	17.575	VV	106	2492	0.02%	0.001%
248	17.605	17.575	17.624	PV	256	4896	0.04%	0.002%
249	17.639	17.624	17.655	VV	136	1567	0.01%	0.001%
250	17.685	17.655	17.702	VV	164	2502	0.02%	0.001%
251	17.762	17.702	17.800	PV	1290	30417	0.26%	0.014%
252	17.848	17.800	17.892	VV	3537	55660	0.48%	0.025%
253	17.933	17.892	17.968	PV	674	12782	0.11%	0.006%
254	18.010	17.968	18.045	VV	485	12178	0.10%	0.005%
255	18.078	18.045	18.104	VV	549	9037	0.08%	0.004%
256	18.179	18.104	18.205	PV	4494	71895	0.61%	0.032%
257	18.292	18.205	18.328	VV	378967	5285394	45.11%	2.356%
258	18.339	18.328	18.348	VV	532	5601	0.05%	0.002%
259	18.379	18.348	18.425	VV	2084	38306	0.33%	0.017%
260	18.475	18.425	18.492	VV	801	16628	0.14%	0.007%
261	18.537	18.492	18.578	VV	933	30999	0.26%	0.014%
262	18.700	18.578	18.715	VV	409372	6381518	54.47%	2.845%
263	18.737	18.715	18.788	VV	423319	5529666	47.20%	2.465%
264	18.809	18.788	18.832	VV	1546	29031	0.25%	0.013%
265	18.846	18.832	18.897	VV	814	15788	0.13%	0.007%
266	18.959	18.897	18.990	PV	378585	5480312	46.78%	2.443%
267	19.075	18.990	19.083	VV	198	3247	0.03%	0.001%
268	19.129	19.083	19.175	VV	372907	5100412	43.53%	2.274%
269	19.226	19.175	19.269	PV	2081	50233	0.43%	0.022%
270	19.290	19.269	19.312	VV	655	13279	0.11%	0.006%
271	19.485	19.312	19.511	VV	9171	261662	2.23%	0.117%
272	19.528	19.511	19.578	VV	5659	153495	1.31%	0.068%
273	19.617	19.578	19.644	VV	3460	112977	0.96%	0.050%
274	19.670	19.644	19.687	VV	3131	74738	0.64%	0.033%
275	19.726	19.687	19.743	VV	3261	99860	0.85%	0.045%
276	19.781	19.743	19.810	VV	4094	142059	1.21%	0.063%
277	19.828	19.810	19.847	VV	3683	79802	0.68%	0.036%
278	19.917	19.847	19.958	VV	367893	5492308	46.88%	2.448%
279	19.986	19.958	20.002	VV	5775	132829	1.13%	0.059%
280	20.021	20.002	20.055	VV	6038	168541	1.44%	0.075%
281	20.095	20.055	20.119	VV	5410	192462	1.64%	0.086%
282	20.206	20.119	20.225	VV	5693	328027	2.80%	0.146%
283	20.280	20.225	20.313	VV	10460	403548	3.44%	0.180%
284	20.345	20.313	20.364	VV	7070	212327	1.81%	0.095%
285	20.395	20.364	20.408	VV	7302	186937	1.60%	0.083%
286	20.458	20.408	20.489	VV	10609	391975	3.35%	0.175%
287	20.565	20.489	20.587	VV	10289	520809	4.45%	0.232%
288	20.662	20.587	20.708	VV	347946	5641235	48.15%	2.515%
289	20.801	20.708	20.863	VV	13865	1072747	9.16%	0.478%
290	20.906	20.863	20.945	VV	10873	519514	4.43%	0.232%
291	21.029	20.945	21.062	VV	11401	750760	6.41%	0.335%
292	21.079	21.062	21.094	VV	10255	197475	1.69%	0.088%
293	21.108	21.094	21.125	VV	10002	184628	1.58%	0.082%
294	21.142	21.125	21.166	VV	9971	244427	2.09%	0.109%
295	21.176	21.166	21.197	VV	9683	173042	1.48%	0.077%
296	21.232	21.197	21.272	VV	10005	431396	3.68%	0.192%
297	21.282	21.272	21.300	VV	9273	155043	1.32%	0.069%
298	21.324	21.300	21.343	VV	9018	229445	1.96%	0.102%
299	21.353	21.343	21.382	VV	8818	203251	1.73%	0.091%

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300	21.454	21.382	21.553	VV	272974	5710537	48.74%	2.546%
301	21.619	21.553	21.629	VV	6613	298816	2.55%	0.133%
302	21.664	21.629	21.691	VV	6549	238423	2.04%	0.106%
303	21.772	21.691	21.840	VV	6736	556131	4.75%	0.248%
304	21.852	21.840	21.871	VV	5500	101501	0.87%	0.045%
305	21.913	21.871	21.988	VV	5739	343444	2.93%	0.153%
306	22.006	21.988	22.019	VV	3796	68484	0.58%	0.031%
307	22.071	22.019	22.084	VV	3817	147338	1.26%	0.066%
308	22.096	22.084	22.105	VV	3737	46465	0.40%	0.021%
309	22.134	22.105	22.277	VV	3791	286786	2.45%	0.128%
310	22.297	22.277	22.342	VV	1731	60263	0.51%	0.027%
311	22.364	22.342	22.375	VV	1400	27197	0.23%	0.012%
312	22.462	22.375	22.589	VV	188877	4968372	42.41%	2.215%

Sum of corrected areas: 224325058

Aliphatic EPH 061325.M Tue Jul 08 06:16:56 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:	WC-1MSD			SDG No.:	Q2503
Lab Sample ID:	Q2515-01MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	87.5
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
07/07/25 09:30	07/07/25 18:01	PB168738

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	49.8	E	1	1.35	2.28	mg/kg	FG016233.D
Aliphatic C9-C28	Aliphatic C9-C28	111	E	1	1.04	4.56	mg/kg	FG016233.D
Total AliphaticEPH	Total AliphaticEPH	161			2.39	6.84	mg/kg	
Total EPH	Total EPH	161			2.39	6.84	mg/kg	

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

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

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:	WC-1MSD		SDG No.:	Q2503	
Lab Sample ID:	Q2515-01MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	87.5	
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016233.D	1	07/07/25	07/07/25	PB168738

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	111	E	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	49.8	E	1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.9		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.7		40 - 140	69%	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:	Q2515-01MSD	Acq On:	07 Jul 2025 18:01
Client Sample ID:	WC-1MSD	Operator:	YP\AJ
Data file:	FG016233.D	Misc:	
Instrument:	FID_G	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.313	6.958	24346147	222.678	300	ug/ml
Aliphatic C12-C16	6.959	10.419	34347110	307.152	200	ug/ml
Aliphatic C16-C21	10.420	13.811	52910221	462.18	300	ug/ml
Aliphatic C21-C28	13.812	17.498	53035974	463.641	400	ug/ml
Aliphatic C28-C40	17.499	22.561	60131950	653.638	600	ug/ml
Aliphatic EPH	3.313	22.561	224771402	2110		ug/ml
ortho-Terphenyl (SURR)	12.098	12.098	4481342	34.73		ug/ml
1-chlorooctadecane (SURR)	13.543	13.543	3820596	37.92		ug/ml
Aliphatic C9-C28	3.313	17.498	164639452	1460	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016233.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 18:01
Operator : YP\AJ
Sample : Q2515-01MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
wc-1MSD

Integration File: autoint1.e
Quant Time: Jul 08 02:24:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.098	4481342	34.732 ug/ml
Spiked Amount	50.000		Recovery =	69.46%
12) S	1-chlorooctadecane (S...	13.543	3820596	37.916 ug/ml
Spiked Amount	50.000		Recovery =	75.83%
	Target Compounds			
1) T	n-Nonane (C9)	3.416	3397914	31.405 ug/ml
2) T	n-Decane (C10)	4.678	3909659	35.642 ug/ml
3) T	A~Naphthalene (C11.7)	6.395	5037267	42.160 ug/ml
4) T	n-Dodecane (C12)	6.857	4364747	39.640 ug/ml
5) T	A~2-methylnaphthalene...	7.499	4991395	42.915 ug/ml
6) T	n-Tetradecane (C14)	8.700	4876690	44.407 ug/ml
7) T	n-Hexadecane (C16)	10.319	5441311	47.802 ug/ml
8) T	n-Octadecane (C18)	11.773	5680223	48.793 ug/ml
10) T	n-Eicosane (C20)	13.095	5960121	52.369 ug/ml
11) T	n-Heneicosane (C21)	13.711	5748796	50.779 ug/ml
13) T	n-Docosane (C22)	14.302	5728779	50.393 ug/ml
14) T	n-Tetracosane (C24)	15.409	11720778	101.645 ug/ml
15) T	n-Hexacosane (C26)	16.444	5543207	48.169 ug/ml
16) T	n-Octacosane (C28)	17.397	5373497	47.347 ug/ml
17) T	n-Tricontane (C30)	18.293	5255810	45.906 ug/ml
18) T	n-Dotriacontane (C32)	19.128	5083800	46.628 ug/ml
19) T	n-Tetratriacontane (C34)	19.917	5228433	52.847 ug/ml
20) T	n-Hexatriacontane (C36)	20.662	4935612	58.148 ug/ml
21) T	n-Octatriacontane (C38)	21.456	4928636	65.287 ug/ml
22) T	n-Tetracontane (C40)	22.465	4874653	70.495 ug/ml

