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Cover Page

Order ID : Q2928

Project ID : Residential Soil Testing

Client : Hero Construction

Lab Sample Number	Client Sample Number
Q2928-01	27-BELL
Q2928-02	27-BELL

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

Signature : _____

Date: 8/28/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2928**

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

QA Review Signature: **PRADIP PRAJAPATI** **Date:** **08/28/2025**

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LAB CHRONICLE

OrderID:	Q2928	**OrderDate:**	8/21/2025 12:10:14 PM
Client:	Hero Construction	**Project:**	Residential Soil Testing
Contact:	Khadija Smith	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2928-01	**27-BELL**	**SOIL**			**08/21/25**			**08/21/25**
			PCB	8082A		08/22/25	08/22/25	
			Pesticide-TCL	8081B		08/22/25	08/22/25	
			EPH_F2	NJEPH		08/27/25	08/27/25	

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: HERO01

Lab Code: ACE SDG No.: Q2928

Run Number: FE082725AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB169422BL	89	88		0
PB169422BS	91	87		0
PB169422BSD	92	87		0
27-BELL	57	47		0
27-BELLMS	59	48		0
27-BELLMSD	55	44		0

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

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

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SOIL EPH SURROGATE RECOVERY

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

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

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SOLID EPH_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Hero Construction

Lab Code: ACE **SDG No:** Q2928

Sample No : Q2928-01MS **Datafile:** FE055539.D **Client ID :** 27-BELLMS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	35.1	17.5	66.6	139		(40-140)
Aliphatic C9-C28	117.0	14.5	130	100		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	3.9	0.0000	3.7883	97		(40-140)
n-Decane (C10)	3.9	0.0000	8.4127	216	*	(40-140)
Naphthalene (C11.7)	3.9	0.0000	4.2160	108		(40-140)
n-Dodecane (C12)	3.9	0.0000	4.0766	105		(40-140)
2-methylnaphthalene (C12.89)	3.9	0.0000	4.0253	103		(40-140)
n-Tetradecane (C14)	3.9	0.0000	4.1033	105		(40-140)
n-Hexadecane (C16)	3.9	0.0000	4.0888	105		(40-140)
n-Octadecane (C18)	3.9	0.0000	3.9890	102		(40-140)
n-Eicosane (C20)	3.9	0.0000	4.2939	110		(40-140)
n-Heneicosane (C21)	3.9	0.0000	4.1757	107		(40-140)
n-Docosane (C22)	3.9	0.0000	4.2490	109		(40-140)
n-Tetracosane (C24)	7.8	0.0000	14.0178	180	*	(40-140)
n-Hexacosane (C26)	3.9	0.0000	4.1537	107		(40-140)
n-Octacosane (C28)	3.9	0.0000	4.4116	113		(40-140)
n-Tricontane (C30)	3.9	0.0000	4.3567	112		(40-140)
n-Dotriacontane (C32)	3.9	0.0000	4.7772	122		(40-140)
n-Tetratriacontane (C34)	3.9	0.0000	4.9807	128		(40-140)
n-Hexatriacontane (C36)	3.9	0.0000	5.6829	146	*	(40-140)
n-Octatriacontane (C38)	3.9	0.0000	5.8059	149	*	(40-140)
n-Tetracontane (C40)	3.9	0.0000	5.4207	139		(40-140)

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SOLID EPH_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Hero Construction

Lab Code: ACE **SDG No:** Q2928

Sample No : Q2928-01MSD **Datafile:** FE055540.D **Client ID :** 27-BELLMSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS (%)	QC Limit Of RPD
Aliphatic C28-C40	35.1	17.5	66.7	140	*	0.72 |	(40-140)	50
Aliphatic C9-C28	117.0	14.5	131	100		0.4 |	(40-140)	50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS (%)	QC Limit Of RPD
n-Nonane (C9)	3.9	0.0000	3.8996	100		0 |	(40-140)	50
n-Decane (C10)	3.9	0.0000	8.6239	221	*	0 |	(40-140)	50
Naphthalene (C11.7)	3.9	0.0000	4.2869	110		0 |	(40-140)	50
n-Dodecane (C12)	3.9	0.0000	4.1643	107		0 |	(40-140)	50
2-methylnaphthalene (C12.89)	3.9	0.0000	4.0741	104		0 |	(40-140)	50
n-Tetradecane (C14)	3.9	0.0000	4.1553	107		0 |	(40-140)	50
n-Hexadecane (C16)	3.9	0.0000	4.1115	105		0 |	(40-140)	50
n-Octadecane (C18)	3.9	0.0000	3.9928	102		0 |	(40-140)	50
n-Eicosane (C20)	3.9	0.0000	4.2939	110		0 |	(40-140)	50
n-Heneicosane (C21)	3.9	0.0000	4.1799	107		0 |	(40-140)	50
n-Docosane (C22)	3.9	0.0000	4.2529	109		0 |	(40-140)	50
n-Tetracosane (C24)	7.8	0.0000	14.0669	180	*	0 |	(40-140)	50
n-Hexacosane (C26)	3.9	0.0000	4.1766	107		0 |	(40-140)	50
n-Octacosane (C28)	3.9	0.0000	4.4149	113		0 |	(40-140)	50
n-Tricontane (C30)	3.9	0.0000	4.3321	111		0 |	(40-140)	50
n-Dotriacontane (C32)	3.9	0.0000	4.7814	123		0 |	(40-140)	50
n-Tetratriacontane (C34)	3.9	0.0000	5.0253	129		0 |	(40-140)	50
n-Hexatriacontane (C36)	3.9	0.0000	5.6927	146	*	0 |	(40-140)	50
n-Octatriacontane (C38)	3.9	0.0000	5.9523	153	*	0 |	(40-140)	50
n-Tetracontane (C40)	3.9	0.0000	5.5314	142	*	0 |	(40-140)	50

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SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Hero Construction

Lab Code: ACE **SDG No:** Q2928

Sample No : PB169422BS **Datafile:** FE055536.D **Client ID :** PB169422BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	30.0	29.9	100		(40-140)
Aliphatic C9-C28	100.1	93.2	93		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	3.00564	91		(40-140)
n-Decane (C10)	3.3	3.13823	95		(40-140)
Naphthalene (C11.7)	3.3	3.29909	100		(40-140)
n-Dodecane (C12)	3.3	3.23764	98		(40-140)
2-methylnaphthalene (C12.89)	3.3	3.11568	94		(40-140)
n-Tetradecane (C14)	3.3	3.24779	98		(40-140)
n-Hexadecane (C16)	3.3	3.23067	98		(40-140)
n-Octadecane (C18)	3.3	3.18070	96		(40-140)
n-Eicosane (C20)	3.3	3.37288	102		(40-140)
n-Heneicosane (C21)	3.3	3.30172	100		(40-140)
n-Docosane (C22)	3.3	3.28674	100		(40-140)
n-Tetracosane (C24)	6.7	6.89669	103		(40-140)
n-Hexacosane (C26)	3.3	3.28837	100		(40-140)
n-Octacosane (C28)	3.3	3.32781	101		(40-140)
n-Tricontane (C30)	3.3	3.23362	98		(40-140)
n-Dotriacontane (C32)	3.3	3.23351	98		(40-140)
n-Tetratriacontane (C34)	3.3	3.40242	103		(40-140)
n-Hexatriacontane (C36)	3.3	3.18658	97		(40-140)
n-Octatriacontane (C38)	3.3	2.73890	83		(40-140)
n-Tetracontane (C40)	3.3	2.34907	71		(40-140)

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SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Hero Construction

Lab Code: ACE **SDG No:** Q2928

Sample No : PB169422BSD **Datafile:** FE055537.D **Client ID :** PB169422BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS (%)	QC Limit Of RPD
Aliphatic C28-C40	30.0	31.7	105		5.9|	(40-140)	25
Aliphatic C9-C28	99.9	92.6	92		0.543|	(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	2.93911	89		2.22|	(40-140)	25
n-Decane (C10)	3.3	3.07788	93		2.13|	(40-140)	25
Naphthalene (C11.7)	3.3	3.23708	98		2.02|	(40-140)	25
n-Dodecane (C12)	3.3	3.17568	96		2.06|	(40-140)	25
2-methylnaphthalene (C12.89)	3.3	3.06496	93		1.07|	(40-140)	25
n-Tetradecane (C14)	3.3	3.17727	96		2.06|	(40-140)	25
n-Hexadecane (C16)	3.3	3.16108	96		2.06|	(40-140)	25
n-Octadecane (C18)	3.3	3.13513	95		1.05|	(40-140)	25
n-Eicosane (C20)	3.3	3.35411	102		0|	(40-140)	25
n-Heneicosane (C21)	3.3	3.29787	100		0|	(40-140)	25
n-Docosane (C22)	3.3	3.29128	100		0|	(40-140)	25
n-Tetracosane (C24)	6.7	6.95338	104		0.97|	(40-140)	25
n-Hexacosane (C26)	3.3	3.31002	100		0|	(40-140)	25
n-Octacosane (C28)	3.3	3.33968	101		0|	(40-140)	25
n-Tricontane (C30)	3.3	3.24383	98		0|	(40-140)	25
n-Dotriacontane (C32)	3.3	3.22467	98		0|	(40-140)	25
n-Tetratriacontane (C34)	3.3	3.46665	105		1.92|	(40-140)	25
n-Hexatriacontane (C36)	3.3	3.38271	103		6|	(40-140)	25
n-Octatriacontane (C38)	3.3	3.23510	98		16.57|	(40-140)	25
n-Tetracontane (C40)	3.3	3.01500	91		24.69|	(40-140)	25

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4B

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
PB169422BL

Lab Name: Alliance Contract: HERO01

Lab Code: ACE SDG NO.: Q2928

Instrument ID: FID_E Lab Sample ID: PB169422BL

Matrix: (soil/water) Solid Date Extracted: 8/27/2025 9:20:00 A

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB169422BS	PB169422BS
PB169422BSD	PB169422BSD
27-BELL	Q2928-01
27-BELLMS	Q2928-01MS
27-BELLMSD	Q2928-01MSD

COMMENTS:

SAMPLE DATA

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Report of Analysis

Client:	Hero Construction		Date Collected:	08/21/25	
Project:	Residential Soil Testing		Date Received:	08/21/25	
Client Sample ID:	27-BELL		SDG No.:	Q2928	
Lab Sample ID:	Q2928-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.3	
Sample Wt/Vol:	30.09	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
08/27/25 09:20	08/27/25 16:26	PB169422

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	14.5		1	1.06	4.68	mg/kg	FE055538.D
Total EPH	Total EPH	14.5			1.06	4.68	mg/kg	

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

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

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

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Report of Analysis

Client:	Hero Construction	Date Collected:	08/21/25
Project:	Residential Soil Testing	Date Received:	08/21/25
Client Sample ID:	27-BELL	SDG No.:	Q2928
Lab Sample ID:	Q2928-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055538.D	1	08/27/25	08/27/25	PB169422

