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

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

LAB CHRONICLE

OrderID:	Q2802	**OrderDate:**	8/7/2025 2:38:00 PM
Client:	Earth Engineering Inc.	**Project:**	3313 BAY AVENUE
Contact:	Frank Dougherty, LSRP	**Location:**	J13

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2802-01	**S-1A**	**Solid**			**08/07/25**			**08/07/25**
			EPH_NF	NJEPH		08/08/25	08/08/25	
Q2802-02	**S-1B**	**Solid**			**08/07/25**			**08/07/25**
			EPH_NF	NJEPH		08/08/25	08/08/25	
Q2802-03	**S-2**	**Solid**			**08/07/25**			**08/07/25**
			EPH_NF	NJEPH		08/08/25	08/08/25	

QC SUMMARY

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

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG No.: Q2802

Run Number: FC080825AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB169177BL	84	80		0
PB169177BS	76	72		0
PB169177BSD	78	73		0
TP-6MS	61	59		0
TP-6MSD	63	61		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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG No.: Q2802

Run Number: FE080825AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
S-1A	128	118		0
S-1B	122	117		0
S-2	102	103		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

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

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

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

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Earth Engineering Inc.

Lab Code: ACE **SDG No:** Q2802

Sample No : Q2798-01MS **Datafile:** FC069626.D **Client ID :** TP-6MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	33.6	10.4	33.9	70		(40-140)
Aliphatic C9-C28	112.1	4.78	58.6	48		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	3.7	0.0000	1.3663	37	*	(40-140)
n-Decane (C10)	3.7	0.0000	3.2585	88		(40-140)
Naphthalene (C11.7)	3.7	0.0000	1.8426	50		(40-140)
n-Dodecane (C12)	3.7	0.0000	1.7868	48		(40-140)
2-methylnaphthalene (C12.89)	3.7	0.0000	1.8585	50		(40-140)
n-Tetradecane (C14)	3.7	0.0000	1.9226	52		(40-140)
n-Hexadecane (C16)	3.7	0.0000	2.0217	55		(40-140)
n-Octadecane (C18)	3.7	0.0000	2.0351	55		(40-140)
n-Eicosane (C20)	3.7	0.0000	2.1140	57		(40-140)
n-Heneicosane (C21)	3.7	0.0000	2.0692	56		(40-140)
n-Docosane (C22)	3.7	0.0000	2.0585	56		(40-140)
n-Tetracosane (C24)	7.5	0.0000	4.1648	56		(40-140)
n-Hexacosane (C26)	3.7	0.0000	2.0935	57		(40-140)
n-Octacosane (C28)	3.7	0.0000	2.1073	57		(40-140)
n-Tricontane (C30)	3.7	0.0000	2.0084	54		(40-140)
n-Dotriacontane (C32)	3.7	0.0000	2.0736	56		(40-140)
n-Tetratriacontane (C34)	3.7	0.0000	2.4354	66		(40-140)
n-Hexatriacontane (C36)	3.7	0.0000	2.9049	79		(40-140)
n-Octatriacontane (C38)	3.7	0.0000	2.8829	78		(40-140)
n-Tetracontane (C40)	3.7	0.0000	2.2568	61		(40-140)

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

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Earth Engineering Inc.

Lab Code: ACE **SDG No:** Q2802

Sample No : Q2798-01MSD **Datafile:** FC069627.D **Client ID :** TP-6MSD

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	33.6	10.4	36.6	78		10 |	(40-140)	50
Aliphatic C9-C28	111.9	4.78	60.9	50		4.3 |	(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)	3.7	0.0000	1.4362	39	*	5.26 |	(40-140)	50
n-Decane (C10)	3.7	0.0000	3.4180	92		4.44 |	(40-140)	50
Naphthalene (C11.7)	3.7	0.0000	1.9344	52		3.92 |	(40-140)	50
n-Dodecane (C12)	3.7	0.0000	1.8741	51		6.06 |	(40-140)	50
2-methylnaphthalene (C12.89)	3.7	0.0000	1.9417	52		3.92 |	(40-140)	50
n-Tetradecane (C14)	3.7	0.0000	2.0048	54		3.77 |	(40-140)	50
n-Hexadecane (C16)	3.7	0.0000	2.1036	57		3.57 |	(40-140)	50
n-Octadecane (C18)	3.7	0.0000	2.1126	57		3.57 |	(40-140)	50
n-Eicosane (C20)	3.7	0.0000	2.1829	59		3.45 |	(40-140)	50
n-Heneicosane (C21)	3.7	0.0000	2.1363	58		3.51 |	(40-140)	50
n-Docosane (C22)	3.7	0.0000	2.1324	58		3.51 |	(40-140)	50
n-Tetracosane (C24)	7.5	0.0000	4.2986	57		1.77 |	(40-140)	50
n-Hexacosane (C26)	3.7	0.0000	2.1630	58		1.74 |	(40-140)	50
n-Octacosane (C28)	3.7	0.0000	2.1698	59		3.45 |	(40-140)	50
n-Tricontane (C30)	3.7	0.0000	2.0805	56		3.64 |	(40-140)	50
n-Dotriacontane (C32)	3.7	0.0000	2.1471	58		3.51 |	(40-140)	50
n-Tetratriacontane (C34)	3.7	0.0000	2.5377	69		4.44 |	(40-140)	50
n-Hexatriacontane (C36)	3.7	0.0000	3.1934	86		8.48 |	(40-140)	50
n-Octatriacontane (C38)	3.7	0.0000	3.2031	87		10.91 |	(40-140)	50
n-Tetracontane (C40)	3.7	0.0000	2.3906	65		6.35 |	(40-140)	50

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

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Earth Engineering Inc.

Lab Code: ACE **SDG No:** Q2802

Sample No : PB169177BS **Datafile:** FC069622.D **Client ID :** PB169177BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	30.0	21.7	72		(40-140)
Aliphatic C9-C28	99.9	59.7	60		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	2.03103	62		(40-140)
n-Decane (C10)	3.3	2.09518	63		(40-140)
Naphthalene (C11.7)	3.3	2.27098	69		(40-140)
n-Dodecane (C12)	3.3	2.13716	65		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.19688	67		(40-140)
n-Tetradecane (C14)	3.3	2.14932	65		(40-140)
n-Hexadecane (C16)	3.3	2.13649	65		(40-140)
n-Octadecane (C18)	3.3	2.11047	64		(40-140)
n-Eicosane (C20)	3.3	2.25942	68		(40-140)
n-Heneicosane (C21)	3.3	2.22840	68		(40-140)
n-Docosane (C22)	3.3	2.22031	67		(40-140)
n-Tetracosane (C24)	6.7	4.46548	67		(40-140)
n-Hexacosane (C26)	3.3	2.20938	67		(40-140)
n-Octacosane (C28)	3.3	2.18093	66		(40-140)
n-Tricontane (C30)	3.3	2.08521	63		(40-140)
n-Dotriacontane (C32)	3.3	2.08438	63		(40-140)
n-Tetratriacontane (C34)	3.3	2.24884	68		(40-140)
n-Hexatriacontane (C36)	3.3	2.28682	69		(40-140)
n-Octatriacontane (C38)	3.3	2.39099	72		(40-140)
n-Tetracontane (C40)	3.3	2.39015	72		(40-140)

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

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Earth Engineering Inc.

Lab Code: ACE **SDG No:** Q2802

Sample No : PB169177BSD **Datafile:** FC069623.D **Client ID :** PB169177BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS (%)	QC Limit Of RPD
Aliphatic C28-C40	30.0	21.9	73		0.92|	(40-140)	25
Aliphatic C9-C28	99.9	60.7	61		1.8|	(40-140)	25

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS(%)	QC Limit Of RPD
n-Nonane (C9)	3.3	2.06095	62		0|	(40-140)	25
n-Decane (C10)	3.3	2.12835	64		1.57|	(40-140)	25
Naphthalene (C11.7)	3.3	2.31336	70		1.44|	(40-140)	25
n-Dodecane (C12)	3.3	2.17469	66		1.53|	(40-140)	25
2-methylnaphthalene (C12.89)	3.3	2.23997	68		1.48|	(40-140)	25
n-Tetradecane (C14)	3.3	2.19162	66		1.53|	(40-140)	25
n-Hexadecane (C16)	3.3	2.17759	66		1.53|	(40-140)	25
n-Octadecane (C18)	3.3	2.15191	65		1.55|	(40-140)	25
n-Eicosane (C20)	3.3	2.29445	70		2.9|	(40-140)	25
n-Heneicosane (C21)	3.3	2.25959	68		0|	(40-140)	25
n-Docosane (C22)	3.3	2.24837	68		1.48|	(40-140)	25
n-Tetracosane (C24)	6.7	4.51264	67		0|	(40-140)	25
n-Hexacosane (C26)	3.3	2.22914	68		1.48|	(40-140)	25
n-Octacosane (C28)	3.3	2.20174	67		1.5|	(40-140)	25
n-Tricontane (C30)	3.3	2.11010	64		1.57|	(40-140)	25
n-Dotriacontane (C32)	3.3	2.10810	64		1.57|	(40-140)	25
n-Tetratriacontane (C34)	3.3	2.27791	69		1.46|	(40-140)	25
n-Hexatriacontane (C36)	3.3	2.29601	70		1.44|	(40-140)	25
n-Octatriacontane (C38)	3.3	2.41282	73		1.38|	(40-140)	25
n-Tetracontane (C40)	3.3	2.38235	72		0|	(40-140)	25

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

4B

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB169177BL

Lab Name: Alliance Contract: EARTH03

Lab Code: ACE SDG NO.: Q2802

Instrument ID: FID_C Lab Sample ID: PB169177BL

Matrix: (soil/water) Solid Date Extracted: 8/8/2025 9:37:00 AM

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB169177BS	PB169177BS
PB169177BSD	PB169177BSD
TP-6MS	Q2798-01MS
TP-6MSD	Q2798-01MSD
S-1A	Q2802-01
S-1B	Q2802-02
S-2	Q2802-03

COMMENTS:

SAMPLE DATA

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/07/25
Project:	3313 BAY AVENUE	Date Received:	08/07/25
Client Sample ID:	S-1A	SDG No.:	Q2802
Lab Sample ID:	Q2802-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
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
08/08/25 09:37	08/08/25 18:19	PB169177

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	37.8		1	1.30	2.21	mg/kg	FE055217.D
Aliphatic C9-C28	Aliphatic C9-C28	21.7		1	1.00	4.41	mg/kg	FE055217.D
Total AliphaticEPH	Total AliphaticEPH	59.5			2.31	6.62	mg/kg	
Total EPH	Total EPH	59.5			2.31	6.62	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:	Earth Engineering Inc.	Date Collected:	08/07/25
Project:	3313 BAY AVENUE	Date Received:	08/07/25
Client Sample ID:	S-1A	SDG No.:	Q2802
Lab Sample ID:	Q2802-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
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
FE055217.D	1	08/08/25	08/08/25	PB169177

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	21.7		1.00	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	37.8		1.30	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	64.2		40 - 140	128%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	58.8		40 - 140	118%	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:	Q2802-01	Acq On:	08 Aug 2025 18:19
Client Sample ID:	S-1A	Operator:	YP\AJ
Data file:	FE055217.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.960	681935	5.839	300	ug/ml
Aliphatic C12-C16	6.961	10.413	10411154	83.138	200	ug/ml
Aliphatic C16-C21	10.414	13.792	19024184	150.502	300	ug/ml
Aliphatic C21-C28	13.793	17.464	6684090	55.467	400	ug/ml
Aliphatic C28-C40	17.465	22.492	58500305	513.218	600	ug/ml
Aliphatic EPH	3.325	22.492	95301668	808.165		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	8398930	58.81		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	6907652	64.24		ug/ml
Aliphatic C9-C28	3.325	17.464	36801363	294.946	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080825AL\
Data File : FE055217.D
Signal(s) : FID1B.ch
Acq On : 08 Aug 2025 18:19
Operator : YP\AJ
Sample : Q2802-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-1A

Integration File: autoint1.e
Quant Time: Aug 11 03:21:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.088	8398930	58.814 ug/ml
Spiked Amount 50.000		Recovery = 117.63%	
12) S 1-chlorooctadecane (S...	13.524	6907652	64.243 ug/ml
Spiked Amount 50.000		Recovery = 128.49%	
Target Compounds			

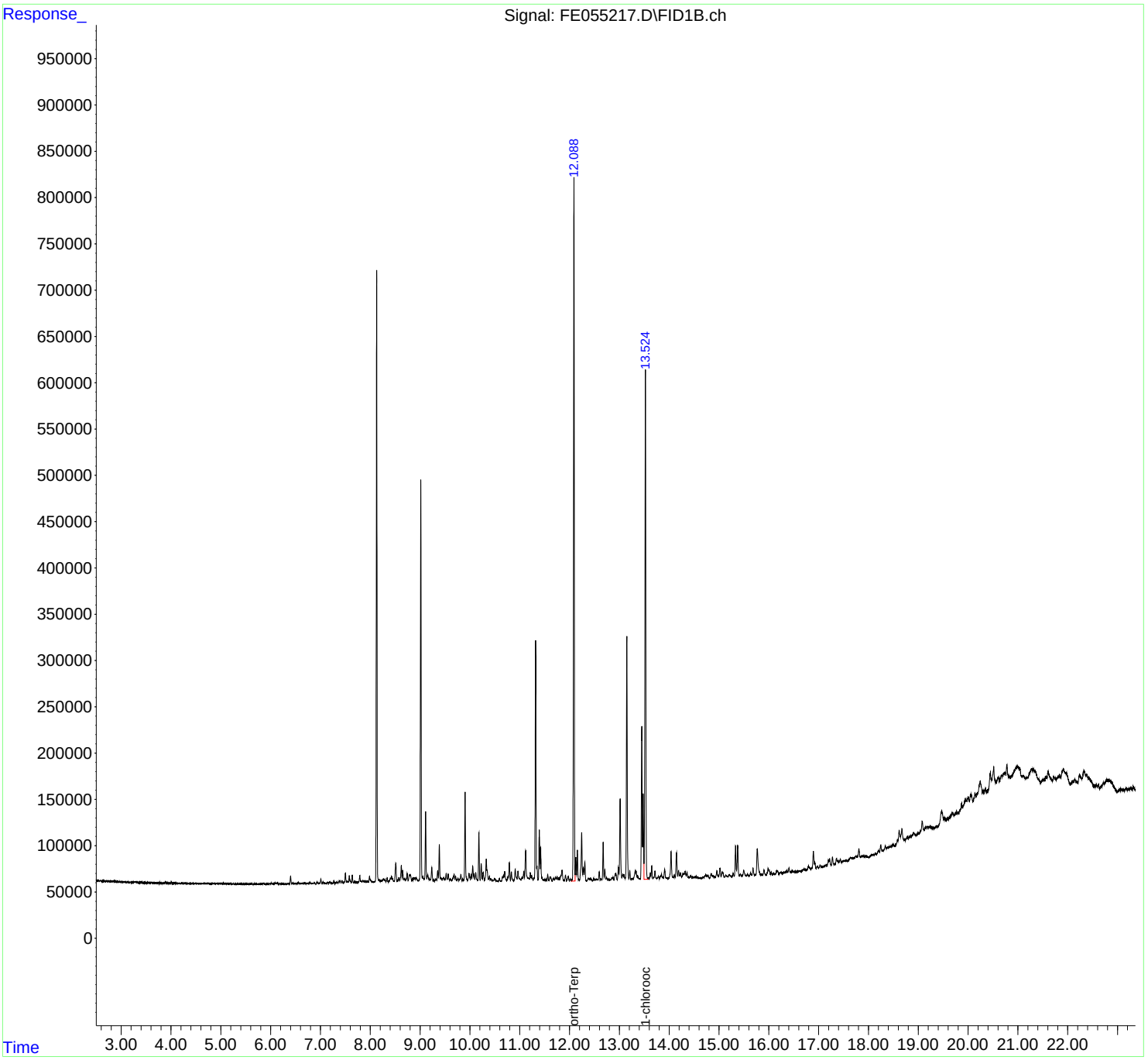
(f)=RT Delta > 1/2 Window (m)=manual int.

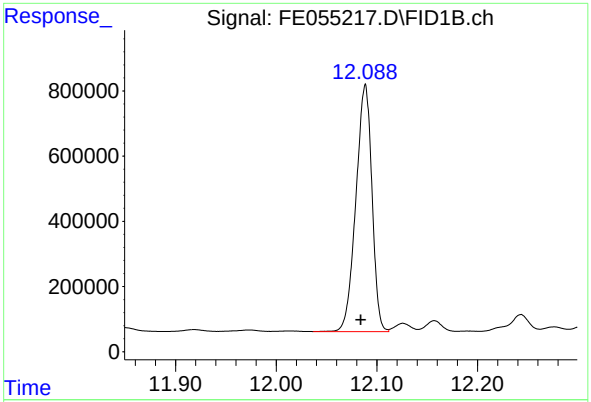
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080825AL\
Data File : FE055217.D
Signal(s) : FID1B.ch
Acq On : 08 Aug 2025 18:19
Operator : YP\AJ
Sample : Q2802-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-1A

Integration File: autoint1.e
Quant Time: Aug 11 03:21:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

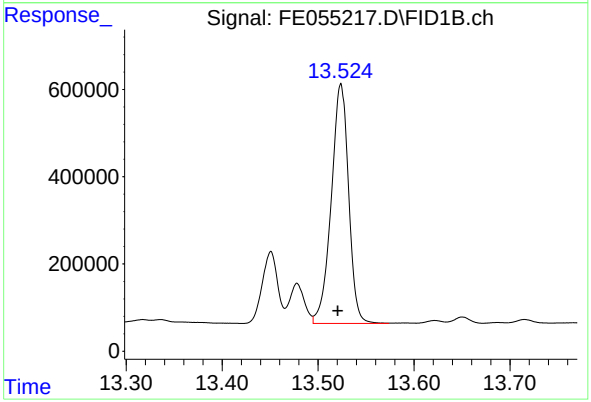




#9 ortho-Terphenyl (SURR)

R.T.: 12.088 min
Delta R.T.: 0.004 min
Response: 8398930
Conc: 58.81 ug/ml

Instrument :
FID_E
ClientSampleId :
S-1A



#12 1-chlorooctadecane (SURR)

R.T.: 13.524 min
Delta R.T.: 0.003 min
Response: 6907652
Conc: 64.24 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080825AL\
Data File : FE055217.D
Signal(s) : FID1B.ch
Acq On : 08 Aug 2025 18:19
Sample : Q2802-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.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	2.834	2.804	3.042	BV	288	10416	0.12%	0.009%
2	3.050	3.042	3.084	PV	150	2259	0.03%	0.002%
3	3.097	3.084	3.144	VV	169	2727	0.03%	0.002%
4	3.153	3.144	3.176	PV	105	970	0.01%	0.001%
5	3.189	3.176	3.248	VV	176	2651	0.03%	0.002%
6	3.258	3.248	3.273	VV	475	4678	0.06%	0.004%
7	3.287	3.273	3.342	VV	423	9811	0.12%	0.009%
8	3.352	3.342	3.391	PV	95	1668	0.02%	0.002%
9	3.416	3.391	3.472	VV	281	4690	0.06%	0.004%
10	3.483	3.472	3.548	PV	128	1310	0.02%	0.001%
11	3.557	3.548	3.591	VV	133	2002	0.02%	0.002%
12	3.600	3.591	3.618	VV	182	1752	0.02%	0.002%
13	3.629	3.618	3.698	VV	142	2898	0.03%	0.003%
14	3.711	3.698	3.721	PV	135	821	0.01%	0.001%
15	3.728	3.721	3.750	VV	96	916	0.01%	0.001%
16	3.777	3.750	3.834	VV	448	7354	0.09%	0.007%
17	3.889	3.834	3.965	VV	2016	27129	0.32%	0.025%
18	3.976	3.965	3.983	VV	88	687	0.01%	0.001%
19	4.006	3.983	4.049	VV	1635	17268	0.21%	0.016%
20	4.084	4.049	4.118	PV	146	3849	0.05%	0.003%
21	4.124	4.118	4.176	VV	169	3462	0.04%	0.003%
22	4.208	4.176	4.238	VV	660	8855	0.11%	0.008%
23	4.259	4.238	4.305	VV	580	11529	0.14%	0.010%
24	4.325	4.305	4.368	VV	403	5283	0.06%	0.005%
25	4.404	4.368	4.466	VV	359	11357	0.14%	0.010%
26	4.480	4.466	4.534	VV	206	5607	0.07%	0.005%
27	4.540	4.534	4.588	PV	100	1625	0.02%	0.001%
28	4.619	4.588	4.628	VV	213	2531	0.03%	0.002%
29	4.677	4.628	4.707	VV	612	14043	0.17%	0.013%
30	4.720	4.707	4.749	VV	425	6448	0.08%	0.006%
31	4.757	4.749	4.770	VV	262	1955	0.02%	0.002%
32	4.789	4.770	4.821	VV	344	5133	0.06%	0.005%
33	4.845	4.821	4.874	PV	704	8566	0.10%	0.008%
34	4.930	4.874	4.954	VV	335	8652	0.10%	0.008%
35	4.964	4.954	5.014	VV	368	5629	0.07%	0.005%
36	5.053	5.014	5.084	VV	643	10020	0.12%	0.009%

rteres

37	5.098	5.084	5.112	VV	263	3169	0.04%	0.003%
38	5.128	5.112	5.141	VV	261	3490	0.04%	0.003%
39	5.144	5.141	5.168	VV	251	2306	0.03%	0.002%
40	5.187	5.168	5.246	VV	242	4542	0.05%	0.004%
41	5.285	5.246	5.316	VV	201	4962	0.06%	0.004%
42	5.357	5.316	5.374	VV	195	5003	0.06%	0.005%
43	5.389	5.374	5.414	VV	445	6227	0.07%	0.006%
44	5.432	5.414	5.454	VV	455	6180	0.07%	0.006%
45	5.472	5.454	5.481	VV	285	3234	0.04%	0.003%
46	5.500	5.481	5.543	VV	475	8030	0.10%	0.007%
47	5.558	5.543	5.569	PV	145	1316	0.02%	0.001%
48	5.624	5.569	5.642	VV	737	12069	0.14%	0.011%
49	5.670	5.642	5.684	VV	311	5088	0.06%	0.005%
50	5.700	5.684	5.748	VV	282	3273	0.04%	0.003%
51	5.764	5.748	5.808	VV	204	3270	0.04%	0.003%
52	5.853	5.808	5.913	VV	1034	25261	0.30%	0.023%
53	5.931	5.913	5.964	VV	477	6684	0.08%	0.006%
54	5.989	5.964	5.998	VV	536	6312	0.08%	0.006%
55	6.014	5.998	6.041	VV	1070	15517	0.18%	0.014%
56	6.095	6.041	6.106	VV	912	17338	0.21%	0.016%
57	6.121	6.106	6.165	VV	1194	26136	0.31%	0.024%
58	6.188	6.165	6.203	VV	588	7007	0.08%	0.006%
59	6.212	6.203	6.225	VV	330	3211	0.04%	0.003%
60	6.253	6.225	6.284	VV	378	7126	0.08%	0.006%
61	6.303	6.284	6.323	PV	559	6318	0.08%	0.006%
62	6.356	6.323	6.376	VV	687	11953	0.14%	0.011%
63	6.401	6.376	6.438	VV	8469	99631	1.19%	0.090%
64	6.453	6.438	6.484	VV	1197	17953	0.21%	0.016%
65	6.500	6.484	6.524	VV	825	12339	0.15%	0.011%
66	6.561	6.524	6.577	VV	1284	24494	0.29%	0.022%
67	6.597	6.577	6.613	VV	768	12671	0.15%	0.011%
68	6.648	6.613	6.674	VV	733	20399	0.24%	0.018%
69	6.690	6.674	6.711	VV	1200	17292	0.21%	0.016%
70	6.732	6.711	6.756	VV	800	13720	0.16%	0.012%
71	6.787	6.756	6.824	VV	1856	31130	0.37%	0.028%
72	6.873	6.824	6.903	VV	985	20381	0.24%	0.018%
73	6.930	6.903	6.960	VV	1679	23864	0.28%	0.022%
74	6.975	6.960	6.991	VV	859	11736	0.14%	0.011%
75	7.009	6.991	7.031	VV	5323	57566	0.69%	0.052%
76	7.053	7.031	7.074	VV	1873	27458	0.33%	0.025%
77	7.083	7.074	7.101	VV	771	7398	0.09%	0.007%
78	7.145	7.101	7.165	VV	1686	26621	0.32%	0.024%
79	7.188	7.165	7.214	VV	2158	33638	0.40%	0.030%
80	7.225	7.214	7.238	VV	815	8207	0.10%	0.007%
81	7.269	7.238	7.292	VV	3368	45809	0.55%	0.041%
82	7.338	7.292	7.354	VV	1360	33451	0.40%	0.030%
83	7.394	7.354	7.418	VV	3035	74660	0.89%	0.067%
84	7.433	7.418	7.457	VV	3306	43088	0.51%	0.039%
85	7.501	7.457	7.523	VV	11315	151596	1.80%	0.137%
86	7.535	7.523	7.552	VV	2808	36176	0.43%	0.033%
87	7.579	7.552	7.621	VV	8504	137276	1.63%	0.124%
88	7.640	7.621	7.665	VV	9017	100886	1.20%	0.091%
89	7.685	7.665	7.704	VV	2295	35322	0.42%	0.032%

rteres

90	7.727	7.704	7.751	VV	1346	32535	0.39%	0.029%
91	7.790	7.751	7.809	VV	8527	122585	1.46%	0.111%
92	7.818	7.809	7.834	VV	2590	31624	0.38%	0.029%
93	7.851	7.834	7.874	VV	3124	54080	0.64%	0.049%
94	7.894	7.874	7.916	VV	2379	50018	0.60%	0.045%
95	7.945	7.916	7.960	VV	2109	47649	0.57%	0.043%
96	7.986	7.960	8.026	VV	7441	144426	1.72%	0.131%
97	8.040	8.026	8.057	VV	2028	29434	0.35%	0.027%
98	8.268	8.202	8.282	VV	4621	147666	1.76%	0.133%
99	8.294	8.282	8.314	VV	4089	55026	0.65%	0.050%
100	8.337	8.314	8.362	VV	5186	87113	1.04%	0.079%
101	8.403	8.362	8.414	VV	5637	102201	1.22%	0.092%
102	8.429	8.414	8.468	VV	7165	150214	1.79%	0.136%
103	8.512	8.468	8.551	VV	21326	376057	4.48%	0.340%
104	8.573	8.551	8.590	VV	6113	92775	1.10%	0.084%
105	8.623	8.590	8.639	VV	18883	269567	3.21%	0.244%
106	8.651	8.639	8.671	VV	13485	161913	1.93%	0.146%
107	8.683	8.671	8.702	VV	4278	71121	0.85%	0.064%
108	8.740	8.702	8.761	VV	10309	185027	2.20%	0.167%
109	8.788	8.761	8.798	VV	8818	143370	1.71%	0.130%
110	8.806	8.798	8.851	VV	8612	157102	1.87%	0.142%
111	8.865	8.851	8.877	VV	5847	69605	0.83%	0.063%
112	8.891	8.877	8.911	VV	5449	95706	1.14%	0.086%
113	8.923	8.911	8.961	VV	5911	111780	1.33%	0.101%
114	9.056	9.045	9.083	VV	5978	111945	1.33%	0.101%
115	9.111	9.083	9.134	VV	76986	848046	10.09%	0.766%
116	9.154	9.134	9.201	VV	8565	208128	2.48%	0.188%
117	9.235	9.201	9.261	VV	16285	254812	3.03%	0.230%
118	9.276	9.261	9.294	VV	3084	47386	0.56%	0.043%
119	9.320	9.294	9.331	VV	3815	65135	0.78%	0.059%
120	9.353	9.331	9.367	VV	12663	171492	2.04%	0.155%
121	9.386	9.367	9.411	VV	40956	464887	5.53%	0.420%
122	9.423	9.411	9.442	VV	4898	75428	0.90%	0.068%
123	9.474	9.442	9.492	VV	5003	119817	1.43%	0.108%
124	9.524	9.492	9.544	VV	9665	168456	2.00%	0.152%
125	9.565	9.544	9.594	VV	9275	151769	1.81%	0.137%
126	9.608	9.594	9.638	VV	3718	75136	0.89%	0.068%
127	9.683	9.638	9.701	VV	8859	189207	2.25%	0.171%
128	9.714	9.701	9.739	VV	6636	91947	1.09%	0.083%
129	9.761	9.739	9.778	VV	4328	72084	0.86%	0.065%
130	9.819	9.778	9.841	VV	8305	160193	1.91%	0.145%
131	9.858	9.841	9.875	VV	3441	54706	0.65%	0.049%
132	9.904	9.875	9.954	VV	97898	1097305	13.06%	0.992%
133	9.983	9.954	10.010	VV	9525	188660	2.25%	0.170%
134	10.026	10.010	10.038	VV	8583	102855	1.22%	0.093%
135	10.058	10.038	10.098	VV	17216	322879	3.84%	0.292%
136	10.118	10.098	10.156	VV	10357	175943	2.09%	0.159%
137	10.181	10.156	10.206	VV	53274	581281	6.92%	0.525%
138	10.228	10.206	10.249	VV	19824	251642	2.99%	0.227%
139	10.266	10.249	10.295	VV	10492	163198	1.94%	0.147%
140	10.329	10.295	10.373	VV	24774	487358	5.80%	0.440%
141	10.391	10.373	10.409	VV	6193	89977	1.07%	0.081%

142	10.421	10.409	10.466	VV	3217	71281	0.85%	0.064%
143	10.492	10.466	10.528	VV	3409	78319	0.93%	0.071%
144	10.540	10.528	10.565	VV	1593	24313	0.29%	0.022%
145	10.593	10.565	10.615	VV	3565	51600	0.61%	0.047%
146	10.675	10.615	10.684	VV	7258	148755	1.77%	0.134%
147	10.700	10.684	10.741	VV	10998	188819	2.25%	0.171%
148	10.792	10.741	10.815	VV	20917	343059	4.08%	0.310%
149	10.833	10.815	10.871	VV	10623	152859	1.82%	0.138%
150	10.911	10.871	10.946	VV	13285	244399	2.91%	0.221%
151	10.965	10.946	11.020	VV	11665	226062	2.69%	0.204%
152	11.049	11.020	11.062	VV	5065	86547	1.03%	0.078%
153	11.082	11.062	11.095	VV	10701	139132	1.66%	0.126%
154	11.120	11.095	11.194	VV	33807	617350	7.35%	0.558%
155	11.214	11.194	11.230	VV	9786	130047	1.55%	0.118%
156	11.240	11.230	11.269	VV	6450	96586	1.15%	0.087%
157	11.320	11.269	11.368	VV	260269	2989287	35.57%	2.701%
158	11.394	11.368	11.408	VV	55785	605445	7.20%	0.547%
159	11.421	11.408	11.476	VV	36814	447058	5.32%	0.404%
160	11.493	11.476	11.514	VV	2113	38854	0.46%	0.035%
161	11.530	11.514	11.544	VV	2134	27801	0.33%	0.025%
162	11.563	11.544	11.586	VV	7233	87262	1.04%	0.079%
163	11.609	11.586	11.649	VV	4326	103570	1.23%	0.094%
164	11.679	11.649	11.698	VV	3426	61270	0.73%	0.055%
165	11.719	11.698	11.735	VV	3984	66764	0.79%	0.060%
166	11.751	11.735	11.772	VV	5024	76939	0.92%	0.070%
167	11.788	11.772	11.803	VV	4042	55947	0.67%	0.051%
168	11.850	11.803	11.888	VV	12283	272890	3.25%	0.247%
169	11.918	11.888	11.942	VV	6467	93702	1.12%	0.085%
170	11.973	11.942	11.994	VV	5102	82905	0.99%	0.075%
171	12.014	11.994	12.035	VV	1995	30808	0.37%	0.028%
172	12.088	12.035	12.112	VV	752837	8403296	100.00%	7.593%
173	12.126	12.112	12.141	VV	25320	278837	3.32%	0.252%
174	12.157	12.141	12.181	VV	33606	368321	4.38%	0.333%
175	12.191	12.181	12.201	VV	1706	16652	0.20%	0.015%
176	12.243	12.201	12.263	VV	52553	734075	8.74%	0.663%
177	12.276	12.263	12.290	VV	14600	184099	2.19%	0.166%
178	12.307	12.290	12.336	VV	20484	247684	2.95%	0.224%
179	12.375	12.336	12.401	PV	3011	60635	0.72%	0.055%
180	12.413	12.401	12.461	VV	2217	55030	0.65%	0.050%
181	12.486	12.461	12.504	VV	2621	35389	0.42%	0.032%
182	12.537	12.504	12.570	VV	1705	51432	0.61%	0.046%
183	12.596	12.570	12.616	VV	9706	118011	1.40%	0.107%
184	12.629	12.616	12.645	VV	2256	27069	0.32%	0.024%
185	12.675	12.645	12.694	VV	41583	441598	5.26%	0.399%
186	12.708	12.694	12.731	VV	11902	145046	1.73%	0.131%
187	12.744	12.731	12.764	VV	2982	37479	0.45%	0.034%
188	12.796	12.764	12.814	VV	1430	29095	0.35%	0.026%
189	12.851	12.814	12.861	VV	3091	46451	0.55%	0.042%
190	12.872	12.861	12.891	VV	3429	40901	0.49%	0.037%
191	12.919	12.891	12.956	VV	6812	158514	1.89%	0.143%
192	12.981	12.956	12.993	VV	13775	158263	1.88%	0.143%
193	13.016	12.993	13.049	VV	86147	1125682	13.40%	1.017%
194	13.069	13.049	13.111	VV	6137	165984	1.98%	0.150%

rteres

195	13.150	13.111	13.191	VV	260281	3023629	35.98%	2.732%
196	13.210	13.191	13.232	VV	9943	110401	1.31%	0.100%
197	13.252	13.232	13.268	VV	1469	24988	0.30%	0.023%
198	13.318	13.268	13.327	VV	9606	160885	1.91%	0.145%
199	13.335	13.327	13.420	VV	9518	204244	2.43%	0.185%
200	13.451	13.420	13.466	VV	166000	1854113	22.06%	1.675%
201	13.478	13.466	13.495	VV	92412	981666	11.68%	0.887%
202	13.524	13.495	13.574	VV	548235	6930188	82.47%	6.262%
203	13.590	13.574	13.600	VV	1374	20092	0.24%	0.018%
204	13.622	13.600	13.633	VV	7160	83374	0.99%	0.075%
205	13.650	13.633	13.673	VV	15045	175513	2.09%	0.159%
206	13.715	13.673	13.744	VV	9361	149620	1.78%	0.135%
207	13.785	13.744	13.806	VV	2991	69782	0.83%	0.063%
208	13.846	13.806	13.869	VV	5558	118512	1.41%	0.107%
209	13.877	13.869	13.885	VV	2021	17606	0.21%	0.016%
210	13.910	13.885	13.939	VV	10962	171049	2.04%	0.155%
211	13.948	13.939	13.984	VV	1556	30150	0.36%	0.027%
212	14.039	13.984	14.081	VV	30060	483099	5.75%	0.437%
213	14.105	14.081	14.120	VV	3625	62984	0.75%	0.057%
214	14.147	14.120	14.172	VV	28681	394620	4.70%	0.357%
215	14.189	14.172	14.209	VV	9104	129467	1.54%	0.117%
216	14.228	14.209	14.250	VV	6686	108275	1.29%	0.098%
217	14.276	14.250	14.289	VV	6362	103652	1.23%	0.094%
218	14.319	14.289	14.342	VV	7980	183083	2.18%	0.165%
219	14.359	14.342	14.399	VV	6869	116690	1.39%	0.105%
220	14.433	14.399	14.452	VV	3490	65772	0.78%	0.059%
221	14.469	14.452	14.508	VV	1729	46023	0.55%	0.042%
222	14.536	14.508	14.557	VV	2057	50948	0.61%	0.046%
223	14.571	14.557	14.610	VV	1862	29818	0.35%	0.027%
224	14.633	14.610	14.654	VV	749	15035	0.18%	0.014%
225	14.678	14.654	14.695	VV	1543	23406	0.28%	0.021%
226	14.737	14.695	14.762	VV	3547	106481	1.27%	0.096%
227	14.777	14.762	14.810	VV	3756	58600	0.70%	0.053%
228	14.842	14.810	14.866	PV	5137	89776	1.07%	0.081%
229	14.880	14.866	14.926	VV	2639	61043	0.73%	0.055%
230	14.958	14.926	14.991	VV	7824	135069	1.61%	0.122%
231	15.020	14.991	15.043	VV	10362	160249	1.91%	0.145%
232	15.064	15.043	15.111	VV	5954	135132	1.61%	0.122%
233	15.139	15.111	15.164	VV	2360	41378	0.49%	0.037%
234	15.205	15.164	15.254	VV	3070	78264	0.93%	0.071%
235	15.284	15.254	15.305	VV	4077	61084	0.73%	0.055%
236	15.332	15.305	15.353	VV	33362	417807	4.97%	0.378%
237	15.375	15.353	15.405	VV	34157	463629	5.52%	0.419%
238	15.426	15.405	15.457	VV	2519	48393	0.58%	0.044%
239	15.497	15.457	15.548	VV	6674	137433	1.64%	0.124%
240	15.570	15.548	15.605	VV	1947	33343	0.40%	0.030%
241	15.634	15.605	15.659	PV	2877	47505	0.57%	0.043%
242	15.684	15.659	15.722	VV	8345	121838	1.45%	0.110%
243	15.769	15.722	15.843	VV	28552	579004	6.89%	0.523%
244	15.861	15.843	15.876	VV	709	11408	0.14%	0.010%
245	15.904	15.876	15.939	VV	5718	79711	0.95%	0.072%
246	15.985	15.939	16.029	PV	7273	159975	1.90%	0.145%

rteres

247	16.046	16.029	16.072	VV	2024	25543	0.30%	0.023%
248	16.093	16.072	16.127	VV	1386	18797	0.22%	0.017%
249	16.168	16.127	16.205	PV	3544	77970	0.93%	0.070%
250	16.247	16.205	16.266	PV	1500	25540	0.30%	0.023%
251	16.299	16.266	16.313	VV	1050	19284	0.23%	0.017%
252	16.332	16.313	16.341	VV	1266	17765	0.21%	0.016%
253	16.365	16.341	16.383	VV	2167	36172	0.43%	0.033%
254	16.405	16.383	16.449	VV	5201	75501	0.90%	0.068%
255	16.469	16.449	16.496	VV	1397	20987	0.25%	0.019%
256	16.506	16.496	16.518	VV	327	4177	0.05%	0.004%
257	16.610	16.518	16.635	VV	530	16075	0.19%	0.015%
258	16.649	16.635	16.663	VV	358	3677	0.04%	0.003%
259	16.709	16.663	16.734	PV	2085	45504	0.54%	0.041%
260	16.795	16.734	16.841	VV	3487	96585	1.15%	0.087%
261	16.895	16.841	16.950	VV	19086	371825	4.42%	0.336%
262	16.974	16.950	17.000	VV	2036	31042	0.37%	0.028%
263	17.029	17.000	17.048	PV	3119	39843	0.47%	0.036%
264	17.064	17.048	17.078	VV	998	13315	0.16%	0.012%
265	17.143	17.078	17.159	VV	1356	35797	0.43%	0.032%
266	17.197	17.159	17.207	VV	5977	85580	1.02%	0.077%
267	17.221	17.207	17.250	VV	7689	104970	1.25%	0.095%
268	17.278	17.250	17.314	VV	8725	121376	1.44%	0.110%
269	17.326	17.314	17.330	VV	643	5425	0.06%	0.005%
270	17.359	17.330	17.376	VV	6222	89780	1.07%	0.081%
271	17.383	17.376	17.415	VV	3205	54457	0.65%	0.049%
272	17.435	17.415	17.463	VV	4400	69792	0.83%	0.063%
273	17.487	17.463	17.498	VV	1938	29882	0.36%	0.027%
274	17.529	17.498	17.538	VV	1559	37346	0.44%	0.034%
275	17.552	17.538	17.564	VV	1608	23260	0.28%	0.021%
276	17.638	17.564	17.673	VV	3888	150974	1.80%	0.136%
277	17.688	17.673	17.702	VV	2894	44935	0.53%	0.041%
278	17.746	17.702	17.769	VV	4179	130188	1.55%	0.118%
279	17.809	17.769	17.841	VV	11506	234697	2.79%	0.212%
280	17.869	17.841	17.880	VV	3044	58446	0.70%	0.053%
281	17.893	17.880	17.916	VV	2882	50213	0.60%	0.045%
282	17.945	17.916	17.983	VV	2130	60383	0.72%	0.055%
283	17.993	17.983	18.010	VV	453	5942	0.07%	0.005%
284	18.071	18.010	18.083	PV	1843	37336	0.44%	0.034%
285	18.103	18.083	18.115	VV	1167	19007	0.23%	0.017%
286	18.138	18.115	18.149	VV	1676	24860	0.30%	0.022%
287	18.203	18.149	18.224	VV	3986	97621	1.16%	0.088%
288	18.247	18.224	18.277	VV	9241	162882	1.94%	0.147%
289	18.339	18.277	18.368	VV	6666	206825	2.46%	0.187%
290	18.385	18.368	18.400	VV	4307	77449	0.92%	0.070%
291	18.455	18.400	18.463	VV	4356	157164	1.87%	0.142%
292	18.499	18.463	18.522	VV	5579	164207	1.95%	0.148%
293	18.617	18.522	18.641	VV	18653	628590	7.48%	0.568%
294	18.671	18.641	18.718	VV	20035	563927	6.71%	0.510%
295	18.731	18.718	18.740	VV	7067	89415	1.06%	0.081%
296	18.779	18.740	18.799	VV	9584	272543	3.24%	0.246%
297	18.814	18.799	18.829	VV	9308	141114	1.68%	0.128%
298	18.851	18.829	18.861	VV	8803	156867	1.87%	0.142%
299	18.881	18.861	18.890	VV	9262	153030	1.82%	0.138%

300	18.906	18.890	18.932	VV	11366	252506	3.00%	0.228%
301	18.940	18.932	18.960	VV	8980	135741	1.62%	0.123%
302	18.995	18.960	19.005	VV	9211	230045	2.74%	0.208%
303	19.079	19.005	19.121	VV	20613	863592	10.28%	0.780%
304	19.148	19.121	19.159	VV	13187	275431	3.28%	0.249%
305	19.181	19.159	19.198	VV	13654	300910	3.58%	0.272%
306	19.211	19.198	19.234	VV	12985	268100	3.19%	0.242%
307	19.243	19.234	19.284	VV	13055	333635	3.97%	0.301%
308	19.308	19.284	19.323	VV	10772	230932	2.75%	0.209%
309	19.384	19.323	19.397	VV	10655	446100	5.31%	0.403%
310	19.471	19.397	19.504	VV	26022	1126153	13.40%	1.018%
311	19.514	19.504	19.564	VV	17305	549748	6.54%	0.497%
312	19.597	19.564	19.608	VV	16311	388835	4.63%	0.351%
313	19.686	19.608	19.731	VV	19353	1265377	15.06%	1.143%
314	19.765	19.731	19.778	VV	19407	494707	5.89%	0.447%
315	19.793	19.778	19.817	VV	18822	413098	4.92%	0.373%
316	19.869	19.817	19.906	VV	26539	1170844	13.93%	1.058%
317	19.945	19.906	19.970	VV	29994	1037603	12.35%	0.938%
318	20.001	19.970	20.023	VV	31732	946424	11.26%	0.855%
319	20.048	20.023	20.097	VV	33741	1306802	15.55%	1.181%
320	20.137	20.097	20.161	VV	32823	1119744	13.33%	1.012%
321	20.244	20.161	20.291	VV	44671	2822275	33.59%	2.550%
322	20.305	20.291	20.316	VV	33153	479219	5.70%	0.433%
323	20.351	20.316	20.379	VV	34530	1214717	14.46%	1.098%
324	20.389	20.379	20.400	VV	32858	392897	4.68%	0.355%
325	20.447	20.400	20.475	VV	49689	1848363	22.00%	1.670%
326	20.515	20.475	20.574	VV	55613	2611163	31.07%	2.359%
327	20.610	20.574	20.639	VV	42237	1567184	18.65%	1.416%
328	20.669	20.639	20.682	VV	43689	1071592	12.75%	0.968%
329	20.739	20.682	20.759	VV	45317	2034167	24.21%	1.838%
330	20.781	20.759	20.849	VV	53427	2329951	27.73%	2.105%
331	20.868	20.849	20.882	VV	40268	759765	9.04%	0.687%
332	20.972	20.882	20.994	VV	48538	2973808	35.39%	2.687%
333	21.002	20.994	21.032	VV	47761	1062737	12.65%	0.960%
334	21.041	21.032	21.148	VV	45442	2531836	30.13%	2.288%
335	21.162	21.148	21.181	VV	33086	644171	7.67%	0.582%
336	21.195	21.181	21.204	VV	32634	448209	5.33%	0.405%
337	21.270	21.204	21.290	VV	40739	1917590	22.82%	1.733%
338	21.300	21.290	21.460	VV	39875	3209053	38.19%	2.900%
339	21.492	21.460	21.508	VV	24822	687315	8.18%	0.621%
340	21.532	21.508	21.542	VV	24819	488985	5.82%	0.442%
341	21.608	21.542	21.655	VV	31879	1824319	21.71%	1.648%
342	21.665	21.655	21.693	VV	24233	515591	6.14%	0.466%
343	21.723	21.693	21.739	VV	24016	618100	7.36%	0.559%
344	21.747	21.739	21.764	VV	22622	319741	3.80%	0.289%
345	21.837	21.764	21.849	VV	24815	1132074	13.47%	1.023%
346	21.854	21.849	21.863	VV	21933	178742	2.13%	0.162%
347	21.912	21.863	21.968	VV	30054	1628098	19.37%	1.471%
348	21.977	21.968	22.049	VV	24125	834363	9.93%	0.754%
349	22.102	22.049	22.123	VV	12806	514921	6.13%	0.465%
350	22.143	22.123	22.204	VV	14288	566948	6.75%	0.512%
351	22.237	22.204	22.279	VV	18385	649227	7.73%	0.587%

rteres

352	22.327	22.279	22.361	VV	20410	817981	9.73%	0.739%
353	22.383	22.361	22.412	VV	15736	427227	5.08%	0.386%
354	22.427	22.412	22.521	VV	11652	442546	5.27%	0.400%

Sum of corrected areas: 110668669

Aliphatic EPH 080125.M Mon Aug 11 04:03:19 2025

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/07/25
Project:	3313 BAY AVENUE	Date Received:	08/07/25
Client Sample ID:	S-1B	SDG No.:	Q2802
Lab Sample ID:	Q2802-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.3
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
08/08/25 09:37	08/08/25 18:49	PB169177

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	22.2		1	1.52	2.58	mg/kg	FE055218.D
Aliphatic C9-C28	Aliphatic C9-C28	9.07		1	1.18	5.16	mg/kg	FE055218.D
Total AliphaticEPH	Total AliphaticEPH	31.3			2.69	7.74	mg/kg	
Total EPH	Total EPH	31.3			2.69	7.74	mg/kg	

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

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

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

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/07/25
Project:	3313 BAY AVENUE	Date Received:	08/07/25
Client Sample ID:	S-1B	SDG No.:	Q2802
Lab Sample ID:	Q2802-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.3
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
FE055218.D	1	08/08/25	08/08/25	PB169177

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	9.07		1.18	5.16	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.2		1.52	2.58	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	61.0		40 - 140	122%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	58.5		40 - 140	117%	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:	Q2802-02	Acq On:	08 Aug 2025 18:49
Client Sample ID:	S-1B	Operator:	YP\AJ
Data file:	FE055218.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.960	432126	3.7	300	ug/ml
Aliphatic C12-C16	6.961	10.413	3149804	25.153	200	ug/ml
Aliphatic C16-C21	10.414	13.792	7120057	56.327	300	ug/ml
Aliphatic C21-C28	13.793	17.464	2425018	20.124	400	ug/ml
Aliphatic C28-C40	17.465	22.492	29332059	257.328	600	ug/ml
Aliphatic EPH	3.325	22.492	42459064	362.632		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	8351756	58.48		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	6562259	61.03		ug/ml
Aliphatic C9-C28	3.325	17.464	13127005	105.304	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080825AL\
Data File : FE055218.D
Signal(s) : FID1B.ch
Acq On : 08 Aug 2025 18:49
Operator : YP\AJ
Sample : Q2802-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-1B

Integration File: autoint1.e
Quant Time: Aug 11 03:21:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.088	8351756	58.484 ug/ml
Spiked Amount 50.000		Recovery = 116.97%	
12) S 1-chlorooctadecane (S...	13.524	6562259	61.031 ug/ml
Spiked Amount 50.000		Recovery = 122.06%	
Target Compounds			

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

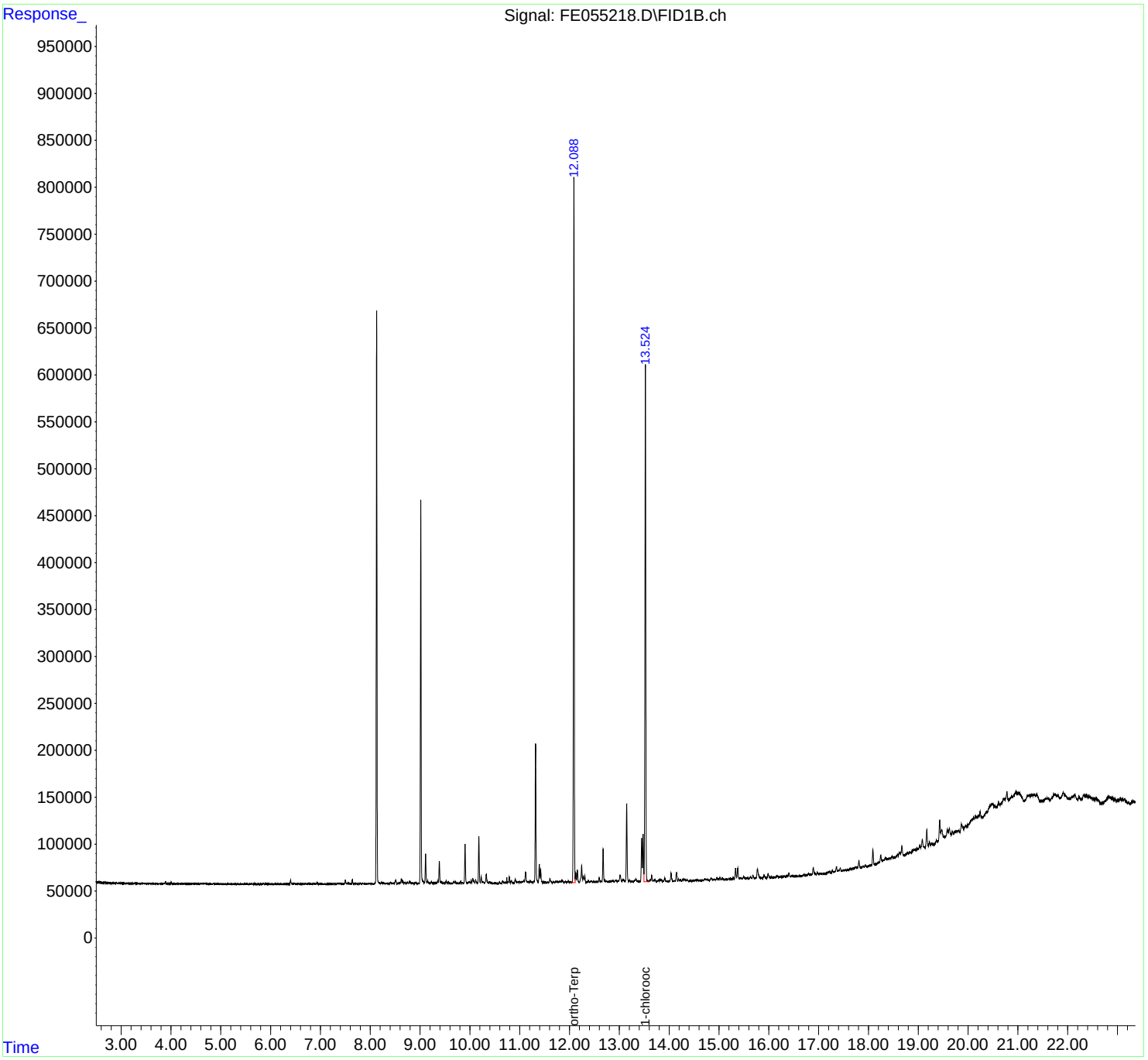
Quantitation Report (QT Reviewed)

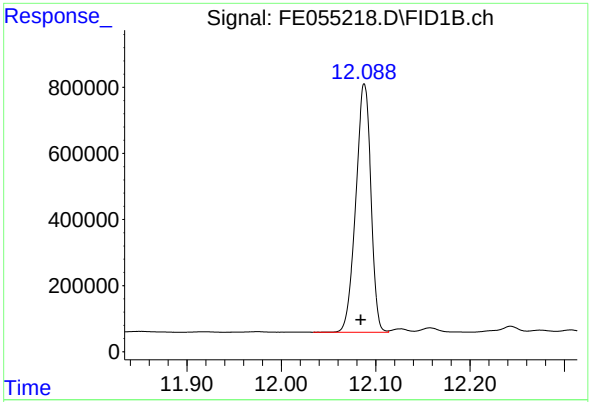
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080825AL\
Data File : FE055218.D
Signal(s) : FID1B.ch
Acq On : 08 Aug 2025 18:49
Operator : YP\AJ
Sample : Q2802-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-1B

Integration File: autoint1.e
Quant Time: Aug 11 03:21:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

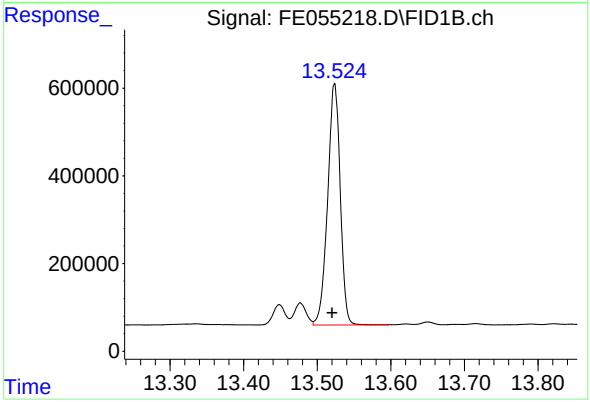




#9 ortho-Terphenyl (SURR)

R.T.: 12.088 min
Delta R.T.: 0.004 min
Response: 8351756
Conc: 58.48 ug/ml

Instrument :
FID_E
ClientSampleId :
S-1B



#12 1-chlorooctadecane (SURR)

R.T.: 13.524 min
Delta R.T.: 0.003 min
Response: 6562259
Conc: 61.03 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080825AL\
Data File : FE055218.D
Signal(s) : FID1B.ch
Acq On : 08 Aug 2025 18:49
Sample : Q2802-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.833	2.804	2.880	BV	366	6339	0.08%	0.011%
2	2.896	2.880	2.938	PV	226	3028	0.04%	0.005%
3	2.948	2.938	3.038	PV	99	2283	0.03%	0.004%
4	3.044	3.038	3.087	VV	92	1805	0.02%	0.003%
5	3.098	3.087	3.136	PV	166	2158	0.03%	0.004%
6	3.148	3.136	3.199	PV	67	2573	0.03%	0.004%
7	3.205	3.199	3.239	VV	108	1437	0.02%	0.003%
8	3.257	3.239	3.271	VV	424	4934	0.06%	0.009%
9	3.287	3.271	3.372	VV	436	11429	0.14%	0.020%
10	3.418	3.372	3.493	VV	310	6951	0.08%	0.012%
11	3.501	3.493	3.514	VV	80	725	0.01%	0.001%
12	3.532	3.514	3.543	VV	155	1357	0.02%	0.002%
13	3.560	3.543	3.586	VV	168	2937	0.04%	0.005%
14	3.607	3.586	3.618	VV	223	2553	0.03%	0.004%
15	3.626	3.618	3.645	VV	158	1865	0.02%	0.003%
16	3.665	3.645	3.678	VV	185	2120	0.03%	0.004%
17	3.691	3.678	3.715	VV	151	2745	0.03%	0.005%
18	3.773	3.715	3.796	VV	199	6366	0.08%	0.011%
19	3.804	3.796	3.826	VV	157	1371	0.02%	0.002%
20	3.889	3.826	3.944	PV	2631	35354	0.42%	0.062%
21	3.955	3.944	3.977	VV	170	2094	0.03%	0.004%
22	4.005	3.977	4.062	VV	2271	24937	0.30%	0.043%
23	4.105	4.062	4.180	VV	262	8530	0.10%	0.015%
24	4.208	4.180	4.233	VV	481	7767	0.09%	0.014%
25	4.269	4.233	4.321	VV	298	9428	0.11%	0.016%
26	4.325	4.321	4.356	VV	186	1719	0.02%	0.003%
27	4.364	4.356	4.374	VV	81	514	0.01%	0.001%
28	4.379	4.374	4.388	VV	113	552	0.01%	0.001%
29	4.403	4.388	4.432	VV	354	6630	0.08%	0.012%
30	4.442	4.432	4.488	VV	300	5350	0.06%	0.009%
31	4.504	4.488	4.521	VV	241	3841	0.05%	0.007%
32	4.528	4.521	4.545	VV	239	2723	0.03%	0.005%
33	4.574	4.545	4.584	VV	289	5275	0.06%	0.009%
34	4.592	4.584	4.606	VV	265	3389	0.04%	0.006%
35	4.620	4.606	4.655	VV	348	8839	0.11%	0.015%
36	4.677	4.655	4.712	VV	657	12073	0.14%	0.021%

rteres

37	4.726	4.712	4.821	VV	275	8388	0.10%	0.015%
38	4.847	4.821	4.869	VV	389	5679	0.07%	0.010%
39	4.884	4.869	4.893	VV	115	1387	0.02%	0.002%
40	4.918	4.893	4.951	VV	202	4306	0.05%	0.007%
41	4.965	4.951	4.989	VV	166	2656	0.03%	0.005%
42	4.997	4.989	5.041	VV	152	3274	0.04%	0.006%
43	5.054	5.041	5.068	VV	178	2240	0.03%	0.004%
44	5.076	5.068	5.129	VV	154	5373	0.06%	0.009%
45	5.142	5.129	5.181	VV	157	4286	0.05%	0.007%
46	5.202	5.181	5.239	VV	199	5246	0.06%	0.009%
47	5.247	5.239	5.299	VV	155	3240	0.04%	0.006%
48	5.333	5.299	5.373	VV	170	5041	0.06%	0.009%
49	5.390	5.373	5.457	VV	253	6832	0.08%	0.012%
50	5.501	5.457	5.542	VV	260	5910	0.07%	0.010%
51	5.624	5.542	5.681	PV	586	12752	0.15%	0.022%
52	5.693	5.681	5.718	VV	124	1804	0.02%	0.003%
53	5.730	5.718	5.778	VV	122	2087	0.02%	0.004%
54	5.819	5.778	5.836	VV	314	4402	0.05%	0.008%
55	5.855	5.836	5.911	VV	855	12884	0.15%	0.022%
56	5.932	5.911	5.960	VV	334	4236	0.05%	0.007%
57	5.994	5.960	6.003	VV	150	2980	0.04%	0.005%
58	6.021	6.003	6.049	VV	211	3394	0.04%	0.006%
59	6.070	6.049	6.120	VV	221	6354	0.08%	0.011%
60	6.137	6.120	6.176	VV	231	4751	0.06%	0.008%
61	6.190	6.176	6.232	VV	210	3116	0.04%	0.005%
62	6.243	6.232	6.284	VV	127	2594	0.03%	0.005%
63	6.297	6.284	6.331	VV	91	1782	0.02%	0.003%
64	6.363	6.331	6.375	VV	217	3683	0.04%	0.006%
65	6.401	6.375	6.448	VV	4337	51914	0.62%	0.090%
66	6.452	6.448	6.459	VV	366	2047	0.02%	0.004%
67	6.475	6.459	6.531	VV	520	12486	0.15%	0.022%
68	6.558	6.531	6.614	VV	344	10674	0.13%	0.019%
69	6.655	6.614	6.671	VV	260	6589	0.08%	0.011%
70	6.693	6.671	6.723	VV	579	10314	0.12%	0.018%
71	6.741	6.723	6.759	VV	274	4569	0.05%	0.008%
72	6.784	6.759	6.811	VV	260	6294	0.08%	0.011%
73	6.864	6.811	6.907	VV	321	11538	0.14%	0.020%
74	6.931	6.907	6.964	VV	1302	17019	0.20%	0.030%
75	6.975	6.964	6.993	VV	193	2903	0.03%	0.005%
76	7.009	6.993	7.038	VV	272	4233	0.05%	0.007%
77	7.049	7.038	7.124	VV	209	5264	0.06%	0.009%
78	7.144	7.124	7.174	VV	304	3545	0.04%	0.006%
79	7.187	7.174	7.228	VV	160	2761	0.03%	0.005%
80	7.265	7.228	7.291	PV	626	6937	0.08%	0.012%
81	7.339	7.291	7.371	VV	563	12745	0.15%	0.022%
82	7.401	7.371	7.420	VV	455	9969	0.12%	0.017%
83	7.434	7.420	7.456	VV	324	4349	0.05%	0.008%
84	7.501	7.456	7.522	VV	4486	48979	0.59%	0.085%
85	7.533	7.522	7.545	VV	738	7876	0.09%	0.014%
86	7.560	7.545	7.616	VV	1054	21003	0.25%	0.037%
87	7.640	7.616	7.665	PV	4459	45168	0.54%	0.079%
88	7.679	7.665	7.731	VV	240	6253	0.07%	0.011%
89	7.746	7.731	7.759	VV	314	2932	0.04%	0.005%

rteres

90	7.790	7.759	7.830	VV	606	13003	0.16%	0.023%
91	7.850	7.830	7.914	VV	332	9230	0.11%	0.016%
92	7.949	7.914	7.961	VV	271	4362	0.05%	0.008%
93	7.986	7.961	8.021	VV	435	8382	0.10%	0.015%
94	8.031	8.021	8.062	VV	240	3483	0.04%	0.006%
95	8.227	8.206	8.252	VV	1192	26427	0.32%	0.046%
96	8.267	8.252	8.321	VV	1426	26913	0.32%	0.047%
97	8.342	8.321	8.359	VV	524	8192	0.10%	0.014%
98	8.369	8.359	8.384	VV	296	3978	0.05%	0.007%
99	8.404	8.384	8.471	VV	1481	35458	0.42%	0.062%
100	8.514	8.471	8.555	VV	3282	66874	0.80%	0.116%
101	8.577	8.555	8.598	VV	1539	23009	0.28%	0.040%
102	8.623	8.598	8.639	VV	5320	63599	0.76%	0.111%
103	8.652	8.639	8.674	VV	3339	37918	0.45%	0.066%
104	8.691	8.674	8.723	VV	1269	27964	0.33%	0.049%
105	8.743	8.723	8.761	VV	1878	24993	0.30%	0.044%
106	8.788	8.761	8.850	VV	2132	61274	0.73%	0.107%
107	8.865	8.850	8.878	VV	527	6863	0.08%	0.012%
108	8.901	8.878	8.962	VV	1252	25799	0.31%	0.045%
109	9.111	9.088	9.137	VV	31877	333005	3.99%	0.580%
110	9.154	9.137	9.200	VV	3144	56989	0.68%	0.099%
111	9.229	9.200	9.263	VV	1768	35080	0.42%	0.061%
112	9.278	9.263	9.289	VV	457	6380	0.08%	0.011%
113	9.354	9.289	9.366	VV	2911	49574	0.59%	0.086%
114	9.387	9.366	9.412	VV	24059	258688	3.10%	0.451%
115	9.426	9.412	9.463	VV	1956	39524	0.47%	0.069%
116	9.477	9.463	9.498	VV	955	15423	0.18%	0.027%
117	9.523	9.498	9.546	VV	2460	37811	0.45%	0.066%
118	9.565	9.546	9.640	VV	2055	38605	0.46%	0.067%
119	9.684	9.640	9.701	VV	2079	39972	0.48%	0.070%
120	9.713	9.701	9.735	VV	1648	19271	0.23%	0.034%
121	9.760	9.735	9.777	VV	751	11216	0.13%	0.020%
122	9.819	9.777	9.839	VV	1890	31880	0.38%	0.056%
123	9.856	9.839	9.873	VV	970	13205	0.16%	0.023%
124	9.904	9.873	9.957	VV	41873	459364	5.50%	0.800%
125	9.984	9.957	10.011	VV	2140	42918	0.51%	0.075%
126	10.025	10.011	10.038	VV	2520	26689	0.32%	0.046%
127	10.058	10.038	10.098	VV	5277	95549	1.14%	0.166%
128	10.118	10.098	10.153	VV	3462	52081	0.62%	0.091%
129	10.181	10.153	10.208	VV	50289	527291	6.31%	0.918%
130	10.228	10.208	10.254	VV	7327	93546	1.12%	0.163%
131	10.267	10.254	10.292	VV	1911	28841	0.35%	0.050%
132	10.329	10.292	10.372	VV	9647	149394	1.79%	0.260%
133	10.392	10.372	10.409	VV	1933	24870	0.30%	0.043%
134	10.421	10.409	10.444	VV	802	12147	0.15%	0.021%
135	10.456	10.444	10.468	VV	398	4562	0.05%	0.008%
136	10.495	10.468	10.525	VV	590	12820	0.15%	0.022%
137	10.536	10.525	10.570	VV	213	2658	0.03%	0.005%
138	10.595	10.570	10.621	PV	1176	14070	0.17%	0.025%
139	10.655	10.621	10.688	VV	2078	41530	0.50%	0.072%
140	10.704	10.688	10.723	VV	1377	20475	0.25%	0.036%
141	10.741	10.723	10.771	VV	2458	28663	0.34%	0.050%

rteres

142	10.793	10.771	10.816	VV	6887	89735	1.07%	0.156%
143	10.833	10.816	10.867	VV	3087	41074	0.49%	0.072%
144	10.911	10.867	10.948	VV	4192	75773	0.91%	0.132%
145	10.967	10.948	10.998	VV	1744	36916	0.44%	0.064%
146	11.005	10.998	11.022	VV	1199	14011	0.17%	0.024%
147	11.050	11.022	11.062	VV	1823	27993	0.34%	0.049%
148	11.081	11.062	11.094	VV	3110	39325	0.47%	0.068%
149	11.120	11.094	11.173	VV	11550	190223	2.28%	0.331%
150	11.183	11.173	11.195	VV	1209	13726	0.16%	0.024%
151	11.214	11.195	11.229	VV	2948	36381	0.44%	0.063%
152	11.241	11.229	11.266	VV	1755	26075	0.31%	0.045%
153	11.319	11.266	11.371	VV	147401	1610411	19.28%	2.805%
154	11.393	11.371	11.408	VV	20166	215925	2.59%	0.376%
155	11.421	11.408	11.461	VV	14386	170081	2.04%	0.296%
156	11.476	11.461	11.507	VV	831	19532	0.23%	0.034%
157	11.523	11.507	11.548	VV	772	14507	0.17%	0.025%
158	11.566	11.548	11.583	VV	958	11603	0.14%	0.020%
159	11.606	11.583	11.651	VV	4656	72591	0.87%	0.126%
160	11.683	11.651	11.701	PV	1280	20084	0.24%	0.035%
161	11.723	11.701	11.739	VV	1328	20989	0.25%	0.037%
162	11.755	11.739	11.775	VV	1599	22408	0.27%	0.039%
163	11.795	11.775	11.807	VV	1227	18314	0.22%	0.032%
164	11.850	11.807	11.893	VV	2857	76836	0.92%	0.134%
165	11.918	11.893	11.941	VV	1653	24178	0.29%	0.042%
166	11.975	11.941	11.997	VV	1911	29201	0.35%	0.051%
167	12.016	11.997	12.041	VV	622	11524	0.14%	0.020%
168	12.088	12.041	12.114	VV	754542	8351851	100.00%	14.545%
169	12.126	12.114	12.141	VV	10427	113866	1.36%	0.198%
170	12.158	12.141	12.200	VV	13385	172838	2.07%	0.301%
171	12.243	12.200	12.261	VV	18228	258618	3.10%	0.450%
172	12.274	12.261	12.291	VV	6459	84417	1.01%	0.147%
173	12.306	12.291	12.331	VV	7058	84480	1.01%	0.147%
174	12.348	12.331	12.357	VV	726	7343	0.09%	0.013%
175	12.379	12.357	12.401	VV	1461	24508	0.29%	0.043%
176	12.441	12.401	12.467	VV	1236	32769	0.39%	0.057%
177	12.485	12.467	12.508	VV	1167	17122	0.21%	0.030%
178	12.523	12.508	12.530	VV	625	6895	0.08%	0.012%
179	12.552	12.530	12.567	VV	706	13067	0.16%	0.023%
180	12.596	12.567	12.616	VV	5099	61760	0.74%	0.108%
181	12.630	12.616	12.647	VV	1243	16455	0.20%	0.029%
182	12.674	12.647	12.699	VV	35783	389223	4.66%	0.678%
183	12.707	12.699	12.729	VV	2191	28194	0.34%	0.049%
184	12.746	12.729	12.761	VV	1260	18158	0.22%	0.032%
185	12.797	12.761	12.811	VV	765	19262	0.23%	0.034%
186	12.825	12.811	12.833	VV	633	8056	0.10%	0.014%
187	12.871	12.833	12.899	VV	1691	45380	0.54%	0.079%
188	12.920	12.899	12.956	VV	2125	45247	0.54%	0.079%
189	13.015	12.956	13.047	VV	7629	154214	1.85%	0.269%
190	13.069	13.047	13.111	VV	2935	69510	0.83%	0.121%
191	13.148	13.111	13.188	VV	83139	951659	11.39%	1.657%
192	13.209	13.188	13.230	VV	2057	27092	0.32%	0.047%
193	13.252	13.230	13.269	VV	480	7871	0.09%	0.014%
194	13.335	13.269	13.418	VV	2868	101997	1.22%	0.178%

rteres

195	13.448	13.418	13.463	VV	46496	521813	6.25%	0.909%
196	13.477	13.463	13.494	VV	50435	568584	6.81%	0.990%
197	13.524	13.494	13.599	VV	548566	6572391	78.69%	11.446%
198	13.621	13.599	13.632	VV	2385	28292	0.34%	0.049%
199	13.650	13.632	13.672	VV	6828	82023	0.98%	0.143%
200	13.688	13.672	13.698	VV	1439	16821	0.20%	0.029%
201	13.715	13.698	13.748	VV	3032	41817	0.50%	0.073%
202	13.790	13.748	13.805	VV	2068	34365	0.41%	0.060%
203	13.821	13.805	13.836	VV	2636	34672	0.42%	0.060%
204	13.844	13.836	13.869	VV	1785	23394	0.28%	0.041%
205	13.911	13.869	13.980	VV	3585	63910	0.77%	0.111%
206	14.039	13.980	14.081	PV	8880	133450	1.60%	0.232%
207	14.105	14.081	14.118	VV	775	10767	0.13%	0.019%
208	14.147	14.118	14.172	VV	9602	127639	1.53%	0.222%
209	14.189	14.172	14.207	VV	2351	30639	0.37%	0.053%
210	14.227	14.207	14.251	VV	2185	31919	0.38%	0.056%
211	14.276	14.251	14.290	VV	2200	30959	0.37%	0.054%
212	14.316	14.290	14.340	VV	1912	41109	0.49%	0.072%
213	14.359	14.340	14.404	VV	1664	23719	0.28%	0.041%
214	14.434	14.404	14.451	VV	491	7471	0.09%	0.013%
215	14.472	14.451	14.484	PV	340	4314	0.05%	0.008%
216	14.495	14.484	14.502	VV	332	2853	0.03%	0.005%
217	14.534	14.502	14.555	VV	1030	21957	0.26%	0.038%
218	14.571	14.555	14.598	VV	1035	14709	0.18%	0.026%
219	14.635	14.598	14.651	VV	234	6406	0.08%	0.011%
220	14.678	14.651	14.694	VV	681	10749	0.13%	0.019%
221	14.716	14.694	14.764	VV	1762	47377	0.57%	0.083%
222	14.776	14.764	14.811	VV	958	14960	0.18%	0.026%
223	14.841	14.811	14.890	PV	2665	54984	0.66%	0.096%
224	14.909	14.890	14.931	VV	859	15478	0.19%	0.027%
225	14.959	14.931	14.993	VV	2593	45519	0.55%	0.079%
226	15.020	14.993	15.043	VV	2916	43117	0.52%	0.075%
227	15.064	15.043	15.114	VV	1643	33150	0.40%	0.058%
228	15.138	15.114	15.158	VV	624	9645	0.12%	0.017%
229	15.207	15.158	15.234	VV	882	20617	0.25%	0.036%
230	15.248	15.234	15.258	VV	399	4951	0.06%	0.009%
231	15.284	15.258	15.305	VV	2326	31058	0.37%	0.054%
232	15.333	15.305	15.354	VV	12025	151716	1.82%	0.264%
233	15.376	15.354	15.406	VV	11899	164449	1.97%	0.286%
234	15.427	15.406	15.470	VV	1459	36282	0.43%	0.063%
235	15.497	15.470	15.551	VV	2230	51078	0.61%	0.089%
236	15.573	15.551	15.603	VV	923	16645	0.20%	0.029%
237	15.633	15.603	15.659	VV	1832	28070	0.34%	0.049%
238	15.684	15.659	15.731	VV	3501	56776	0.68%	0.099%
239	15.772	15.731	15.848	VV	9457	206235	2.47%	0.359%
240	15.863	15.848	15.877	VV	307	2544	0.03%	0.004%
241	15.904	15.877	15.944	VV	3864	57595	0.69%	0.100%
242	15.985	15.944	16.028	PV	4704	78341	0.94%	0.136%
243	16.046	16.028	16.068	VV	627	6947	0.08%	0.012%
244	16.098	16.068	16.131	PV	504	7735	0.09%	0.013%
245	16.168	16.131	16.208	PV	1279	29532	0.35%	0.051%
246	16.242	16.208	16.261	VV	500	11699	0.14%	0.020%

247	16.372	16.261	16.380	VV	963	38760	0.46%	0.068%
248	16.405	16.380	16.443	VV	4143	61986	0.74%	0.108%
249	16.468	16.443	16.511	VV	1130	19194	0.23%	0.033%
250	16.534	16.511	16.556	VV	203	3496	0.04%	0.006%
251	16.608	16.556	16.640	VV	305	7412	0.09%	0.013%
252	16.709	16.640	16.732	PV	1235	20990	0.25%	0.037%
253	16.750	16.732	16.763	VV	397	5284	0.06%	0.009%
254	16.798	16.763	16.830	VV	1368	31153	0.37%	0.054%
255	16.856	16.830	16.863	VV	583	8821	0.11%	0.015%
256	16.893	16.863	16.948	VV	7923	139392	1.67%	0.243%
257	16.974	16.948	17.008	VV	1651	24922	0.30%	0.043%
258	17.029	17.008	17.051	PV	651	7971	0.10%	0.014%
259	17.196	17.051	17.203	VV	1059	11456	0.14%	0.020%
260	17.221	17.203	17.251	VV	1953	27357	0.33%	0.048%
261	17.279	17.251	17.301	PV	1962	25272	0.30%	0.044%
262	17.358	17.301	17.390	VV	5199	84678	1.01%	0.147%
263	17.435	17.390	17.461	VV	3387	59738	0.72%	0.104%
264	17.643	17.461	17.668	PV	669	27781	0.33%	0.048%
265	17.744	17.668	17.767	VV	1577	44322	0.53%	0.077%
266	17.809	17.767	17.841	VV	7565	125083	1.50%	0.218%
267	17.895	17.841	17.913	VV	1370	27359	0.33%	0.048%
268	17.936	17.913	17.963	VV	1961	28548	0.34%	0.050%
269	17.991	17.963	18.004	VV	337	3850	0.05%	0.007%
270	18.049	18.004	18.061	PV	531	11936	0.14%	0.021%
271	18.089	18.061	18.150	VV	16788	219973	2.63%	0.383%
272	18.247	18.150	18.287	PV	8179	167686	2.01%	0.292%
273	18.338	18.287	18.358	VV	4043	98861	1.18%	0.172%
274	18.412	18.358	18.422	VV	1803	68679	0.82%	0.120%
275	18.477	18.422	18.498	VV	2862	84589	1.01%	0.147%
276	18.515	18.498	18.538	VV	1432	28449	0.34%	0.050%
277	18.585	18.538	18.599	VV	3365	68140	0.82%	0.119%
278	18.622	18.599	18.642	VV	4498	91484	1.10%	0.159%
279	18.671	18.642	18.708	VV	11230	194135	2.32%	0.338%
280	18.713	18.708	18.724	VV	471	3334	0.04%	0.006%
281	18.781	18.724	18.801	VV	1376	40395	0.48%	0.070%
282	18.837	18.801	18.850	VV	1425	31684	0.38%	0.055%
283	18.945	18.850	18.961	VV	2689	142885	1.71%	0.249%
284	18.983	18.961	19.000	VV	2978	58548	0.70%	0.102%
285	19.027	19.000	19.048	VV	4974	102457	1.23%	0.178%
286	19.081	19.048	19.109	VV	10997	221506	2.65%	0.386%
287	19.117	19.109	19.137	VV	2491	35803	0.43%	0.062%
288	19.171	19.137	19.204	VV	20042	329181	3.94%	0.573%
289	19.226	19.204	19.246	VV	6078	101482	1.22%	0.177%
290	19.263	19.246	19.281	VV	3251	59197	0.71%	0.103%
291	19.303	19.281	19.316	VV	2663	49121	0.59%	0.086%
292	19.366	19.316	19.386	VV	5249	139107	1.67%	0.242%
293	19.431	19.386	19.451	VV	25983	476532	5.71%	0.830%
294	19.471	19.451	19.534	VV	14919	487743	5.84%	0.849%
295	19.583	19.534	19.602	VV	12796	362969	4.35%	0.632%
296	19.625	19.602	19.661	VV	13432	364732	4.37%	0.635%
297	19.684	19.661	19.702	VV	9816	198994	2.38%	0.347%
298	19.776	19.702	19.788	VV	8519	412938	4.94%	0.719%
299	19.814	19.788	19.833	VV	8325	208363	2.49%	0.363%

rteres

300	19.868	19.833	19.913	VV	14091	483178	5.79%	0.841%
301	19.949	19.913	19.961	VV	10905	289927	3.47%	0.505%
302	20.108	19.961	20.120	VV	16871	1263280	15.13%	2.200%
303	20.142	20.120	20.151	VV	17781	318495	3.81%	0.555%
304	20.241	20.151	20.263	VV	21560	1156689	13.85%	2.014%
305	20.271	20.263	20.291	VV	15700	250931	3.00%	0.437%
306	20.364	20.291	20.384	VV	18881	933603	11.18%	1.626%
307	20.439	20.384	20.451	VV	24876	877695	10.51%	1.529%
308	20.466	20.451	20.533	VV	25377	1187739	14.22%	2.069%
309	20.544	20.533	20.558	VV	21959	310319	3.72%	0.540%
310	20.568	20.558	20.580	VV	21247	281414	3.37%	0.490%
311	20.610	20.580	20.640	VV	24299	813431	9.74%	1.417%
312	20.662	20.640	20.671	VV	23172	411620	4.93%	0.717%
313	20.708	20.671	20.743	VV	26674	1095749	13.12%	1.908%
314	20.780	20.743	20.816	VV	33649	1230299	14.73%	2.143%
315	20.828	20.816	20.834	VV	24725	256838	3.08%	0.447%
316	20.874	20.834	20.893	VV	27330	915577	10.96%	1.595%
317	20.968	20.893	20.989	VV	30500	1619136	19.39%	2.820%
318	21.006	20.989	21.021	VV	29450	542406	6.49%	0.945%
319	21.031	21.021	21.130	VV	27472	1492956	17.88%	2.600%
320	21.231	21.130	21.244	VV	22408	1414298	16.93%	2.463%
321	21.286	21.244	21.304	VV	22635	766386	9.18%	1.335%
322	21.336	21.304	21.352	VV	21532	598781	7.17%	1.043%
323	21.372	21.352	21.444	VV	20602	960969	11.51%	1.674%
324	21.468	21.444	21.479	VV	12361	256784	3.07%	0.447%
325	21.513	21.479	21.523	VV	11947	307991	3.69%	0.536%
326	21.555	21.523	21.569	VV	13489	343064	4.11%	0.597%
327	21.586	21.569	21.603	VV	13421	258233	3.09%	0.450%
328	21.617	21.603	21.641	VV	12452	271024	3.25%	0.472%
329	21.730	21.641	21.793	VV	14866	1148465	13.75%	2.000%
330	21.805	21.793	21.861	VV	12564	430666	5.16%	0.750%
331	21.912	21.861	21.933	VV	13656	488541	5.85%	0.851%
332	21.949	21.933	22.028	VV	10667	440457	5.27%	0.767%
333	22.041	22.028	22.051	VV	5321	68373	0.82%	0.119%
334	22.111	22.051	22.120	VV	6689	243487	2.92%	0.424%
335	22.141	22.120	22.202	VV	7423	229299	2.75%	0.399%
336	22.222	22.202	22.269	VV	3763	81962	0.98%	0.143%
337	22.324	22.269	22.350	PV	3828	102307	1.22%	0.178%
338	22.366	22.350	22.410	VV	2930	71844	0.86%	0.125%

Sum of corrected areas: 57419293

Aliphatic EPH 080125.M Mon Aug 11 04:04:51 2025

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/07/25
Project:	3313 BAY AVENUE	Date Received:	08/07/25
Client Sample ID:	S-2	SDG No.:	Q2802
Lab Sample ID:	Q2802-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/08/25 09:37	08/08/25 19:20	PB169177

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	19.8		1	1.38	2.34	mg/kg	FE055219.D
Aliphatic C9-C28	Aliphatic C9-C28	2.79	J	1	1.06	4.68	mg/kg	FE055219.D
Total AliphaticEPH	Total AliphaticEPH	22.6			2.44	7.02	mg/kg	
Total EPH	Total EPH	22.6			2.44	7.02	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:	Earth Engineering Inc.	Date Collected:	08/07/25
Project:	3313 BAY AVENUE	Date Received:	08/07/25
Client Sample ID:	S-2	SDG No.:	Q2802
Lab Sample ID:	Q2802-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055219.D	1	08/08/25	08/08/25	PB169177

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.79	J	1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		19.8		1.38	2.34	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		50.9		40 - 140	102%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		51.6		40 - 140	103%	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:	Q2802-03	Acq On:	08 Aug 2025 19:20
Client Sample ID:	S-2	Operator:	YP\AJ
Data file:	FE055219.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.960	531851	4.554	300	ug/ml
Aliphatic C12-C16	6.961	10.413	1219209	9.736	200	ug/ml
Aliphatic C16-C21	10.414	13.792	978011	7.737	300	ug/ml
Aliphatic C21-C28	13.793	17.464	1647398	13.671	400	ug/ml
Aliphatic C28-C40	17.465	22.492	28936902	253.861	600	ug/ml
Aliphatic EPH	3.325	22.492	33313371	289.559		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	7365629	51.58		ug/ml
1-chlorooctadecane (SURR)	13.523	13.523	5467468	50.85		ug/ml
Aliphatic C9-C28	3.325	17.464	4376469	35.698	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080825AL\
Data File : FE055219.D
Signal(s) : FID1B.ch
Acq On : 08 Aug 2025 19:20
Operator : YP\AJ
Sample : Q2802-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-2

Integration File: autoint1.e
Quant Time: Aug 11 03:22:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.088	7365629	51.579 ug/ml
Spiked Amount 50.000		Recovery = 103.16%	
12) S 1-chlorooctadecane (S...	13.523	5467468	50.849 ug/ml
Spiked Amount 50.000		Recovery = 101.70%	
Target Compounds			

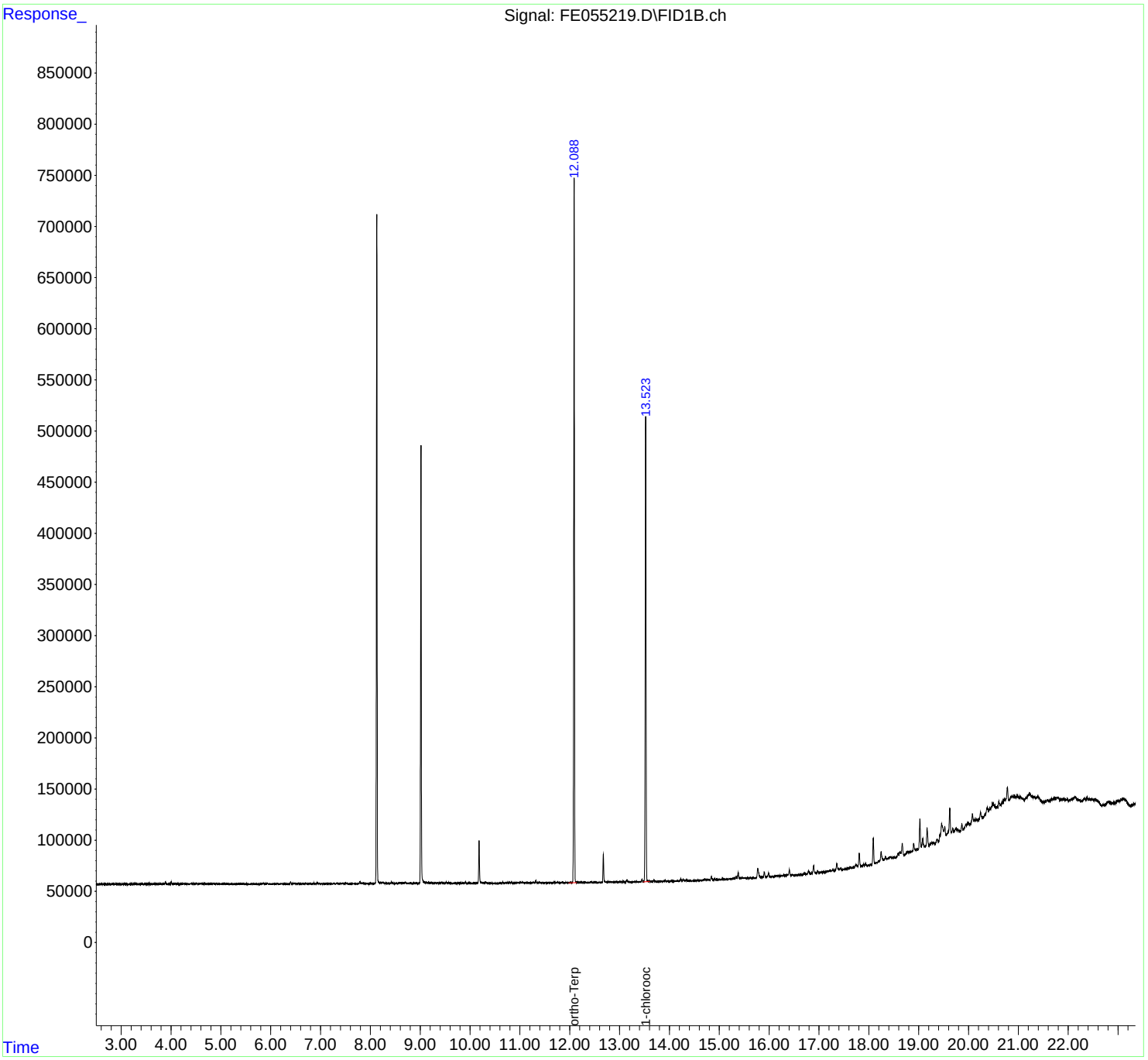
(f)=RT Delta > 1/2 Window (m)=manual int.