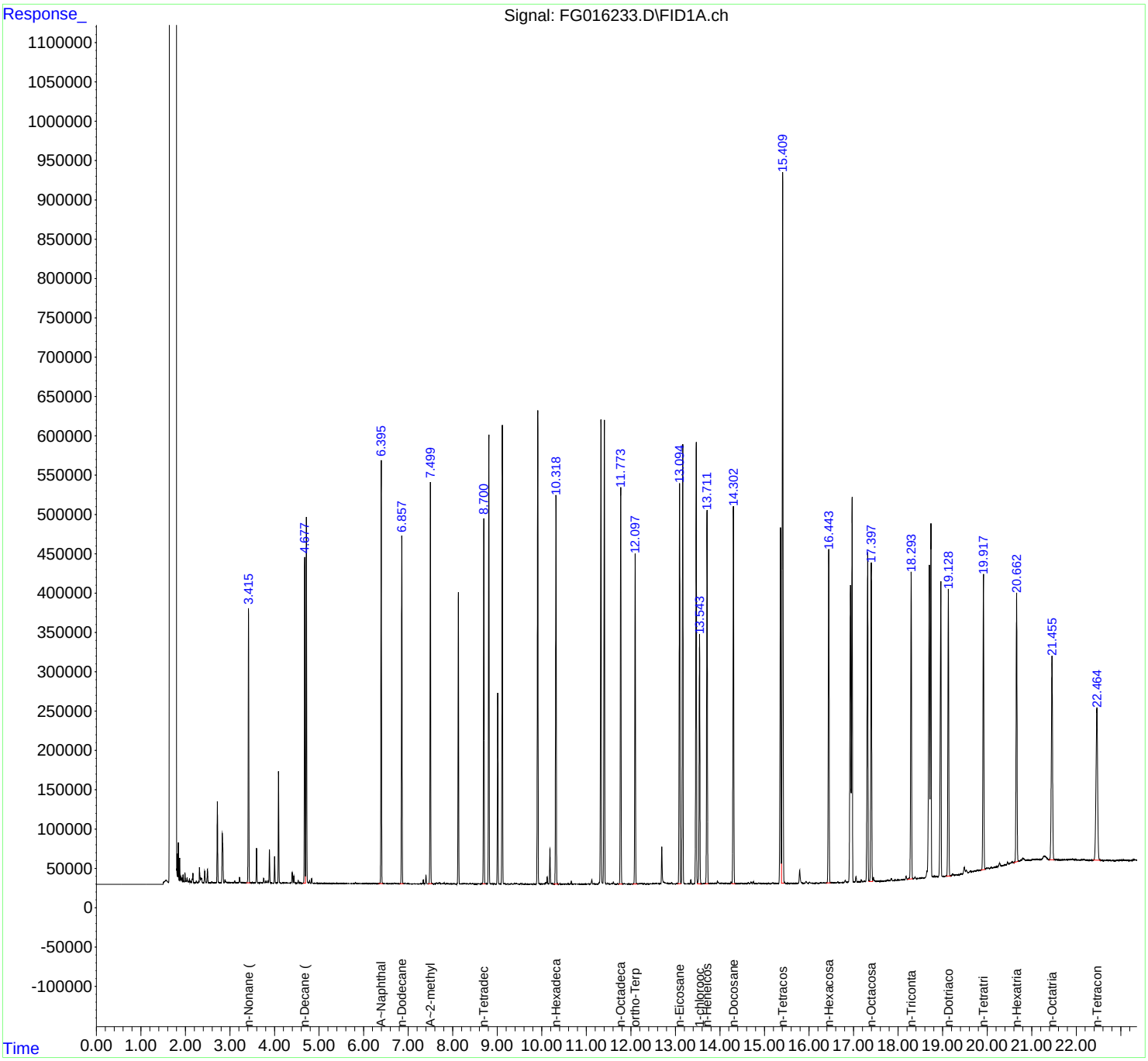
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016233.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 18:01
Operator : YP\AJ
Sample : Q2515-01MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
wc-1MSD

Integration File: autoint1.e
Quant Time: Jul 08 02:24:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016233.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 18:01
Sample : Q2515-01MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.310	3.297	3.338	PV	236	1891	0.02%	0.001%
2	3.359	3.338	3.371	PV	155	1749	0.01%	0.001%
3	3.415	3.371	3.455	VV	348955	3404132	29.00%	1.514%
4	3.468	3.455	3.493	VV	397	5389	0.05%	0.002%
5	3.509	3.493	3.531	VV	578	7261	0.06%	0.003%
6	3.548	3.531	3.571	VV	361	6930	0.06%	0.003%
7	3.596	3.571	3.651	VV	44135	406953	3.47%	0.181%
8	3.683	3.651	3.720	VV	574	12163	0.10%	0.005%
9	3.756	3.720	3.788	VV	6179	71328	0.61%	0.032%
10	3.807	3.788	3.827	VV	2954	35815	0.31%	0.016%
11	3.851	3.827	3.864	VV	2644	33746	0.29%	0.015%
12	3.886	3.864	3.921	VV	42486	383845	3.27%	0.171%
13	3.927	3.921	3.975	VV	188	3130	0.03%	0.001%
14	4.002	3.975	4.039	VV	34096	305256	2.60%	0.136%
15	4.090	4.039	4.159	VV	139876	1262363	10.75%	0.562%
16	4.184	4.159	4.199	VV	686	9320	0.08%	0.004%
17	4.215	4.199	4.235	VV	574	8418	0.07%	0.004%
18	4.261	4.235	4.348	VV	522	17914	0.15%	0.008%
19	4.359	4.348	4.368	VV	381	3484	0.03%	0.002%
20	4.397	4.368	4.418	VV	13819	164215	1.40%	0.073%
21	4.434	4.418	4.491	VV	9484	91690	0.78%	0.041%
22	4.495	4.491	4.507	VV	183	1270	0.01%	0.001%
23	4.533	4.507	4.550	VV	3893	36983	0.32%	0.016%
24	4.558	4.550	4.602	VV	831	10577	0.09%	0.005%
25	4.611	4.602	4.638	VV	195	3470	0.03%	0.002%
26	4.678	4.638	4.696	VV	414266	3915052	33.35%	1.742%
27	4.716	4.696	4.771	VV	459793	4431466	37.75%	1.972%
28	4.787	4.771	4.815	VV	3812	38140	0.32%	0.017%
29	4.834	4.815	4.868	VV	6319	61769	0.53%	0.027%
30	4.898	4.868	4.938	VV	228	4820	0.04%	0.002%
31	4.954	4.938	4.975	VV	1055	10366	0.09%	0.005%
32	4.989	4.975	5.005	VV	181	1879	0.02%	0.001%
33	5.046	5.005	5.061	VV	185	3303	0.03%	0.001%
34	5.091	5.061	5.165	VV	155	5548	0.05%	0.002%
35	5.192	5.165	5.211	VV	199	3679	0.03%	0.002%
36	5.229	5.211	5.247	VV	169	1993	0.02%	0.001%

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37	5.257	5.247	5.266	VV	95	749	0.01%	0.000%
38	5.304	5.266	5.323	VV	570	7566	0.06%	0.003%
39	5.335	5.323	5.368	VV	244	3399	0.03%	0.002%
40	5.387	5.368	5.409	PV	190	3006	0.03%	0.001%
41	5.431	5.409	5.451	VV	148	2597	0.02%	0.001%
42	5.468	5.451	5.514	VV	156	3174	0.03%	0.001%
43	5.550	5.514	5.564	VV	227	3451	0.03%	0.002%
44	5.581	5.564	5.602	VV	179	2244	0.02%	0.001%
45	5.619	5.602	5.640	PV	407	4194	0.04%	0.002%
46	5.657	5.640	5.683	VV	133	1870	0.02%	0.001%
47	5.695	5.683	5.708	VV	111	888	0.01%	0.000%
48	5.715	5.708	5.751	VV	63	999	0.01%	0.000%
49	5.765	5.751	5.793	VV	95	1664	0.01%	0.001%
50	5.818	5.793	5.836	PV	1253	12904	0.11%	0.006%
51	5.850	5.836	5.866	VV	447	4140	0.04%	0.002%
52	5.882	5.866	5.902	VV	280	3674	0.03%	0.002%
53	5.919	5.902	5.936	VV	233	3065	0.03%	0.001%
54	5.948	5.936	5.971	VV	128	1523	0.01%	0.001%
55	5.979	5.971	6.011	VV	34	961	0.01%	0.000%
56	6.019	6.011	6.035	VV	100	969	0.01%	0.000%
57	6.055	6.035	6.113	VV	463	10118	0.09%	0.005%
58	6.135	6.113	6.163	VV	307	3544	0.03%	0.002%
59	6.186	6.163	6.218	PV	317	4235	0.04%	0.002%
60	6.232	6.218	6.253	VV	414	4423	0.04%	0.002%
61	6.273	6.253	6.310	VV	170	2665	0.02%	0.001%
62	6.329	6.310	6.341	VV	200	2612	0.02%	0.001%
63	6.395	6.341	6.431	VV	538892	5050745	43.02%	2.247%
64	6.444	6.431	6.463	VV	582	7927	0.07%	0.004%
65	6.474	6.463	6.529	VV	344	8839	0.08%	0.004%
66	6.566	6.529	6.618	VV	255	7953	0.07%	0.004%
67	6.643	6.618	6.668	VV	235	4157	0.04%	0.002%
68	6.691	6.668	6.727	VV	1094	15314	0.13%	0.007%
69	6.739	6.727	6.778	VV	318	5291	0.05%	0.002%
70	6.784	6.778	6.820	VV	229	3866	0.03%	0.002%
71	6.857	6.820	6.911	VV	444976	4373820	37.26%	1.946%
72	6.928	6.911	6.975	VV	878	12185	0.10%	0.005%
73	7.008	6.975	7.042	VV	280	6541	0.06%	0.003%
74	7.056	7.042	7.116	VV	96	1919	0.02%	0.001%
75	7.144	7.116	7.161	VV	163	2212	0.02%	0.001%
76	7.185	7.161	7.212	VV	78	1603	0.01%	0.001%
77	7.223	7.212	7.237	PV	88	719	0.01%	0.000%
78	7.249	7.237	7.256	VV	76	484	0.00%	0.000%
79	7.279	7.256	7.301	VV	334	4074	0.03%	0.002%
80	7.339	7.301	7.374	VV	5220	51219	0.44%	0.023%
81	7.400	7.374	7.458	VV	10724	106746	0.91%	0.047%
82	7.499	7.458	7.598	VV	507395	5009666	42.67%	2.229%
83	7.602	7.598	7.614	VV	120	784	0.01%	0.000%
84	7.637	7.614	7.675	VV	1643	24535	0.21%	0.011%
85	7.696	7.675	7.712	VV	2027	25736	0.22%	0.011%
86	7.721	7.712	7.751	VV	1051	12480	0.11%	0.006%
87	7.773	7.751	7.791	VV	986	11340	0.10%	0.005%
88	7.807	7.791	7.832	VV	1417	15469	0.13%	0.007%
89	7.861	7.832	7.885	VV	410	8666	0.07%	0.004%