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		14.5		1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		17.5		1.38	2.34	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		28.5		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		23.6		40 - 140	47%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2928-01	Acq On:	27 Aug 2025 16:26
Client Sample ID:	27-BELL	Operator:	YP\AJ
Data file:	FE055538.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.949	707090	6.055	300	ug/ml
Aliphatic C12-C16	6.950	10.402	1675553	13.38	200	ug/ml
Aliphatic C16-C21	10.403	13.780	6364307	50.349	300	ug/ml
Aliphatic C21-C28	13.781	17.453	13990261	116.096	400	ug/ml
Aliphatic C28-C40	17.454	22.472	25633025	224.876	600	ug/ml
Aliphatic EPH	3.315	22.472	48370236	410.756		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	3373623	23.62		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	3061220	28.47		ug/ml
Aliphatic C9-C28	3.315	17.453	22737211	185.88	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055538.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 16:26
Operator : YP\AJ
Sample : Q2928-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 28 01:14:56 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)	12.078	3373623	23.624 ug/ml
Spiked Amount 50.000		Recovery = 47.25%	
12) S 1-chlorooctadecane (S...	13.515	3061220	28.470 ug/ml
Spiked Amount 50.000		Recovery = 56.94%	
Target Compounds			

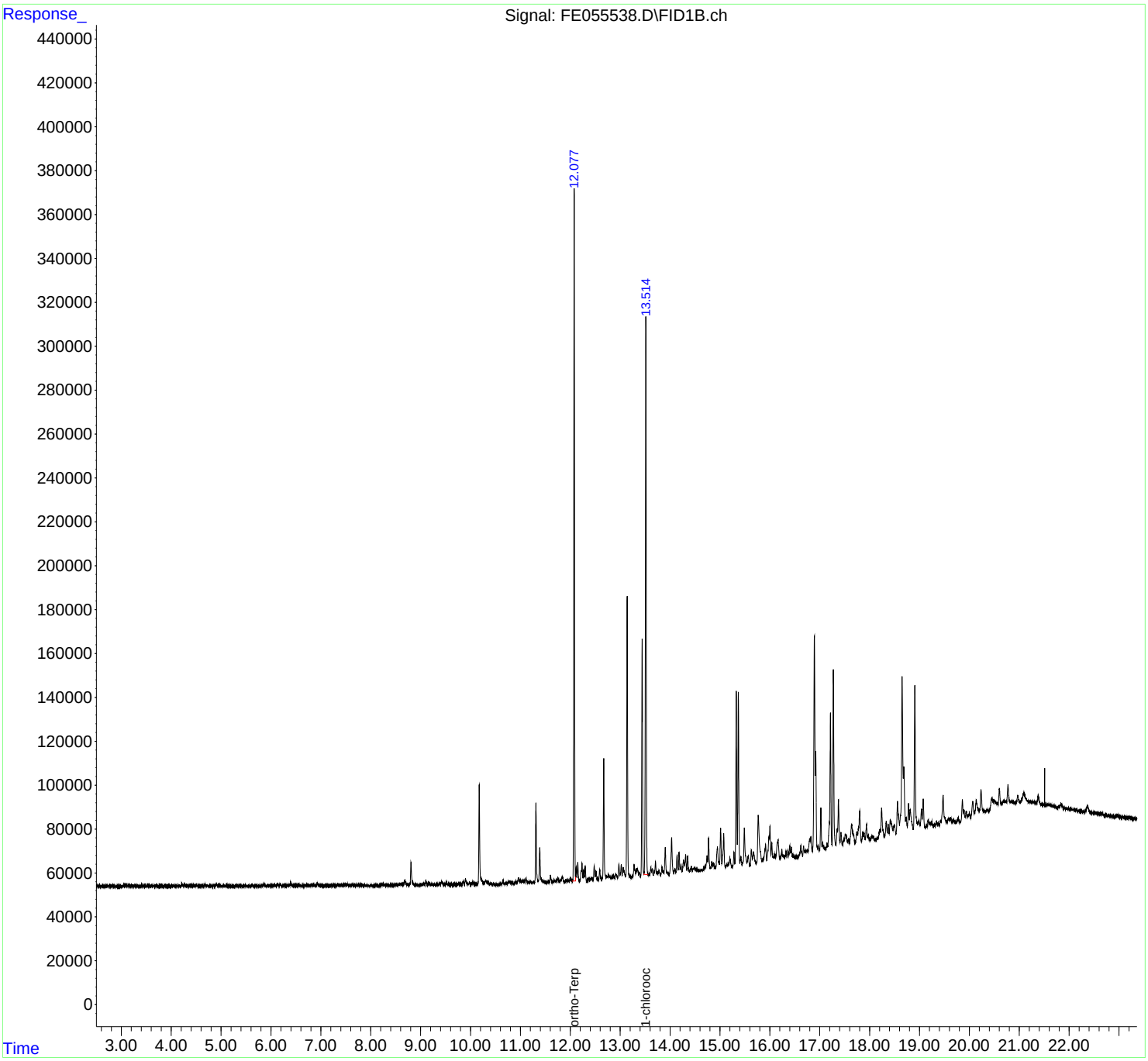
(f)=RT Delta > 1/2 Window (m)=manual int.

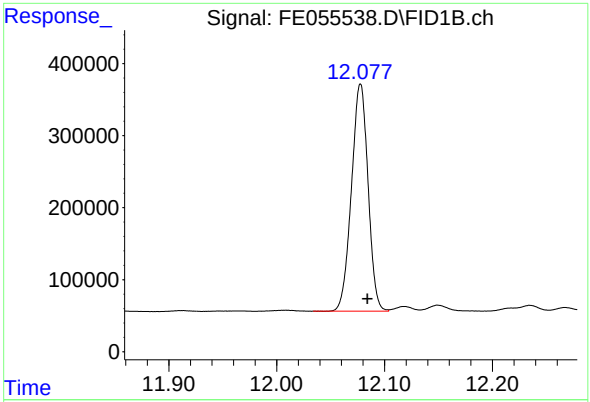
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055538.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 16:26
Operator : YP\AJ
Sample : Q2928-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 28 01:14:56 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

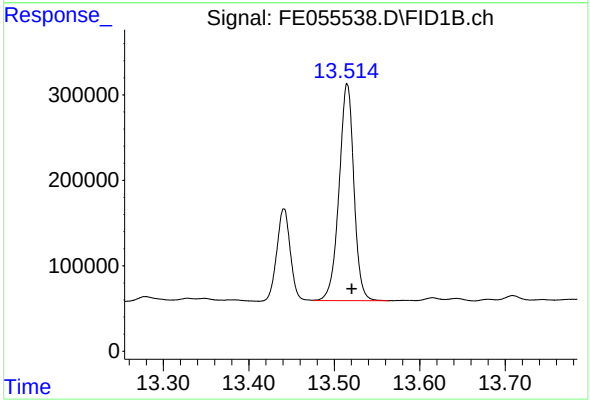
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





#9 ortho-Terphenyl (SURR)

R.T.: 12.078 min
Delta R.T.: -0.006 min
Response: 3373623
Conc: 23.62 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.515 min
Delta R.T.: -0.005 min
Response: 3061220
Conc: 28.47 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055538.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 16:26
Sample : Q2928-01
Misc :
ALS Vial : 14 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	2.841	2.805	2.888	BV	251	5867	0.17%	0.011%
2	2.907	2.888	2.921	VV	127	1227	0.04%	0.002%
3	2.933	2.921	2.962	PV	74	1329	0.04%	0.002%
4	2.993	2.962	3.008	PV	133	1809	0.05%	0.003%
5	3.054	3.008	3.081	VV	562	12110	0.36%	0.022%
6	3.106	3.081	3.138	VV	364	8597	0.25%	0.016%
7	3.155	3.138	3.217	VV	359	10208	0.30%	0.019%
8	3.226	3.217	3.253	VV	282	3269	0.10%	0.006%
9	3.267	3.253	3.275	VV	173	1957	0.06%	0.004%
10	3.304	3.275	3.311	VV	256	4345	0.13%	0.008%
11	3.328	3.311	3.359	VV	367	6384	0.19%	0.012%
12	3.367	3.359	3.387	VV	192	2323	0.07%	0.004%
13	3.413	3.387	3.518	VV	711	16450	0.49%	0.030%
14	3.540	3.518	3.551	VV	191	3419	0.10%	0.006%
15	3.563	3.551	3.575	VV	219	2697	0.08%	0.005%
16	3.578	3.575	3.585	VV	255	1344	0.04%	0.002%
17	3.594	3.585	3.621	VV	269	4228	0.12%	0.008%
18	3.640	3.621	3.681	VV	259	6794	0.20%	0.012%
19	3.697	3.681	3.761	VV	169	7998	0.24%	0.015%
20	3.775	3.761	3.815	VV	347	6903	0.20%	0.013%
21	3.821	3.815	3.841	VV	169	1966	0.06%	0.004%
22	3.871	3.841	3.885	VV	344	5913	0.17%	0.011%
23	3.902	3.885	3.941	VV	255	6584	0.19%	0.012%
24	4.007	3.941	4.045	VV	335	12194	0.36%	0.022%
25	4.053	4.045	4.062	VV	174	1666	0.05%	0.003%
26	4.069	4.062	4.088	VV	202	2549	0.08%	0.005%
27	4.106	4.088	4.162	VV	330	9456	0.28%	0.017%
28	4.172	4.162	4.188	VV	130	1905	0.06%	0.003%
29	4.211	4.188	4.241	VV	1146	17737	0.52%	0.032%
30	4.257	4.241	4.308	VV	585	15958	0.47%	0.029%
31	4.316	4.308	4.357	VV	373	8322	0.25%	0.015%

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32	4.377	4.357	4.435	VV	503	16424	0.48%	0.030%
33	4.442	4.435	4.489	VV	394	9289	0.27%	0.017%
34	4.514	4.489	4.555	VV	293	8454	0.25%	0.015%
35	4.570	4.555	4.606	VV	181	4919	0.15%	0.009%
36	4.629	4.606	4.650	VV	214	4719	0.14%	0.009%
37	4.673	4.650	4.695	VV	934	12151	0.36%	0.022%
38	4.717	4.695	4.810	VV	714	20192	0.60%	0.037%
39	4.820	4.810	4.831	VV	144	1463	0.04%	0.003%
40	4.844	4.831	4.865	VV	317	4123	0.12%	0.008%
41	4.910	4.865	4.941	VV	1023	19071	0.56%	0.035%
42	4.959	4.941	4.975	VV	452	7342	0.22%	0.013%
43	4.986	4.975	5.031	VV	396	10045	0.30%	0.018%
44	5.053	5.031	5.092	VV	428	12239	0.36%	0.022%
45	5.100	5.092	5.185	VV	385	15191	0.45%	0.028%
46	5.195	5.185	5.270	VV	241	8346	0.25%	0.015%
47	5.335	5.270	5.368	VV	383	11432	0.34%	0.021%
48	5.390	5.368	5.450	VV	285	10409	0.31%	0.019%
49	5.499	5.450	5.548	VV	366	14118	0.42%	0.026%
50	5.566	5.548	5.599	VV	328	7021	0.21%	0.013%
51	5.622	5.599	5.681	VV	802	18579	0.55%	0.034%
52	5.691	5.681	5.715	VV	272	4590	0.14%	0.008%
53	5.725	5.715	5.736	VV	261	2518	0.07%	0.005%
54	5.746	5.736	5.785	VV	240	6019	0.18%	0.011%
55	5.815	5.785	5.829	VV	523	8069	0.24%	0.015%
56	5.854	5.829	5.918	VV	1222	28436	0.84%	0.052%
57	5.933	5.918	5.981	VV	536	11749	0.35%	0.021%
58	6.010	5.981	6.035	VV	393	9558	0.28%	0.017%
59	6.060	6.035	6.111	VV	648	18200	0.54%	0.033%
60	6.134	6.111	6.159	VV	1286	18678	0.55%	0.034%
61	6.185	6.159	6.210	VV	1129	17149	0.51%	0.031%
62	6.234	6.210	6.246	VV	333	6351	0.19%	0.012%
63	6.297	6.246	6.311	VV	492	14383	0.42%	0.026%
64	6.333	6.311	6.372	VV	485	15771	0.47%	0.029%
65	6.395	6.372	6.464	VV	2028	41490	1.22%	0.076%
66	6.496	6.464	6.525	VV	533	16408	0.48%	0.030%
67	6.553	6.525	6.607	VV	584	21642	0.64%	0.039%
68	6.630	6.607	6.666	VV	483	11541	0.34%	0.021%
69	6.689	6.666	6.758	PV	817	26646	0.79%	0.049%
70	6.770	6.758	6.795	VV	432	8676	0.26%	0.016%
71	6.800	6.795	6.826	VV	465	7394	0.22%	0.013%
72	6.849	6.826	6.878	VV	1013	16751	0.49%	0.031%
73	6.928	6.878	6.987	VV	1408	36754	1.09%	0.067%
74	7.004	6.987	7.030	VV	535	9181	0.27%	0.017%
75	7.045	7.030	7.071	VV	379	7811	0.23%	0.014%
76	7.081	7.071	7.101	VV	315	4906	0.14%	0.009%
77	7.114	7.101	7.124	VV	282	3421	0.10%	0.006%
78	7.138	7.124	7.153	VV	312	4750	0.14%	0.009%
79	7.189	7.153	7.214	VV	364	10562	0.31%	0.019%