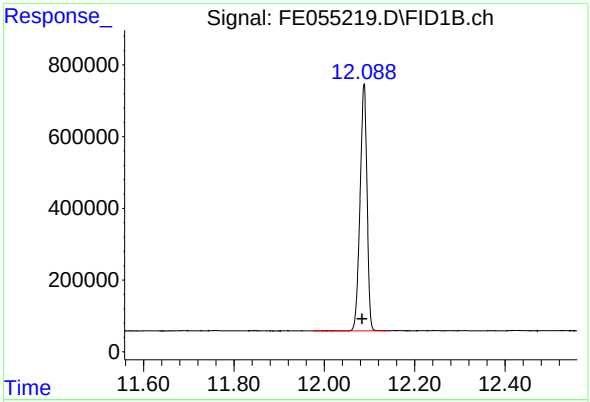
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080825AL\
Data File : FE055219.D
Signal(s) : FID1B.ch
Acq On : 08 Aug 2025 19:20
Operator : YP\AJ
Sample : Q2802-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-2

Integration File: autoint1.e
Quant Time: Aug 11 03:22:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

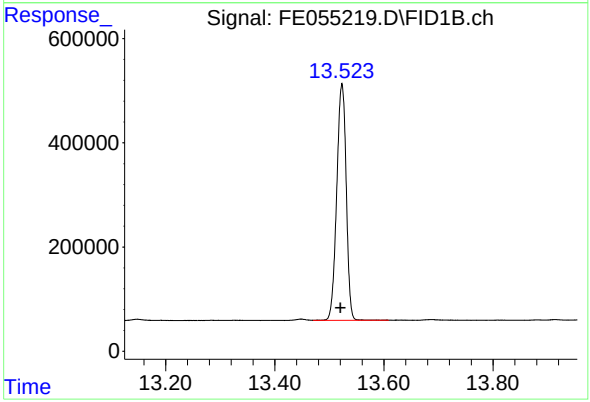




#9 ortho-Terphenyl (SURR)

R.T.: 12.088 min
Delta R.T.: 0.004 min
Response: 7365629
Conc: 51.58 ug/ml

Instrument :
FID_E
ClientSampleId :
S-2



#12 1-chlorooctadecane (SURR)

R.T.: 13.523 min
Delta R.T.: 0.003 min
Response: 5467468
Conc: 50.85 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080825AL\
Data File : FE055219.D
Signal(s) : FID1B.ch
Acq On : 08 Aug 2025 19:20
Sample : Q2802-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.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	2.838	2.805	2.875	BV	396	5606	0.08%	0.012%
2	2.898	2.875	2.927	VV	246	4126	0.06%	0.009%
3	2.949	2.927	2.978	VV	145	2895	0.04%	0.006%
4	2.992	2.978	3.011	PV	158	2073	0.03%	0.004%
5	3.032	3.011	3.045	VV	165	2411	0.03%	0.005%
6	3.052	3.045	3.089	VV	218	3069	0.04%	0.007%
7	3.098	3.089	3.165	VV	189	4078	0.06%	0.009%
8	3.208	3.165	3.241	VV	159	5663	0.08%	0.012%
9	3.259	3.241	3.272	VV	465	5659	0.08%	0.012%
10	3.282	3.272	3.335	VV	459	11763	0.16%	0.025%
11	3.343	3.335	3.363	VV	281	2576	0.03%	0.006%
12	3.418	3.363	3.441	VV	397	9388	0.13%	0.020%
13	3.568	3.441	3.582	VV	280	14549	0.20%	0.031%
14	3.603	3.582	3.618	VV	284	5051	0.07%	0.011%
15	3.638	3.618	3.648	VV	260	3649	0.05%	0.008%
16	3.663	3.648	3.701	VV	310	5928	0.08%	0.013%
17	3.731	3.701	3.757	VV	209	6154	0.08%	0.013%
18	3.774	3.757	3.830	VV	264	8291	0.11%	0.018%
19	3.889	3.830	3.945	VV	2533	39420	0.53%	0.085%
20	3.948	3.945	3.988	VV	280	4468	0.06%	0.010%
21	4.006	3.988	4.074	VV	2122	25957	0.35%	0.056%
22	4.106	4.074	4.117	VV	280	4840	0.07%	0.010%
23	4.128	4.117	4.181	VV	279	7015	0.10%	0.015%
24	4.211	4.181	4.235	VV	511	10071	0.14%	0.022%
25	4.242	4.235	4.251	VV	293	2587	0.04%	0.006%
26	4.265	4.251	4.281	VV	358	5394	0.07%	0.012%
27	4.286	4.281	4.308	VV	324	4111	0.06%	0.009%
28	4.330	4.308	4.365	VV	338	7252	0.10%	0.016%
29	4.369	4.365	4.375	VV	238	1249	0.02%	0.003%
30	4.402	4.375	4.465	VV	551	19025	0.26%	0.041%
31	4.471	4.465	4.480	VV	294	2671	0.04%	0.006%
32	4.491	4.480	4.501	VV	337	3626	0.05%	0.008%
33	4.514	4.501	4.577	VV	389	14116	0.19%	0.031%
34	4.616	4.577	4.665	VV	496	18276	0.25%	0.040%
35	4.676	4.665	4.718	VV	602	11573	0.16%	0.025%
36	4.725	4.718	4.748	VV	403	5278	0.07%	0.011%

rteres

37	4.754	4.748	4.780	VV	259	4841	0.07%	0.010%
38	4.790	4.780	4.831	VV	329	6328	0.09%	0.014%
39	4.845	4.831	4.881	VV	451	7909	0.11%	0.017%
40	4.902	4.881	4.922	VV	276	5788	0.08%	0.013%
41	4.939	4.922	4.955	VV	258	4491	0.06%	0.010%
42	4.961	4.955	4.978	VV	290	3655	0.05%	0.008%
43	4.988	4.978	5.040	VV	261	7992	0.11%	0.017%
44	5.073	5.040	5.085	VV	307	6400	0.09%	0.014%
45	5.099	5.085	5.118	VV	313	4651	0.06%	0.010%
46	5.144	5.118	5.168	VV	288	5359	0.07%	0.012%
47	5.182	5.168	5.238	VV	244	6558	0.09%	0.014%
48	5.259	5.238	5.283	VV	197	3825	0.05%	0.008%
49	5.292	5.283	5.301	VV	178	1539	0.02%	0.003%
50	5.341	5.301	5.371	VV	236	6222	0.08%	0.013%
51	5.392	5.371	5.420	VV	276	6023	0.08%	0.013%
52	5.437	5.420	5.451	VV	230	3167	0.04%	0.007%
53	5.472	5.451	5.491	VV	217	3523	0.05%	0.008%
54	5.501	5.491	5.559	VV	245	4172	0.06%	0.009%
55	5.624	5.559	5.643	VV	412	8118	0.11%	0.018%
56	5.655	5.643	5.676	VV	162	2444	0.03%	0.005%
57	5.696	5.676	5.721	VV	249	4058	0.06%	0.009%
58	5.732	5.721	5.800	VV	145	4089	0.06%	0.009%
59	5.820	5.800	5.841	VV	455	5124	0.07%	0.011%
60	5.856	5.841	5.911	VV	815	13096	0.18%	0.028%
61	5.932	5.911	5.972	VV	464	7645	0.10%	0.017%
62	5.992	5.972	6.044	VV	178	5400	0.07%	0.012%
63	6.065	6.044	6.099	VV	233	4184	0.06%	0.009%
64	6.136	6.099	6.163	VV	259	4765	0.06%	0.010%
65	6.188	6.163	6.228	VV	255	5044	0.07%	0.011%
66	6.269	6.228	6.285	VV	167	3696	0.05%	0.008%
67	6.307	6.285	6.334	PV	151	2826	0.04%	0.006%
68	6.357	6.334	6.375	PV	306	4975	0.07%	0.011%
69	6.399	6.375	6.441	VV	2017	29404	0.40%	0.064%
70	6.474	6.441	6.518	VV	476	13782	0.19%	0.030%
71	6.549	6.518	6.571	VV	352	8339	0.11%	0.018%
72	6.654	6.571	6.666	VV	250	11070	0.15%	0.024%
73	6.694	6.666	6.740	VV	514	11374	0.15%	0.025%
74	6.751	6.740	6.762	VV	246	2382	0.03%	0.005%
75	6.789	6.762	6.830	VV	524	9982	0.14%	0.022%
76	6.864	6.830	6.901	VV	523	11434	0.16%	0.025%
77	6.931	6.901	6.996	VV	1353	23662	0.32%	0.051%
78	7.005	6.996	7.041	VV	192	3230	0.04%	0.007%
79	7.061	7.041	7.098	PV	269	3533	0.05%	0.008%
80	7.115	7.098	7.127	VV	145	1145	0.02%	0.002%
81	7.142	7.127	7.200	VV	276	5768	0.08%	0.012%
82	7.266	7.200	7.291	VV	619	10481	0.14%	0.023%
83	7.311	7.291	7.324	VV	268	3659	0.05%	0.008%
84	7.342	7.324	7.365	VV	563	8508	0.12%	0.018%
85	7.398	7.365	7.480	VV	489	17241	0.23%	0.037%
86	7.503	7.480	7.521	VV	829	10578	0.14%	0.023%
87	7.530	7.521	7.564	VV	606	7726	0.10%	0.017%
88	7.584	7.564	7.621	VV	193	4458	0.06%	0.010%
89	7.641	7.621	7.701	VV	451	9290	0.13%	0.020%

90	7.718	7.701	7.756	VV	172	3357	0.05%	0.007%
91	7.790	7.756	7.838	VV	2320	34026	0.46%	0.074%
92	7.851	7.838	7.875	VV	510	7084	0.10%	0.015%
93	7.886	7.875	7.915	VV	355	5629	0.08%	0.012%
94	7.926	7.915	7.965	VV	201	2767	0.04%	0.006%
95	7.987	7.965	7.997	VV	710	6558	0.09%	0.014%
96	8.007	7.997	8.026	VV	770	7886	0.11%	0.017%
97	8.036	8.026	8.068	VV	193	2437	0.03%	0.005%
98	8.223	8.198	8.254	VV	1183	34271	0.46%	0.074%
99	8.266	8.254	8.285	VV	1279	17060	0.23%	0.037%
100	8.294	8.285	8.374	VV	598	21872	0.30%	0.047%
101	8.427	8.374	8.442	VV	1337	24395	0.33%	0.053%
102	8.450	8.442	8.485	VV	754	10415	0.14%	0.023%
103	8.515	8.485	8.558	VV	521	16932	0.23%	0.037%
104	8.587	8.558	8.611	VV	804	18810	0.26%	0.041%
105	8.621	8.611	8.640	VV	821	11680	0.16%	0.025%
106	8.652	8.640	8.663	VV	683	7724	0.10%	0.017%
107	8.693	8.663	8.761	VV	1188	41273	0.56%	0.089%
108	8.808	8.761	8.845	VV	900	27486	0.37%	0.059%
109	8.865	8.845	8.876	VV	726	8775	0.12%	0.019%
110	8.888	8.876	8.904	VV	723	8478	0.11%	0.018%
111	8.923	8.904	8.960	VV	974	16081	0.22%	0.035%
112	9.166	9.134	9.208	VV	1173	38117	0.52%	0.082%
113	9.227	9.208	9.271	VV	746	18988	0.26%	0.041%
114	9.277	9.271	9.286	VV	393	3041	0.04%	0.007%
115	9.307	9.286	9.335	VV	852	16337	0.22%	0.035%
116	9.351	9.335	9.371	VV	974	12973	0.18%	0.028%
117	9.387	9.371	9.404	VV	613	8942	0.12%	0.019%
118	9.427	9.404	9.494	VV	1234	33803	0.46%	0.073%
119	9.523	9.494	9.548	VV	1441	23727	0.32%	0.051%
120	9.565	9.548	9.622	VV	863	18702	0.25%	0.040%
121	9.631	9.622	9.651	VV	222	2905	0.04%	0.006%
122	9.684	9.651	9.699	VV	694	9844	0.13%	0.021%
123	9.713	9.699	9.744	VV	593	8581	0.12%	0.019%
124	9.766	9.744	9.781	VV	280	3779	0.05%	0.008%
125	9.819	9.781	9.837	VV	545	9870	0.13%	0.021%
126	9.855	9.837	9.876	VV	572	9420	0.13%	0.020%
127	9.906	9.876	9.955	VV	1181	24725	0.34%	0.053%
128	9.986	9.955	10.015	VV	725	16110	0.22%	0.035%
129	10.025	10.015	10.041	VV	285	3604	0.05%	0.008%
130	10.053	10.041	10.066	VV	301	3920	0.05%	0.008%
131	10.083	10.066	10.100	VV	554	8118	0.11%	0.018%
132	10.142	10.100	10.154	VV	641	11627	0.16%	0.025%
133	10.181	10.154	10.284	VV	41755	485665	6.59%	1.051%
134	10.308	10.284	10.378	VV	929	25798	0.35%	0.056%
135	10.416	10.378	10.471	VV	438	11246	0.15%	0.024%
136	10.490	10.471	10.541	VV	280	4315	0.06%	0.009%
137	10.556	10.541	10.568	PV	34	367	0.00%	0.001%
138	10.656	10.568	10.688	VV	1376	21402	0.29%	0.046%
139	10.705	10.688	10.718	VV	444	6183	0.08%	0.013%
140	10.757	10.718	10.768	VV	526	11050	0.15%	0.024%
141	10.791	10.768	10.813	VV	912	15254	0.21%	0.033%

rteres

142	10.833	10.813	10.878	VV	1038	17642	0.24%	0.038%
143	10.914	10.878	10.941	VV	658	16202	0.22%	0.035%
144	10.972	10.941	10.991	VV	789	16480	0.22%	0.036%
145	11.006	10.991	11.032	VV	1040	16830	0.23%	0.036%
146	11.050	11.032	11.098	VV	1045	19618	0.27%	0.042%
147	11.121	11.098	11.140	VV	548	10571	0.14%	0.023%
148	11.153	11.140	11.222	VV	620	17008	0.23%	0.037%
149	11.274	11.222	11.296	VV	634	14763	0.20%	0.032%
150	11.319	11.296	11.358	VV	2339	35630	0.48%	0.077%
151	11.396	11.358	11.413	VV	770	14759	0.20%	0.032%
152	11.423	11.413	11.438	VV	492	5443	0.07%	0.012%
153	11.445	11.438	11.464	VV	337	4063	0.06%	0.009%
154	11.480	11.464	11.498	VV	266	4263	0.06%	0.009%
155	11.501	11.498	11.521	VV	235	2395	0.03%	0.005%
156	11.531	11.521	11.565	VV	209	3123	0.04%	0.007%
157	11.572	11.565	11.590	VV	155	1545	0.02%	0.003%
158	11.616	11.590	11.652	VV	388	6844	0.09%	0.015%
159	11.687	11.652	11.711	VV	748	12198	0.17%	0.026%
160	11.728	11.711	11.738	VV	488	5593	0.08%	0.012%
161	11.757	11.738	11.817	VV	984	18938	0.26%	0.041%
162	11.842	11.817	11.897	VV	527	11668	0.16%	0.025%
163	11.921	11.897	11.935	PV	256	3464	0.05%	0.007%
164	11.952	11.935	11.980	VV	335	5386	0.07%	0.012%
165	12.004	11.980	12.041	VV	415	9726	0.13%	0.021%
166	12.088	12.041	12.142	VV	691449	7374030	100.00%	15.953%
167	12.158	12.142	12.195	VV	772	14823	0.20%	0.032%
168	12.216	12.195	12.228	VV	566	8050	0.11%	0.017%
169	12.244	12.228	12.261	VV	920	10690	0.14%	0.023%
170	12.278	12.261	12.291	VV	434	6236	0.08%	0.013%
171	12.307	12.291	12.340	VV	601	8040	0.11%	0.017%
172	12.366	12.340	12.398	PV	350	6205	0.08%	0.013%
173	12.427	12.398	12.470	VV	1036	21189	0.29%	0.046%
174	12.494	12.470	12.508	VV	397	7505	0.10%	0.016%
175	12.524	12.508	12.572	VV	589	10292	0.14%	0.022%
176	12.597	12.572	12.644	VV	283	7441	0.10%	0.016%
177	12.673	12.644	12.748	VV	27681	308847	4.19%	0.668%
178	12.769	12.748	12.781	VV	512	7443	0.10%	0.016%
179	12.810	12.781	12.860	VV	568	17624	0.24%	0.038%
180	12.882	12.860	12.903	VV	544	9413	0.13%	0.020%
181	12.911	12.903	12.946	VV	323	5931	0.08%	0.013%
182	12.979	12.946	12.993	VV	272	6175	0.08%	0.013%
183	13.017	12.993	13.046	VV	615	13017	0.18%	0.028%
184	13.072	13.046	13.118	VV	1499	24756	0.34%	0.054%
185	13.147	13.118	13.179	VV	2601	38203	0.52%	0.083%
186	13.192	13.179	13.227	VV	474	5558	0.08%	0.012%
187	13.242	13.227	13.257	PV	138	1453	0.02%	0.003%
188	13.285	13.257	13.311	VV	441	6768	0.09%	0.015%
189	13.325	13.311	13.374	VV	393	8266	0.11%	0.018%
190	13.389	13.374	13.419	PV	189	3110	0.04%	0.007%
191	13.448	13.419	13.471	VV	2479	33556	0.46%	0.073%
192	13.523	13.471	13.617	VV	453356	5489969	74.45%	11.877%
193	13.631	13.617	13.657	VV	455	7681	0.10%	0.017%
194	13.687	13.657	13.795	VV	1464	35770	0.49%	0.077%

rteres

195	13.809	13.795	13.855	VV	349	5383	0.07%	0.012%
196	13.882	13.855	13.895	VV	662	8342	0.11%	0.018%
197	13.914	13.895	13.937	VV	1295	17077	0.23%	0.037%
198	13.956	13.937	13.994	VV	505	7760	0.11%	0.017%
199	14.039	13.994	14.085	PV	562	13080	0.18%	0.028%
200	14.106	14.085	14.118	VV	246	3940	0.05%	0.009%
201	14.149	14.118	14.168	VV	405	8665	0.12%	0.019%
202	14.194	14.168	14.204	VV	515	7380	0.10%	0.016%
203	14.225	14.204	14.249	VV	2291	29039	0.39%	0.063%
204	14.275	14.249	14.306	VV	1841	29885	0.41%	0.065%
205	14.340	14.306	14.391	VV	1340	27990	0.38%	0.061%
206	14.400	14.391	14.414	PV	169	1543	0.02%	0.003%
207	14.432	14.414	14.453	VV	176	2359	0.03%	0.005%
208	14.505	14.453	14.541	PV	305	9527	0.13%	0.021%
209	14.553	14.541	14.587	VV	168	4070	0.06%	0.009%
210	14.681	14.587	14.694	VV	605	16407	0.22%	0.035%
211	14.714	14.694	14.741	VV	1199	19826	0.27%	0.043%
212	14.752	14.741	14.757	VV	426	3961	0.05%	0.009%
213	14.780	14.757	14.815	VV	531	11601	0.16%	0.025%
214	14.841	14.815	14.866	PV	3301	46914	0.64%	0.101%
215	14.876	14.866	14.884	VV	488	4873	0.07%	0.011%
216	14.911	14.884	14.929	VV	829	15788	0.21%	0.034%
217	14.950	14.929	14.998	VV	421	12921	0.18%	0.028%
218	15.022	14.998	15.038	VV	409	4961	0.07%	0.011%
219	15.061	15.038	15.115	VV	916	16597	0.23%	0.036%
220	15.146	15.115	15.160	VV	218	3636	0.05%	0.008%
221	15.191	15.160	15.201	VV	298	4785	0.06%	0.010%
222	15.240	15.201	15.265	VV	404	11030	0.15%	0.024%
223	15.291	15.265	15.308	VV	610	11456	0.16%	0.025%
224	15.335	15.308	15.358	VV	2584	42611	0.58%	0.092%
225	15.380	15.358	15.407	VV	6103	87337	1.18%	0.189%
226	15.426	15.407	15.443	VV	1143	17418	0.24%	0.038%
227	15.459	15.443	15.479	VV	1079	15980	0.22%	0.035%
228	15.496	15.479	15.510	VV	534	8922	0.12%	0.019%
229	15.524	15.510	15.546	VV	626	9285	0.13%	0.020%
230	15.574	15.546	15.601	VV	283	6812	0.09%	0.015%
231	15.618	15.601	15.664	VV	487	9850	0.13%	0.021%
232	15.691	15.664	15.705	VV	424	5930	0.08%	0.013%
233	15.721	15.705	15.738	VV	246	3248	0.04%	0.007%
234	15.772	15.738	15.848	PV	9539	198341	2.69%	0.429%
235	15.861	15.848	15.875	VV	603	7259	0.10%	0.016%
236	15.903	15.875	15.941	VV	5411	78951	1.07%	0.171%
237	15.987	15.941	16.035	VV	4152	74260	1.01%	0.161%
238	16.049	16.035	16.074	VV	569	9525	0.13%	0.021%
239	16.170	16.074	16.204	VV	789	39248	0.53%	0.085%
240	16.239	16.204	16.255	VV	692	18311	0.25%	0.040%
241	16.298	16.255	16.316	VV	870	26291	0.36%	0.057%
242	16.406	16.316	16.444	VV	5935	121329	1.65%	0.262%
243	16.466	16.444	16.523	VV	817	18668	0.25%	0.040%
244	16.540	16.523	16.563	VV	201	3188	0.04%	0.007%
245	16.626	16.563	16.665	VV	611	14086	0.19%	0.030%
246	16.710	16.665	16.732	PV	1126	21803	0.30%	0.047%

247	16.791	16.732	16.840	VV	2901	71497	0.97%	0.155%
248	16.891	16.840	16.944	VV	7356	129320	1.75%	0.280%
249	16.974	16.944	17.008	VV	1744	26658	0.36%	0.058%
250	17.028	17.008	17.065	VV	645	11526	0.16%	0.025%
251	17.115	17.065	17.128	VV	241	5077	0.07%	0.011%
252	17.222	17.128	17.254	PV	1440	33617	0.46%	0.073%
253	17.279	17.254	17.303	VV	1645	22843	0.31%	0.049%
254	17.358	17.303	17.411	VV	6964	120573	1.64%	0.261%
255	17.436	17.411	17.462	VV	1799	26838	0.36%	0.058%
256	17.625	17.462	17.670	PV	901	29117	0.39%	0.063%
257	17.742	17.670	17.778	VV	2822	84122	1.14%	0.182%
258	17.808	17.778	17.841	VV	13579	198150	2.69%	0.429%
259	17.895	17.841	17.914	VV	1818	36821	0.50%	0.080%
260	17.935	17.914	17.966	VV	2316	32906	0.45%	0.071%
261	18.034	17.966	18.047	PV	391	6498	0.09%	0.014%
262	18.090	18.047	18.121	PV	25503	328681	4.46%	0.711%
263	18.248	18.121	18.289	VV	10241	239930	3.25%	0.519%
264	18.335	18.289	18.365	VV	4120	102133	1.39%	0.221%
265	18.416	18.365	18.424	VV	2393	66619	0.90%	0.144%
266	18.438	18.424	18.461	VV	2097	39399	0.53%	0.085%
267	18.491	18.461	18.538	VV	1181	37258	0.51%	0.081%
268	18.584	18.538	18.599	PV	3873	58479	0.79%	0.127%
269	18.623	18.599	18.645	VV	4314	91073	1.24%	0.197%
270	18.671	18.645	18.715	VV	12300	206248	2.80%	0.446%
271	18.775	18.715	18.798	VV	2822	75360	1.02%	0.163%
272	18.846	18.798	18.859	VV	1653	53815	0.73%	0.116%
273	18.901	18.859	18.937	VV	8486	165203	2.24%	0.357%
274	19.024	18.937	19.051	VV	30759	503957	6.83%	1.090%
275	19.081	19.051	19.133	VV	10958	264056	3.58%	0.571%
276	19.170	19.133	19.205	VV	19621	358446	4.86%	0.775%
277	19.224	19.205	19.236	VV	3239	52752	0.72%	0.114%
278	19.260	19.236	19.280	VV	4446	95528	1.30%	0.207%
279	19.298	19.280	19.330	VV	4406	96198	1.30%	0.208%
280	19.369	19.330	19.397	VV	5805	167315	2.27%	0.362%
281	19.461	19.397	19.501	VV	19928	748908	10.16%	1.620%
282	19.524	19.501	19.549	VV	16113	349357	4.74%	0.756%
283	19.624	19.549	19.653	VV	32765	856206	11.61%	1.852%
284	19.685	19.653	19.711	VV	11380	340578	4.62%	0.737%
285	19.746	19.711	19.772	VV	11310	361273	4.90%	0.782%
286	19.783	19.772	19.831	VV	9224	295045	4.00%	0.638%
287	19.867	19.831	19.895	VV	13311	359403	4.87%	0.778%
288	19.946	19.895	19.960	VV	12096	392631	5.32%	0.849%
289	19.982	19.960	20.026	VV	12908	471365	6.39%	1.020%
290	20.079	20.026	20.104	VV	20660	672300	9.12%	1.454%
291	20.121	20.104	20.137	VV	14151	282411	3.83%	0.611%
292	20.152	20.137	20.188	VV	13863	405223	5.50%	0.877%
293	20.199	20.188	20.207	VV	13348	151405	2.05%	0.328%
294	20.241	20.207	20.276	VV	19712	651820	8.84%	1.410%
295	20.375	20.276	20.401	VV	21979	1284777	17.42%	2.779%
296	20.501	20.401	20.551	VV	24398	1929405	26.16%	4.174%
297	20.568	20.551	20.579	VV	20553	331130	4.49%	0.716%
298	20.609	20.579	20.648	VV	24802	915359	12.41%	1.980%
299	20.721	20.648	20.741	VV	25092	1293129	17.54%	2.797%

rteres

300	20.780	20.741	20.817	VV	36111	1268115	17.20%	2.743%
301	20.846	20.817	20.861	VV	26006	658025	8.92%	1.424%
302	20.874	20.861	20.893	VV	26013	484966	6.58%	1.049%
303	20.914	20.893	20.935	VV	25123	622886	8.45%	1.348%
304	20.940	20.935	20.956	VV	24971	310682	4.21%	0.672%
305	20.976	20.956	21.017	VV	25572	887093	12.03%	1.919%
306	21.028	21.017	21.118	VV	23609	1281033	17.37%	2.771%
307	21.226	21.118	21.303	VV	23324	2313731	31.38%	5.005%
308	21.320	21.303	21.348	VV	19294	492624	6.68%	1.066%
309	21.389	21.348	21.497	VV	18141	1345257	18.24%	2.910%
310	21.508	21.497	21.517	VV	11055	134209	1.82%	0.290%
311	21.579	21.517	21.592	VV	11902	495261	6.72%	1.071%
312	21.600	21.592	21.613	VV	11396	141234	1.92%	0.306%
313	21.624	21.613	21.638	VV	10761	159802	2.17%	0.346%
314	21.662	21.638	21.684	VV	11703	304359	4.13%	0.658%
315	21.730	21.684	21.751	VV	12126	459174	6.23%	0.993%
316	21.776	21.751	21.791	VV	11784	271669	3.68%	0.588%
317	21.805	21.791	21.828	VV	11237	227328	3.08%	0.492%
318	21.840	21.828	21.861	VV	8663	164811	2.24%	0.357%
319	21.918	21.861	21.941	VV	8169	375779	5.10%	0.813%
320	21.952	21.941	21.965	VV	7036	93848	1.27%	0.203%
321	21.979	21.965	22.006	VV	7287	151941	2.06%	0.329%
322	22.053	22.006	22.065	VV	5768	183625	2.49%	0.397%
323	22.134	22.065	22.171	VV	6938	371439	5.04%	0.804%
324	22.181	22.171	22.195	VV	4135	52920	0.72%	0.114%
325	22.205	22.195	22.259	VV	3220	80737	1.09%	0.175%
326	22.317	22.259	22.354	VV	2716	81638	1.11%	0.177%
327	22.375	22.354	22.410	VV	2535	40927	0.56%	0.089%

Sum of corrected areas: 46224722

Aliphatic EPH 080125.M Mon Aug 11 04:05:16 2025

CALIBRATION SUMMARY

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

Inital Calibration Report for SequenceID : FC080125AL

AreaCount

Parameter Range	FC069558.D	FC069559.D	FC069560.D	FC069561.D	FC069562.D	
Aliphatic C9-C12	42068648.000	19691016.000	8965532.000	4370721.000	2351668.000	
Aliphatic C12-C16	27843527.000	13014807.000	5942321.000	2897742.000	1543652.000	
Aliphatic C16-C21	38214284.000	18201524.000	8181971.000	4119976.000	2180745.000	
Aliphatic C21-C28	44820531.000	21625949.000	9610305.000	4868005.000	2590582.000	
Aliphatic C28-C40	52282691.000	25521026.000	11594465.000	5791453.000	3336702.000	
Aliphatic EPH	205229681.000	98054322.000	44294594.000	22047897.000	12003349.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	144679.273333	6.643				
Aliphatic C12-C16	143435.206	6.448				
Aliphatic C16-C21	133561.231333	6.997				
Aliphatic C21-C28	118307.822	7.116				
Aliphatic C28-C40	95315.2126662	10.853				
Aliphatic EPH	120373.0272216	7.787				

Concentration

Parameter Range	FC069558.D	FC069559.D	FC069560.D	FC069561.D	FC069562.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	FC069558.D	FC069559.D	FC069560.D	FC069561.D	FC069562.D	
Aliphatic C9-C12	140228.826666	131273.440000	149425.533333	145690.700000	156777.866666	
Aliphatic C12-C16	139217.635000	130148.070000	148558.025000	144887.100000	154365.200000	
Aliphatic C16-C21	127380.946666	121343.493333	136366.183333	137332.533333	145383.000000	

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

Inital Calibration Report for SequenceID : FC080125AL

Aliphatic C21-C28	112051.327500	108129.745000	120128.812500	121700.125000	129529.100000	
Aliphatic C28-C40	87137.818333	85070.086666	96620.541666	96524.216666	111223.400000	
Aliphatic EPH	114016.489444	108949.246666	123040.538888	122488.316666	133370.544444	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069558.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 11:01
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Aug 01 13:16:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:14:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.682	14253274	96.812 ug/ml
Spiked Amount	50.000		Recovery =	193.62%
12)	S 1-chlorooctadecane (S...	13.114	10515548	97.189 ug/ml
Spiked Amount	50.000		Recovery =	194.38%
	Target Compounds			
1)	T n-Nonane (C9)	3.407	13774723	96.965 ug/ml
2)	T n-Decane (C10)	4.480	14093050	96.720 ug/ml
3)	T A~Naphthalene (C11.7)	6.077	15000524	96.766 ug/ml
4)	T n-Dodecane (C12)	6.506	14200875	96.793 ug/ml
5)	T A~2-methylnaphthalene...	7.138	14366902	97.187 ug/ml
6)	T n-Tetradecane (C14)	8.306	13912392	96.899 ug/ml
7)	T n-Hexadecane (C16)	9.911	13931135	96.610 ug/ml
8)	T n-Octadecane (C18)	11.358	13539702	96.568 ug/ml
10)	T n-Eicosane (C20)	12.667	12534426	96.547 ug/ml
11)	T n-Heneicosane (C21)	13.281	12140156	96.669 ug/ml
13)	T n-Docosane (C22)	13.868	11884209	96.620 ug/ml
14)	T n-Tetracosane (C24)	14.973	11473067	96.721 ug/ml
15)	T n-Hexacosane (C26)	15.994	10972164	96.635 ug/ml
16)	T n-Octacosane (C28)	16.945	10491091	96.074 ug/ml
17)	T n-Tricontane (C30)	17.836	10399552	94.945 ug/ml
18)	T n-Dotriacontane (C32)	18.669	9912896	94.027 ug/ml
19)	T n-Tetratriacontane (C34)	19.454	9172293	94.283 ug/ml
20)	T n-Hexatriacontane (C36)	20.195	8138973	94.805 ug/ml
21)	T n-Octatriacontane (C38)	20.962	7522009	95.506 ug/ml
22)	T n-Tetracontane (C40)	21.931	7136968	95.899 ug/ml

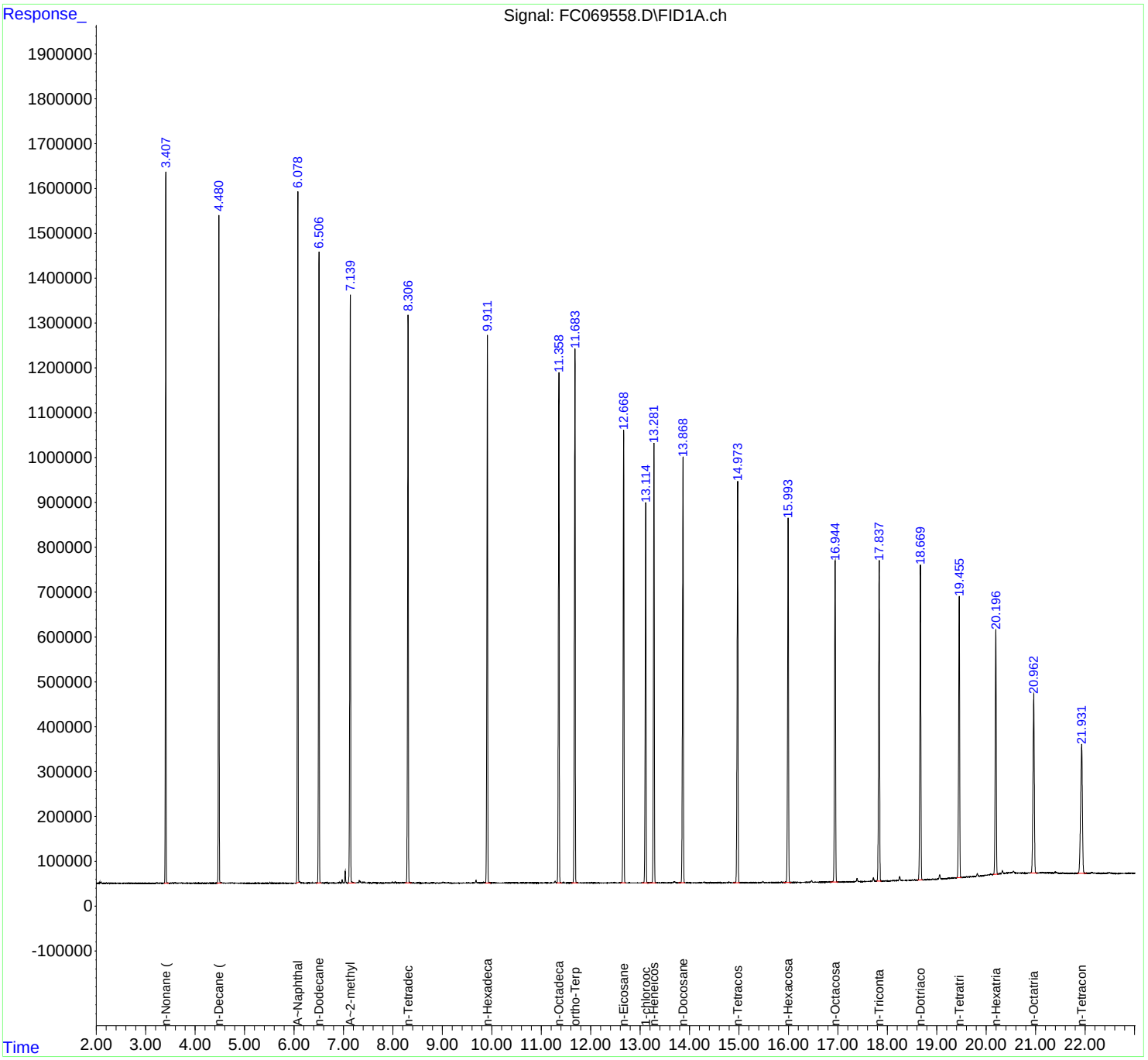
(f)=RT Delta > 1/2 Window (m)=manual int.

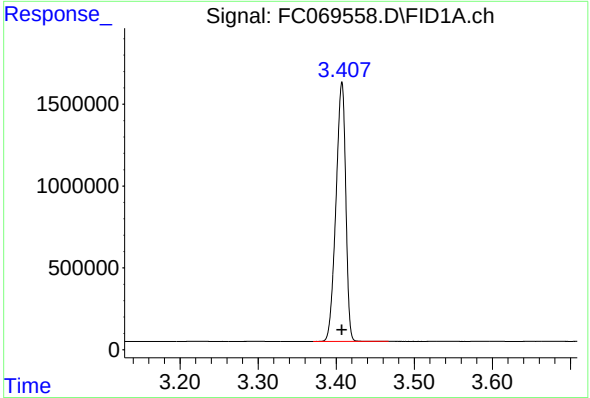
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069558.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 11:01
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Aug 01 13:16:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:14:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

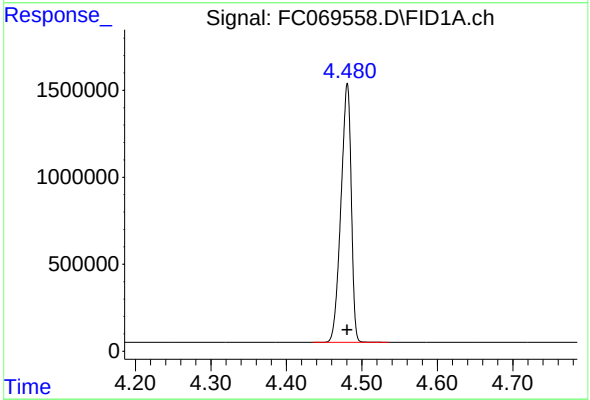




#1 n-Nonane (C9)

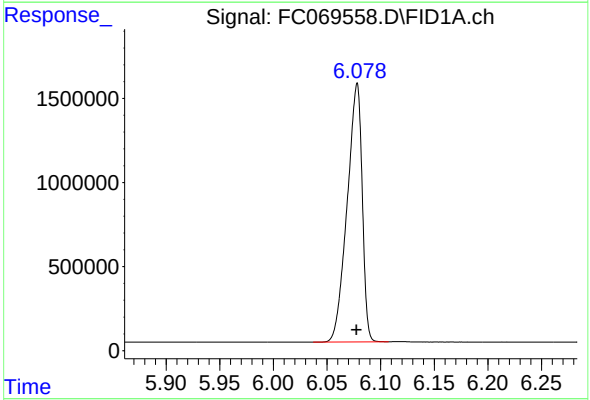
R.T.: 3.407 min
Delta R.T.: 0.000 min
Response: 13774723
Conc: 96.97 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



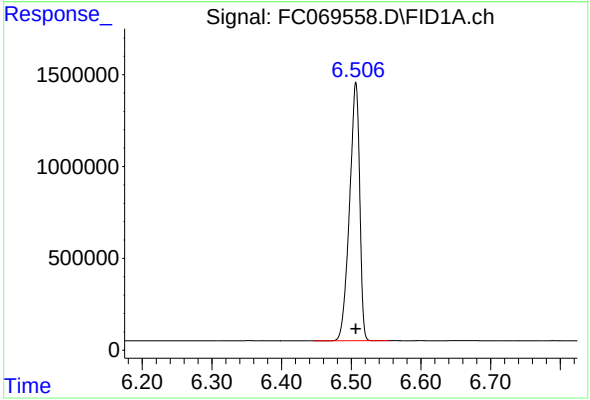
#2 n-Decane (C10)

R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 14093050
Conc: 96.72 ug/ml



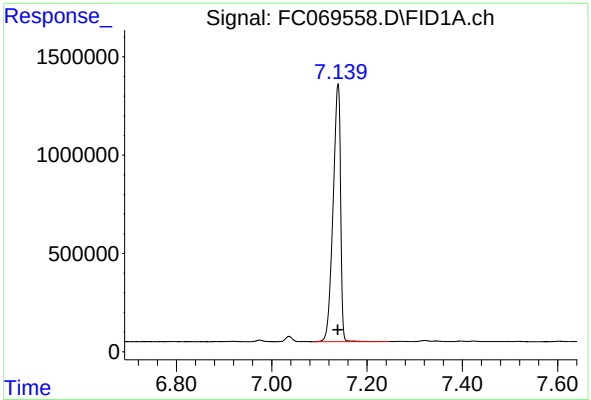
#3 A~Naphthalene (C11.7)

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 15000524
Conc: 96.77 ug/ml



#4 n-Dodecane (C12)

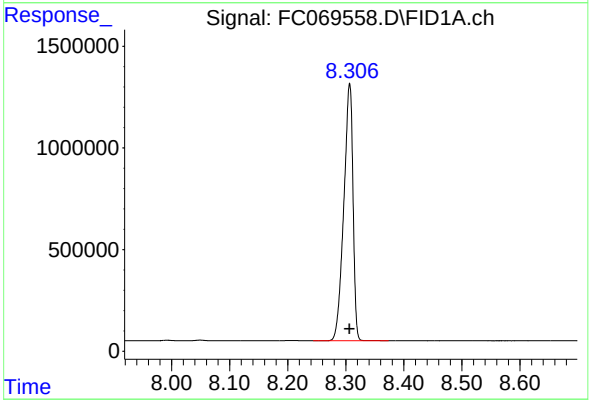
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 14200875
Conc: 96.79 ug/ml



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

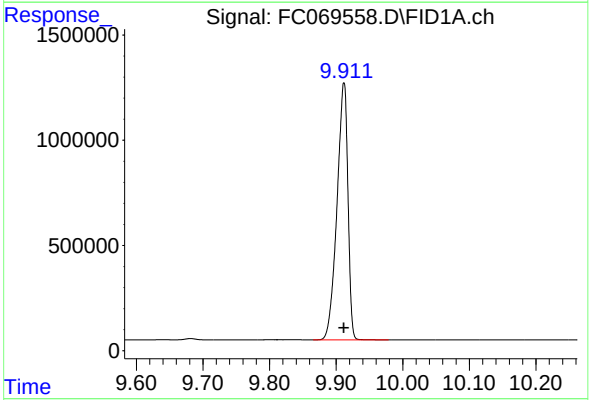
R.T.: 7.138 min
Delta R.T.: 0.000 min
Response: 14366902
Conc: 97.19 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



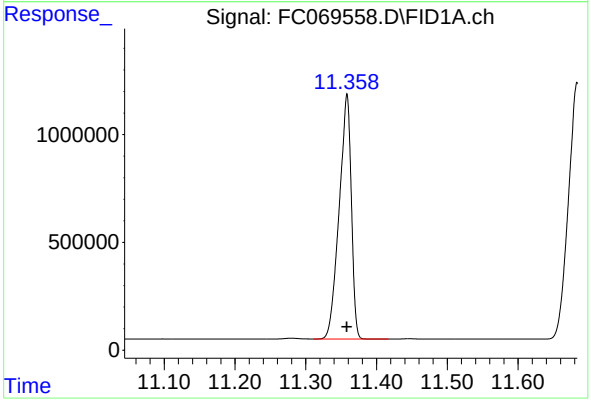
#6 n-Tetradecane (C14)

R.T.: 8.306 min
Delta R.T.: 0.000 min
Response: 13912392
Conc: 96.90 ug/ml



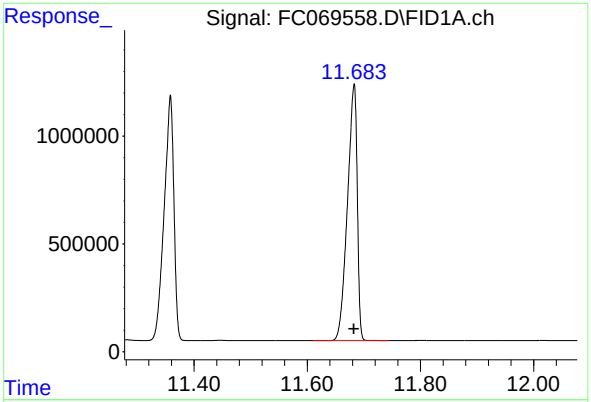
#7 n-Hexadecane (C16)

R.T.: 9.911 min
Delta R.T.: 0.000 min
Response: 13931135
Conc: 96.61 ug/ml



#8 n-Octadecane (C18)

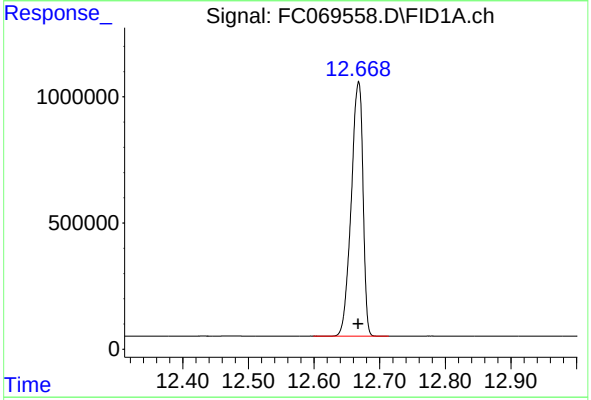
R.T.: 11.358 min
Delta R.T.: 0.000 min
Response: 13539702
Conc: 96.57 ug/ml



#9 ortho-Terphenyl (SURR)

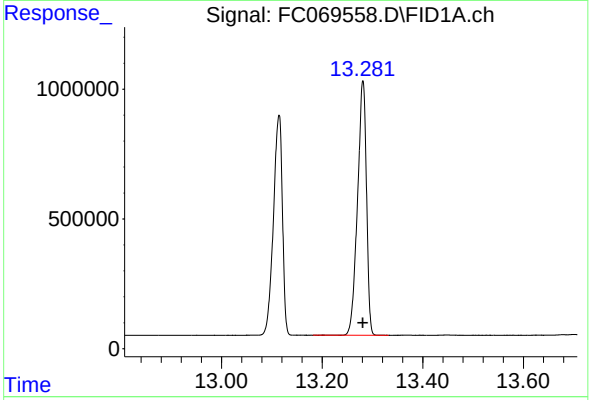
R.T.: 11.682 min
Delta R.T.: 0.000 min
Response: 14253274
Conc: 96.81 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



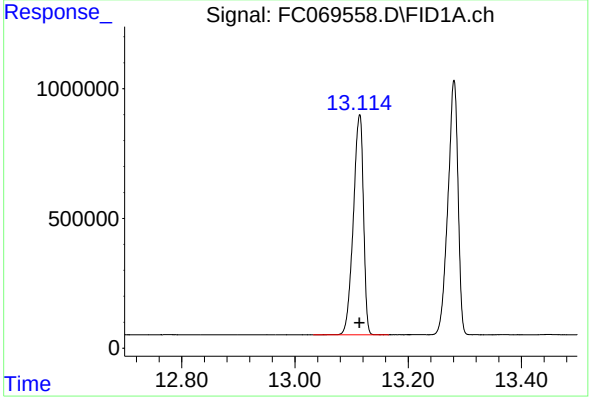
#10 n-Eicosane (C20)

R.T.: 12.667 min
Delta R.T.: 0.000 min
Response: 12534426
Conc: 96.55 ug/ml



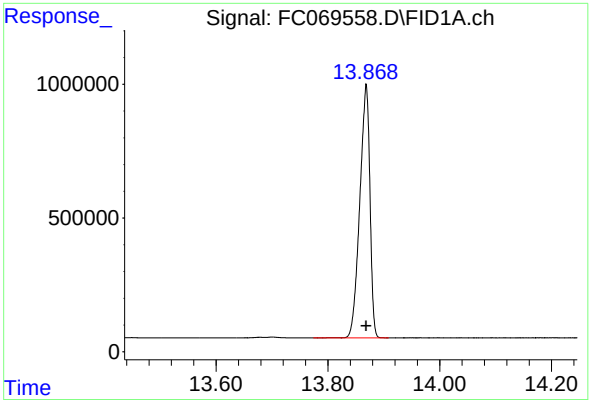
#11 n-Heneicosane (C21)

R.T.: 13.281 min
Delta R.T.: 0.000 min
Response: 12140156
Conc: 96.67 ug/ml



#12 1-chlorooctadecane (SURR)

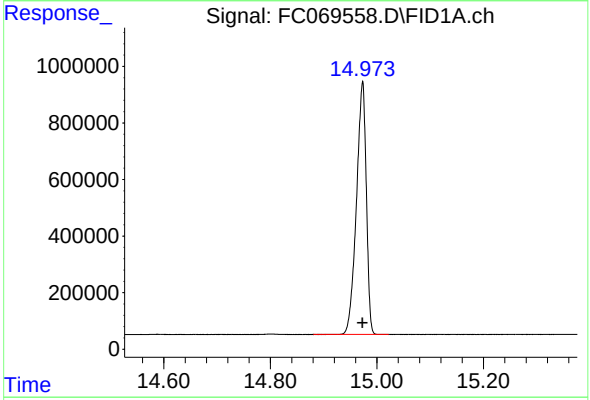
R.T.: 13.114 min
Delta R.T.: 0.000 min
Response: 10515548
Conc: 97.19 ug/ml



#13 n-Docosane (C22)

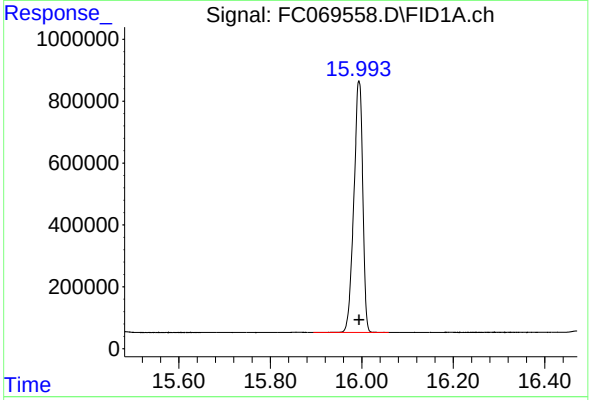
R.T.: 13.868 min
Delta R.T.: 0.000 min
Response: 11884209
Conc: 96.62 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



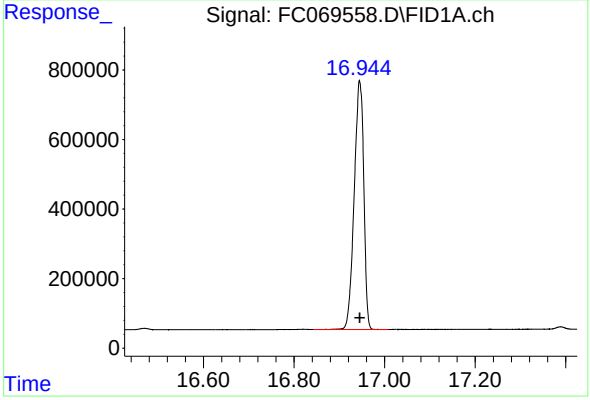
#14 n-Tetracosane (C24)

R.T.: 14.973 min
Delta R.T.: 0.000 min
Response: 11473067
Conc: 96.72 ug/ml



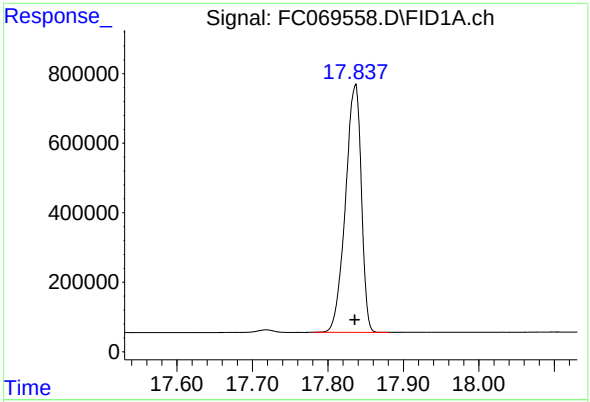
#15 n-Hexacosane (C26)

R.T.: 15.994 min
Delta R.T.: 0.000 min
Response: 10972164
Conc: 96.63 ug/ml



#16 n-Octacosane (C28)

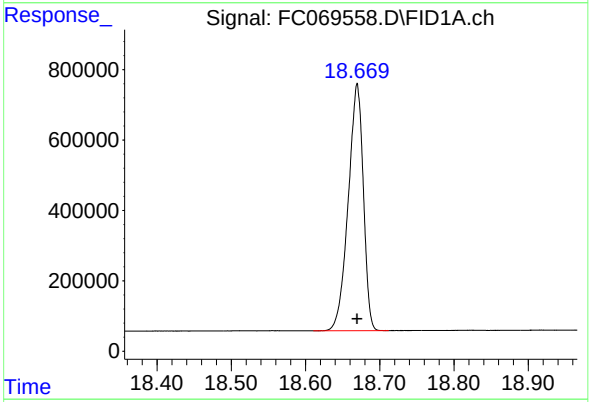
R.T.: 16.945 min
Delta R.T.: 0.000 min
Response: 10491091
Conc: 96.07 ug/ml



#17 n-Tricontane (C30)

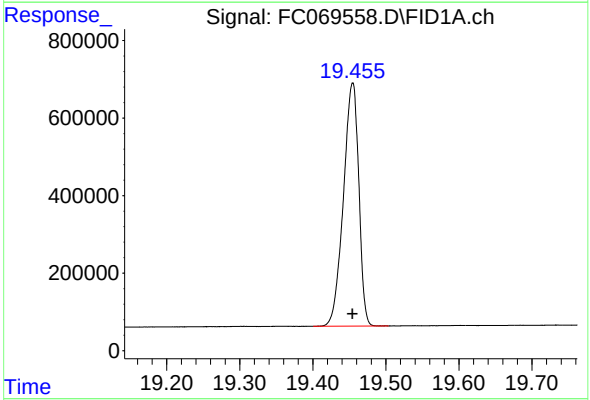
R.T.: 17.836 min
Delta R.T.: 0.000 min
Response: 10399552
Conc: 94.94 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



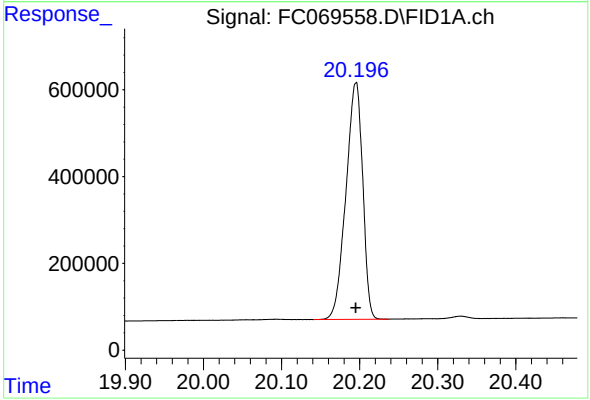
#18 n-Dotriacontane (C32)

R.T.: 18.669 min
Delta R.T.: 0.000 min
Response: 9912896
Conc: 94.03 ug/ml



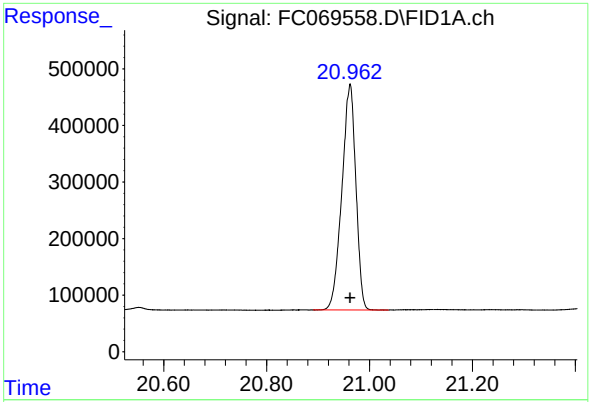
#19 n-Tetratriacontane (C34)

R.T.: 19.454 min
Delta R.T.: 0.000 min
Response: 9172293
Conc: 94.28 ug/ml



#20 n-Hexatriacontane (C36)

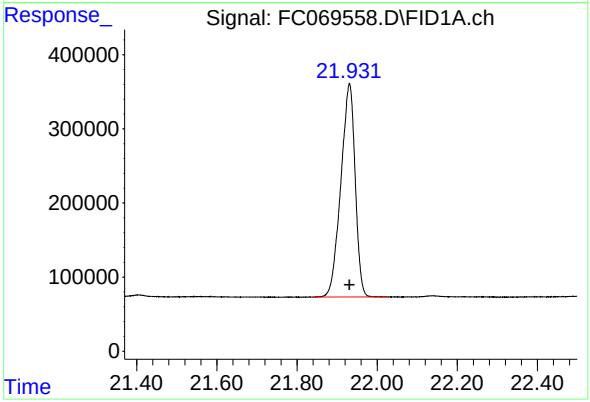
R.T.: 20.195 min
Delta R.T.: 0.000 min
Response: 8138973
Conc: 94.80 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.962 min
Delta R.T.: 0.000 min
Response: 7522009
Conc: 95.51 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.931 min
Delta R.T.: 0.000 min
Response: 7136968
Conc: 95.90 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069558.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 11:01
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.407	3.370	3.467	BB	1587444	13774723	91.83%	5.311%
2	4.480	4.435	4.535	BB	1491680	14093050	93.95%	5.434%
3	6.077	6.037	6.107	BV	1521287	15000524	100.00%	5.784%
4	6.506	6.445	6.554	BB	1414300	14200875	94.67%	5.475%
5	7.138	7.087	7.245	BB	1309498	14366902	95.78%	5.539%
6	8.306	8.244	8.374	BB	1270779	13912392	92.75%	5.364%
7	9.911	9.865	9.979	BB	1227725	13931135	92.87%	5.371%
8	11.358	11.310	11.417	BB	1144490	13539702	90.26%	5.220%
9	11.682	11.610	11.744	BB	1181092	14253274	95.02%	5.495%
10	12.667	12.599	12.714	BB	1005716	12534426	83.56%	4.833%
11	13.114	13.032	13.165	BB	847551	10515548	70.10%	4.054%
12	13.281	13.182	13.332	BB	980354	12140156	80.93%	4.681%
13	13.868	13.774	13.909	BB	952859	11884209	79.23%	4.582%
14	14.973	14.880	15.022	BB	889036	11473067	76.48%	4.424%
15	15.994	15.894	16.059	BB	812438	10972164	73.15%	4.230%
16	16.945	16.842	17.009	BB	711087	10491091	69.94%	4.045%
17	17.836	17.780	17.880	BB	708633	10399552	69.33%	4.010%
18	18.669	18.610	18.712	BB	700961	9912896	66.08%	3.822%
19	19.454	19.400	19.504	BB	626705	9172293	61.15%	3.536%
20	20.195	20.140	20.237	BV	545514	8138973	54.26%	3.138%
21	20.962	20.890	21.037	BV	399679	7522009	50.14%	2.900%
22	21.931	21.840	22.029	BB	288157	7136968	47.58%	2.752%

Sum of corrected areas: 259365928

Aliphatic EPH 080125.M Fri Aug 01 15:08:06 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069559.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 11:43
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Aug 01 13:17:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:14:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.674	6835847	47.562 ug/ml
Spiked Amount	50.000		Recovery =	95.12%
12) S	1-chlorooctadecane (S...	13.109	5030704	47.608 ug/ml
Spiked Amount	50.000		Recovery =	95.22%
	Target Compounds			
1) T	n-Nonane (C9)	3.402	6460632	46.892 ug/ml
2) T	n-Decane (C10)	4.476	6602241	46.773 ug/ml
3) T	A~Naphthalene (C11.7)	6.072	7117131	47.198 ug/ml
4) T	n-Dodecane (C12)	6.501	6628143	46.678 ug/ml
5) T	A~2-methylnaphthalene...	7.132	6792629	47.225 ug/ml
6) T	n-Tetradecane (C14)	8.301	6486829	46.680 ug/ml
7) T	n-Hexadecane (C16)	9.906	6527978	46.744 ug/ml
8) T	n-Octadecane (C18)	11.351	6407218	47.047 ug/ml
10) T	n-Eicosane (C20)	12.662	5985413	47.333 ug/ml
11) T	n-Heneicosane (C21)	13.275	5808893	47.439 ug/ml
13) T	n-Docosane (C22)	13.862	5705652	47.532 ug/ml
14) T	n-Tetracosane (C24)	14.967	5527058	47.677 ug/ml
15) T	n-Hexacosane (C26)	15.990	5299336	47.731 ug/ml
16) T	n-Octacosane (C28)	16.941	5093903	47.715 ug/ml
17) T	n-Tricontane (C30)	17.830	5089600	47.587 ug/ml
18) T	n-Dotriacontane (C32)	18.663	4885889	47.502 ug/ml
19) T	n-Tetratriacontane (C34)	19.449	4493512	47.393 ug/ml
20) T	n-Hexatriacontane (C36)	20.189	3952844	47.291 ug/ml
21) T	n-Octatriacontane (C38)	20.953	3637053	47.386 ug/ml
22) T	n-Tetracontane (C40)	21.922	3462128	47.625 ug/ml

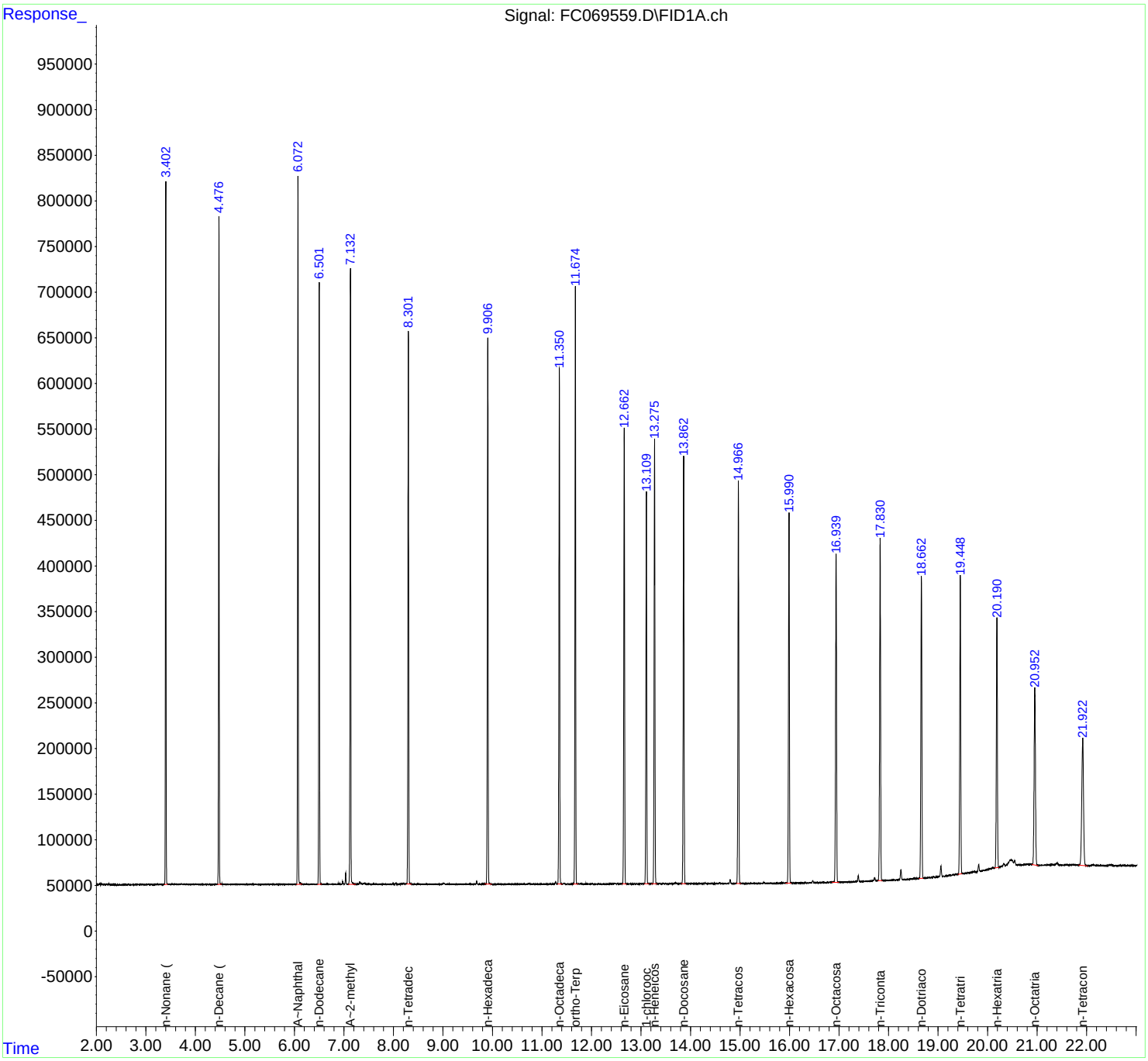
(f)=RT Delta > 1/2 Window (m)=manual int.