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90	7.899	7.885	7.918	VV	323	4275	0.04%	0.002%
91	7.924	7.918	7.936	VV	126	1295	0.01%	0.001%
92	7.942	7.936	7.968	VV	102	1831	0.02%	0.001%
93	7.986	7.968	8.008	VV	584	6638	0.06%	0.003%
94	8.028	8.008	8.080	VV	486	7857	0.07%	0.003%
95	8.237	8.201	8.258	VV	502	9691	0.08%	0.004%
96	8.270	8.258	8.285	VV	659	7141	0.06%	0.003%
97	8.296	8.285	8.328	VV	425	7040	0.06%	0.003%
98	8.341	8.328	8.365	VV	166	2437	0.02%	0.001%
99	8.388	8.365	8.422	VV	1257	15451	0.13%	0.007%
100	8.445	8.422	8.504	VV	669	11224	0.10%	0.005%
101	8.513	8.504	8.533	VV	71	921	0.01%	0.000%
102	8.590	8.533	8.644	VV	367	12685	0.11%	0.006%
103	8.700	8.644	8.740	VV	465509	4894598	41.69%	2.178%
104	8.756	8.740	8.769	VV	269	3532	0.03%	0.002%
105	8.812	8.769	8.868	VV	569316	5746601	48.95%	2.557%
106	8.883	8.868	8.898	VV	289	3768	0.03%	0.002%
107	8.928	8.898	8.964	VV	552	7989	0.07%	0.004%
108	9.051	9.045	9.081	VV	365	6010	0.05%	0.003%
109	9.115	9.081	9.151	VV	580318	5883513	50.12%	2.618%
110	9.171	9.151	9.215	VV	509	9121	0.08%	0.004%
111	9.236	9.215	9.280	VV	243	4604	0.04%	0.002%
112	9.306	9.280	9.362	VV	506	8169	0.07%	0.004%
113	9.386	9.362	9.404	VV	1167	13397	0.11%	0.006%
114	9.426	9.404	9.491	VV	1004	21521	0.18%	0.010%
115	9.529	9.491	9.548	PV	827	9825	0.08%	0.004%
116	9.558	9.548	9.609	VV	238	4348	0.04%	0.002%
117	9.627	9.609	9.672	VV	342	4299	0.04%	0.002%
118	9.682	9.672	9.688	VV	28	341	0.00%	0.000%
119	9.696	9.688	9.701	PV	61	366	0.00%	0.000%
120	9.717	9.701	9.738	VV	138	1841	0.02%	0.001%
121	9.748	9.738	9.756	VV	81	674	0.01%	0.000%
122	9.774	9.756	9.817	VV	265	4584	0.04%	0.002%
123	9.831	9.817	9.848	VV	225	2207	0.02%	0.001%
124	9.910	9.848	9.939	VV	610230	6261755	53.34%	2.786%
125	9.951	9.939	9.979	VV	633	10022	0.09%	0.004%
126	10.010	9.979	10.030	VV	398	7718	0.07%	0.003%
127	10.053	10.030	10.067	VV	502	7763	0.07%	0.003%
128	10.090	10.067	10.105	VV	2084	28789	0.25%	0.013%
129	10.121	10.105	10.157	VV	9328	97316	0.83%	0.043%
130	10.184	10.157	10.232	VV	45262	465522	3.97%	0.207%
131	10.250	10.232	10.273	VV	582	8367	0.07%	0.004%
132	10.318	10.273	10.374	VV	491375	5446403	46.39%	2.423%
133	10.406	10.374	10.442	VV	478	9468	0.08%	0.004%
134	10.482	10.442	10.527	VV	208	4933	0.04%	0.002%
135	10.545	10.527	10.560	PV	215	2773	0.02%	0.001%
136	10.597	10.560	10.620	VV	461	8170	0.07%	0.004%
137	10.662	10.620	10.690	PV	4123	44123	0.38%	0.020%
138	10.708	10.690	10.724	VV	189	3072	0.03%	0.001%
139	10.760	10.724	10.791	VV	356	7823	0.07%	0.003%
140	10.798	10.791	10.818	VV	183	2008	0.02%	0.001%
141	10.836	10.818	10.860	VV	229	3869	0.03%	0.002%

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142	10.869	10.860	10.916	VV	164	3210	0.03%	0.001%
143	10.928	10.916	10.938	VV	122	1148	0.01%	0.001%
144	10.968	10.938	11.000	VV	379	8394	0.07%	0.004%
145	11.015	11.000	11.041	VV	469	5763	0.05%	0.003%
146	11.059	11.041	11.091	VV	427	6043	0.05%	0.003%
147	11.123	11.091	11.147	VV	5762	73126	0.62%	0.033%
148	11.162	11.147	11.186	VV	598	9854	0.08%	0.004%
149	11.202	11.186	11.233	VV	302	6058	0.05%	0.003%
150	11.328	11.233	11.367	VV	589459	6508418	55.44%	2.896%
151	11.405	11.367	11.455	VV	587428	6531031	55.63%	2.906%
152	11.475	11.455	11.501	VV	979	15090	0.13%	0.007%
153	11.511	11.501	11.551	VV	370	6581	0.06%	0.003%
154	11.572	11.551	11.590	VV	1391	16663	0.14%	0.007%
155	11.608	11.590	11.651	VV	3000	31399	0.27%	0.014%
156	11.701	11.651	11.723	PV	357	6427	0.05%	0.003%
157	11.773	11.723	11.811	VV	493092	5684607	48.42%	2.529%
158	11.851	11.811	11.884	VV	601	13467	0.11%	0.006%
159	11.932	11.884	11.950	VV	281	6591	0.06%	0.003%
160	11.965	11.950	11.995	VV	340	4952	0.04%	0.002%
161	12.017	11.995	12.041	VV	183	2932	0.02%	0.001%
162	12.097	12.041	12.149	VV	419429	4491575	38.26%	1.998%
163	12.166	12.149	12.177	VV	412	5684	0.05%	0.003%
164	12.192	12.177	12.209	VV	576	8571	0.07%	0.004%
165	12.228	12.209	12.271	VV	1155	23705	0.20%	0.011%
166	12.282	12.271	12.296	VV	502	5694	0.05%	0.003%
167	12.309	12.296	12.337	VV	432	6379	0.05%	0.003%
168	12.380	12.337	12.406	PV	427	7927	0.07%	0.004%
169	12.445	12.406	12.466	VV	461	10323	0.09%	0.005%
170	12.492	12.466	12.522	VV	743	18085	0.15%	0.008%
171	12.559	12.522	12.641	VV	1038	48531	0.41%	0.022%
172	12.695	12.641	12.800	VV	47321	638096	5.44%	0.284%
173	12.811	12.800	12.866	VV	1028	30124	0.26%	0.013%
174	12.914	12.866	12.963	VV	1766	43581	0.37%	0.019%
175	12.984	12.963	12.997	VV	293	5256	0.04%	0.002%
176	13.034	12.997	13.058	VV	671	14899	0.13%	0.007%
177	13.095	13.058	13.126	VV	510919	5977132	50.91%	2.659%
178	13.166	13.126	13.225	VV	551844	6444784	54.90%	2.867%
179	13.239	13.225	13.255	VV	273	4102	0.03%	0.002%
180	13.264	13.255	13.274	VV	283	2689	0.02%	0.001%
181	13.289	13.274	13.314	VV	380	6675	0.06%	0.003%
182	13.346	13.314	13.381	VV	5341	62550	0.53%	0.028%
183	13.390	13.381	13.398	VV	179	1522	0.01%	0.001%
184	13.468	13.398	13.495	VV	557431	6381661	54.36%	2.839%
185	13.542	13.495	13.618	VV	311355	3835091	32.67%	1.706%
186	13.653	13.618	13.670	VV	542	10052	0.09%	0.004%
187	13.711	13.670	13.746	VV	475880	5763755	49.10%	2.564%
188	13.765	13.746	13.781	VV	659	11290	0.10%	0.005%
189	13.805	13.781	13.875	VV	736	31963	0.27%	0.014%
190	13.901	13.875	13.925	VV	1196	23159	0.20%	0.010%
191	13.943	13.925	14.021	VV	3687	79509	0.68%	0.035%
192	14.045	14.021	14.069	VV	876	20714	0.18%	0.009%
193	14.088	14.069	14.109	VV	778	13939	0.12%	0.006%
194	14.140	14.109	14.181	VV	1076	25205	0.21%	0.011%