80	7.231	7.214	7.259	VV	320	8145	0.24%	0.015%
81	7.270	7.259	7.321	VV	377	10812	0.32%	0.020%
82	7.341	7.321	7.365	VV	613	13251	0.39%	0.024%
83	7.388	7.365	7.451	VV	694	28798	0.85%	0.052%
84	7.495	7.451	7.515	VV	1193	24883	0.73%	0.045%
85	7.527	7.515	7.558	VV	980	16222	0.48%	0.030%
86	7.569	7.558	7.615	VV	478	11415	0.34%	0.021%
87	7.634	7.615	7.651	VV	660	9271	0.27%	0.017%
88	7.672	7.651	7.688	VV	464	8055	0.24%	0.015%
89	7.699	7.688	7.716	VV	350	5415	0.16%	0.010%
90	7.730	7.716	7.765	VV	361	9080	0.27%	0.017%
91	7.771	7.765	7.785	VV	348	3723	0.11%	0.007%
92	7.799	7.785	7.845	VV	590	12182	0.36%	0.022%
93	7.860	7.845	7.908	VV	324	7664	0.23%	0.014%
94	7.943	7.908	7.957	VV	266	5866	0.17%	0.011%
95	7.984	7.957	8.001	VV	243	4831	0.14%	0.009%
96	8.030	8.001	8.047	VV	220	4204	0.12%	0.008%
97	8.057	8.047	8.067	VV	199	1655	0.05%	0.003%
98	8.092	8.067	8.140	VV	497	9200	0.27%	0.017%
99	8.155	8.140	8.202	VV	136	4492	0.13%	0.008%
100	8.260	8.202	8.351	VV	870	30921	0.91%	0.056%
101	8.411	8.351	8.450	VV	395	15624	0.46%	0.028%
102	8.462	8.450	8.477	VV	304	3920	0.12%	0.007%
103	8.511	8.477	8.542	VV	467	13000	0.38%	0.024%
104	8.581	8.542	8.600	VV	720	17717	0.52%	0.032%
105	8.617	8.600	8.635	VV	985	14147	0.42%	0.026%
106	8.685	8.635	8.760	VV	2339	65239	1.93%	0.119%
107	8.806	8.760	8.888	VV	10596	176385	5.21%	0.321%
108	8.896	8.888	8.968	VV	468	14843	0.44%	0.027%
109	8.974	8.968	8.988	VV	201	2128	0.06%	0.004%
110	9.056	8.988	9.079	VV	763	22670	0.67%	0.041%
111	9.105	9.079	9.131	VV	2439	34048	1.01%	0.062%
112	9.165	9.131	9.211	VV	1039	32430	0.96%	0.059%
113	9.225	9.211	9.260	VV	688	13623	0.40%	0.025%
114	9.277	9.260	9.291	VV	374	5655	0.17%	0.010%
115	9.347	9.291	9.361	VV	526	15253	0.45%	0.028%
116	9.381	9.361	9.398	VV	979	14514	0.43%	0.026%
117	9.422	9.398	9.488	VV	1683	42830	1.26%	0.078%
118	9.517	9.488	9.538	VV	1530	22408	0.66%	0.041%
119	9.558	9.538	9.598	VV	775	14763	0.44%	0.027%
120	9.614	9.598	9.642	VV	521	7377	0.22%	0.013%
121	9.674	9.642	9.691	PV	638	8642	0.26%	0.016%
122	9.706	9.691	9.725	VV	630	8100	0.24%	0.015%
123	9.761	9.725	9.781	VV	1054	15647	0.46%	0.028%
124	9.813	9.781	9.828	VV	521	9369	0.28%	0.017%
125	9.853	9.828	9.877	VV	1400	26045	0.77%	0.047%
126	9.899	9.877	9.954	VV	2790	53786	1.59%	0.098%

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127	9.976	9.954	10.001	VV	703	13039	0.38%	0.024%
128	10.044	10.001	10.069	VV	1469	28352	0.84%	0.052%
129	10.077	10.069	10.101	VV	511	7617	0.22%	0.014%
130	10.136	10.101	10.146	VV	584	12805	0.38%	0.023%
131	10.175	10.146	10.277	VV	45811	602802	17.80%	1.098%
132	10.301	10.277	10.333	VV	2169	43100	1.27%	0.078%
133	10.344	10.333	10.400	VV	1338	26959	0.80%	0.049%
134	10.410	10.400	10.438	VV	523	6795	0.20%	0.012%
135	10.466	10.438	10.511	VV	298	7867	0.23%	0.014%
136	10.521	10.511	10.543	VV	143	1267	0.04%	0.002%
137	10.614	10.543	10.623	PV	225	5223	0.15%	0.010%
138	10.650	10.623	10.675	VV	2026	26916	0.79%	0.049%
139	10.692	10.675	10.711	VV	558	8181	0.24%	0.015%
140	10.755	10.711	10.770	VV	1037	20518	0.61%	0.037%
141	10.786	10.770	10.809	VV	1230	17534	0.52%	0.032%
142	10.828	10.809	10.862	VV	940	14012	0.41%	0.026%
143	10.904	10.862	10.933	VV	1081	25022	0.74%	0.046%
144	10.960	10.933	10.987	VV	2803	51455	1.52%	0.094%
145	10.999	10.987	11.028	VV	1487	24410	0.72%	0.044%
146	11.043	11.028	11.058	VV	1689	21099	0.62%	0.038%
147	11.074	11.058	11.089	VV	1536	19727	0.58%	0.036%
148	11.111	11.089	11.165	VV	2321	47890	1.41%	0.087%
149	11.182	11.165	11.195	VV	521	8380	0.25%	0.015%
150	11.206	11.195	11.224	VV	805	9975	0.29%	0.018%
151	11.248	11.224	11.261	VV	428	8606	0.25%	0.016%
152	11.275	11.261	11.288	VV	655	8226	0.24%	0.015%
153	11.311	11.288	11.358	VV	36559	439462	12.97%	0.800%
154	11.388	11.358	11.511	VV	16101	262249	7.74%	0.478%
155	11.524	11.511	11.540	VV	235	2444	0.07%	0.004%
156	11.561	11.540	11.579	PV	720	8949	0.26%	0.016%
157	11.603	11.579	11.650	VV	3566	51548	1.52%	0.094%
158	11.679	11.650	11.697	VV	1103	14375	0.42%	0.026%
159	11.721	11.697	11.732	VV	1160	17073	0.50%	0.031%
160	11.750	11.732	11.786	VV	2271	37435	1.11%	0.068%
161	11.845	11.786	11.885	VV	2509	62383	1.84%	0.114%
162	11.912	11.885	11.933	PV	1319	16911	0.50%	0.031%
163	11.965	11.933	11.981	VV	752	16580	0.49%	0.030%
164	12.008	11.981	12.043	VV	1751	32023	0.95%	0.058%
165	12.078	12.043	12.105	VV	316743	3387052	100.00%	6.168%
166	12.118	12.105	12.133	VV	6849	76899	2.27%	0.140%
167	12.150	12.133	12.191	VV	8507	112177	3.31%	0.204%
168	12.235	12.191	12.253	VV	8308	142163	4.20%	0.259%
169	12.268	12.253	12.282	VV	5262	60867	1.80%	0.111%
170	12.299	12.282	12.331	VV	6903	84572	2.50%	0.154%
171	12.365	12.331	12.395	PV	844	19309	0.57%	0.035%
172	12.419	12.395	12.455	VV	1359	31938	0.94%	0.058%
173	12.479	12.455	12.499	VV	6735	86168	2.54%	0.157%
174	12.516	12.499	12.566	VV	4142	67700	2.00%	0.123%

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175	12.590	12.566	12.630	VV	4942	69899	2.06%	0.127%
176	12.671	12.630	12.748	VV	55478	672915	19.87%	1.225%
177	12.762	12.748	12.781	VV	2357	32606	0.96%	0.059%
178	12.792	12.781	12.809	VV	1323	18261	0.54%	0.033%
179	12.843	12.809	12.858	VV	1367	31038	0.92%	0.057%
180	12.864	12.858	12.895	VV	1347	19881	0.59%	0.036%
181	12.912	12.895	12.948	VV	2585	47780	1.41%	0.087%
182	12.975	12.948	13.001	VV	6620	96449	2.85%	0.176%
183	13.022	13.001	13.040	VV	6296	85919	2.54%	0.156%
184	13.062	13.040	13.108	VV	4932	111797	3.30%	0.204%
185	13.140	13.108	13.190	VV	128080	1470504	43.42%	2.678%
186	13.202	13.190	13.220	VV	1066	12105	0.36%	0.022%
187	13.240	13.220	13.251	PV	700	8415	0.25%	0.015%
188	13.279	13.251	13.310	VV	6077	108093	3.19%	0.197%
189	13.329	13.310	13.338	VV	4031	52171	1.54%	0.095%
190	13.347	13.338	13.371	VV	3913	54681	1.61%	0.100%
191	13.380	13.371	13.410	VV	1976	30726	0.91%	0.056%
192	13.441	13.410	13.475	VV	108805	1206994	35.64%	2.198%
193	13.515	13.475	13.571	VV	255088	3108617	91.78%	5.661%
194	13.585	13.571	13.594	VV	930	11800	0.35%	0.021%
195	13.615	13.594	13.630	VV	4000	50476	1.49%	0.092%
196	13.643	13.630	13.663	VV	3100	38820	1.15%	0.071%
197	13.681	13.663	13.690	VV	2029	20680	0.61%	0.038%
198	13.709	13.690	13.732	VV	6330	82853	2.45%	0.151%
199	13.744	13.732	13.758	VV	1624	19880	0.59%	0.036%
200	13.779	13.758	13.811	VV	1767	33236	0.98%	0.061%
201	13.839	13.811	13.876	VV	3751	63485	1.87%	0.116%
202	13.904	13.876	13.975	VV	12511	188008	5.55%	0.342%
203	14.032	13.975	14.073	VV	16519	288933	8.53%	0.526%
204	14.097	14.073	14.115	VV	2405	33429	0.99%	0.061%
205	14.140	14.115	14.161	VV	8210	112900	3.33%	0.206%
206	14.181	14.161	14.202	VV	9545	124024	3.66%	0.226%
207	14.219	14.202	14.241	VV	3949	54694	1.61%	0.100%
208	14.269	14.241	14.287	VV	5659	95107	2.81%	0.173%
209	14.312	14.287	14.333	VV	8163	134029	3.96%	0.244%
210	14.352	14.333	14.395	VV	7343	104467	3.08%	0.190%
211	14.426	14.395	14.446	VV	2579	42578	1.26%	0.078%
212	14.464	14.446	14.474	VV	1482	18778	0.55%	0.034%
213	14.488	14.474	14.524	VV	1627	36968	1.09%	0.067%
214	14.537	14.524	14.552	VV	1011	13400	0.40%	0.024%
215	14.564	14.552	14.581	VV	831	9588	0.28%	0.017%
216	14.593	14.581	14.604	VV	359	3165	0.09%	0.006%
217	14.622	14.604	14.650	PV	689	10469	0.31%	0.019%
218	14.677	14.650	14.688	VV	1196	15579	0.46%	0.028%
219	14.742	14.688	14.754	VV	6540	126654	3.74%	0.231%
220	14.772	14.754	14.805	VV	14757	200290	5.91%	0.365%
221	14.835	14.805	14.854	VV	3760	62855	1.86%	0.114%