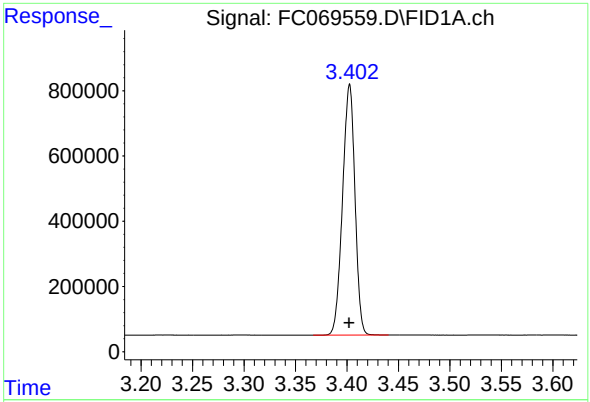
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069559.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 11:43
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Aug 01 13:17:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:14:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

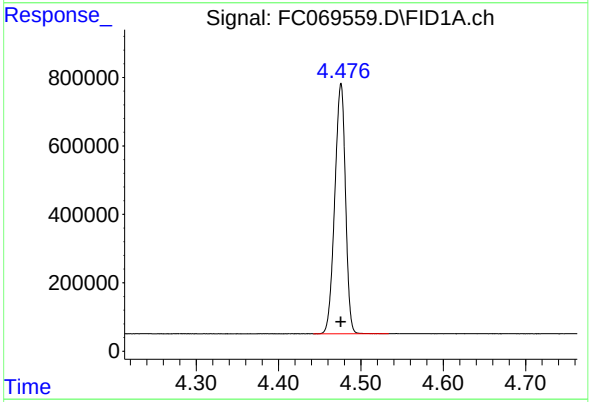




#1 n-Nonane (C9)

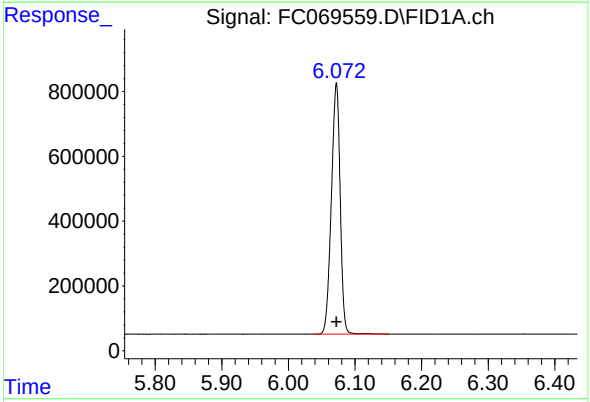
R.T.: 3.402 min
Delta R.T.: 0.000 min
Response: 6460632
Conc: 46.89 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



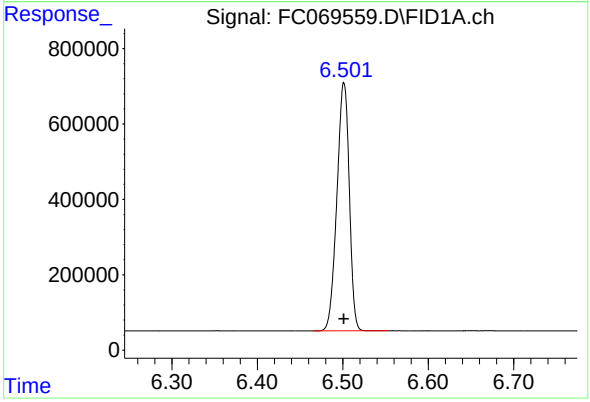
#2 n-Decane (C10)

R.T.: 4.476 min
Delta R.T.: 0.000 min
Response: 6602241
Conc: 46.77 ug/ml



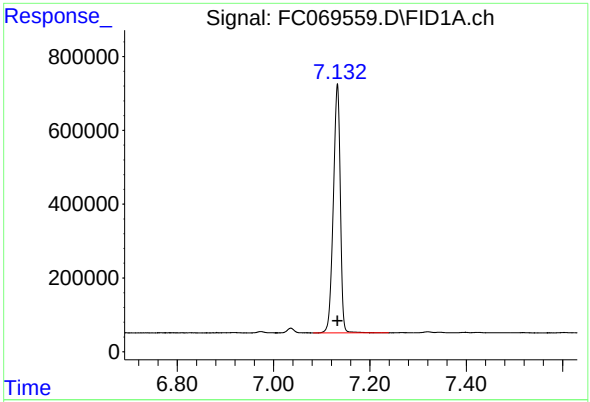
#3 A~Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 7117131
Conc: 47.20 ug/ml



#4 n-Dodecane (C12)

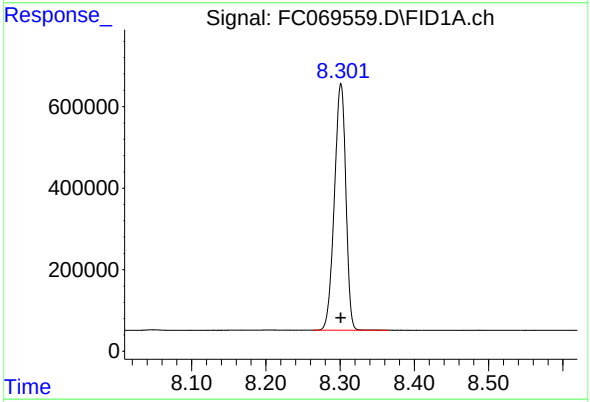
R.T.: 6.501 min
Delta R.T.: 0.000 min
Response: 6628143
Conc: 46.68 ug/ml



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

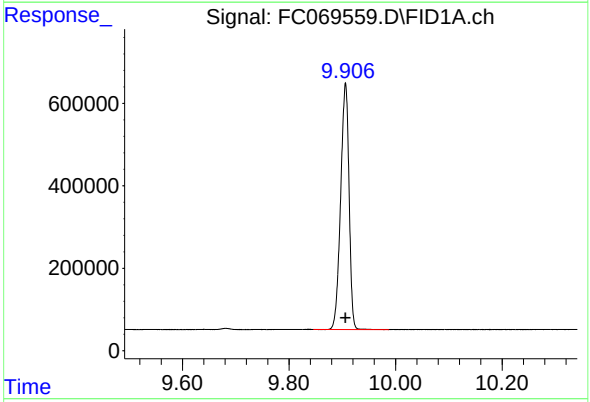
R.T.: 7.132 min
Delta R.T.: 0.000 min
Response: 6792629
Conc: 47.22 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



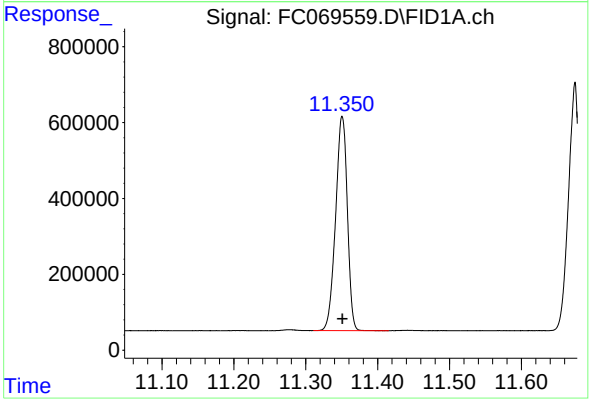
#6 n-Tetradecane (C14)

R.T.: 8.301 min
Delta R.T.: 0.000 min
Response: 6486829
Conc: 46.68 ug/ml



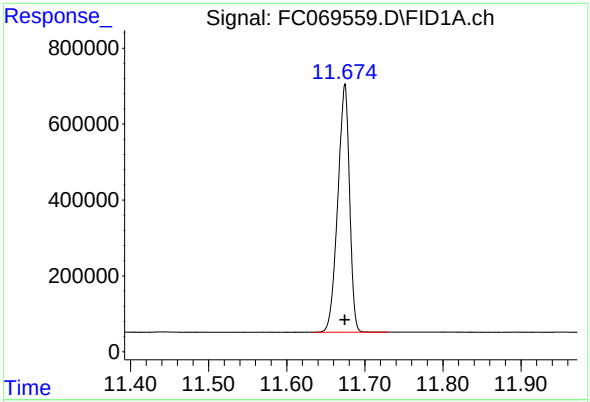
#7 n-Hexadecane (C16)

R.T.: 9.906 min
Delta R.T.: 0.000 min
Response: 6527978
Conc: 46.74 ug/ml



#8 n-Octadecane (C18)

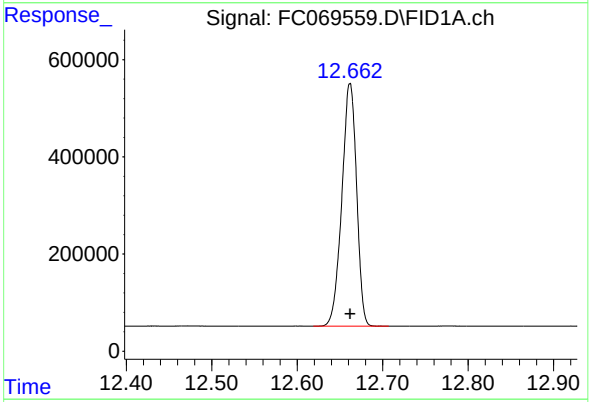
R.T.: 11.351 min
Delta R.T.: 0.000 min
Response: 6407218
Conc: 47.05 ug/ml



#9 ortho-Terphenyl (SURR)

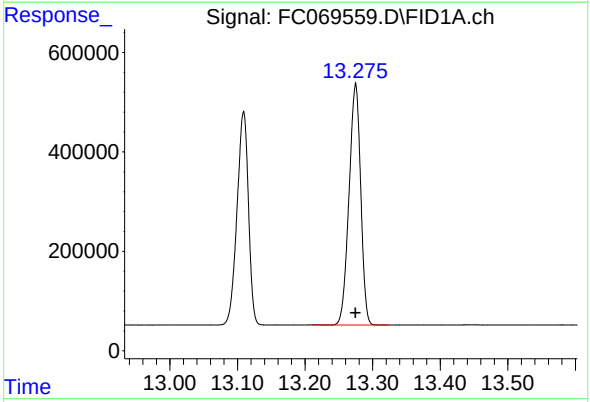
R.T.: 11.674 min
Delta R.T.: 0.000 min
Response: 6835847
Conc: 47.56 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



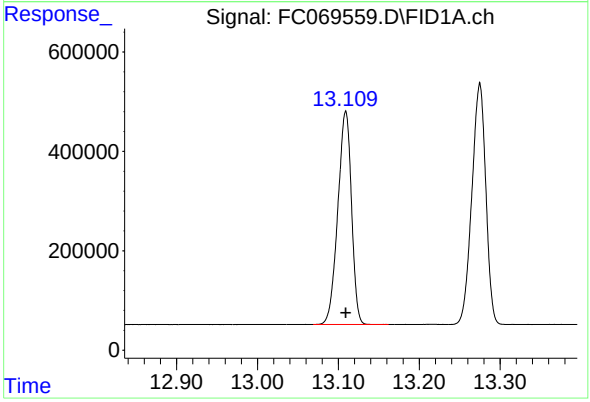
#10 n-Eicosane (C20)

R.T.: 12.662 min
Delta R.T.: 0.000 min
Response: 5985413
Conc: 47.33 ug/ml



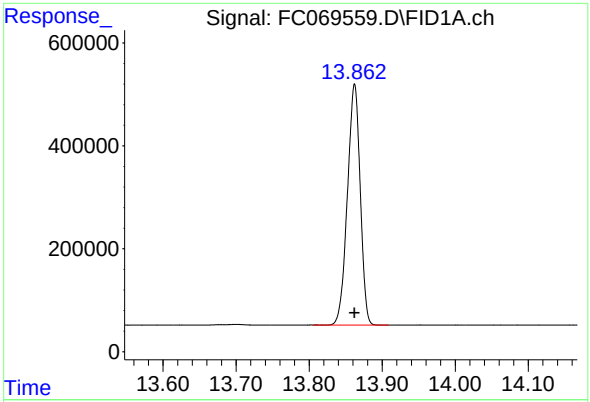
#11 n-Heneicosane (C21)

R.T.: 13.275 min
Delta R.T.: 0.000 min
Response: 5808893
Conc: 47.44 ug/ml



#12 1-chlorooctadecane (SURR)

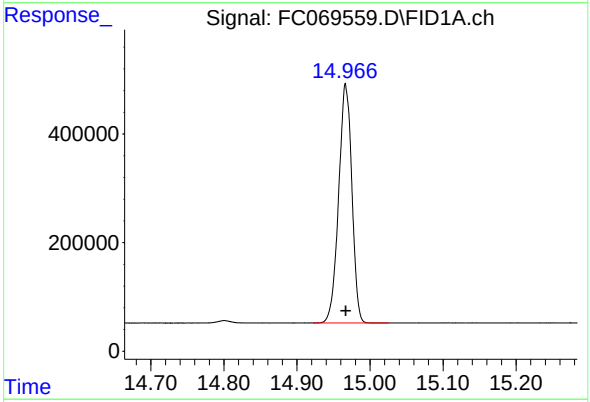
R.T.: 13.109 min
Delta R.T.: 0.000 min
Response: 5030704
Conc: 47.61 ug/ml



#13 n-Docosane (C22)

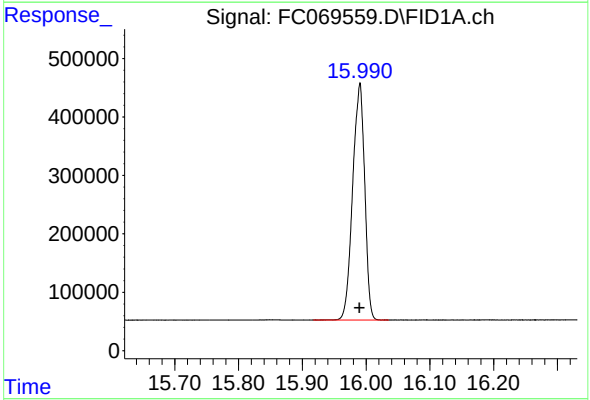
R.T.: 13.862 min
Delta R.T.: 0.000 min
Response: 5705652
Conc: 47.53 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



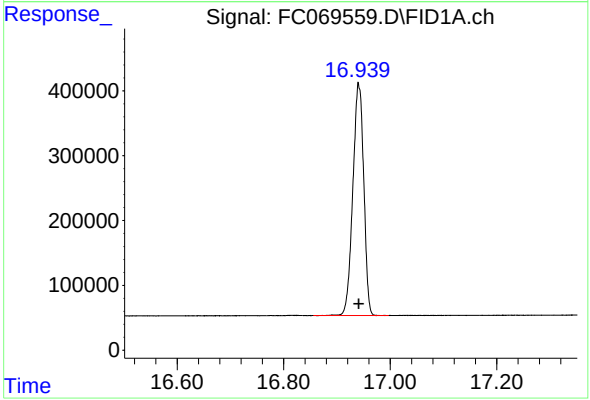
#14 n-Tetracosane (C24)

R.T.: 14.967 min
Delta R.T.: 0.000 min
Response: 5527058
Conc: 47.68 ug/ml



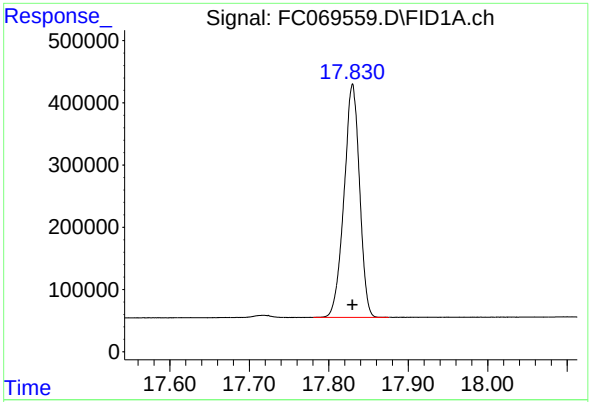
#15 n-Hexacosane (C26)

R.T.: 15.990 min
Delta R.T.: 0.000 min
Response: 5299336
Conc: 47.73 ug/ml



#16 n-Octacosane (C28)

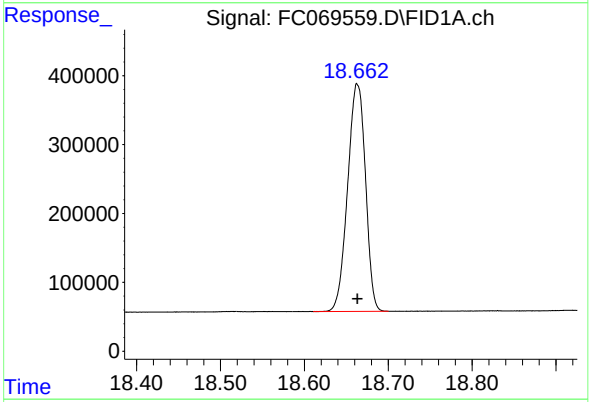
R.T.: 16.941 min
Delta R.T.: 0.000 min
Response: 5093903
Conc: 47.71 ug/ml



#17 n-Tricontane (C30)

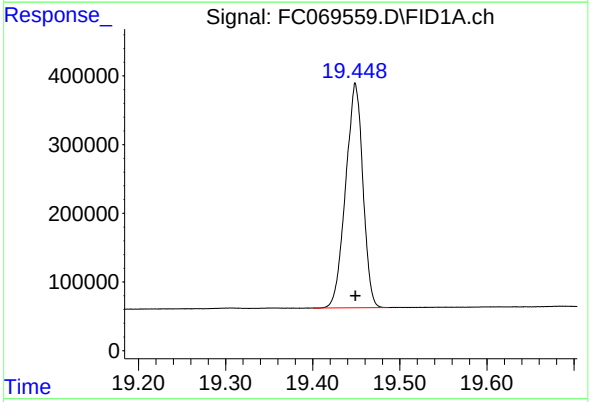
R.T.: 17.830 min
Delta R.T.: 0.000 min
Response: 5089600
Conc: 47.59 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



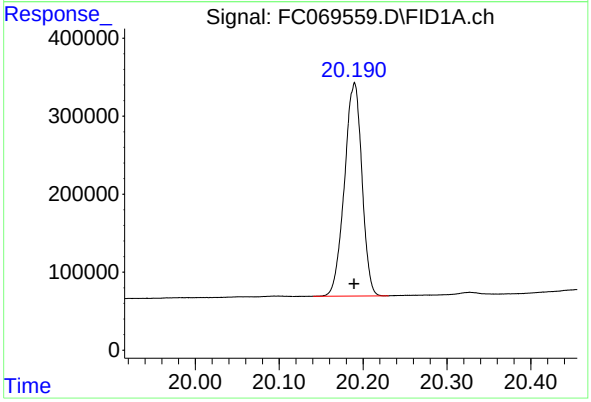
#18 n-Dotriacontane (C32)

R.T.: 18.663 min
Delta R.T.: 0.000 min
Response: 4885889
Conc: 47.50 ug/ml



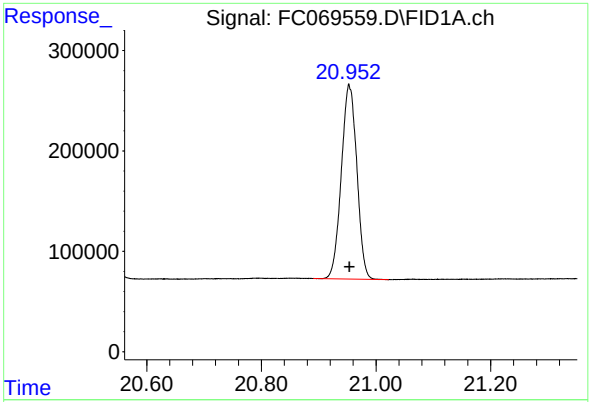
#19 n-Tetratriacontane (C34)

R.T.: 19.449 min
Delta R.T.: 0.000 min
Response: 4493512
Conc: 47.39 ug/ml



#20 n-Hexatriacontane (C36)

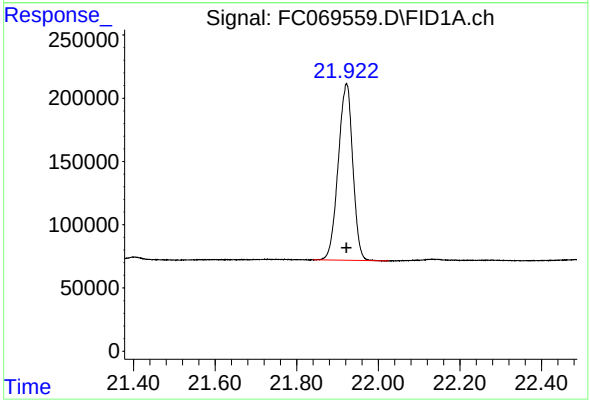
R.T.: 20.189 min
Delta R.T.: 0.000 min
Response: 3952844
Conc: 47.29 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.953 min
Delta R.T.: 0.000 min
Response: 3637053
Conc: 47.39 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.922 min
Delta R.T.: 0.000 min
Response: 3462128
Conc: 47.63 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069559.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 11:43
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.402	3.367	3.440	BB	767884	6460632	90.78%	5.217%
2	4.476	4.442	4.534	BB	730907	6602241	92.77%	5.332%
3	6.072	6.037	6.150	BB	777576	7117131	100.00%	5.747%
4	6.501	6.465	6.554	BB	659056	6628143	93.13%	5.353%
5	7.132	7.082	7.239	BB	674204	6792629	95.44%	5.485%
6	8.301	8.264	8.365	BB	604554	6486829	91.14%	5.238%
7	9.906	9.845	9.987	BB	596945	6527978	91.72%	5.272%
8	11.351	11.310	11.415	BB	565203	6407218	90.03%	5.174%
9	11.674	11.634	11.730	BB	651686	6835847	96.05%	5.520%
10	12.662	12.619	12.707	BB	499653	5985413	84.10%	4.834%
11	13.109	13.069	13.162	BB	428770	5030704	70.68%	4.063%
12	13.275	13.212	13.324	BB	487675	5808893	81.62%	4.691%
13	13.862	13.805	13.909	BB	469221	5705652	80.17%	4.608%
14	14.967	14.922	15.025	BB	435680	5527058	77.66%	4.463%
15	15.990	15.917	16.035	BB	406930	5299336	74.46%	4.280%
16	16.941	16.855	16.997	BB	357249	5093903	71.57%	4.114%
17	17.830	17.780	17.875	BB	375927	5089600	71.51%	4.110%
18	18.663	18.610	18.700	BB	328772	4885889	68.65%	3.946%
19	19.449	19.400	19.487	BB	326962	4493512	63.14%	3.629%
20	20.189	20.140	20.230	BV	271528	3952844	55.54%	3.192%
21	20.953	20.890	21.022	BB	192089	3637053	51.10%	2.937%
22	21.922	21.840	22.025	BB	139624	3462128	48.64%	2.796%

Sum of corrected areas: 123830632

Aliphatic EPH 080125.M Fri Aug 01 15:08:48 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069560.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 12:24
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Aug 01 13:14:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:14:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.671	3038421	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12)	S 1-chlorooctadecane (S...	13.106	2224752	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1)	T n-Nonane (C9)	3.402	2927397	20.000 ug/ml
2)	T n-Decane (C10)	4.474	3009770	20.000 ug/ml
3)	T A~Naphthalene (C11.7)	6.070	3200665	20.000 ug/ml
4)	T n-Dodecane (C12)	6.499	3028365	20.000 ug/ml
5)	T A~2-methylnaphthalene...	7.130	3039698	20.000 ug/ml
6)	T n-Tetradecane (C14)	8.299	2960582	20.000 ug/ml
7)	T n-Hexadecane (C16)	9.902	2981739	20.000 ug/ml
8)	T n-Octadecane (C18)	11.348	2900399	20.000 ug/ml
10)	T n-Eicosane (C20)	12.659	2686211	20.000 ug/ml
11)	T n-Heneicosane (C21)	13.273	2595361	20.000 ug/ml
13)	T n-Docosane (C22)	13.860	2543151	20.000 ug/ml
14)	T n-Tetracosane (C24)	14.964	2450175	20.000 ug/ml
15)	T n-Hexacosane (C26)	15.986	2347283	20.000 ug/ml
16)	T n-Octacosane (C28)	16.938	2269696	20.000 ug/ml
17)	T n-Tricontane (C30)	17.827	2301407	20.000 ug/ml
18)	T n-Dotriacontane (C32)	18.660	2234449	20.000 ug/ml
19)	T n-Tetratriacontane (C34)	19.446	2056944	20.000 ug/ml
20)	T n-Hexatriacontane (C36)	20.186	1806195	20.000 ug/ml
21)	T n-Octatriacontane (C38)	20.952	1645997	20.000 ug/ml
22)	T n-Tetracontane (C40)	21.918	1549473	20.000 ug/ml

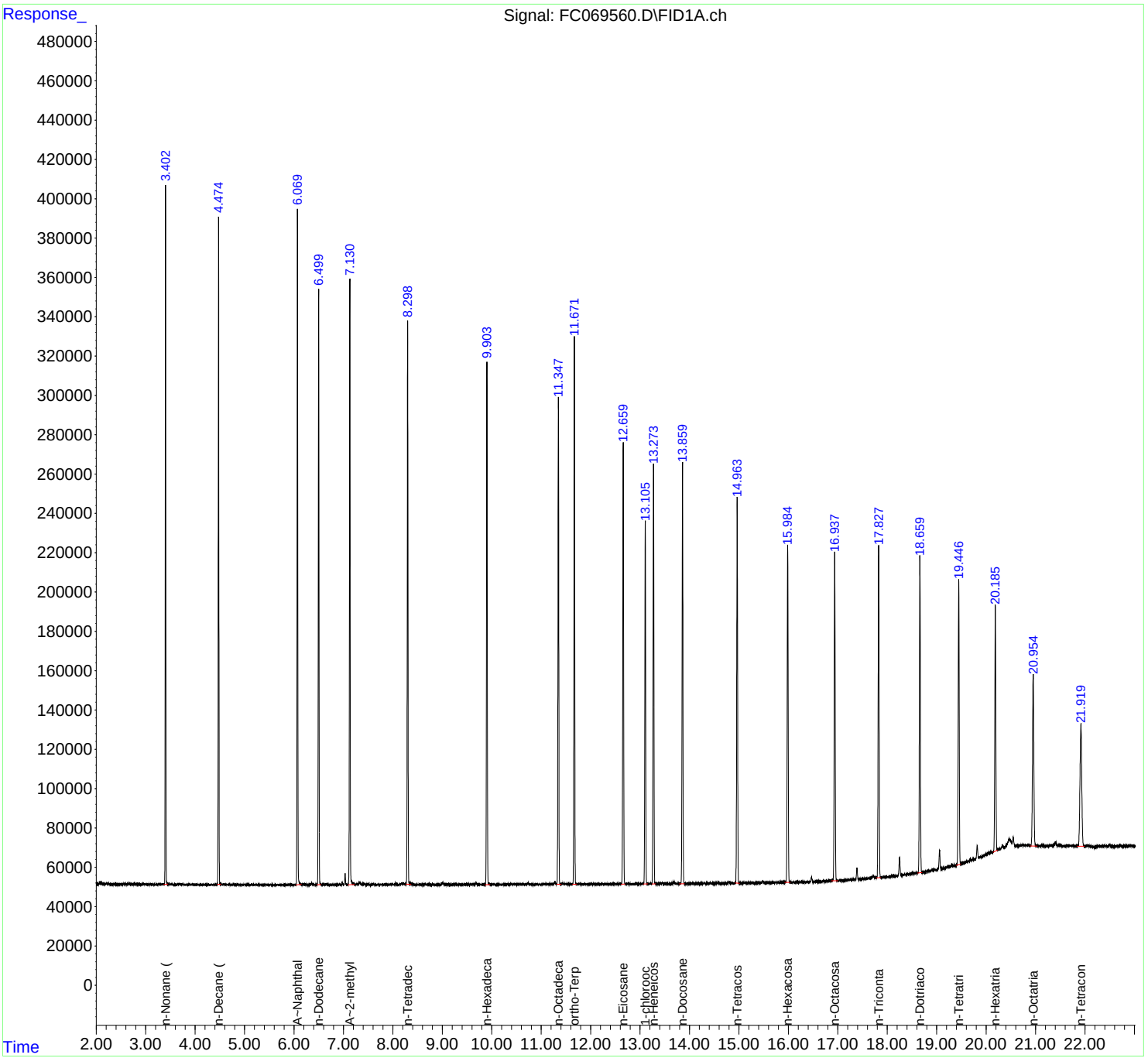
(f)=RT Delta > 1/2 Window (m)=manual int.

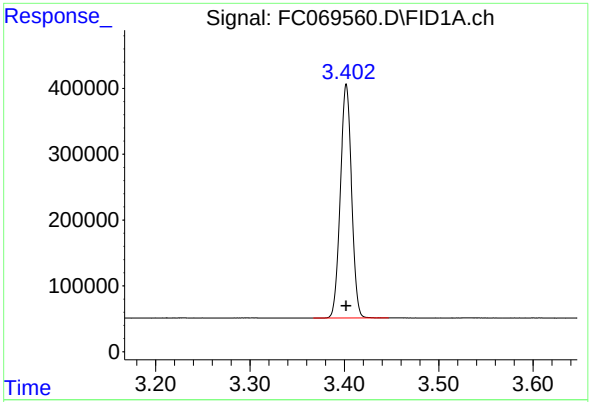
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069560.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 12:24
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Aug 01 13:14:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:14:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

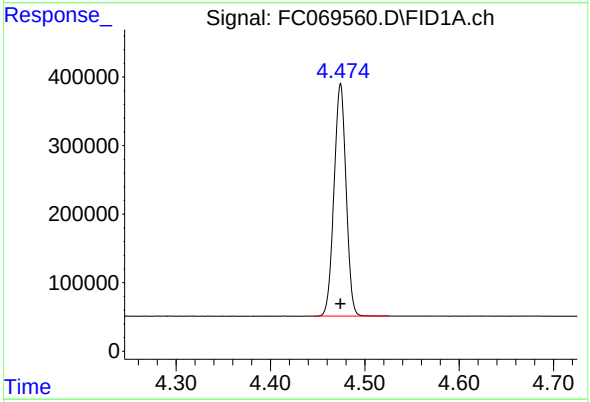




#1 n-Nonane (C9)

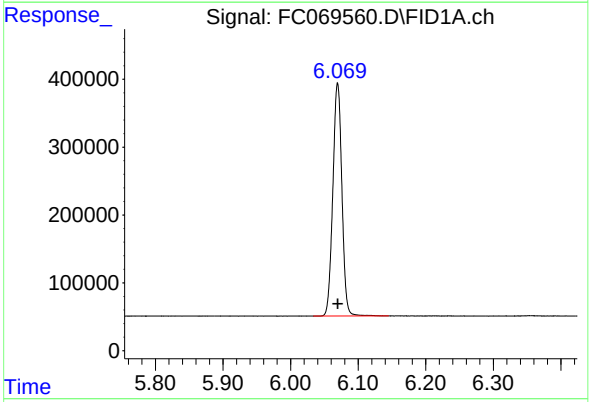
R.T.: 3.402 min
Delta R.T.: 0.000 min
Response: 2927397
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



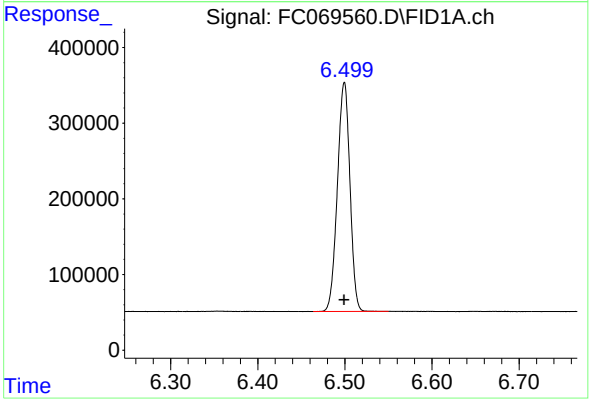
#2 n-Decane (C10)

R.T.: 4.474 min
Delta R.T.: 0.000 min
Response: 3009770
Conc: 20.00 ug/ml



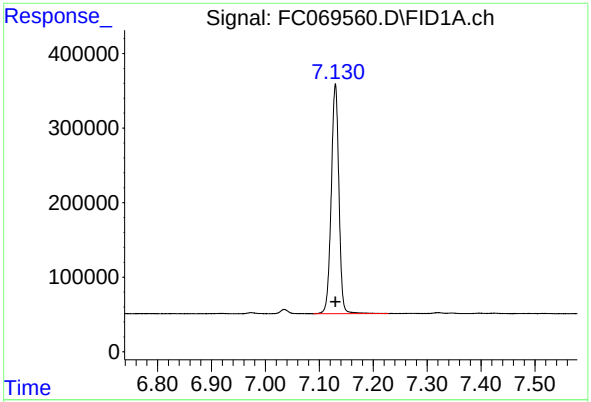
#3 A~Naphthalene (C11.7)

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 3200665
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

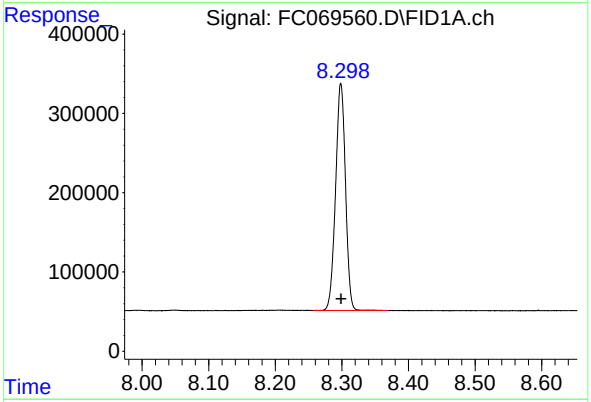
R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 3028365
Conc: 20.00 ug/ml



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

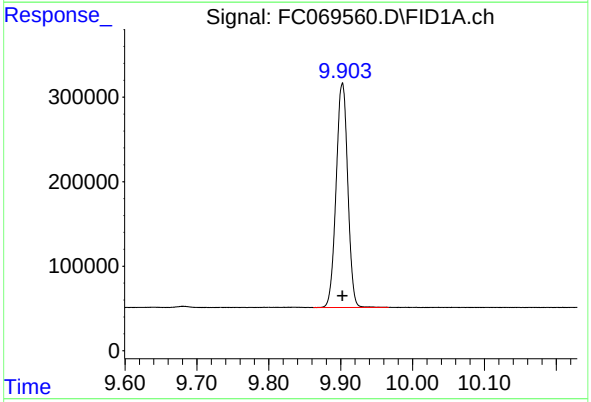
R.T.: 7.130 min
Delta R.T.: 0.000 min
Response: 3039698
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



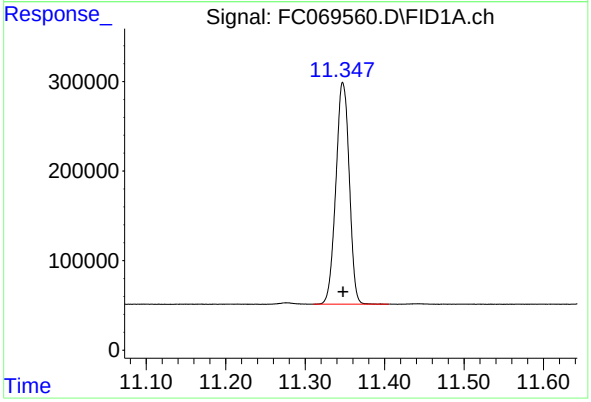
#6 n-Tetradecane (C14)

R.T.: 8.299 min
Delta R.T.: 0.000 min
Response: 2960582
Conc: 20.00 ug/ml



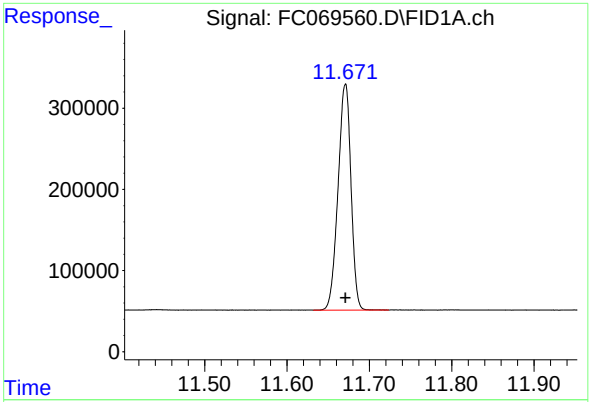
#7 n-Hexadecane (C16)

R.T.: 9.902 min
Delta R.T.: 0.000 min
Response: 2981739
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

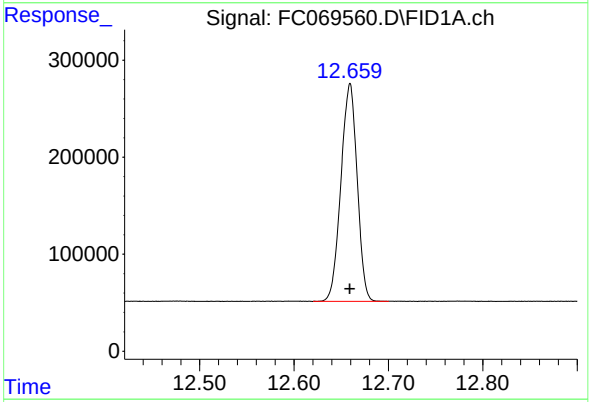
R.T.: 11.348 min
Delta R.T.: 0.000 min
Response: 2900399
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

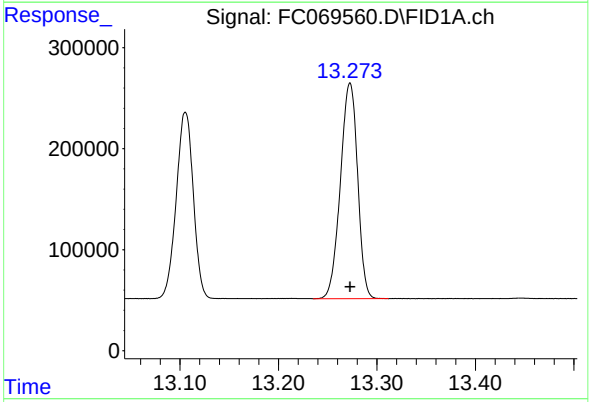
R.T.: 11.671 min
Delta R.T.: 0.000 min
Response: 3038421
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



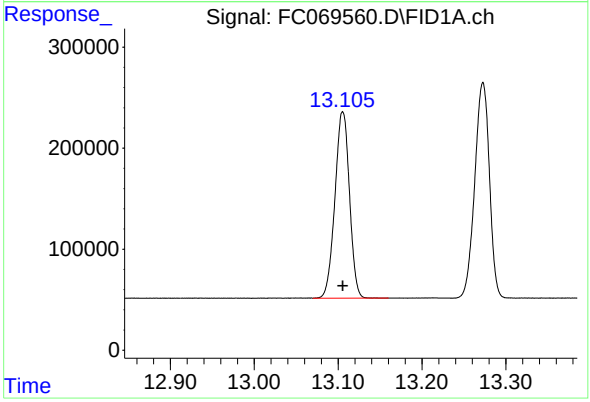
#10 n-Eicosane (C20)

R.T.: 12.659 min
Delta R.T.: 0.000 min
Response: 2686211
Conc: 20.00 ug/ml



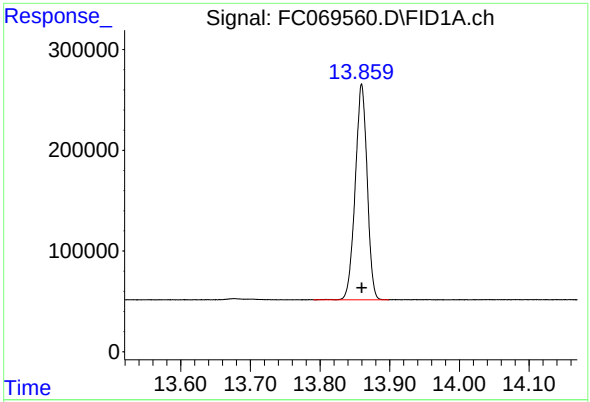
#11 n-Heneicosane (C21)

R.T.: 13.273 min
Delta R.T.: 0.000 min
Response: 2595361
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

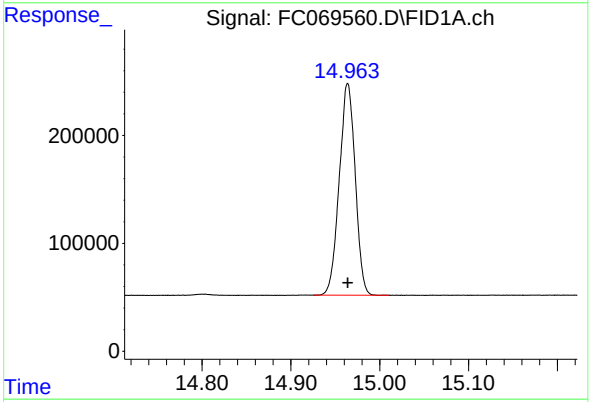
R.T.: 13.106 min
Delta R.T.: 0.000 min
Response: 2224752
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

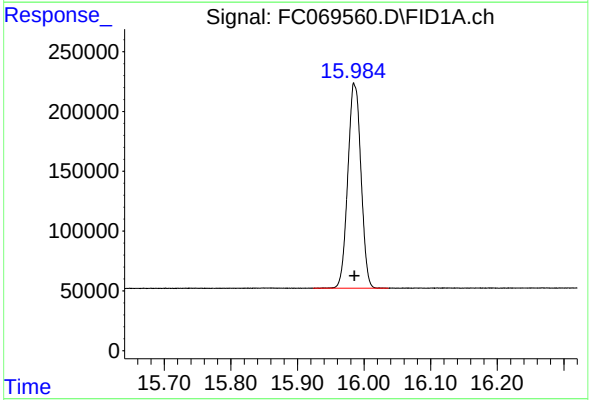
R.T.: 13.860 min
Delta R.T.: 0.000 min
Response: 2543151
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



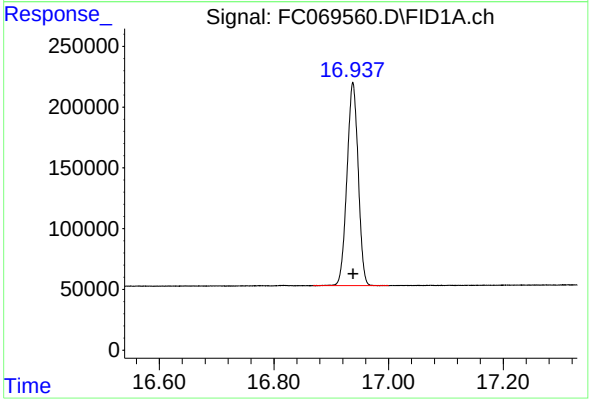
#14 n-Tetracosane (C24)

R.T.: 14.964 min
Delta R.T.: 0.000 min
Response: 2450175
Conc: 20.00 ug/ml



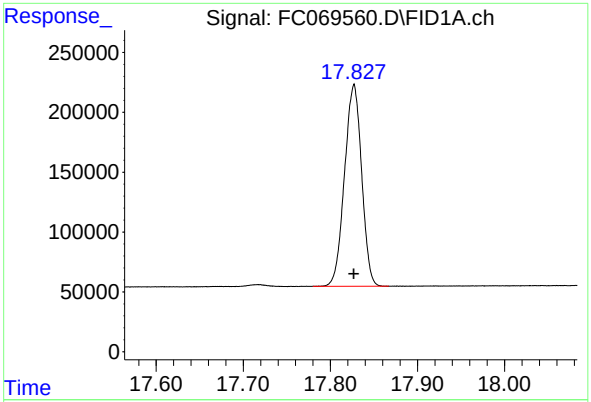
#15 n-Hexacosane (C26)

R.T.: 15.986 min
Delta R.T.: 0.000 min
Response: 2347283
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

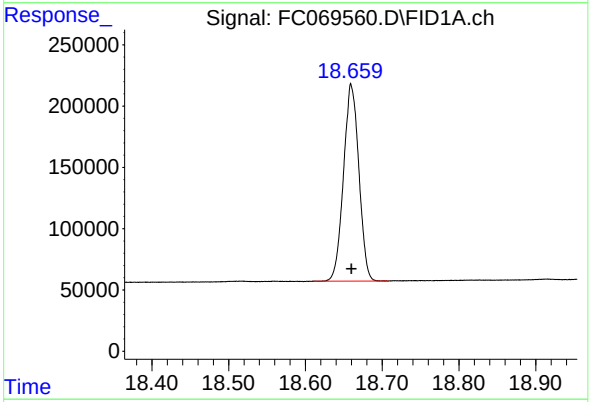
R.T.: 16.938 min
Delta R.T.: 0.000 min
Response: 2269696
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

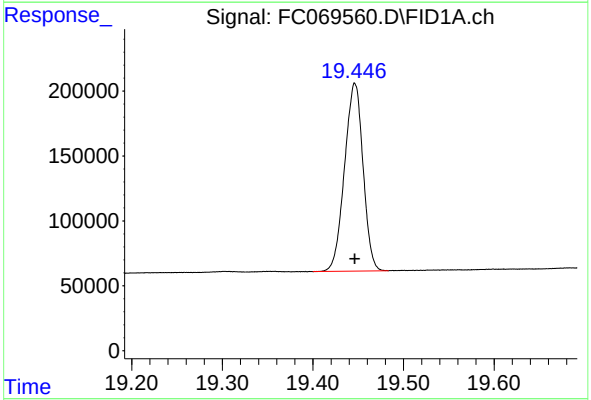
R.T.: 17.827 min
Delta R.T.: 0.000 min
Response: 2301407
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



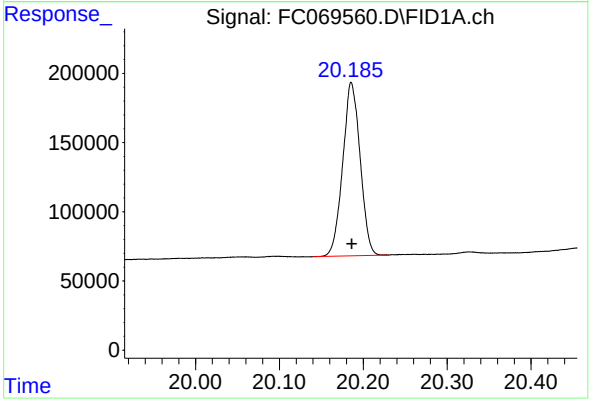
#18 n-Dotriacontane (C32)

R.T.: 18.660 min
Delta R.T.: 0.000 min
Response: 2234449
Conc: 20.00 ug/ml



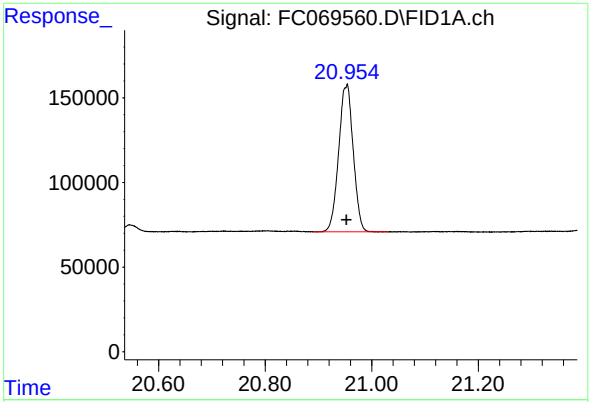
#19 n-Tetratriacontane (C34)

R.T.: 19.446 min
Delta R.T.: 0.000 min
Response: 2056944
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

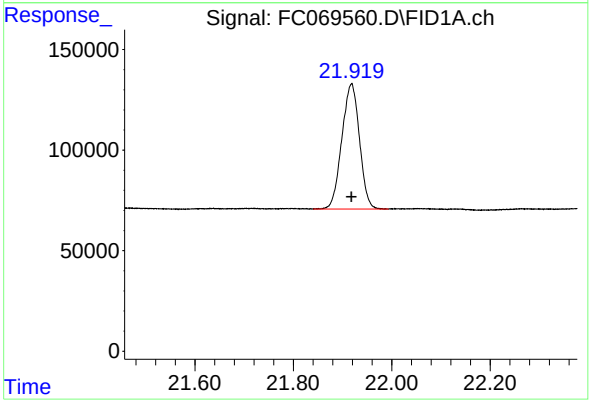
R.T.: 20.186 min
Delta R.T.: 0.000 min
Response: 1806195
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.952 min
Delta R.T.: 0.000 min
Response: 1645997
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.918 min
Delta R.T.: 0.000 min
Response: 1549473
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069560.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 12:24
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.402	3.367	3.447	BB	355162	2927397	91.46%	5.246%
2	4.474	4.445	4.525	BB	338269	3009770	94.04%	5.394%
3	6.070	6.033	6.145	BB	343195	3200665	100.00%	5.736%
4	6.499	6.463	6.550	BB	302438	3028365	94.62%	5.427%
5	7.130	7.088	7.228	BB	308518	3039698	94.97%	5.448%
6	8.299	8.257	8.370	BB	286366	2960582	92.50%	5.306%
7	9.902	9.862	9.967	BB	264774	2981739	93.16%	5.344%
8	11.348	11.310	11.405	BB	246104	2900399	90.62%	5.198%
9	11.671	11.632	11.723	BB	277969	3038421	94.93%	5.445%
10	12.659	12.620	12.700	BB	224081	2686211	83.93%	4.814%
11	13.106	13.070	13.160	BB	184547	2224752	69.51%	3.987%
12	13.273	13.235	13.312	BB	213340	2595361	81.09%	4.651%
13	13.860	13.790	13.898	BB	214096	2543151	79.46%	4.558%
14	14.964	14.925	15.010	BB	196220	2450175	76.55%	4.391%
15	15.986	15.923	16.037	BB	170402	2347283	73.34%	4.207%
16	16.938	16.868	17.000	BB	167286	2269696	70.91%	4.068%
17	17.827	17.780	17.867	BB	168435	2301407	71.90%	4.125%
18	18.660	18.610	18.708	BB	158841	2234449	69.81%	4.005%
19	19.446	19.400	19.483	BB	144512	2056944	64.27%	3.686%
20	20.186	20.140	20.230	BV	124468	1806195	56.43%	3.237%
21	20.952	20.890	21.032	BB	85565	1645997	51.43%	2.950%
22	21.918	21.840	21.993	BB	62374	1549473	48.41%	2.777%

Sum of corrected areas: 55798128

Aliphatic EPH 080125.M Fri Aug 01 15:09:21 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069561.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 13:06
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Aug 01 13:29:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:29:13 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)	11.669	1534923	10.501 ug/ml
Spiked Amount	50.000		Recovery =	21.00%
12) S	1-chlorooctadecane (S...	13.105	1117333	10.424 ug/ml
Spiked Amount	50.000		Recovery =	20.85%
	Target Compounds			
1) T	n-Nonane (C9)	3.400	1439879	10.334 ug/ml
2) T	n-Decane (C10)	4.473	1462951	10.271 ug/ml
3) T	A~Naphthalene (C11.7)	6.069	1569203	10.302 ug/ml
4) T	n-Dodecane (C12)	6.498	1467891	10.251 ug/ml
5) T	A~2-methylnaphthalene...	7.128	1485813	10.245 ug/ml
6) T	n-Tetradecane (C14)	8.297	1433466	10.235 ug/ml
7) T	n-Hexadecane (C16)	9.902	1464276	10.359 ug/ml
8) T	n-Octadecane (C18)	11.346	1447437	10.464 ug/ml
10) T	n-Eicosane (C20)	12.658	1356080	10.533 ug/ml
11) T	n-Heneicosane (C21)	13.271	1316459	10.553 ug/ml
13) T	n-Docosane (C22)	13.858	1289069	10.544 ug/ml
14) T	n-Tetracosane (C24)	14.963	1243261	10.534 ug/ml
15) T	n-Hexacosane (C26)	15.985	1187475	10.513 ug/ml
16) T	n-Octacosane (C28)	16.937	1148200	10.556 ug/ml
17) T	n-Tricontane (C30)	17.825	1169356	10.684 ug/ml
18) T	n-Dotriacontane (C32)	18.659	1129813	10.721 ug/ml
19) T	n-Tetratriacontane (C34)	19.444	1035291	10.674 ug/ml
20) T	n-Hexatriacontane (C36)	20.186	908236	10.636 ug/ml
21) T	n-Octatriacontane (C38)	20.951	799482	10.309 ug/ml
22) T	n-Tetracontane (C40)	21.915	749275	10.229 ug/ml

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

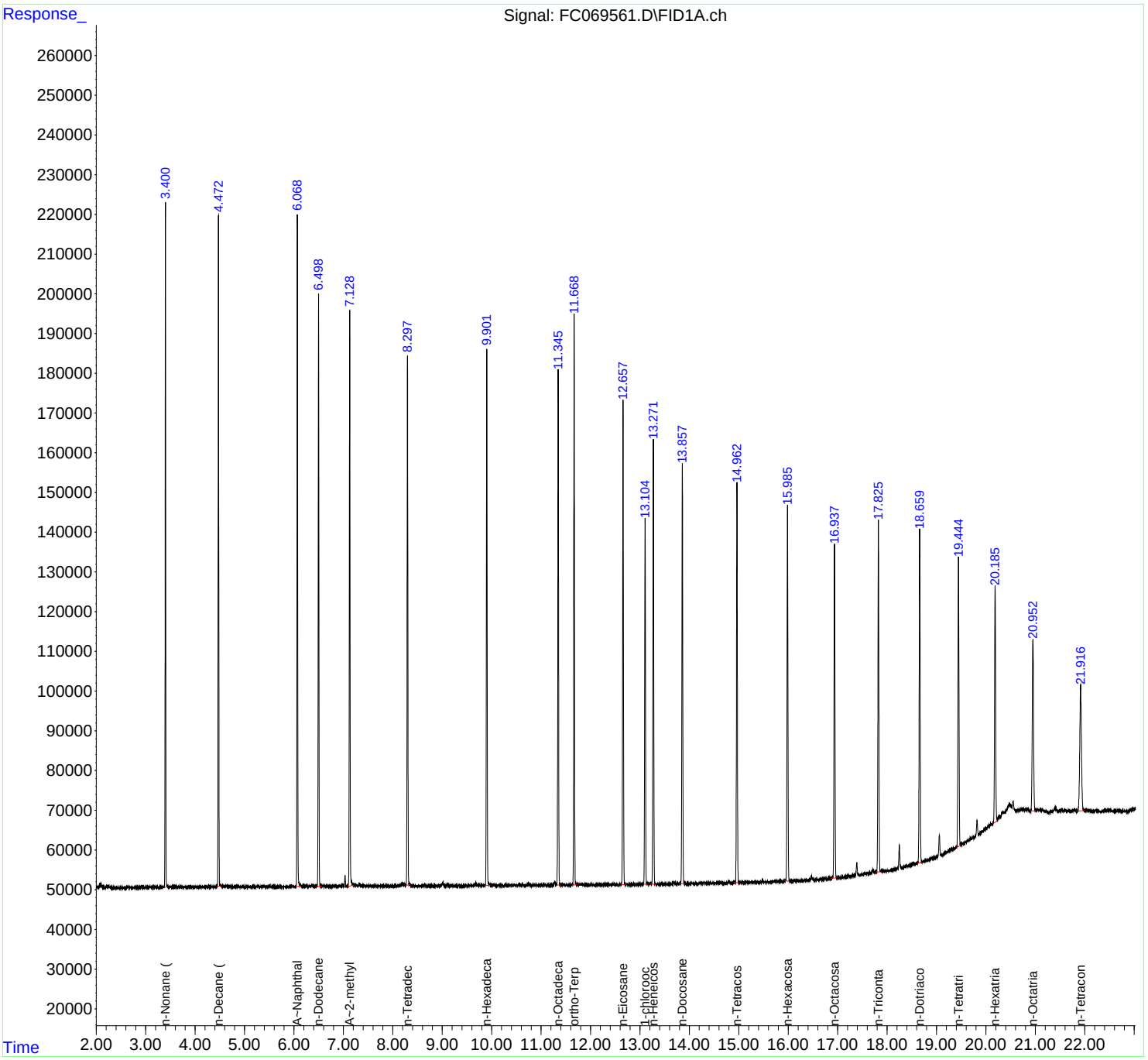
Quantitation Report (QT Reviewed)

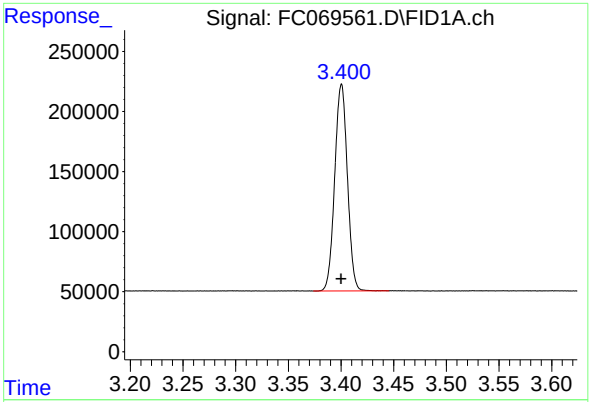
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069561.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 13:06
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Aug 01 13:29:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:29:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

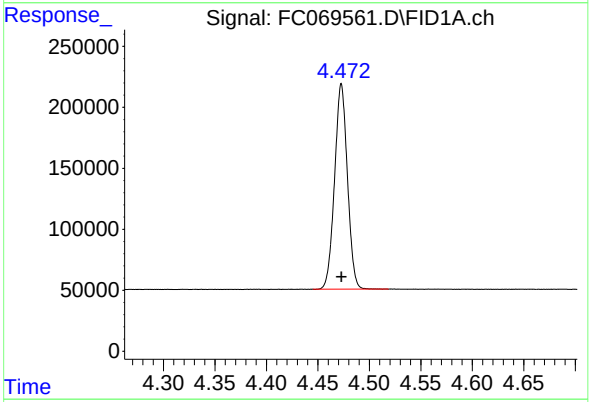




#1 n-Nonane (C9)

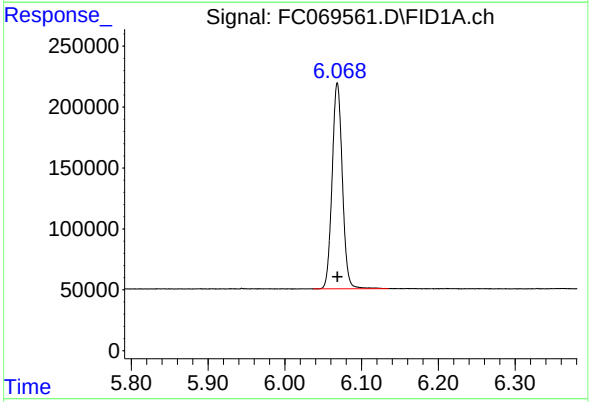
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 1439879
Conc: 10.33 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



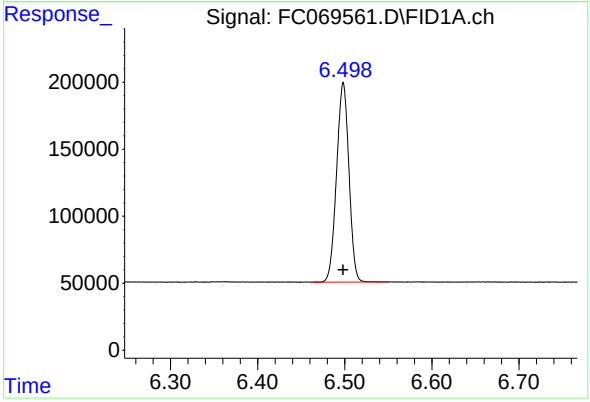
#2 n-Decane (C10)

R.T.: 4.473 min
Delta R.T.: 0.000 min
Response: 1462951
Conc: 10.27 ug/ml



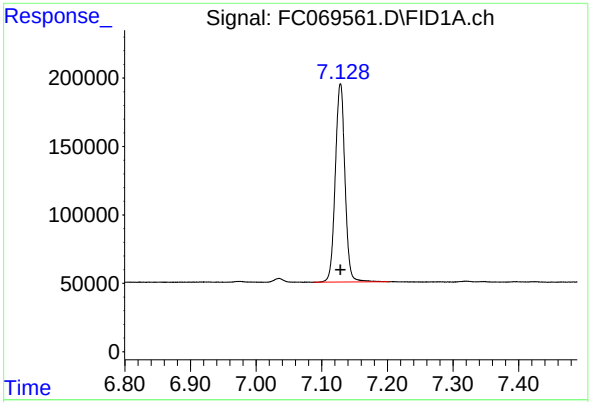
#3 A~Naphthalene (C11.7)

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 1569203
Conc: 10.30 ug/ml



#4 n-Dodecane (C12)

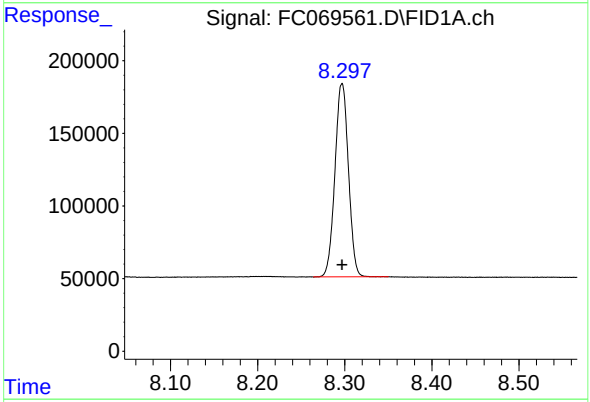
R.T.: 6.498 min
Delta R.T.: 0.000 min
Response: 1467891
Conc: 10.25 ug/ml



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

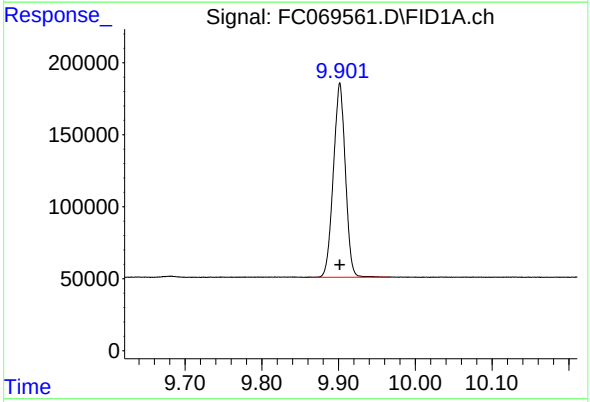
R.T.: 7.128 min
Delta R.T.: 0.000 min
Response: 1485813
Conc: 10.25 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



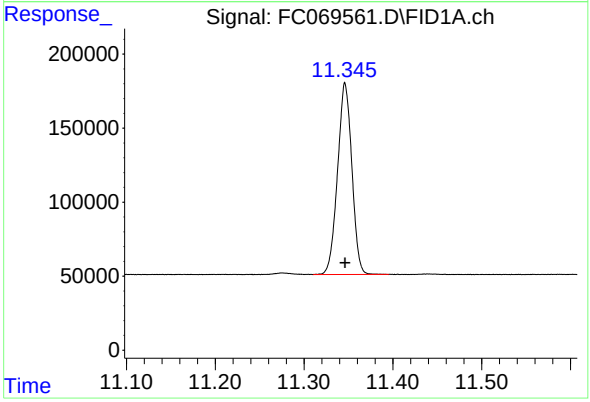
#6 n-Tetradecane (C14)

R.T.: 8.297 min
Delta R.T.: 0.000 min
Response: 1433466
Conc: 10.23 ug/ml



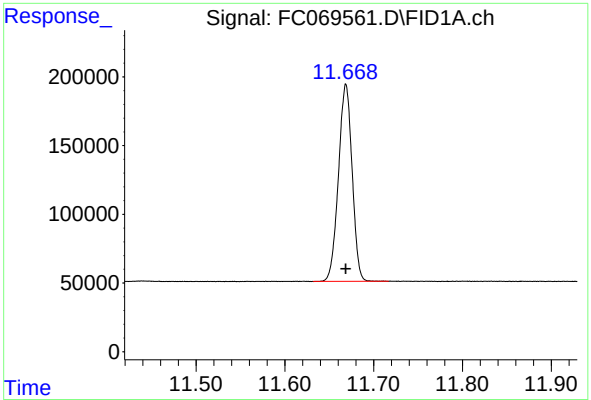
#7 n-Hexadecane (C16)

R.T.: 9.902 min
Delta R.T.: 0.000 min
Response: 1464276
Conc: 10.36 ug/ml



#8 n-Octadecane (C18)

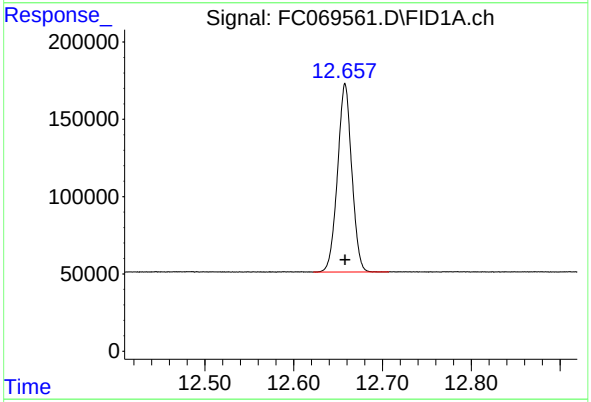
R.T.: 11.346 min
Delta R.T.: 0.000 min
Response: 1447437
Conc: 10.46 ug/ml



#9 ortho-Terphenyl (SURR)

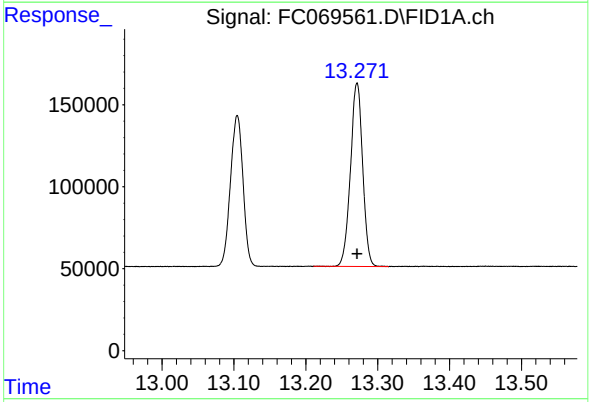
R.T.: 11.669 min
Delta R.T.: 0.000 min
Response: 1534923
Conc: 10.50 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



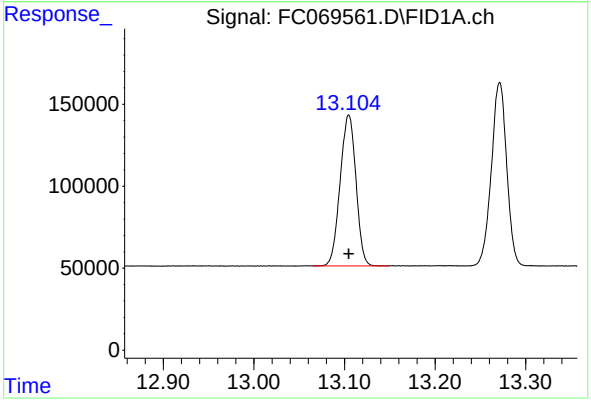
#10 n-Eicosane (C20)

R.T.: 12.658 min
Delta R.T.: 0.000 min
Response: 1356080
Conc: 10.53 ug/ml



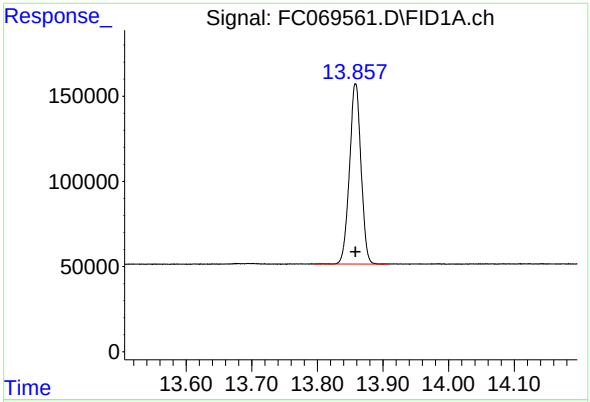
#11 n-Heneicosane (C21)

R.T.: 13.271 min
Delta R.T.: 0.000 min
Response: 1316459
Conc: 10.55 ug/ml



#12 1-chlorooctadecane (SURR)

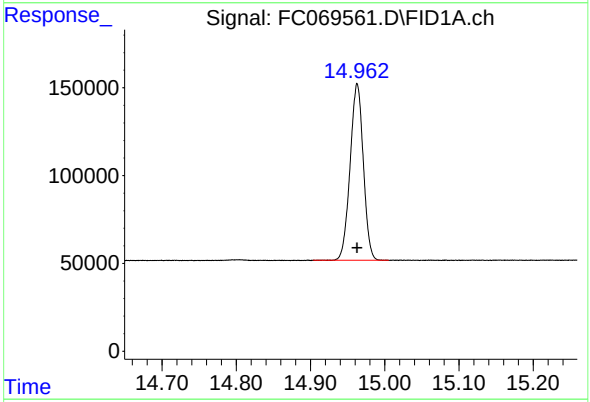
R.T.: 13.105 min
Delta R.T.: 0.000 min
Response: 1117333
Conc: 10.42 ug/ml



#13 n-Docosane (C22)

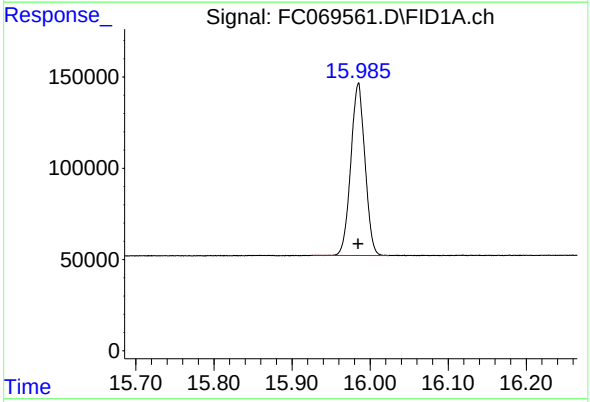
R.T.: 13.858 min
Delta R.T.: 0.000 min
Response: 1289069
Conc: 10.54 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



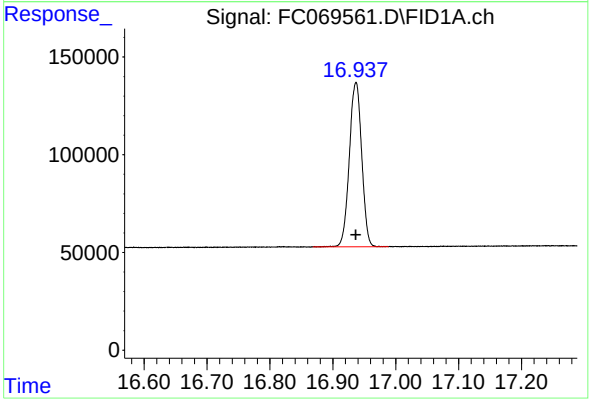
#14 n-Tetracosane (C24)

R.T.: 14.963 min
Delta R.T.: 0.000 min
Response: 1243261
Conc: 10.53 ug/ml



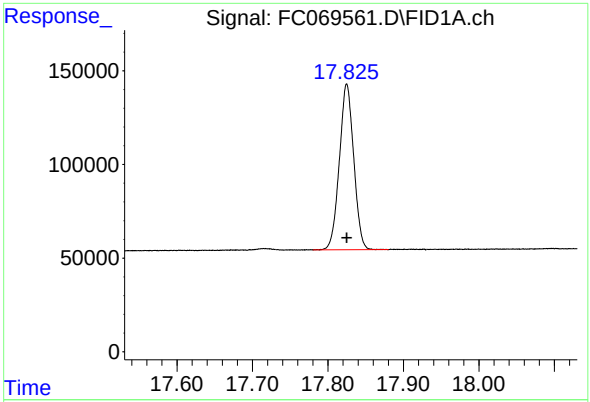
#15 n-Hexacosane (C26)

R.T.: 15.985 min
Delta R.T.: 0.000 min
Response: 1187475
Conc: 10.51 ug/ml



#16 n-Octacosane (C28)

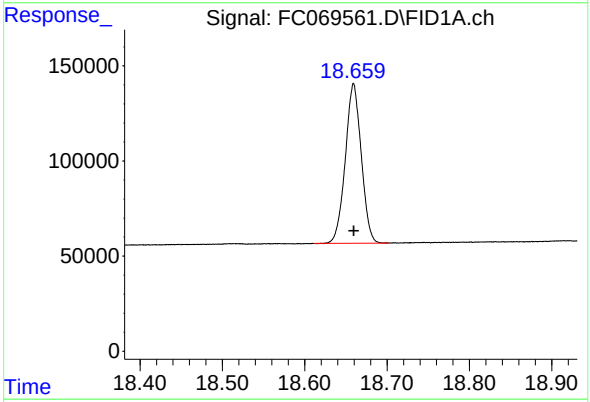
R.T.: 16.937 min
Delta R.T.: 0.000 min
Response: 1148200
Conc: 10.56 ug/ml



#17 n-Tricontane (C30)

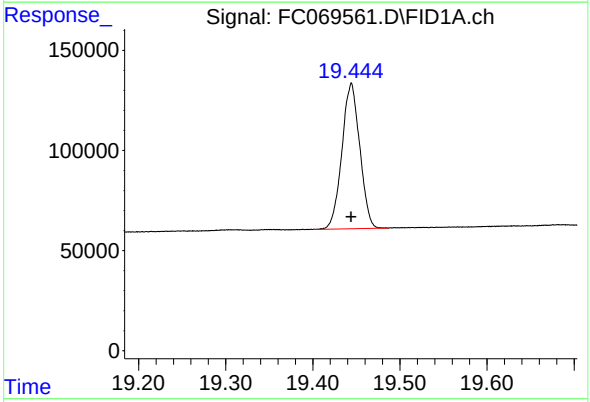
R.T.: 17.825 min
Delta R.T.: 0.000 min
Response: 1169356
Conc: 10.68 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



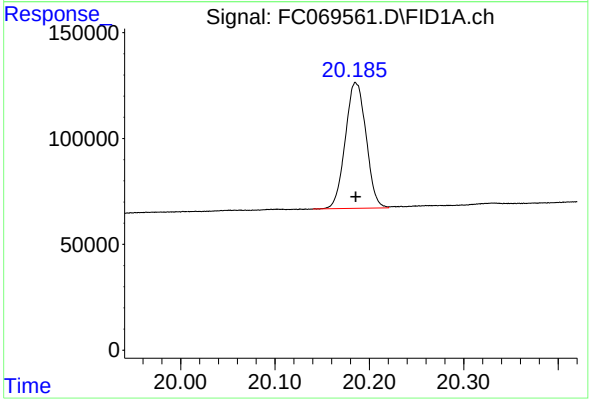
#18 n-Dotriacontane (C32)

R.T.: 18.659 min
Delta R.T.: 0.000 min
Response: 1129813
Conc: 10.72 ug/ml



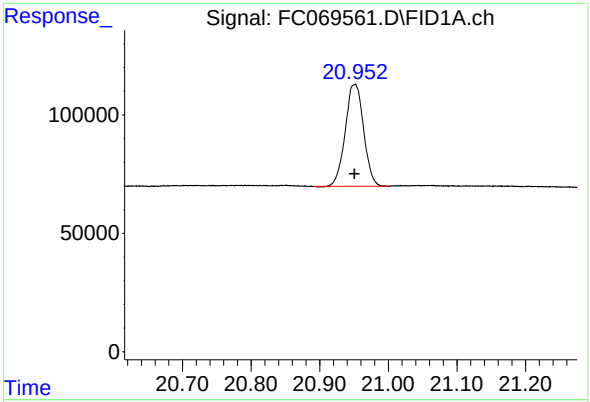
#19 n-Tetratriacontane (C34)

R.T.: 19.444 min
Delta R.T.: 0.000 min
Response: 1035291
Conc: 10.67 ug/ml



#20 n-Hexatriacontane (C36)

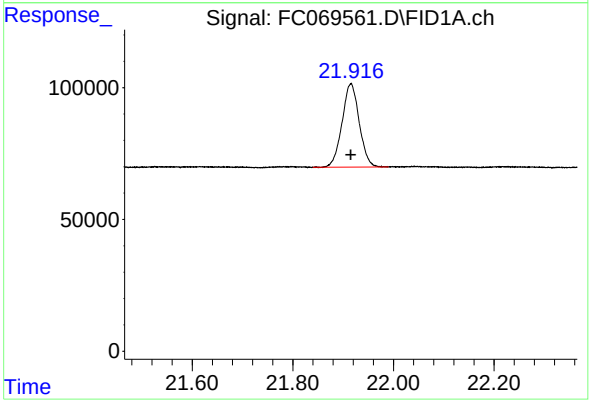
R.T.: 20.186 min
Delta R.T.: 0.000 min
Response: 908236
Conc: 10.64 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.951 min
Delta R.T.: 0.000 min
Response: 799482
Conc: 10.31 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.915 min
Delta R.T.: 0.000 min
Response: 749275
Conc: 10.23 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069561.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 13:06
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.400	3.374	3.445	BB	172113	1439879	91.76%	5.188%
2	4.473	4.445	4.519	BB	167943	1462951	93.23%	5.271%
3	6.069	6.037	6.135	BB	168967	1569203	100.00%	5.654%
4	6.498	6.464	6.550	BB	149172	1467891	93.54%	5.289%
5	7.128	7.087	7.202	BB	145315	1485813	94.69%	5.353%
6	8.297	8.264	8.350	BB	133068	1433466	91.35%	5.165%
7	9.902	9.867	9.965	BB	135234	1464276	93.31%	5.276%
8	11.346	11.310	11.395	BB	128377	1447437	92.24%	5.215%
9	11.669	11.632	11.717	BB	143989	1534923	97.82%	5.530%
10	12.658	12.622	12.707	BB	121821	1356080	86.42%	4.886%
11	13.105	13.065	13.149	BB	92191	1117333	71.20%	4.026%
12	13.271	13.210	13.315	BB	112196	1316459	83.89%	4.743%
13	13.858	13.794	13.909	BB	105843	1289069	82.15%	4.644%
14	14.963	14.904	15.005	BB	100401	1243261	79.23%	4.479%
15	15.985	15.927	16.024	BB	94931	1187475	75.67%	4.278%
16	16.937	16.869	16.989	BB	84232	1148200	73.17%	4.137%
17	17.825	17.780	17.880	BB	88459	1169356	74.52%	4.213%
18	18.659	18.610	18.702	BB	84000	1129813	72.00%	4.071%
19	19.444	19.400	19.487	BB	72518	1035291	65.98%	3.730%
20	20.186	20.140	20.220	BV	59413	908236	57.88%	3.272%
21	20.951	20.890	21.000	BB	42908	799482	50.95%	2.880%
22	21.915	21.840	21.990	BB	31700	749275	47.75%	2.700%
			Sum of corrected areas:			27755170		

Aliphatic EPH 080125.M Fri Aug 01 15:09:44 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069562.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 13:47
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Aug 01 14:13:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:13:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.667	806321	5.405 ug/ml
Spiked Amount	50.000		Recovery =	10.81%
12) S	1-chlorooctadecane (S...	13.104	581885	5.337 ug/ml
Spiked Amount	50.000		Recovery =	10.67%
	Target Compounds			
1) T	n-Nonane (C9)	3.401	775207	5.441 ug/ml
2) T	n-Decane (C10)	4.473	785741	5.405 ug/ml
3) T	A~Naphthalene (C11.7)	6.068	832580	5.366 ug/ml
4) T	n-Dodecane (C12)	6.497	790720	5.409 ug/ml
5) T	A~2-methylnaphthalene...	7.128	781407	5.306 ug/ml
6) T	n-Tetradecane (C14)	8.297	766590	5.372 ug/ml
7) T	n-Hexadecane (C16)	9.901	777062	5.390 ug/ml
8) T	n-Octadecane (C18)	11.345	768778	5.436 ug/ml
10) T	n-Eicosane (C20)	12.656	718355	5.453 ug/ml
11) T	n-Heneicosane (C21)	13.270	693612	5.438 ug/ml
13) T	n-Docosane (C22)	13.857	677921	5.427 ug/ml
14) T	n-Tetracosane (C24)	14.962	656255	5.438 ug/ml
15) T	n-Hexacosane (C26)	15.984	629658	5.449 ug/ml
16) T	n-Octacosane (C28)	16.935	626748	5.592 ug/ml
17) T	n-Tricontane (C30)	17.824	673441	5.882 ug/ml
18) T	n-Dotriacontane (C32)	18.658	669294	6.025 ug/ml
19) T	n-Tetratriacontane (C34)	19.443	605748	5.949 ug/ml
20) T	n-Hexatriacontane (C36)	20.185	521228	5.846 ug/ml
21) T	n-Octatriacontane (C38)	20.949	460015	5.719 ug/ml
22) T	n-Tetracontane (C40)	21.915	406976	5.435 ug/ml

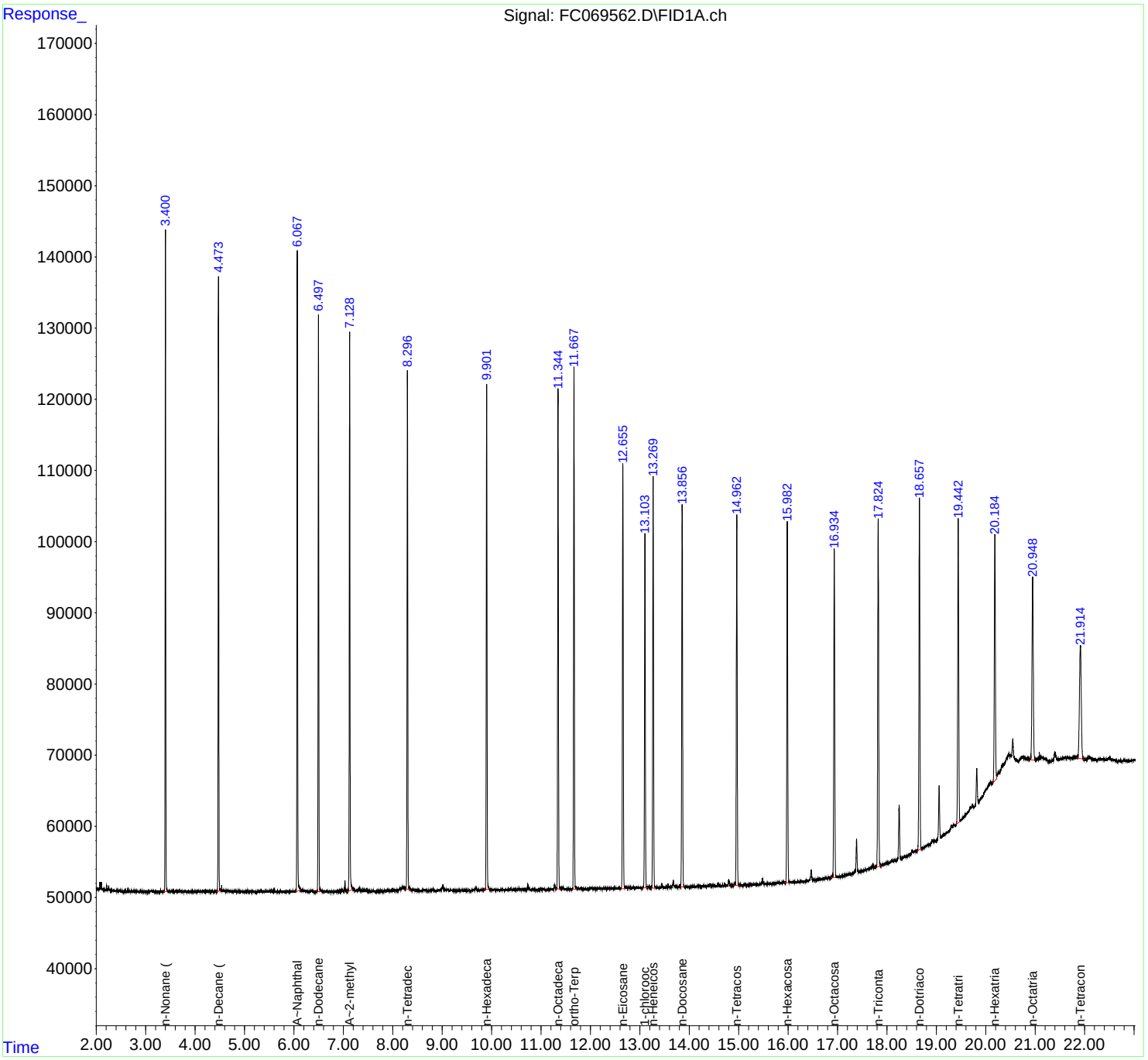
(f)=RT Delta > 1/2 Window (m)=manual int.