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195	14.212	14.181	14.221	VV	313	6752	0.06%	0.003%
196	14.250	14.221	14.268	VV	2555	35347	0.30%	0.016%
197	14.302	14.268	14.409	VV	477625	5745518	48.94%	2.556%
198	14.432	14.409	14.449	VV	290	4179	0.04%	0.002%
199	14.476	14.449	14.515	VV	1081	15705	0.13%	0.007%
200	14.538	14.515	14.569	VV	385	7410	0.06%	0.003%
201	14.586	14.569	14.608	VV	141	2529	0.02%	0.001%
202	14.635	14.608	14.671	VV	1861	24813	0.21%	0.011%
203	14.699	14.671	14.721	VV	2429	36041	0.31%	0.016%
204	14.742	14.721	14.775	VV	2399	33667	0.29%	0.015%
205	14.782	14.775	14.841	VV	233	6107	0.05%	0.003%
206	14.870	14.841	14.891	VV	1103	17193	0.15%	0.008%
207	14.905	14.891	14.951	VV	629	14571	0.12%	0.006%
208	14.971	14.951	15.007	VV	458	9866	0.08%	0.004%
209	15.024	15.007	15.053	VV	390	5264	0.04%	0.002%
210	15.087	15.053	15.124	PV	673	12042	0.10%	0.005%
211	15.179	15.124	15.196	PV	986	16358	0.14%	0.007%
212	15.207	15.196	15.231	VV	633	10060	0.09%	0.004%
213	15.253	15.231	15.313	VV	531	12785	0.11%	0.006%
214	15.361	15.313	15.381	VV	452335	6108428	52.03%	2.718%
215	15.408	15.381	15.445	VV	900058	11739593	100.00%	5.223%
216	15.455	15.445	15.495	VV	1329	15332	0.13%	0.007%
217	15.524	15.495	15.551	VV	202	4213	0.04%	0.002%
218	15.590	15.551	15.631	VV	303	8069	0.07%	0.004%
219	15.654	15.631	15.681	VV	241	3625	0.03%	0.002%
220	15.708	15.681	15.752	PV	155	4166	0.04%	0.002%
221	15.791	15.752	15.875	VV	16669	273977	2.33%	0.122%
222	15.889	15.875	15.904	VV	228	3092	0.03%	0.001%
223	15.933	15.904	15.971	VV	2529	43009	0.37%	0.019%
224	16.013	15.971	16.045	VV	1592	27633	0.24%	0.012%
225	16.066	16.045	16.097	VV	453	6151	0.05%	0.003%
226	16.161	16.097	16.180	PV	302	4625	0.04%	0.002%
227	16.203	16.180	16.225	VV	184	2920	0.02%	0.001%
228	16.258	16.225	16.291	PV	489	10537	0.09%	0.005%
229	16.317	16.291	16.341	VV	647	10198	0.09%	0.005%
230	16.358	16.341	16.377	VV	234	3705	0.03%	0.002%
231	16.444	16.377	16.488	VV	420347	5554442	47.31%	2.471%
232	16.505	16.488	16.551	VV	536	7072	0.06%	0.003%
233	16.580	16.551	16.594	VV	141	1919	0.02%	0.001%
234	16.645	16.594	16.701	PV	932	16025	0.14%	0.007%
235	16.761	16.701	16.771	PV	194	3914	0.03%	0.002%
236	16.814	16.771	16.853	VV	2715	46757	0.40%	0.021%
237	16.931	16.853	16.948	VV	378392	5902870	50.28%	2.626%
238	16.967	16.948	16.995	VV	489371	5759266	49.06%	2.562%
239	17.007	16.995	17.027	VV	821	11834	0.10%	0.005%
240	17.055	17.027	17.104	VV	7218	99958	0.85%	0.044%
241	17.122	17.104	17.146	VV	590	9111	0.08%	0.004%
242	17.175	17.146	17.211	VV	2885	41815	0.36%	0.019%
243	17.243	17.211	17.264	VV	963	18291	0.16%	0.008%
244	17.316	17.264	17.345	VV	424477	5643241	48.07%	2.511%
245	17.397	17.345	17.429	VV	404425	5389048	45.90%	2.398%
246	17.446	17.429	17.501	VV	5162	82405	0.70%	0.037%

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247	17.523	17.501	17.538	VV	152	2695	0.02%	0.001%
248	17.546	17.538	17.564	VV	126	1309	0.01%	0.001%
249	17.600	17.564	17.624	PV	198	3701	0.03%	0.002%
250	17.762	17.624	17.800	VV	1294	30492	0.26%	0.014%
251	17.848	17.800	17.901	VV	3101	50215	0.43%	0.022%
252	17.935	17.901	17.962	PV	733	11543	0.10%	0.005%
253	18.010	17.962	18.048	VV	496	13292	0.11%	0.006%
254	18.077	18.048	18.104	VV	503	8748	0.07%	0.004%
255	18.180	18.104	18.207	PV	4572	72148	0.61%	0.032%
256	18.293	18.207	18.329	VV	390080	5288109	45.05%	2.353%
257	18.379	18.329	18.425	VV	2284	52248	0.45%	0.023%
258	18.477	18.425	18.493	VV	773	16639	0.14%	0.007%
259	18.536	18.493	18.577	VV	799	25106	0.21%	0.011%
260	18.700	18.577	18.715	VV	396875	6349818	54.09%	2.825%
261	18.737	18.715	18.787	VV	453796	5542848	47.21%	2.466%
262	18.810	18.787	18.831	VV	1640	31351	0.27%	0.014%
263	18.848	18.831	18.872	VV	1047	19577	0.17%	0.009%
264	18.881	18.872	18.890	VV	507	4757	0.04%	0.002%
265	18.959	18.890	18.991	VV	372921	5504005	46.88%	2.449%
266	19.018	18.991	19.031	VV	336	7398	0.06%	0.003%
267	19.075	19.031	19.083	VV	374	8367	0.07%	0.004%
268	19.128	19.083	19.183	VV	364139	5094016	43.39%	2.266%
269	19.226	19.183	19.269	PV	2123	50562	0.43%	0.022%
270	19.288	19.269	19.315	VV	705	14648	0.12%	0.007%
271	19.348	19.315	19.358	VV	519	12234	0.10%	0.005%
272	19.486	19.358	19.513	VV	8837	244119	2.08%	0.109%
273	19.531	19.513	19.568	VV	4902	125311	1.07%	0.056%
274	19.619	19.568	19.645	VV	3583	126712	1.08%	0.056%
275	19.670	19.645	19.686	VV	3122	72305	0.62%	0.032%
276	19.728	19.686	19.743	VV	3431	105189	0.90%	0.047%
277	19.779	19.743	19.805	VV	4001	128225	1.09%	0.057%
278	19.916	19.805	19.959	VV	382382	5565986	47.41%	2.476%
279	19.986	19.959	20.001	VV	5554	124980	1.06%	0.056%
280	20.021	20.001	20.045	VV	5735	136989	1.17%	0.061%
281	20.097	20.045	20.121	VV	5639	234818	2.00%	0.104%
282	20.208	20.121	20.226	VV	5915	348970	2.97%	0.155%
283	20.276	20.226	20.314	VV	10053	390293	3.32%	0.174%
284	20.393	20.314	20.413	VV	7055	391828	3.34%	0.174%
285	20.458	20.413	20.491	VV	10257	379315	3.23%	0.169%
286	20.562	20.491	20.587	VV	10274	519484	4.43%	0.231%
287	20.661	20.587	20.699	VV	350201	5570846	47.45%	2.478%
288	20.801	20.699	20.819	VV	13565	816312	6.95%	0.363%
289	20.826	20.819	20.862	VV	12165	288991	2.46%	0.129%
290	20.891	20.862	20.923	VV	10509	381379	3.25%	0.170%
291	20.941	20.923	20.968	VV	10195	271835	2.32%	0.121%
292	21.026	20.968	21.064	VV	10908	590874	5.03%	0.263%
293	21.079	21.064	21.115	VV	10274	308963	2.63%	0.137%
294	21.141	21.115	21.184	VV	10265	410386	3.50%	0.183%
295	21.206	21.184	21.214	VV	9542	172373	1.47%	0.077%
296	21.295	21.214	21.393	VV	13223	1160059	9.88%	0.516%
297	21.455	21.393	21.505	VV	262138	5447156	46.40%	2.423%
298	21.522	21.505	21.545	VV	7583	179382	1.53%	0.080%
299	21.554	21.545	21.599	VV	7337	231087	1.97%	0.103%