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222	14.871	14.854	14.914	VV	3106	63086	1.86%	0.115%
223	14.949	14.914	14.991	VV	10120	229198	6.77%	0.417%
224	15.014	14.991	15.039	VV	18550	266593	7.87%	0.485%
225	15.075	15.039	15.114	VV	15936	277088	8.18%	0.505%
226	15.137	15.114	15.155	VV	1877	32698	0.97%	0.060%
227	15.198	15.155	15.248	VV	4468	110874	3.27%	0.202%
228	15.281	15.248	15.299	VV	7084	92915	2.74%	0.169%
229	15.327	15.299	15.348	VV	79405	961145	28.38%	1.750%
230	15.369	15.348	15.400	VV	79557	1005448	29.69%	1.831%
231	15.418	15.400	15.442	VV	4506	70841	2.09%	0.129%
232	15.489	15.442	15.540	VV	17467	338575	10.00%	0.617%
233	15.567	15.540	15.603	VV	4521	88318	2.61%	0.161%
234	15.629	15.603	15.655	PV	6934	114394	3.38%	0.208%
235	15.672	15.655	15.725	VV	6125	140981	4.16%	0.257%
236	15.768	15.725	15.840	VV	22283	559607	16.52%	1.019%
237	15.915	15.840	15.938	VV	8825	226850	6.70%	0.413%
238	16.001	15.938	16.022	VV	16650	415042	12.25%	0.756%
239	16.039	16.022	16.072	VV	9154	144709	4.27%	0.264%
240	16.088	16.072	16.105	VV	3792	55697	1.64%	0.101%
241	16.163	16.105	16.199	VV	9667	294047	8.68%	0.535%
242	16.241	16.199	16.258	VV	5307	94917	2.80%	0.173%
243	16.278	16.258	16.301	VV	2253	50512	1.49%	0.092%
244	16.324	16.301	16.343	VV	4310	67430	1.99%	0.123%
245	16.362	16.343	16.380	VV	4221	63446	1.87%	0.116%
246	16.400	16.380	16.416	VV	6390	93509	2.76%	0.170%
247	16.431	16.416	16.451	VV	5382	76344	2.25%	0.139%
248	16.465	16.451	16.484	VV	2178	31567	0.93%	0.057%
249	16.497	16.484	16.515	VV	1030	15321	0.45%	0.028%
250	16.527	16.515	16.546	VV	1115	14067	0.42%	0.026%
251	16.622	16.546	16.656	VV	5662	140998	4.16%	0.257%
252	16.678	16.656	16.714	VV	5302	104945	3.10%	0.191%
253	16.733	16.714	16.765	VV	2857	79108	2.34%	0.144%
254	16.798	16.765	16.809	VV	8046	147800	4.36%	0.269%
255	16.823	16.809	16.849	VV	8958	150048	4.43%	0.273%
256	16.894	16.849	16.912	VV	100523	1513742	44.69%	2.756%
257	16.921	16.912	16.956	VV	47700	571664	16.88%	1.041%
258	16.969	16.956	16.996	VV	4275	80741	2.38%	0.147%
259	17.024	16.996	17.047	VV	21562	301417	8.90%	0.549%
260	17.060	17.047	17.100	VV	5684	118563	3.50%	0.216%
261	17.114	17.100	17.126	VV	2906	41014	1.21%	0.075%
262	17.145	17.126	17.160	VV	5146	75212	2.22%	0.137%
263	17.216	17.160	17.245	VV	63394	1047259	30.92%	1.907%
264	17.274	17.245	17.321	VV	83202	1165214	34.40%	2.122%
265	17.376	17.321	17.408	VV	23985	544432	16.07%	0.991%
266	17.427	17.408	17.458	VV	8770	173485	5.12%	0.316%
267	17.482	17.458	17.491	VV	5576	91164	2.69%	0.166%
268	17.513	17.491	17.558	VV	7628	242132	7.15%	0.441%
269	17.577	17.558	17.594	VV	5337	97092	2.87%	0.177%

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270	17.640	17.594	17.712	VV	11779	486708	14.37%	0.886%
271	17.742	17.712	17.757	VV	7949	158322	4.67%	0.288%
272	17.801	17.757	17.840	VV	17398	463413	13.68%	0.844%
273	17.863	17.840	17.877	VV	7217	123743	3.65%	0.225%
274	17.890	17.877	17.910	VV	6918	112308	3.32%	0.205%
275	17.937	17.910	17.968	VV	10639	233779	6.90%	0.426%
276	17.977	17.968	18.018	VV	5386	127807	3.77%	0.233%
277	18.054	18.018	18.065	VV	4932	125349	3.70%	0.228%
278	18.078	18.065	18.096	VV	4762	77864	2.30%	0.142%
279	18.112	18.096	18.132	VV	3472	72486	2.14%	0.132%
280	18.150	18.132	18.166	VV	3884	71857	2.12%	0.131%
281	18.200	18.166	18.213	VV	7163	152771	4.51%	0.278%
282	18.240	18.213	18.293	VV	17198	435538	12.86%	0.793%
283	18.333	18.293	18.355	VV	10638	252733	7.46%	0.460%
284	18.373	18.355	18.391	VV	9211	159368	4.71%	0.290%
285	18.415	18.391	18.467	VV	10894	395783	11.69%	0.721%
286	18.495	18.467	18.526	VV	8610	250115	7.38%	0.455%
287	18.559	18.526	18.598	VV	19115	497133	14.68%	0.905%
288	18.651	18.598	18.675	VV	73842	1494340	44.12%	2.721%
289	18.686	18.675	18.719	VV	34170	592980	17.51%	1.080%
290	18.732	18.719	18.755	VV	11276	207597	6.13%	0.378%
291	18.780	18.755	18.797	VV	17307	309302	9.13%	0.563%
292	18.813	18.797	18.872	VV	14400	446405	13.18%	0.813%
293	18.906	18.872	18.961	VV	69295	1212807	35.81%	2.208%
294	18.988	18.961	19.007	VV	8963	214519	6.33%	0.391%
295	19.039	19.007	19.054	VV	13815	285600	8.43%	0.520%
296	19.074	19.054	19.112	VV	18402	380590	11.24%	0.693%
297	19.138	19.112	19.151	VV	6593	132416	3.91%	0.241%
298	19.175	19.151	19.200	VV	8312	208207	6.15%	0.379%
299	19.220	19.200	19.231	VV	6956	122494	3.62%	0.223%
300	19.246	19.231	19.271	VV	7575	155297	4.59%	0.283%
301	19.292	19.271	19.311	VV	5798	131483	3.88%	0.239%
302	19.339	19.311	19.363	VV	7397	197300	5.83%	0.359%
303	19.378	19.363	19.397	VV	6255	119396	3.53%	0.217%
304	19.473	19.397	19.540	VV	18733	802106	23.68%	1.461%
305	19.555	19.540	19.561	VV	6456	77842	2.30%	0.142%
306	19.582	19.561	19.606	VV	7757	196777	5.81%	0.358%
307	19.625	19.606	19.648	VV	8138	176078	5.20%	0.321%
308	19.680	19.648	19.711	VV	6824	235992	6.97%	0.430%
309	19.723	19.711	19.739	VV	5980	96636	2.85%	0.176%
310	19.779	19.739	19.814	VV	7169	270779	7.99%	0.493%
311	19.860	19.814	19.879	VV	15231	355732	10.50%	0.648%
312	19.891	19.879	19.921	VV	10535	225940	6.67%	0.411%
313	19.936	19.921	19.955	VV	9733	174862	5.16%	0.318%
314	19.970	19.955	19.981	VV	8119	116434	3.44%	0.212%
315	19.999	19.981	20.031	VV	8431	229193	6.77%	0.417%
316	20.068	20.031	20.101	VV	13880	429397	12.68%	0.782%

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317	20.139	20.101	20.198	VV	14158	620673	18.32%	1.130%
318	20.234	20.198	20.329	VV	18501	845426	24.96%	1.539%
319	20.354	20.329	20.383	VV	9143	278268	8.22%	0.507%
320	20.450	20.383	20.482	VV	13856	658338	19.44%	1.199%
321	20.492	20.482	20.570	VV	13123	630833	18.62%	1.149%
322	20.601	20.570	20.647	VV	17695	605391	17.87%	1.102%
323	20.691	20.647	20.711	VV	11970	432145	12.76%	0.787%
324	20.720	20.711	20.739	VV	11802	195549	5.77%	0.356%
325	20.774	20.739	20.815	VV	19057	617395	18.23%	1.124%
326	20.842	20.815	20.870	VV	11438	368453	10.88%	0.671%
327	20.880	20.870	20.910	VV	10748	244469	7.22%	0.445%
328	20.926	20.910	20.934	VV	10427	147611	4.36%	0.269%
329	20.971	20.934	21.015	VV	13205	552924	16.32%	1.007%
330	21.087	21.015	21.203	VV	14173	1277422	37.71%	2.326%
331	21.228	21.203	21.264	VV	9876	350807	10.36%	0.639%
332	21.276	21.264	21.331	VV	9792	369298	10.90%	0.672%
333	21.339	21.331	21.345	VV	8844	69810	2.06%	0.127%
334	21.378	21.345	21.421	VV	12023	450030	13.29%	0.819%
335	21.432	21.421	21.454	VV	8095	152747	4.51%	0.278%
336	21.508	21.454	21.527	VV	12458	335458	9.90%	0.611%
337	21.556	21.527	21.581	VV	7504	227177	6.71%	0.414%
338	21.612	21.581	21.638	VV	7054	235637	6.96%	0.429%
339	21.647	21.638	21.772	VV	6703	470527	13.89%	0.857%
340	21.837	21.772	21.889	VV	6827	382831	11.30%	0.697%
341	21.906	21.889	21.934	VV	4402	116634	3.44%	0.212%
342	21.945	21.934	21.971	VV	4298	88277	2.61%	0.161%
343	21.980	21.971	22.013	VV	4026	91750	2.71%	0.167%
344	22.029	22.013	22.071	VV	3776	117123	3.46%	0.213%
345	22.079	22.071	22.088	VV	3137	30437	0.90%	0.055%
346	22.102	22.088	22.148	VV	3052	102246	3.02%	0.186%
347	22.157	22.148	22.208	VV	2533	81276	2.40%	0.148%
348	22.218	22.208	22.225	VV	2141	19118	0.56%	0.035%
349	22.251	22.225	22.323	VV	1915	95662	2.82%	0.174%
350	22.364	22.323	22.429	VV	3929	134075	3.96%	0.244%
351	22.437	22.429	22.455	VV	694	8050	0.24%	0.015%
352	22.460	22.455	22.480	VV	415	3192	0.09%	0.006%
			Sum of corrected areas:			54916619		