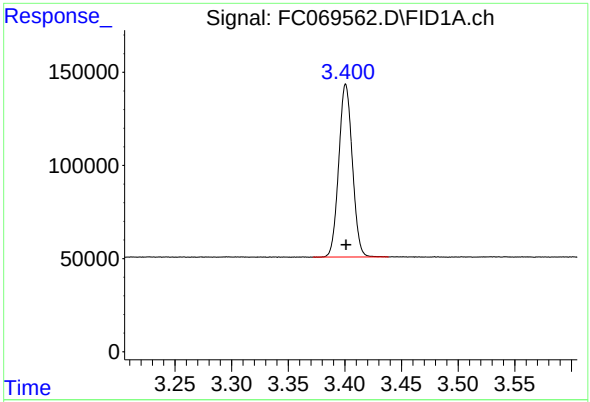
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069562.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 13:47
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Aug 01 14:13:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:13:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

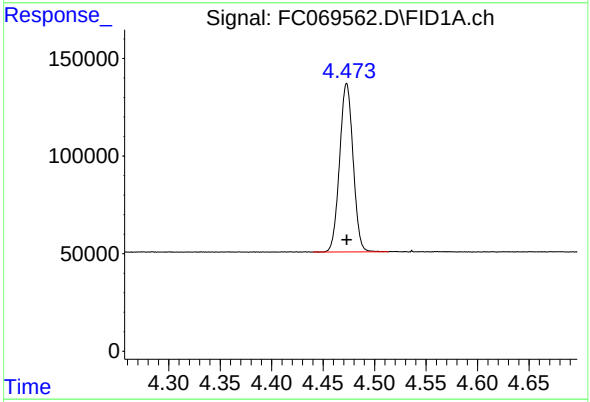




#1 n-Nonane (C9)

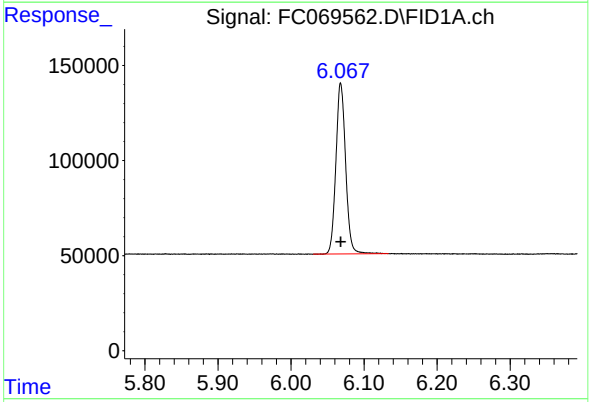
R.T.: 3.401 min
Delta R.T.: 0.000 min
Response: 775207
Conc: 5.44 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



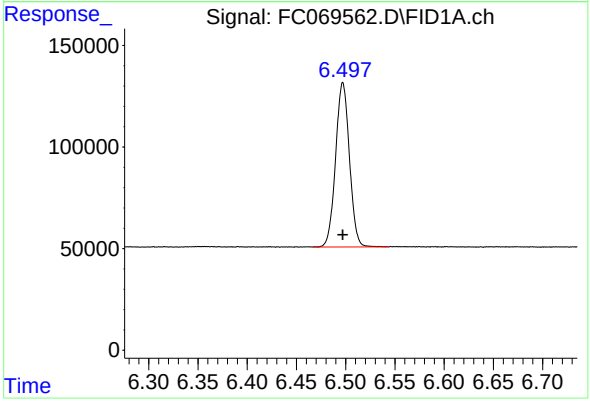
#2 n-Decane (C10)

R.T.: 4.473 min
Delta R.T.: 0.000 min
Response: 785741
Conc: 5.40 ug/ml



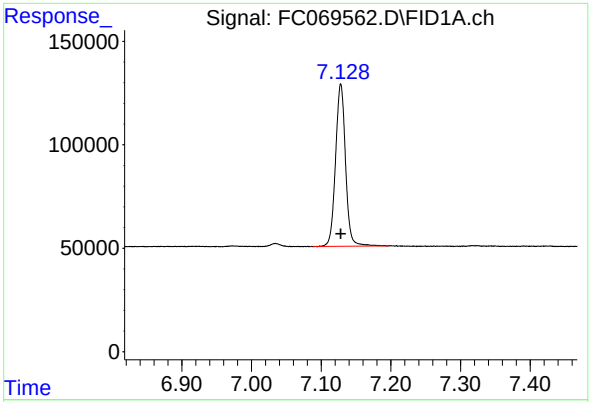
#3 A~Naphthalene (C11.7)

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 832580
Conc: 5.37 ug/ml



#4 n-Dodecane (C12)

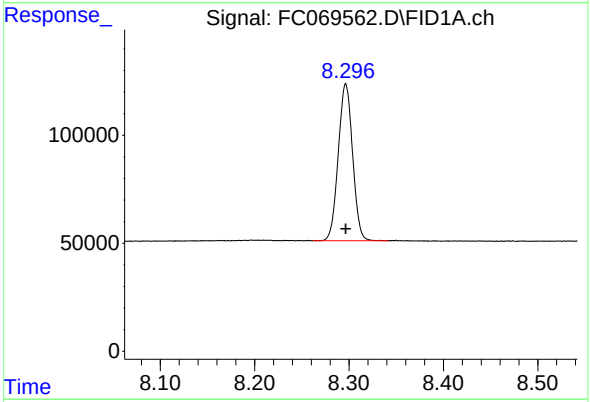
R.T.: 6.497 min
Delta R.T.: 0.000 min
Response: 790720
Conc: 5.41 ug/ml



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

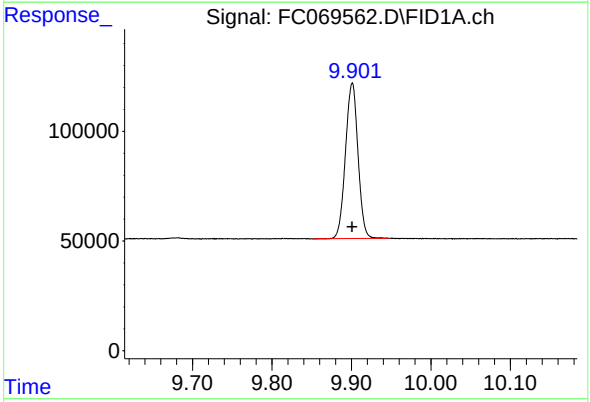
R.T.: 7.128 min
Delta R.T.: 0.000 min
Response: 781407
Conc: 5.31 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



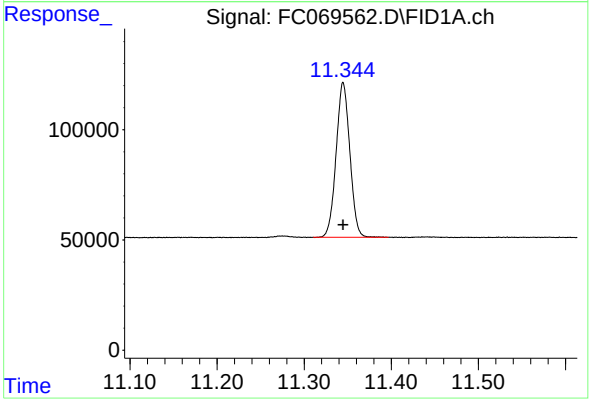
#6 n-Tetradecane (C14)

R.T.: 8.297 min
Delta R.T.: 0.000 min
Response: 766590
Conc: 5.37 ug/ml



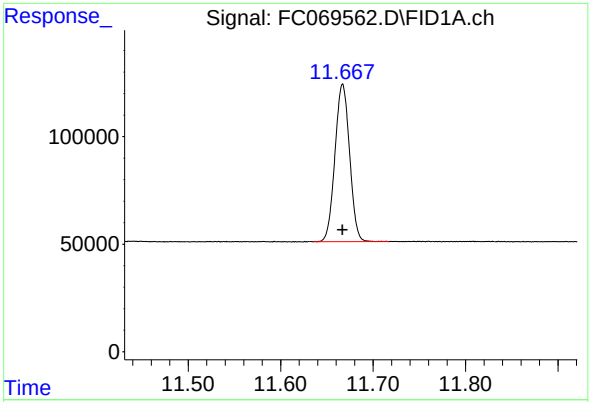
#7 n-Hexadecane (C16)

R.T.: 9.901 min
Delta R.T.: 0.000 min
Response: 777062
Conc: 5.39 ug/ml



#8 n-Octadecane (C18)

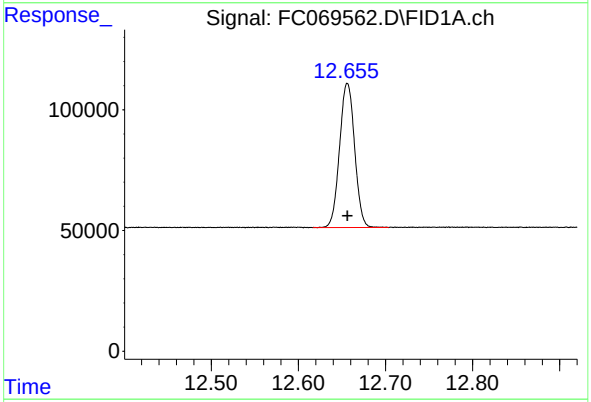
R.T.: 11.345 min
Delta R.T.: 0.000 min
Response: 768778
Conc: 5.44 ug/ml



#9 ortho-Terphenyl (SURR)

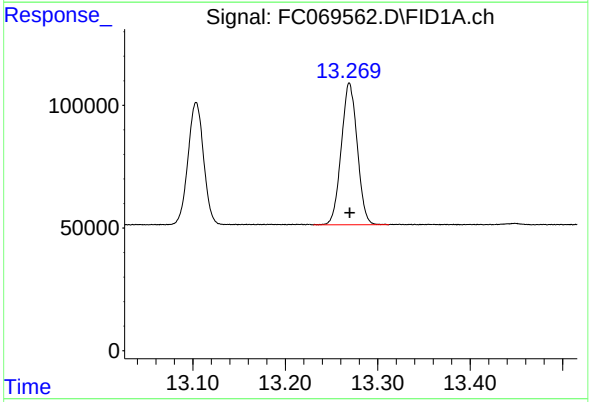
R.T.: 11.667 min
Delta R.T.: 0.000 min
Response: 806321
Conc: 5.40 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



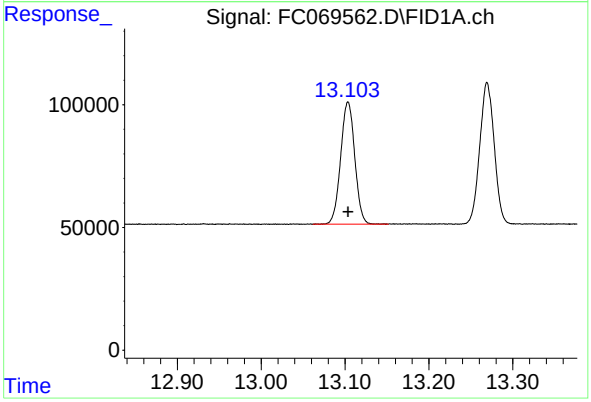
#10 n-Eicosane (C20)

R.T.: 12.656 min
Delta R.T.: 0.000 min
Response: 718355
Conc: 5.45 ug/ml



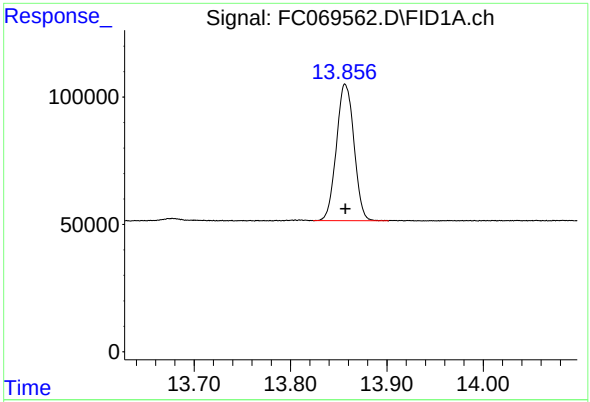
#11 n-Heneicosane (C21)

R.T.: 13.270 min
Delta R.T.: 0.000 min
Response: 693612
Conc: 5.44 ug/ml



#12 1-chlorooctadecane (SURR)

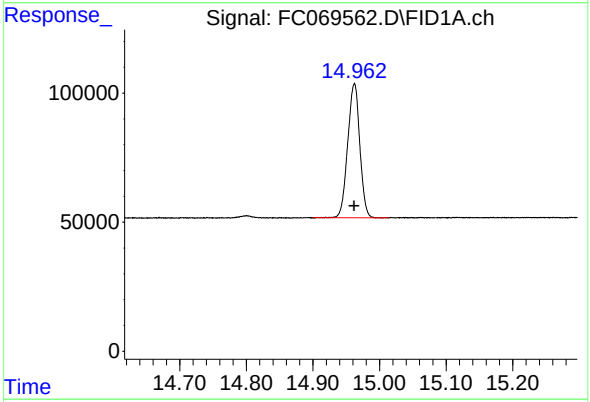
R.T.: 13.104 min
Delta R.T.: 0.000 min
Response: 581885
Conc: 5.34 ug/ml



#13 n-Docosane (C22)

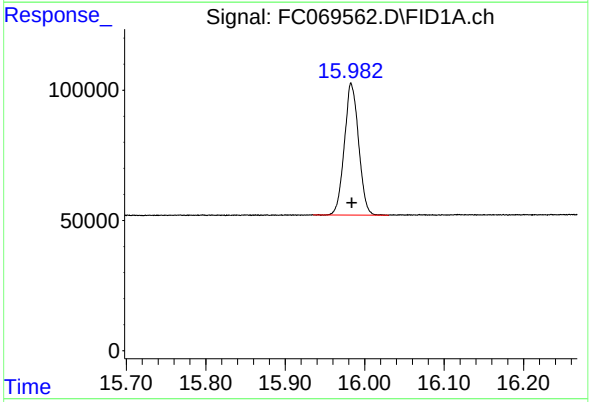
R.T.: 13.857 min
Delta R.T.: 0.000 min
Response: 677921
Conc: 5.43 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



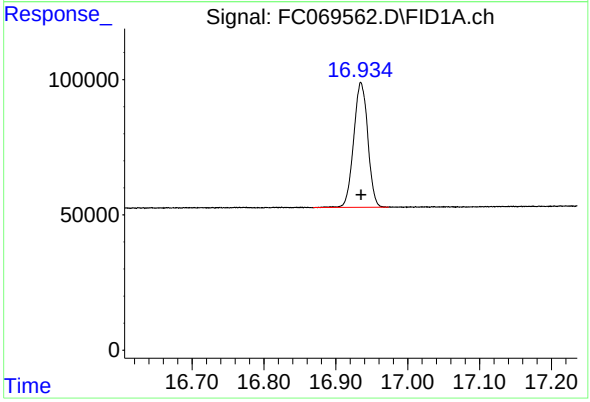
#14 n-Tetracosane (C24)

R.T.: 14.962 min
Delta R.T.: 0.000 min
Response: 656255
Conc: 5.44 ug/ml



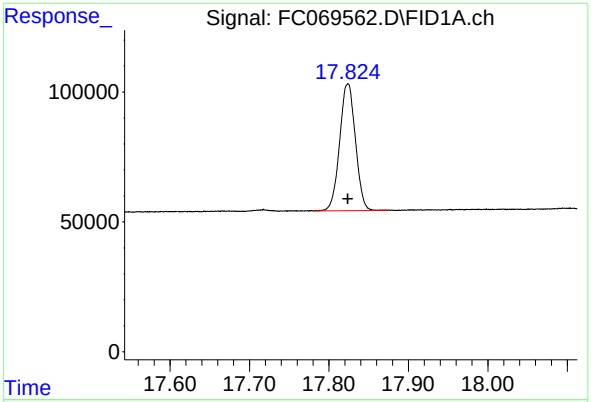
#15 n-Hexacosane (C26)

R.T.: 15.984 min
Delta R.T.: 0.000 min
Response: 629658
Conc: 5.45 ug/ml



#16 n-Octacosane (C28)

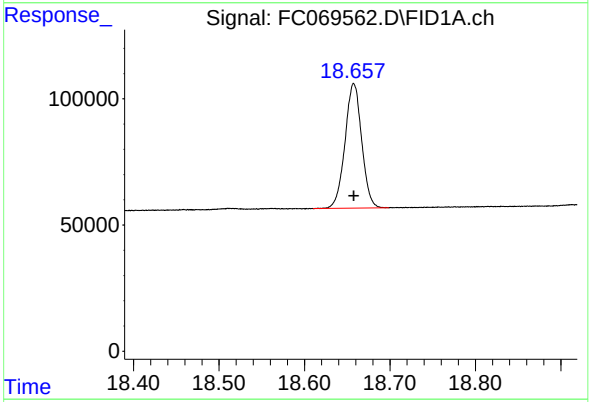
R.T.: 16.935 min
Delta R.T.: 0.000 min
Response: 626748
Conc: 5.59 ug/ml



#17 n-Tricontane (C30)

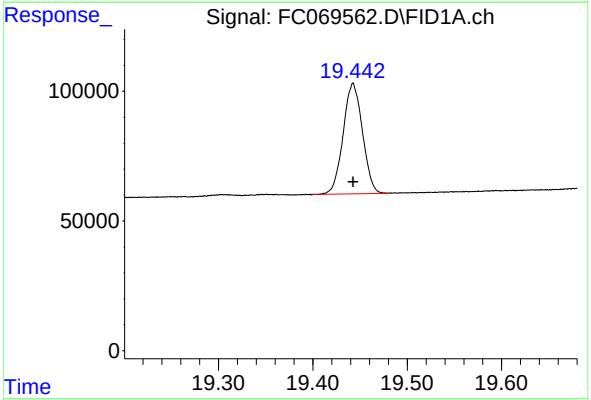
R.T.: 17.824 min
Delta R.T.: 0.000 min
Response: 673441
Conc: 5.88 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



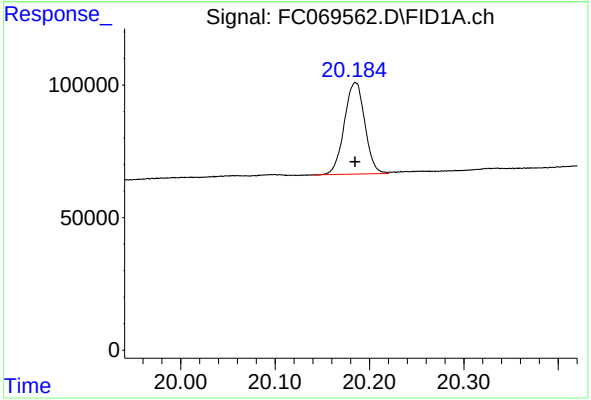
#18 n-Dotriacontane (C32)

R.T.: 18.658 min
Delta R.T.: 0.000 min
Response: 669294
Conc: 6.03 ug/ml



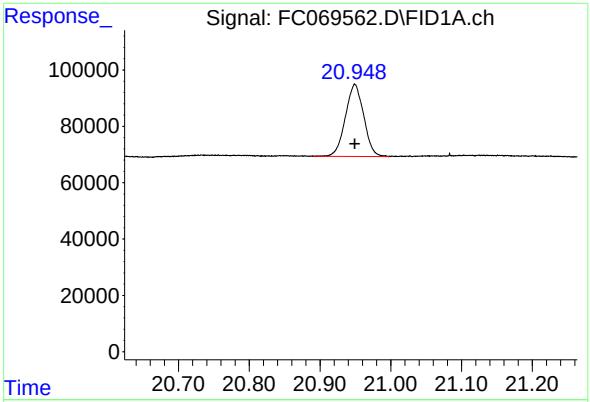
#19 n-Tetratriacontane (C34)

R.T.: 19.443 min
Delta R.T.: 0.000 min
Response: 605748
Conc: 5.95 ug/ml



#20 n-Hexatriacontane (C36)

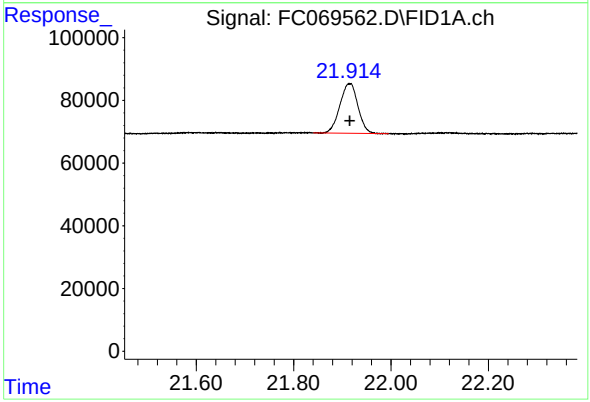
R.T.: 20.185 min
Delta R.T.: 0.000 min
Response: 521228
Conc: 5.85 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.949 min
Delta R.T.: 0.000 min
Response: 460015
Conc: 5.72 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.915 min
Delta R.T.: 0.000 min
Response: 406976
Conc: 5.43 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069562.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 13:47
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.401	3.372	3.439	BB	92846	775207	93.11%	5.166%
2	4.473	4.440	4.514	BB	86387	785741	94.37%	5.236%
3	6.068	6.030	6.134	BB	89375	832580	100.00%	5.548%
4	6.497	6.467	6.544	BB	81025	790720	94.97%	5.270%
5	7.128	7.089	7.197	BB	78607	781407	93.85%	5.207%
6	8.297	8.262	8.342	BB	72705	766590	92.07%	5.109%
7	9.901	9.852	9.947	BB	70840	777062	93.33%	5.178%
8	11.345	11.310	11.397	BB	70089	768778	92.34%	5.123%
9	11.667	11.635	11.717	BB	73361	806321	96.85%	5.373%
10	12.656	12.617	12.704	BB	59753	718355	86.28%	4.787%
11	13.104	13.062	13.152	BB	49853	581885	69.89%	3.878%
12	13.270	13.230	13.312	BB	57609	693612	83.31%	4.622%
13	13.857	13.824	13.902	BB	53524	677921	81.42%	4.518%
14	14.962	14.900	15.014	BB	51940	656255	78.82%	4.373%
15	15.984	15.935	16.030	BB	50097	629658	75.63%	4.196%
16	16.935	16.869	16.974	BB	46038	626748	75.28%	4.177%
17	17.824	17.780	17.875	BB	48811	673441	80.89%	4.488%
18	18.658	18.610	18.699	BB	49432	669294	80.39%	4.460%
19	19.443	19.400	19.480	BB	42595	605748	72.76%	4.037%
20	20.185	20.140	20.220	BV	34631	521228	62.60%	3.474%
21	20.949	20.890	20.997	BB	25663	460015	55.25%	3.066%
22	21.915	21.840	21.995	BB	15790	406976	48.88%	2.712%

Sum of corrected areas: 15005541

Aliphatic EPH 080125.M Fri Aug 01 15:10:07 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069563.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 14:28
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Aug 01 15:10:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.669	3105191	20.814 ug/ml
Spiked Amount	50.000		Recovery =	41.63%
12)	S 1-chlorooctadecane (S...	13.104	2286929	20.976 ug/ml
Spiked Amount	50.000		Recovery =	41.95%
	Target Compounds			
1)	T n-Nonane (C9)	3.400	2855286	20.041 ug/ml
2)	T n-Decane (C10)	4.473	2929618	20.151 ug/ml
3)	T A~Naphthalene (C11.7)	6.069	3158669	20.357 ug/ml
4)	T n-Dodecane (C12)	6.498	2937597	20.095 ug/ml
5)	T A~2-methylnaphthalene...	7.129	3013832	20.464 ug/ml
6)	T n-Tetradecane (C14)	8.298	2888977	20.244 ug/ml
7)	T n-Hexadecane (C16)	9.902	2948651	20.454 ug/ml
8)	T n-Octadecane (C18)	11.346	2922239	20.665 ug/ml
10)	T n-Eicosane (C20)	12.658	2742899	20.822 ug/ml
11)	T n-Heneicosane (C21)	13.271	2664174	20.888 ug/ml
13)	T n-Docosane (C22)	13.858	2615907	20.941 ug/ml
14)	T n-Tetracosane (C24)	14.963	2528973	20.957 ug/ml
15)	T n-Hexacosane (C26)	15.987	2413151	20.884 ug/ml
16)	T n-Octacosane (C28)	16.937	2329648	20.784 ug/ml
17)	T n-Tricontane (C30)	17.826	2357945	20.594 ug/ml
18)	T n-Dotriacontane (C32)	18.659	2285649	20.576 ug/ml
19)	T n-Tetratriacontane (C34)	19.445	2091381	20.539 ug/ml
20)	T n-Hexatriacontane (C36)	20.186	1824700	20.464 ug/ml
21)	T n-Octatriacontane (C38)	20.951	1652539	20.543 ug/ml
22)	T n-Tetracontane (C40)	21.914	1550924	20.712 ug/ml

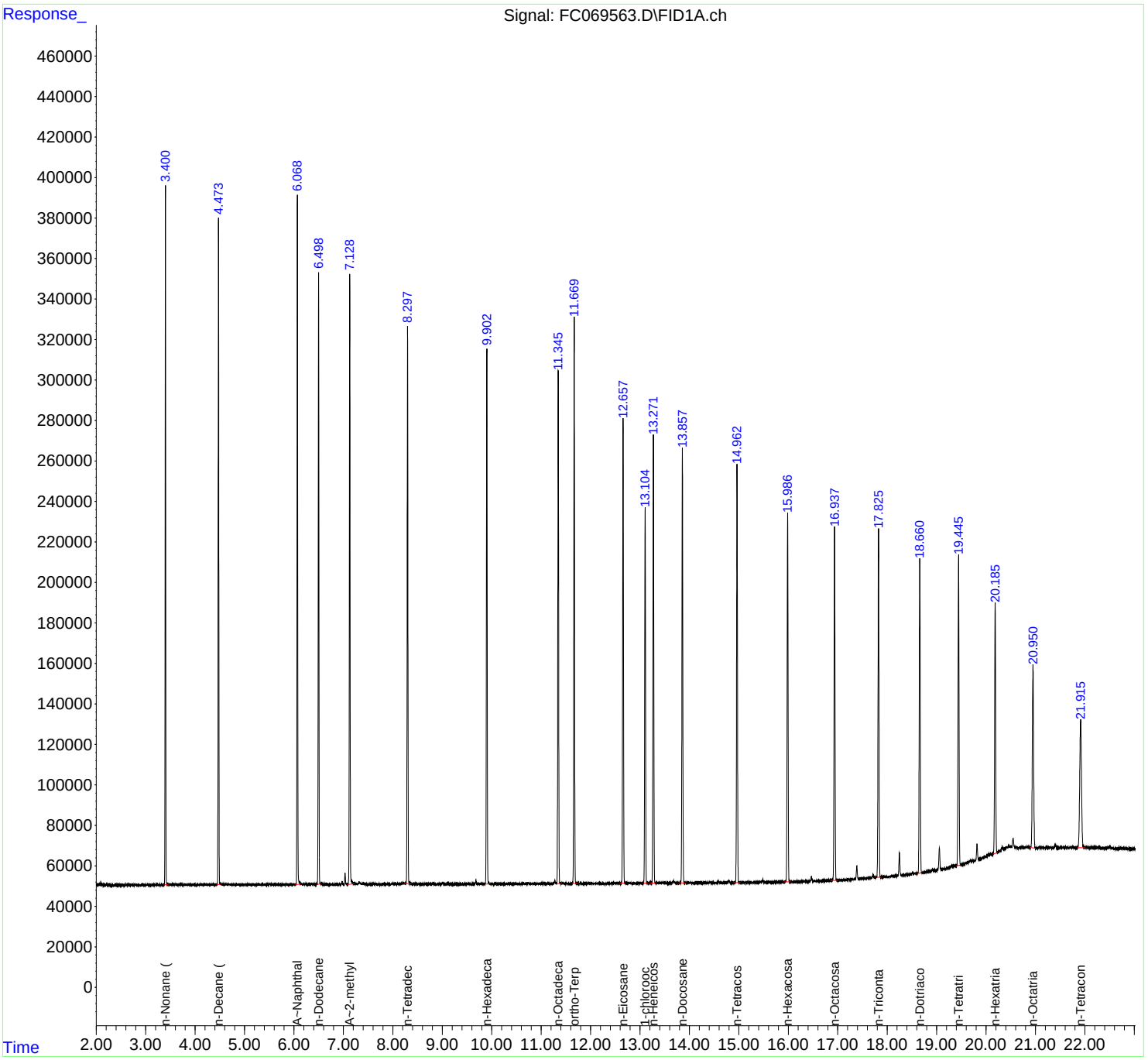
(f)=RT Delta > 1/2 Window (m)=manual int.

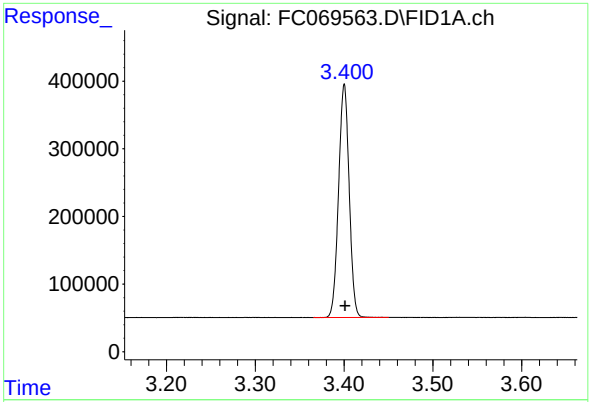
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069563.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 14:28
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Aug 01 15:10:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

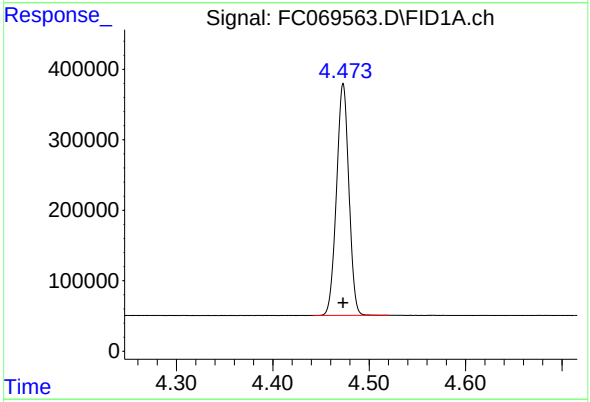




#1 n-Nonane (C9)

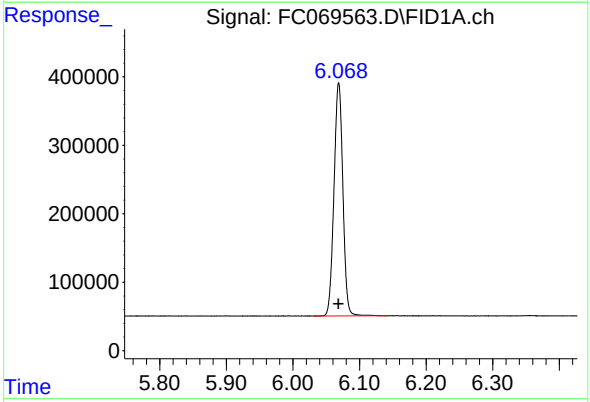
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 2855286
Conc: 20.04 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



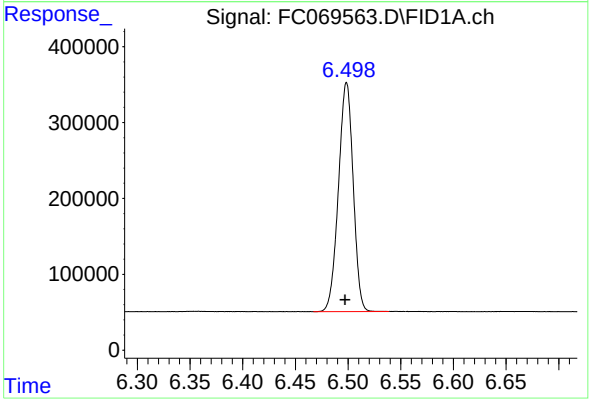
#2 n-Decane (C10)

R.T.: 4.473 min
Delta R.T.: 0.000 min
Response: 2929618
Conc: 20.15 ug/ml



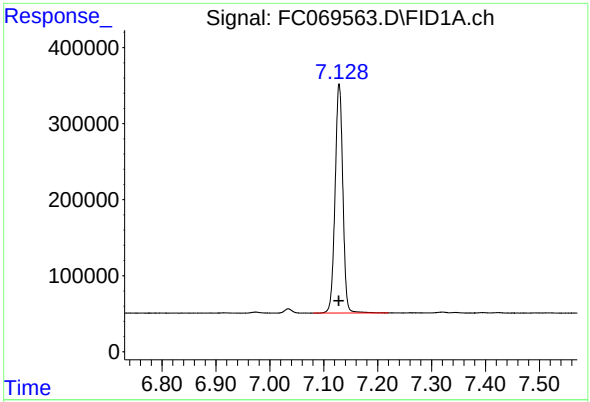
#3 A~Naphthalene (C11.7)

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 3158669
Conc: 20.36 ug/ml



#4 n-Dodecane (C12)

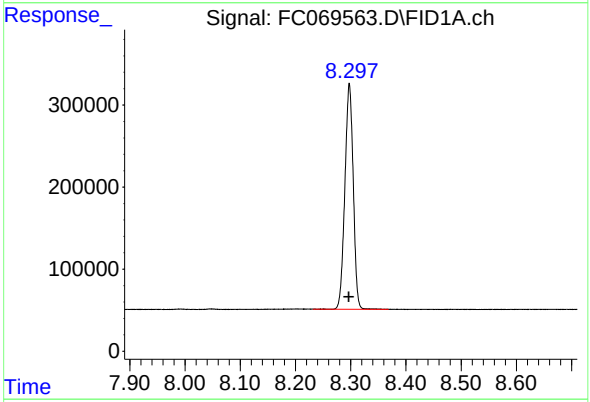
R.T.: 6.498 min
Delta R.T.: 0.001 min
Response: 2937597
Conc: 20.10 ug/ml



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

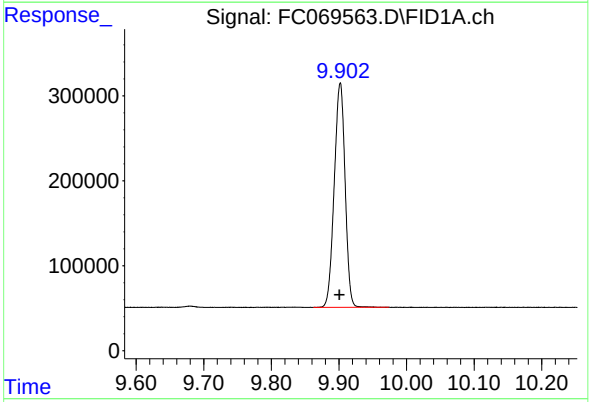
R.T.: 7.129 min
Delta R.T.: 0.000 min
Response: 3013832
Conc: 20.46 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



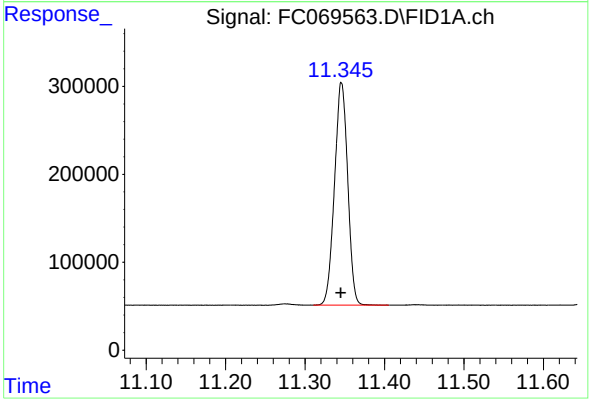
#6 n-Tetradecane (C14)

R.T.: 8.298 min
Delta R.T.: 0.001 min
Response: 2888977
Conc: 20.24 ug/ml



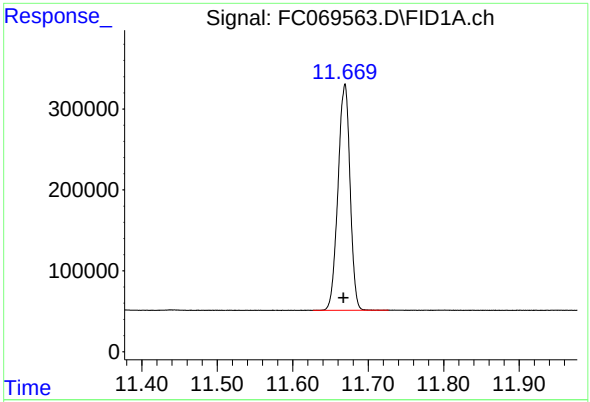
#7 n-Hexadecane (C16)

R.T.: 9.902 min
Delta R.T.: 0.000 min
Response: 2948651
Conc: 20.45 ug/ml



#8 n-Octadecane (C18)

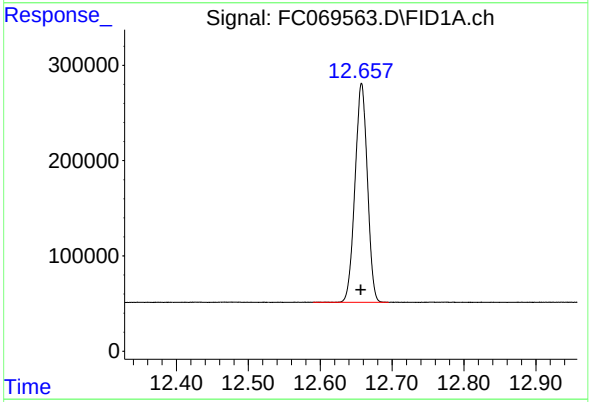
R.T.: 11.346 min
Delta R.T.: 0.001 min
Response: 2922239
Conc: 20.66 ug/ml



#9 ortho-Terphenyl (SURR)

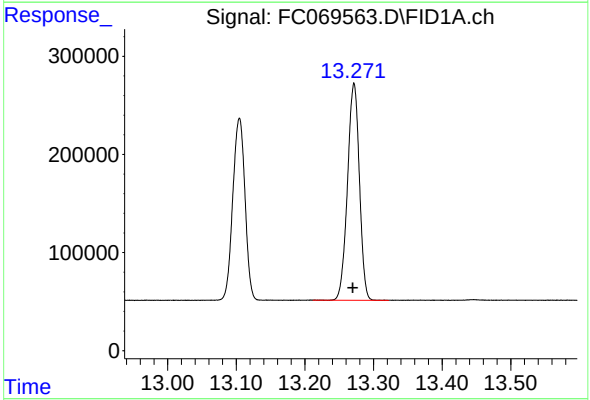
R.T.: 11.669 min
Delta R.T.: 0.002 min
Response: 3105191
Conc: 20.81 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



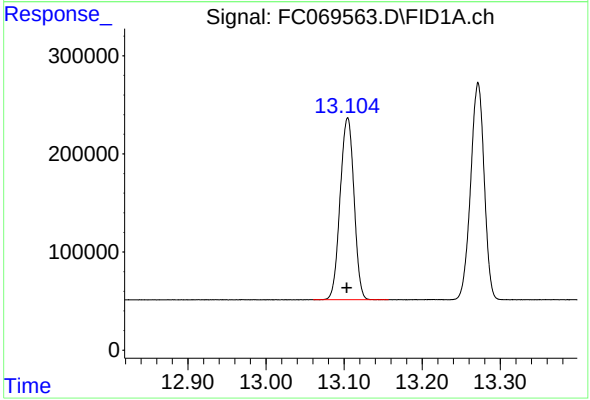
#10 n-Eicosane (C20)

R.T.: 12.658 min
Delta R.T.: 0.001 min
Response: 2742899
Conc: 20.82 ug/ml



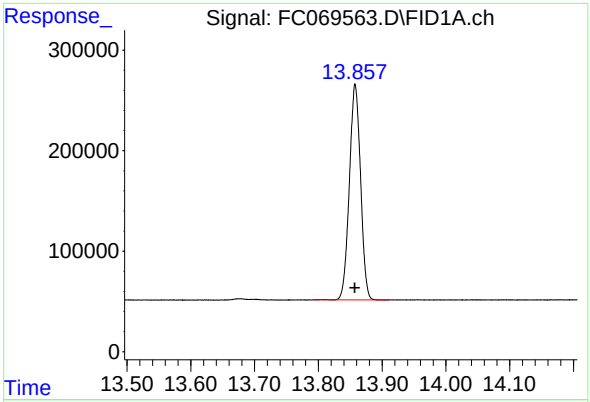
#11 n-Heneicosane (C21)

R.T.: 13.271 min
Delta R.T.: 0.002 min
Response: 2664174
Conc: 20.89 ug/ml



#12 1-chlorooctadecane (SURR)

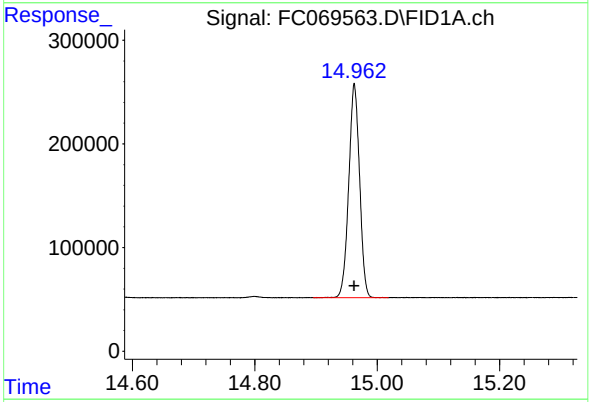
R.T.: 13.104 min
Delta R.T.: 0.000 min
Response: 2286929
Conc: 20.98 ug/ml



#13 n-Docosane (C22)

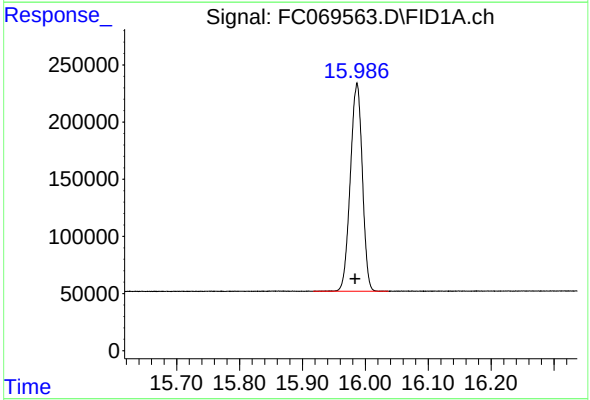
R.T.: 13.858 min
Delta R.T.: 0.000 min
Response: 2615907
Conc: 20.94 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



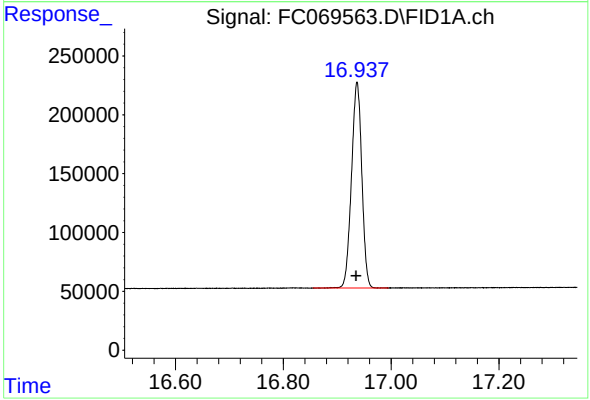
#14 n-Tetracosane (C24)

R.T.: 14.963 min
Delta R.T.: 0.000 min
Response: 2528973
Conc: 20.96 ug/ml



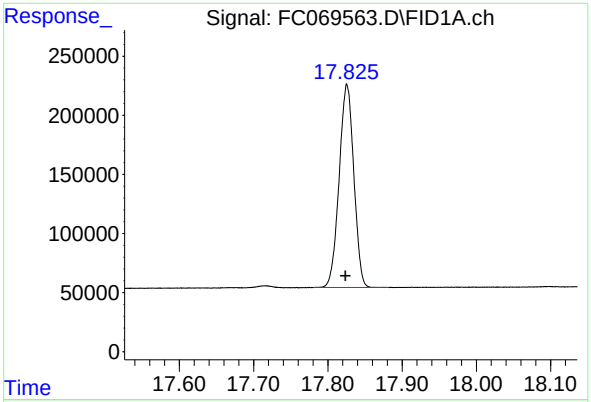
#15 n-Hexacosane (C26)

R.T.: 15.987 min
Delta R.T.: 0.003 min
Response: 2413151
Conc: 20.88 ug/ml



#16 n-Octacosane (C28)

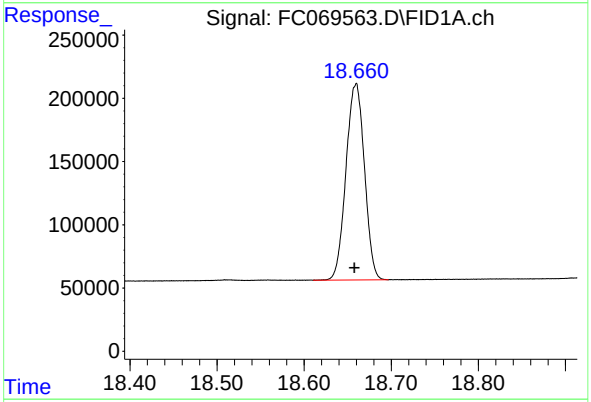
R.T.: 16.937 min
Delta R.T.: 0.002 min
Response: 2329648
Conc: 20.78 ug/ml



#17 n-Tricontane (C30)

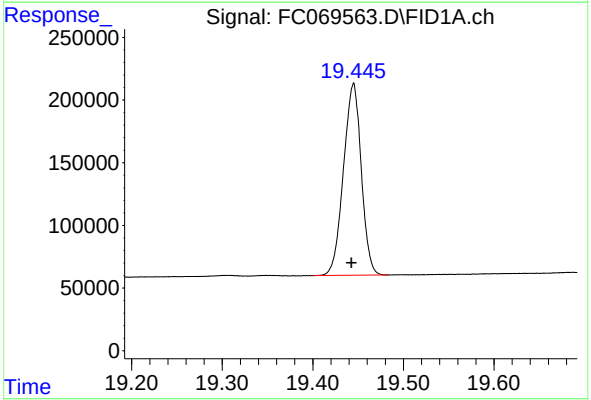
R.T.: 17.826 min
Delta R.T.: 0.002 min
Response: 2357945
Conc: 20.59 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



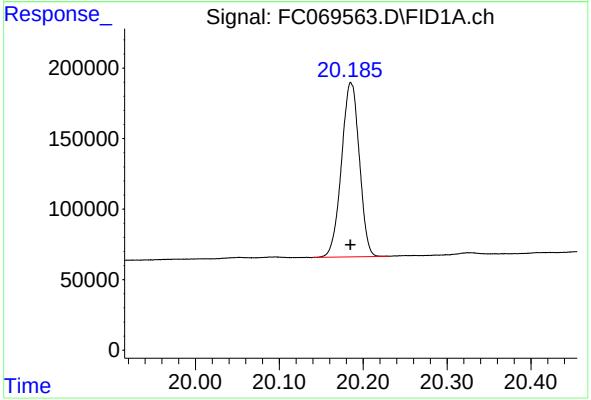
#18 n-Dotriacontane (C32)

R.T.: 18.659 min
Delta R.T.: 0.002 min
Response: 2285649
Conc: 20.58 ug/ml



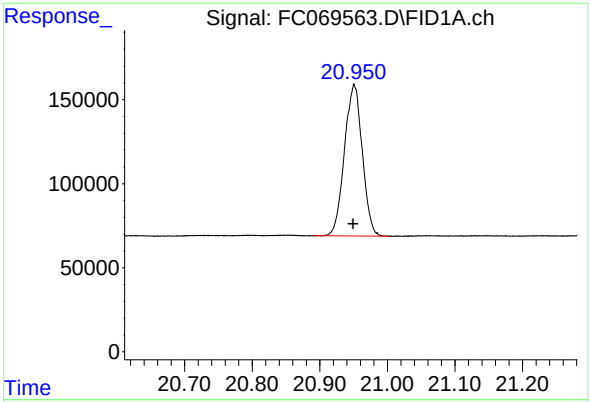
#19 n-Tetratriacontane (C34)

R.T.: 19.445 min
Delta R.T.: 0.002 min
Response: 2091381
Conc: 20.54 ug/ml



#20 n-Hexatriacontane (C36)

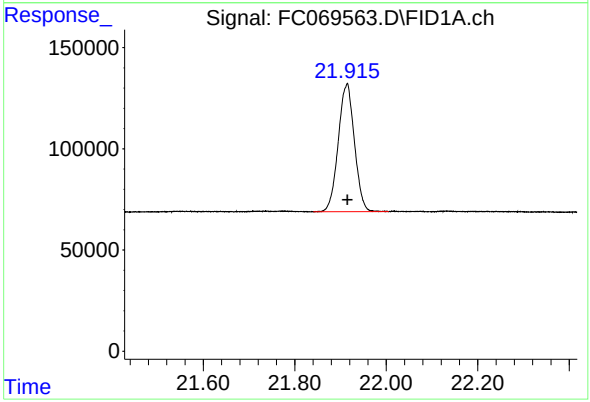
R.T.: 20.186 min
Delta R.T.: 0.000 min
Response: 1824700
Conc: 20.46 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.951 min
Delta R.T.: 0.002 min
Response: 1652539
Conc: 20.54 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.914 min
Delta R.T.: -0.001 min
Response: 1550924
Conc: 20.71 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080125AL\
Data File : FC069563.D
Signal(s) : FID1A.ch
Acq On : 01 Aug 2025 14:28
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.400	3.365	3.450	BB	345533	2855286	90.40%	5.089%
2	4.473	4.442	4.520	BB	329590	2929618	92.75%	5.222%
3	6.069	6.030	6.144	BB	341017	3158669	100.00%	5.630%
4	6.498	6.467	6.539	BB	302521	2937597	93.00%	5.236%
5	7.129	7.080	7.220	BB	301277	3013832	95.41%	5.372%
6	8.298	8.232	8.369	BB	275150	2888977	91.46%	5.149%
7	9.902	9.862	9.974	BB	264575	2948651	93.35%	5.256%
8	11.346	11.310	11.405	BB	253768	2922239	92.51%	5.209%
9	11.669	11.627	11.727	BB	278698	3105191	98.31%	5.535%
10	12.658	12.590	12.695	BB	229882	2742899	86.84%	4.889%
11	13.104	13.060	13.157	BB	186071	2286929	72.40%	4.076%
12	13.271	13.212	13.322	BB	221820	2664174	84.34%	4.749%
13	13.858	13.792	13.910	BB	213600	2615907	82.82%	4.663%
14	14.963	14.895	15.019	BB	204760	2528973	80.06%	4.508%
15	15.987	15.917	16.037	BB	182485	2413151	76.40%	4.301%
16	16.937	16.855	16.995	BB	174956	2329648	73.75%	4.152%
17	17.826	17.780	17.882	BB	172096	2357945	74.65%	4.203%
18	18.659	18.610	18.697	BB	154350	2285649	72.36%	4.074%
19	19.445	19.400	19.484	BB	153912	2091381	66.21%	3.728%
20	20.186	20.140	20.230	BV	123578	1824700	57.77%	3.252%
21	20.951	20.890	21.002	BB	90222	1652539	52.32%	2.945%
22	21.914	21.840	22.005	BB	63034	1550924	49.10%	2.764%

Sum of corrected areas: 56104876

Aliphatic EPH 080125.M Fri Aug 01 15:12:08 2025

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

Inital Calibration Report for SequenceID : FE080125AL

AreaCount

Parameter Range	FE055102.D	FE055103.D	FE055104.D	FE055105.D	FE055106.D	
Aliphatic C9-C12	32408754.000	16891181.000	7003710.000	3577317.000	1909553.000	
Aliphatic C12-C16	23084106.000	11985802.000	4993920.000	2562730.000	1378723.000	
Aliphatic C16-C21	35136636.000	18127790.000	7566457.000	3893517.000	2072383.000	
Aliphatic C21-C28	44556926.000	23024093.000	9601695.000	4948829.000	2645478.000	
Aliphatic C28-C40	61529999.000	31908743.000	13279856.000	7025222.000	3998130.000	
Aliphatic EPH	196716421.000	101937609.000	42445638.000	22007615.000	12004267.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	116782.5973332	6.216				
Aliphatic C12-C16	125227.07	6.84				
Aliphatic C16-C21	126404.887333	6.459				
Aliphatic C21-C28	120505.7185	6.705				
Aliphatic C28-C40	113987.1949996	10.577				
Aliphatic EPH	119220.1465552	7.797				

Concentration

Parameter Range	FE055102.D	FE055103.D	FE055104.D	FE055105.D	FE055106.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	FE055102.D	FE055103.D	FE055104.D	FE055105.D	FE055106.D	
Aliphatic C9-C12	108029.180000	112607.873333	116728.500000	119243.900000	127303.533333	
Aliphatic C12-C16	115420.530000	119858.020000	124848.000000	128136.500000	137872.300000	
Aliphatic C16-C21	117122.120000	120851.933333	126107.616666	129783.900000	138158.866666	

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

Inital Calibration Report for SequenceID : FE080125AL

Aliphatic C21-C28	111392.315000	115120.465000	120021.187500	123720.725000	132273.900000	
Aliphatic C28-C40	102549.998333	106362.476666	110665.466666	117087.033333	133271.000000	
Aliphatic EPH	109286.900555	113264.010000	117904.550000	122264.527777	133380.744444	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055102.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:24
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Aug 01 12:58:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 12:56:55 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	13258959	96.436 ug/ml
Spiked Amount	50.000		Recovery =	192.87%
12) S	1-chlorooctadecane (S...	13.529	10060078	96.779 ug/ml
Spiked Amount	50.000		Recovery =	193.56%
	Target Compounds			
1) T	n-Nonane (C9)	3.426	10566449	95.907 ug/ml
2) T	n-Decane (C10)	4.686	10785569	96.140 ug/ml
3) T	A~Naphthalene (C11.7)	6.406	12473805	96.312 ug/ml
4) T	n-Dodecane (C12)	6.863	11056736	96.333 ug/ml
5) T	A~2-methylnaphthalene...	7.509	12240152	96.717 ug/ml
6) T	n-Tetradecane (C14)	8.700	11258265	95.907 ug/ml
7) T	n-Hexadecane (C16)	10.316	11825841	96.238 ug/ml
8) T	n-Octadecane (C18)	11.768	12080672	96.276 ug/ml
10) T	n-Eicosane (C20)	13.081	11630709	96.308 ug/ml
11) T	n-Heneicosane (C21)	13.696	11425255	96.335 ug/ml
13) T	n-Docosane (C22)	14.284	11344173	96.437 ug/ml
14) T	n-Tetracosane (C24)	15.391	11250576	96.251 ug/ml
15) T	n-Hexacosane (C26)	16.414	11078971	96.324 ug/ml
16) T	n-Octacosane (C28)	17.367	10883206	96.067 ug/ml
17) T	n-Tricontane (C30)	18.257	11064265	95.655 ug/ml
18) T	n-Dotriacontane (C32)	19.090	10837325	95.887 ug/ml
19) T	n-Tetratriacontane (C34)	19.876	10452018	96.017 ug/ml
20) T	n-Hexatriacontane (C36)	20.616	9856874	96.586 ug/ml
21) T	n-Octatriacontane (C38)	21.400	9704662	96.195 ug/ml
22) T	n-Tetracontane (C40)	22.396	9614855	96.961 ug/ml

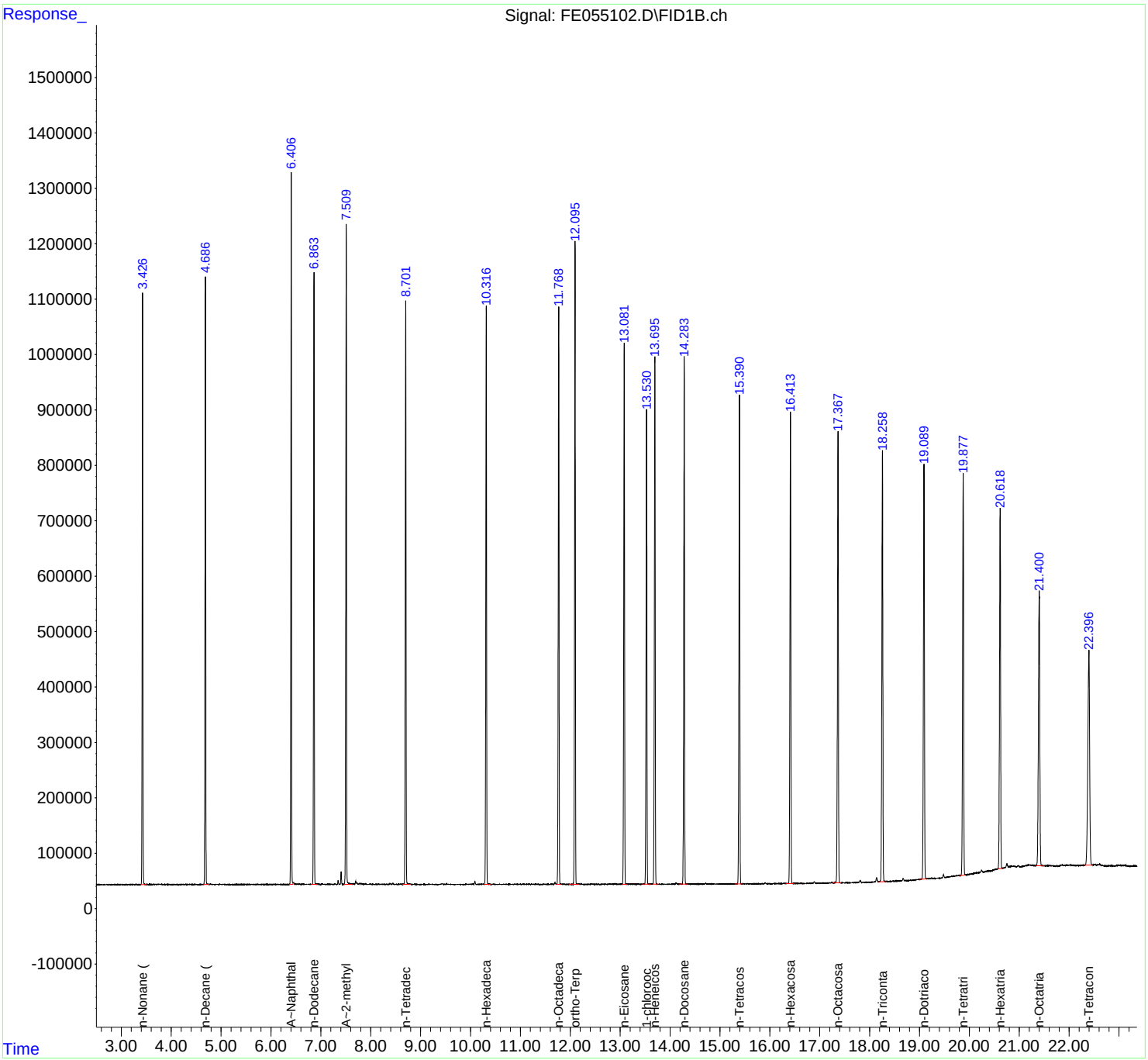
(f)=RT Delta > 1/2 Window (m)=manual int.

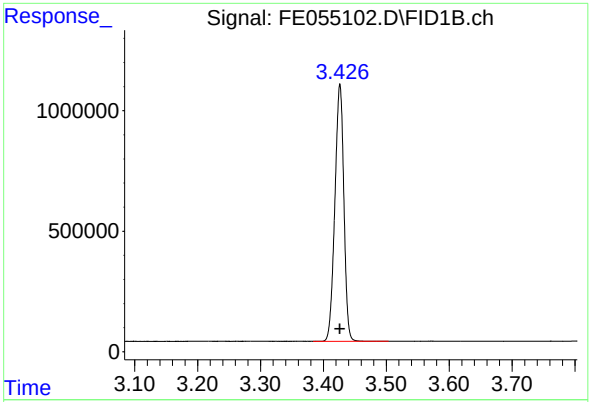
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055102.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:24
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Aug 01 12:58:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 12:56:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

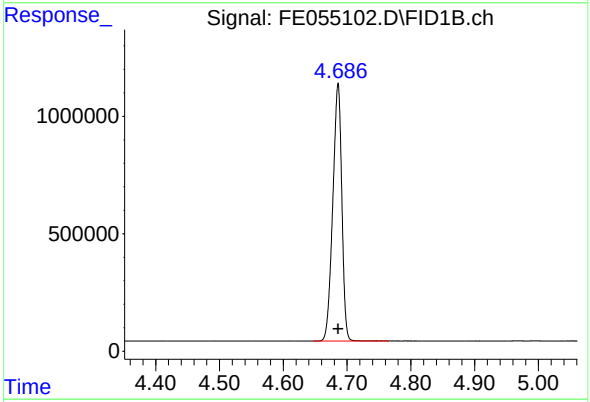




#1 n-Nonane (C9)

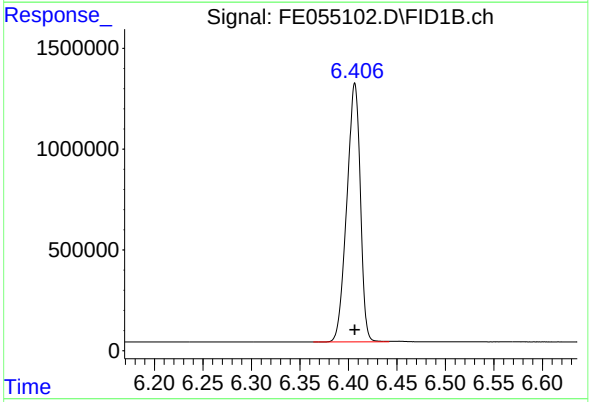
R.T.: 3.426 min
Delta R.T.: 0.000 min
Response: 10566449
Conc: 95.91 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



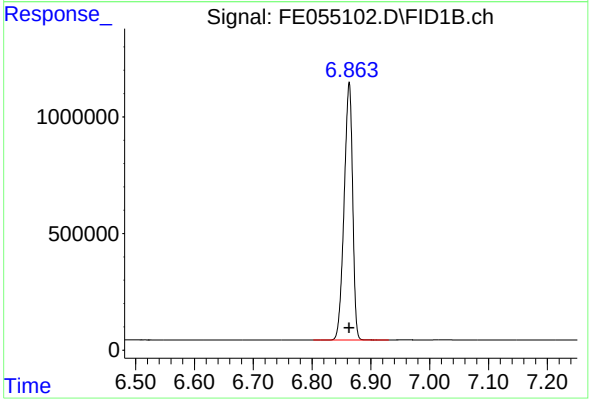
#2 n-Decane (C10)

R.T.: 4.686 min
Delta R.T.: 0.000 min
Response: 10785569
Conc: 96.14 ug/ml



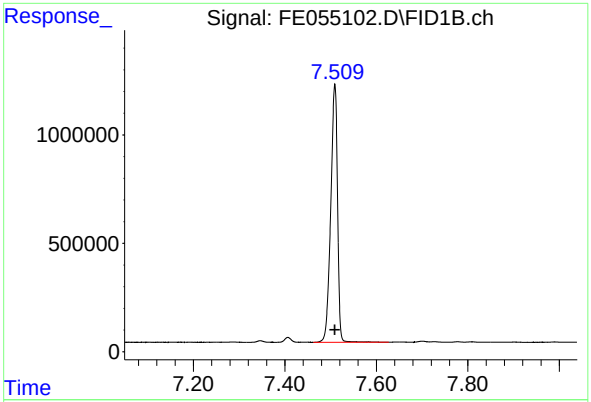
#3 A~Naphthalene (C11.7)

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 12473805
Conc: 96.31 ug/ml



#4 n-Dodecane (C12)

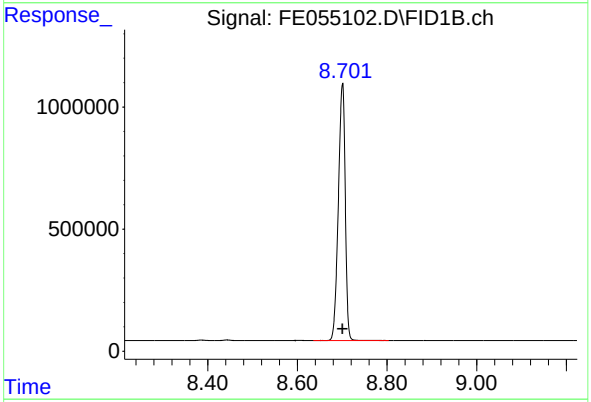
R.T.: 6.863 min
Delta R.T.: 0.000 min
Response: 11056736
Conc: 96.33 ug/ml



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

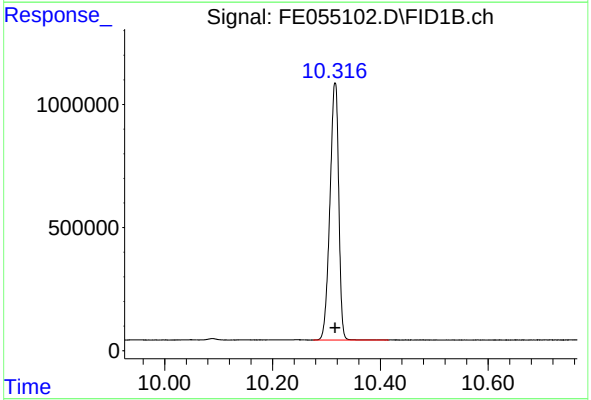
R.T.: 7.509 min
Delta R.T.: 0.000 min
Response: 12240152
Conc: 96.72 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



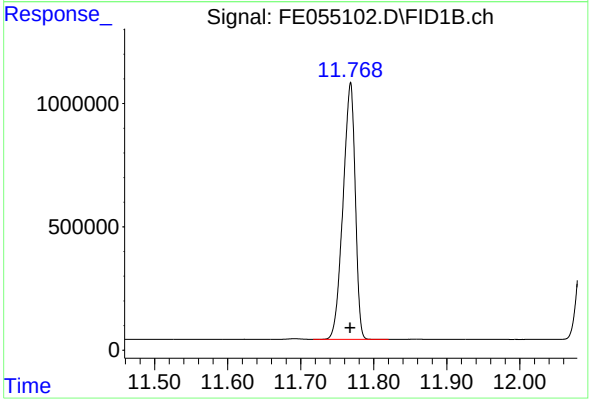
#6 n-Tetradecane (C14)

R.T.: 8.700 min
Delta R.T.: 0.000 min
Response: 11258265
Conc: 95.91 ug/ml



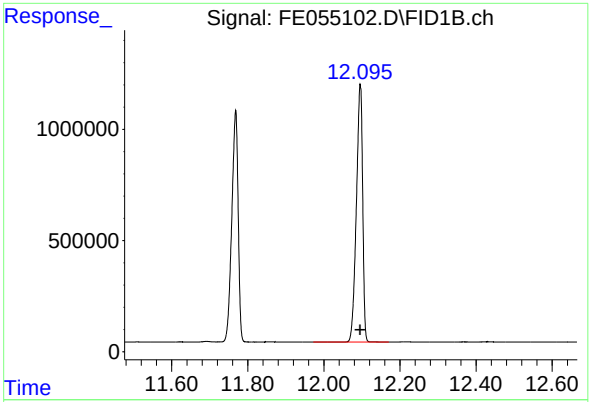
#7 n-Hexadecane (C16)

R.T.: 10.316 min
Delta R.T.: 0.000 min
Response: 11825841
Conc: 96.24 ug/ml



#8 n-Octadecane (C18)

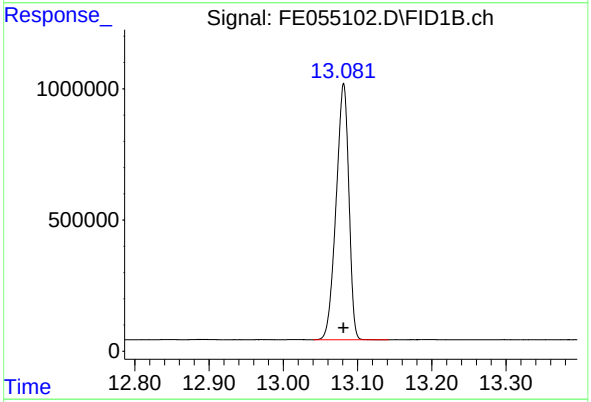
R.T.: 11.768 min
Delta R.T.: 0.000 min
Response: 12080672
Conc: 96.28 ug/ml



#9 ortho-Terphenyl (SURR)

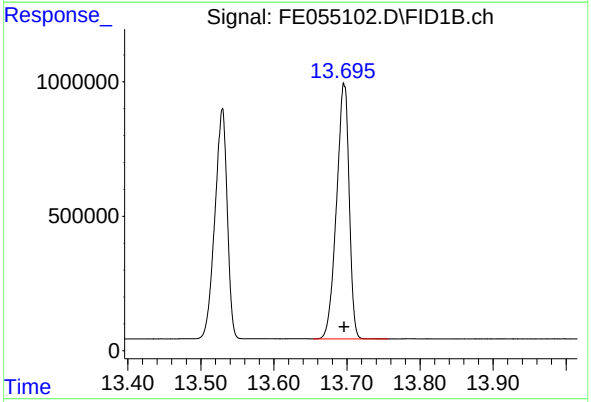
R.T.: 12.095 min
Delta R.T.: 0.000 min
Response: 13258959
Conc: 96.44 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



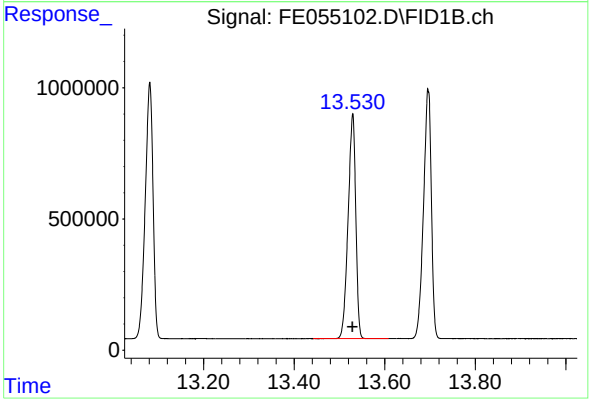
#10 n-Eicosane (C20)

R.T.: 13.081 min
Delta R.T.: 0.000 min
Response: 11630709
Conc: 96.31 ug/ml



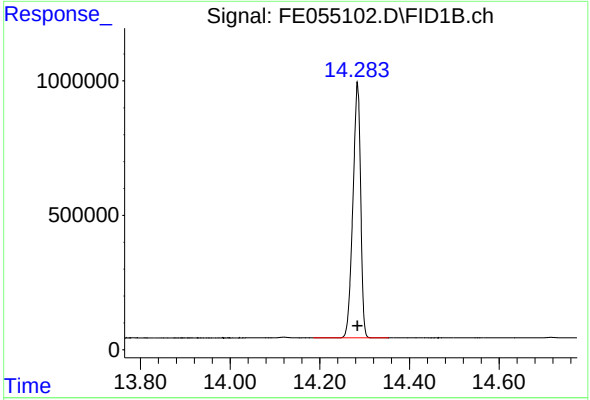
#11 n-Heneicosane (C21)

R.T.: 13.696 min
Delta R.T.: 0.000 min
Response: 11425255
Conc: 96.33 ug/ml



#12 1-chlorooctadecane (SURR)

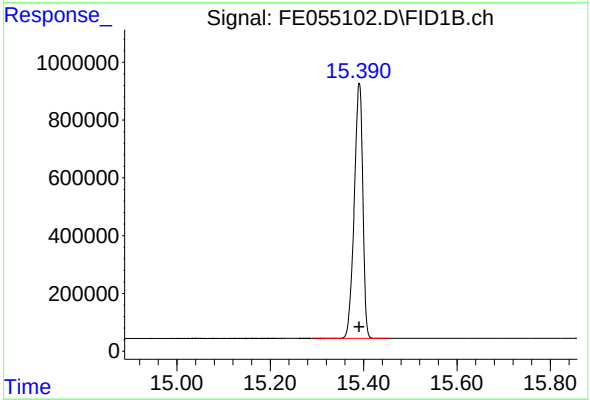
R.T.: 13.529 min
Delta R.T.: 0.000 min
Response: 10060078
Conc: 96.78 ug/ml



#13 n-Docosane (C22)

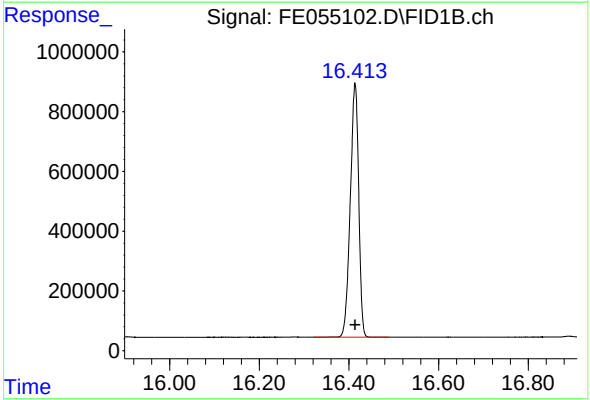
R.T.: 14.284 min
Delta R.T.: 0.000 min
Response: 11344173
Conc: 96.44 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



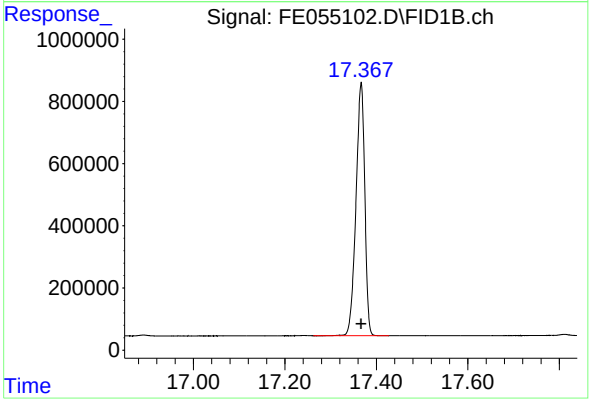
#14 n-Tetracosane (C24)

R.T.: 15.391 min
Delta R.T.: 0.000 min
Response: 11250576
Conc: 96.25 ug/ml



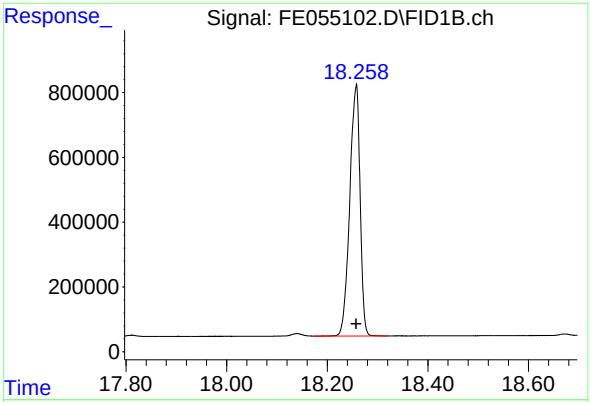
#15 n-Hexacosane (C26)