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300	21.616	21.599	21.655	VV	6579	213369	1.82%	0.095%
301	21.708	21.655	21.731	VV	6259	285342	2.43%	0.127%
302	21.779	21.731	21.797	VV	5952	234743	2.00%	0.104%
303	21.838	21.797	21.848	VV	5814	173086	1.47%	0.077%
304	21.905	21.848	21.961	VV	5909	380792	3.24%	0.169%
305	21.990	21.961	22.046	VV	4909	230406	1.96%	0.103%
306	22.058	22.046	22.087	VV	4060	96765	0.82%	0.043%
307	22.113	22.087	22.130	VV	3890	95786	0.82%	0.043%
308	22.150	22.130	22.177	VV	3869	105128	0.90%	0.047%
309	22.186	22.177	22.234	VV	3659	110557	0.94%	0.049%
310	22.267	22.234	22.298	VV	2806	102792	0.88%	0.046%
311	22.310	22.298	22.337	VV	2474	53269	0.45%	0.024%
312	22.463	22.337	22.601	VBA	195412	5109922	43.53%	2.273%

Sum of corrected areas: 224773298

Aliphatic EPH 061325.M Tue Jul 08 06:17:26 2025

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

Manual Integration Report

Sequence:	FE062725AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
50 PPM ALIPHATIC HC	FE054609.D	n-Octatriacontane (C38)	yogesh	6/30/2025 7:50:48 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software
50 PPM ALIPHATIC HC	FE054609.D	n-Tetracontane (C40)	yogesh	6/30/2025 7:50:48 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software
Q2429-02	FE054617.D	ortho-Terphenyl (SURR)	yogesh	6/30/2025 7:50:50 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054624.D	n-Hexacosane (C26)	yogesh	6/30/2025 7:50:52 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054624.D	n-Tetracontane (C40)	yogesh	6/30/2025 7:50:52 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FE070725AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE054697.D	n-Hexatriacontane (C36)	yogesh	7/7/2025 11:32:52 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054697.D	n-Tetracosane (C24)	yogesh	7/7/2025 11:32:52 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2491-02DL	FE054702.D	ortho-Terphenyl (SURR)	yogesh	7/8/2025 7:43:15 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054704.D	n-Hexatriacontane (C36)	yogesh	7/8/2025 7:43:13 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054704.D	n-Octatriacontane (C38)	yogesh	7/8/2025 7:43:13 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054704.D	n-Tetracontane (C40)	yogesh	7/8/2025 7:43:13 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054704.D	n-Tetracosane (C24)	yogesh	7/8/2025 7:43:13 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2487-14	FE054710.D	1-chlorooctadecane (SURR)	yogesh	7/8/2025 7:43:17 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2487-16	FE054712.D	1-chlorooctadecane (SURR)	yogesh	7/8/2025 7:43:19 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054714.D	n-Dotriacontane (C32)	yogesh	7/8/2025 7:43:20 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054714.D	n-Hexatriacontane (C36)	yogesh	7/8/2025 7:43:20 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054714.D	n-Tetratriacontane (C34)	yogesh	7/8/2025 7:43:20 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054714.D	n-Tricontane (C30)	yogesh	7/8/2025 7:43:20 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE070725AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2507-01	FE054717.D	ortho-Terphenyl (SURR)	yogesh	7/8/2025 7:43:22 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2507-02	FE054718.D	ortho-Terphenyl (SURR)	yogesh	7/8/2025 7:43:24 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2513-01	FE054719.D	1-chlorooctadecane (SURR)	yogesh	7/8/2025 7:43:26 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2513-01	FE054719.D	ortho-Terphenyl (SURR)	yogesh	7/8/2025 7:43:26 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2513-02	FE054720.D	1-chlorooctadecane (SURR)	yogesh	7/8/2025 7:43:27 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2513-02	FE054720.D	ortho-Terphenyl (SURR)	yogesh	7/8/2025 7:43:27 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054724.D	n-Docosane (C22)	yogesh	7/8/2025 7:43:40 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054724.D	n-Hexatriacontane (C36)	yogesh	7/8/2025 7:43:40 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054724.D	n-Octatriacontane (C38)	yogesh	7/8/2025 7:43:40 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054724.D	n-Tetracosane (C24)	yogesh	7/8/2025 7:43:40 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software

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Manual Integration Report

Sequence:	FG061325AL	Instrument	FID_g

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

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Manual Integration Report

Sequence:	FG070725AL	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FG016226.D	n-Hexatriacontane (C36)	yogesh	7/8/2025 8:03:13 AM	mohammad	7/9/2025 1:51:09	Peak Integrated by Software
20 PPM ALIPHATIC HC	FG016226.D	n-Tetracontane (C40)	yogesh	7/8/2025 8:03:13 AM	mohammad	7/9/2025 1:51:09	Peak Integrated by Software
20 PPM ALIPHATIC HC	FG016226.D	n-Tetratriacontane (C34)	yogesh	7/8/2025 8:03:13 AM	mohammad	7/9/2025 1:51:09	Peak Integrated by Software
PB168738BS	FG016228.D	n-Hexatriacontane (C36)	yogesh	7/8/2025 8:03:15 AM	mohammad	7/9/2025 1:51:09	Peak Integrated by Software

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Manual Integration Report

Sequence:	FG070825AL	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FG016238.D	n-Hexatriacontane (C36)	yogesh	7/9/2025 7:24:32 AM	mohammad	7/10/2025 2:03:56	Peak Integrated by Software

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE062725AL

Review By	yogesh	Review On	6/27/2025 12:30:13 PM		
Supervise By	mohammad	Supervise On	6/30/2025 9:33:27 AM		
SubDirectory	FE062725AL	HP Acquire Method		HP Processing Method	FE062725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	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	FE054606.D	27 Jun 2025 11:53	YP\AJ	Ok
2	I.BLK	FE054607.D	27 Jun 2025 12:23	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE054608.D	27 Jun 2025 12:53	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE054609.D	27 Jun 2025 13:23	YP\AJ	Ok,M
5	20 PPM ALIPHATIC HC STD3	FE054610.D	27 Jun 2025 13:53	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE054611.D	27 Jun 2025 14:23	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE054612.D	27 Jun 2025 14:54	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE054613.D	27 Jun 2025 15:24	YP\AJ	Ok
9	I.BLK	FE054614.D	27 Jun 2025 15:54	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE054615.D	27 Jun 2025 16:24	YP\AJ	Ok
11	Q2429-01	FE054616.D	27 Jun 2025 16:54	YP\AJ	Ok
12	Q2429-02	FE054617.D	27 Jun 2025 17:25	YP\AJ	Ok,M
13	Q2431-01	FE054618.D	27 Jun 2025 17:55	YP\AJ	Ok
14	Q2431-02	FE054619.D	27 Jun 2025 18:25	YP\AJ	Not Ok
15	Q2431-03	FE054620.D	27 Jun 2025 18:55	YP\AJ	Ok
16	Q2431-04	FE054621.D	27 Jun 2025 19:25	YP\AJ	Ok
17	Q2431-05	FE054622.D	27 Jun 2025 19:56	YP\AJ	Not Ok
18	I.BLK	FE054623.D	27 Jun 2025 20:56	YP\AJ	Ok
19	20 PPM ALIPHATIC HC STD	FE054624.D	27 Jun 2025 22:57	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE070725AL

Review By	yogesh	Review On	7/7/2025 11:20:48 AM		
Supervise By	mohammad	Supervise On	7/8/2025 9:14:49 AM		
SubDirectory	FE070725AL	HP Acquire Method		HP Processing Method	FE062725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE054695.D	07 Jul 2025 08:46	YP\AJ	Ok
2	I.BLK	FE054696.D	07 Jul 2025 09:17	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE054697.D	07 Jul 2025 09:47	YP\AJ	Ok,M
4	Q2480-05DL	FE054698.D	07 Jul 2025 10:24	YP\AJ	Ok
5	Q2491-01	FE054699.D	07 Jul 2025 10:55	YP\AJ	Dilution
6	Q2491-02	FE054700.D	07 Jul 2025 11:25	YP\AJ	Dilution
7	Q2491-01DL	FE054701.D	07 Jul 2025 11:56	YP\AJ	Ok
8	Q2491-02DL	FE054702.D	07 Jul 2025 12:26	YP\AJ	Ok,M
9	I.BLK	FE054703.D	07 Jul 2025 13:27	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE054704.D	07 Jul 2025 13:58	YP\AJ	Ok,M
11	Q2487-09	FE054705.D	07 Jul 2025 14:59	YP\AJ	Ok
12	Q2487-10	FE054706.D	07 Jul 2025 15:29	YP\AJ	Ok
13	Q2487-11	FE054707.D	07 Jul 2025 16:00	YP\AJ	Dilution
14	Q2487-12	FE054708.D	07 Jul 2025 16:30	YP\AJ	Ok
15	Q2487-13	FE054709.D	07 Jul 2025 17:01	YP\AJ	Dilution
16	Q2487-14	FE054710.D	07 Jul 2025 17:32	YP\AJ	Dilution
17	Q2487-15	FE054711.D	07 Jul 2025 18:02	YP\AJ	Dilution
18	Q2487-16	FE054712.D	07 Jul 2025 18:33	YP\AJ	Dilution
19	I.BLK	FE054713.D	07 Jul 2025 19:34	YP\AJ	Ok
20	20 PPM ALIPHATIC HC STD	FE054714.D	07 Jul 2025 20:35	YP\AJ	Ok,M
21	Q2503-03	FE054715.D	07 Jul 2025 21:05	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE070725AL