Aliphatic EPH 080125.M Thu Aug 28 01:41:22 2025

CALIBRATION SUMMARY

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

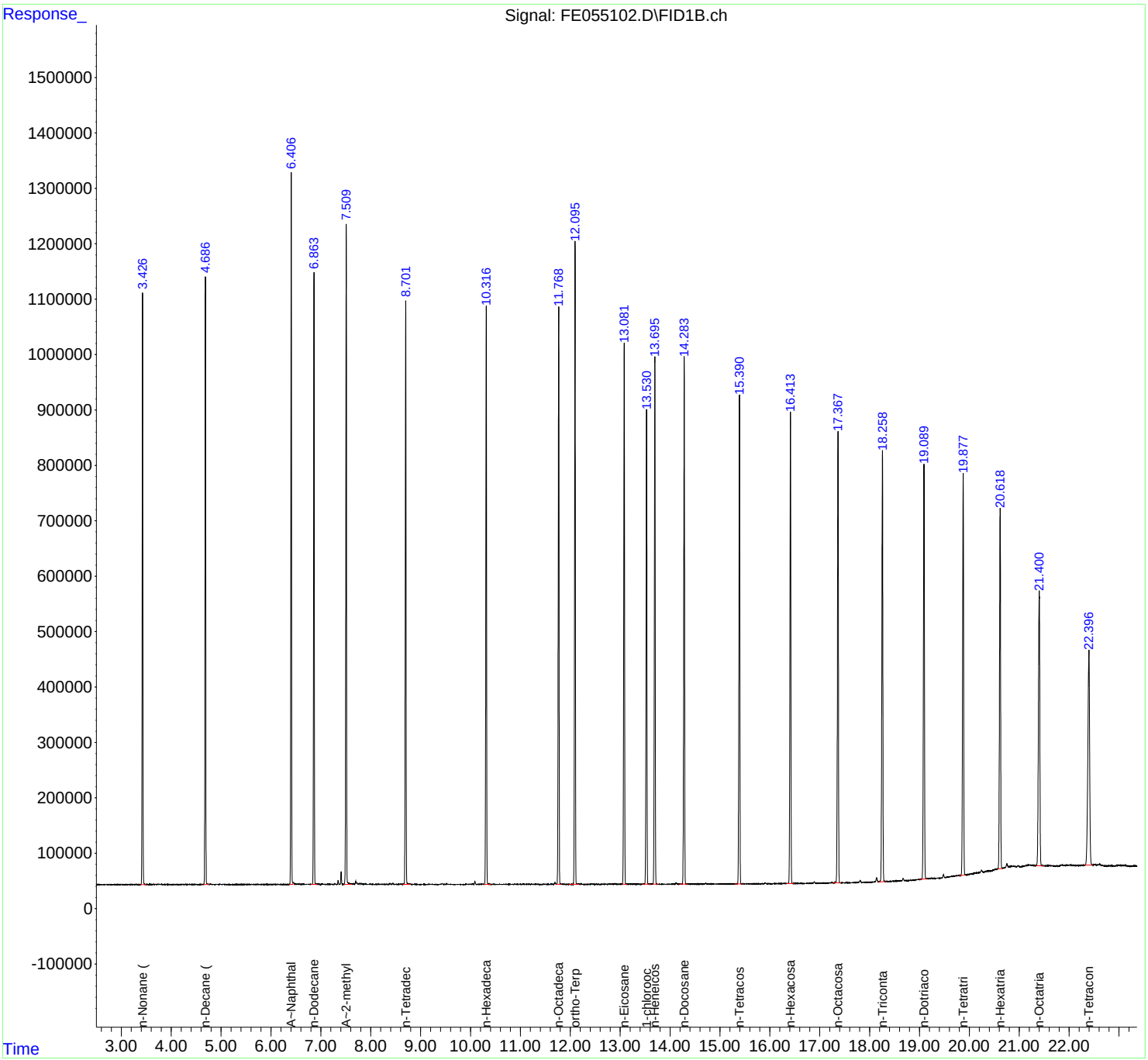
(f)=RT Delta > 1/2 Window (m)=manual int.

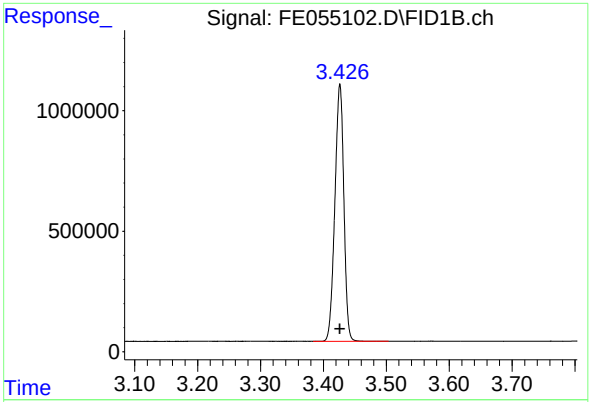
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055102.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:24
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

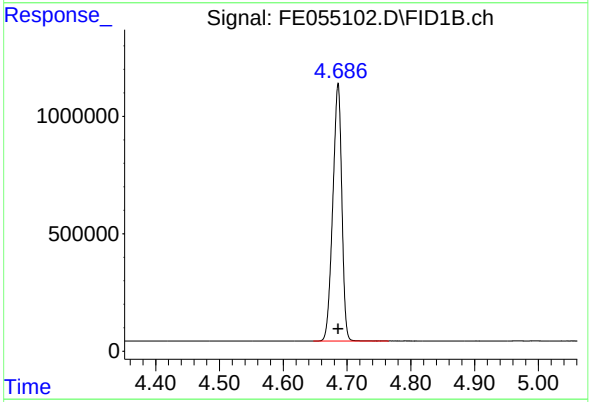




#1 n-Nonane (C9)

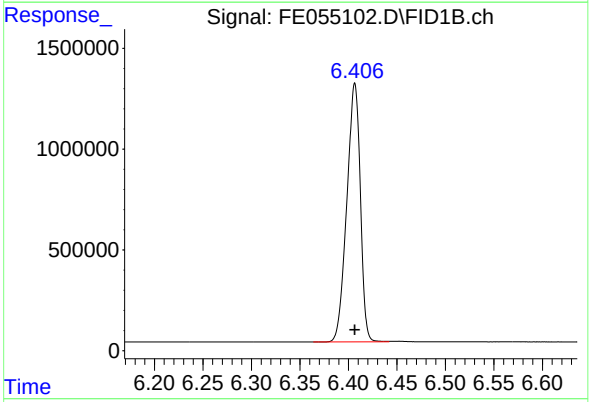
R.T.: 3.426 min
Delta R.T.: 0.000 min
Response: 10566449
Conc: 95.91 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



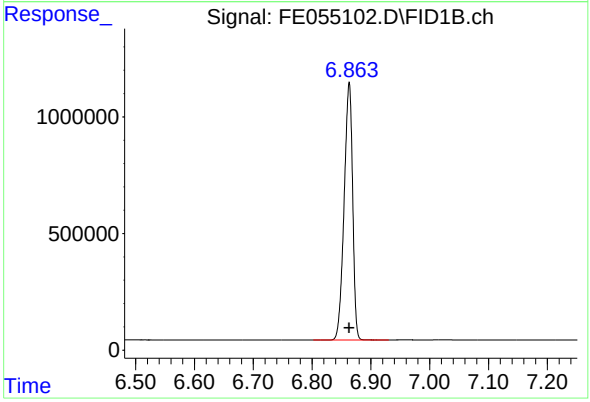
#2 n-Decane (C10)

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



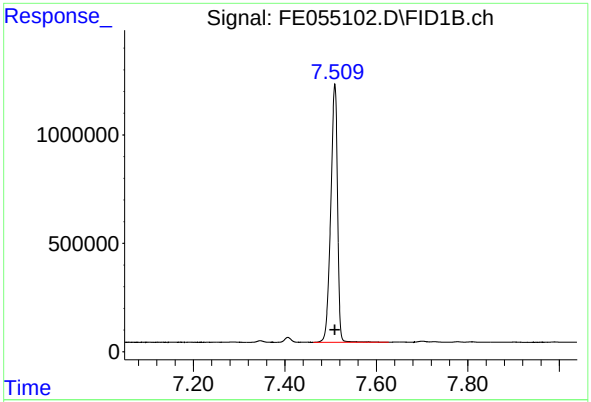
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

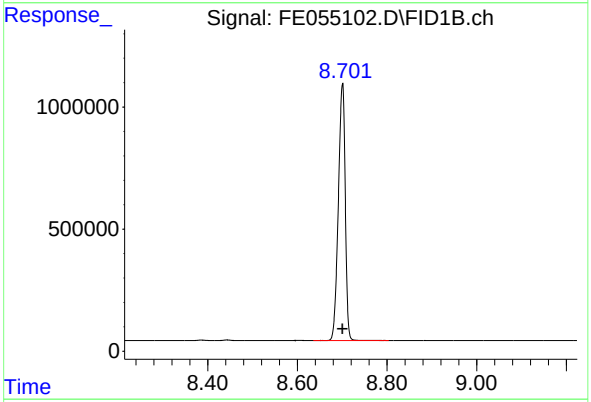
R.T.: 6.863 min
Delta R.T.: 0.000 min
Response: 11056736
Conc: 96.33 ug/ml



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

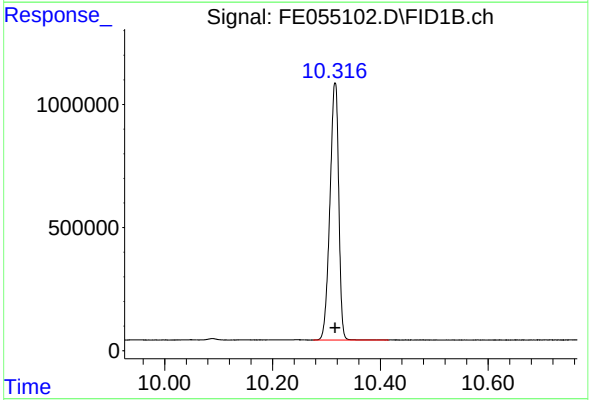
R.T.: 7.509 min
Delta R.T.: 0.000 min
Response: 12240152
Conc: 96.72 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



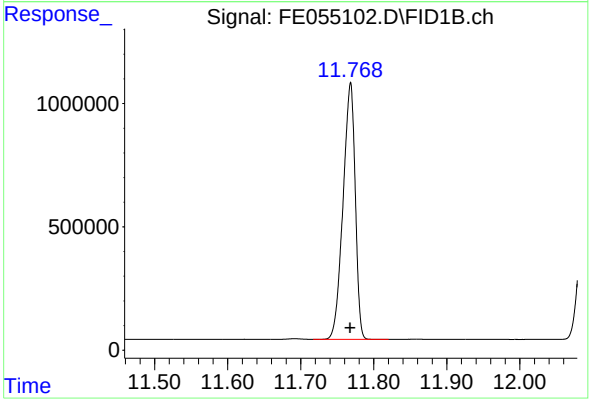
#6 n-Tetradecane (C14)