R.T.: 16.414 min
Delta R.T.: 0.000 min
Response: 11078971
Conc: 96.32 ug/ml



#16 n-Octacosane (C28)

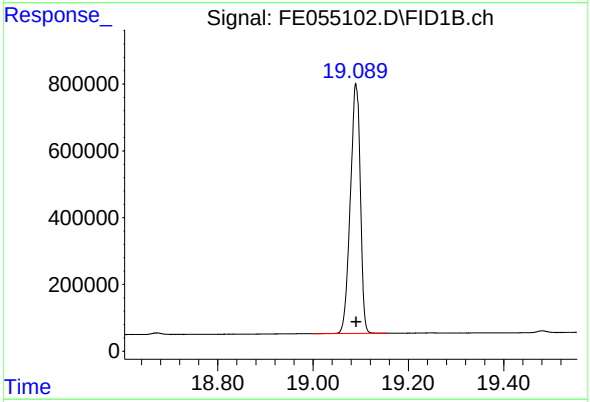
R.T.: 17.367 min
Delta R.T.: 0.000 min
Response: 10883206
Conc: 96.07 ug/ml



#17 n-Tricontane (C30)

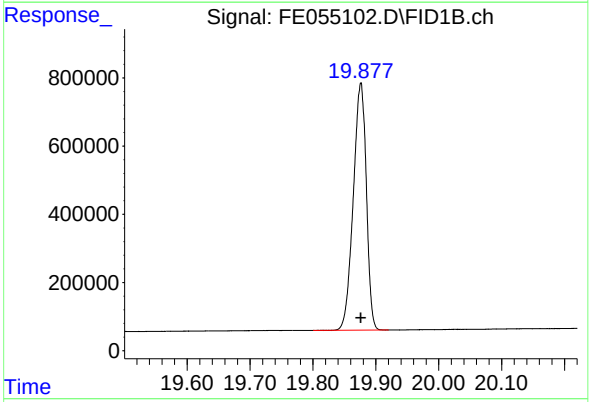
R.T.: 18.257 min
Delta R.T.: 0.000 min
Response: 11064265
Conc: 95.65 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



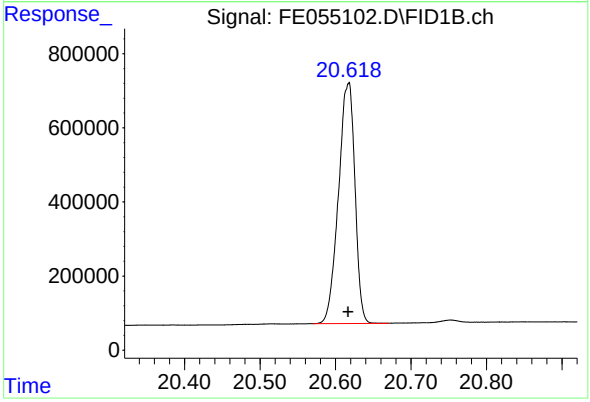
#18 n-Dotriacontane (C32)

R.T.: 19.090 min
Delta R.T.: 0.000 min
Response: 10837325
Conc: 95.89 ug/ml



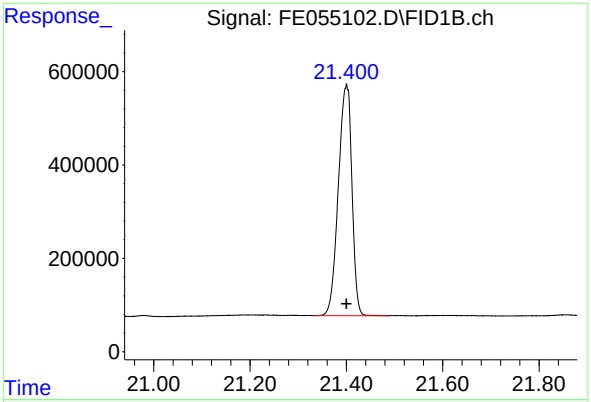
#19 n-Tetratriacontane (C34)

R.T.: 19.876 min
Delta R.T.: 0.000 min
Response: 10452018
Conc: 96.02 ug/ml



#20 n-Hexatriacontane (C36)

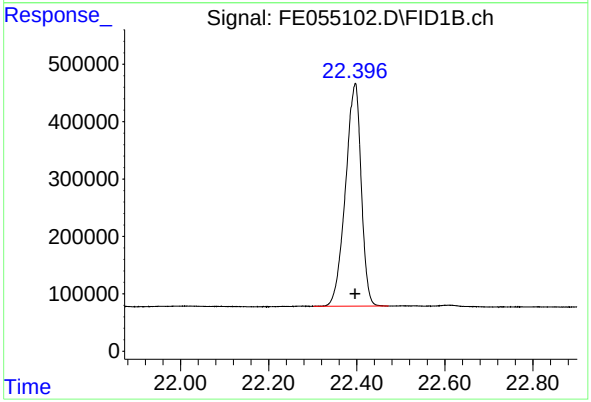
R.T.: 20.616 min
Delta R.T.: 0.000 min
Response: 9856874
Conc: 96.59 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.400 min
Delta R.T.: 0.000 min
Response: 9704662
Conc: 96.20 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.396 min
Delta R.T.: 0.000 min
Response: 9614855
Conc: 96.96 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055102.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:24
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.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	3.426	3.384	3.504	BB	1070986	10566449	79.69%	4.317%
2	4.686	4.647	4.765	BB	1091801	10785569	81.35%	4.407%
3	6.406	6.364	6.441	BV	1287901	12473805	94.08%	5.097%
4	6.863	6.802	6.930	BB	1111094	11056736	83.39%	4.518%
5	7.509	7.462	7.627	BV	1186565	12240152	92.32%	5.001%
6	8.700	8.635	8.804	BB	1051624	11258265	84.91%	4.600%
7	10.316	10.275	10.415	PB	1047662	11825841	89.19%	4.832%
8	11.768	11.717	11.820	VB	1049537	12080672	91.11%	4.936%
9	12.095	11.972	12.170	BB	1162473	13258959	100.00%	5.417%
10	13.081	13.040	13.142	PB	976332	11630709	87.72%	4.752%
11	13.529	13.442	13.609	BB	855859	10060078	75.87%	4.110%
12	13.696	13.654	13.757	PB	952985	11425255	86.17%	4.668%
13	14.284	14.185	14.354	BB	950759	11344173	85.56%	4.635%
14	15.391	15.292	15.454	BB	884285	11250576	84.85%	4.597%
15	16.414	16.320	16.489	BB	851287	11078971	83.56%	4.527%
16	17.367	17.262	17.427	BV	815166	10883206	82.08%	4.447%
17	18.257	18.172	18.322	VV	769818	11064265	83.45%	4.521%
18	19.090	19.000	19.159	BB	743160	10837325	81.74%	4.428%
19	19.876	19.800	19.920	BV	723914	10452018	78.83%	4.270%
20	20.617	20.570	20.670	BV	647925	9856874	74.34%	4.027%
21	21.400	21.331	21.488	BV	493523	9704662	73.19%	3.965%
22	22.396	22.301	22.472	BV	390989	9614855	72.52%	3.928%

Sum of corrected areas: 244749413

Aliphatic EPH 080125.M Fri Aug 01 15:06:37 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055103.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:54
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Aug 01 13:00:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 12:56:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.090	6842277	49.844 ug/ml
Spiked Amount	50.000		Recovery =	99.69%
12) S	1-chlorooctadecane (S...	13.525	5171408	49.833 ug/ml
Spiked Amount	50.000		Recovery =	99.67%
	Target Compounds			
1) T	n-Nonane (C9)	3.424	5514791	50.037 ug/ml
2) T	n-Decane (C10)	4.683	5622532	50.078 ug/ml
3) T	A~Naphthalene (C11.7)	6.403	6498529	50.117 ug/ml
4) T	n-Dodecane (C12)	6.859	5753858	50.087 ug/ml
5) T	A~2-methylnaphthalene...	7.505	6326213	49.992 ug/ml
6) T	n-Tetradecane (C14)	8.697	5858546	49.938 ug/ml
7) T	n-Hexadecane (C16)	10.312	6127256	49.909 ug/ml
8) T	n-Octadecane (C18)	11.763	6239947	49.819 ug/ml
10) T	n-Eicosane (C20)	13.077	5995916	49.766 ug/ml
11) T	n-Heneicosane (C21)	13.691	5891927	49.786 ug/ml
13) T	n-Docosane (C22)	14.280	5850962	49.826 ug/ml
14) T	n-Tetracosane (C24)	15.386	5809853	49.802 ug/ml
15) T	n-Hexacosane (C26)	16.410	5728334	49.869 ug/ml
16) T	n-Octacosane (C28)	17.363	5634944	49.826 ug/ml
17) T	n-Tricontane (C30)	18.252	5744409	49.775 ug/ml
18) T	n-Dotriacontane (C32)	19.086	5642852	49.951 ug/ml
19) T	n-Tetratriacontane (C34)	19.872	5420838	49.865 ug/ml
20) T	n-Hexatriacontane (C36)	20.611	5110739	50.053 ug/ml
21) T	n-Octatriacontane (C38)	21.394	5015684	49.811 ug/ml
22) T	n-Tetracontane (C40)	22.388	4974221	50.108 ug/ml

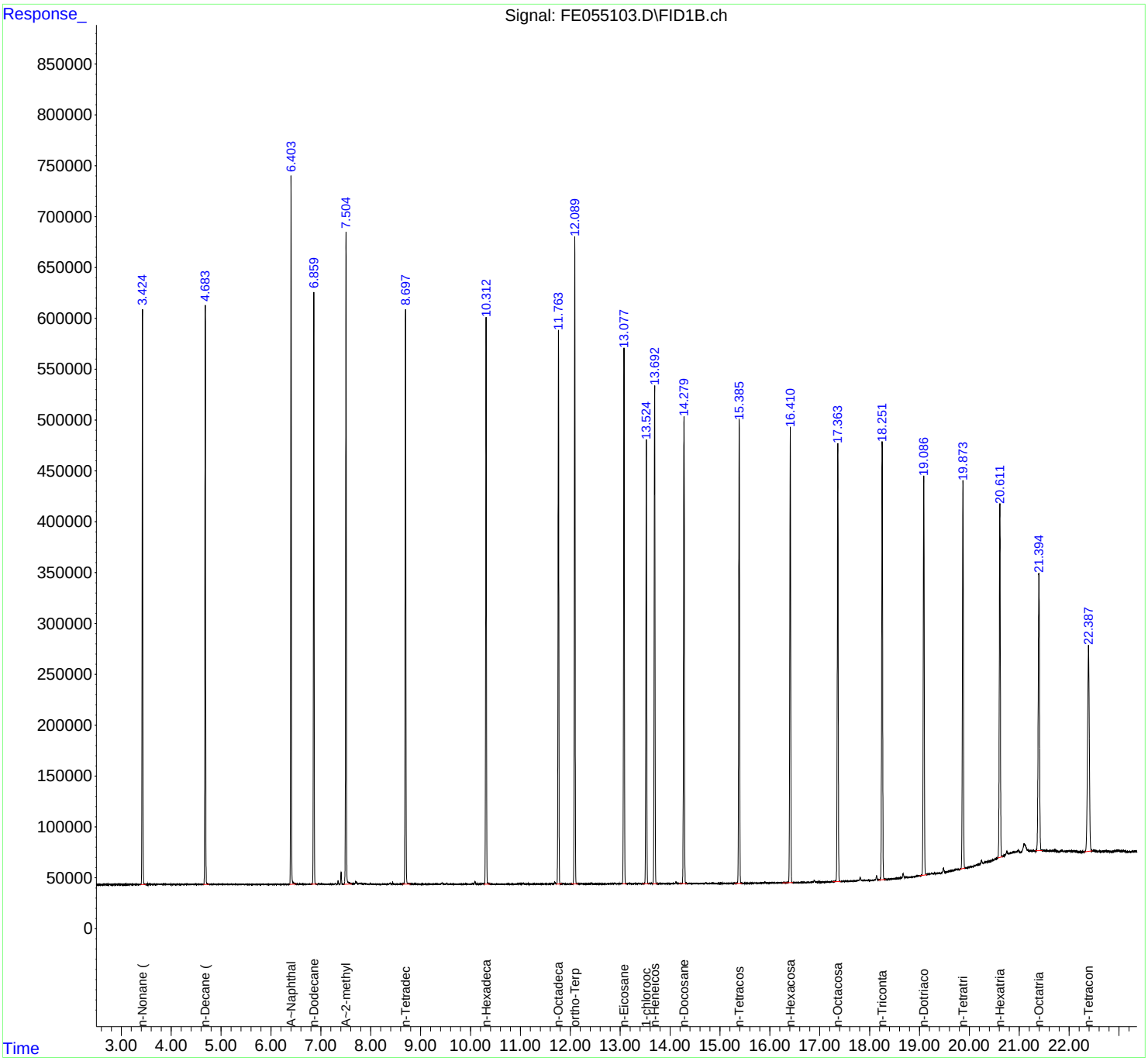
(f)=RT Delta > 1/2 Window (m)=manual int.

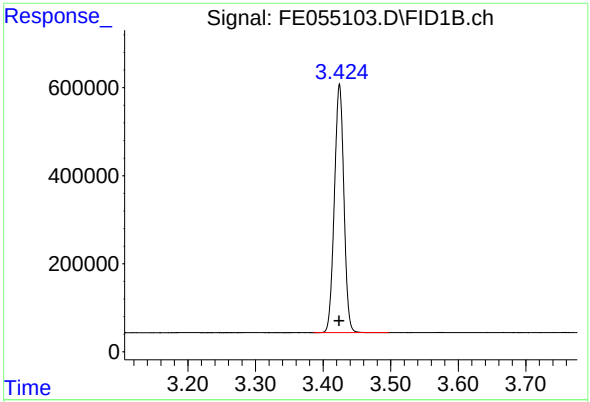
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055103.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:54
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Aug 01 13:00:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 12:56:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

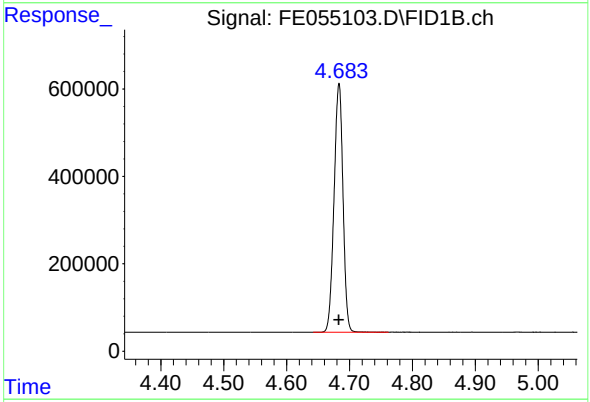




#1 n-Nonane (C9)

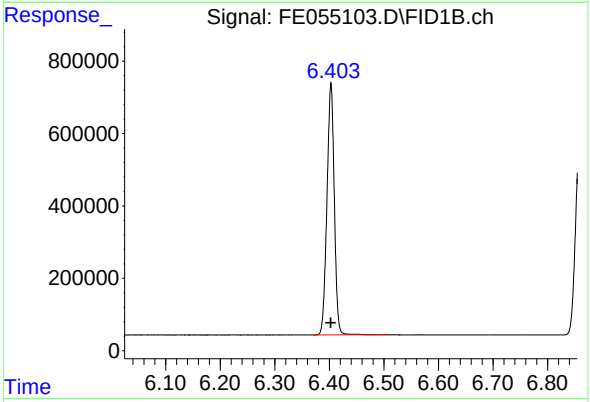
R.T.: 3.424 min
Delta R.T.: 0.000 min
Response: 5514791
Conc: 50.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



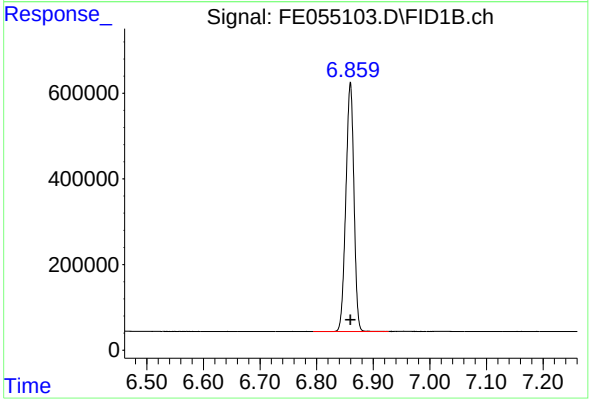
#2 n-Decane (C10)

R.T.: 4.683 min
Delta R.T.: 0.000 min
Response: 5622532
Conc: 50.08 ug/ml



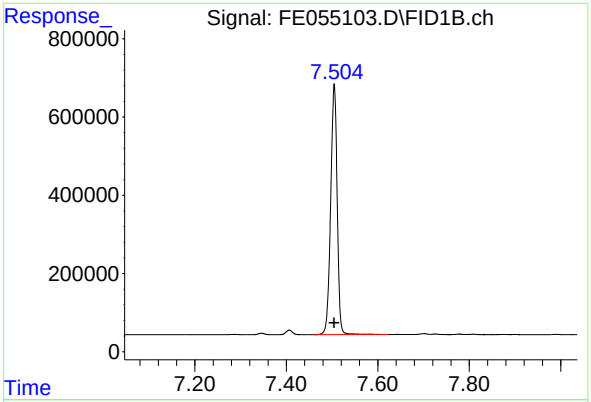
#3 A~Naphthalene (C11.7)

R.T.: 6.403 min
Delta R.T.: 0.000 min
Response: 6498529
Conc: 50.12 ug/ml



#4 n-Dodecane (C12)

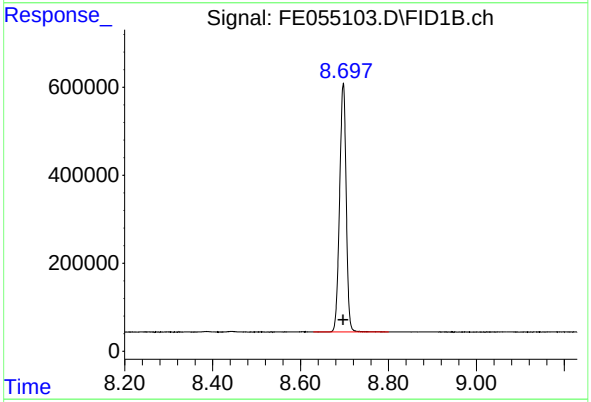
R.T.: 6.859 min
Delta R.T.: 0.000 min
Response: 5753858
Conc: 50.09 ug/ml



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

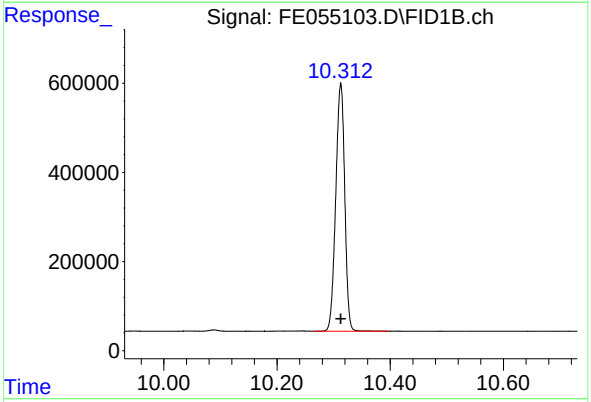
R.T.: 7.505 min
Delta R.T.: 0.000 min
Response: 6326213
Conc: 49.99 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



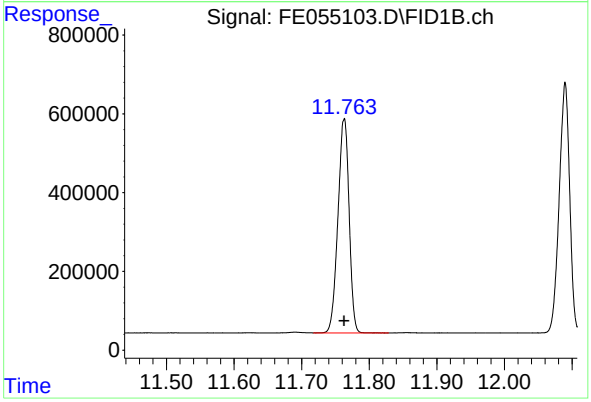
#6 n-Tetradecane (C14)

R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 5858546
Conc: 49.94 ug/ml



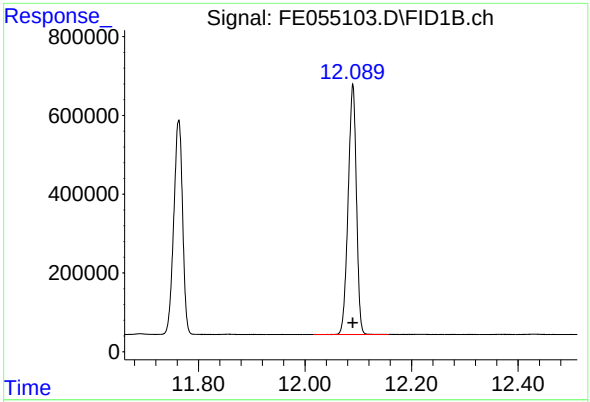
#7 n-Hexadecane (C16)

R.T.: 10.312 min
Delta R.T.: 0.000 min
Response: 6127256
Conc: 49.91 ug/ml



#8 n-Octadecane (C18)

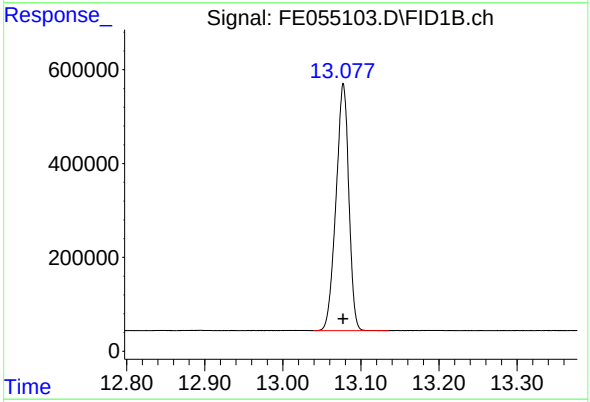
R.T.: 11.763 min
Delta R.T.: 0.000 min
Response: 6239947
Conc: 49.82 ug/ml



#9 ortho-Terphenyl (SURR)

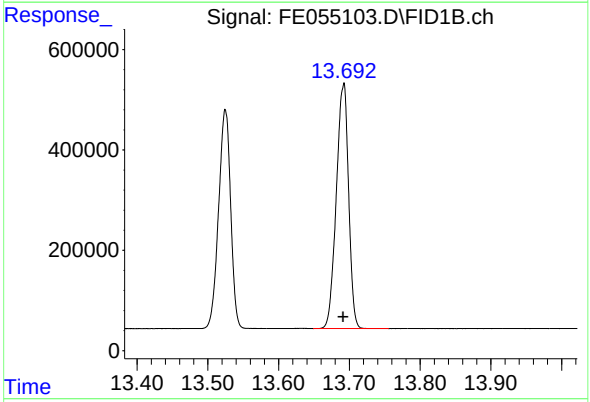
R.T.: 12.090 min
Delta R.T.: 0.000 min
Response: 6842277
Conc: 49.84 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



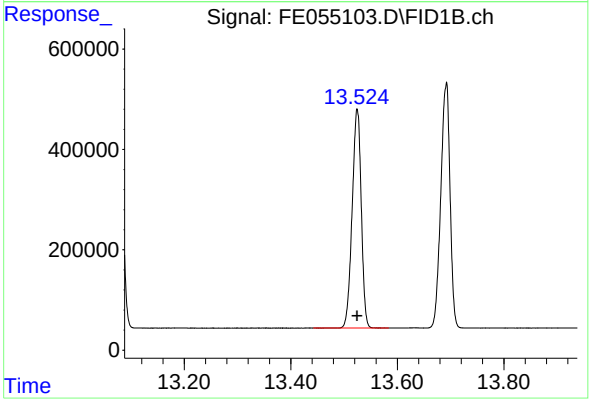
#10 n-Eicosane (C20)

R.T.: 13.077 min
Delta R.T.: 0.000 min
Response: 5995916
Conc: 49.77 ug/ml



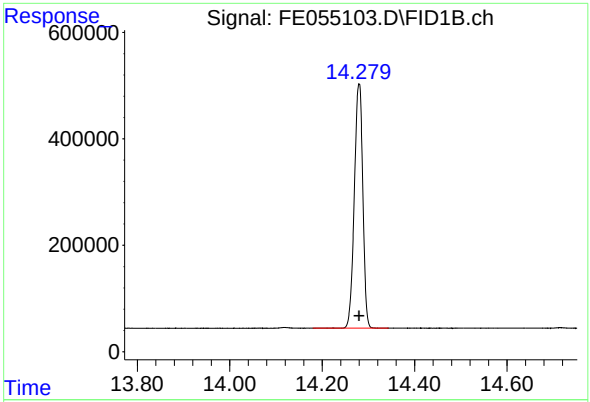
#11 n-Heneicosane (C21)

R.T.: 13.691 min
Delta R.T.: 0.000 min
Response: 5891927
Conc: 49.79 ug/ml



#12 1-chlorooctadecane (SURR)

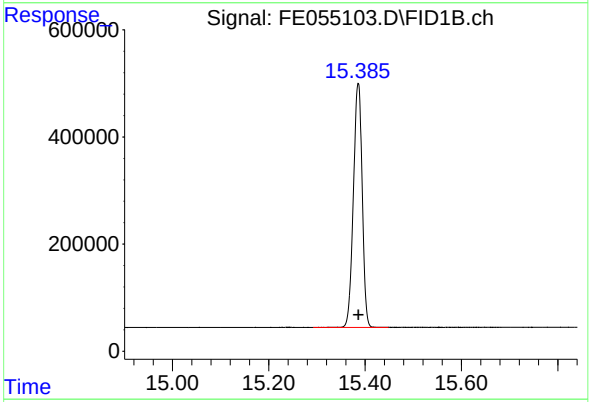
R.T.: 13.525 min
Delta R.T.: 0.000 min
Response: 5171408
Conc: 49.83 ug/ml



#13 n-Docosane (C22)

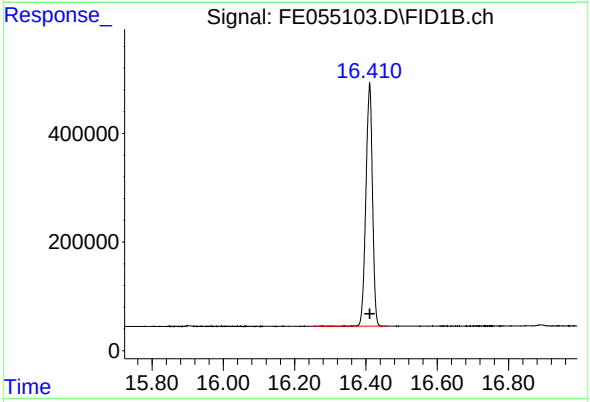
R.T.: 14.280 min
Delta R.T.: 0.000 min
Response: 5850962
Conc: 49.83 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



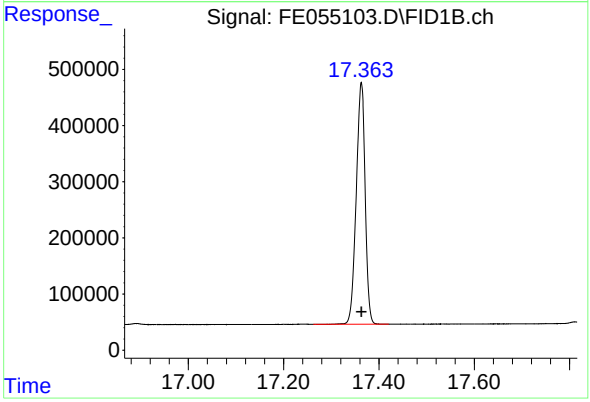
#14 n-Tetracosane (C24)

R.T.: 15.386 min
Delta R.T.: 0.000 min
Response: 5809853
Conc: 49.80 ug/ml



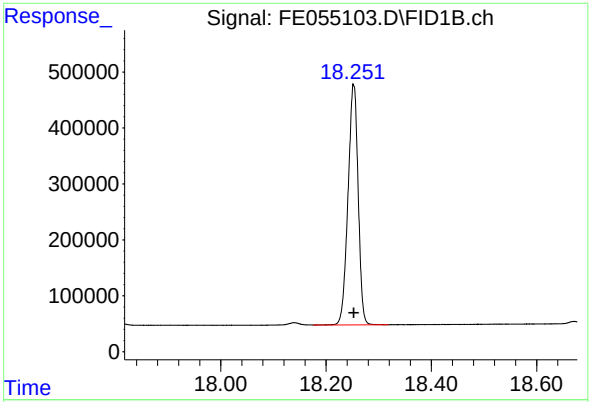
#15 n-Hexacosane (C26)

R.T.: 16.410 min
Delta R.T.: 0.000 min
Response: 5728334
Conc: 49.87 ug/ml



#16 n-Octacosane (C28)

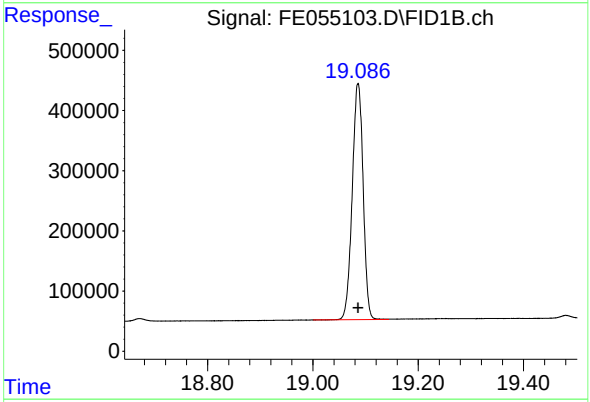
R.T.: 17.363 min
Delta R.T.: 0.000 min
Response: 5634944
Conc: 49.83 ug/ml



#17 n-Tricontane (C30)

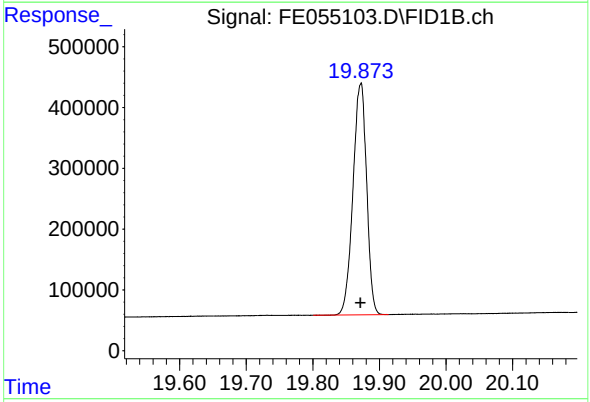
R.T.: 18.252 min
Delta R.T.: 0.000 min
Response: 5744409
Conc: 49.77 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



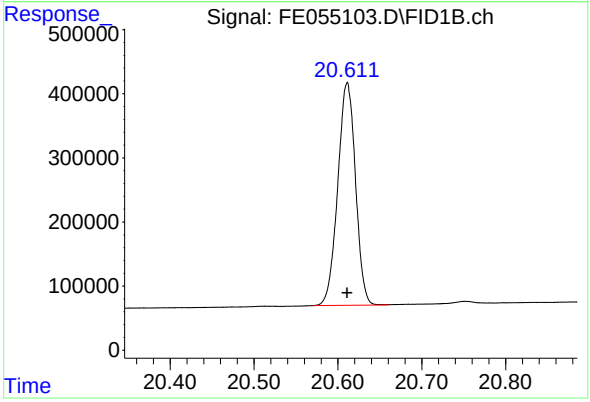
#18 n-Dotriacontane (C32)

R.T.: 19.086 min
Delta R.T.: 0.000 min
Response: 5642852
Conc: 49.95 ug/ml



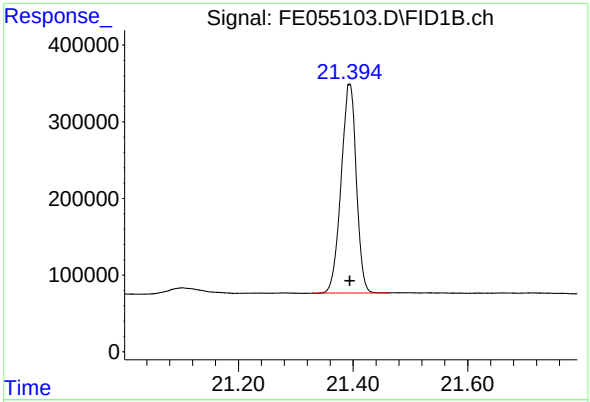
#19 n-Tetratriacontane (C34)

R.T.: 19.872 min
Delta R.T.: 0.000 min
Response: 5420838
Conc: 49.87 ug/ml



#20 n-Hexatriacontane (C36)

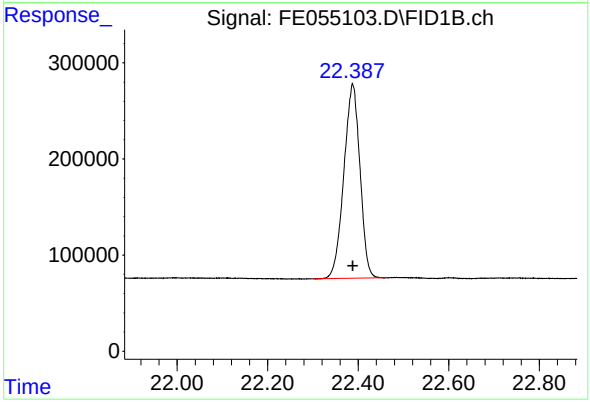
R.T.: 20.611 min
Delta R.T.: 0.000 min
Response: 5110739
Conc: 50.05 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.394 min
Delta R.T.: 0.000 min
Response: 5015684
Conc: 49.81 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.388 min
Delta R.T.: 0.000 min
Response: 4974221
Conc: 50.11 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055103.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:54
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.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	3.424	3.385	3.497	BB	563993	5514791	80.60%	4.350%
2	4.683	4.642	4.762	BB	572237	5622532	82.17%	4.435%
3	6.403	6.370	6.509	BB	697210	6498529	94.98%	5.126%
4	6.859	6.794	6.927	BB	579388	5753858	84.09%	4.539%
5	7.505	7.459	7.624	BV	640818	6326213	92.46%	4.990%
6	8.697	8.629	8.800	BB	563836	5858546	85.62%	4.621%
7	10.312	10.264	10.397	PB	554501	6127256	89.55%	4.833%
8	11.763	11.717	11.829	VB	543106	6239947	91.20%	4.922%
9	12.090	12.015	12.157	BB	638056	6842277	100.00%	5.397%
10	13.077	13.039	13.135	PB	527247	5995916	87.63%	4.730%
11	13.525	13.442	13.584	BB	435482	5171408	75.58%	4.079%
12	13.691	13.649	13.755	PB	488862	5891927	86.11%	4.648%
13	14.280	14.180	14.344	BB	459818	5850962	85.51%	4.615%
14	15.386	15.292	15.449	BB	456155	5809853	84.91%	4.583%
15	16.410	16.252	16.464	BB	448448	5728334	83.72%	4.518%
16	17.363	17.262	17.420	BB	429672	5634944	82.35%	4.445%
17	18.252	18.175	18.319	PB	429799	5744409	83.95%	4.531%
18	19.086	19.000	19.144	BV	392159	5642852	82.47%	4.451%
19	19.872	19.800	19.914	BV	380396	5420838	79.23%	4.276%
20	20.611	20.570	20.660	BV	346747	5110739	74.69%	4.031%
21	21.394	21.330	21.462	BB	272074	5015684	73.30%	3.956%
22	22.388	22.300	22.467	BV	202367	4974221	72.70%	3.924%

Sum of corrected areas: 126776034

Aliphatic EPH 080125.M Fri Aug 01 15:05:23 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055104.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:25
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Aug 01 12:57:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 12:56:55 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)	12.087	2847777	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12)	S 1-chlorooctadecane (S...	13.522	2145943	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1)	T n-Nonane (C9)	3.423	2293663	20.000 ug/ml
2)	T n-Decane (C10)	4.682	2330344	20.000 ug/ml
3)	T A~Naphthalene (C11.7)	6.401	2685834	20.000 ug/ml
4)	T n-Dodecane (C12)	6.857	2379703	20.000 ug/ml
5)	T A~2-methylnaphthalene...	7.502	2614202	20.000 ug/ml
6)	T n-Tetradecane (C14)	8.695	2443850	20.000 ug/ml
7)	T n-Hexadecane (C16)	10.310	2550070	20.000 ug/ml
8)	T n-Octadecane (C18)	11.759	2603047	20.000 ug/ml
10)	T n-Eicosane (C20)	13.074	2504470	20.000 ug/ml
11)	T n-Heneicosane (C21)	13.688	2458940	20.000 ug/ml
13)	T n-Docosane (C22)	14.277	2436487	20.000 ug/ml
14)	T n-Tetracosane (C24)	15.383	2425424	20.000 ug/ml
15)	T n-Hexacosane (C26)	16.407	2384923	20.000 ug/ml
16)	T n-Octacosane (C28)	17.359	2354861	20.000 ug/ml
17)	T n-Tricontane (C30)	18.249	2413903	20.000 ug/ml
18)	T n-Dotriacontane (C32)	19.083	2353404	20.000 ug/ml
19)	T n-Tetratriacontane (C34)	19.868	2263836	20.000 ug/ml
20)	T n-Hexatriacontane (C36)	20.609	2110743	20.000 ug/ml
21)	T n-Octatriacontane (C38)	21.389	2094471	20.000 ug/ml
22)	T n-Tetracontane (C40)	22.384	2043499	20.000 ug/ml

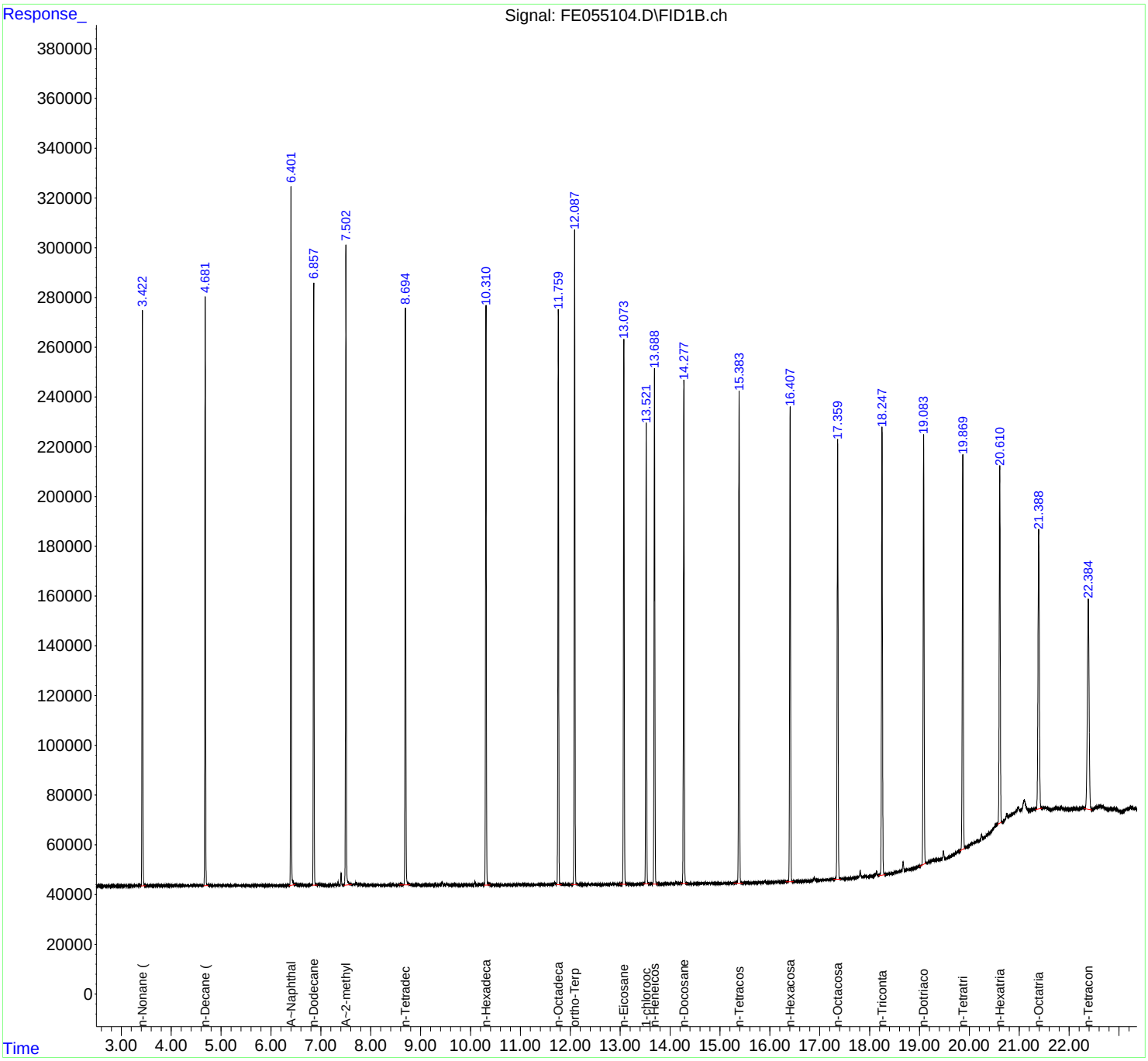
(f)=RT Delta > 1/2 Window (m)=manual int.

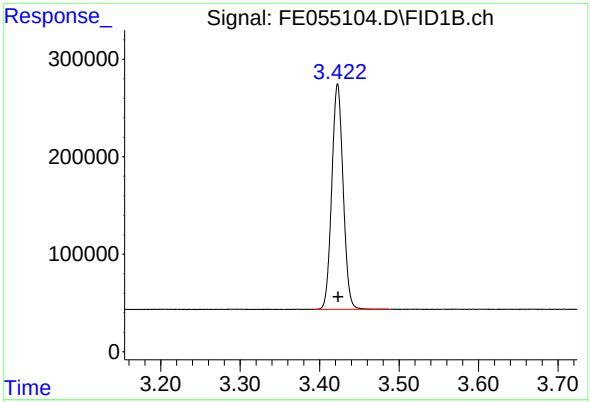
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055104.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:25
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Aug 01 12:57:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 12:56:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

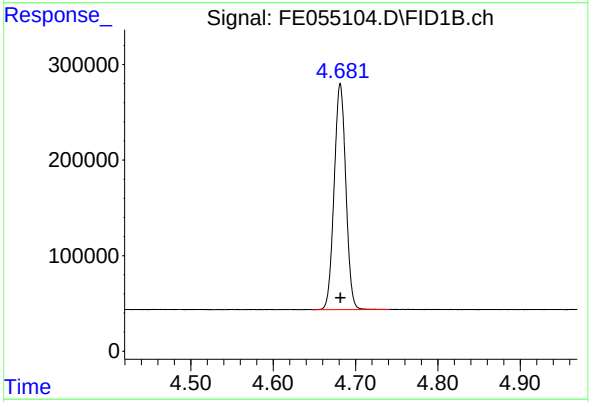




#1 n-Nonane (C9)

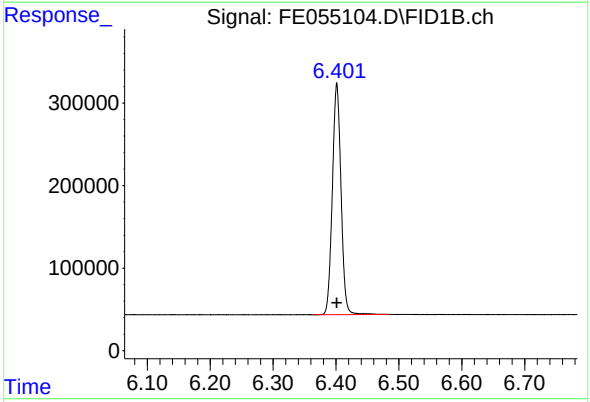
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 2293663
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



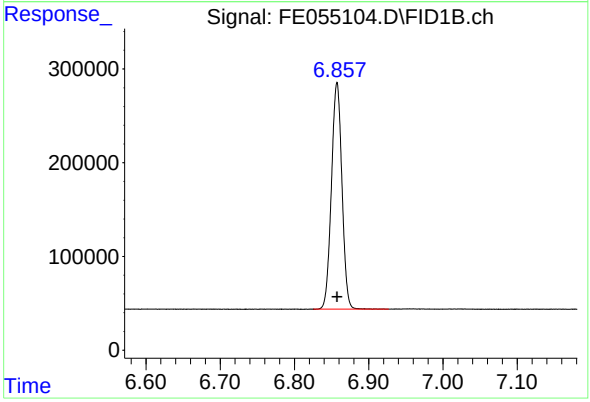
#2 n-Decane (C10)

R.T.: 4.682 min
Delta R.T.: 0.000 min
Response: 2330344
Conc: 20.00 ug/ml



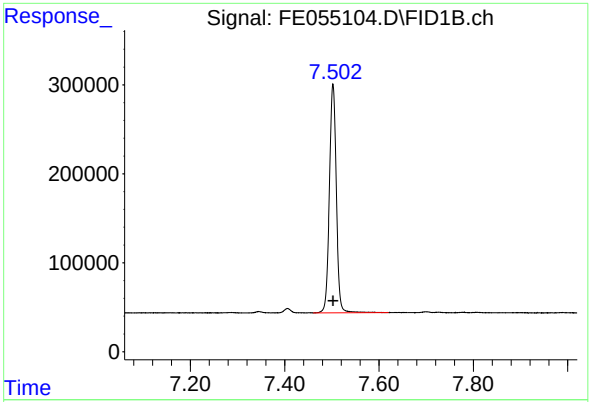
#3 A~Naphthalene (C11.7)

R.T.: 6.401 min
Delta R.T.: 0.000 min
Response: 2685834
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

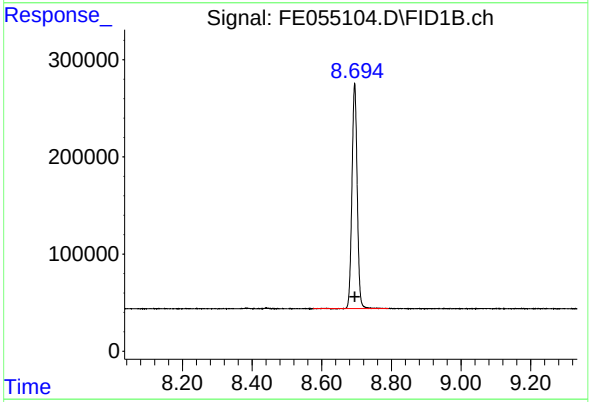
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 2379703
Conc: 20.00 ug/ml



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

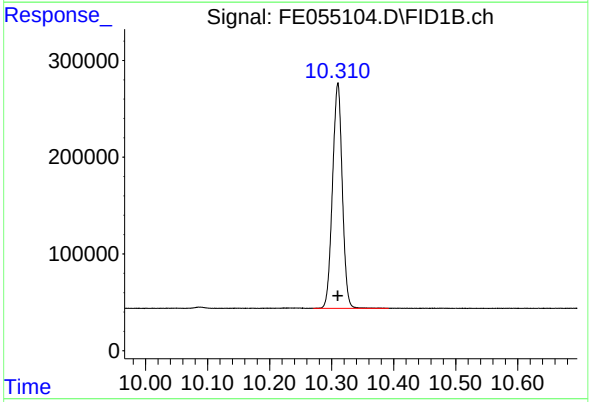
R.T.: 7.502 min
Delta R.T.: 0.000 min
Response: 2614202
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



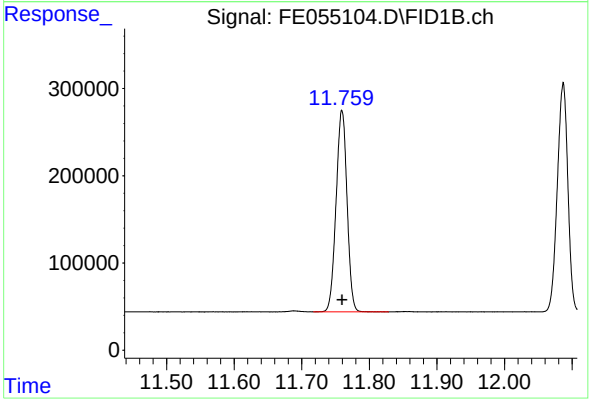
#6 n-Tetradecane (C14)

R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 2443850
Conc: 20.00 ug/ml



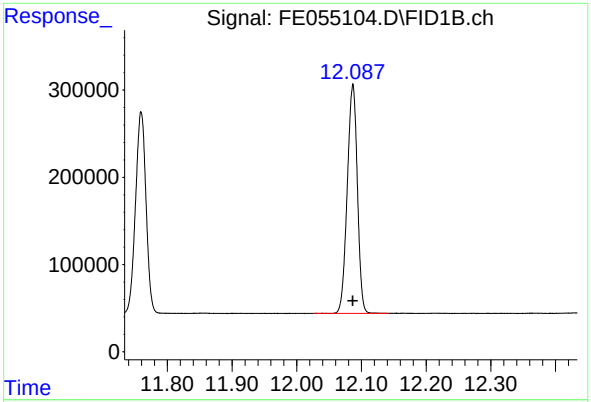
#7 n-Hexadecane (C16)

R.T.: 10.310 min
Delta R.T.: 0.000 min
Response: 2550070
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

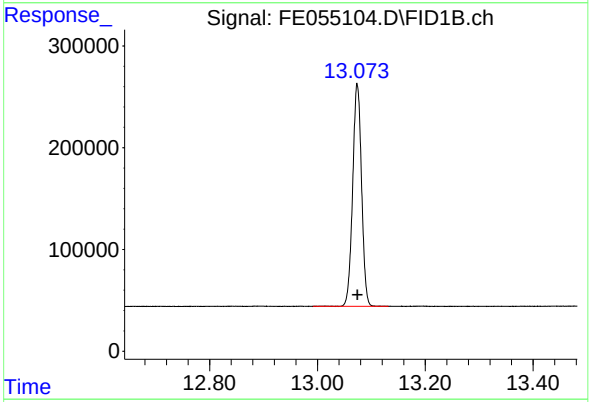
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 2603047
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

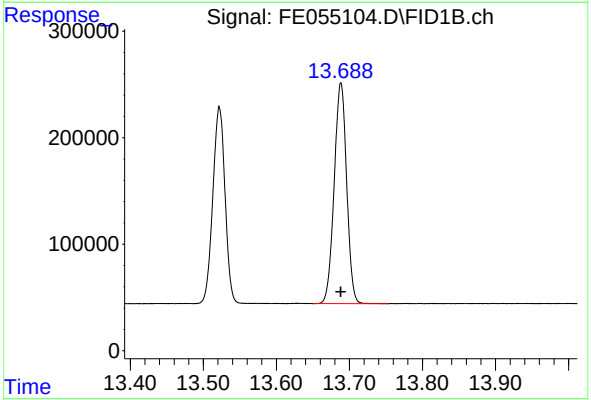
R.T.: 12.087 min
Delta R.T.: 0.000 min
Response: 2847777
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



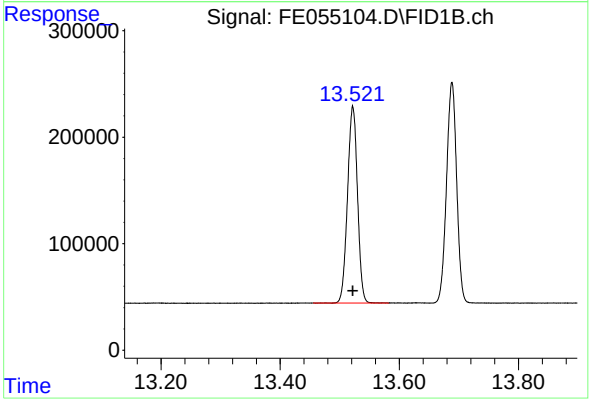
#10 n-Eicosane (C20)

R.T.: 13.074 min
Delta R.T.: 0.000 min
Response: 2504470
Conc: 20.00 ug/ml



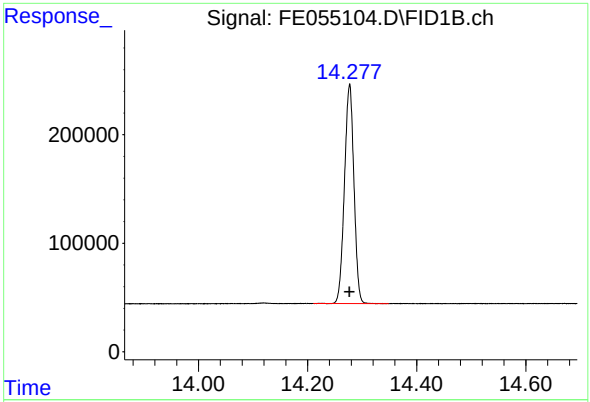
#11 n-Heneicosane (C21)

R.T.: 13.688 min
Delta R.T.: 0.000 min
Response: 2458940
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

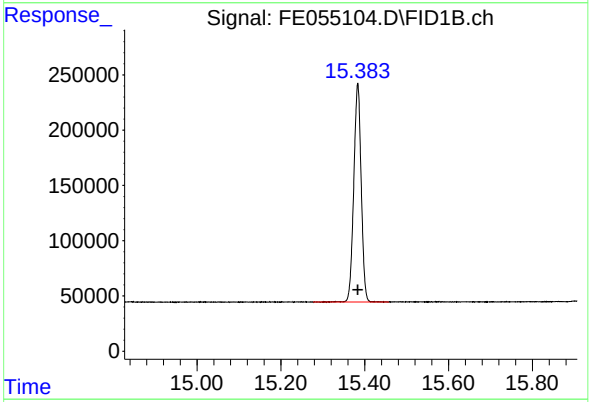
R.T.: 13.522 min
Delta R.T.: 0.000 min
Response: 2145943
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

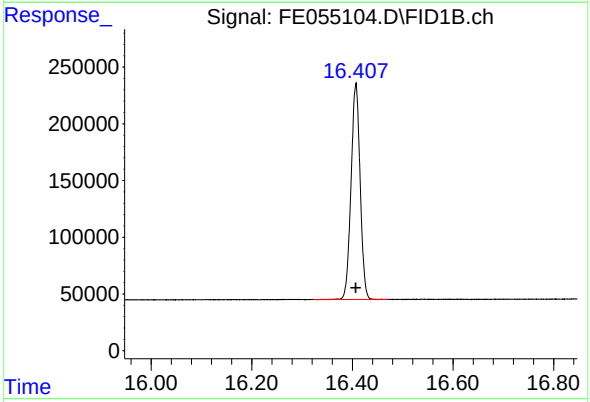
R.T.: 14.277 min
Delta R.T.: 0.000 min
Response: 2436487
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



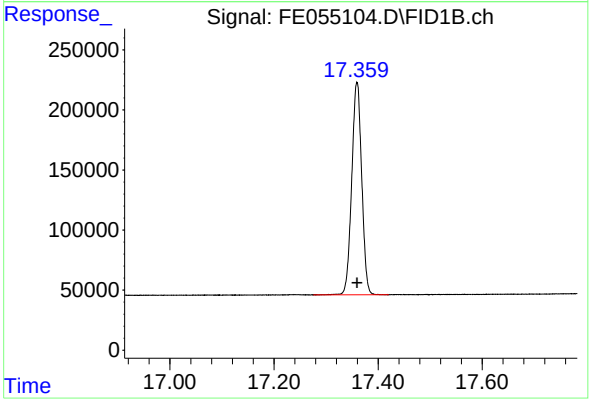
#14 n-Tetracosane (C24)

R.T.: 15.383 min
Delta R.T.: 0.000 min
Response: 2425424
Conc: 20.00 ug/ml



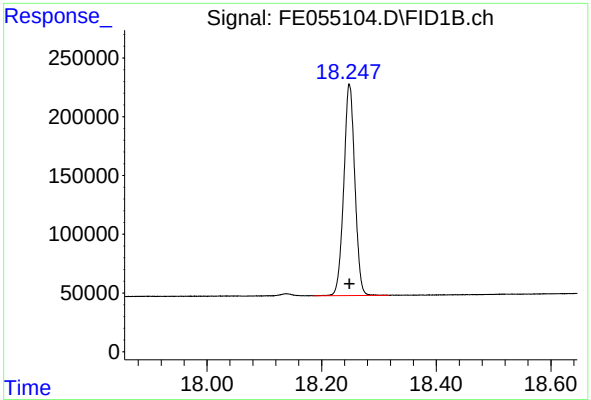
#15 n-Hexacosane (C26)

R.T.: 16.407 min
Delta R.T.: 0.000 min
Response: 2384923
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

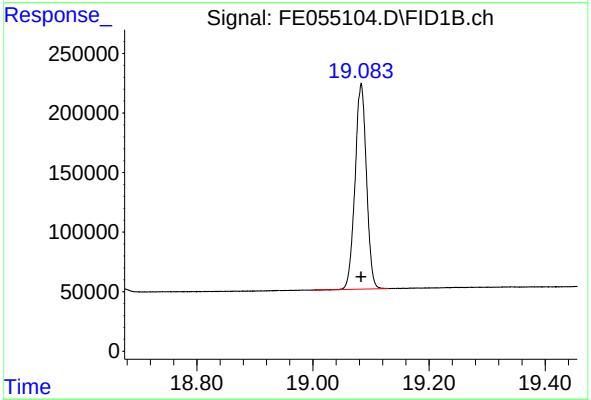
R.T.: 17.359 min
Delta R.T.: 0.000 min
Response: 2354861
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

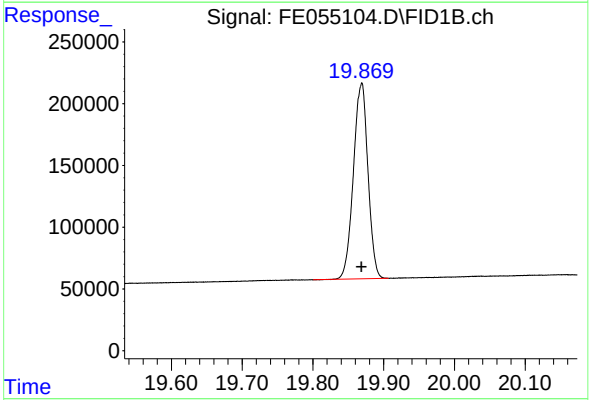
R.T.: 18.249 min
Delta R.T.: 0.000 min
Response: 2413903
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



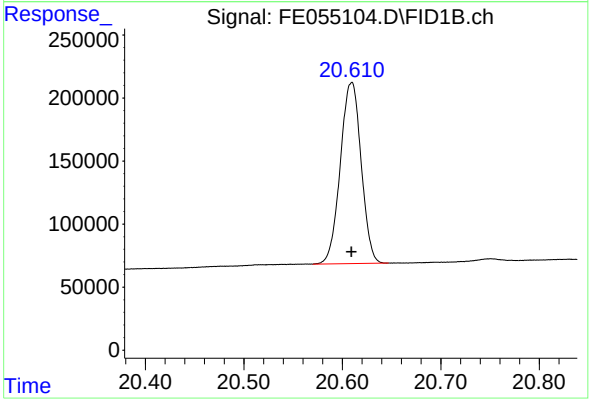
#18 n-Dotriacontane (C32)

R.T.: 19.083 min
Delta R.T.: 0.000 min
Response: 2353404
Conc: 20.00 ug/ml



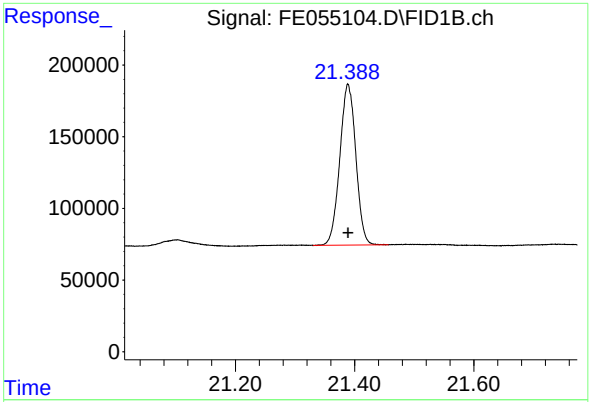
#19 n-Tetratriacontane (C34)

R.T.: 19.868 min
Delta R.T.: 0.000 min
Response: 2263836
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

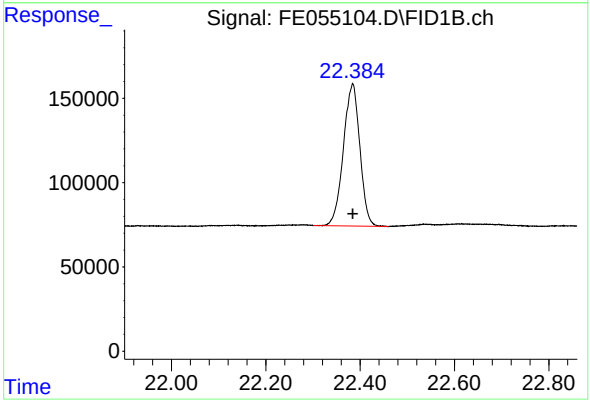
R.T.: 20.609 min
Delta R.T.: 0.000 min
Response: 2110743
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.389 min
Delta R.T.: 0.000 min
Response: 2094471
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.384 min
Delta R.T.: 0.000 min
Response: 2043499
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055104.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:25
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.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	3.392	3.487	BB	231134	2293663	80.54%	4.349%
2	4.682	4.649	4.740	BB	236437	2330344	81.83%	4.419%
3	6.401	6.364	6.484	BB	280151	2685834	94.31%	5.093%
4	6.857	6.825	6.927	BB	241634	2379703	83.56%	4.512%
5	7.502	7.460	7.620	BB	257118	2614202	91.80%	4.957%
6	8.695	8.575	8.792	BB	232754	2443850	85.82%	4.634%
7	10.310	10.270	10.392	BB	233592	2550070	89.55%	4.835%
8	11.759	11.717	11.829	VB	230527	2603047	91.41%	4.936%
9	12.087	12.025	12.142	BB	263143	2847777	100.00%	5.400%
10	13.074	12.992	13.132	BB	218561	2504470	87.94%	4.749%
11	13.522	13.455	13.582	BB	184792	2145943	75.36%	4.069%
12	13.688	13.650	13.754	PB	207585	2458940	86.35%	4.662%
13	14.277	14.210	14.349	BB	202172	2436487	85.56%	4.620%
14	15.383	15.277	15.457	BB	197958	2425424	85.17%	4.599%
15	16.407	16.322	16.472	BB	189955	2384923	83.75%	4.522%
16	17.359	17.275	17.420	BB	176840	2354861	82.69%	4.465%
17	18.249	18.185	18.317	BB	179452	2413903	84.76%	4.577%
18	19.083	19.000	19.130	BB	173090	2353404	82.64%	4.462%
19	19.868	19.800	19.907	BV	158176	2263836	79.49%	4.292%
20	20.609	20.570	20.647	BV	143250	2110743	74.12%	4.002%
21	21.389	21.330	21.457	BB	112406	2094471	73.55%	3.971%
22	22.384	22.300	22.460	BV	84561	2043499	71.76%	3.875%
			Sum of corrected areas:			52739394		

Aliphatic EPH 080125.M Fri Aug 01 15:04:37 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055105.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:55
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Aug 01 13:19:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:19:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.085	1465719	10.499 ug/ml
Spiked Amount	50.000		Recovery =	21.00%
12) S	1-chlorooctadecane (S...	13.521	1101100	10.451 ug/ml
Spiked Amount	50.000		Recovery =	20.90%
	Target Compounds			
1) T	n-Nonane (C9)	3.423	1173056	10.475 ug/ml
2) T	n-Decane (C10)	4.681	1191456	10.452 ug/ml
3) T	A~Naphthalene (C11.7)	6.401	1371559	10.427 ug/ml
4) T	n-Dodecane (C12)	6.857	1212805	10.412 ug/ml
5) T	A~2-methylnaphthalene...	7.502	1327736	10.365 ug/ml
6) T	n-Tetradecane (C14)	8.694	1256245	10.522 ug/ml
7) T	n-Hexadecane (C16)	10.309	1306485	10.474 ug/ml
8) T	n-Octadecane (C18)	11.759	1339624	10.513 ug/ml
10) T	n-Eicosane (C20)	13.073	1290714	10.525 ug/ml
11) T	n-Heneicosane (C21)	13.687	1263179	10.497 ug/ml
13) T	n-Docosane (C22)	14.275	1252588	10.492 ug/ml
14) T	n-Tetracosane (C24)	15.382	1249742	10.525 ug/ml
15) T	n-Hexacosane (C26)	16.406	1228030	10.509 ug/ml
16) T	n-Octacosane (C28)	17.358	1218469	10.570 ug/ml
17) T	n-Tricontane (C30)	18.248	1265398	10.706 ug/ml
18) T	n-Dotriacontane (C32)	19.082	1247513	10.762 ug/ml
19) T	n-Tetratriacontane (C34)	19.866	1189288	10.689 ug/ml
20) T	n-Hexatriacontane (C36)	20.607	1108488	10.629 ug/ml
21) T	n-Octatriacontane (C38)	21.389	1141544	10.970 ug/ml
22) T	n-Tetracontane (C40)	22.381	1072991	10.595 ug/ml

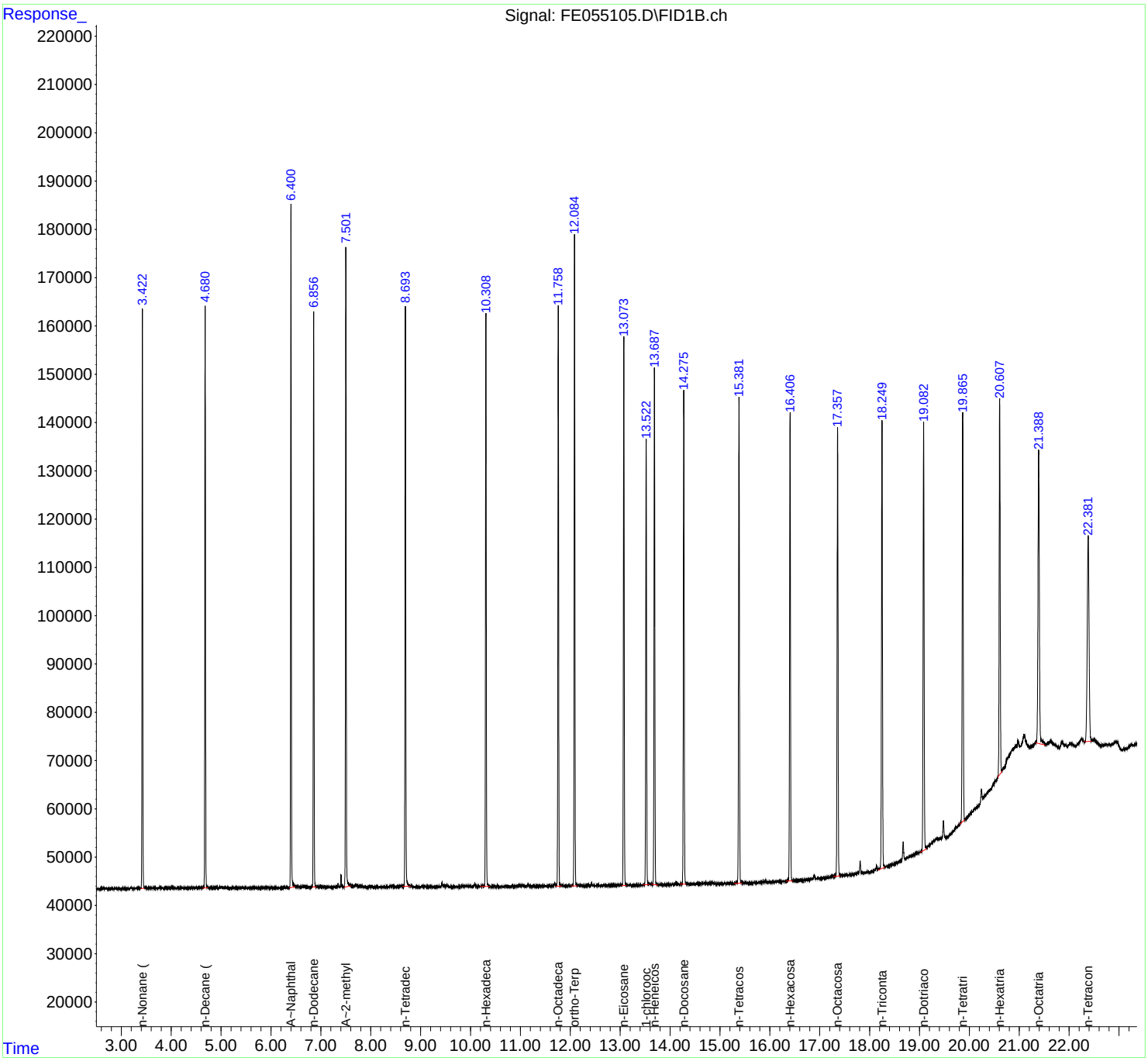
(f)=RT Delta > 1/2 Window (m)=manual int.