Review By	yogesh	Review On	7/7/2025 11:20:48 AM		
Supervise By	mohammad	Supervise On	7/8/2025 9:14:49 AM		
SubDirectory	FE070725AL	HP Acquire Method		HP Processing Method	FE062725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2503-04	FE054716.D	07 Jul 2025 21:36	YP\AJ	Ok
23	Q2507-01	FE054717.D	07 Jul 2025 22:06	YP\AJ	Dilution
24	Q2507-02	FE054718.D	07 Jul 2025 22:36	YP\AJ	Dilution
25	Q2513-01	FE054719.D	07 Jul 2025 23:07	YP\AJ	Dilution
26	Q2513-02	FE054720.D	07 Jul 2025 23:37	YP\AJ	Dilution
27	Q2513-03	FE054721.D	08 Jul 2025 00:08	YP\AJ	Dilution
28	Q2513-04	FE054722.D	08 Jul 2025 00:38	YP\AJ	Not Ok
29	I.BLK	FE054723.D	08 Jul 2025 01:39	YP\AJ	Ok
30	20 PPM ALIPHATIC HC STD	FE054724.D	08 Jul 2025 02:09	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG061325AL

Review By	yogesh	Review On	6/13/2025 12:52:17 PM		
Supervise By	mohammad	Supervise On	6/17/2025 3:40:36 AM		
SubDirectory	FG061325AL	HP Acquire Method		HP Processing Method	FG061325AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG016069.D	13 Jun 2025 13:06	YP\AJ	Ok
2	I.BLK	FG016070.D	13 Jun 2025 13:35	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FG016071.D	13 Jun 2025 14:05	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FG016072.D	13 Jun 2025 14:34	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FG016073.D	13 Jun 2025 15:03	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FG016074.D	13 Jun 2025 15:33	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FG016075.D	13 Jun 2025 16:02	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FG016076.D	13 Jun 2025 16:31	YP\AJ	Ok
9	I.BLK	FG016077.D	13 Jun 2025 17:30	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FG016078.D	13 Jun 2025 18:00	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG070725AL

Review By	yogesh	Review On	7/7/2025 12:23:40 PM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:09 AM		
SubDirectory	FG070725AL	HP Acquire Method		HP Processing Method	FG061325AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG016224.D	07 Jul 2025 09:19	YP\AJ	Ok
2	I.BLK	FG016225.D	07 Jul 2025 09:49	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FG016226.D	07 Jul 2025 10:55	YP\AJ	Ok,M
4	PB168738BL	FG016227.D	07 Jul 2025 15:02	YP\AJ	Ok
5	PB168738BS	FG016228.D	07 Jul 2025 15:32	YP\AJ	Not Ok
6	PB168738BSD	FG016229.D	07 Jul 2025 16:02	YP\AJ	Not Ok
7	Q2515-01	FG016230.D	07 Jul 2025 16:32	YP\AJ	Ok
8	Q2515-01D	FG016231.D	07 Jul 2025 17:01	YP\AJ	Ok
9	Q2515-01MS	FG016232.D	07 Jul 2025 17:31	YP\AJ	Ok
10	Q2515-01MSD	FG016233.D	07 Jul 2025 18:01	YP\AJ	Ok
11	I.BLK	FG016234.D	07 Jul 2025 19:01	YP\AJ	Ok
12	20 PPM ALIPHATIC HC STD	FG016235.D	07 Jul 2025 19:30	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG070825AL

Review By	yogesh	Review On	7/8/2025 1:12:39 PM		
Supervise By	mohammad	Supervise On	7/10/2025 2:03:56 AM		
SubDirectory	FG070825AL	HP Acquire Method		HP Processing Method	FG061325AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG016236.D	08 Jul 2025 09:18	YP\AJ	Ok
2	I.BLK	FG016237.D	08 Jul 2025 09:48	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FG016238.D	08 Jul 2025 10:17	YP\AJ	Ok,M
4	PB168738BS	FG016239.D	08 Jul 2025 10:54	YP\AJ	Ok
5	PB168738BSD	FG016240.D	08 Jul 2025 11:25	YP\AJ	Ok
6	I.BLK	FG016241.D	08 Jul 2025 11:55	YP\AJ	Ok
7	20 PPM ALIPHATIC HC STD	FG016242.D	08 Jul 2025 12:54	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE062725AL

Review By	yogesh	Review On	6/27/2025 12:30:13 PM		
Supervise By	mohammad	Supervise On	6/30/2025 9:33:27 AM		
SubDirectory	FE062725AL	HP Acquire Method		HP Processing Method	FE062725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	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	FE054606.D	27 Jun 2025 11:53		YP\AJ	Ok
2	I.BLK	I.BLK	FE054607.D	27 Jun 2025 12:23		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE054608.D	27 Jun 2025 12:53		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE054609.D	27 Jun 2025 13:23		YP\AJ	Ok,M
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054610.D	27 Jun 2025 13:53		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE054611.D	27 Jun 2025 14:23		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE054612.D	27 Jun 2025 14:54		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054613.D	27 Jun 2025 15:24		YP\AJ	Ok
9	I.BLK	I.BLK	FE054614.D	27 Jun 2025 15:54		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054615.D	27 Jun 2025 16:24		YP\AJ	Ok
11	Q2429-01	TP-4	FE054616.D	27 Jun 2025 16:54		YP\AJ	Ok
12	Q2429-02	TP-4-EPH	FE054617.D	27 Jun 2025 17:25		YP\AJ	Ok,M
13	Q2431-01	S-1	FE054618.D	27 Jun 2025 17:55		YP\AJ	Ok
14	Q2431-02	Q2431-02	FE054619.D	27 Jun 2025 18:25	Need to run again	YP\AJ	Not Ok
15	Q2431-03	S-3	FE054620.D	27 Jun 2025 18:55		YP\AJ	Ok
16	Q2431-04	S-4	FE054621.D	27 Jun 2025 19:25		YP\AJ	Ok
17	Q2431-05	Q2431-05	FE054622.D	27 Jun 2025 19:56	Need to run again	YP\AJ	Not Ok
18	I.BLK	I.BLK	FE054623.D	27 Jun 2025 20:56		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE062725AL

Review By	yogesh	Review On	6/27/2025 12:30:13 PM		
Supervise By	mohammad	Supervise On	6/30/2025 9:33:27 AM		
SubDirectory	FE062725AL	HP Acquire Method		HP Processing Method	FE062725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054624.D	27 Jun 2025 22:57		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE070725AL

Review By	yogesh	Review On	7/7/2025 11:20:48 AM		
Supervise By	mohammad	Supervise On	7/8/2025 9:14:49 AM		
SubDirectory	FE070725AL	HP Acquire Method		HP Processing Method	FE062725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
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	FE054695.D	07 Jul 2025 08:46		YP\AJ	Ok
2	I.BLK	I.BLK	FE054696.D	07 Jul 2025 09:17		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054697.D	07 Jul 2025 09:47		YP\AJ	Ok,M
4	Q2480-05DL	GPX5DL	FE054698.D	07 Jul 2025 10:24		YP\AJ	Ok
5	Q2491-01	EO-1-070225	FE054699.D	07 Jul 2025 10:55	Need 10x	YP\AJ	Dilution
6	Q2491-02	EO-1-070225-E2	FE054700.D	07 Jul 2025 11:25	Need 10x	YP\AJ	Dilution
7	Q2491-01DL	EO-1-070225DL	FE054701.D	07 Jul 2025 11:56		YP\AJ	Ok
8	Q2491-02DL	EO-1-070225-E2DL	FE054702.D	07 Jul 2025 12:26		YP\AJ	Ok,M
9	I.BLK	I.BLK	FE054703.D	07 Jul 2025 13:27		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054704.D	07 Jul 2025 13:58		YP\AJ	Ok,M
11	Q2487-09	G4(0-6)	FE054705.D	07 Jul 2025 14:59		YP\AJ	Ok
12	Q2487-10	G4(6-12)	FE054706.D	07 Jul 2025 15:29		YP\AJ	Ok
13	Q2487-11	G3(0-6)	FE054707.D	07 Jul 2025 16:00	need 5x dilution	YP\AJ	Dilution
14	Q2487-12	G3(6-12)	FE054708.D	07 Jul 2025 16:30		YP\AJ	Ok
15	Q2487-13	G2(0-6)	FE054709.D	07 Jul 2025 17:01	need 2x dilution	YP\AJ	Dilution
16	Q2487-14	G2(6-12)	FE054710.D	07 Jul 2025 17:32	need 5x dilution	YP\AJ	Dilution
17	Q2487-15	G1(0-6)	FE054711.D	07 Jul 2025 18:02	need 5x dilution	YP\AJ	Dilution
18	Q2487-16	G1(6-12)	FE054712.D	07 Jul 2025 18:33	need 5x dilution	YP\AJ	Dilution