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



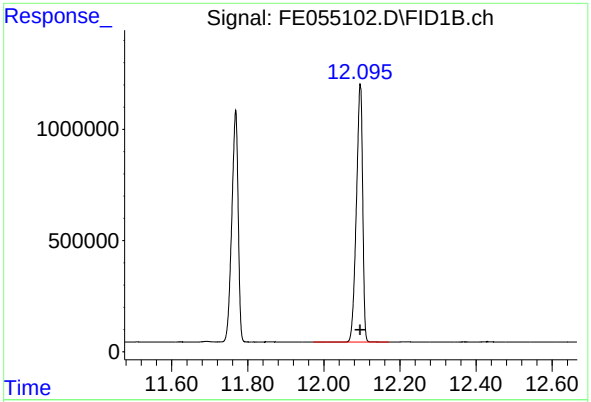
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

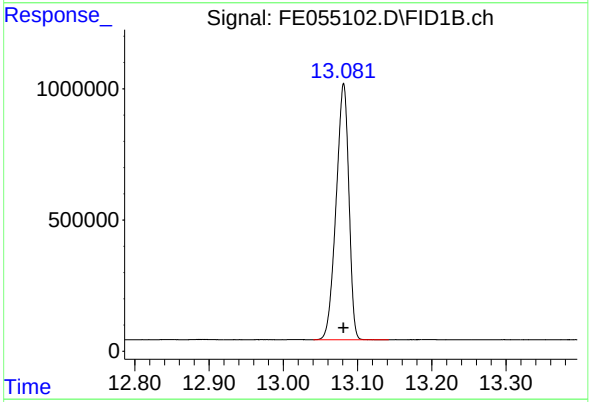
R.T.: 11.768 min
Delta R.T.: 0.000 min
Response: 12080672
Conc: 96.28 ug/ml



#9 ortho-Terphenyl (SURR)

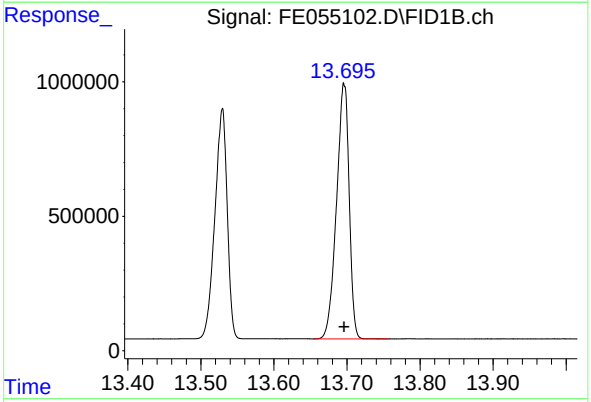
R.T.: 12.095 min
Delta R.T.: 0.000 min
Response: 13258959
Conc: 96.44 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



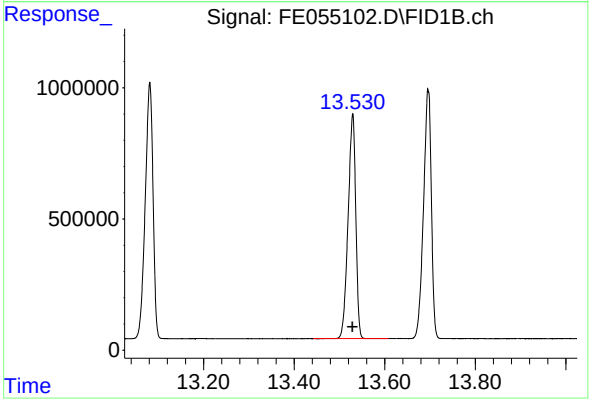
#10 n-Eicosane (C20)

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



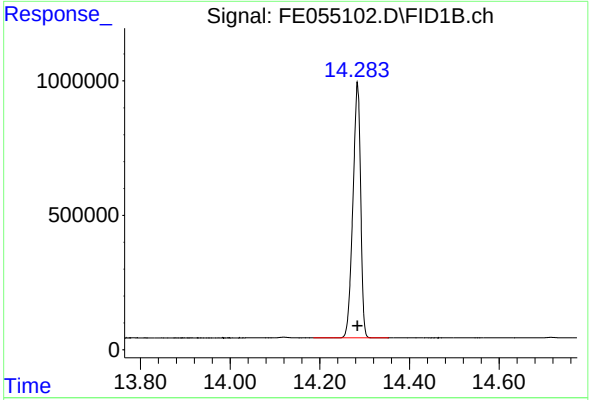
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

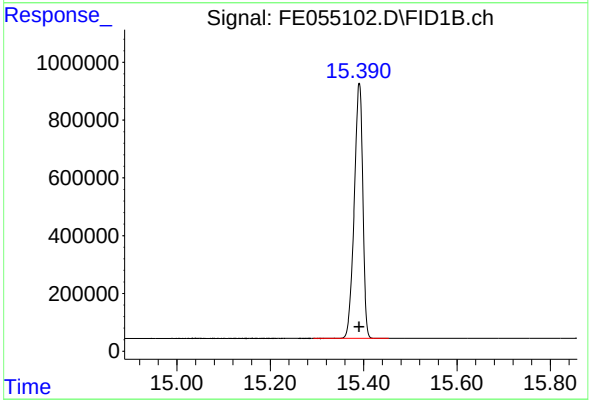
R.T.: 13.529 min
Delta R.T.: 0.000 min
Response: 10060078
Conc: 96.78 ug/ml



#13 n-Docosane (C22)

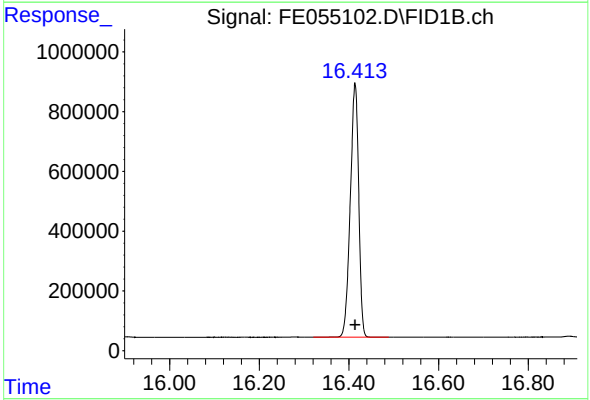
R.T.: 14.284 min
Delta R.T.: 0.000 min
Response: 11344173
Conc: 96.44 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



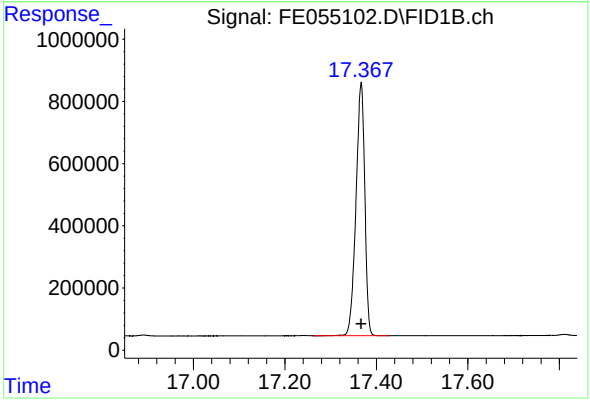
#14 n-Tetracosane (C24)

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



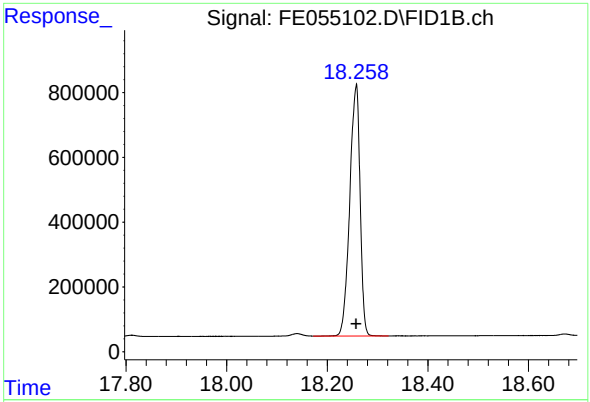
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

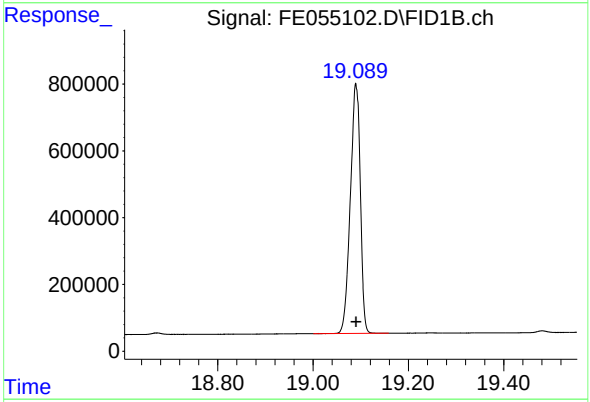
R.T.: 17.367 min
Delta R.T.: 0.000 min
Response: 10883206
Conc: 96.07 ug/ml



#17 n-Tricontane (C30)

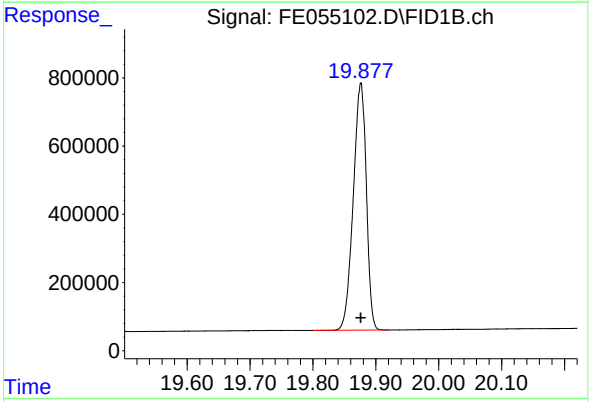
R.T.: 18.257 min
Delta R.T.: 0.000 min
Response: 11064265
Conc: 95.65 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



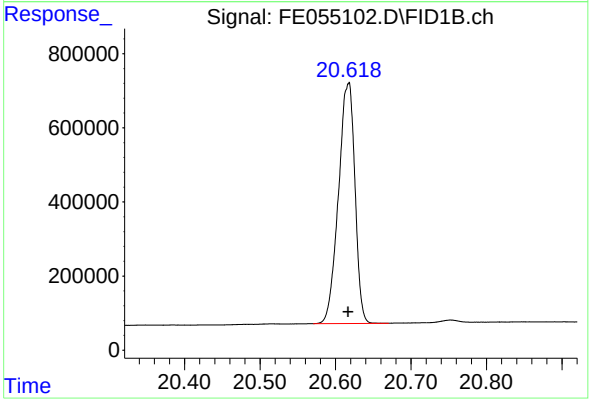
#18 n-Dotriacontane (C32)

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



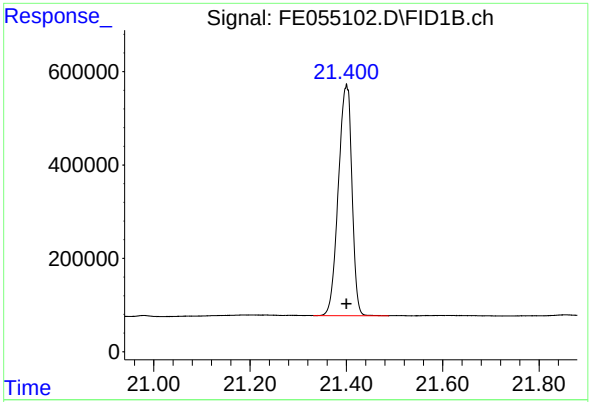
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