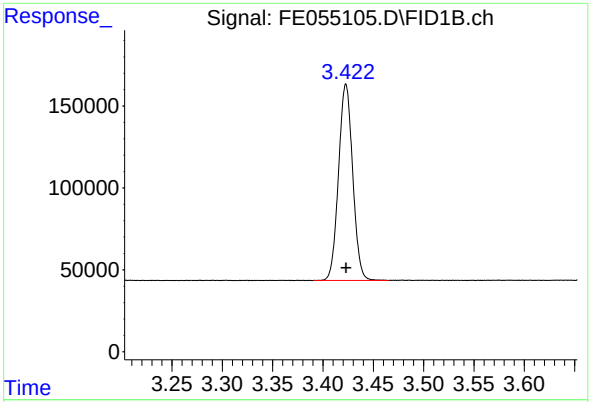
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055105.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:55
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Aug 01 13:19:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:19:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

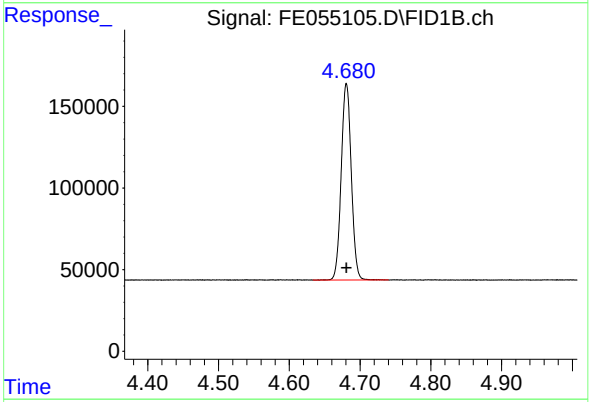




#1 n-Nonane (C9)

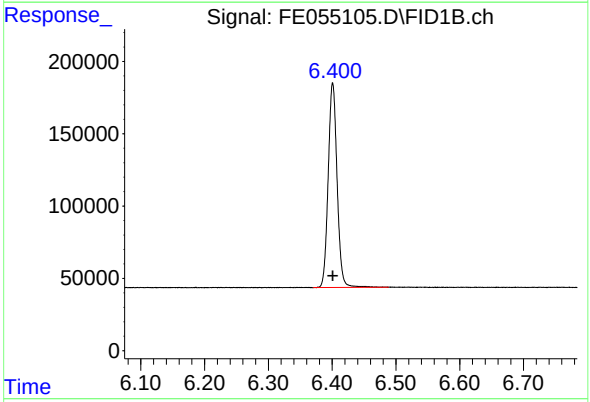
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 1173056
Conc: 10.47 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



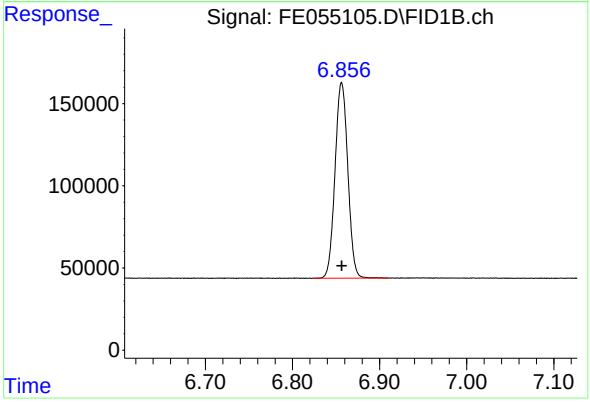
#2 n-Decane (C10)

R.T.: 4.681 min
Delta R.T.: 0.000 min
Response: 1191456
Conc: 10.45 ug/ml



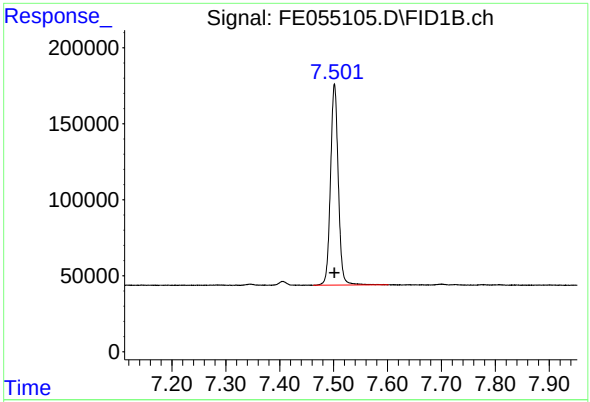
#3 A~Naphthalene (C11.7)

R.T.: 6.401 min
Delta R.T.: 0.000 min
Response: 1371559
Conc: 10.43 ug/ml



#4 n-Dodecane (C12)

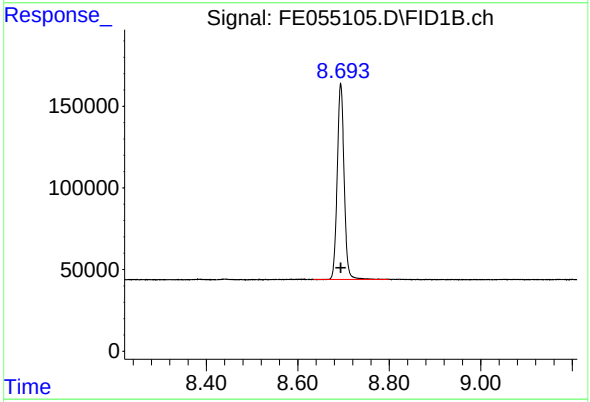
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 1212805
Conc: 10.41 ug/ml



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

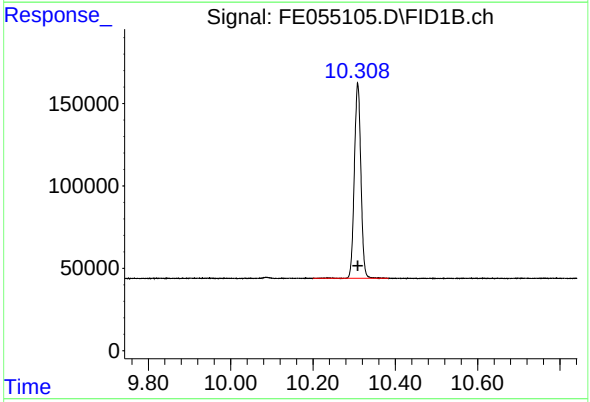
R.T.: 7.502 min
Delta R.T.: 0.000 min
Response: 1327736
Conc: 10.36 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



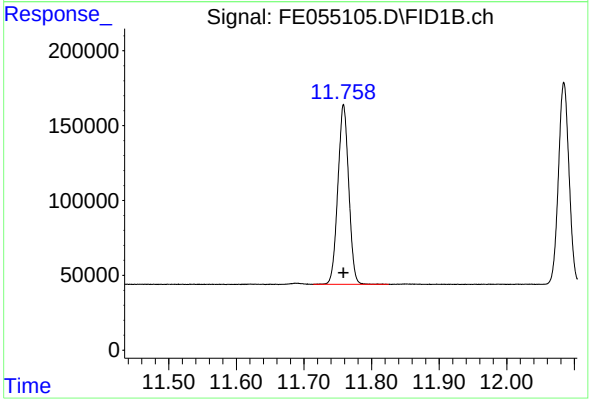
#6 n-Tetradecane (C14)

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 1256245
Conc: 10.52 ug/ml



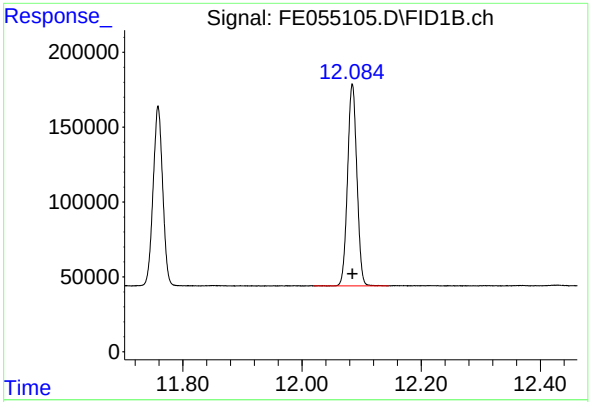
#7 n-Hexadecane (C16)

R.T.: 10.309 min
Delta R.T.: 0.000 min
Response: 1306485
Conc: 10.47 ug/ml



#8 n-Octadecane (C18)

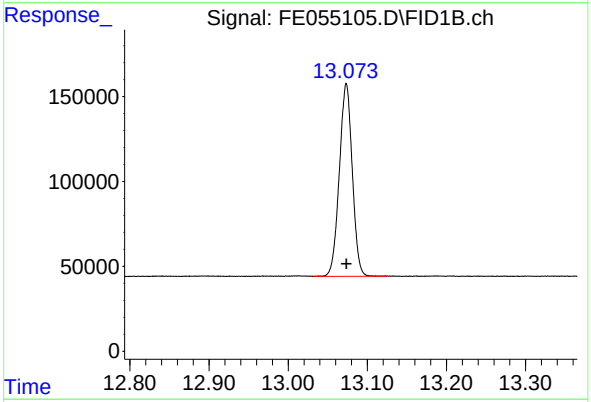
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 1339624
Conc: 10.51 ug/ml



#9 ortho-Terphenyl (SURR)

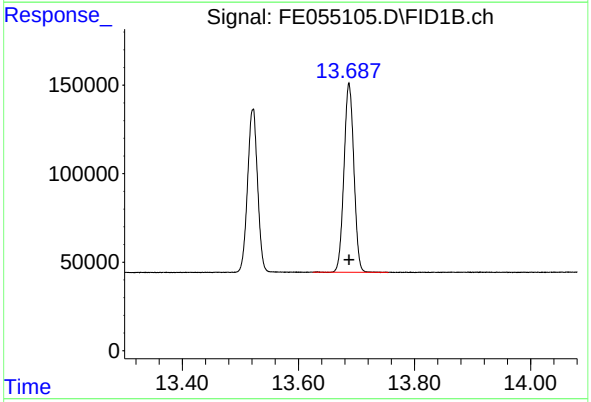
R.T.: 12.085 min
Delta R.T.: 0.000 min
Response: 1465719
Conc: 10.50 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



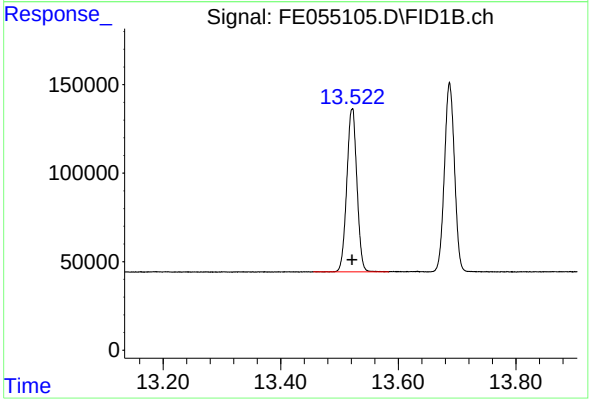
#10 n-Eicosane (C20)

R.T.: 13.073 min
Delta R.T.: 0.000 min
Response: 1290714
Conc: 10.53 ug/ml



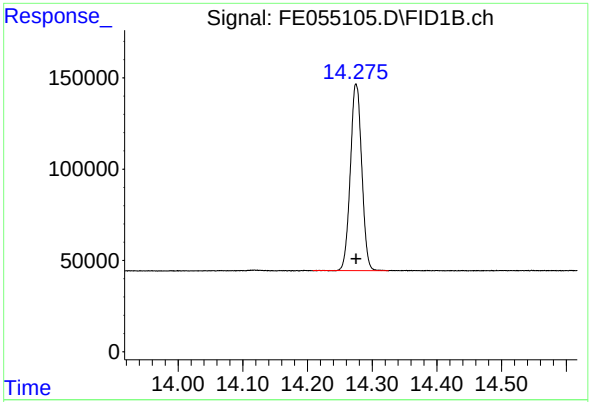
#11 n-Heneicosane (C21)

R.T.: 13.687 min
Delta R.T.: 0.000 min
Response: 1263179
Conc: 10.50 ug/ml



#12 1-chlorooctadecane (SURR)

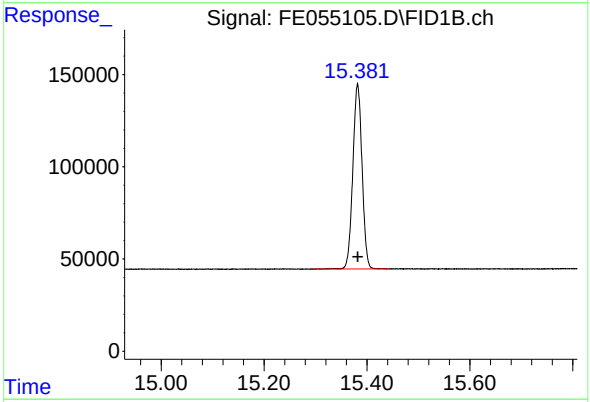
R.T.: 13.521 min
Delta R.T.: 0.000 min
Response: 1101100
Conc: 10.45 ug/ml



#13 n-Docosane (C22)

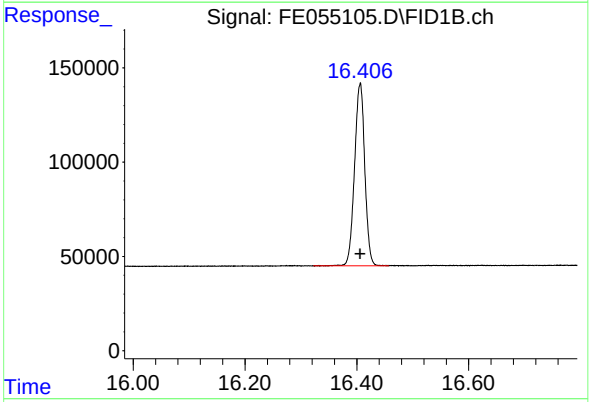
R.T.: 14.275 min
Delta R.T.: 0.000 min
Response: 1252588
Conc: 10.49 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



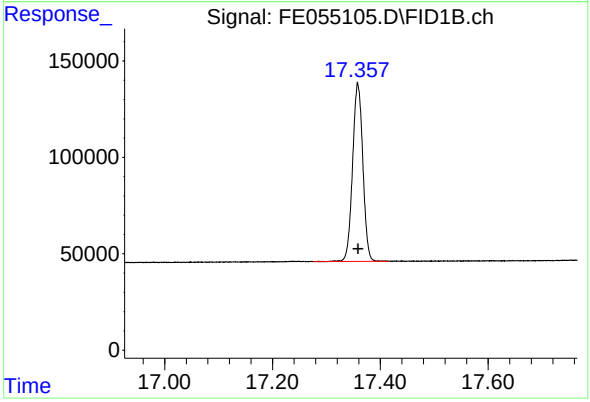
#14 n-Tetracosane (C24)

R.T.: 15.382 min
Delta R.T.: 0.000 min
Response: 1249742
Conc: 10.53 ug/ml



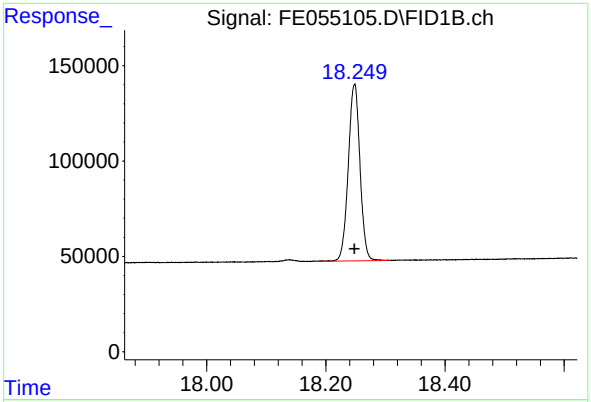
#15 n-Hexacosane (C26)

R.T.: 16.406 min
Delta R.T.: 0.000 min
Response: 1228030
Conc: 10.51 ug/ml



#16 n-Octacosane (C28)

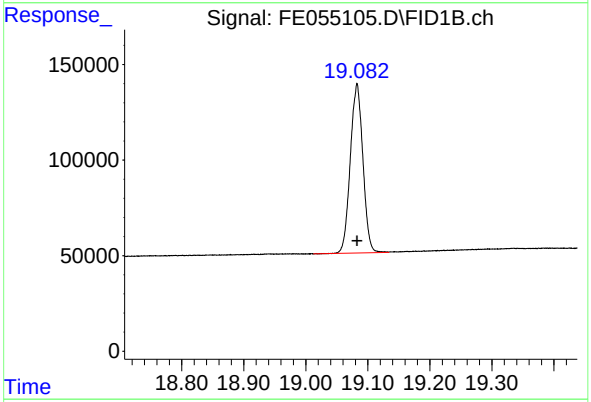
R.T.: 17.358 min
Delta R.T.: 0.000 min
Response: 1218469
Conc: 10.57 ug/ml



#17 n-Tricontane (C30)

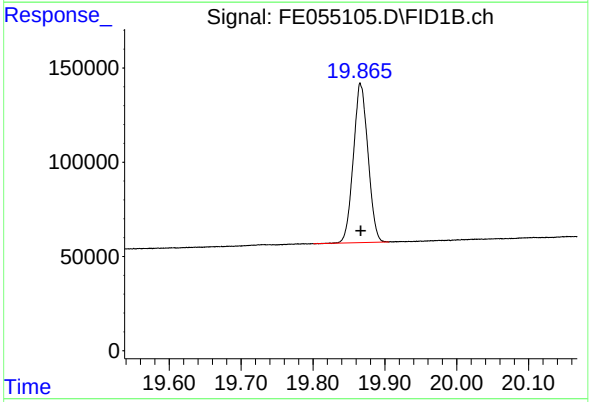
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 1265398
Conc: 10.71 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



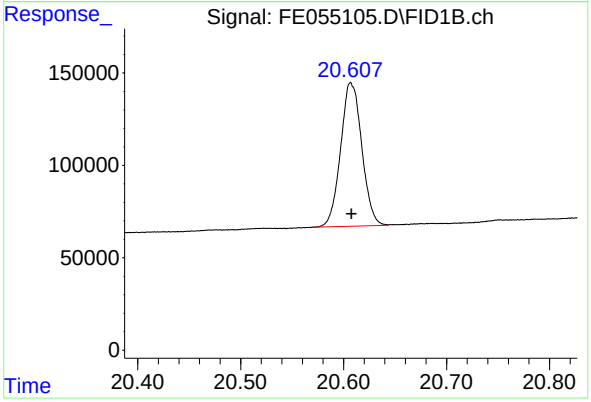
#18 n-Dotriacontane (C32)

R.T.: 19.082 min
Delta R.T.: 0.000 min
Response: 1247513
Conc: 10.76 ug/ml



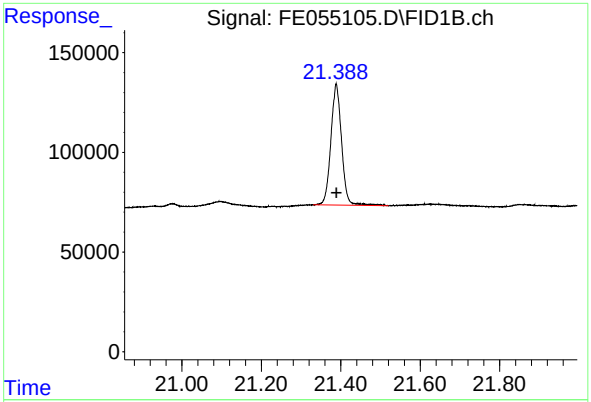
#19 n-Tetratriacontane (C34)

R.T.: 19.866 min
Delta R.T.: 0.000 min
Response: 1189288
Conc: 10.69 ug/ml



#20 n-Hexatriacontane (C36)

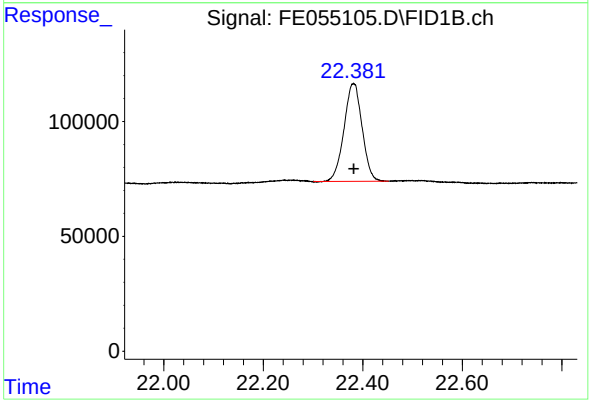
R.T.: 20.607 min
Delta R.T.: 0.000 min
Response: 1108488
Conc: 10.63 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.389 min
Delta R.T.: 0.000 min
Response: 1141544
Conc: 10.97 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.381 min
Delta R.T.: 0.000 min
Response: 1072991
Conc: 10.59 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055105.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:55
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.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	3.390	3.465	BB	120037	1173056	80.03%	4.301%
2	4.681	4.634	4.740	BB	120456	1191456	81.29%	4.369%
3	6.401	6.370	6.489	BB	141579	1371559	93.58%	5.029%
4	6.857	6.824	6.910	BB	118825	1212805	82.74%	4.447%
5	7.502	7.462	7.602	BB	132398	1327736	90.59%	4.868%
6	8.694	8.634	8.799	BB	119873	1256245	85.71%	4.606%
7	10.309	10.200	10.384	BB	118466	1306485	89.14%	4.790%
8	11.759	11.714	11.825	PB	120058	1339624	91.40%	4.912%
9	12.085	12.019	12.145	BB	134862	1465719	100.00%	5.374%
10	13.073	13.032	13.127	PB	113704	1290714	88.06%	4.732%
11	13.521	13.455	13.584	BB	92204	1101100	75.12%	4.037%
12	13.687	13.625	13.755	BB	106777	1263179	86.18%	4.631%
13	14.275	14.209	14.325	BB	102098	1252588	85.46%	4.593%
14	15.382	15.295	15.442	BB	100362	1249742	85.26%	4.582%
15	16.406	16.322	16.457	BB	96333	1228030	83.78%	4.503%
16	17.358	17.275	17.415	BB	91813	1218469	83.13%	4.468%
17	18.248	18.179	18.305	BB	92913	1265398	86.33%	4.640%
18	19.082	19.012	19.134	BV	88439	1247513	85.11%	4.574%
19	19.866	19.800	19.905	BV	83213	1189288	81.14%	4.361%
20	20.607	20.570	20.644	BV	77393	1108488	75.63%	4.064%
21	21.389	21.330	21.520	BB	60713	1141544	77.88%	4.186%
22	22.381	22.300	22.452	BV	42596	1072991	73.21%	3.934%
			Sum of corrected areas:			27273728		

Aliphatic EPH 080125.M Fri Aug 01 15:04:05 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055106.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:25
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Aug 01 13:46:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:46:25 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	778115	5.449 ug/ml
Spiked Amount	50.000		Recovery =	10.90%
12) S	1-chlorooctadecane (S...	13.520	580920	5.403 ug/ml
Spiked Amount	50.000		Recovery =	10.81%
	Target Compounds			
1) T	n-Nonane (C9)	3.422	629501	5.485 ug/ml
2) T	n-Decane (C10)	4.681	632551	5.430 ug/ml
3) T	A~Naphthalene (C11.7)	6.401	724982	5.401 ug/ml
4) T	n-Dodecane (C12)	6.856	647501	5.437 ug/ml
5) T	A~2-methylnaphthalene...	7.501	697536	5.350 ug/ml
6) T	n-Tetradecane (C14)	8.694	677397	5.525 ug/ml
7) T	n-Hexadecane (C16)	10.308	701326	5.486 ug/ml
8) T	n-Octadecane (C18)	11.758	713273	5.467 ug/ml
10) T	n-Eicosane (C20)	13.072	684201	5.453 ug/ml
11) T	n-Heneicosane (C21)	13.686	674909	5.475 ug/ml
13) T	n-Docosane (C22)	14.275	665279	5.448 ug/ml
14) T	n-Tetracosane (C24)	15.382	666101	5.476 ug/ml
15) T	n-Hexacosane (C26)	16.405	654109	5.467 ug/ml
16) T	n-Octacosane (C28)	17.357	659989	5.564 ug/ml
17) T	n-Tricontane (C30)	18.248	712384	5.789 ug/ml
18) T	n-Dotriacontane (C32)	19.081	732022	6.000 ug/ml
19) T	n-Tetratriacontane (C34)	19.867	697694	5.967 ug/ml
20) T	n-Hexatriacontane (C36)	20.608	646626	5.916 ug/ml
21) T	n-Octatriacontane (C38)	21.390	620578	5.742 ug/ml
22) T	n-Tetracontane (C40)	22.381	588826	5.631 ug/ml

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

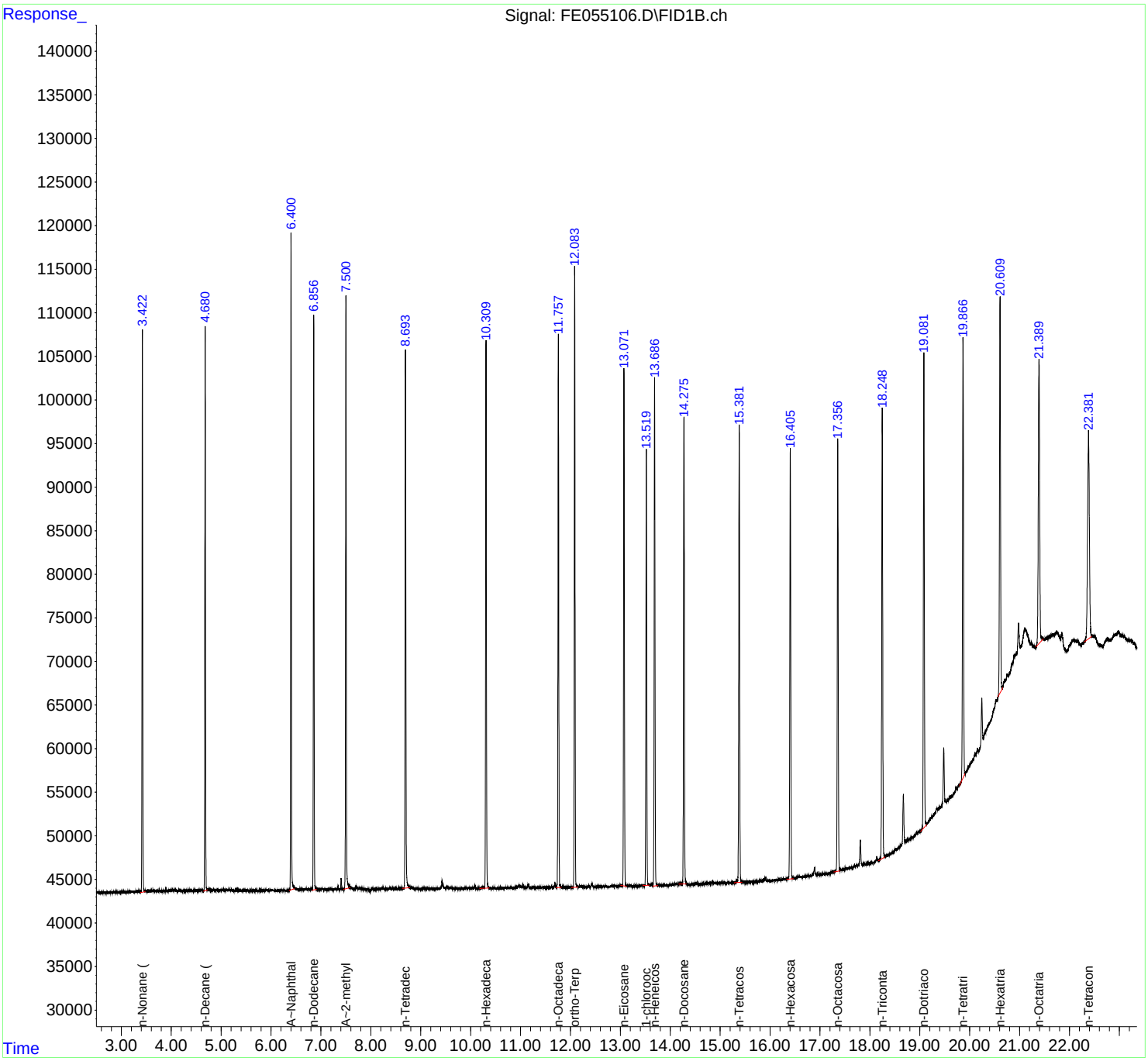
Quantitation Report (QT Reviewed)

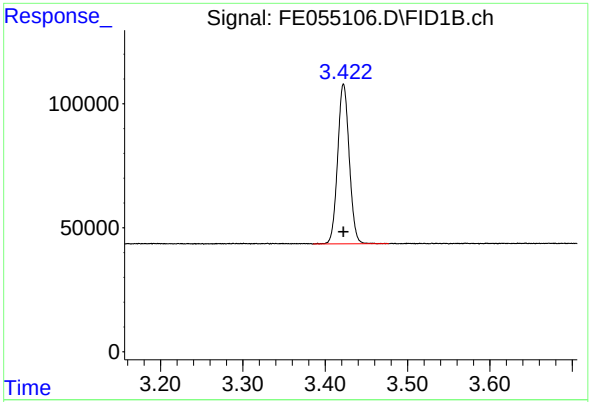
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055106.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:25
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Aug 01 13:46:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:46:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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

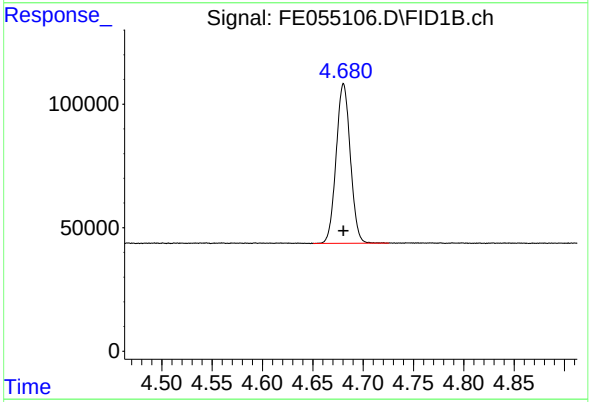




#1 n-Nonane (C9)

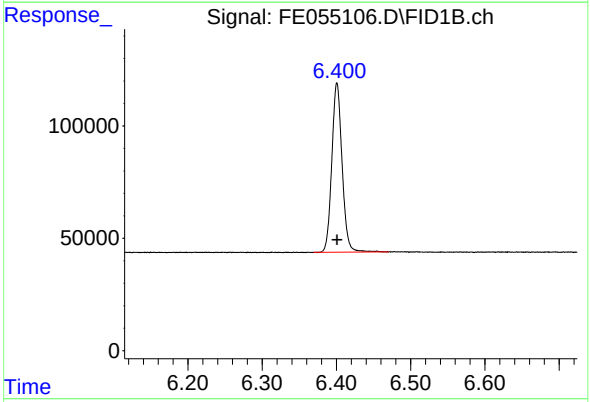
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 629501
Conc: 5.48 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



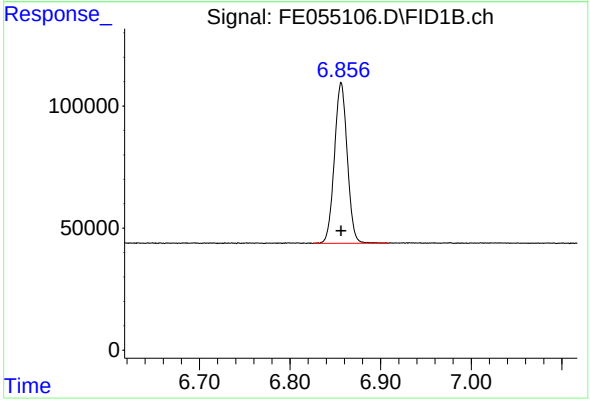
#2 n-Decane (C10)

R.T.: 4.681 min
Delta R.T.: 0.000 min
Response: 632551
Conc: 5.43 ug/ml



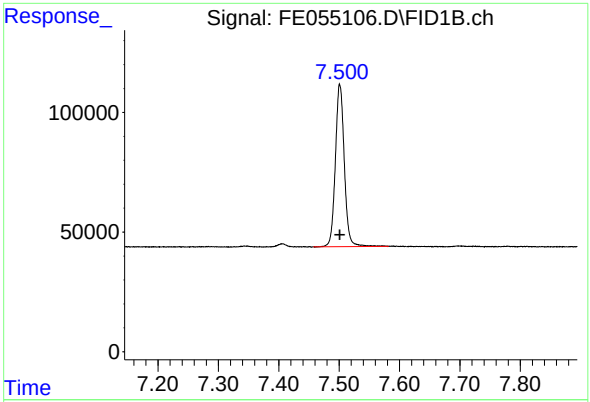
#3 A~Naphthalene (C11.7)

R.T.: 6.401 min
Delta R.T.: 0.000 min
Response: 724982
Conc: 5.40 ug/ml



#4 n-Dodecane (C12)

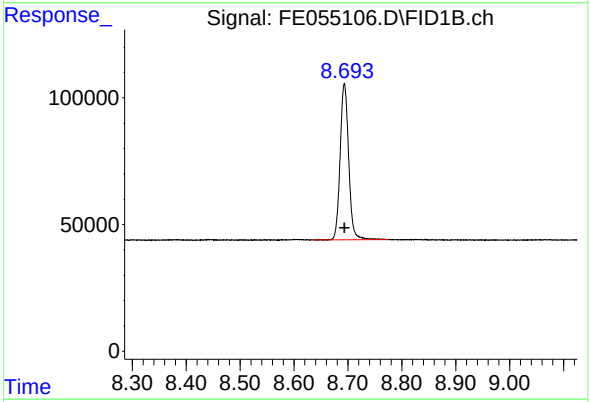
R.T.: 6.856 min
Delta R.T.: 0.000 min
Response: 647501
Conc: 5.44 ug/ml



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

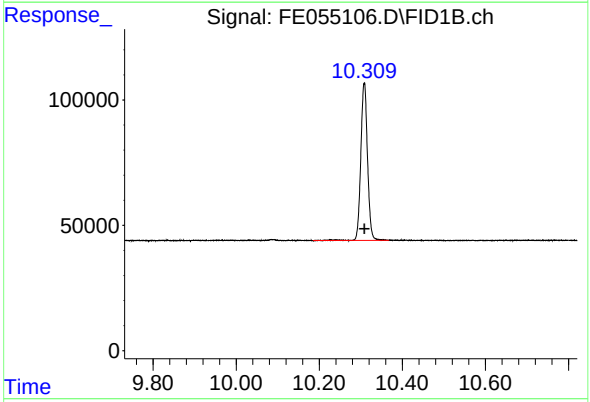
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 697536
Conc: 5.35 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



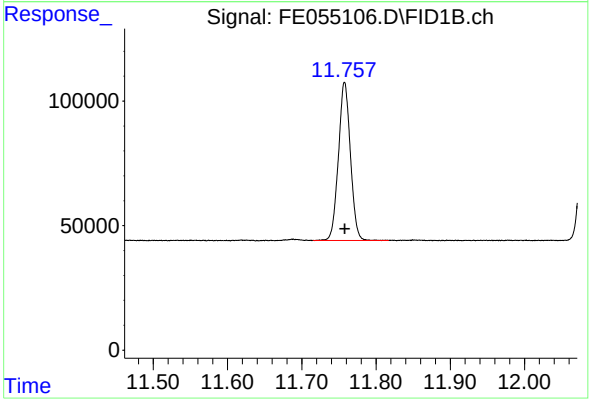
#6 n-Tetradecane (C14)

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 677397
Conc: 5.52 ug/ml



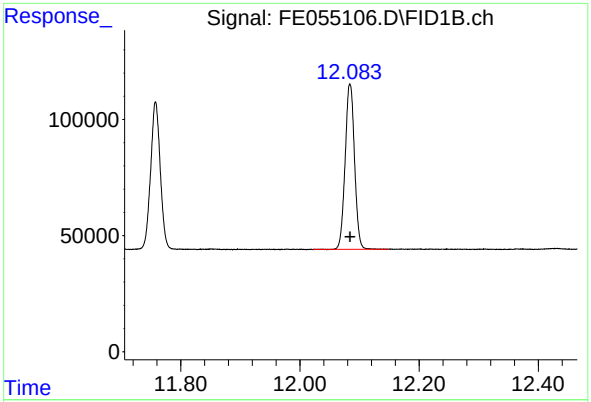
#7 n-Hexadecane (C16)

R.T.: 10.308 min
Delta R.T.: 0.000 min
Response: 701326
Conc: 5.49 ug/ml



#8 n-Octadecane (C18)

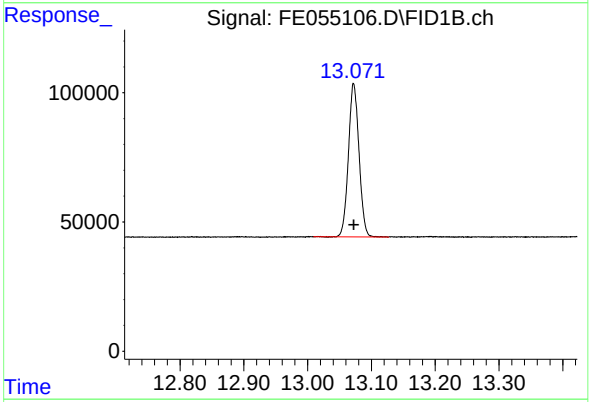
R.T.: 11.758 min
Delta R.T.: 0.000 min
Response: 713273
Conc: 5.47 ug/ml



#9 ortho-Terphenyl (SURR)

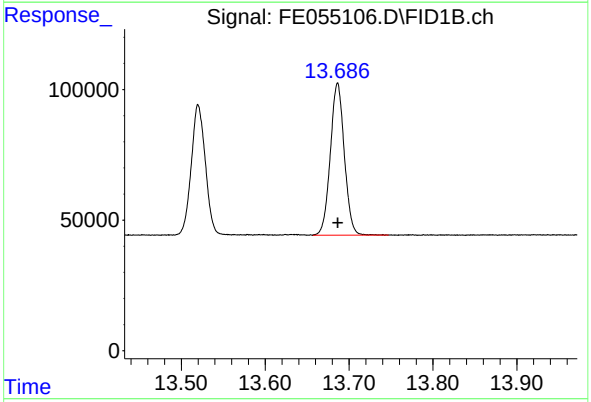
R.T.: 12.084 min
Delta R.T.: 0.000 min
Response: 778115
Conc: 5.45 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



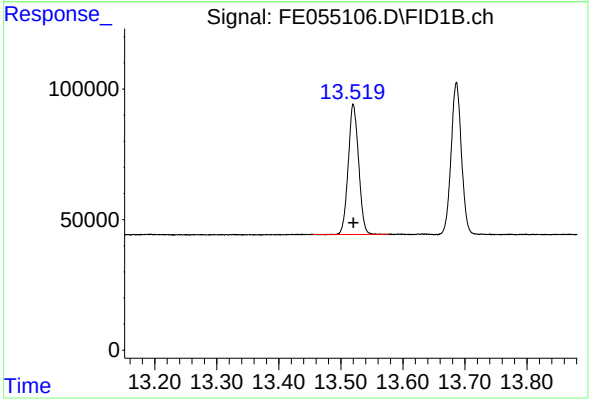
#10 n-Eicosane (C20)

R.T.: 13.072 min
Delta R.T.: 0.000 min
Response: 684201
Conc: 5.45 ug/ml



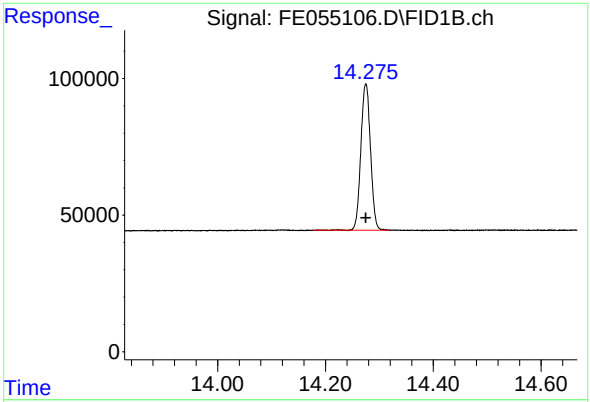
#11 n-Heneicosane (C21)

R.T.: 13.686 min
Delta R.T.: 0.000 min
Response: 674909
Conc: 5.48 ug/ml



#12 1-chlorooctadecane (SURR)

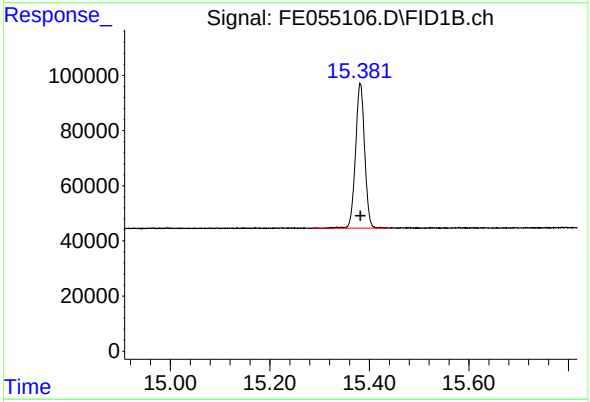
R.T.: 13.520 min
Delta R.T.: 0.000 min
Response: 580920
Conc: 5.40 ug/ml



#13 n-Docosane (C22)

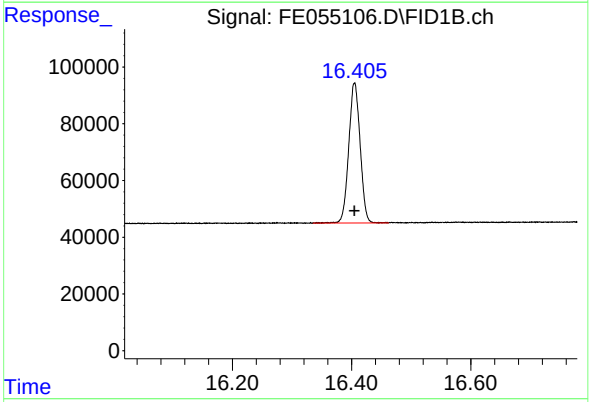
R.T.: 14.275 min
Delta R.T.: 0.000 min
Response: 665279
Conc: 5.45 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



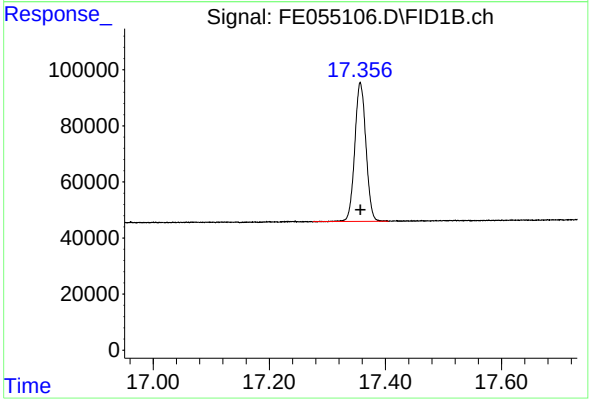
#14 n-Tetracosane (C24)

R.T.: 15.382 min
Delta R.T.: 0.000 min
Response: 666101
Conc: 5.48 ug/ml



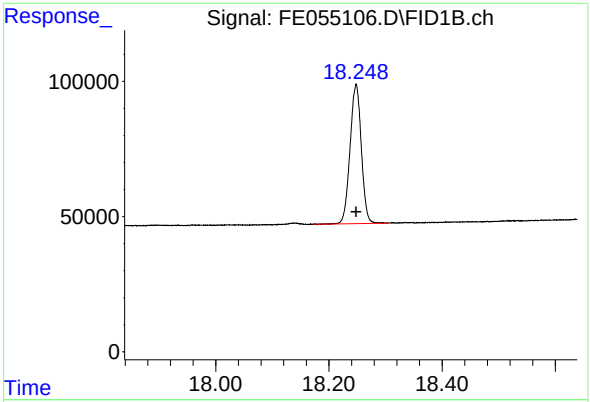
#15 n-Hexacosane (C26)

R.T.: 16.405 min
Delta R.T.: 0.000 min
Response: 654109
Conc: 5.47 ug/ml



#16 n-Octacosane (C28)

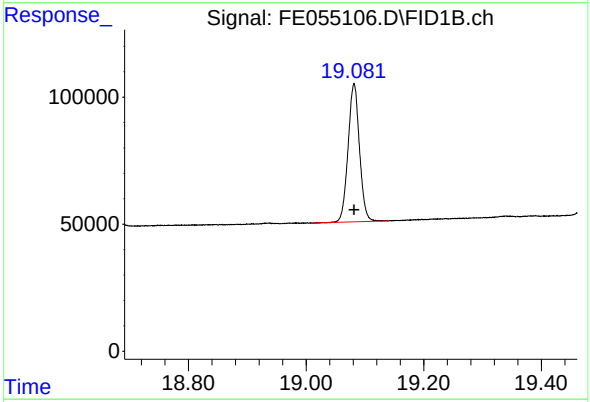
R.T.: 17.357 min
Delta R.T.: 0.000 min
Response: 659989
Conc: 5.56 ug/ml



#17 n-Tricontane (C30)

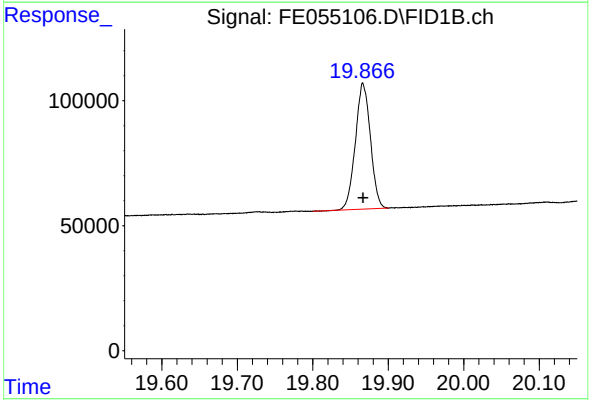
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 712384
Conc: 5.79 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



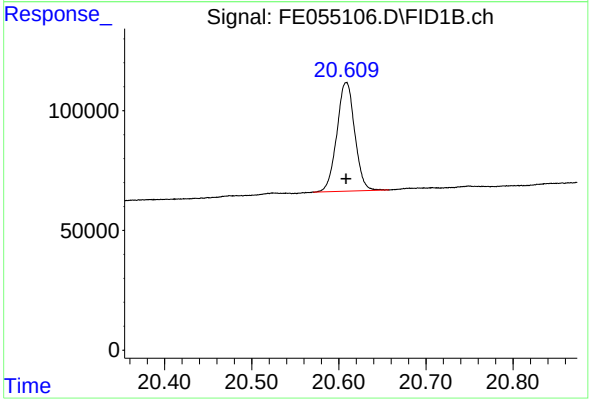
#18 n-Dotriacontane (C32)

R.T.: 19.081 min
Delta R.T.: 0.000 min
Response: 732022
Conc: 6.00 ug/ml



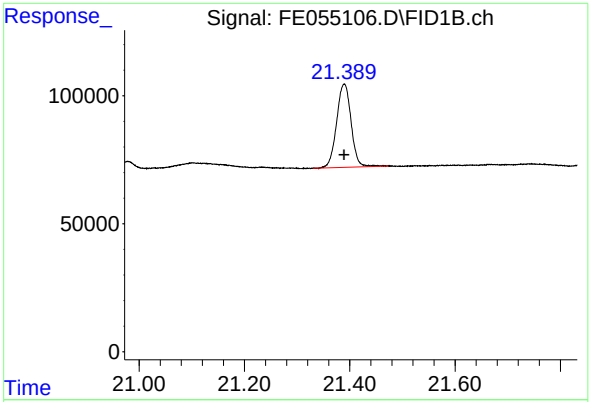
#19 n-Tetratriacontane (C34)

R.T.: 19.867 min
Delta R.T.: 0.000 min
Response: 697694
Conc: 5.97 ug/ml



#20 n-Hexatriacontane (C36)

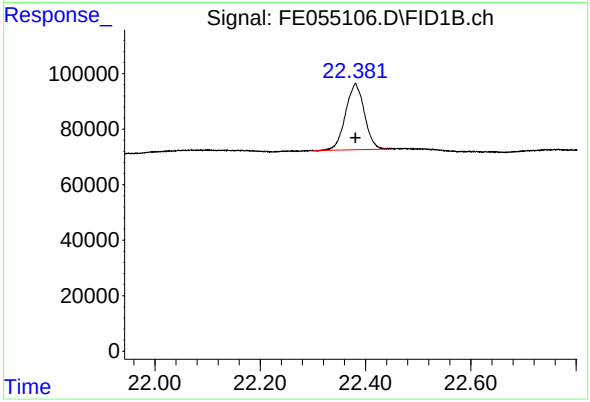
R.T.: 20.608 min
Delta R.T.: 0.000 min
Response: 646626
Conc: 5.92 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.390 min
Delta R.T.: 0.000 min
Response: 620578
Conc: 5.74 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.381 min
Delta R.T.: 0.000 min
Response: 588826
Conc: 5.63 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055106.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:25
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.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	3.385	3.477	BB	64431	629501	80.90%	4.257%
2	4.681	4.650	4.725	BB	64621	632551	81.29%	4.278%
3	6.401	6.369	6.470	BB	75358	724982	93.17%	4.903%
4	6.856	6.825	6.909	BB	65928	647501	83.21%	4.379%
5	7.501	7.457	7.582	BB	67243	697536	89.64%	4.718%
6	8.694	8.635	8.775	BB	61673	677397	87.06%	4.581%
7	10.308	10.185	10.367	BB	62824	701326	90.13%	4.743%
8	11.758	11.715	11.817	BB	63586	713273	91.67%	4.824%
9	12.084	12.022	12.149	BB	71185	778115	100.00%	5.263%
10	13.072	13.009	13.127	BB	59302	684201	87.93%	4.627%
11	13.520	13.455	13.577	BB	49645	580920	74.66%	3.929%
12	13.686	13.657	13.747	BB	58559	674909	86.74%	4.565%
13	14.275	14.177	14.317	BB	53685	665279	85.50%	4.499%
14	15.382	15.287	15.439	BB	52255	666101	85.60%	4.505%
15	16.405	16.335	16.462	BB	49309	654109	84.06%	4.424%
16	17.357	17.275	17.405	BB	49399	659989	84.82%	4.464%
17	18.248	18.172	18.305	BB	51763	712384	91.55%	4.818%
18	19.082	19.012	19.140	BB	54579	732022	94.08%	4.951%
19	19.867	19.800	19.900	BB	49987	697694	89.66%	4.719%
20	20.608	20.570	20.657	BV	45351	646626	83.10%	4.373%
21	21.390	21.330	21.474	BB	32525	620578	79.75%	4.197%
22	22.381	22.300	22.444	BB	23828	588826	75.67%	3.982%

Sum of corrected areas: 14785819

Aliphatic EPH 080125.M Fri Aug 01 15:03:32 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055107.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:55
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Aug 01 14:16:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.085	2866726	20.075 ug/ml
Spiked Amount	50.000		Recovery =	40.15%
12) S	1-chlorooctadecane (S...	13.521	2156193	20.053 ug/ml
Spiked Amount	50.000		Recovery =	40.11%
	Target Compounds			
1) T	n-Nonane (C9)	3.423	2320492	20.219 ug/ml
2) T	n-Decane (C10)	4.681	2357337	20.235 ug/ml
3) T	A~Naphthalene (C11.7)	6.400	2711551	20.201 ug/ml
4) T	n-Dodecane (C12)	6.857	2407946	20.221 ug/ml
5) T	A~2-methylnaphthalene...	7.501	2636139	20.218 ug/ml
6) T	n-Tetradecane (C14)	8.694	2463791	20.095 ug/ml
7) T	n-Hexadecane (C16)	10.309	2561685	20.038 ug/ml
8) T	n-Octadecane (C18)	11.759	2619955	20.080 ug/ml
10) T	n-Eicosane (C20)	13.073	2518489	20.072 ug/ml
11) T	n-Heneicosane (C21)	13.688	2473384	20.065 ug/ml
13) T	n-Docosane (C22)	14.276	2448476	20.050 ug/ml
14) T	n-Tetracosane (C24)	15.382	2433764	20.009 ug/ml
15) T	n-Hexacosane (C26)	16.407	2397717	20.040 ug/ml
16) T	n-Octacosane (C28)	17.359	2370324	19.982 ug/ml
17) T	n-Tricontane (C30)	18.248	2441052	19.838 ug/ml
18) T	n-Dotriacontane (C32)	19.082	2401932	19.686 ug/ml
19) T	n-Tetratriacontane (C34)	19.867	2323225	19.870 ug/ml
20) T	n-Hexatriacontane (C36)	20.609	2160075	19.763 ug/ml
21) T	n-Octatriacontane (C38)	21.390	2112729	19.549 ug/ml
22) T	n-Tetracontane (C40)	22.381	2109848	20.176 ug/ml

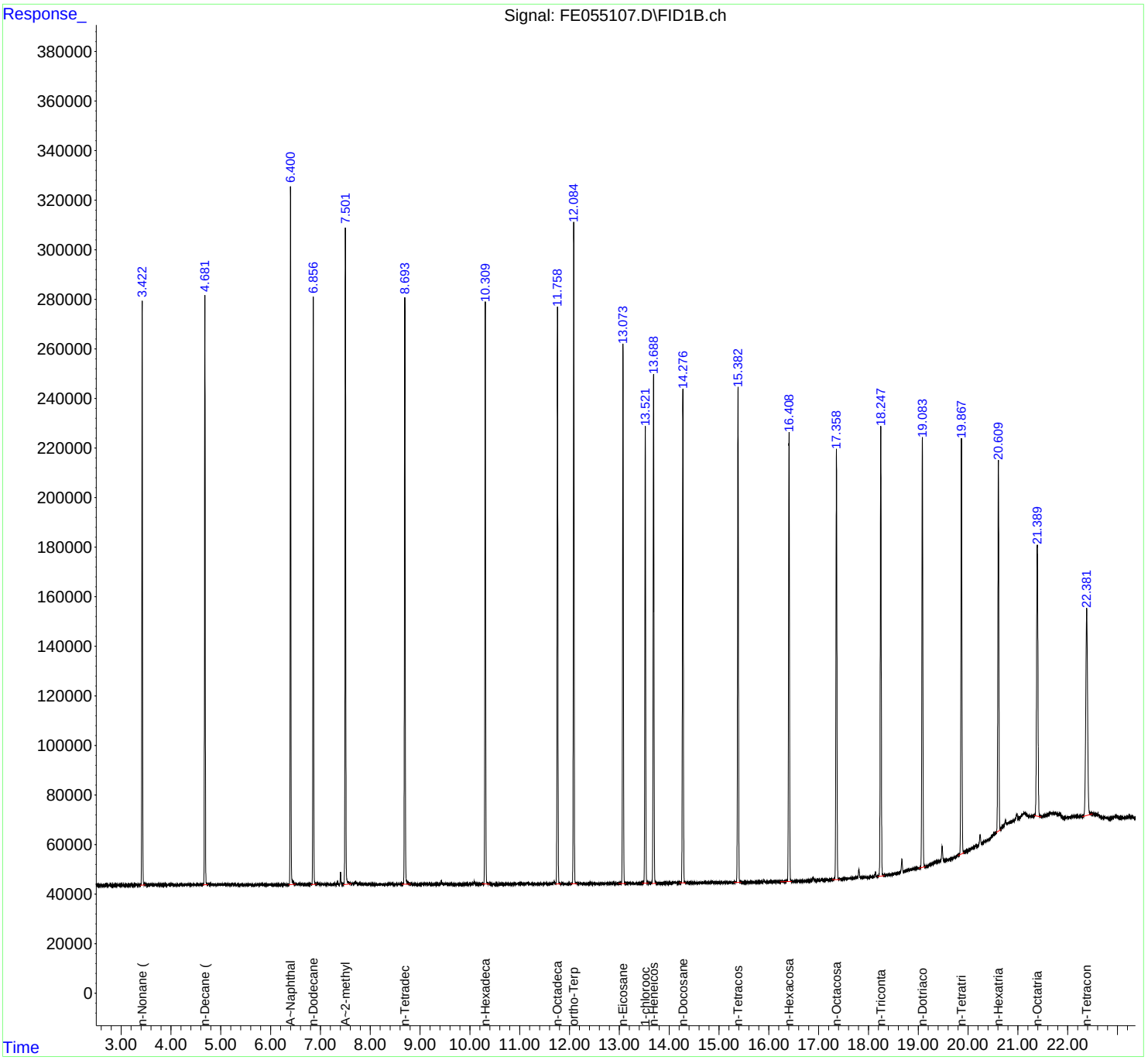
(f)=RT Delta > 1/2 Window (m)=manual int.

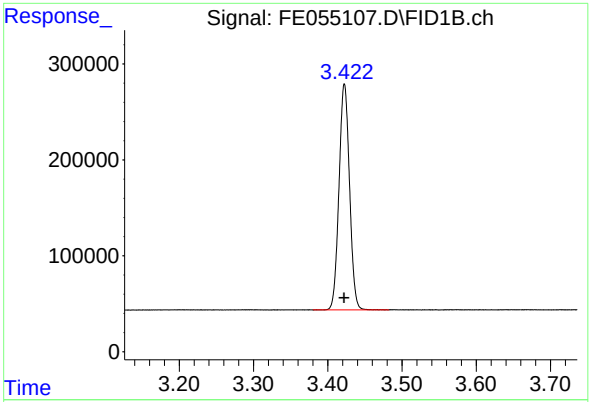
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055107.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:55
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Aug 01 14:16:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

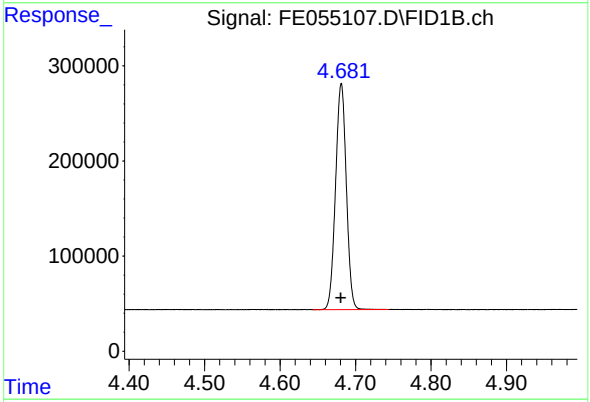




#1 n-Nonane (C9)

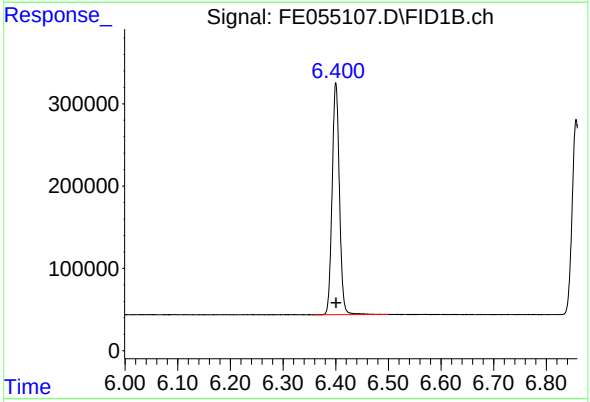
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 2320492
Conc: 20.22 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



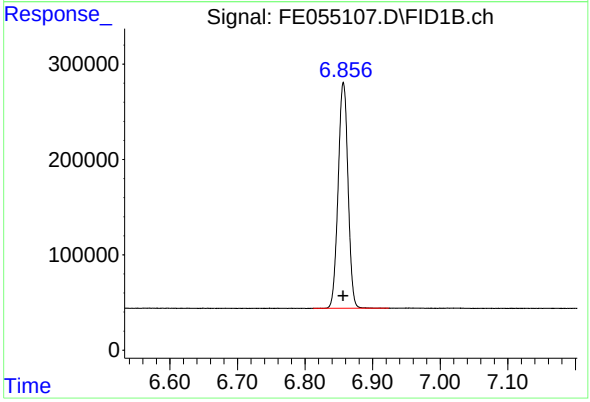
#2 n-Decane (C10)

R.T.: 4.681 min
Delta R.T.: 0.000 min
Response: 2357337
Conc: 20.24 ug/ml



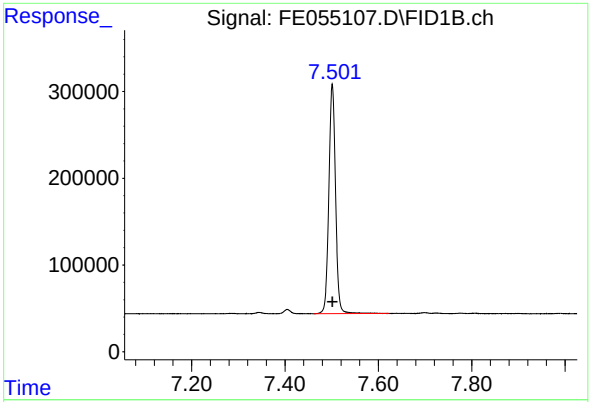
#3 A~Naphthalene (C11.7)

R.T.: 6.400 min
Delta R.T.: 0.000 min
Response: 2711551
Conc: 20.20 ug/ml



#4 n-Dodecane (C12)

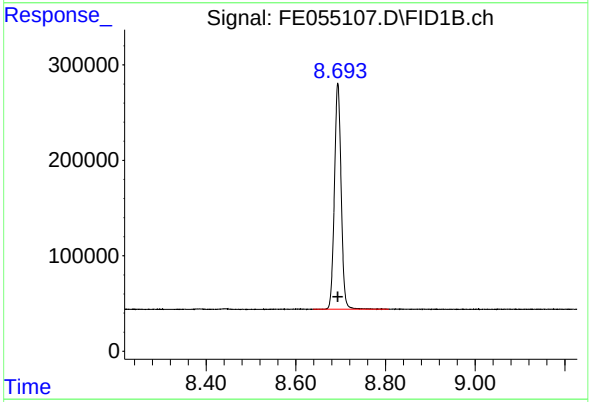
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 2407946
Conc: 20.22 ug/ml



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

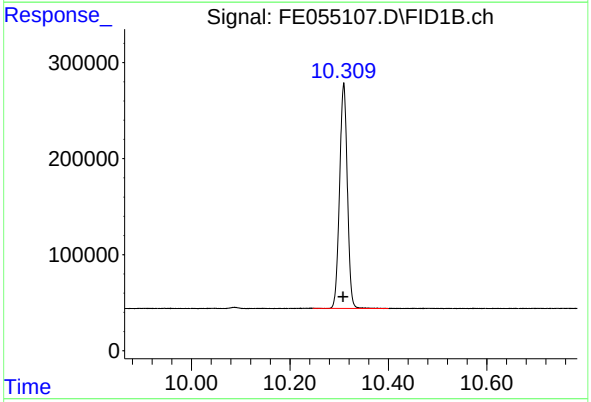
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 2636139
Conc: 20.22 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



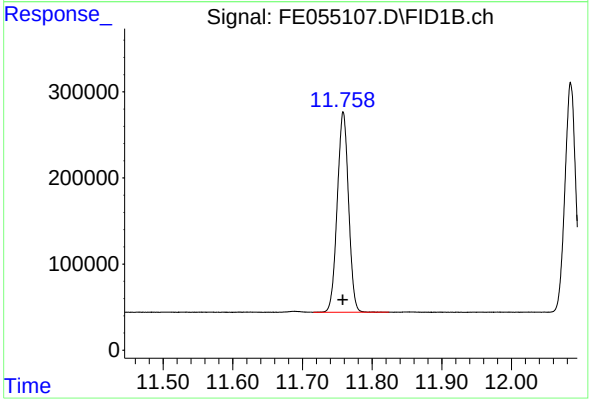
#6 n-Tetradecane (C14)

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 2463791
Conc: 20.09 ug/ml



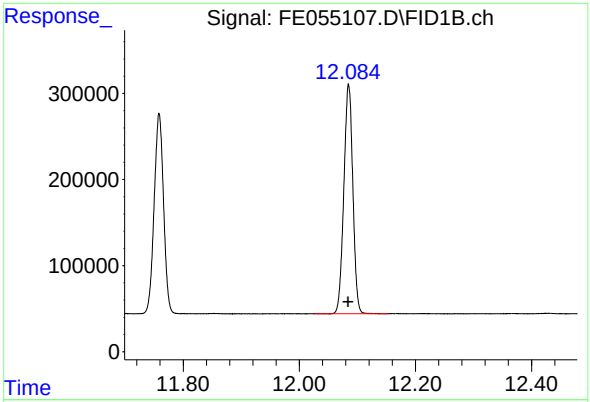
#7 n-Hexadecane (C16)

R.T.: 10.309 min
Delta R.T.: 0.000 min
Response: 2561685
Conc: 20.04 ug/ml



#8 n-Octadecane (C18)

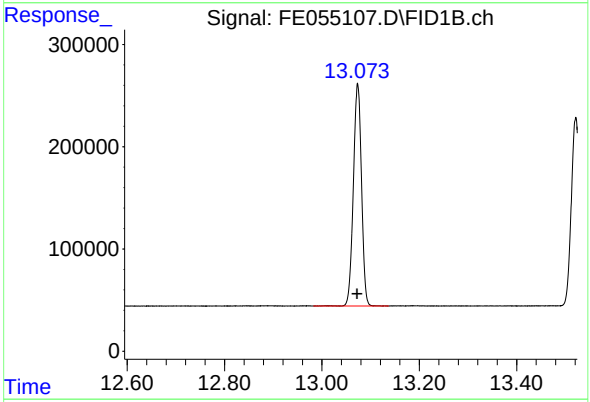
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 2619955
Conc: 20.08 ug/ml



#9 ortho-Terphenyl (SURR)

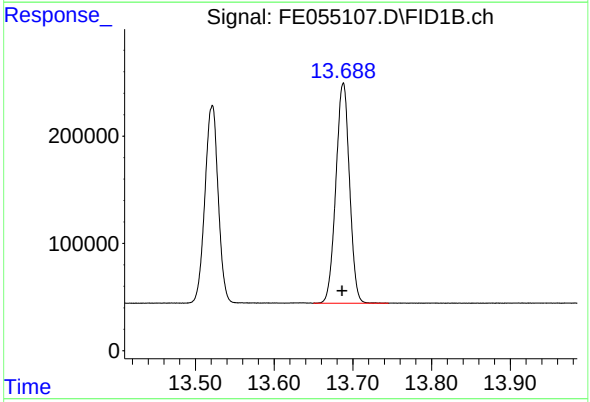
R.T.: 12.085 min
Delta R.T.: 0.000 min
Response: 2866726
Conc: 20.07 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



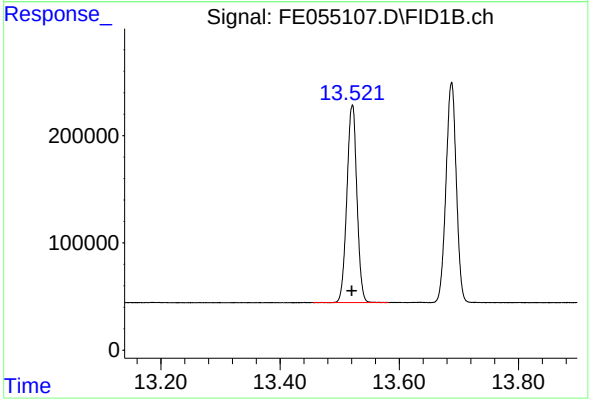
#10 n-Eicosane (C20)

R.T.: 13.073 min
Delta R.T.: 0.001 min
Response: 2518489
Conc: 20.07 ug/ml



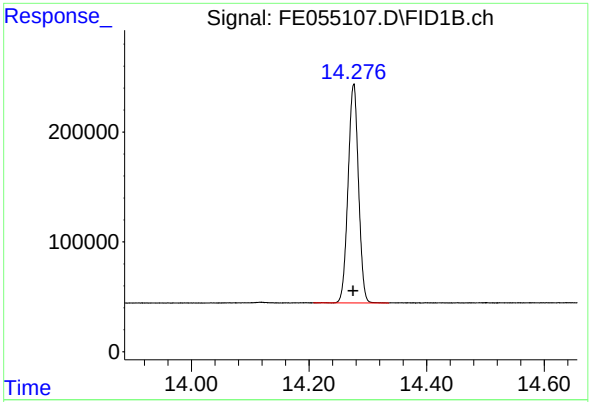
#11 n-Heneicosane (C21)

R.T.: 13.688 min
Delta R.T.: 0.001 min
Response: 2473384
Conc: 20.07 ug/ml



#12 1-chlorooctadecane (SURR)

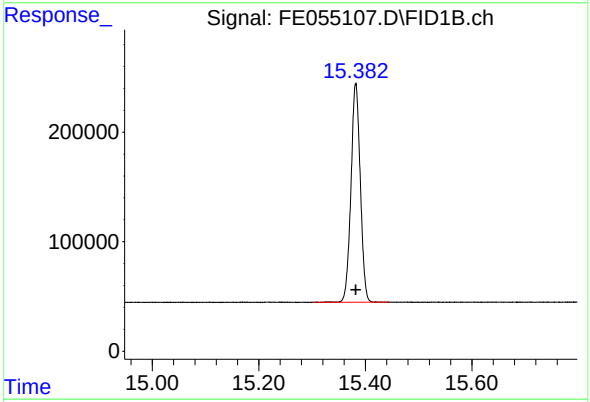
R.T.: 13.521 min
Delta R.T.: 0.000 min
Response: 2156193
Conc: 20.05 ug/ml



#13 n-Docosane (C22)

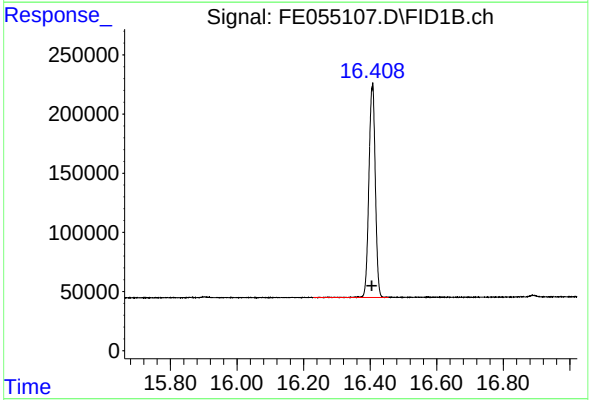
R.T.: 14.276 min
Delta R.T.: 0.000 min
Response: 2448476
Conc: 20.05 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



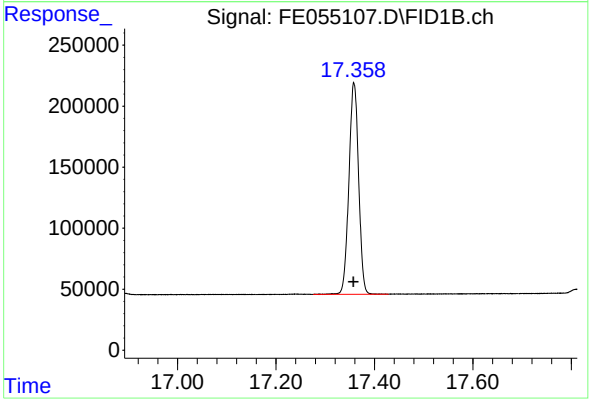
#14 n-Tetracosane (C24)

R.T.: 15.382 min
Delta R.T.: 0.000 min
Response: 2433764
Conc: 20.01 ug/ml



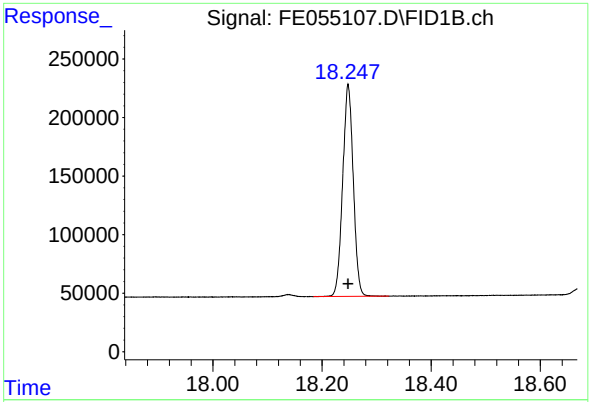
#15 n-Hexacosane (C26)

R.T.: 16.407 min
Delta R.T.: 0.002 min
Response: 2397717
Conc: 20.04 ug/ml



#16 n-Octacosane (C28)

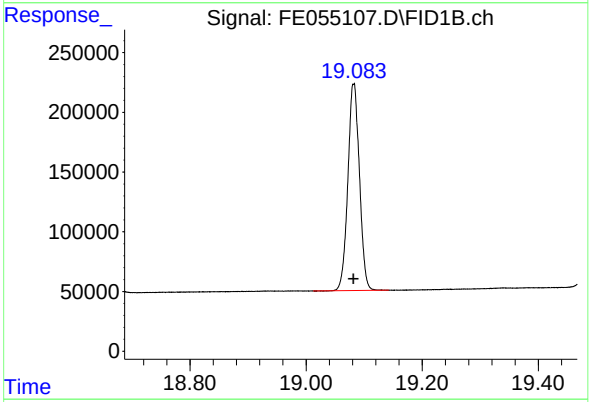
R.T.: 17.359 min
Delta R.T.: 0.002 min
Response: 2370324
Conc: 19.98 ug/ml



#17 n-Tricontane (C30)

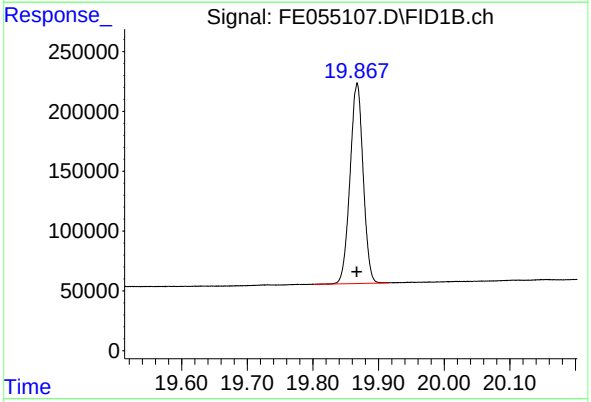
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 2441052
Conc: 19.84 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



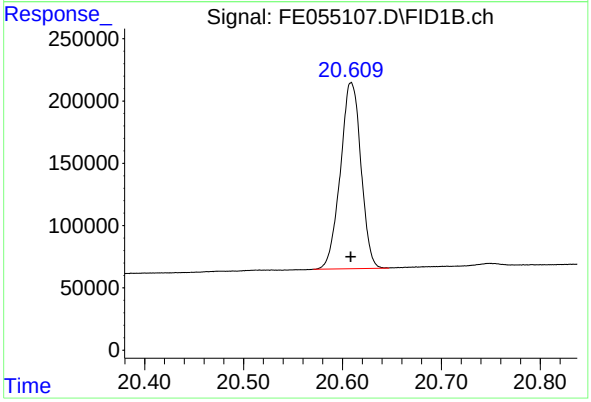
#18 n-Dotriacontane (C32)

R.T.: 19.082 min
Delta R.T.: 0.000 min
Response: 2401932
Conc: 19.69 ug/ml



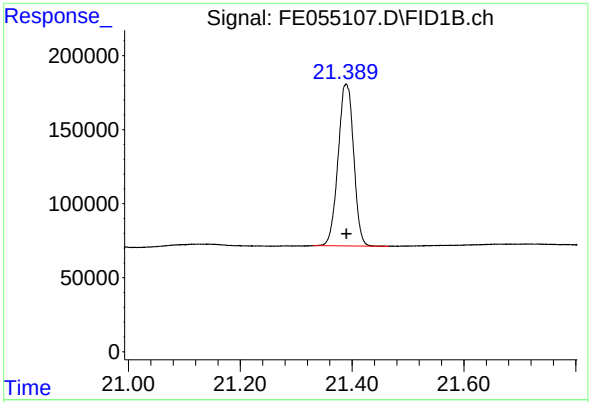
#19 n-Tetratriacontane (C34)

R.T.: 19.867 min
Delta R.T.: 0.000 min
Response: 2323225
Conc: 19.87 ug/ml



#20 n-Hexatriacontane (C36)

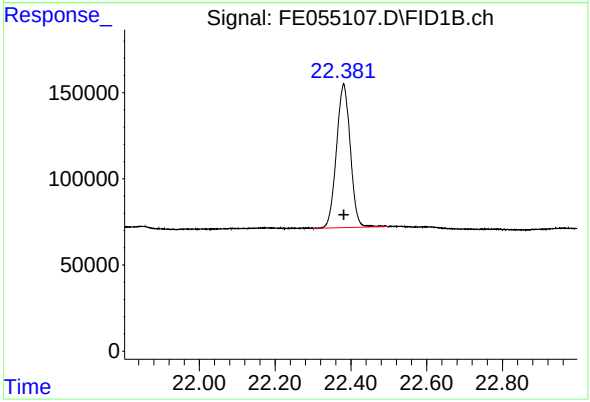
R.T.: 20.609 min
Delta R.T.: 0.000 min
Response: 2160075
Conc: 19.76 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.390 min
Delta R.T.: 0.000 min
Response: 2112729
Conc: 19.55 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.381 min
Delta R.T.: 0.000 min
Response: 2109848
Conc: 20.18 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055107.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:55
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.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	3.380	3.482	BB	235935	2320492	80.95%	4.354%
2	4.681	4.644	4.744	BB	237548	2357337	82.23%	4.423%
3	6.400	6.357	6.500	BB	281367	2711551	94.59%	5.088%
4	6.857	6.812	6.924	BB	236802	2407946	84.00%	4.518%
5	7.501	7.460	7.622	BB	264419	2636139	91.96%	4.947%
6	8.694	8.639	8.807	BB	236777	2463791	85.94%	4.623%
7	10.309	10.247	10.400	BB	233401	2561685	89.36%	4.807%
8	11.759	11.715	11.824	PB	232814	2619955	91.39%	4.916%
9	12.085	12.024	12.154	BB	265468	2866726	100.00%	5.379%
10	13.074	12.982	13.137	BB	216764	2518489	87.85%	4.726%
11	13.521	13.455	13.582	BB	183371	2156193	75.21%	4.046%
12	13.688	13.650	13.745	PB	204951	2473384	86.28%	4.641%
13	14.276	14.207	14.335	BB	198948	2448476	85.41%	4.594%
14	15.382	15.302	15.444	BB	199328	2433764	84.90%	4.567%
15	16.407	16.229	16.455	BB	178966	2397717	83.64%	4.499%
16	17.359	17.275	17.429	BB	172737	2370324	82.68%	4.448%
17	18.248	18.184	18.322	BB	180187	2441052	85.15%	4.580%
18	19.082	19.012	19.142	BB	172722	2401932	83.79%	4.507%
19	19.867	19.800	19.915	BV	167321	2323225	81.04%	4.359%
20	20.609	20.570	20.647	BV	149142	2160075	75.35%	4.053%
21	21.390	21.330	21.465	BB	109229	2112729	73.70%	3.964%
22	22.381	22.300	22.500	BBA	83572	2109848	73.60%	3.959%
			Sum of corrected areas:			53292830		

Aliphatic EPH 080125.M Fri Aug 01 15:03:05 2025

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

Continuing Calibration Report for SequenceID : FC080825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC069620.D**						
Aliphatic C9-C12	7423392.000	60.000	3.298	6.596	123723.200	144679.273	14.485
Aliphatic C12-C16	4934649.000	40.000	6.597	10.000	123366.225	143435.206	13.992
Aliphatic C16-C21	6986048.000	60.000	10.001	13.369	116434.133	133561.231	12.823
Aliphatic C21-C28	8387531.000	80.000	13.370	17.034	104844.138	118307.822	11.380
Aliphatic C28-C40	10073631.000	120.000	17.035	22.011	83946.925	95315.213	11.927
Aliphatic EPH	37805251.000	360.000	3.298	22.011	105014.586	120373.027	12.759

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 Aug 2025 14:36
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069620.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.298	6.596	7423392.000	60.000	ug/ml
Aliphatic C12-C16	6.597	10.000	4934649.000	40.000	ug/ml
Aliphatic C16-C21	10.001	13.369	6986048.000	60.000	ug/ml
Aliphatic C21-C28	13.370	17.034	8387531.000	80.000	ug/ml
Aliphatic C28-C40	17.035	22.011	10073631.000	120.000	ug/ml
Aliphatic EPH	3.298	22.011	37805251.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080825AL\
Data File : FC069620.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 14:36
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 11 01:16:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.665	2624968	17.595 ug/ml
Spiked Amount	50.000		Recovery =	35.19%
12) S	1-chlorooctadecane (S...	13.100	1970250	18.072 ug/ml
Spiked Amount	50.000		Recovery =	36.14%
	Target Compounds			
1) T	n-Nonane (C9)	3.397	2440059	17.127 ug/ml
2) T	n-Decane (C10)	4.469	2488481	17.117 ug/ml
3) T	A~Naphthalene (C11.7)	6.065	2708330	17.455 ug/ml
4) T	n-Dodecane (C12)	6.494	2494852	17.066 ug/ml
5) T	A~2-methylnaphthalene...	7.124	2593787	17.612 ug/ml
6) T	n-Tetradecane (C14)	8.294	2446299	17.142 ug/ml
7) T	n-Hexadecane (C16)	9.897	2488350	17.261 ug/ml
8) T	n-Octadecane (C18)	11.342	2447409	17.307 ug/ml
10) T	n-Eicosane (C20)	12.654	2301134	17.469 ug/ml
11) T	n-Heneicosane (C21)	13.267	2237505	17.543 ug/ml
13) T	n-Docosane (C22)	13.854	2202071	17.628 ug/ml
14) T	n-Tetracosane (C24)	14.958	2148519	17.805 ug/ml
15) T	n-Hexacosane (C26)	15.981	2059661	17.825 ug/ml
16) T	n-Octacosane (C28)	16.933	1977280	17.640 ug/ml
17) T	n-Tricontane (C30)	17.822	1987711	17.360 ug/ml
18) T	n-Dotriacontane (C32)	18.655	1916574	17.254 ug/ml
19) T	n-Tetratriacontane (C34)	19.439	1771619	17.399 ug/ml
20) T	n-Hexatriacontane (C36)	20.181	1599732	17.941 ug/ml
21) T	n-Octatriacontane (C38)	20.945	1423174	17.692 ug/ml
22) T	n-Tetracontane (C40)	21.907	1374821	18.360 ug/ml

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

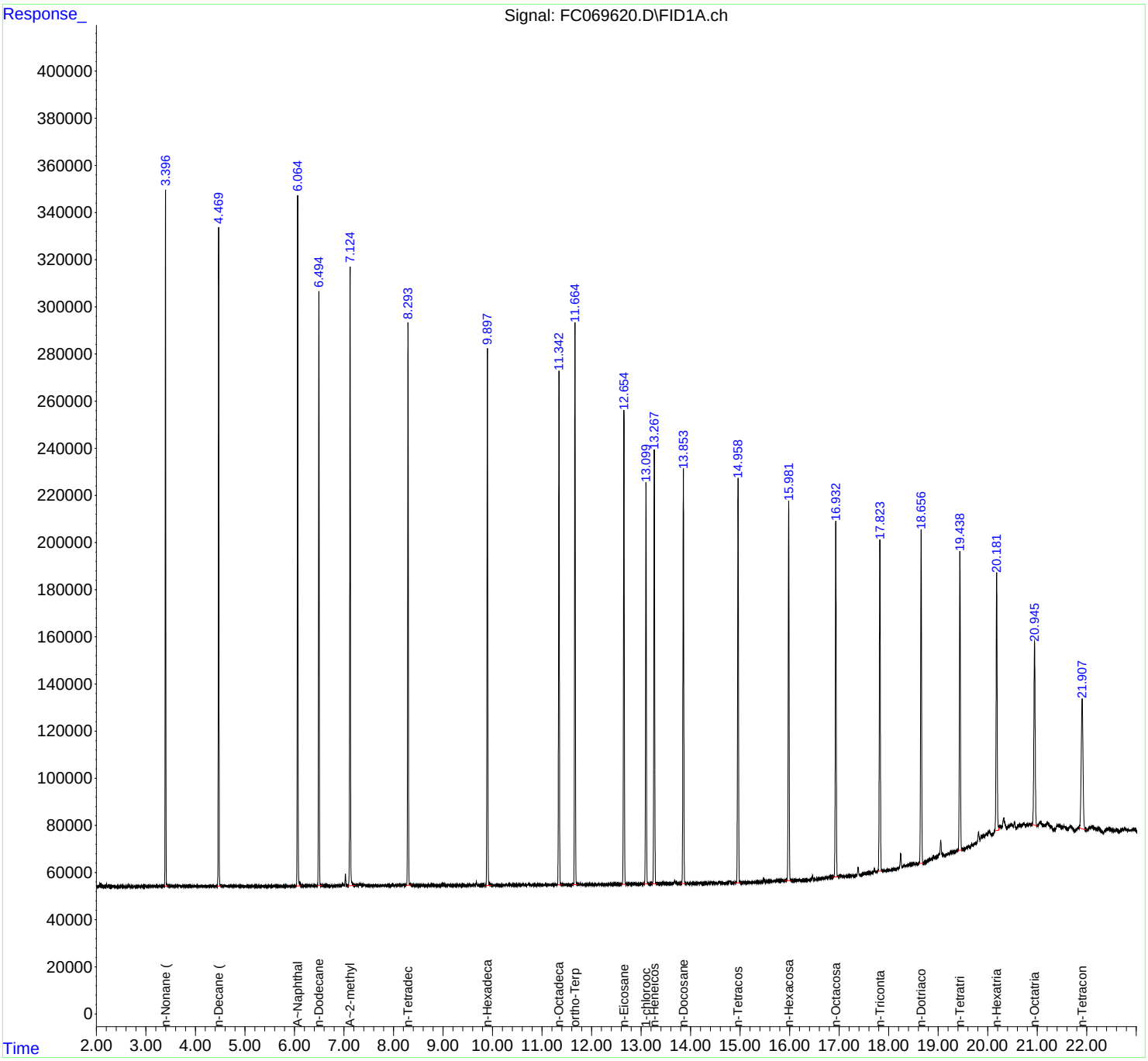
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080825AL\
Data File : FC069620.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 14:36
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 11 01:16:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080825AL\
Data File : FC069620.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 14:36
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.397	3.369	3.447	BB	295006	2440059	90.09%	5.115%
2	4.469	4.437	4.524	BB	278370	2488481	91.88%	5.217%
3	6.065	6.032	6.135	BB	292105	2708330	100.00%	5.678%
4	6.494	6.462	6.545	BB	251575	2494852	92.12%	5.230%
5	7.124	7.075	7.212	BB	262085	2593787	95.77%	5.437%
6	8.294	8.257	8.357	BB	238537	2446299	90.32%	5.128%
7	9.897	9.852	9.977	BB	226757	2488350	91.88%	5.216%
8	11.342	11.310	11.395	BB	217571	2447409	90.37%	5.131%
9	11.665	11.614	11.707	BB	238985	2624968	96.92%	5.503%
10	12.654	12.594	12.694	BB	200380	2301134	84.97%	4.824%
11	13.100	13.042	13.145	BB	169445	1970250	72.75%	4.130%
12	13.267	13.204	13.315	BB	184302	2237505	82.62%	4.691%
13	13.854	13.797	13.904	BB	175593	2202071	81.31%	4.616%
14	14.958	14.889	15.004	BB	172056	2148519	79.33%	4.504%
15	15.981	15.910	16.030	BB	160829	2059661	76.05%	4.318%
16	16.933	16.869	16.979	BB	150974	1977280	73.01%	4.145%
17	17.822	17.780	17.870	BB	140904	1987711	73.39%	4.167%
18	18.655	18.610	18.697	BV	141370	1916574	70.77%	4.018%
19	19.439	19.400	19.495	BB	125716	1771619	65.41%	3.714%
20	20.181	20.140	20.220	BV	109260	1599732	59.07%	3.354%
21	20.945	20.890	21.012	BB	77702	1423174	52.55%	2.983%
22	21.907	21.840	21.995	BB	55029	1374821	50.76%	2.882%
			Sum of corrected areas:			47702586		