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE070725AL

Review By	yogesh	Review On	7/7/2025 11:20:48 AM		
Supervise By	mohammad	Supervise On	7/8/2025 9:14:49 AM		
SubDirectory	FE070725AL	HP Acquire Method		HP Processing Method	FE062725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	I.BLK	I.BLK	FE054713.D	07 Jul 2025 19:34		YP\AJ	Ok
20	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054714.D	07 Jul 2025 20:35		YP\AJ	Ok,M
21	Q2503-03	GCAP2	FE054715.D	07 Jul 2025 21:05		YP\AJ	Ok
22	Q2503-04	GCAP3	FE054716.D	07 Jul 2025 21:36		YP\AJ	Ok
23	Q2507-01	SU-04-07032025	FE054717.D	07 Jul 2025 22:06	need 5x dilution	YP\AJ	Dilution
24	Q2507-02	SU-04-07032025-EPH	FE054718.D	07 Jul 2025 22:36	need 2x dilution	YP\AJ	Dilution
25	Q2513-01	HR-2-070325	FE054719.D	07 Jul 2025 23:07	need 10x dilution	YP\AJ	Dilution
26	Q2513-02	HR-2-070325-E2	FE054720.D	07 Jul 2025 23:37	need 10x dilution	YP\AJ	Dilution
27	Q2513-03	HR-3-070325	FE054721.D	08 Jul 2025 00:08	need 2x dilution	YP\AJ	Dilution
28	Q2513-04	HR-3-070325-E2	FE054722.D	08 Jul 2025 00:38	need 2x dilution	YP\AJ	Not Ok
29	I.BLK	I.BLK	FE054723.D	08 Jul 2025 01:39		YP\AJ	Ok
30	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054724.D	08 Jul 2025 02:09		YP\AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG061325AL

Review By	yogesh	Review On	6/13/2025 12:52:17 PM		
Supervise By	mohammad	Supervise On	6/17/2025 3:40:36 AM		
SubDirectory	FG061325AL	HP Acquire Method		HP Processing Method	FG061325AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
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	FG016069.D	13 Jun 2025 13:06		YP\AJ	Ok
2	I.BLK	I.BLK	FG016070.D	13 Jun 2025 13:35		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FG016071.D	13 Jun 2025 14:05		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FG016072.D	13 Jun 2025 14:34		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016073.D	13 Jun 2025 15:03		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FG016074.D	13 Jun 2025 15:33		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FG016075.D	13 Jun 2025 16:02		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016076.D	13 Jun 2025 16:31		YP\AJ	Ok
9	I.BLK	I.BLK	FG016077.D	13 Jun 2025 17:30		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016078.D	13 Jun 2025 18:00		YP\AJ	Ok

M : Manual Integration

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

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG070725AL

Review By	yogesh	Review On	7/7/2025 12:23:40 PM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:09 AM		
SubDirectory	FG070725AL	HP Acquire Method		HP Processing Method	FG061325AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
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	FG016224.D	07 Jul 2025 09:19		YP\AJ	Ok
2	I.BLK	I.BLK	FG016225.D	07 Jul 2025 09:49		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016226.D	07 Jul 2025 10:55		YP\AJ	Ok,M
4	PB168738BL	PB168738BL	FG016227.D	07 Jul 2025 15:02		YP\AJ	Ok
5	PB168738BS	PB168738BS	FG016228.D	07 Jul 2025 15:32	Recovery fail	YP\AJ	Not Ok
6	PB168738BSD	PB168738BSD	FG016229.D	07 Jul 2025 16:02	Recovery fail	YP\AJ	Not Ok
7	Q2515-01	WC-1	FG016230.D	07 Jul 2025 16:32		YP\AJ	Ok
8	Q2515-01D	Q2515-01D	FG016231.D	07 Jul 2025 17:01		YP\AJ	Ok
9	Q2515-01MS	WC-1MS	FG016232.D	07 Jul 2025 17:31	FG016230.D	YP\AJ	Ok
10	Q2515-01MSD	WC-1MSD	FG016233.D	07 Jul 2025 18:01	FG016230.D!FG016232.D	YP\AJ	Ok
11	I.BLK	I.BLK	FG016234.D	07 Jul 2025 19:01		YP\AJ	Ok
12	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016235.D	07 Jul 2025 19:30		YP\AJ	Ok

M : Manual Integration

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

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG070825AL

Review By	yogesh	Review On	7/8/2025 1:12:39 PM		
Supervise By	mohammad	Supervise On	7/10/2025 2:03:56 AM		
SubDirectory	FG070825AL	HP Acquire Method		HP Processing Method	FG061325AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
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	FG016236.D	08 Jul 2025 09:18		YP\AJ	Ok
2	I.BLK	I.BLK	FG016237.D	08 Jul 2025 09:48		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016238.D	08 Jul 2025 10:17		YP\AJ	Ok,M
4	PB168738BS	PB168738BS	FG016239.D	08 Jul 2025 10:54		YP\AJ	Ok
5	PB168738BSD	PB168738BSD	FG016240.D	08 Jul 2025 11:25		YP\AJ	Ok
6	I.BLK	I.BLK	FG016241.D	08 Jul 2025 11:55		YP\AJ	Ok
7	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016242.D	08 Jul 2025 12:54		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136368

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
Q2487-01	G4(1.5)	1	1.15	10.21	11.36	10.14	88.1	
Q2487-02	G4(10)	2	1.19	10.38	11.57	8.76	72.9	
Q2487-03	G3(9)	3	1.15	10.66	11.81	7.38	58.4	
Q2487-04	G3(3)	4	1.15	10.80	11.95	10.8	89.4	
Q2487-05	G2(2.5)	5	1.17	10.00	11.17	10.48	93.1	
Q2487-06	G2(9)	6	1.16	10.26	11.42	8.00	66.7	
Q2487-07	G1(4.5)	7	1.19	10.11	11.3	7.8	65.4	
Q2487-08	G1(10)	8	1.16	9.96	11.12	6.65	55.1	
Q2487-09	G4(0-6)	9	1.18	10.26	11.44	10.12	87.1	
Q2487-10	G4(6-12)	10	1.16	10.14	11.3	8.52	72.6	
Q2487-11	G3(0-6)	11	1.18	10.42	11.6	10.68	91.2	
Q2487-12	G3(6-12)	12	1.18	10.41	11.59	8.49	70.2	
Q2487-13	G2(0-6)	13	1.17	9.95	11.12	10.11	89.8	
Q2487-14	G2(6-12)	14	1.16	10.68	11.84	8.39	67.7	
Q2487-15	G1(0-6)	15	1.17	10.55	11.72	9.68	80.7	
Q2487-16	G1(6-12)	16	1.13	10.24	11.37	10.68	93.3	
Q2501-05	SVOC-GPC-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q2501-06	PEST-GPC-BLANK	18	1.00	1.00	2.00	2.00	100.0	
Q2501-07	PEST-GPC-BLANK-SPIKE	19	1.00	1.00	2.00	2.00	100.0	
Q2501-08	PCB-GPC-BLANK	20	1.00	1.00	2.00	2.00	100.0	
Q2501-09	PCB-GPC-BLANK-SPIKE	21	1.00	1.00	2.00	2.00	100.0	
Q2501-10	SVOC-GPC-BLANK	22	1.00	1.00	2.00	2.00	100.0	
Q2501-11	PEST-GPC-BLANK	23	1.00	1.00	2.00	2.00	100.0	
Q2501-12	PEST-GPC-BLANK-SPIKE	24	1.00	1.00	2.00	2.00	100.0	
Q2501-13	PCB-GPC2-BLANK	25	1.00	1.00	2.00	2.00	100.0	
Q2501-14	PCB-GPC2-BLANK-SPIKE	26	1.00	1.00	2.00	2.00	100.0	
Q2503-03	GCAP2	27	1.18	10.65	11.83	8.76	71.2	
Q2503-04	GCAP3	28	1.18	10.64	11.82	8.16	65.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136368

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
Q2503-05	GCAP2A	29	1.18	10.30	11.48	9.11	77.0	
Q2504-01	WASTE	30	1.14	10.73	11.87	10.16	84.1	
Q2504-02	VOC	31	1.18	10.81	11.99	10.45	85.8	
Q2504-03	1	32	1.14	10.84	11.98	10.36	85.1	
Q2504-04	2	33	1.19	10.41	11.6	9.91	83.8	
Q2504-05	3	34	1.13	10.75	11.88	10.22	84.6	
Q2504-06	4	35	1.14	10.52	11.66	10.03	84.5	
Q2504-07	5	36	1.12	10.87	11.99	10.16	83.2	
Q2505-01	#62825	37	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2505-02	#62525	38	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2505-03	#2008	39	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2507-01	SU-04-7.3-2025	40	1.17	10.26	11.43	10.1	87.0	
Q2507-02	SU-04-7.3-2025-EPH	41	1.18	10.30	11.48	9.99	85.5	
Q2507-03	SU-04-7.3-2025-VOC	42	1.13	10.45	11.58	9.95	84.4	
Q2508-01	AUD-25-0105	43	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2508-02	AUD-25-0106	44	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2508-03	AUD-25-0107	45	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2509-02	AUD-25-0112	46	1.00	1.00	2.00	2.00	100.0	oily-debris
Q2510-01	#63025-A	47	1.15	11.63	12.78	10.79	82.9	
Q2510-02	#63025-A-VOC	48	1.18	10.19	11.37	9.86	85.2	
Q2513-01	HR-2-070325	49	1.18	9.89	11.07	10.51	94.3	
Q2513-02	HR-2-070325-E2	50	1.18	10.25	11.43	10.68	92.7	
Q2513-03	HR-3-070325	51	1.18	10.27	11.45	10.88	94.4	
Q2513-04	HR-3-070325-E2	52	1.14	10.67	11.81	11.23	94.6	
Q2514-01	TP-92	53	1.14	10.78	11.92	10.56	87.4	
Q2514-02	TP-93	54	1.19	10.71	11.9	10.58	87.7	
Q2514-03	TP-94	55	1.13	10.86	11.99	10.7	88.1	
Q2514-04	TP-96	56	1.14	11.10	12.24	10.66	85.8	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136368