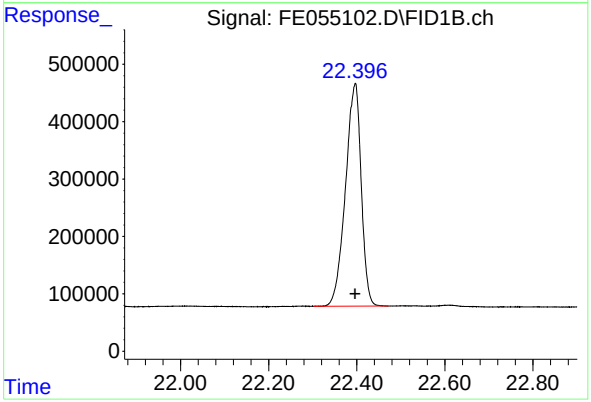
R.T.: 20.616 min
Delta R.T.: 0.000 min
Response: 9856874
Conc: 96.59 ug/ml



#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

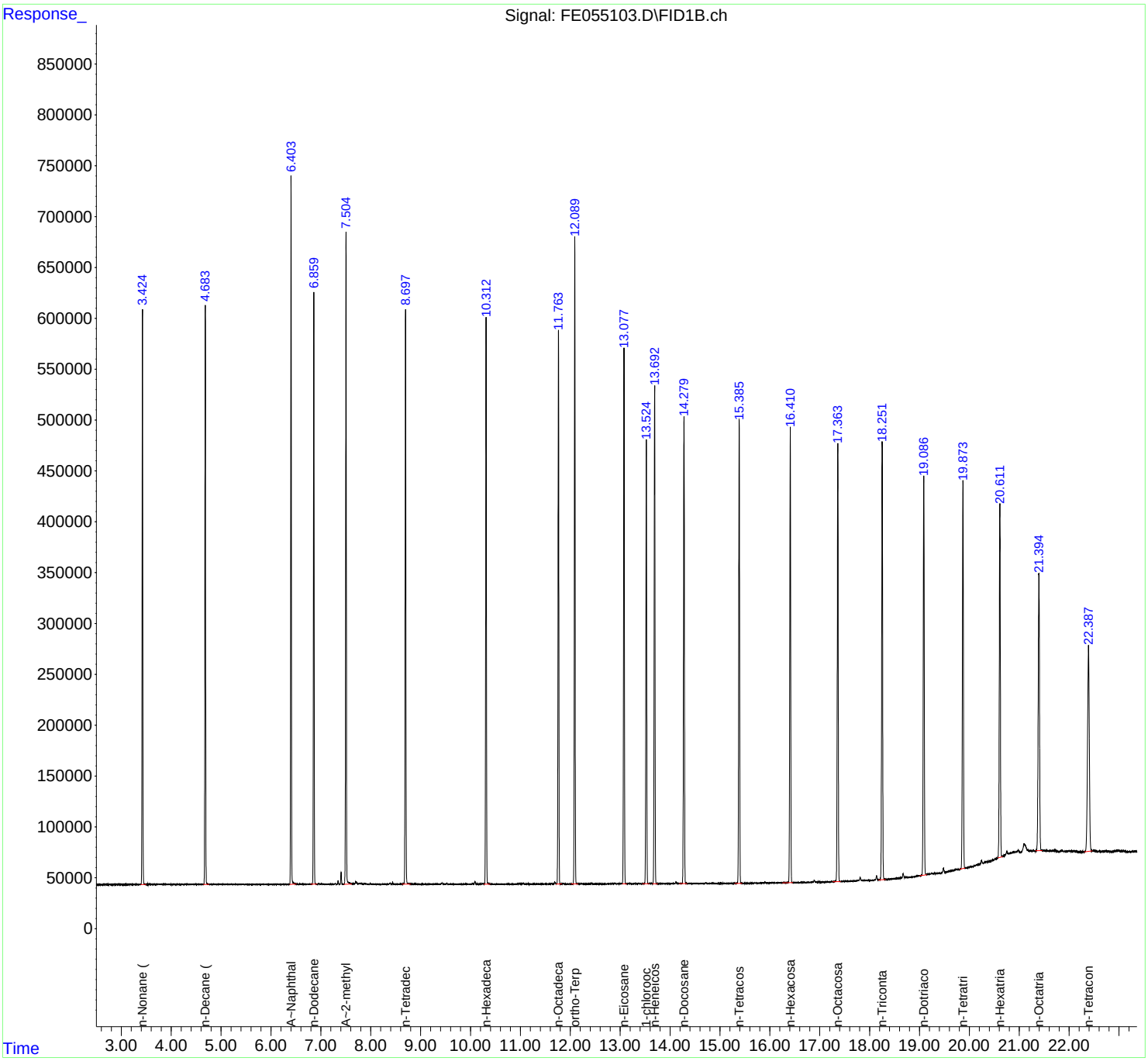
(f)=RT Delta > 1/2 Window (m)=manual int.

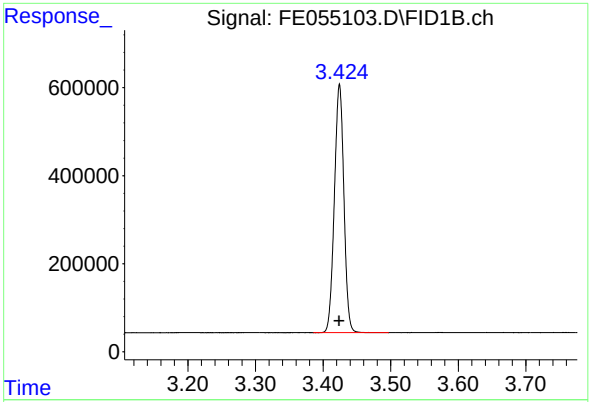
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055103.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:54
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

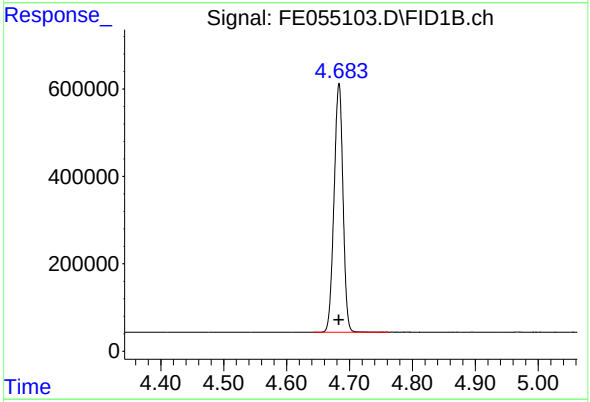




#1 n-Nonane (C9)

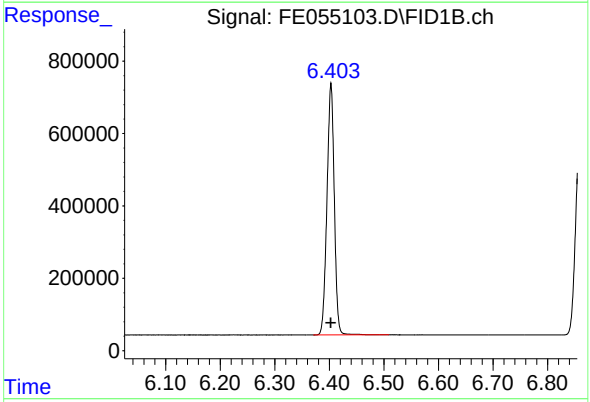
R.T.: 3.424 min
Delta R.T.: 0.000 min
Response: 5514791
Conc: 50.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



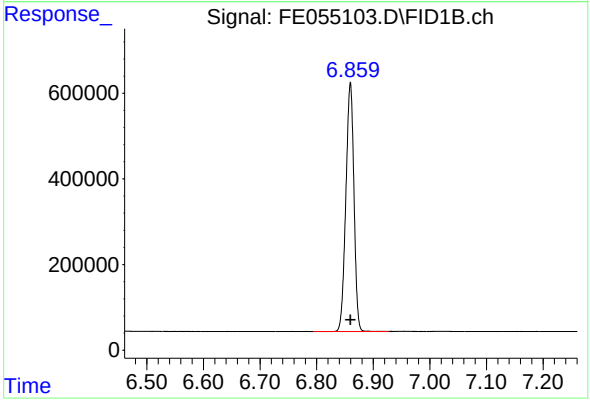
#2 n-Decane (C10)

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



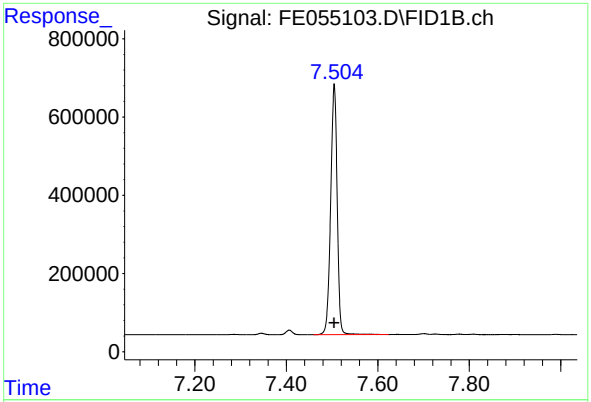
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

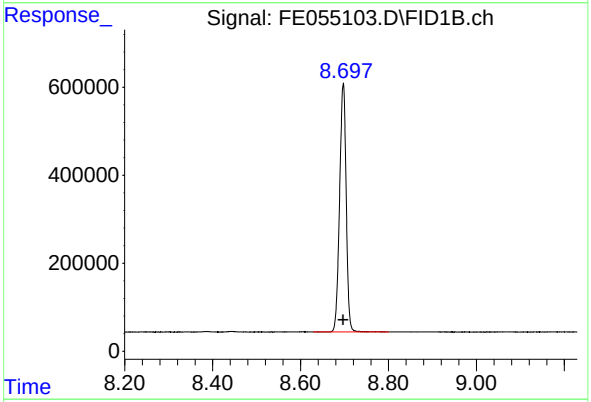
R.T.: 6.859 min
Delta R.T.: 0.000 min
Response: 5753858
Conc: 50.09 ug/ml



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

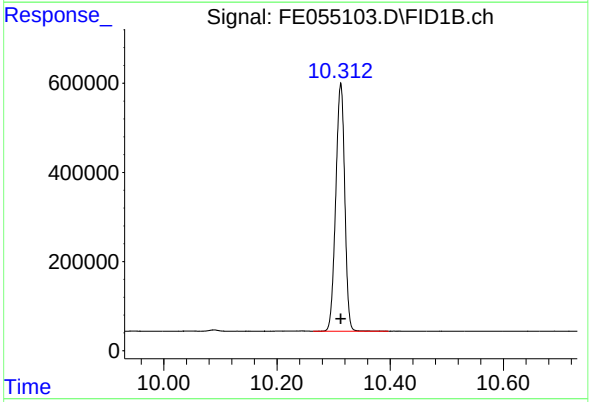
R.T.: 7.505 min
Delta R.T.: 0.000 min
Response: 6326213
Conc: 49.99 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