Aliphatic EPH 080125.M Mon Aug 11 02:02:34 2025

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

Continuing Calibration Report for SequenceID : FC080825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC069631.D**						
Aliphatic C9-C12	7563783.000	60.000	3.298	6.596	126063.050	144679.273	12.867
Aliphatic C12-C16	4974222.000	40.000	6.597	10.000	124355.550	143435.206	13.302
Aliphatic C16-C21	7013845.000	60.000	10.001	13.369	116897.417	133561.231	12.477
Aliphatic C21-C28	8319419.000	80.000	13.370	17.034	103992.738	118307.822	12.100
Aliphatic C28-C40	10138718.000	120.000	17.035	22.011	84489.317	95315.213	11.358
Aliphatic EPH	38009987.000	360.000	3.298	22.011	105583.297	120373.027	12.287

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 Aug 2025 23:30
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069631.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.298	6.596	7563783.000	60.000	ug/ml
Aliphatic C12-C16	6.597	10.000	4974222.000	40.000	ug/ml
Aliphatic C16-C21	10.001	13.369	7013845.000	60.000	ug/ml
Aliphatic C21-C28	13.370	17.034	8319419.000	80.000	ug/ml
Aliphatic C28-C40	17.035	22.011	10138718.000	120.000	ug/ml
Aliphatic EPH	3.298	22.011	38009987.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080825AL\
Data File : FC069631.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 23:30
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 11 01:21:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.665	2627136	17.610 ug/ml
Spiked Amount	50.000		Recovery =	35.22%
12) S	1-chlorooctadecane (S...	13.100	1969393	18.064 ug/ml
Spiked Amount	50.000		Recovery =	36.13%
	Target Compounds			
1) T	n-Nonane (C9)	3.396	2494143	17.506 ug/ml
2) T	n-Decane (C10)	4.469	2533723	17.428 ug/ml
3) T	A~Naphthalene (C11.7)	6.064	2747528	17.707 ug/ml
4) T	n-Dodecane (C12)	6.494	2535917	17.347 ug/ml
5) T	A~2-methylnaphthalene...	7.124	2622878	17.810 ug/ml
6) T	n-Tetradecane (C14)	8.294	2464273	17.268 ug/ml
7) T	n-Hexadecane (C16)	9.897	2509949	17.411 ug/ml
8) T	n-Octadecane (C18)	11.342	2466415	17.441 ug/ml
10) T	n-Eicosane (C20)	12.654	2309197	17.530 ug/ml
11) T	n-Heneicosane (C21)	13.266	2238233	17.549 ug/ml
13) T	n-Docosane (C22)	13.854	2192556	17.552 ug/ml
14) T	n-Tetracosane (C24)	14.959	2124456	17.605 ug/ml
15) T	n-Hexacosane (C26)	15.982	2035665	17.617 ug/ml
16) T	n-Octacosane (C28)	16.932	1966742	17.546 ug/ml
17) T	n-Tricontane (C30)	17.821	1995008	17.424 ug/ml
18) T	n-Dotriacontane (C32)	18.655	1955422	17.603 ug/ml
19) T	n-Tetratriacontane (C34)	19.440	1805240	17.729 ug/ml
20) T	n-Hexatriacontane (C36)	20.181	1575759	17.672 ug/ml
21) T	n-Octatriacontane (C38)	20.945	1445405	17.968 ug/ml
22) T	n-Tetracontane (C40)	21.907	1361884	18.187 ug/ml

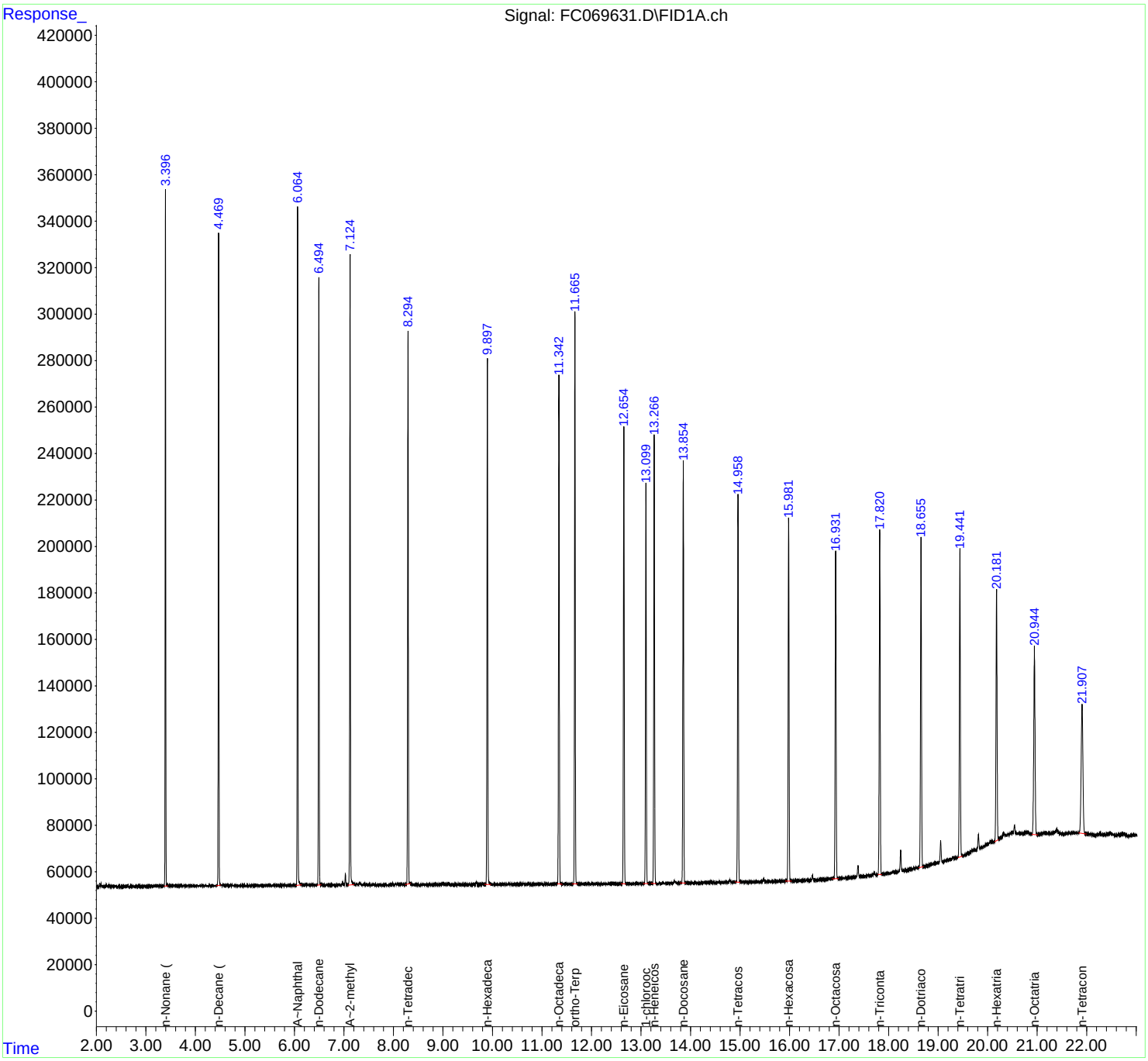
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080825AL\
Data File : FC069631.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 23:30
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 11 01:21:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080825AL\
Data File : FC069631.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 23:30
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.396	3.367	3.447	BB	299716	2494143	90.78%	5.199%
2	4.469	4.425	4.514	BB	280866	2533723	92.22%	5.281%
3	6.064	6.027	6.142	BB	292614	2747528	100.00%	5.727%
4	6.494	6.460	6.539	BB	261730	2535917	92.30%	5.286%
5	7.124	7.080	7.209	BB	270481	2622878	95.46%	5.467%
6	8.294	8.240	8.342	BB	238033	2464273	89.69%	5.136%
7	9.897	9.839	9.969	BB	226372	2509949	91.35%	5.232%
8	11.342	11.310	11.409	BB	219238	2466415	89.77%	5.141%
9	11.665	11.609	11.715	BB	247647	2627136	95.62%	5.476%
10	12.654	12.597	12.694	BB	196557	2309197	84.05%	4.813%
11	13.100	13.039	13.150	BB	171843	1969393	71.68%	4.105%
12	13.266	13.205	13.304	BB	193019	2238233	81.46%	4.665%
13	13.854	13.787	13.900	BB	182012	2192556	79.80%	4.570%
14	14.959	14.899	15.005	BB	166924	2124456	77.32%	4.428%
15	15.982	15.909	16.037	BB	155113	2035665	74.09%	4.243%
16	16.932	16.855	16.992	BB	141085	1966742	71.58%	4.099%
17	17.821	17.780	17.860	BB	148630	1995008	72.61%	4.158%
18	18.655	18.610	18.702	BB	142188	1955422	71.17%	4.076%
19	19.440	19.400	19.494	BB	132503	1805240	65.70%	3.763%
20	20.181	20.140	20.220	BV	108538	1575759	57.35%	3.284%
21	20.945	20.890	21.015	BB	80693	1445405	52.61%	3.013%
22	21.907	21.840	21.999	BB	55553	1361884	49.57%	2.839%
			Sum of corrected areas:			47976922		

Aliphatic EPH 080125.M Mon Aug 11 02:10:32 2025

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

Continuing Calibration Report for SequenceID : FE080825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE055211.D**						
Aliphatic C9-C12	7031222.000	60.000	3.325	6.960	117187.033	116782.597	-0.346
Aliphatic C12-C16	5061864.000	40.000	6.961	10.413	126546.600	125227.070	-1.054
Aliphatic C16-C21	7571571.000	60.000	10.414	13.792	126192.850	126404.887	0.168
Aliphatic C21-C28	10396476.000	80.000	13.793	17.464	129955.950	120505.719	-7.842
Aliphatic C28-C40	15499812.000	120.000	17.465	22.492	129165.100	113987.195	-13.315
Aliphatic EPH	45560945.000	360.000	3.325	22.492	126558.181	119220.147	-6.155

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 Aug 2025 15:17
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055211.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.325	6.960	7031222.000	60.000	ug/ml
Aliphatic C12-C16	6.961	10.413	5061864.000	40.000	ug/ml
Aliphatic C16-C21	10.414	13.792	7571571.000	60.000	ug/ml
Aliphatic C21-C28	13.793	17.464	10396476.000	80.000	ug/ml
Aliphatic C28-C40	17.465	22.492	15499812.000	120.000	ug/ml
Aliphatic EPH	3.325	22.492	45560945.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080825AL\
Data File : FE055211.D
Signal(s) : FID1B.ch
Acq On : 08 Aug 2025 15:17
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 11 03:20:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.085	2812349	19.694 ug/ml
Spiked Amount	50.000		Recovery =	39.39%
12) S	1-chlorooctadecane (S...	13.521	2134783	19.854 ug/ml
Spiked Amount	50.000		Recovery =	39.71%
	Target Compounds			
1) T	n-Nonane (C9)	3.421	2252416	19.626 ug/ml
2) T	n-Decane (C10)	4.679	2357168	20.234 ug/ml
3) T	A~Naphthalene (C11.7)	6.400	2688375	20.028 ug/ml
4) T	n-Dodecane (C12)	6.855	2421638	20.336 ug/ml
5) T	A~2-methylnaphthalene...	7.501	2622947	20.117 ug/ml
6) T	n-Tetradecane (C14)	8.692	2478669	20.216 ug/ml
7) T	n-Hexadecane (C16)	10.308	2583195	20.206 ug/ml
8) T	n-Octadecane (C18)	11.758	2615906	20.049 ug/ml
10) T	n-Eicosane (C20)	13.072	2510103	20.005 ug/ml
11) T	n-Heneicosane (C21)	13.686	2445562	19.839 ug/ml
13) T	n-Docosane (C22)	14.276	2480495	20.312 ug/ml
14) T	n-Tetracosane (C24)	15.382	2586849	21.268 ug/ml
15) T	n-Hexacosane (C26)	16.406	2638640	22.054 ug/ml
16) T	n-Octacosane (C28)	17.358	2690492	22.681 ug/ml
17) T	n-Tricontane (C30)	18.248	2921216	23.740 ug/ml
18) T	n-Dotriacontane (C32)	19.082	2948738	24.168 ug/ml
19) T	n-Tetratriacontane (C34)	19.867	2705493	23.140 ug/ml
20) T	n-Hexatriacontane (C36)	20.608	2468540	22.585 ug/ml
21) T	n-Octatriacontane (C38)	21.388	2281112	21.108 ug/ml
22) T	n-Tetracontane (C40)	22.381	2174713	20.796 ug/ml

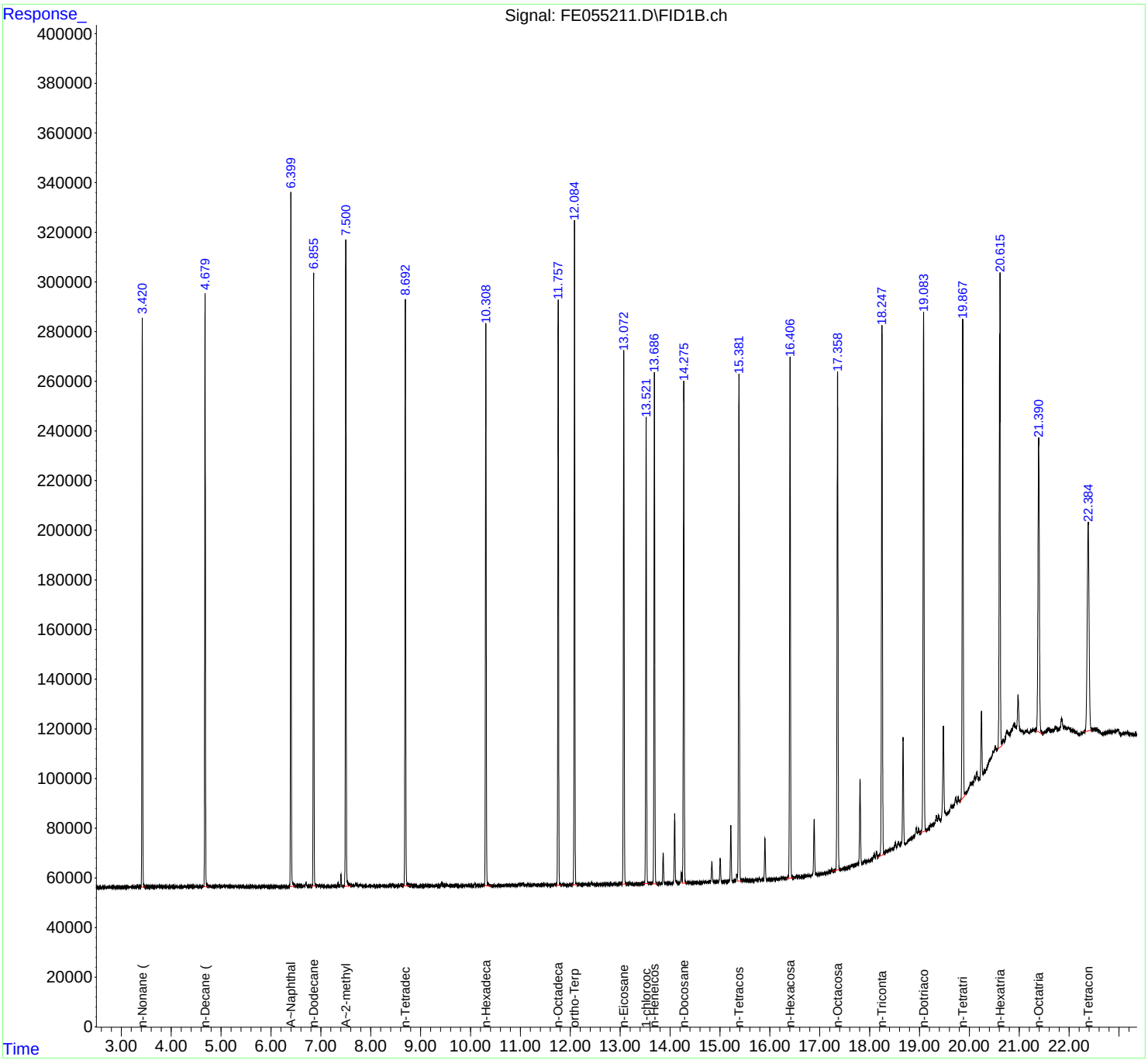
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080825AL\
Data File : FE055211.D
Signal(s) : FID1B.ch
Acq On : 08 Aug 2025 15:17
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 11 03:20:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080825AL\
Data File : FE055211.D
Signal(s) : FID1B.ch
Acq On : 08 Aug 2025 15:17
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.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	3.389	3.485	BB	228991	2252416	76.39%	4.035%
2	4.679	4.645	4.752	BB	238585	2357168	79.94%	4.223%
3	6.400	6.369	6.490	BB	278895	2688375	91.17%	4.816%
4	6.855	6.800	6.902	BB	247350	2421638	82.12%	4.338%
5	7.501	7.457	7.617	BB	260723	2622947	88.95%	4.699%
6	8.692	8.629	8.790	BB	235937	2478669	84.06%	4.441%
7	10.308	10.267	10.410	BB	226261	2583195	87.60%	4.628%
8	11.758	11.715	11.824	BB	235204	2615906	88.71%	4.686%
9	12.085	12.027	12.140	BV	265705	2812349	95.37%	5.038%
10	13.072	13.037	13.132	PB	214833	2510103	85.12%	4.497%
11	13.521	13.455	13.577	BB	187324	2134783	72.40%	3.824%
12	13.686	13.649	13.754	PB	205310	2445562	82.94%	4.381%
13	14.276	14.245	14.339	VB	202256	2480495	84.12%	4.444%
14	15.382	15.352	15.449	VV	203531	2586849	87.73%	4.634%
15	16.406	16.324	16.477	BB	208125	2638640	89.48%	4.727%
16	17.358	17.250	17.395	BV	201252	2690492	91.24%	4.820%
17	18.248	18.172	18.289	PV	213468	2921216	99.07%	5.233%
18	19.082	19.000	19.144	BV	208620	2948738	100.00%	5.283%
19	19.867	19.800	19.902	BV	193244	2705493	91.75%	4.847%
20	20.608	20.570	20.652	BV	166723	2468540	83.72%	4.422%
21	21.388	21.330	21.477	BV	116081	2281112	77.36%	4.087%
22	22.381	22.300	22.450	BV	83469	2174713	73.75%	3.896%
			Sum of corrected areas:			55819398		

Aliphatic EPH 080125.M Mon Aug 11 03:42:14 2025

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

Continuing Calibration Report for SequenceID : FE080825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE055221.D**						
Aliphatic C9-C12	5963330.000	60.000	3.325	6.960	99388.833	116782.597	14.894
Aliphatic C12-C16	4348051.000	40.000	6.961	10.413	108701.275	125227.070	13.197
Aliphatic C16-C21	6703045.000	60.000	10.414	13.792	111717.417	126404.887	11.619
Aliphatic C21-C28	9284570.000	80.000	13.793	17.464	116057.125	120505.719	3.692
Aliphatic C28-C40	13756320.000	120.000	17.465	22.492	114636.000	113987.195	-0.569
Aliphatic EPH	40055316.000	360.000	3.325	22.492	111264.767	119220.147	6.673

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 Aug 2025 20:50
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055221.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.325	6.960	5963330.000	60.000	ug/ml
Aliphatic C12-C16	6.961	10.413	4348051.000	40.000	ug/ml
Aliphatic C16-C21	10.414	13.792	6703045.000	60.000	ug/ml
Aliphatic C21-C28	13.793	17.464	9284570.000	80.000	ug/ml
Aliphatic C28-C40	17.465	22.492	13756320.000	120.000	ug/ml
Aliphatic EPH	3.325	22.492	40055316.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080825AL\
Data File : FE055221.D
Signal(s) : FID1B.ch
Acq On : 08 Aug 2025 20:50
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 11 03:22:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.083	2494556	17.468 ug/ml
Spiked Amount	50.000		Recovery =	34.94%
12) S	1-chlorooctadecane (S...	13.519	1899476	17.666 ug/ml
Spiked Amount	50.000		Recovery =	35.33%
	Target Compounds			
1) T	n-Nonane (C9)	3.420	1912238	16.662 ug/ml
2) T	n-Decane (C10)	4.678	1997156	17.144 ug/ml
3) T	A~Naphthalene (C11.7)	6.398	2297741	17.118 ug/ml
4) T	n-Dodecane (C12)	6.854	2053936	17.248 ug/ml
5) T	A~2-methylnaphthalene...	7.499	2252091	17.273 ug/ml
6) T	n-Tetradecane (C14)	8.691	2114710	17.247 ug/ml
7) T	n-Hexadecane (C16)	10.306	2233341	17.469 ug/ml
8) T	n-Octadecane (C18)	11.756	2300402	17.631 ug/ml
10) T	n-Eicosane (C20)	13.071	2230172	17.774 ug/ml
11) T	n-Heneicosane (C21)	13.684	2172471	17.624 ug/ml
13) T	n-Docosane (C22)	14.273	2210508	18.101 ug/ml
14) T	n-Tetracosane (C24)	15.380	2308009	18.975 ug/ml
15) T	n-Hexacosane (C26)	16.403	2360625	19.730 ug/ml
16) T	n-Octacosane (C28)	17.356	2405428	20.278 ug/ml
17) T	n-Tricontane (C30)	18.246	2606550	21.183 ug/ml
18) T	n-Dotriacontane (C32)	19.080	2662829	21.824 ug/ml
19) T	n-Tetratriacontane (C34)	19.865	2399420	20.522 ug/ml
20) T	n-Hexatriacontane (C36)	20.607	2174536	19.895 ug/ml
21) T	n-Octatriacontane (C38)	21.387	2028953	18.774 ug/ml
22) T	n-Tetracontane (C40)	22.378	1884032	18.016 ug/ml

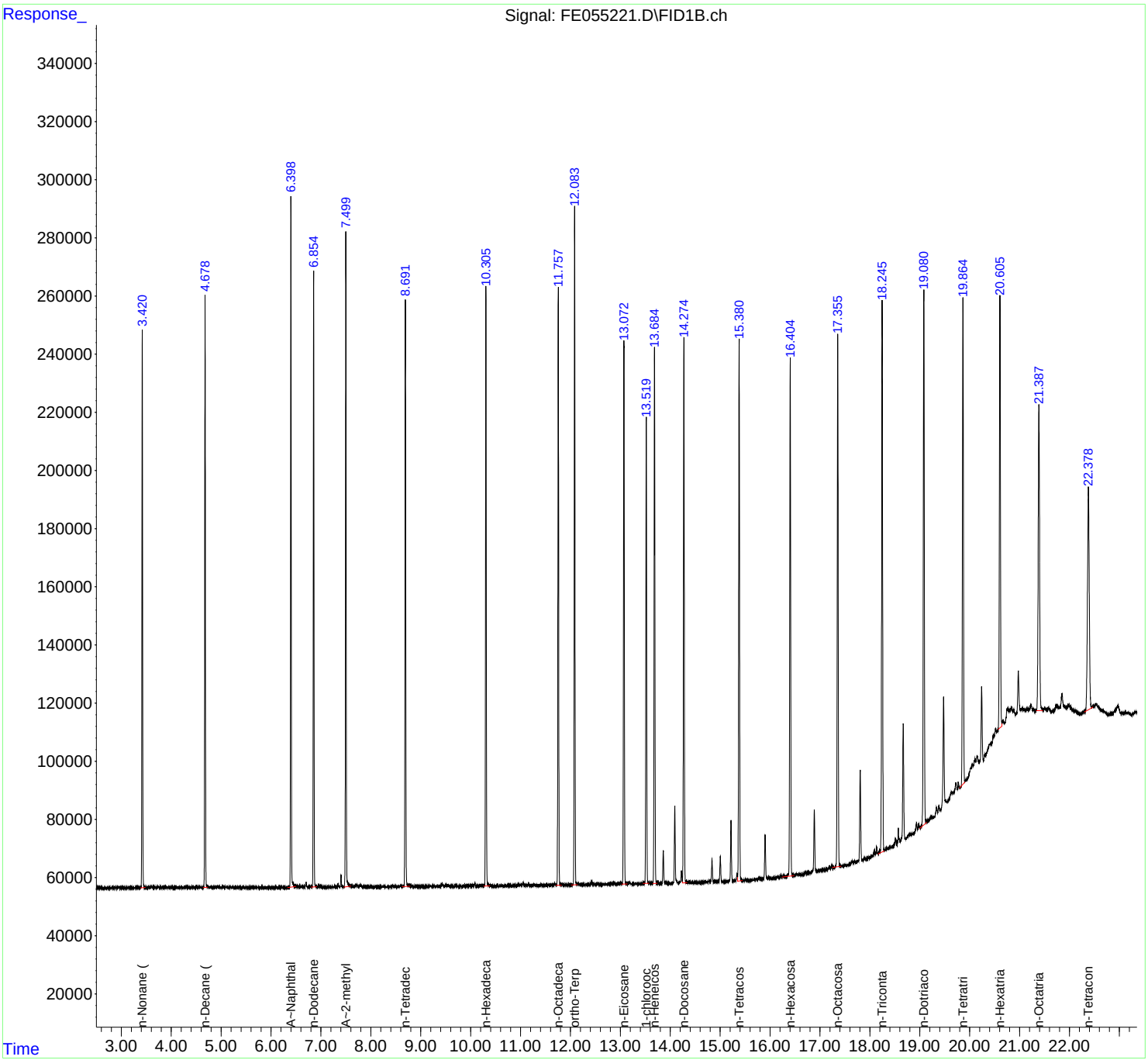
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080825AL\
Data File : FE055221.D
Signal(s) : FID1B.ch
Acq On : 08 Aug 2025 20:50
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 11 03:22:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080825AL\
Data File : FE055221.D
Signal(s) : FID1B.ch
Acq On : 08 Aug 2025 20:50
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.420	3.387	3.480	BB	191931	1912238	71.81%	3.903%
2	4.678	4.644	4.735	BB	203497	1997156	75.00%	4.076%
3	6.398	6.329	6.494	BB	237774	2297741	86.29%	4.689%
4	6.854	6.807	6.915	BB	211059	2053936	77.13%	4.192%
5	7.499	7.459	7.602	BB	225004	2252091	84.58%	4.596%
6	8.691	8.627	8.784	BB	200727	2114710	79.42%	4.316%
7	10.306	10.264	10.387	BB	205743	2233341	83.87%	4.558%
8	11.756	11.705	11.825	VB	206361	2300402	86.39%	4.695%
9	12.083	12.014	12.139	BV	234859	2494556	93.68%	5.091%
10	13.071	13.030	13.135	PB	187281	2230172	83.75%	4.551%
11	13.519	13.455	13.577	BB	160119	1899476	71.33%	3.877%
12	13.684	13.645	13.744	PB	184254	2172471	81.59%	4.434%
13	14.273	14.242	14.335	VB	187119	2210508	83.01%	4.511%
14	15.380	15.348	15.444	VB	186547	2308009	86.68%	4.710%
15	16.403	16.242	16.479	VV	176681	2360625	88.65%	4.818%
16	17.356	17.250	17.419	BV	181368	2405428	90.33%	4.909%
17	18.246	18.165	18.294	PV	189485	2606550	97.89%	5.320%
18	19.080	19.000	19.132	BV	183559	2662829	100.00%	5.434%
19	19.865	19.800	19.900	BV	166686	2399420	90.11%	4.897%
20	20.607	20.570	20.645	BV	147415	2174536	81.66%	4.438%
21	21.387	21.330	21.465	BV	105068	2028953	76.20%	4.141%
22	22.378	22.300	22.464	BV	76443	1884032	70.75%	3.845%
			Sum of corrected areas:			48999181		

Aliphatic EPH 080125.M Mon Aug 11 03:44:25 2025

QC SAMPLE DATA

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	3313 BAY AVENUE	Date Received:	
Client Sample ID:	PB169177BL	SDG No.:	Q2802
Lab Sample ID:	PB169177BL	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
08/08/25 09:37	08/08/25 15:21	PB169177

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	FC069621.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	FC069621.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:	Earth Engineering Inc.			Date Collected:	
Project:	3313 BAY AVENUE			Date Received:	
Client Sample ID:	PB169177BL			SDG No.:	Q2802
Lab Sample ID:	PB169177BL			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
FC069621.D	1	08/08/25	08/08/25	PB169177

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)	42.1		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.9		40 - 140	80%	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:	PB169177BL	Acq On:	08 Aug 2025 15:21
Client Sample ID:	PB169177BL	Operator:	YP/AJ
Data file:	FC069621.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.298	6.596	0	0	300	ug/ml
Aliphatic C12-C16	6.597	10.000	0	0	200	ug/ml
Aliphatic C16-C21	10.001	13.369	0	0	300	ug/ml
Aliphatic C21-C28	13.370	17.034	0	0	400	ug/ml
Aliphatic C28-C40	17.035	22.011	0	0	600	ug/ml
Aliphatic EPH	3.298	22.011	0	0		ug/ml
ortho-Terphenyl (SURR)	11.668	11.668	5945792	39.86		ug/ml
1-chlorooctadecane (SURR)	13.102	13.102	4587422	42.08		ug/ml
Aliphatic C9-C28	3.298	17.034	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080825AL\
Data File : FC069621.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 15:21
Operator : YP/AJ
Sample : PB169177BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB169177BL

Integration File: autoint1.e
Quant Time: Aug 11 01:17:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.668	5945792	39.855 ug/ml
Spiked Amount 50.000		Recovery =	79.71%
12) S 1-chlorooctadecane (S...	13.102	4587422	42.077 ug/ml
Spiked Amount 50.000		Recovery =	84.15%
Target Compounds			

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

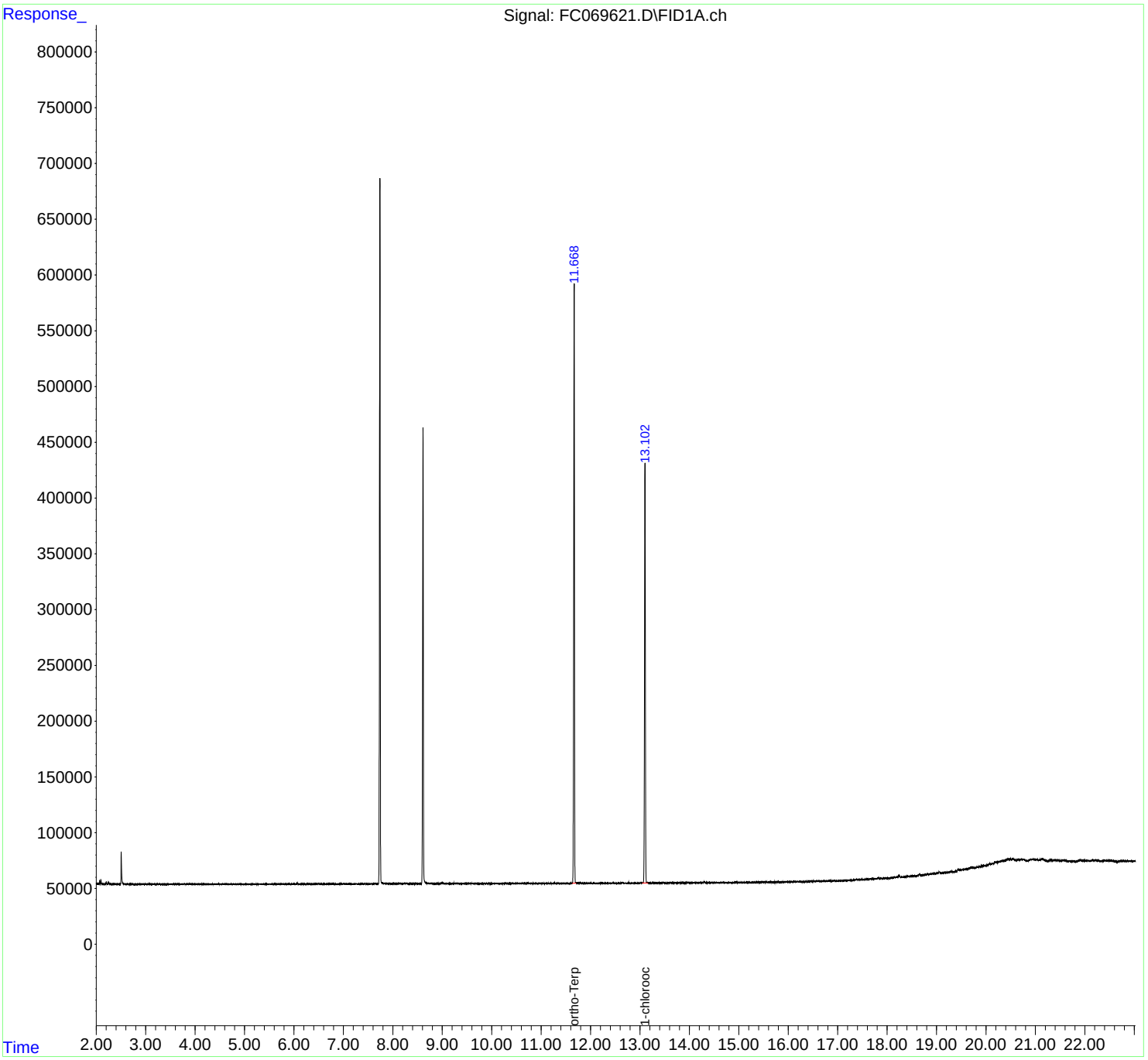
Quantitation Report (QT Reviewed)

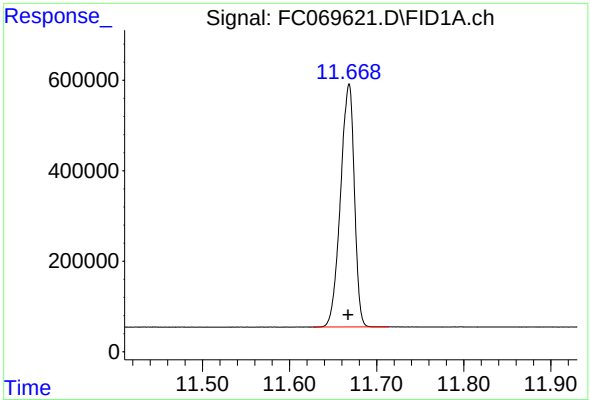
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080825AL\
Data File : FC069621.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 15:21
Operator : YP/AJ
Sample : PB169177BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB169177BL

Integration File: autoint1.e
Quant Time: Aug 11 01:17:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

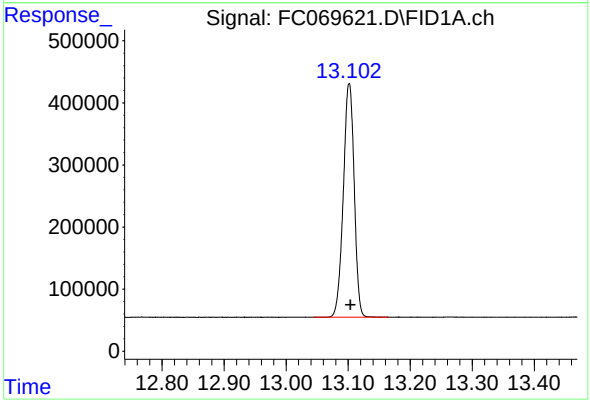




#9 ortho-Terphenyl (SURR)

R.T.: 11.668 min
Delta R.T.: 0.000 min
Response: 5945792
Conc: 39.86 ug/ml

Instrument :
FID_C
ClientSampleId :
PB169177BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.102 min
Delta R.T.: -0.002 min
Response: 4587422
Conc: 42.08 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080825AL\
Data File : FC069621.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 15:21
Sample : PB169177BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	11.668	11.627	11.714	BB	533074	5945792	100.00%	56.448%
2	13.102	13.044	13.165	BB	376843	4587422	77.15%	43.552%

Sum of corrected areas: 10533214

Aliphatic EPH 080125.M Mon Aug 11 02:03:34 2025

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	3313 BAY AVENUE	Date Received:	
Client Sample ID:	PB169177BS	SDG No.:	Q2802
Lab Sample ID:	PB169177BS	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
08/08/25 09:37	08/08/25 16:06	PB169177

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	21.7		1	1.18	2.00	mg/kg	FC069622.D
Aliphatic C9-C28	Aliphatic C9-C28	59.7		1	0.91	3.99	mg/kg	FC069622.D
Total AliphaticEPH	Total AliphaticEPH	81.4			2.09	5.99	mg/kg	
Total EPH	Total EPH	81.4			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:	Earth Engineering Inc.	Date Collected:	
Project:	3313 BAY AVENUE	Date Received:	
Client Sample ID:	PB169177BS	SDG No.:	Q2802
Lab Sample ID:	PB169177BS	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
FC069622.D	1	08/08/25	08/08/25	PB169177

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	59.7		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.2		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.9		40 - 140	72%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169177BS	Acq On:	08 Aug 2025 16:06
Client Sample ID:	PB169177BS	Operator:	YP/AJ
Data file:	FC069622.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.298	6.596	23916818	165.309	300	ug/ml
Aliphatic C12-C16	6.597	10.000	29319332	204.408	200	ug/ml
Aliphatic C16-C21	10.001	13.369	31155267	233.266	300	ug/ml
Aliphatic C21-C28	13.370	17.034	34786125	294.031	400	ug/ml
Aliphatic C28-C40	17.035	22.011	30975361	324.978	600	ug/ml
Aliphatic EPH	3.298	22.011	150152903	1220		ug/ml
ortho-Terphenyl (SURR)	11.668	11.668	5359820	35.93		ug/ml
1-chlorooctadecane (SURR)	13.102	13.102	4168527	38.24		ug/ml
Aliphatic C9-C28	3.298	17.034	119177542	897.014	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080825AL\
Data File : FC069622.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 16:06
Operator : YP/AJ
Sample : PB169177BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB169177BS

Integration File: autoint1.e
Quant Time: Aug 11 01:17:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.668	5359820	35.927 ug/ml
Spiked Amount	50.000		Recovery =	71.85%
12)	S 1-chlorooctadecane (S...	13.102	4168527	38.235 ug/ml
Spiked Amount	50.000		Recovery =	76.47%
	Target Compounds			
1)	T n-Nonane (C9)	3.407	4343361	30.486 ug/ml
2)	T n-Decane (C10)	4.476	4572049	31.449 ug/ml
3)	T A~Naphthalene (C11.7)	6.067	5289110	34.087 ug/ml
4)	T n-Dodecane (C12)	6.496	4689419	32.079 ug/ml
5)	T A~2-methylnaphthalene...	7.126	4856388	32.975 ug/ml
6)	T n-Tetradecane (C14)	8.297	4604029	32.261 ug/ml
7)	T n-Hexadecane (C16)	9.899	4623011	32.069 ug/ml
8)	T n-Octadecane (C18)	11.344	4479665	31.678 ug/ml
10)	T n-Eicosane (C20)	12.656	4467431	33.914 ug/ml
11)	T n-Heneicosane (C21)	13.268	4266092	33.448 ug/ml
13)	T n-Docosane (C22)	13.856	4163214	33.327 ug/ml
14)	T n-Tetracosane (C24)	14.954	8088226	67.027 ug/ml
15)	T n-Hexacosane (C26)	15.985	3831964	33.163 ug/ml
16)	T n-Octacosane (C28)	16.935	3669302	32.736 ug/ml
17)	T n-Tricontane (C30)	17.825	3583622	31.299 ug/ml
18)	T n-Dotriacontane (C32)	18.657	3475370	31.287 ug/ml
19)	T n-Tetratriacontane (C34)	19.442	3437072	33.755 ug/ml
20)	T n-Hexatriacontane (C36)	20.182	3060608	34.325 ug/ml
21)	T n-Octatriacontane (C38)	20.946	2886976	35.889 ug/ml
22)	T n-Tetracontane (C40)	21.910	2686470	35.876 ug/ml

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

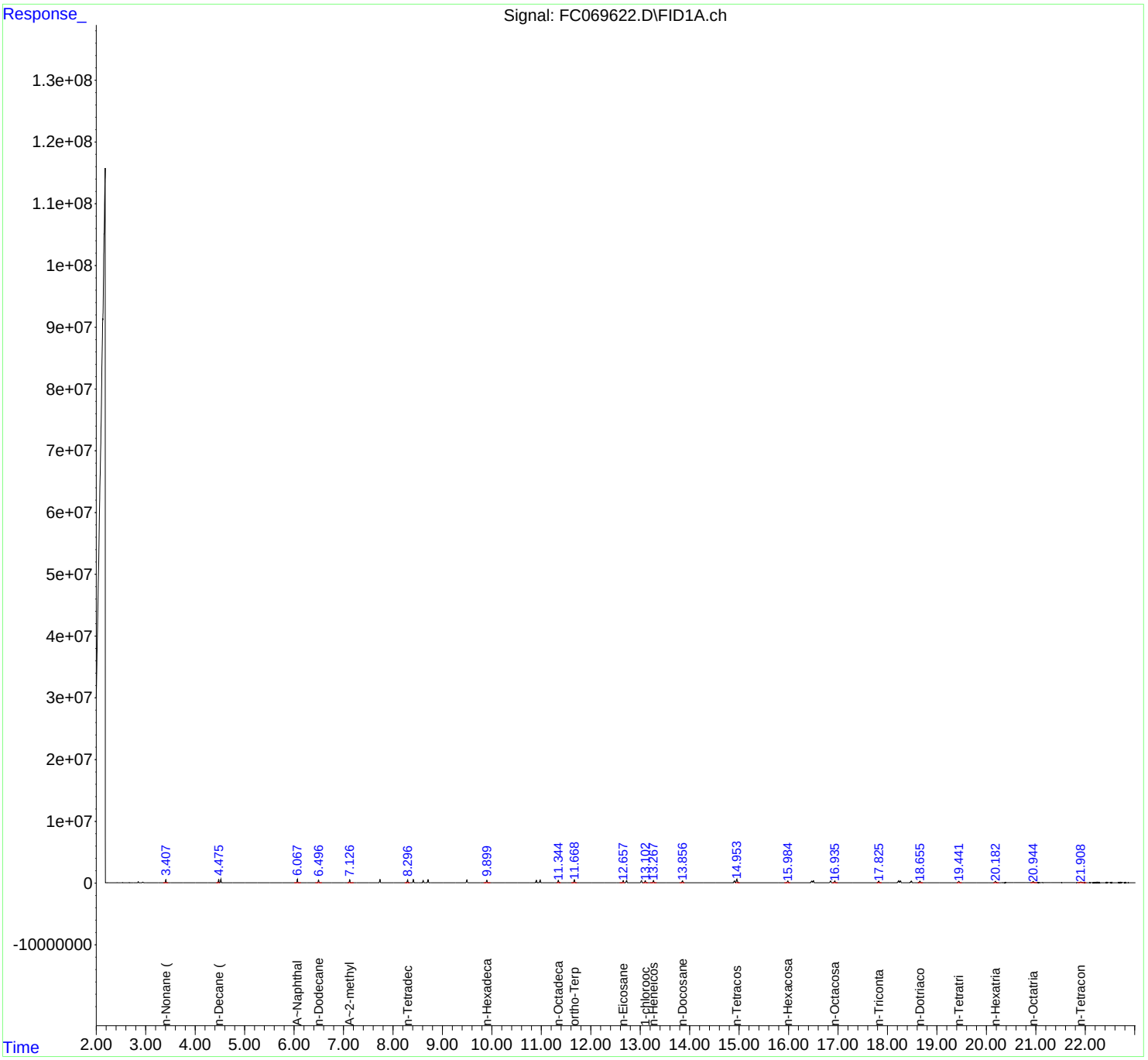
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080825AL\
Data File : FC069622.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 16:06
Operator : YP/AJ
Sample : PB169177BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB169177BS

Integration File: autoint1.e
Quant Time: Aug 11 01:17:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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_C\Data\FC080825AL\
Data File : FC069622.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 16:06
Sample : PB169177BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.407	3.355	3.454	BB	523138	4343361	53.70%	2.720%
2	4.476	4.424	4.497	BV	520370	4572049	56.53%	2.863%
3	4.519	4.497	4.564	VV	563907	5022879	62.10%	3.146%
4	6.067	6.004	6.139	BB	583230	5289110	65.39%	3.312%
5	6.496	6.430	6.560	BB	472586	4689419	57.98%	2.937%
6	7.126	7.077	7.204	BB	497361	4856388	60.04%	3.041%
7	8.297	8.239	8.342	BB	439314	4604029	56.92%	2.883%
8	8.412	8.347	8.469	BB	527121	5115192	63.24%	3.203%
9	8.710	8.674	8.754	BB	504568	5094688	62.99%	3.191%
10	9.495	9.434	9.572	BB	491596	5026024	62.14%	3.148%
11	9.899	9.835	9.970	BB	428551	4623011	57.16%	2.895%
12	10.901	10.825	10.942	BV	422528	4666278	57.69%	2.922%
13	10.977	10.942	11.035	VV	437927	4636912	57.33%	2.904%
14	11.344	11.310	11.394	BB	399990	4479665	55.39%	2.805%
15	11.668	11.609	11.719	BB	496660	5359820	66.27%	3.357%
16	12.656	12.585	12.689	BV	377222	4467431	55.23%	2.798%
17	12.725	12.689	12.759	VB	384481	4327863	53.51%	2.710%
18	13.025	12.957	13.056	BV	377600	4311026	53.30%	2.700%
19	13.102	13.056	13.159	VB	351681	4168527	51.54%	2.611%
20	13.268	13.199	13.330	BB	335831	4266092	52.74%	2.672%
21	13.856	13.795	13.895	BB	332687	4163214	51.47%	2.607%
22	14.906	14.835	14.927	BV	309181	4071116	50.33%	2.550%
23	14.954	14.927	15.015	VB	587292	8088226	100.00%	5.065%
24	15.985	15.915	16.032	BB	306436	3831964	47.38%	2.400%
25	16.468	16.395	16.484	BV	279073	3999669	49.45%	2.505%
26	16.503	16.484	16.542	VB	341845	4006519	49.54%	2.509%
27	16.850	16.830	16.882	BV	269426	2956115	36.55%	1.851%
28	16.935	16.882	16.992	PB	270374	3669302	45.37%	2.298%
29	17.825	17.780	17.882	BB	272920	3583622	44.31%	2.244%
30	18.226	18.150	18.240	BV	303468	4176350	51.63%	2.615%
31	18.263	18.240	18.302	VB	304138	3887220	48.06%	2.434%
32	18.483	18.402	18.530	BB	267971	3781673	46.76%	2.368%
33	18.657	18.610	18.715	BB	251216	3475370	42.97%	2.176%
34	19.442	19.400	19.504	BB	229334	3437072	42.49%	2.152%
35	20.182	20.140	20.250	BV	218417	3060608	37.84%	1.917%
36	20.946	20.890	21.029	BB	151745	2886976	35.69%	1.808%

rteres

37	21.910	21.840	22.020	BB	104508	2686470	33.21%	1.682%

Sum of corrected areas: 159681247

Aliphatic EPH 080125.M Mon Aug 11 02:04:48 2025

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	3313 BAY AVENUE	Date Received:	
Client Sample ID:	PB169177BSD	SDG No.:	Q2802
Lab Sample ID:	PB169177BSD	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
08/08/25 09:37	08/08/25 16:51	PB169177

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	21.9		1	1.18	2.00	mg/kg	FC069623.D
Aliphatic C9-C28	Aliphatic C9-C28	60.7		1	0.91	3.99	mg/kg	FC069623.D
Total AliphaticEPH	Total AliphaticEPH	82.6			2.09	5.99	mg/kg	
Total EPH	Total EPH	82.6			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:	Earth Engineering Inc.	Date Collected:	
Project:	3313 BAY AVENUE	Date Received:	
Client Sample ID:	PB169177BSD	SDG No.:	Q2802
Lab Sample ID:	PB169177BSD	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
FC069623.D	1	08/08/25	08/08/25	PB169177

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	60.7		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.9		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.8		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.5		40 - 140	73%	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:	PB169177BSD	Acq On:	08 Aug 2025 16:51
Client Sample ID:	PB169177BSD	Operator:	YP/AJ
Data file:	FC069623.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.298	6.596	24320899	168.102	300	ug/ml
Aliphatic C12-C16	6.597	10.000	29904448	208.488	200	ug/ml
Aliphatic C16-C21	10.001	13.369	31621408	236.756	300	ug/ml
Aliphatic C21-C28	13.370	17.034	35201869	297.545	400	ug/ml
Aliphatic C28-C40	17.035	22.011	31340455	328.809	600	ug/ml
Aliphatic EPH	3.298	22.011	152389079	1240		ug/ml
ortho-Terphenyl (SURR)	11.667	11.667	5442131	36.48		ug/ml
1-chlorooctadecane (SURR)	13.102	13.102	4228814	38.79		ug/ml
Aliphatic C9-C28	3.298	17.034	121048624	910.891	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080825AL\
Data File : FC069623.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 16:51
Operator : YP/AJ
Sample : PB169177BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB169177BSD

Integration File: autoint1.e
Quant Time: Aug 11 01:18:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.667	5442131	36.479 ug/ml
Spiked Amount	50.000		Recovery =	72.96%
12) S	1-chlorooctadecane (S...	13.102	4228814	38.788 ug/ml
Spiked Amount	50.000		Recovery =	77.58%
	Target Compounds			
1) T	n-Nonane (C9)	3.407	4408819	30.945 ug/ml
2) T	n-Decane (C10)	4.475	4645983	31.957 ug/ml
3) T	A~Naphthalene (C11.7)	6.067	5389629	34.735 ug/ml
4) T	n-Dodecane (C12)	6.496	4773356	32.653 ug/ml
5) T	A~2-methylnaphthalene...	7.126	4953289	33.633 ug/ml
6) T	n-Tetradecane (C14)	8.296	4696215	32.907 ug/ml
7) T	n-Hexadecane (C16)	9.898	4713522	32.697 ug/ml
8) T	n-Octadecane (C18)	11.344	4569154	32.311 ug/ml
10) T	n-Eicosane (C20)	12.656	4538196	34.451 ug/ml
11) T	n-Heneicosane (C21)	13.268	4327256	33.928 ug/ml
13) T	n-Docosane (C22)	13.856	4217228	33.759 ug/ml
14) T	n-Tetracosane (C24)	14.954	8176375	67.757 ug/ml
15) T	n-Hexacosane (C26)	15.984	3867533	33.471 ug/ml
16) T	n-Octacosane (C28)	16.933	3705559	33.059 ug/ml
17) T	n-Tricontane (C30)	17.823	3627598	31.683 ug/ml
18) T	n-Dotriacontane (C32)	18.657	3516086	31.653 ug/ml
19) T	n-Tetratriacontane (C34)	19.442	3482659	34.203 ug/ml
20) T	n-Hexatriacontane (C36)	20.183	3073933	34.475 ug/ml
21) T	n-Octatriacontane (C38)	20.948	2914306	36.228 ug/ml
22) T	n-Tetracontane (C40)	21.910	2678591	35.771 ug/ml

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

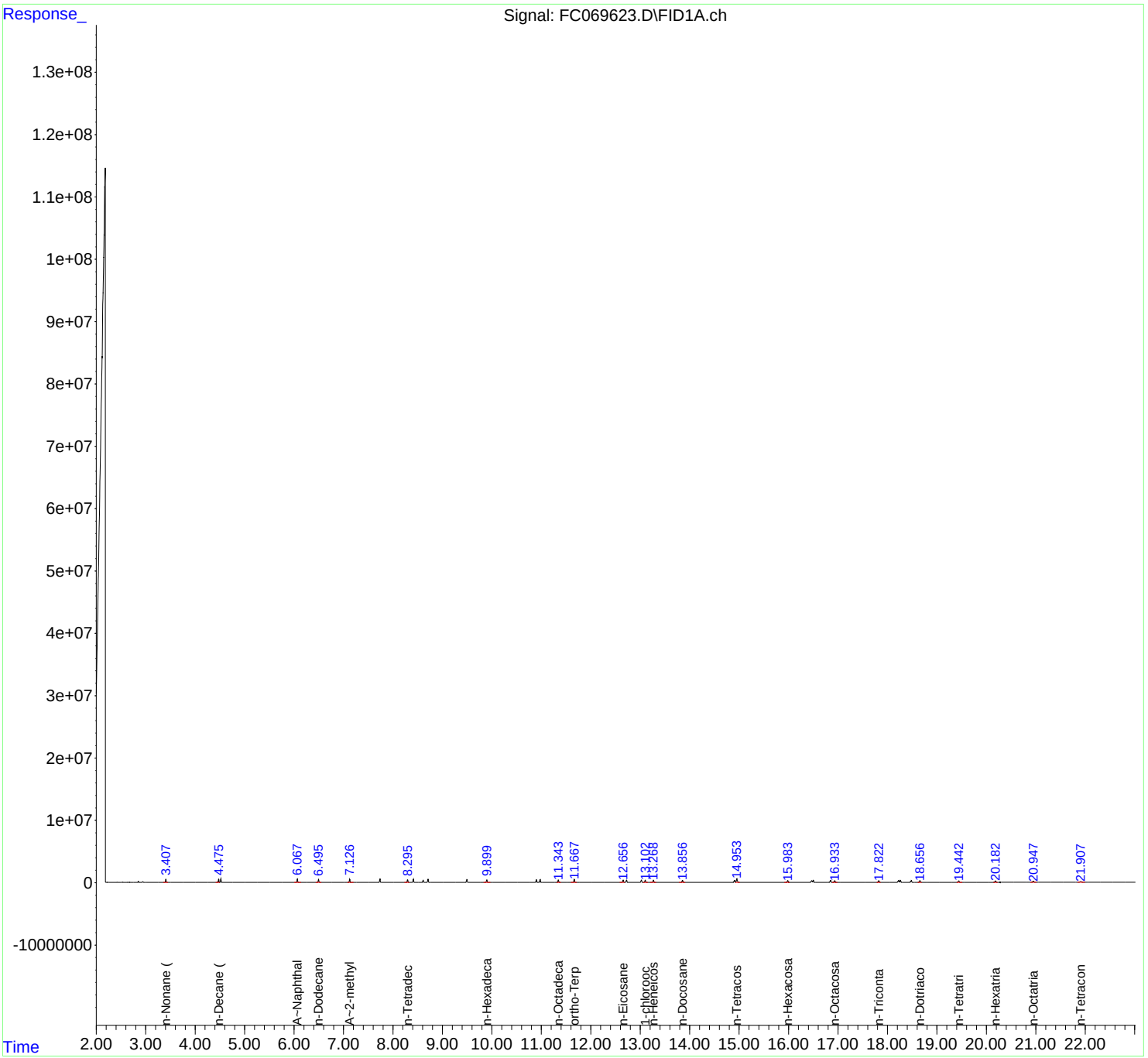
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080825AL\
Data File : FC069623.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 16:51
Operator : YP/AJ
Sample : PB169177BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB169177BSD

Integration File: autoint1.e
Quant Time: Aug 11 01:18:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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_C\Data\FC080825AL\
Data File : FC069623.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 16:51
Sample : PB169177BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.407	3.355	3.450	BB	530811	4408819	53.92%	2.720%
2	4.475	4.415	4.497	BV	525639	4645983	56.82%	2.867%
3	4.519	4.497	4.562	VV	577805	5103112	62.41%	3.149%
4	6.067	6.004	6.140	BB	583740	5389629	65.92%	3.326%
5	6.496	6.439	6.552	BB	491312	4773356	58.38%	2.945%
6	7.126	7.077	7.202	BB	509150	4953289	60.58%	3.056%
7	8.296	8.232	8.330	BB	433853	4696215	57.44%	2.898%
8	8.412	8.347	8.472	BB	527082	5219757	63.84%	3.221%
9	8.710	8.672	8.757	PB	518721	5199549	63.59%	3.208%
10	9.495	9.437	9.552	BB	490378	5122116	62.65%	3.161%
11	9.898	9.832	9.970	BB	428651	4713522	57.65%	2.909%
12	10.901	10.824	10.937	BV	457321	4739005	57.96%	2.924%
13	10.977	10.937	11.035	VV	455279	4709025	57.59%	2.906%
14	11.344	11.310	11.395	BB	403921	4569154	55.88%	2.819%
15	11.667	11.597	11.717	BB	492867	5442131	66.56%	3.358%
16	12.656	12.585	12.687	BV	386914	4538196	55.50%	2.800%
17	12.724	12.687	12.787	VB	385083	4382715	53.60%	2.704%
18	13.024	12.952	13.057	BV	387283	4356057	53.28%	2.688%
19	13.102	13.057	13.157	VB	357756	4228814	51.72%	2.609%
20	13.268	13.197	13.324	BB	359961	4327256	52.92%	2.670%
21	13.856	13.785	13.909	BB	328987	4217228	51.58%	2.602%
22	14.907	14.834	14.926	BV	324927	4115007	50.33%	2.539%
23	14.954	14.926	15.015	VB	580252	8176375	100.00%	5.045%
24	15.984	15.914	16.020	BB	300063	3867533	47.30%	2.386%
25	16.469	16.402	16.484	BV	282063	4060007	49.66%	2.505%
26	16.502	16.484	16.540	VB	358237	4047151	49.50%	2.497%
27	16.850	16.830	16.880	BV	285590	3013009	36.85%	1.859%
28	16.933	16.880	16.989	PB	276969	3705559	45.32%	2.287%
29	17.823	17.780	17.862	BB	259198	3627598	44.37%	2.238%
30	18.226	18.147	18.241	BV	291961	4266623	52.18%	2.633%
31	18.262	18.241	18.317	VB	304828	3938312	48.17%	2.430%
32	18.482	18.412	18.539	BB	290031	3842347	46.99%	2.371%
33	18.657	18.610	18.692	BB	250501	3516086	43.00%	2.170%
34	19.442	19.400	19.512	BB	232454	3482659	42.59%	2.149%
35	20.183	20.140	20.227	BV	209003	3073933	37.60%	1.897%
36	20.948	20.890	21.015	BB	158076	2914306	35.64%	1.798%

rteres

37	21.910	21.840	21.994	BB	104644	2678591	32.76%	1.653%

Sum of corrected areas: 162060022

Aliphatic EPH 080125.M Mon Aug 11 02:06:15 2025

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	3313 BAY AVENUE	Date Received:	
Client Sample ID:	TP-6MS	SDG No.:	Q2802
Lab Sample ID:	Q2798-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
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
08/08/25 09:37	08/08/25 19:03	PB169177

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	33.9		1	1.32	2.24	mg/kg	FC069626.D
Aliphatic C9-C28	Aliphatic C9-C28	58.6		1	1.02	4.48	mg/kg	FC069626.D
Total AliphaticEPH	Total AliphaticEPH	92.5			2.34	6.72	mg/kg	
Total EPH	Total EPH	92.5			2.34	6.72	mg/kg	

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

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

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	3313 BAY AVENUE	Date Received:	
Client Sample ID:	TP-6MS	SDG No.:	Q2802
Lab Sample ID:	Q2798-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
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
FC069626.D	1	08/08/25	08/08/25	PB169177

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	58.6		1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	33.9		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.6		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.6		40 - 140	59%	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:	Q2798-01MS	Acq On:	08 Aug 2025 19:03
Client Sample ID:	TP-6MS	Operator:	YP/AJ
Data file:	FC069626.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.298	6.596	16727765	115.62	300	ug/ml
Aliphatic C12-C16	6.597	10.000	25851838	180.234	200	ug/ml
Aliphatic C16-C21	10.001	13.369	29790128	223.045	300	ug/ml
Aliphatic C21-C28	13.370	17.034	31402987	265.435	400	ug/ml
Aliphatic C28-C40	17.035	22.011	43235079	453.601	600	ug/ml
Aliphatic EPH	3.298	22.011	147007797	1240		ug/ml
ortho-Terphenyl (SURR)	11.667	11.667	4408308	29.55		ug/ml
1-chlorooctadecane (SURR)	13.103	13.103	3334171	30.58		ug/ml
Aliphatic C9-C28	3.298	17.034	103772718	784.334	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080825AL\
Data File : FC069626.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 19:03
Operator : YP/AJ
Sample : Q2798-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
TP-6MS

Integration File: autoint1.e
Quant Time: Aug 11 01:19:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.667	4408308	29.549 ug/ml
Spiked Amount	50.000		Recovery =	59.10%
12) S	1-chlorooctadecane (S...	13.103	3334171	30.582 ug/ml
Spiked Amount	50.000		Recovery =	61.16%
	Target Compounds			
1) T	n-Nonane (C9)	3.398	2589494	18.175 ug/ml
2) T	n-Decane (C10)	4.471	3043259	20.933 ug/ml
3) T	A~Naphthalene (C11.7)	6.066	3805541	24.526 ug/ml
4) T	n-Dodecane (C12)	6.495	3484137	23.834 ug/ml
5) T	A~2-methylnaphthalene...	7.126	3654258	24.813 ug/ml
6) T	n-Tetradecane (C14)	8.296	3603323	25.249 ug/ml
7) T	n-Hexadecane (C16)	9.899	3738585	25.934 ug/ml
8) T	n-Octadecane (C18)	11.344	3684711	26.057 ug/ml
10) T	n-Eicosane (C20)	12.656	3690631	28.017 ug/ml
11) T	n-Heneicosane (C21)	13.268	3506049	27.489 ug/ml
13) T	n-Docosane (C22)	13.856	3431437	27.469 ug/ml
14) T	n-Tetracosane (C24)	14.953	6714192	55.640 ug/ml
15) T	n-Hexacosane (C26)	15.984	3223734	27.899 ug/ml
16) T	n-Octacosane (C28)	16.935	3113755	27.779 ug/ml
17) T	n-Tricontane (C30)	17.825	3018643	26.365 ug/ml
18) T	n-Dotriacontane (C32)	18.659	2986911	26.889 ug/ml
19) T	n-Tetratriacontane (C34)	19.444	3027589	29.734 ug/ml
20) T	n-Hexatriacontane (C36)	20.186	2660589	29.839 ug/ml
21) T	n-Octatriacontane (C38)	20.950	2471966	30.730 ug/ml
22) T	n-Tetracontane (C40)	21.914	2224793	29.711 ug/ml

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

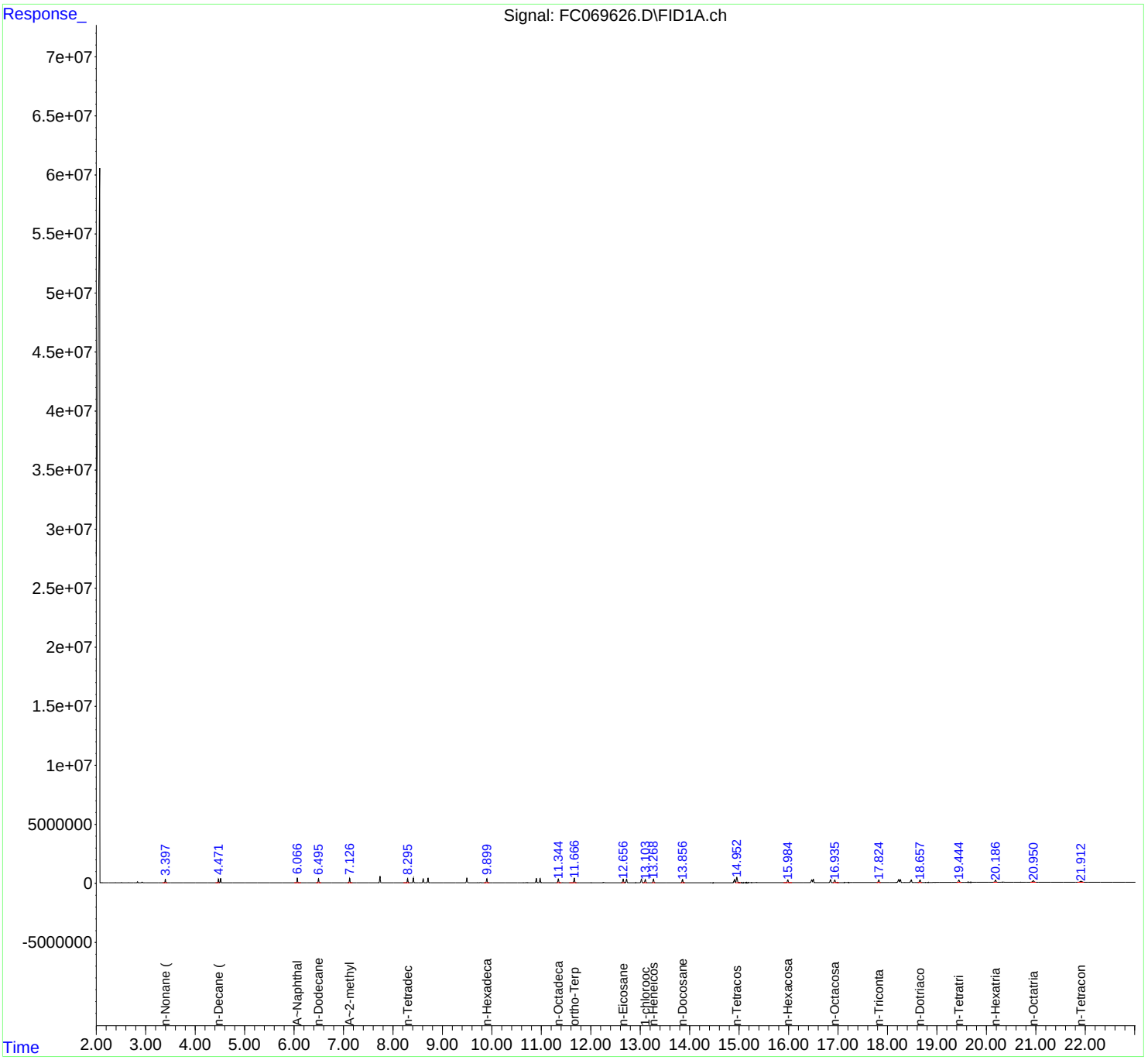
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080825AL\
Data File : FC069626.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 19:03
Operator : YP/AJ
Sample : Q2798-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
TP-6MS

Integration File: autoint1.e
Quant Time: Aug 11 01:19:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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_C\Data\FC080825AL\
Data File : FC069626.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 19:03
Sample : Q2798-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.222	3.204	3.237	BV	151	1785	0.03%	0.001%
2	3.252	3.237	3.320	PV	353	10175	0.15%	0.007%
3	3.331	3.320	3.367	PV	78	1274	0.02%	0.001%
4	3.398	3.367	3.491	PV	311631	2607222	38.73%	1.683%
5	3.523	3.491	3.541	VV	281	6070	0.09%	0.004%
6	3.550	3.541	3.563	VV	252	2571	0.04%	0.002%
7	3.597	3.563	3.630	VV	268	6491	0.10%	0.004%
8	3.642	3.630	3.650	VV	149	1313	0.02%	0.001%
9	3.691	3.650	3.741	VV	865	17762	0.26%	0.011%
10	3.750	3.741	3.764	VV	293	3457	0.05%	0.002%
11	3.784	3.764	3.834	VV	2762	25998	0.39%	0.017%
12	3.844	3.834	3.859	VV	172	1588	0.02%	0.001%
13	3.881	3.859	3.928	VV	2077	21773	0.32%	0.014%
14	3.944	3.928	3.954	PV	253	2500	0.04%	0.002%
15	3.962	3.954	3.967	VV	227	1366	0.02%	0.001%
16	3.977	3.967	4.033	VV	257	6081	0.09%	0.004%
17	4.053	4.033	4.060	VV	308	3383	0.05%	0.002%
18	4.069	4.060	4.083	VV	394	4212	0.06%	0.003%
19	4.095	4.083	4.124	VV	525	8151	0.12%	0.005%
20	4.131	4.124	4.155	VV	285	3989	0.06%	0.003%
21	4.238	4.155	4.261	VV	398	13330	0.20%	0.009%
22	4.271	4.261	4.288	VV	280	3074	0.05%	0.002%
23	4.311	4.288	4.350	VV	327	7566	0.11%	0.005%
24	4.386	4.350	4.406	VV	265	5740	0.09%	0.004%
25	4.424	4.406	4.441	VV	280	4584	0.07%	0.003%
26	4.471	4.441	4.493	VV	342055	3049435	45.30%	1.968%
27	4.515	4.493	4.559	VV	370380	3290792	48.89%	2.124%
28	4.576	4.559	4.601	VV	3572	38474	0.57%	0.025%
29	4.622	4.601	4.658	VV	5857	59519	0.88%	0.038%
30	4.672	4.658	4.708	VV	341	7197	0.11%	0.005%
31	4.724	4.708	4.741	VV	393	4906	0.07%	0.003%
32	4.758	4.741	4.787	VV	329	5609	0.08%	0.004%
33	4.804	4.787	4.821	VV	257	3427	0.05%	0.002%
34	4.856	4.821	4.871	VV	307	6110	0.09%	0.004%
35	4.885	4.871	4.938	VV	318	6425	0.10%	0.004%
36	4.950	4.938	4.978	VV	195	2531	0.04%	0.002%

rteres

37	4.998	4.978	5.006	PV	110	1291	0.02%	0.001%
38	5.060	5.006	5.089	VV	323	7361	0.11%	0.005%
39	5.108	5.089	5.139	VV	262	4444	0.07%	0.003%
40	5.164	5.139	5.184	VV	165	2989	0.04%	0.002%
41	5.195	5.184	5.208	VV	248	2585	0.04%	0.002%
42	5.215	5.208	5.256	VV	183	3381	0.05%	0.002%
43	5.280	5.256	5.307	VV	181	3361	0.05%	0.002%
44	5.327	5.307	5.358	VV	522	6929	0.10%	0.004%
45	5.369	5.358	5.381	VV	127	1625	0.02%	0.001%
46	5.397	5.381	5.454	VV	188	4057	0.06%	0.003%
47	5.463	5.454	5.485	PV	149	946	0.01%	0.001%
48	5.509	5.485	5.525	VV	1255	12464	0.19%	0.008%
49	5.538	5.525	5.571	VV	586	8433	0.13%	0.005%
50	5.576	5.571	5.594	VV	189	1664	0.02%	0.001%
51	5.612	5.594	5.663	VV	245	5568	0.08%	0.004%
52	5.701	5.663	5.724	VV	305	5951	0.09%	0.004%
53	5.747	5.724	5.778	VV	233	5296	0.08%	0.003%
54	5.802	5.778	5.838	VV	276	5786	0.09%	0.004%
55	5.851	5.838	5.888	VV	258	4372	0.06%	0.003%
56	5.918	5.888	5.951	VV	229	4558	0.07%	0.003%
57	5.968	5.951	5.987	VV	188	2082	0.03%	0.001%
58	6.017	5.987	6.027	PV	243	3389	0.05%	0.002%
59	6.066	6.027	6.140	VV	413819	3825928	56.84%	2.470%
60	6.151	6.140	6.183	VV	539	10145	0.15%	0.007%
61	6.210	6.183	6.274	VV	505	16613	0.25%	0.011%
62	6.308	6.274	6.321	VV	389	5854	0.09%	0.004%
63	6.339	6.321	6.392	VV	524	12511	0.19%	0.008%
64	6.402	6.392	6.413	VV	265	2654	0.04%	0.002%
65	6.440	6.413	6.463	VV	306	8210	0.12%	0.005%
66	6.495	6.463	6.548	VV	355574	3498327	51.97%	2.258%
67	6.563	6.548	6.581	VV	809	10227	0.15%	0.007%
68	6.594	6.581	6.623	VV	298	4844	0.07%	0.003%
69	6.643	6.623	6.670	VV	605	9537	0.14%	0.006%
70	6.689	6.670	6.712	VV	369	5286	0.08%	0.003%
71	6.769	6.712	6.797	PV	267	5164	0.08%	0.003%
72	6.824	6.797	6.848	VV	230	3719	0.06%	0.002%
73	6.881	6.848	6.896	VV	364	6021	0.09%	0.004%
74	6.913	6.896	6.926	VV	217	3227	0.05%	0.002%
75	6.968	6.926	7.008	VV	3253	45013	0.67%	0.029%
76	7.030	7.008	7.083	VV	8264	86513	1.29%	0.056%
77	7.126	7.083	7.180	PV	374247	3665833	54.46%	2.366%
78	7.198	7.180	7.211	VV	1012	13182	0.20%	0.009%
79	7.220	7.211	7.244	VV	602	7175	0.11%	0.005%
80	7.261	7.244	7.291	VV	1506	19110	0.28%	0.012%
81	7.315	7.291	7.332	VV	1728	23344	0.35%	0.015%
82	7.341	7.332	7.368	VV	799	8730	0.13%	0.006%
83	7.392	7.368	7.403	VV	874	10494	0.16%	0.007%
84	7.420	7.403	7.454	VV	1673	20296	0.30%	0.013%
85	7.472	7.454	7.491	VV	370	5502	0.08%	0.004%
86	7.516	7.491	7.541	VV	406	6688	0.10%	0.004%
87	7.558	7.541	7.569	VV	308	3811	0.06%	0.002%
88	7.599	7.569	7.627	VV	855	14049	0.21%	0.009%
89	7.640	7.627	7.667	VV	256	3056	0.05%	0.002%

rteres

90	7.869	7.795	7.893	VV	1153	43682	0.65%	0.028%
91	7.903	7.893	7.928	VV	653	9509	0.14%	0.006%
92	7.944	7.928	7.961	VV	505	7451	0.11%	0.005%
93	7.990	7.961	8.015	VV	1752	29733	0.44%	0.019%
94	8.040	8.015	8.086	VV	2516	48719	0.72%	0.031%
95	8.114	8.086	8.132	VV	2130	32362	0.48%	0.021%
96	8.179	8.132	8.213	VV	1582	52765	0.78%	0.034%
97	8.225	8.213	8.237	VV	1018	13363	0.20%	0.009%
98	8.252	8.237	8.262	VV	1066	14522	0.22%	0.009%
99	8.296	8.262	8.330	VV	347495	3640493	54.08%	2.350%
100	8.342	8.330	8.361	VV	1286	19880	0.30%	0.013%
101	8.412	8.361	8.442	VV	400330	3993695	59.33%	2.578%
102	8.463	8.442	8.501	VV	6061	103330	1.54%	0.067%
103	8.521	8.501	8.534	VV	1359	22952	0.34%	0.015%
104	8.566	8.534	8.581	VV	1711	40523	0.60%	0.026%
105	8.709	8.674	8.741	VV	399595	4049398	60.16%	2.614%
106	8.759	8.741	8.784	VV	6128	93003	1.38%	0.060%
107	8.798	8.784	8.807	VV	2820	33693	0.50%	0.022%
108	8.827	8.807	8.856	VV	6376	105597	1.57%	0.068%
109	8.916	8.856	8.943	VV	2130	86825	1.29%	0.056%
110	8.980	8.943	9.024	VV	3028	100690	1.50%	0.065%
111	9.047	9.024	9.082	VV	2482	67244	1.00%	0.043%
112	9.117	9.082	9.173	VV	3849	112437	1.67%	0.073%
113	9.203	9.173	9.234	VV	2123	62021	0.92%	0.040%
114	9.275	9.234	9.285	VV	1539	43576	0.65%	0.028%
115	9.303	9.285	9.314	VV	1573	25808	0.38%	0.017%
116	9.335	9.314	9.384	VV	2065	71653	1.06%	0.046%
117	9.435	9.384	9.460	VV	2553	89600	1.33%	0.058%
118	9.494	9.460	9.549	VV	395615	4148322	61.63%	2.678%
119	9.573	9.549	9.637	VV	3697	134229	1.99%	0.087%
120	9.675	9.637	9.688	VV	3507	81193	1.21%	0.052%
121	9.706	9.688	9.743	VV	7479	121980	1.81%	0.079%
122	9.768	9.743	9.801	VV	26846	323737	4.81%	0.209%
123	9.810	9.801	9.825	VV	2421	32932	0.49%	0.021%
124	9.899	9.825	9.948	VV	348700	3903561	57.99%	2.520%
125	9.956	9.948	9.970	VV	2320	28750	0.43%	0.019%
126	10.000	9.970	10.051	VV	2322	96860	1.44%	0.063%
127	10.072	10.051	10.088	VV	2020	40487	0.60%	0.026%
128	10.104	10.088	10.154	VV	2039	76525	1.14%	0.049%
129	10.176	10.154	10.194	VV	2193	44456	0.66%	0.029%
130	10.241	10.194	10.259	VV	3095	83861	1.25%	0.054%
131	10.287	10.259	10.311	VV	5975	113991	1.69%	0.074%
132	10.341	10.311	10.358	VV	2782	69091	1.03%	0.045%
133	10.375	10.358	10.398	VV	2725	57841	0.86%	0.037%
134	10.414	10.398	10.427	VV	3298	47798	0.71%	0.031%
135	10.438	10.427	10.463	VV	3237	55472	0.82%	0.036%
136	10.489	10.463	10.500	VV	2173	44974	0.67%	0.029%
137	10.552	10.500	10.583	VV	3115	125492	1.86%	0.081%
138	10.598	10.583	10.607	VV	2873	39237	0.58%	0.025%
139	10.636	10.607	10.675	VV	5747	137590	2.04%	0.089%
140	10.707	10.675	10.815	VV	13556	355952	5.29%	0.230%
141	10.900	10.815	10.940	VV	373044	3986939	59.23%	2.574%