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
Q2514-05	TP-97	57	1.16	10.02	11.18	9.68	85.0	
Q2514-06	TP-103	58	1.18	10.22	11.4	10.02	86.5	
Q2514-07	TP-36	59	1.15	10.78	11.93	10.88	90.3	
Q2514-08	TP-78	60	1.13	9.99	11.12	9.75	86.3	
Q2514-09	TP-81	61	1.16	10.50	11.66	10.22	86.3	
Q2514-10	TP-90	62	1.18	10.43	11.61	10.73	91.6	
Q2515-01	wc-1	63	1.15	10.31	11.46	10.17	87.5	

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

WORKLIST(Hardcopy Internal Chain)

VP 136368

WorkList Name : %1-070325 **WorkList ID :** 190533 **Department :** Wet-Chemistry **Date :** 07-03-2025 08:34:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2487-01	G4(1.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-02	G4(10)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-03	G3(9)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-04	G3(3)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-05	G2(2.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-06	G2(9)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-07	G1(4.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-08	G1(10)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-09	G4(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-10	G4(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-11	G3(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-12	G3(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-13	G2(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-14	G2(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-15	G1(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-16	G1(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2501-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2501-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO

Date/Time 07/03/25 15:15

Raw Sample Received by: [signature] GPC

Raw Sample Relinquished by: JDCSM

Date/Time 07/03/25 17:35

Raw Sample Received by: JDCSM

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

UP 136368

WorkList Name : %1-070325 **WorkList ID :** 190533 **Department :** Wet-Chemistry **Date :** 07-03-2025 08:34:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2501-10	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-11	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-12	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2503-03	GCAP2	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2503-04	GCAP3	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	07/02/2025	Chemtech -SO
Q2503-05	GCAP2A	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	07/02/2025	Chemtech -SO
Q2504-01	WASTE	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	07/02/2025	Chemtech -SO
Q2504-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2505-01	#62825	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2505-02	#62525	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2505-03	#2008	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2507-01	SU-04-7.3-2025	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2507-02	SU-04-7.3-2025-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO
Q2507-03	SU-04-7.3-2025-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO

Date/Time 07/03/25 15:15

Raw Sample Received by: [signature]

Raw Sample Relinquished by: JD (SM)

Date/Time 07/03/25 17:35

Raw Sample Received by: JD (SM)

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

JB136368

WorkList Name : %1-070325 **WorkList ID :** 190533 **Department :** Wet-Chemistry **Date :** 07-03-2025 08:34:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2508-01	AUD-25-0105	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2508-02	AUD-25-0106	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2508-03	AUD-25-0107	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2509-02	AUD-25-0112	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2510-01	#63025-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/03/2025	Chemtech -SO
Q2510-02	#63025-A-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG05	O22	07/03/2025	Chemtech -SO
Q2513-01	HR-2-070325	Solid	Percent Solids	Cool 4 deg C	PSEG05	O22	07/03/2025	Chemtech -SO
Q2513-02	HR-2-070325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-03	HR-3-070325	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-04	HR-3-070325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2514-01	TP-92	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2514-02	TP-93	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-03	TP-94	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-04	TP-96	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-05	TP-97	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-06	TP-103	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-07	TP-36	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-08	TP-78	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2514-09	TP-81	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2514-10	TP-90	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2515-01	wc-1	Solid	Percent Solids	Cool 4 deg C	ENVO01	O23	07/03/2025	Chemtech -SO

Date/Time 07/03/25 15:15

Raw Sample Received by: [illegible] JWC

Raw Sample Relinquished by: JD (SM)

Date/Time 07/03/25 17:35

Raw Sample Received by: JD (SM)

Raw Sample Relinquished by: [illegible] JWC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168738

SOP ID:	MNJDEP-EPH-8				
Clean Up SOP #:	N/A			**Extraction Start Date :**	07/07/2025
Matrix :	Solid			**Extraction Start Time :**	09:30
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	07/07/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:45
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
Fractionation Surrogate	1.0ML	100 PPM	PP24673
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2624
Hexane	N/A	E3947
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/7/25	RJ (EOL body)	Y-P-PE)HFCB,
13:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168738

Analytical Method: MNJDEP-EPH-8

Concentration Date: 07/07/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168738BL	PB168738BL	EPH_NF	30.02	N/A	ritesh	Evelyn	2			U1-1
PB168738BS	PB168738BS	EPH_NF	30.03	N/A	ritesh	Evelyn	2			2
PB168738BSD	PB168738BSD	EPH_NF	30.01	N/A	ritesh	Evelyn	2			3
Q2503-03	GCAP2	EPH_NF	30.06	N/A	ritesh	Evelyn	2	E		4
Q2503-04	GCAP3	EPH_NF	30.08	N/A	ritesh	Evelyn	2	E		5
Q2507-01	SU-04-7.3-2025	EPH_NF	30.03	N/A	ritesh	Evelyn	2	B		6
Q2507-02	SU-04-7.3-2025-EPH	EPH_NF	30.07	N/A	ritesh	Evelyn	2			U2-1
Q2513-01	HR-2-070325	EPH_NF	30.06	N/A	ritesh	Evelyn	2	E		2
Q2513-02	HR-2-070325-E2	EPH_NF	30.02	N/A	ritesh	Evelyn	2			3
Q2513-03	HR-3-070325	EPH_NF	30.01	N/A	ritesh	Evelyn	2	E		4
Q2513-04	HR-3-070325-E2	EPH_NF	30.04	N/A	ritesh	Evelyn	2			5
Q2515-01	WC-1	EPH_NF	30.06	N/A	ritesh	Evelyn	2	E		6
Q2515-01DUP	WC-1DUP	EPH_NF	30.07	N/A	ritesh	Evelyn	2	E		U3-1
Q2515-01MS	WC-1MS	EPH_NF	30.05	N/A	ritesh	Evelyn	2	E		2
Q2515-01MSD	WC-1MSD	EPH_NF	30.02	N/A	ritesh	Evelyn	2	E		3

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

168735
9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2515 **WorkList ID :** 190568 **Department :** Extraction **Date :** 07-07-2025 09:21:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2503-03	GCAP2	Solid	EPH_NF	Cool 4 deg C	GENV01	O11	07/02/2025	NJEPH
Q2503-04	GCAP3	Solid	EPH_NF	Cool 4 deg C	GENV01	O11	07/02/2025	NJEPH
Q2507-01	SU-04-7.3-2025	Solid	EPH_NF	Cool 4 deg C	PSEG03	O12	07/04/2025	NJEPH
Q2507-02	SU-04-7.3-2025-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	O12	07/04/2025	NJEPH
Q2513-01	HR-2-070325	Solid	EPH_NF	Cool 4 deg C	PSEG05	O21	07/03/2025	NJEPH
Q2513-02	HR-2-070325-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	O21	07/03/2025	NJEPH
Q2513-03	HR-3-070325	Solid	EPH_NF	Cool 4 deg C	PSEG05	O21	07/03/2025	NJEPH
Q2513-04	HR-3-070325-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	O21	07/03/2025	NJEPH
Q2515-01	wc-1	Solid	EPH_NF	Cool 4 deg C	ENVO01	O23	07/03/2025	NJEPH

Date/Time 07/07/25 9:25
Raw Sample Received by: RJ (EXL-KEL)
Raw Sample Relinquished by: JT (SM)

Date/Time 07/07/25 9:40
Raw Sample Received by: JT (SM)
Raw Sample Relinquished by: RJ (EXL-KEL)

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. Q2502
COC Number 2047511

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GECP INC
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

BILL TO: GECP INC PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
- ☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
- ☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- X EDD FORMAT hazsite NJDEP5SP excel pdf

ANALYSIS

1: TCL VOA's 2: TCL VOA's 3: GW TAL metals 4: TAL metals 5: 6: 7: EPH Cat 2 8: 9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9
								HCl	Refrig	HNO3			ICE			
1.	GCAP2	Soil		X	7/2/25	1602	4	X					X			
2.	GCAP3	Soil				1645	4	X					X			
3.	GCAP2W	GW				1800	3	X	X	X						
4.	GCAP3W	GW		X	7/2/25	1830	2	X	X							
5.	GCAP2A	Soil		X	7/2/25	1730	1				X					
6.																
7.																
8.																
9.																
10.																

COMMENTS
← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. MJ	7/3/25 1055	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2503 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 7/3/2025 11:38:00 AM
Project Name : Lexington
Receive DateTime : 7/3/2025 10:55:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 1
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
Q2503-01	GCAP2W	Water	07/02/2025	18:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2503-02	GCAP3W	Water	07/02/2025	18:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2503-03	GCAP2	Solid	07/02/2025	16:02	VOL -TCLVOA-10				
					~~VOC-PP~~	~~VOC-PP VOA + 15~~	8260D		10 Bus. Days
Q2503-04	GCAP3	Solid	07/02/2025	16:45	VOC-TCL VOA -10				
					~~VOC-PP~~	~~VOC-PP VOA +~~ 15	8260D		10 Bus. Days

and

Relinguished By :
Date / Time : 7/3/25 1152

Received By : Sam
Date / Time : 07/03/25 11:52
Storage Area : VOA Refridgerator Room

Rg #6
Rg 2
Rg #5