142	10.976	10.940	11.019	VV	362702	3902922	57.98%	2.519%
143	11.029	11.019	11.077	VV	3287	95290	1.42%	0.062%
144	11.090	11.077	11.108	VV	2217	39690	0.59%	0.026%
145	11.145	11.108	11.165	VV	3352	85008	1.26%	0.055%
146	11.189	11.165	11.234	VV	3308	108092	1.61%	0.070%
147	11.272	11.234	11.290	VV	2550	74054	1.10%	0.048%
148	11.344	11.290	11.401	VV	324276	3854475	57.26%	2.488%
149	11.432	11.401	11.464	VV	5835	125284	1.86%	0.081%
150	11.494	11.464	11.518	VV	2283	65232	0.97%	0.042%
151	11.545	11.518	11.570	VV	2025	58113	0.86%	0.038%
152	11.586	11.570	11.601	VV	2080	34477	0.51%	0.022%
153	11.609	11.601	11.621	VV	1969	22324	0.33%	0.014%
154	11.667	11.621	11.715	VV	403579	4520356	67.16%	2.918%
155	11.732	11.715	11.784	VV	2683	90384	1.34%	0.058%
156	11.817	11.784	11.835	VV	2828	74726	1.11%	0.048%
157	11.852	11.835	11.870	VV	2932	51441	0.76%	0.033%
158	11.886	11.870	11.929	VV	2331	66447	0.99%	0.043%
159	12.011	11.929	12.050	VV	4388	175163	2.60%	0.113%
160	12.072	12.050	12.101	VV	1754	49049	0.73%	0.032%
161	12.119	12.101	12.128	VV	1628	25387	0.38%	0.016%
162	12.143	12.128	12.155	VV	1676	25614	0.38%	0.017%
163	12.170	12.155	12.194	VV	1700	33118	0.49%	0.021%
164	12.258	12.194	12.333	VV	31053	474188	7.04%	0.306%
165	12.344	12.333	12.363	VV	2068	32440	0.48%	0.021%
166	12.382	12.363	12.409	VV	1893	48861	0.73%	0.032%
167	12.424	12.409	12.458	VV	1802	47694	0.71%	0.031%
168	12.478	12.458	12.498	VV	2016	38167	0.57%	0.025%
169	12.511	12.498	12.554	VV	1644	42736	0.63%	0.028%
170	12.603	12.554	12.620	VV	2087	57810	0.86%	0.037%
171	12.656	12.620	12.689	VV	309557	3729675	55.41%	2.408%
172	12.724	12.689	12.762	VV	313626	3655020	54.30%	2.359%
173	12.774	12.762	12.831	VV	1438	40874	0.61%	0.026%
174	12.845	12.831	12.884	VV	943	21600	0.32%	0.014%
175	12.907	12.884	12.968	VV	3464	60845	0.90%	0.039%
176	12.977	12.968	12.991	VV	672	8223	0.12%	0.005%
177	13.024	12.991	13.054	VV	309248	3604828	53.55%	2.327%
178	13.103	13.054	13.134	VV	282351	3361681	49.94%	2.170%
179	13.153	13.134	13.176	VV	992	18367	0.27%	0.012%
180	13.208	13.176	13.233	VV	790	21255	0.32%	0.014%
181	13.268	13.233	13.304	VV	294204	3523959	52.35%	2.275%
182	13.315	13.304	13.332	VV	1014	10683	0.16%	0.007%
183	13.351	13.332	13.397	VV	851	16907	0.25%	0.011%
184	13.442	13.397	13.464	PV	814	18008	0.27%	0.012%
185	13.505	13.464	13.523	VV	1116	27572	0.41%	0.018%
186	13.536	13.523	13.568	VV	862	17702	0.26%	0.011%
187	13.612	13.568	13.631	VV	1068	23420	0.35%	0.015%
188	13.648	13.631	13.674	VV	735	12209	0.18%	0.008%
189	13.696	13.674	13.737	VV	1087	24537	0.36%	0.016%
190	13.759	13.737	13.785	VV	779	15519	0.23%	0.010%
191	13.805	13.785	13.820	VV	1014	14006	0.21%	0.009%
192	13.856	13.820	13.902	VV	280179	3444118	51.17%	2.223%
193	13.913	13.902	13.958	VV	616	12281	0.18%	0.008%
194	13.984	13.958	13.995	PV	424	5321	0.08%	0.003%

rteres

195	14.033	13.995	14.051	VV	763	11551	0.17%	0.007%
196	14.085	14.051	14.117	VV	818	20886	0.31%	0.013%
197	14.150	14.117	14.203	VV	363	11710	0.17%	0.008%
198	14.253	14.203	14.269	PV	1253	23699	0.35%	0.015%
199	14.289	14.269	14.310	VV	865	17495	0.26%	0.011%
200	14.322	14.310	14.339	VV	672	8514	0.13%	0.005%
201	14.370	14.339	14.393	VV	693	12587	0.19%	0.008%
202	14.420	14.393	14.439	VV	1799	23962	0.36%	0.015%
203	14.476	14.439	14.501	VV	1800	33909	0.50%	0.022%
204	14.534	14.501	14.573	VV	876	24987	0.37%	0.016%
205	14.589	14.573	14.608	VV	616	7447	0.11%	0.005%
206	14.642	14.608	14.661	VV	536	11602	0.17%	0.007%
207	14.684	14.661	14.756	VV	553	16836	0.25%	0.011%
208	14.767	14.756	14.780	VV	325	2769	0.04%	0.002%
209	14.810	14.780	14.828	PV	613	8109	0.12%	0.005%
210	14.861	14.828	14.866	VV	464	6795	0.10%	0.004%
211	14.906	14.866	14.926	VV	266602	3404929	50.58%	2.198%
212	14.953	14.926	15.031	VV	452569	6731208	100.00%	4.345%
213	15.058	15.031	15.071	VV	554	9660	0.14%	0.006%
214	15.103	15.071	15.134	VV	968	15762	0.23%	0.010%
215	15.142	15.134	15.181	PV	409	6847	0.10%	0.004%
216	15.205	15.181	15.221	VV	684	9835	0.15%	0.006%
217	15.230	15.221	15.251	VV	504	6153	0.09%	0.004%
218	15.292	15.251	15.314	VV	748	16199	0.24%	0.010%
219	15.342	15.314	15.430	VV	15379	299774	4.45%	0.194%
220	15.442	15.430	15.458	VV	602	6901	0.10%	0.004%
221	15.480	15.458	15.519	VV	2999	59919	0.89%	0.039%
222	15.528	15.519	15.541	VV	970	11430	0.17%	0.007%
223	15.557	15.541	15.592	VV	1967	33756	0.50%	0.022%
224	15.625	15.592	15.644	VV	707	11788	0.18%	0.008%
225	15.743	15.644	15.768	PV	752	32145	0.48%	0.021%
226	15.798	15.768	15.811	VV	1321	22494	0.33%	0.015%
227	15.831	15.811	15.868	VV	1951	39095	0.58%	0.025%
228	15.877	15.868	15.897	VV	815	11031	0.16%	0.007%
229	15.984	15.897	16.067	VV	247004	3239931	48.13%	2.091%
230	16.085	16.067	16.100	VV	365	3289	0.05%	0.002%
231	16.181	16.100	16.234	PV	1674	50637	0.75%	0.033%
232	16.298	16.234	16.326	VV	1733	56663	0.84%	0.037%
233	16.362	16.326	16.401	VV	3079	64953	0.96%	0.042%
234	16.468	16.401	16.484	VV	240603	3419078	50.79%	2.207%
235	16.501	16.484	16.531	VV	297303	3327548	49.43%	2.148%
236	16.546	16.531	16.560	VV	886	12948	0.19%	0.008%
237	16.600	16.560	16.637	VV	1214	39169	0.58%	0.025%
238	16.689	16.637	16.697	VV	1377	38521	0.57%	0.025%
239	16.715	16.697	16.741	VV	2354	38837	0.58%	0.025%
240	16.785	16.741	16.807	VV	2245	57115	0.85%	0.037%
241	16.850	16.807	16.878	VV	264722	3304251	49.09%	2.133%
242	16.935	16.878	17.022	VV	225856	3163570	47.00%	2.042%
243	17.049	17.022	17.057	VV	834	13553	0.20%	0.009%
244	17.068	17.057	17.084	VV	750	10578	0.16%	0.007%
245	17.091	17.084	17.102	VV	658	5793	0.09%	0.004%
246	17.122	17.102	17.131	VV	716	9691	0.14%	0.006%

rteres

247	17.187	17.131	17.227	VV	2521	65285	0.97%	0.042%
248	17.255	17.227	17.281	PV	1089	21560	0.32%	0.014%
249	17.316	17.281	17.346	VV	1458	43784	0.65%	0.028%
250	17.380	17.346	17.405	VV	3396	64448	0.96%	0.042%
251	17.425	17.405	17.441	VV	845	10639	0.16%	0.007%
252	17.472	17.441	17.481	VV	748	10158	0.15%	0.007%
253	17.507	17.481	17.558	VV	2293	42065	0.62%	0.027%
254	17.569	17.558	17.582	VV	615	4715	0.07%	0.003%
255	17.598	17.582	17.611	PV	453	4205	0.06%	0.003%
256	17.629	17.611	17.641	VV	143	1557	0.02%	0.001%
257	17.660	17.641	17.688	PV	1066	14333	0.21%	0.009%
258	17.716	17.688	17.735	VV	1971	32738	0.49%	0.021%
259	17.744	17.735	17.756	VV	1210	11554	0.17%	0.007%
260	17.777	17.756	17.786	VV	1593	24060	0.36%	0.016%
261	17.825	17.786	17.861	VV	226683	3055790	45.40%	1.973%
262	17.917	17.861	17.939	PV	4885	69950	1.04%	0.045%
263	17.981	17.939	17.998	VV	4212	82770	1.23%	0.053%
264	18.009	17.998	18.031	VV	2762	39473	0.59%	0.025%
265	18.070	18.031	18.094	VV	679	18622	0.28%	0.012%
266	18.225	18.094	18.241	VV	254938	3710336	55.12%	2.395%
267	18.261	18.241	18.300	VV	257544	3262137	48.46%	2.106%
268	18.349	18.300	18.402	VV	7221	162532	2.41%	0.105%
269	18.481	18.402	18.558	VV	232153	3226206	47.93%	2.083%
270	18.587	18.558	18.608	VV	3533	65233	0.97%	0.042%
271	18.659	18.608	18.721	VV	213237	3085087	45.83%	1.991%
272	18.771	18.721	18.798	VV	4776	129542	1.92%	0.084%
273	18.818	18.798	18.851	VV	4618	111040	1.65%	0.072%
274	18.861	18.851	18.874	VV	3069	38653	0.57%	0.025%
275	18.939	18.874	18.964	VV	4175	179959	2.67%	0.116%
276	18.985	18.964	18.997	VV	5939	92024	1.37%	0.059%
277	19.019	18.997	19.059	VV	10456	283759	4.22%	0.183%
278	19.067	19.059	19.118	VV	6756	201494	2.99%	0.130%
279	19.185	19.118	19.219	VV	9414	385706	5.73%	0.249%
280	19.252	19.219	19.293	VV	5361	201608	3.00%	0.130%
281	19.357	19.293	19.377	VV	5486	252293	3.75%	0.163%
282	19.387	19.377	19.398	VV	4960	57666	0.86%	0.037%
283	19.444	19.398	19.498	VV	205983	3321331	49.34%	2.144%
284	19.509	19.498	19.545	VV	6723	180585	2.68%	0.117%
285	19.561	19.545	19.597	VV	7367	208586	3.10%	0.135%
286	19.639	19.597	19.650	VV	8093	235815	3.50%	0.152%
287	19.722	19.650	19.754	VV	9229	500024	7.43%	0.323%
288	19.807	19.754	19.831	VV	13200	482147	7.16%	0.311%
289	19.877	19.831	19.898	VV	10651	410380	6.10%	0.265%
290	19.913	19.898	19.929	VV	10795	191694	2.85%	0.124%
291	19.987	19.929	20.031	VV	13256	707312	10.51%	0.457%
292	20.095	20.031	20.115	VV	13848	631781	9.39%	0.408%
293	20.186	20.115	20.221	VV	195591	3469154	51.54%	2.239%
294	20.268	20.221	20.288	VV	16070	574179	8.53%	0.371%
295	20.348	20.288	20.384	VV	18246	923686	13.72%	0.596%
296	20.393	20.384	20.410	VV	14891	224515	3.34%	0.145%
297	20.422	20.410	20.432	VV	15428	198306	2.95%	0.128%
298	20.441	20.432	20.458	VV	15250	229236	3.41%	0.148%
299	20.463	20.458	20.482	VV	14611	212869	3.16%	0.137%

rteres

300	20.488	20.482	20.524	VV	14310	340530	5.06%	0.220%
301	20.534	20.524	20.573	VV	14357	392633	5.83%	0.253%
302	20.606	20.573	20.637	VV	13867	496105	7.37%	0.320%
303	20.648	20.637	20.658	VV	14171	173463	2.58%	0.112%
304	20.693	20.658	20.728	VV	14679	572169	8.50%	0.369%
305	20.744	20.728	20.770	VV	13546	331768	4.93%	0.214%
306	20.787	20.770	20.871	VV	12879	684968	10.18%	0.442%
307	20.889	20.871	20.901	VV	10132	182766	2.72%	0.118%
308	20.950	20.901	21.004	VV	144556	3106069	46.14%	2.005%
309	21.020	21.004	21.167	VV	11263	948679	14.09%	0.612%
310	21.178	21.167	21.236	VV	8406	301523	4.48%	0.195%
311	21.260	21.236	21.284	VV	7063	189407	2.81%	0.122%
312	21.296	21.284	21.309	VV	6529	91353	1.36%	0.059%
313	21.396	21.309	21.453	VV	7332	542976	8.07%	0.351%
314	21.469	21.453	21.496	VV	5572	131321	1.95%	0.085%
315	21.522	21.496	21.554	VV	5402	171795	2.55%	0.111%
316	21.571	21.554	21.608	VV	4906	140946	2.09%	0.091%
317	21.622	21.608	21.650	VV	4070	93476	1.39%	0.060%
318	21.664	21.650	21.691	VV	3539	72988	1.08%	0.047%
319	21.719	21.691	21.734	VV	2713	63281	0.94%	0.041%
320	21.768	21.734	21.794	VV	2861	78048	1.16%	0.050%
321	21.819	21.794	21.850	VV	2137	52653	0.78%	0.034%
322	21.914	21.850	21.973	VV	88197	2263430	33.63%	1.461%
323	21.994	21.973	22.008	VV	519	8536	0.13%	0.006%
324	22.018	22.008	22.027	VV	620	4453	0.07%	0.003%
325	22.043	22.027	22.056	VV	663	6555	0.10%	0.004%

Sum of corrected areas: 154912795

Aliphatic EPH 080125.M Mon Aug 11 02:17:31 2025

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	3313 BAY AVENUE	Date Received:	
Client Sample ID:	TP-6MSD	SDG No.:	Q2802
Lab Sample ID:	Q2798-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/08/25 09:37	08/08/25 19:46	PB169177

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	36.6		1	1.32	2.24	mg/kg	FC069627.D
Aliphatic C9-C28	Aliphatic C9-C28	60.9		1	1.02	4.48	mg/kg	FC069627.D
Total AliphaticEPH	Total AliphaticEPH	97.5			2.34	6.72	mg/kg	
Total EPH	Total EPH	97.5			2.34	6.72	mg/kg	

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

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

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

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	3313 BAY AVENUE	Date Received:	
Client Sample ID:	TP-6MSD	SDG No.:	Q2802
Lab Sample ID:	Q2798-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069627.D	1	08/08/25	08/08/25	PB169177

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	60.9		1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	36.6		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.6		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.6		40 - 140	61%	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:	Q2798-01MSD	Acq On:	08 Aug 2025 19:46
Client Sample ID:	TP-6MSD	Operator:	YP/AJ
Data file:	FC069627.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.298	6.596	17567954	121.427	300	ug/ml
Aliphatic C12-C16	6.597	10.000	26901488	187.551	200	ug/ml
Aliphatic C16-C21	10.001	13.369	30833211	230.854	300	ug/ml
Aliphatic C21-C28	13.370	17.034	32589373	275.463	400	ug/ml
Aliphatic C28-C40	17.035	22.011	46803143	491.035	600	ug/ml
Aliphatic EPH	3.298	22.011	154695169	1310		ug/ml
ortho-Terphenyl (SURR)	11.667	11.667	4566806	30.61		ug/ml
1-chlorooctadecane (SURR)	13.102	13.102	3442222	31.57		ug/ml
Aliphatic C9-C28	3.298	17.034	107892026	815.295	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080825AL\
Data File : FC069627.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 19:46
Operator : YP/AJ
Sample : Q2798-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
TP-6MSD

Integration File: autoint1.e
Quant Time: Aug 11 01:19:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.667	4566806	30.612 ug/ml
Spiked Amount	50.000		Recovery =	61.22%
12) S	1-chlorooctadecane (S...	13.102	3442222	31.573 ug/ml
Spiked Amount	50.000		Recovery =	63.15%
	Target Compounds			
1) T	n-Nonane (C9)	3.398	2720213	19.093 ug/ml
2) T	n-Decane (C10)	4.471	3198465	22.001 ug/ml
3) T	A~Naphthalene (C11.7)	6.066	3983249	25.671 ug/ml
4) T	n-Dodecane (C12)	6.496	3650223	24.970 ug/ml
5) T	A~2-methylnaphthalene...	7.126	3817975	25.924 ug/ml
6) T	n-Tetradecane (C14)	8.296	3795640	26.597 ug/ml
7) T	n-Hexadecane (C16)	9.899	3895246	27.020 ug/ml
8) T	n-Octadecane (C18)	11.345	3820358	27.016 ug/ml
10) T	n-Eicosane (C20)	12.656	3815145	28.962 ug/ml
11) T	n-Heneicosane (C21)	13.269	3627435	28.441 ug/ml
13) T	n-Docosane (C22)	13.856	3534632	28.295 ug/ml
14) T	n-Tetracosane (C24)	14.953	6928773	57.418 ug/ml
15) T	n-Hexacosane (C26)	15.984	3314690	28.686 ug/ml
16) T	n-Octacosane (C28)	16.935	3226779	28.788 ug/ml
17) T	n-Tricontane (C30)	17.825	3124410	27.288 ug/ml
18) T	n-Dotriacontane (C32)	18.659	3104761	27.950 ug/ml
19) T	n-Tetratriacontane (C34)	19.445	3128879	30.728 ug/ml
20) T	n-Hexatriacontane (C36)	20.185	2802292	31.428 ug/ml
21) T	n-Octatriacontane (C38)	20.950	2530606	31.459 ug/ml
22) T	n-Tetracontane (C40)	21.912	2349697	31.379 ug/ml

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

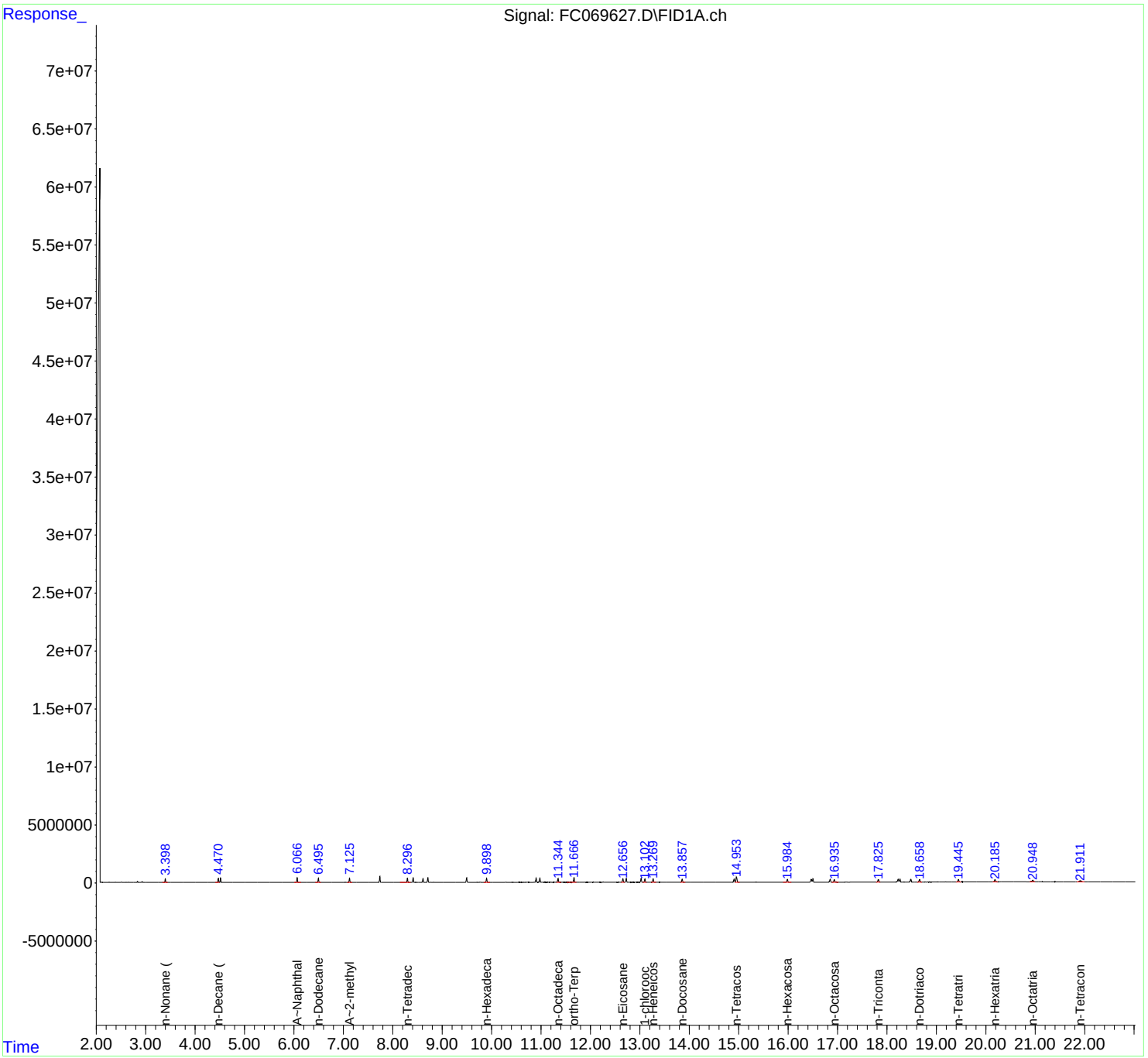
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080825AL\
Data File : FC069627.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 19:46
Operator : YP/AJ
Sample : Q2798-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
TP-6MSD

Integration File: autoint1.e
Quant Time: Aug 11 01:19:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 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_C\Data\FC080825AL\
Data File : FC069627.D
Signal(s) : FID1A.ch
Acq On : 08 Aug 2025 19:46
Sample : Q2798-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.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	3.248	3.204	3.268	BV	335	3496	0.05%	0.002%
2	3.293	3.268	3.337	VV	342	6204	0.09%	0.004%
3	3.398	3.337	3.511	PV	327567	2742416	39.45%	1.684%
4	3.525	3.511	3.584	VV	323	9263	0.13%	0.006%
5	3.601	3.584	3.628	VV	262	4719	0.07%	0.003%
6	3.644	3.628	3.657	VV	194	2637	0.04%	0.002%
7	3.691	3.657	3.734	VV	1053	20110	0.29%	0.012%
8	3.751	3.734	3.764	VV	329	4436	0.06%	0.003%
9	3.784	3.764	3.826	VV	2761	26462	0.38%	0.016%
10	3.846	3.826	3.858	VV	196	2536	0.04%	0.002%
11	3.881	3.858	3.912	VV	2144	21899	0.32%	0.013%
12	3.920	3.912	3.930	VV	221	1530	0.02%	0.001%
13	3.942	3.930	3.958	VV	331	3200	0.05%	0.002%
14	3.981	3.958	4.037	VV	321	8109	0.12%	0.005%
15	4.070	4.037	4.084	VV	362	6940	0.10%	0.004%
16	4.094	4.084	4.124	VV	614	8303	0.12%	0.005%
17	4.136	4.124	4.151	VV	242	3512	0.05%	0.002%
18	4.164	4.151	4.188	VV	342	4975	0.07%	0.003%
19	4.199	4.188	4.224	VV	233	4316	0.06%	0.003%
20	4.236	4.224	4.261	VV	310	6132	0.09%	0.004%
21	4.275	4.261	4.294	VV	235	3892	0.06%	0.002%
22	4.310	4.294	4.326	VV	280	4109	0.06%	0.003%
23	4.333	4.326	4.350	VV	183	2105	0.03%	0.001%
24	4.383	4.350	4.402	VV	263	5417	0.08%	0.003%
25	4.471	4.402	4.493	VV	360915	3208026	46.14%	1.970%
26	4.515	4.493	4.559	VV	392715	3451832	49.65%	2.119%
27	4.576	4.559	4.601	VV	3654	40026	0.58%	0.025%
28	4.622	4.601	4.659	VV	6225	62420	0.90%	0.038%
29	4.672	4.659	4.706	VV	337	7546	0.11%	0.005%
30	4.723	4.706	4.741	VV	465	6242	0.09%	0.004%
31	4.757	4.741	4.787	VV	377	6874	0.10%	0.004%
32	4.804	4.787	4.834	VV	302	6529	0.09%	0.004%
33	4.855	4.834	4.870	VV	397	5756	0.08%	0.004%
34	4.890	4.870	4.914	VV	272	4901	0.07%	0.003%
35	4.925	4.914	4.938	VV	174	1437	0.02%	0.001%
36	4.953	4.938	4.975	VV	215	3727	0.05%	0.002%

rteres

37	4.982	4.975	5.001	VV	169	2015	0.03%	0.001%
38	5.009	5.001	5.041	VV	166	3394	0.05%	0.002%
39	5.057	5.041	5.087	VV	344	5964	0.09%	0.004%
40	5.107	5.087	5.118	VV	274	4134	0.06%	0.003%
41	5.125	5.118	5.144	VV	151	2416	0.03%	0.001%
42	5.160	5.144	5.171	VV	245	2700	0.04%	0.002%
43	5.195	5.171	5.206	VV	293	3430	0.05%	0.002%
44	5.212	5.206	5.264	VV	242	3941	0.06%	0.002%
45	5.286	5.264	5.298	VV	149	2200	0.03%	0.001%
46	5.327	5.298	5.351	VV	432	6405	0.09%	0.004%
47	5.362	5.351	5.384	VV	136	1930	0.03%	0.001%
48	5.405	5.384	5.491	VV	179	5005	0.07%	0.003%
49	5.509	5.491	5.525	PV	1344	13566	0.20%	0.008%
50	5.537	5.525	5.598	VV	649	13043	0.19%	0.008%
51	5.613	5.598	5.631	VV	319	3968	0.06%	0.002%
52	5.638	5.631	5.658	VV	140	1845	0.03%	0.001%
53	5.668	5.658	5.678	VV	160	1346	0.02%	0.001%
54	5.699	5.678	5.716	VV	318	3751	0.05%	0.002%
55	5.744	5.716	5.780	VV	278	7075	0.10%	0.004%
56	5.803	5.780	5.830	VV	293	5601	0.08%	0.003%
57	5.853	5.830	5.890	VV	320	5270	0.08%	0.003%
58	5.921	5.890	5.945	VV	166	2981	0.04%	0.002%
59	5.970	5.945	5.987	PV	144	2428	0.03%	0.001%
60	6.066	5.987	6.181	VV	422739	4022631	57.86%	2.470%
61	6.209	6.181	6.229	VV	575	11249	0.16%	0.007%
62	6.255	6.229	6.281	VV	369	9249	0.13%	0.006%
63	6.306	6.281	6.318	VV	356	6024	0.09%	0.004%
64	6.337	6.318	6.364	VV	583	9545	0.14%	0.006%
65	6.383	6.364	6.395	VV	365	5508	0.08%	0.003%
66	6.404	6.395	6.413	VV	310	3295	0.05%	0.002%
67	6.422	6.413	6.439	VV	360	4255	0.06%	0.003%
68	6.456	6.439	6.463	VV	351	4178	0.06%	0.003%
69	6.496	6.463	6.548	VV	369471	3667510	52.75%	2.252%
70	6.563	6.548	6.624	VV	907	17768	0.26%	0.011%
71	6.644	6.624	6.673	VV	675	11480	0.17%	0.007%
72	6.691	6.673	6.747	VV	408	7972	0.11%	0.005%
73	6.767	6.747	6.792	PV	350	5324	0.08%	0.003%
74	6.823	6.792	6.851	VV	260	6059	0.09%	0.004%
75	6.881	6.851	6.894	VV	461	7318	0.11%	0.004%
76	6.909	6.894	6.942	VV	365	7268	0.10%	0.004%
77	6.968	6.942	6.989	VV	3595	41214	0.59%	0.025%
78	6.999	6.989	7.009	VV	636	7079	0.10%	0.004%
79	7.031	7.009	7.081	VV	8665	92155	1.33%	0.057%
80	7.126	7.081	7.179	PV	378995	3832548	55.13%	2.353%
81	7.198	7.179	7.212	VV	1084	15389	0.22%	0.009%
82	7.221	7.212	7.240	VV	739	8801	0.13%	0.005%
83	7.261	7.240	7.281	VV	1681	19877	0.29%	0.012%
84	7.315	7.281	7.331	VV	1822	27750	0.40%	0.017%
85	7.341	7.331	7.368	VV	863	10911	0.16%	0.007%
86	7.392	7.368	7.403	VV	965	11666	0.17%	0.007%
87	7.420	7.403	7.451	VV	1748	23509	0.34%	0.014%
88	7.474	7.451	7.501	VV	462	10292	0.15%	0.006%
89	7.515	7.501	7.536	VV	617	8127	0.12%	0.005%

rteres

90	7.556	7.536	7.570	VV	404	6625	0.10%	0.004%
91	7.599	7.570	7.628	VV	939	17314	0.25%	0.011%
92	7.642	7.628	7.669	VV	281	3688	0.05%	0.002%
93	7.871	7.794	7.927	VV	1281	59089	0.85%	0.036%
94	7.944	7.927	7.954	VV	548	7136	0.10%	0.004%
95	7.989	7.954	8.015	VV	1857	35224	0.51%	0.022%
96	8.041	8.015	8.087	VV	2800	51137	0.74%	0.031%
97	8.114	8.087	8.138	VV	2218	36129	0.52%	0.022%
98	8.177	8.138	8.214	VV	1561	51550	0.74%	0.032%
99	8.227	8.214	8.238	VV	1101	13294	0.19%	0.008%
100	8.253	8.238	8.262	VV	1114	14533	0.21%	0.009%
101	8.296	8.262	8.361	VV	367692	3820049	54.95%	2.345%
102	8.412	8.361	8.442	VV	405650	4153871	59.75%	2.550%
103	8.464	8.442	8.503	VV	6410	107765	1.55%	0.066%
104	8.521	8.503	8.536	VV	1416	24075	0.35%	0.015%
105	8.566	8.536	8.581	VV	1825	39773	0.57%	0.024%
106	8.710	8.670	8.741	VV	423966	4215266	60.63%	2.588%
107	8.760	8.741	8.781	VV	6262	91022	1.31%	0.056%
108	8.827	8.781	8.854	VV	6764	147419	2.12%	0.091%
109	8.873	8.854	8.885	VV	1567	28273	0.41%	0.017%
110	8.918	8.885	8.940	VV	2166	59887	0.86%	0.037%
111	8.980	8.940	9.013	VV	3047	92761	1.33%	0.057%
112	9.046	9.013	9.080	VV	2605	82489	1.19%	0.051%
113	9.117	9.080	9.178	VV	4122	123814	1.78%	0.076%
114	9.203	9.178	9.240	VV	2241	66181	0.95%	0.041%
115	9.274	9.240	9.289	VV	1659	43236	0.62%	0.027%
116	9.301	9.289	9.314	VV	1711	23466	0.34%	0.014%
117	9.332	9.314	9.381	VV	2208	70876	1.02%	0.044%
118	9.435	9.381	9.460	VV	2626	95507	1.37%	0.059%
119	9.495	9.460	9.549	VV	402681	4304424	61.92%	2.643%
120	9.573	9.549	9.613	VV	3778	104330	1.50%	0.064%
121	9.624	9.613	9.640	VV	2359	36925	0.53%	0.023%
122	9.676	9.640	9.688	VV	3504	79362	1.14%	0.049%
123	9.706	9.688	9.743	VV	7565	126002	1.81%	0.077%
124	9.768	9.743	9.819	VV	27547	359164	5.17%	0.221%
125	9.855	9.819	9.864	VV	2507	61896	0.89%	0.038%
126	9.899	9.864	9.951	VV	356373	4002432	57.57%	2.457%
127	9.958	9.951	9.970	VV	2234	23989	0.35%	0.015%
128	10.000	9.970	10.021	VV	2425	66776	0.96%	0.041%
129	10.030	10.021	10.049	VV	1966	29750	0.43%	0.018%
130	10.071	10.049	10.088	VV	2121	43540	0.63%	0.027%
131	10.127	10.088	10.153	VV	2168	74664	1.07%	0.046%
132	10.176	10.153	10.194	VV	2283	48057	0.69%	0.030%
133	10.242	10.194	10.264	VV	3183	95168	1.37%	0.058%
134	10.287	10.264	10.314	VV	6201	114932	1.65%	0.071%
135	10.338	10.314	10.358	VV	2802	67263	0.97%	0.041%
136	10.376	10.358	10.398	VV	2876	60590	0.87%	0.037%
137	10.415	10.398	10.425	VV	3316	45601	0.66%	0.028%
138	10.437	10.425	10.463	VV	3304	59765	0.86%	0.037%
139	10.488	10.463	10.506	VV	2336	54117	0.78%	0.033%
140	10.553	10.506	10.583	VV	3364	123869	1.78%	0.076%
141	10.596	10.583	10.611	VV	3027	46797	0.67%	0.029%

142	10.636	10.611	10.678	VV	5969	139429	2.01%	0.086%
143	10.708	10.678	10.798	VV	14076	345210	4.97%	0.212%
144	10.805	10.798	10.824	VV	2245	34539	0.50%	0.021%
145	10.901	10.824	10.942	VV	366478	4115434	59.20%	2.527%
146	10.977	10.942	11.021	VV	373123	4038950	58.10%	2.480%
147	11.031	11.021	11.104	VV	3377	130796	1.88%	0.080%
148	11.145	11.104	11.164	VV	3400	94850	1.36%	0.058%
149	11.189	11.164	11.231	VV	3493	110315	1.59%	0.068%
150	11.277	11.231	11.288	VV	2537	79881	1.15%	0.049%
151	11.344	11.288	11.404	VV	344238	4003816	57.59%	2.458%
152	11.433	11.404	11.465	VV	6049	131439	1.89%	0.081%
153	11.496	11.465	11.518	VV	2469	66236	0.95%	0.041%
154	11.539	11.518	11.568	VV	2067	56736	0.82%	0.035%
155	11.584	11.568	11.610	VV	2075	49801	0.72%	0.031%
156	11.667	11.610	11.714	VV	409461	4686302	67.41%	2.877%
157	11.735	11.714	11.784	VV	2757	95154	1.37%	0.058%
158	11.819	11.784	11.836	VV	2992	80464	1.16%	0.049%
159	11.851	11.836	11.872	VV	3192	53594	0.77%	0.033%
160	11.888	11.872	11.924	VV	2472	63221	0.91%	0.039%
161	12.010	11.924	12.047	VV	4403	183575	2.64%	0.113%
162	12.064	12.047	12.095	VV	1830	49223	0.71%	0.030%
163	12.118	12.095	12.158	VV	1726	61408	0.88%	0.038%
164	12.169	12.158	12.191	VV	1615	28817	0.41%	0.018%
165	12.258	12.191	12.364	VV	33301	527828	7.59%	0.324%
166	12.387	12.364	12.407	VV	2021	46970	0.68%	0.029%
167	12.443	12.407	12.461	VV	2008	53611	0.77%	0.033%
168	12.481	12.461	12.500	VV	1982	38159	0.55%	0.023%
169	12.514	12.500	12.538	VV	1698	31039	0.45%	0.019%
170	12.601	12.538	12.621	VV	1960	69333	1.00%	0.043%
171	12.656	12.621	12.689	VV	318450	3853752	55.43%	2.366%
172	12.725	12.689	12.761	VV	340908	3768820	54.21%	2.314%
173	12.771	12.761	12.811	VV	1543	33296	0.48%	0.020%
174	12.824	12.811	12.834	VV	813	10309	0.15%	0.006%
175	12.848	12.834	12.867	VV	882	14075	0.20%	0.009%
176	12.908	12.867	12.960	VV	3568	65180	0.94%	0.040%
177	13.024	12.960	13.056	VV	333129	3732085	53.68%	2.291%
178	13.102	13.056	13.134	VV	288984	3468513	49.89%	2.129%
179	13.150	13.134	13.193	VV	1042	25031	0.36%	0.015%
180	13.210	13.193	13.234	VV	893	16799	0.24%	0.010%
181	13.269	13.234	13.305	VV	307282	3638954	52.34%	2.234%
182	13.315	13.305	13.334	VV	978	12847	0.18%	0.008%
183	13.352	13.334	13.394	VV	923	18122	0.26%	0.011%
184	13.415	13.394	13.426	VV	613	6704	0.10%	0.004%
185	13.444	13.426	13.468	VV	983	15177	0.22%	0.009%
186	13.505	13.468	13.528	VV	1192	29678	0.43%	0.018%
187	13.536	13.528	13.584	VV	896	21084	0.30%	0.013%
188	13.610	13.584	13.634	VV	1131	19830	0.29%	0.012%
189	13.651	13.634	13.668	VV	839	11459	0.16%	0.007%
190	13.700	13.668	13.741	VV	984	29996	0.43%	0.018%
191	13.762	13.741	13.778	VV	1000	14505	0.21%	0.009%
192	13.806	13.778	13.820	VV	1095	17831	0.26%	0.011%
193	13.856	13.820	13.901	VV	284945	3552238	51.10%	2.181%
194	13.912	13.901	13.961	VV	693	15490	0.22%	0.010%

rteres

195	13.976	13.961	13.983	PV	479	4044	0.06%	0.002%
196	13.991	13.983	14.021	VV	442	7716	0.11%	0.005%
197	14.034	14.021	14.052	VV	731	8940	0.13%	0.005%
198	14.087	14.052	14.131	VV	985	24852	0.36%	0.015%
199	14.152	14.131	14.164	VV	441	7025	0.10%	0.004%
200	14.174	14.164	14.203	VV	511	6663	0.10%	0.004%
201	14.251	14.203	14.268	PV	1293	26470	0.38%	0.016%
202	14.286	14.268	14.307	VV	1022	18593	0.27%	0.011%
203	14.327	14.307	14.357	VV	640	14414	0.21%	0.009%
204	14.373	14.357	14.393	VV	796	9284	0.13%	0.006%
205	14.418	14.393	14.447	PV	1840	28273	0.41%	0.017%
206	14.474	14.447	14.501	VV	2051	33033	0.48%	0.020%
207	14.546	14.501	14.568	VV	1081	27341	0.39%	0.017%
208	14.590	14.568	14.608	VV	631	11063	0.16%	0.007%
209	14.636	14.608	14.661	VV	690	13797	0.20%	0.008%
210	14.682	14.661	14.743	VV	686	19450	0.28%	0.012%
211	14.769	14.743	14.784	PV	443	5532	0.08%	0.003%
212	14.817	14.784	14.832	VV	546	11076	0.16%	0.007%
213	14.847	14.832	14.868	VV	636	8292	0.12%	0.005%
214	14.907	14.868	14.927	VV	283782	3523862	50.69%	2.163%
215	14.953	14.927	15.044	VV	459416	6952096	100.00%	4.268%
216	15.061	15.044	15.074	VV	618	7724	0.11%	0.005%
217	15.097	15.074	15.133	VV	699	14103	0.20%	0.009%
218	15.153	15.133	15.181	VV	368	6022	0.09%	0.004%
219	15.205	15.181	15.245	VV	693	15213	0.22%	0.009%
220	15.255	15.245	15.269	VV	442	4735	0.07%	0.003%
221	15.291	15.269	15.308	VV	820	12856	0.18%	0.008%
222	15.341	15.308	15.429	VV	16446	321397	4.62%	0.197%
223	15.444	15.429	15.454	VV	751	9104	0.13%	0.006%
224	15.479	15.454	15.530	VV	3198	78249	1.13%	0.048%
225	15.558	15.530	15.596	VV	1907	48404	0.70%	0.030%
226	15.622	15.596	15.639	VV	1075	14536	0.21%	0.009%
227	15.661	15.639	15.676	PV	756	10875	0.16%	0.007%
228	15.711	15.676	15.721	VV	919	16945	0.24%	0.010%
229	15.737	15.721	15.761	VV	979	19903	0.29%	0.012%
230	15.804	15.761	15.813	VV	1492	33760	0.49%	0.021%
231	15.834	15.813	15.851	VV	2104	34076	0.49%	0.021%
232	15.866	15.851	15.888	VV	1238	21570	0.31%	0.013%
233	15.898	15.888	15.906	VV	671	5997	0.09%	0.004%
234	15.984	15.906	16.065	VV	255342	3349640	48.18%	2.057%
235	16.081	16.065	16.098	VV	492	7307	0.11%	0.004%
236	16.186	16.098	16.224	PV	2077	56917	0.82%	0.035%
237	16.302	16.224	16.327	VV	1998	69073	0.99%	0.042%
238	16.362	16.327	16.398	VV	3041	70185	1.01%	0.043%
239	16.468	16.398	16.484	VV	248125	3534775	50.84%	2.170%
240	16.502	16.484	16.538	VV	307029	3458361	49.75%	2.123%
241	16.551	16.538	16.560	VV	1203	10958	0.16%	0.007%
242	16.590	16.560	16.607	VV	1123	25384	0.37%	0.016%
243	16.618	16.607	16.628	VV	1214	12814	0.18%	0.008%
244	16.643	16.628	16.662	VV	1199	20358	0.29%	0.012%
245	16.683	16.662	16.691	VV	1351	20359	0.29%	0.012%
246	16.714	16.691	16.734	VV	2395	41969	0.60%	0.026%

247	16.782	16.734	16.808	VV	2247	61126	0.88%	0.038%
248	16.851	16.808	16.881	VV	267153	3419328	49.18%	2.099%
249	16.935	16.881	17.021	VV	232238	3259542	46.89%	2.001%
250	17.075	17.021	17.094	VV	711	24713	0.36%	0.015%
251	17.108	17.094	17.126	VV	823	11863	0.17%	0.007%
252	17.187	17.126	17.227	VV	2238	76639	1.10%	0.047%
253	17.261	17.227	17.288	VV	1518	30332	0.44%	0.019%
254	17.308	17.288	17.344	VV	1710	45736	0.66%	0.028%
255	17.384	17.344	17.414	VV	3114	80751	1.16%	0.050%
256	17.433	17.414	17.451	VV	1112	17503	0.25%	0.011%
257	17.469	17.451	17.483	VV	1332	16944	0.24%	0.010%
258	17.511	17.483	17.541	VV	2386	49651	0.71%	0.030%
259	17.557	17.541	17.578	VV	969	14379	0.21%	0.009%
260	17.588	17.578	17.608	VV	670	8287	0.12%	0.005%
261	17.624	17.608	17.637	VV	435	5680	0.08%	0.003%
262	17.658	17.637	17.671	PV	1585	16437	0.24%	0.010%
263	17.681	17.671	17.694	VV	683	7491	0.11%	0.005%
264	17.717	17.694	17.734	VV	2640	39196	0.56%	0.024%
265	17.751	17.734	17.760	VV	1274	17832	0.26%	0.011%
266	17.779	17.760	17.786	VV	2075	26093	0.38%	0.016%
267	17.825	17.786	17.861	VV	219559	3166438	45.55%	1.944%
268	17.879	17.861	17.890	PV	1082	11874	0.17%	0.007%
269	17.917	17.890	17.941	VV	4766	75025	1.08%	0.046%
270	17.981	17.941	18.048	VV	4429	144689	2.08%	0.089%
271	18.071	18.048	18.097	VV	1205	25523	0.37%	0.016%
272	18.121	18.097	18.131	VV	1037	18263	0.26%	0.011%
273	18.226	18.131	18.242	VV	262363	3842535	55.27%	2.359%
274	18.263	18.242	18.291	VV	268236	3400104	48.91%	2.087%
275	18.306	18.291	18.322	VV	2303	35232	0.51%	0.022%
276	18.347	18.322	18.399	VV	7728	167427	2.41%	0.103%
277	18.411	18.399	18.422	VV	1731	20768	0.30%	0.013%
278	18.483	18.422	18.527	VV	250897	3334848	47.97%	2.047%
279	18.589	18.527	18.610	VV	4122	122337	1.76%	0.075%
280	18.659	18.610	18.707	VV	214859	3196456	45.98%	1.962%
281	18.771	18.707	18.801	VV	5674	179607	2.58%	0.110%
282	18.821	18.801	18.854	VV	5281	127614	1.84%	0.078%
283	18.873	18.854	18.884	VV	3730	59270	0.85%	0.036%
284	18.927	18.884	18.963	VV	5148	191112	2.75%	0.117%
285	19.021	18.963	19.075	VV	11395	493465	7.10%	0.303%
286	19.091	19.075	19.116	VV	6693	145497	2.09%	0.089%
287	19.185	19.116	19.229	VV	12117	460736	6.63%	0.283%
288	19.257	19.229	19.288	VV	5943	192532	2.77%	0.118%
289	19.305	19.288	19.330	VV	6526	151247	2.18%	0.093%
290	19.356	19.330	19.398	VV	6745	239478	3.44%	0.147%
291	19.445	19.398	19.496	VV	223599	3463075	49.81%	2.126%
292	19.568	19.496	19.589	VV	8978	448591	6.45%	0.275%
293	19.651	19.589	19.661	VV	9310	365057	5.25%	0.224%
294	19.723	19.661	19.744	VV	10642	478776	6.89%	0.294%
295	19.808	19.744	19.838	VV	13959	630158	9.06%	0.387%
296	19.874	19.838	19.886	VV	12016	337448	4.85%	0.207%
297	19.902	19.886	19.917	VV	12117	215722	3.10%	0.132%
298	19.988	19.917	20.031	VV	15312	895782	12.89%	0.550%
299	20.044	20.031	20.054	VV	13715	188679	2.71%	0.116%

rteres

300	20.101	20.054	20.123	VV	15523	595858	8.57%	0.366%
301	20.136	20.123	20.143	VV	14301	164541	2.37%	0.101%
302	20.185	20.143	20.241	VV	202734	3651654	52.53%	2.242%
303	20.268	20.241	20.278	VV	16993	357610	5.14%	0.220%
304	20.288	20.278	20.298	VV	16974	201065	2.89%	0.123%
305	20.349	20.298	20.391	VV	19941	1009240	14.52%	0.620%
306	20.406	20.391	20.421	VV	17853	313555	4.51%	0.193%
307	20.446	20.421	20.468	VV	18378	494389	7.11%	0.304%
308	20.495	20.468	20.571	VV	17385	1001304	14.40%	0.615%
309	20.611	20.571	20.642	VV	15749	637852	9.17%	0.392%
310	20.678	20.642	20.694	VV	16004	484987	6.98%	0.298%
311	20.702	20.694	20.729	VV	15729	316520	4.55%	0.194%
312	20.737	20.729	20.748	VV	14490	160809	2.31%	0.099%
313	20.761	20.748	20.771	VV	14214	190967	2.75%	0.117%
314	20.785	20.771	20.841	VV	14193	538364	7.74%	0.331%
315	20.850	20.841	20.868	VV	11464	177953	2.56%	0.109%
316	20.950	20.868	20.994	VV	154610	3453351	49.67%	2.120%
317	21.005	20.994	21.022	VV	14021	217380	3.13%	0.133%
318	21.033	21.022	21.114	VV	12995	651987	9.38%	0.400%
319	21.125	21.114	21.216	VV	10987	563591	8.11%	0.346%
320	21.228	21.216	21.247	VV	7397	129560	1.86%	0.080%
321	21.270	21.247	21.296	VV	7804	209789	3.02%	0.129%
322	21.317	21.296	21.335	VV	7104	161410	2.32%	0.099%
323	21.356	21.335	21.367	VV	7354	135322	1.95%	0.083%
324	21.397	21.367	21.436	VV	8702	308854	4.44%	0.190%
325	21.443	21.436	21.531	VV	6938	353644	5.09%	0.217%
326	21.544	21.531	21.584	VV	5614	161957	2.33%	0.099%
327	21.604	21.584	21.631	VV	5028	127182	1.83%	0.078%
328	21.645	21.631	21.679	VV	4453	106163	1.53%	0.065%
329	21.707	21.679	21.724	VV	3276	76467	1.10%	0.047%
330	21.760	21.724	21.788	VV	2479	80116	1.15%	0.049%
331	21.804	21.788	21.833	VV	2720	49764	0.72%	0.031%
332	21.912	21.833	21.975	VV	92826	2399189	34.51%	1.473%
333	21.983	21.975	21.995	VV	871	5857	0.08%	0.004%
334	22.029	21.995	22.039	PV	807	13563	0.20%	0.008%
335	22.053	22.039	22.063	VV	807	7245	0.10%	0.004%

Sum of corrected areas: 162880481

Aliphatic EPH 080125.M Mon Aug 11 02:18:15 2025

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

Manual Integration Report

Sequence:	FC080125AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2740-01MS	FC069568.D	n-Dotriacontane (C32)	yogesh	8/4/2025 7:40:14 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MS	FC069568.D	n-Hexatriacontane (C36)	yogesh	8/4/2025 7:40:14 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MS	FC069568.D	n-Octatriacontane (C38)	yogesh	8/4/2025 7:40:14 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MS	FC069568.D	n-Tetracontane (C40)	yogesh	8/4/2025 7:40:14 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MSD	FC069569.D	n-Dotriacontane (C32)	yogesh	8/4/2025 7:40:12 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MSD	FC069569.D	n-Hexatriacontane (C36)	yogesh	8/4/2025 7:40:12 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software
Q2740-01MSD	FC069569.D	n-Octatriacontane (C38)	yogesh	8/4/2025 7:40:12 AM	mohammad	8/5/2025 1:59:30	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FC080825AL	Instrument	FID_c

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

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

Manual Integration Report

Sequence:	FE080125AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2741-01	FE055114.D	ortho-Terphenyl (SURR)	yogesh	8/4/2025 7:39:52 AM	mohammad	8/5/2025 1:59:38	Peak Integrated by Software
Q2741-02	FE055115.D	ortho-Terphenyl (SURR)	yogesh	8/4/2025 7:39:54 AM	mohammad	8/5/2025 1:59:38	Peak Integrated by Software
Q2734-01	FE055116.D	ortho-Terphenyl (SURR)	yogesh	8/4/2025 7:39:55 AM	mohammad	8/5/2025 1:59:38	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055118.D	n-Tetracontane (C40)	yogesh	8/4/2025 7:39:57 AM	mohammad	8/5/2025 1:59:38	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FE080825AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2774-07DL	FE055207.D	ortho-Terphenyl (SURR)	yogesh	8/11/2025 8:11:19 AM	mohammad	8/12/2025 1:18:07	Peak Integrated by Software

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC080125AL

Review By	yogesh	Review On	8/1/2025 10:37:24 AM		
Supervise By	mohammad	Supervise On	8/5/2025 1:59:30 AM		
SubDirectory	FC080125AL	HP Acquire Method		HP Processing Method	FC080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069556.D	01 Aug 2025 09:39	YP/AJ	Ok
2	I.BLK	FC069557.D	01 Aug 2025 10:20	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC069558.D	01 Aug 2025 11:01	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC069559.D	01 Aug 2025 11:43	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC069560.D	01 Aug 2025 12:24	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC069561.D	01 Aug 2025 13:06	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC069562.D	01 Aug 2025 13:47	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC069563.D	01 Aug 2025 14:28	YP/AJ	Ok
9	I.BLK	FC069564.D	01 Aug 2025 15:10	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069565.D	01 Aug 2025 15:52	YP/AJ	Ok
11	Q2740-01	FC069566.D	01 Aug 2025 16:37	YP/AJ	Dilution
12	Q2740-01D	FC069567.D	01 Aug 2025 17:19	YP/AJ	Ok
13	Q2740-01MS	FC069568.D	01 Aug 2025 18:02	YP/AJ	Ok,M
14	Q2740-01MSD	FC069569.D	01 Aug 2025 18:44	YP/AJ	Ok,M
15	I.BLK	FC069570.D	01 Aug 2025 19:26	YP/AJ	Ok
16	20 PPM ALIPHATIC HC STD	FC069571.D	01 Aug 2025 20:09	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC080825AL

Review By	yogesh	Review On	8/8/2025 1:10:24 PM		
Supervise By	mohammad	Supervise On	8/12/2025 1:18:54 AM		
SubDirectory	FC080825AL	HP Acquire Method		HP Processing Method	FC080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069610.D	08 Aug 2025 05:25	YP/AJ	Ok
2	I.BLK	FC069611.D	08 Aug 2025 06:05	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069612.D	08 Aug 2025 06:46	YP/AJ	Ok
4	Q2779-01DL	FC069613.D	08 Aug 2025 07:32	YP/AJ	Ok
5	Q2779-02DL	FC069614.D	08 Aug 2025 08:13	YP/AJ	Ok
6	PB169161BL	FC069615.D	08 Aug 2025 10:52	YP/AJ	Ok
7	PB169161BS	FC069616.D	08 Aug 2025 11:36	YP/AJ	Ok
8	PB169161BSD	FC069617.D	08 Aug 2025 12:21	YP/AJ	Ok
9	Q2759-04	FC069618.D	08 Aug 2025 13:06	YP/AJ	Dilution
10	I.BLK	FC069619.D	08 Aug 2025 13:51	YP/AJ	Ok
11	20 PPM AROMATIC HC STD	FC069620.D	08 Aug 2025 14:36	YP/AJ	Ok
12	PB169177BL	FC069621.D	08 Aug 2025 15:21	YP/AJ	Ok
13	PB169177BS	FC069622.D	08 Aug 2025 16:06	YP/AJ	Ok
14	PB169177BSD	FC069623.D	08 Aug 2025 16:51	YP/AJ	Ok
15	Q2798-01	FC069624.D	08 Aug 2025 17:35	YP/AJ	Ok
16	Q2798-01D	FC069625.D	08 Aug 2025 18:19	YP/AJ	Ok
17	Q2798-01MS	FC069626.D	08 Aug 2025 19:03	YP/AJ	Ok
18	Q2798-01MSD	FC069627.D	08 Aug 2025 19:46	YP/AJ	Ok
19	Q2759-04DL	FC069628.D	08 Aug 2025 20:30	YP/AJ	Dilution
20	Q2759-04DL2	FC069629.D	08 Aug 2025 21:14	YP/AJ	Ok
21	I.BLK	FC069630.D	08 Aug 2025 22:43	YP/AJ	Ok

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC080825AL

Review By	yogesh	Review On	8/8/2025 1:10:24 PM		
Supervise By	mohammad	Supervise On	8/12/2025 1:18:54 AM		
SubDirectory	FC080825AL	HP Acquire Method		HP Processing Method	FC080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	20 PPM ALIPHATIC HC STD	FC069631.D	08 Aug 2025 23:30	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE080125AL

Review By	yogesh	Review On	8/1/2025 10:51:38 AM		
Supervise By	mohammad	Supervise On	8/5/2025 1:59:38 AM		
SubDirectory	FE080125AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE055100.D	01 Aug 2025 10:24	YP\AJ	Ok
2	I.BLK	FE055101.D	01 Aug 2025 10:54	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE055102.D	01 Aug 2025 11:24	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE055103.D	01 Aug 2025 11:54	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE055104.D	01 Aug 2025 12:25	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE055105.D	01 Aug 2025 12:55	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE055106.D	01 Aug 2025 13:25	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE055107.D	01 Aug 2025 13:55	YP\AJ	Ok
9	I.BLK	FE055108.D	01 Aug 2025 14:25	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE055109.D	01 Aug 2025 14:55	YP\AJ	Ok
11	PB169089BL	FE055110.D	01 Aug 2025 16:36	YP\AJ	Ok
12	PB169089BS	FE055111.D	01 Aug 2025 17:07	YP\AJ	Ok
13	PB169089BSD	FE055112.D	01 Aug 2025 17:37	YP\AJ	Ok
14	Q2740-02	FE055113.D	01 Aug 2025 18:07	YP\AJ	Ok
15	Q2741-01	FE055114.D	01 Aug 2025 18:37	YP\AJ	Ok,M
16	Q2741-02	FE055115.D	01 Aug 2025 19:07	YP\AJ	Ok,M
17	Q2734-01	FE055116.D	01 Aug 2025 19:38	YP\AJ	Dilution
18	I.BLK	FE055117.D	01 Aug 2025 20:08	YP\AJ	Ok
19	20 PPM ALIPHATIC HC STD	FE055118.D	01 Aug 2025 20:38	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_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE080825AL

Review By	yogesh	Review On	8/8/2025 1:08:36 PM		
Supervise By	mohammad	Supervise On	8/12/2025 1:18:07 AM		
SubDirectory	FE080825AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE055196.D	08 Aug 2025 05:25	YP\AJ	Ok
2	I.BLK	FE055197.D	08 Aug 2025 05:56	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE055198.D	08 Aug 2025 06:26	YP\AJ	Ok
4	Q2783-01DL	FE055199.D	08 Aug 2025 07:50	YP\AJ	Ok
5	Q2784-01DL	FE055200.D	08 Aug 2025 08:20	YP\AJ	Ok
6	Q2784-02DL	FE055201.D	08 Aug 2025 09:13	YP\AJ	Ok
7	Q2786-01DL	FE055202.D	08 Aug 2025 09:43	YP\AJ	Ok
8	Q2786-02DL	FE055203.D	08 Aug 2025 10:14	YP\AJ	Ok
9	Q2786-03DL	FE055204.D	08 Aug 2025 10:44	YP\AJ	Ok
10	Q2788-01DL	FE055205.D	08 Aug 2025 11:14	YP\AJ	Ok
11	Q2788-02DL	FE055206.D	08 Aug 2025 11:45	YP\AJ	Not Ok
12	Q2774-07DL	FE055207.D	08 Aug 2025 13:16	YP\AJ	Ok,M
13	Q2774-10DL	FE055208.D	08 Aug 2025 13:46	YP\AJ	Ok
14	Q2788-02DL	FE055209.D	08 Aug 2025 14:16	YP\AJ	Ok
15	I.BLK	FE055210.D	08 Aug 2025 14:47	YP\AJ	Ok
16	20 PPM ALIPHATIC HC STD	FE055211.D	08 Aug 2025 15:17	YP\AJ	Ok
17	Q2793-01	FE055212.D	08 Aug 2025 15:47	YP\AJ	Ok
18	Q2798-02	FE055213.D	08 Aug 2025 16:18	YP\AJ	Ok
19	Q2800-01	FE055214.D	08 Aug 2025 16:48	YP\AJ	Ok
20	Q2801-01	FE055215.D	08 Aug 2025 17:18	YP\AJ	Dilution
21	Q2801-02	FE055216.D	08 Aug 2025 17:49	YP\AJ	Dilution

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE080825AL

Review By	yogesh	Review On	8/8/2025 1:08:36 PM		
Supervise By	mohammad	Supervise On	8/12/2025 1:18:07 AM		
SubDirectory	FE080825AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2802-01	FE055217.D	08 Aug 2025 18:19	YP\AJ	Ok
23	Q2802-02	FE055218.D	08 Aug 2025 18:49	YP\AJ	Ok
24	Q2802-03	FE055219.D	08 Aug 2025 19:20	YP\AJ	Ok
25	I.BLK	FE055220.D	08 Aug 2025 20:20	YP\AJ	Ok
26	20 PPM ALIPHATIC HC STD	FE055221.D	08 Aug 2025 20:50	YP\AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC080125AL

Review By	yogesh	Review On	8/1/2025 10:37:24 AM		
Supervise By	mohammad	Supervise On	8/5/2025 1:59:30 AM		
SubDirectory	FC080125AL	HP Acquire Method		HP Processing Method	FC080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069556.D	01 Aug 2025 09:39		YP/AJ	Ok
2	I.BLK	I.BLK	FC069557.D	01 Aug 2025 10:20		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC069558.D	01 Aug 2025 11:01		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC069559.D	01 Aug 2025 11:43		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069560.D	01 Aug 2025 12:24		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC069561.D	01 Aug 2025 13:06		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC069562.D	01 Aug 2025 13:47		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069563.D	01 Aug 2025 14:28		YP/AJ	Ok
9	I.BLK	I.BLK	FC069564.D	01 Aug 2025 15:10		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069565.D	01 Aug 2025 15:52		YP/AJ	Ok
11	Q2740-01	OR-02-07312025	FC069566.D	01 Aug 2025 16:37	Need 2X	YP/AJ	Dilution
12	Q2740-01D	Q2740-01D	FC069567.D	01 Aug 2025 17:19		YP/AJ	Ok
13	Q2740-01MS	OR-02-07312025MS	FC069568.D	01 Aug 2025 18:02	FC069566.D	YP/AJ	Ok,M
14	Q2740-01MSD	OR-02-07312025MSD	FC069569.D	01 Aug 2025 18:44	FC069566.D!FC069568.D	YP/AJ	Ok,M
15	I.BLK	I.BLK	FC069570.D	01 Aug 2025 19:26		YP/AJ	Ok
16	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069571.D	01 Aug 2025 20:09		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC080825AL

Review By	yogesh	Review On	8/8/2025 1:10:24 PM		
Supervise By	mohammad	Supervise On	8/12/2025 1:18:54 AM		
SubDirectory	FC080825AL	HP Acquire Method		HP Processing Method	FC080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069610.D	08 Aug 2025 05:25		YP/AJ	Ok
2	I.BLK	I.BLK	FC069611.D	08 Aug 2025 06:05		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069612.D	08 Aug 2025 06:46		YP/AJ	Ok
4	Q2779-01DL	TP-4DL	FC069613.D	08 Aug 2025 07:32		YP/AJ	Ok
5	Q2779-02DL	TP-4-EPHDL	FC069614.D	08 Aug 2025 08:13		YP/AJ	Ok
6	PB169161BL	PB169161BL	FC069615.D	08 Aug 2025 10:52		YP/AJ	Ok
7	PB169161BS	PB169161BS	FC069616.D	08 Aug 2025 11:36		YP/AJ	Ok
8	PB169161BSD	PB169161BSD	FC069617.D	08 Aug 2025 12:21		YP/AJ	Ok
9	Q2759-04	LIQUID-DRUM	FC069618.D	08 Aug 2025 13:06	Need 20X,100X	YP/AJ	Dilution
10	I.BLK	I.BLK	FC069619.D	08 Aug 2025 13:51		YP/AJ	Ok
11	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FC069620.D	08 Aug 2025 14:36		YP/AJ	Ok
12	PB169177BL	PB169177BL	FC069621.D	08 Aug 2025 15:21		YP/AJ	Ok
13	PB169177BS	PB169177BS	FC069622.D	08 Aug 2025 16:06	naphthalene break down - 0.501, 2-methylnephthalene break down - 0.328	YP/AJ	Ok
14	PB169177BSD	PB169177BSD	FC069623.D	08 Aug 2025 16:51	naphthalene break down - 0.438, 2-methylnephthalene break down - 0.379	YP/AJ	Ok
15	Q2798-01	TP-6	FC069624.D	08 Aug 2025 17:35		YP/AJ	Ok
16	Q2798-01D	Q2798-01D	FC069625.D	08 Aug 2025 18:19		YP/AJ	Ok

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC080825AL

Review By	yogesh	Review On	8/8/2025 1:10:24 PM		
Supervise By	mohammad	Supervise On	8/12/2025 1:18:54 AM		
SubDirectory	FC080825AL	HP Acquire Method		HP Processing Method	FC080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	Q2798-01MS	TP-6MS	FC069626.D	08 Aug 2025 19:03	FC069624.D	YP/AJ	Ok
18	Q2798-01MSD	TP-6MSD	FC069627.D	08 Aug 2025 19:46	FC069624.D!FC069626.D	YP/AJ	Ok
19	Q2759-04DL	LIQUID-DRUMDL	FC069628.D	08 Aug 2025 20:30	Need further dilution	YP/AJ	Dilution
20	Q2759-04DL2	LIQUID-DRUMDL2	FC069629.D	08 Aug 2025 21:14		YP/AJ	Ok
21	I.BLK	I.BLK	FC069630.D	08 Aug 2025 22:43		YP/AJ	Ok
22	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069631.D	08 Aug 2025 23:30		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE080125AL

Review By	yogesh	Review On	8/1/2025 10:51:38 AM		
Supervise By	mohammad	Supervise On	8/5/2025 1:59:38 AM		
SubDirectory	FE080125AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE055100.D	01 Aug 2025 10:24		YP\AJ	Ok
2	I.BLK	I.BLK	FE055101.D	01 Aug 2025 10:54		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE055102.D	01 Aug 2025 11:24		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE055103.D	01 Aug 2025 11:54		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055104.D	01 Aug 2025 12:25		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE055105.D	01 Aug 2025 12:55		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE055106.D	01 Aug 2025 13:25		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055107.D	01 Aug 2025 13:55		YP\AJ	Ok
9	I.BLK	I.BLK	FE055108.D	01 Aug 2025 14:25		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055109.D	01 Aug 2025 14:55		YP\AJ	Ok
11	PB169089BL	PB169089BL	FE055110.D	01 Aug 2025 16:36		YP\AJ	Ok
12	PB169089BS	PB169089BS	FE055111.D	01 Aug 2025 17:07		YP\AJ	Ok
13	PB169089BSD	PB169089BSD	FE055112.D	01 Aug 2025 17:37		YP\AJ	Ok
14	Q2740-02	OR-02-07312025-E2	FE055113.D	01 Aug 2025 18:07		YP\AJ	Ok
15	Q2741-01	TR-05-07312025	FE055114.D	01 Aug 2025 18:37		YP\AJ	Ok,M
16	Q2741-02	TR-05-07312025-E2	FE055115.D	01 Aug 2025 19:07		YP\AJ	Ok,M
17	Q2734-01	VNJ-253	FE055116.D	01 Aug 2025 19:38	Need 2X	YP\AJ	Dilution
18	I.BLK	I.BLK	FE055117.D	01 Aug 2025 20:08		YP\AJ	Ok

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE080125AL

Review By	yogesh	Review On	8/1/2025 10:51:38 AM		
Supervise By	mohammad	Supervise On	8/5/2025 1:59:38 AM		
SubDirectory	FE080125AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055118.D	01 Aug 2025 20:38		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_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE080825AL

Review By	yogesh	Review On	8/8/2025 1:08:36 PM		
Supervise By	mohammad	Supervise On	8/12/2025 1:18:07 AM		
SubDirectory	FE080825AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE055196.D	08 Aug 2025 05:25		YP\AJ	Ok
2	I.BLK	I.BLK	FE055197.D	08 Aug 2025 05:56		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055198.D	08 Aug 2025 06:26		YP\AJ	Ok
4	Q2783-01DL	RT5414DL	FE055199.D	08 Aug 2025 07:50		YP\AJ	Ok
5	Q2784-01DL	EO-01-080625DL	FE055200.D	08 Aug 2025 08:20		YP\AJ	Ok
6	Q2784-02DL	EO-01-080625-E2DL	FE055201.D	08 Aug 2025 09:13		YP\AJ	Ok
7	Q2786-01DL	PL-01-08062025DL	FE055202.D	08 Aug 2025 09:43		YP\AJ	Ok
8	Q2786-02DL	PL-01-08062025-E2DL	FE055203.D	08 Aug 2025 10:14		YP\AJ	Ok
9	Q2786-03DL	PL-01-08062025-E3DL	FE055204.D	08 Aug 2025 10:44		YP\AJ	Ok
10	Q2788-01DL	OK-01-08062025DL	FE055205.D	08 Aug 2025 11:14		YP\AJ	Ok
11	Q2788-02DL	OK-01-08062025-E2DL	FE055206.D	08 Aug 2025 11:45	Not Used	YP\AJ	Not Ok
12	Q2774-07DL	RT3826DL	FE055207.D	08 Aug 2025 13:16		YP\AJ	Ok,M
13	Q2774-10DL	248-E2DL	FE055208.D	08 Aug 2025 13:46		YP\AJ	Ok
14	Q2788-02DL	OK-01-08062025-E2DL	FE055209.D	08 Aug 2025 14:16		YP\AJ	Ok
15	I.BLK	I.BLK	FE055210.D	08 Aug 2025 14:47		YP\AJ	Ok
16	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055211.D	08 Aug 2025 15:17		YP\AJ	Ok
17	Q2793-01	VNJ-231	FE055212.D	08 Aug 2025 15:47		YP\AJ	Ok
18	Q2798-02	TP-6-EPH	FE055213.D	08 Aug 2025 16:18		YP\AJ	Ok

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE080825AL

Review By	yogesh	Review On	8/8/2025 1:08:36 PM		
Supervise By	mohammad	Supervise On	8/12/2025 1:18:07 AM		
SubDirectory	FE080825AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2800-01	VNJ-222	FE055214.D	08 Aug 2025 16:48		YP\AJ	Ok
20	Q2801-01	TR-04-080725	FE055215.D	08 Aug 2025 17:18	Need 2X	YP\AJ	Dilution
21	Q2801-02	TR-04-080725-E2	FE055216.D	08 Aug 2025 17:49	Need 2X	YP\AJ	Dilution
22	Q2802-01	S-1A	FE055217.D	08 Aug 2025 18:19		YP\AJ	Ok
23	Q2802-02	S-1B	FE055218.D	08 Aug 2025 18:49		YP\AJ	Ok
24	Q2802-03	S-2	FE055219.D	08 Aug 2025 19:20		YP\AJ	Ok
25	I.BLK	I.BLK	FE055220.D	08 Aug 2025 20:20		YP\AJ	Ok
26	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055221.D	08 Aug 2025 20:50		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/8/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 08/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:17
Out Date: 08/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136742

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
Q2793-01	VNJ-231	1	1.15	10.43	11.58	10.82	92.7	
Q2793-02	VNJ-231	2	1.19	10.40	11.59	11.12	95.5	
Q2795-01	COMP-1	3	1.15	10.60	11.75	9.9	82.5	
Q2795-02	COMP-2	4	1.19	10.17	11.36	9.41	80.8	
Q2795-03	COMP-3	5	1.13	10.86	11.99	10.03	82.0	
Q2798-01	TP-6	6	1.18	10.17	11.35	10.25	89.2	
Q2798-02	TP-6-EPH	7	1.18	10.51	11.69	10.04	84.3	
Q2798-03	TP-6-VOC	8	1.18	10.21	11.39	10.06	87.0	
Q2800-01	VNJ-222	12	1.16	10.57	11.73	10.99	93.0	
Q2801-01	TR-04-080725	13	1.17	10.36	11.53	11.05	95.4	
Q2801-02	TR-04-080725-E2	14	1.14	10.41	11.55	10.71	91.9	
Q2802-01	S-1A	9	1.15	10.84	11.99	10.96	90.5	
Q2802-02	S-1B	10	1.16	10.20	11.36	9.04	77.3	
Q2802-03	S-2	11	1.15	10.84	11.99	10.4	85.3	

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

WORKLIST(Hardcopy Internal Chain)

WB 136742

WorkList Name : %1-080725 **WorkList ID :** 191140 **Department :** Wet-Chemistry **Date :** 08-07-2025 07:55:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2793-01	VNJ-231	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/07/2025	Chemtech -SO
Q2793-02	VNJ-231	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/07/2025	Chemtech -SO
Q2795-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	D31	08/06/2025	Chemtech -SO
Q2795-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	D31	08/06/2025	Chemtech -SO
Q2795-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	D31	08/06/2025	Chemtech -SO
Q2798-01	TP-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/07/2025	Chemtech -SO
Q2798-02	TP-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/07/2025	Chemtech -SO
Q2798-03	TP-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/07/2025	Chemtech -SO
Q2800-01	VNJ-222	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/07/2025	Chemtech -SO
Q2801-01	TR-04-080725	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/07/2025	Chemtech -SO
Q2801-02	TR-04-080725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/07/2025	Chemtech -SO
Q2802-01	S-1A	Solid	Percent Solids	Cool 4 deg C	EARTH03	J13	08/07/2025	Chemtech -SO
Q2802-02	S-1B	Solid	Percent Solids	Cool 4 deg C	EARTH03	J13	08/07/2025	Chemtech -SO
Q2802-03	S-2	Solid	Percent Solids	Cool 4 deg C	EARTH03	J13	08/07/2025	Chemtech -SO

08/07/25

Date/Time 08/07/25 15:30

Raw Sample Received by:

Raw Sample Relinquished by: SR

Date/Time 08/07/25 15:30

Raw Sample Received by: SR

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169177

SOP ID:	MNJDEP-EPH-8				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/08/2025
Matrix :	Solid			**Extraction Start Time :**	09:37
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	08/08/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:45
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
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	PP24767
Surrogate	1.0ML	100 PPM	PP24652
Fractionation Surrogate	1.0ML	100 PPM	PP24765
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2626
Baked Na2SO4	N/A	EP2629
Sand	N/A	E3951
Hexane	N/A	E3962
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:**	NEVIDAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/8/25	RS (Ext lab)	Test-Pack Lab
13:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169177

Analytical Method: MNJDEP-EPH-8

Concentration Date: 08/08/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169177BL	PB169177BL	EPH_NF	30.03	N/A	ritesh	RUPESH	2			U1-1
PB169177BS	PB169177BS	EPH_NF	30.02	N/A	ritesh	RUPESH	2			2
PB169177BSD	PB169177BSD	EPH_NF	30.03	N/A	ritesh	RUPESH	2			3
Q2793-01	VNJ-231	EPH_NF	30.06	N/A	ritesh	RUPESH	2	E		4
Q2798-01	TP-6	EPH_NF	30.08	N/A	ritesh	RUPESH	2	E		5
Q2798-01DUP	TP-6DUP	EPH_NF	30.10	N/A	ritesh	RUPESH	2	E		6
Q2798-01MS	TP-6MS	EPH_NF	30.03	N/A	ritesh	RUPESH	2	E		U2-1
Q2798-01MSD	TP-6MSD	EPH_NF	30.05	N/A	ritesh	RUPESH	2	E		2
Q2798-02	TP-6-EPH	EPH_NF	30.09	N/A	ritesh	RUPESH	2			3
Q2800-01	VNJ-222	EPH_NF	30.07	N/A	ritesh	RUPESH	2	E		4
Q2801-01	TR-04-080725	EPH_NF	30.04	N/A	ritesh	RUPESH	2	E		5
Q2801-02	TR-04-080725-E2	EPH_NF	30.08	N/A	ritesh	RUPESH	2			6
Q2802-01	S-1A	EPH_NF	30.02	N/A	ritesh	RUPESH	2			U3-1
Q2802-02	S-1B	EPH_NF	30.05	N/A	ritesh	RUPESH	2			2
Q2802-03	S-2	EPH_NF	30.07	N/A	ritesh	RUPESH	2			3

RS
8/8

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

191177
9:37

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2802 **WorkList ID :** 191177 **Department :** Extraction **Date :** 08-08-2025 09:19:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2793-01	VNJ-231	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	08/07/2025	NJEPH
Q2798-01	TP-6	Solid	EPH_NF	Cool 4 deg C	PSEG03	D21	08/07/2025	NJEPH
Q2798-02	TP-6-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	D21	08/07/2025	NJEPH
Q2800-01	VNJ-222	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	08/07/2025	NJEPH
Q2801-01	TR-04-080725	Solid	EPH_NF	Cool 4 deg C	PSEG05	D21	08/07/2025	NJEPH
Q2801-02	TR-04-080725-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	D21	08/07/2025	NJEPH
Q2802-01	S-1A	Solid	EPH_NF	Cool 4 deg C	EARTH03	J13	08/07/2025	NJEPH
Q2802-02	S-1B	Solid	EPH_NF	Cool 4 deg C	EARTH03	J13	08/07/2025	NJEPH
Q2802-03	S-2	Solid	EPH_NF	Cool 4 deg C	EARTH03	J13	08/07/2025	NJEPH

Date/Time 08/08/25 9:30
Raw Sample Received by: RJ (EZ-Lab)
Raw Sample Relinquished by: CP

Date/Time 08/08/25 9:50
Raw Sample Received by: CP
Raw Sample Relinquished by: RJ (EZ-Lab)

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q2802
COC Number 2047492

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Earth Engineering Inc.
ADDRESS: 403 Commerce Lane
CITY West Berlin STATE: NJ ZIP: 08091
ATTENTION: Frank Dougherty
PHONE: 856-768-1001 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME 3313 Bay Avenue
PROJECT NO.: 38584 LOCATION: NJ
PROJECT MANAGER: Frank Dougherty
e-mail: Frankd@earthengineering.com
PHONE: 856-768-1001 FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

☒ Level 1 (Results Only) ☐ Level 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
☐ EDD FORMAT

ANALYSIS

EPH

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	COMMENTS
1.	S-1A	Soil		X	8-7-25	9:45	1	X									
2.	S-1B	Soil		X	8-7-25	10:30	1	X									
3.	S-2	Soil		X	8-7-25	11:25	1	X									
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← 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.	6/7/25 1435	1. 14:35
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.1 °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