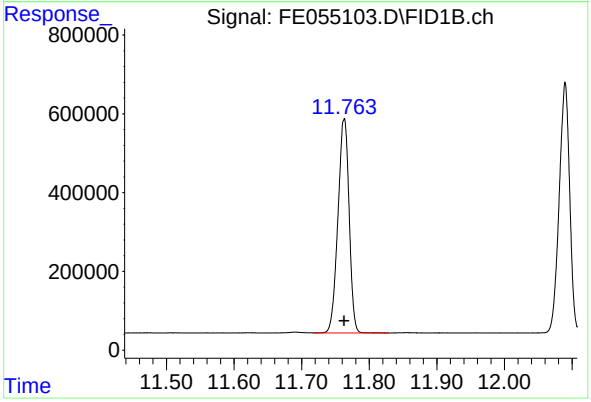
#6 n-Tetradecane (C14)

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



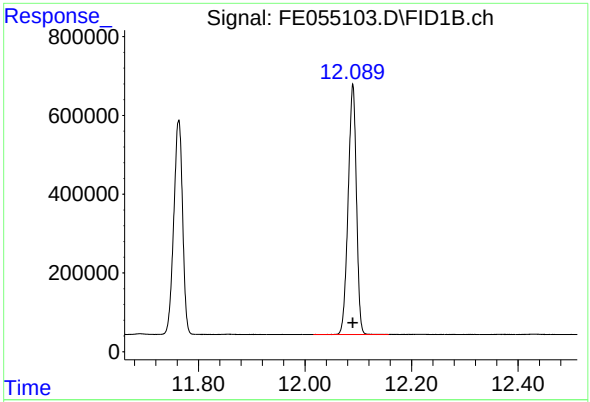
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

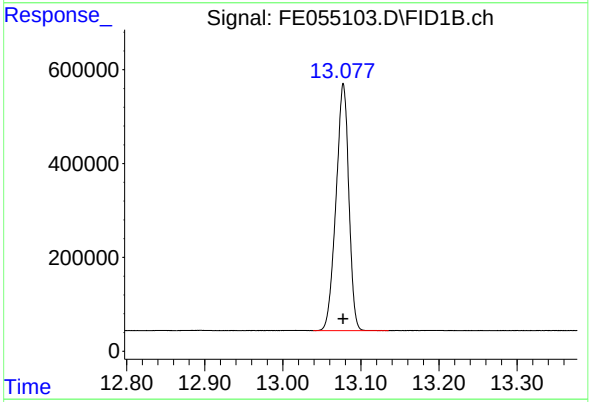
R.T.: 11.763 min
Delta R.T.: 0.000 min
Response: 6239947
Conc: 49.82 ug/ml



#9 ortho-Terphenyl (SURR)

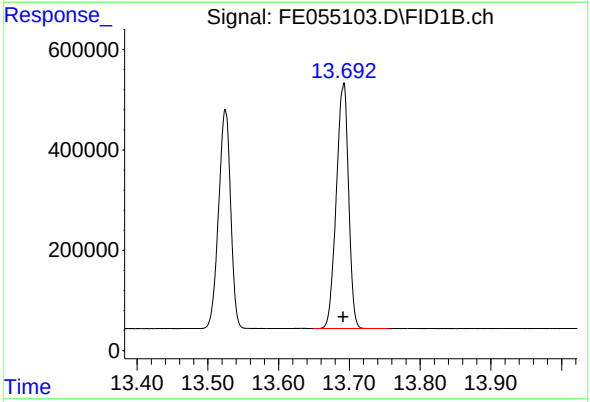
R.T.: 12.090 min
Delta R.T.: 0.000 min
Response: 6842277
Conc: 49.84 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



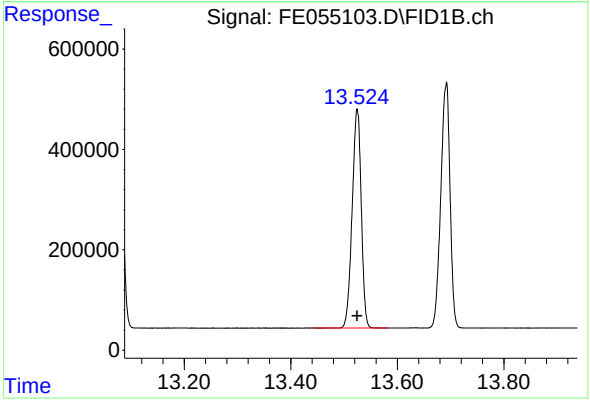
#10 n-Eicosane (C20)

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



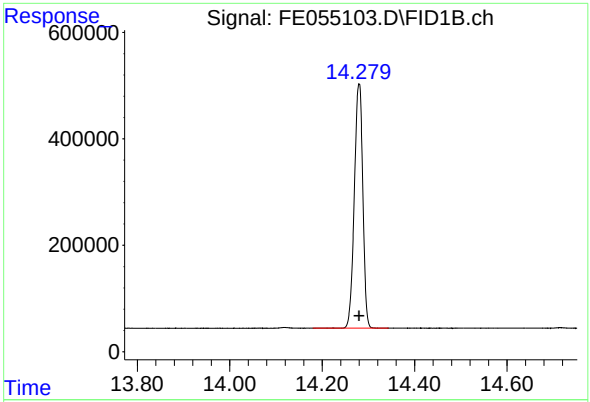
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

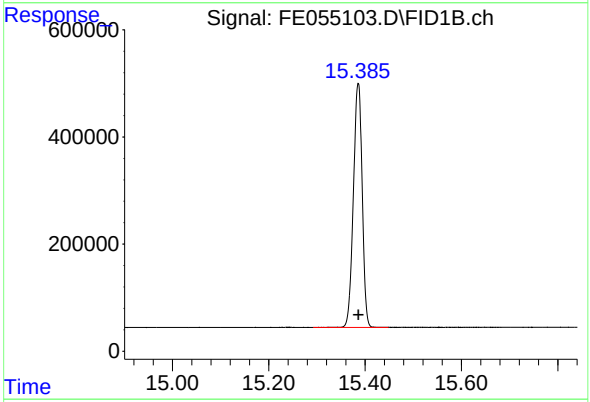
R.T.: 13.525 min
Delta R.T.: 0.000 min
Response: 5171408
Conc: 49.83 ug/ml



#13 n-Docosane (C22)

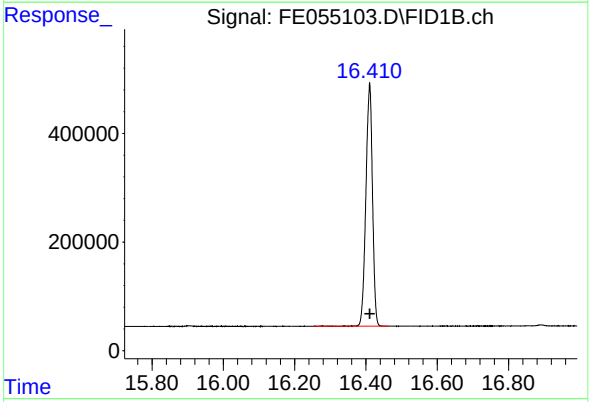
R.T.: 14.280 min
Delta R.T.: 0.000 min
Response: 5850962
Conc: 49.83 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



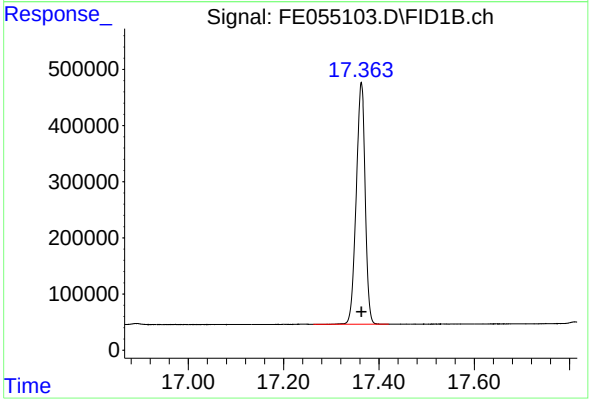
#14 n-Tetracosane (C24)

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



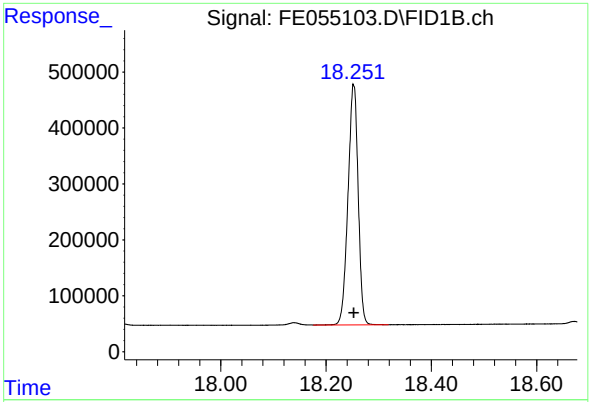
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

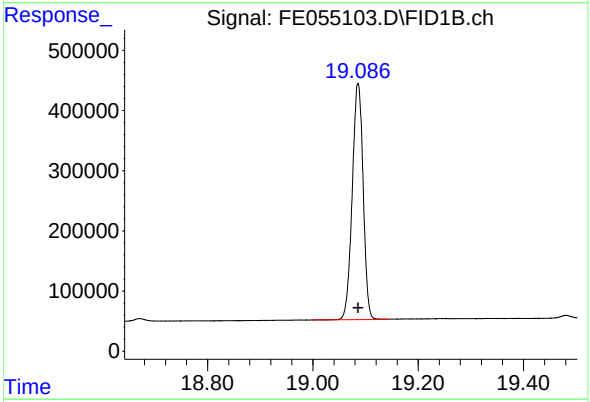
R.T.: 17.363 min
Delta R.T.: 0.000 min
Response: 5634944
Conc: 49.83 ug/ml



#17 n-Tricontane (C30)

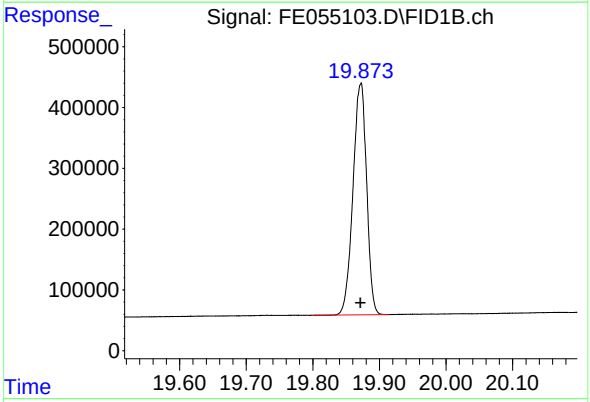
R.T.: 18.252 min
Delta R.T.: 0.000 min
Response: 5744409
Conc: 49.77 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



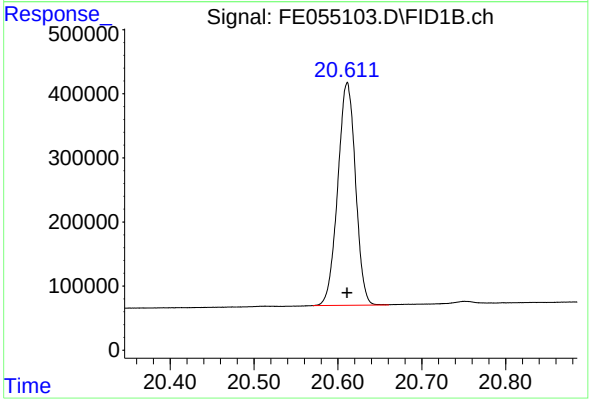
#18 n-Dotriacontane (C32)

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



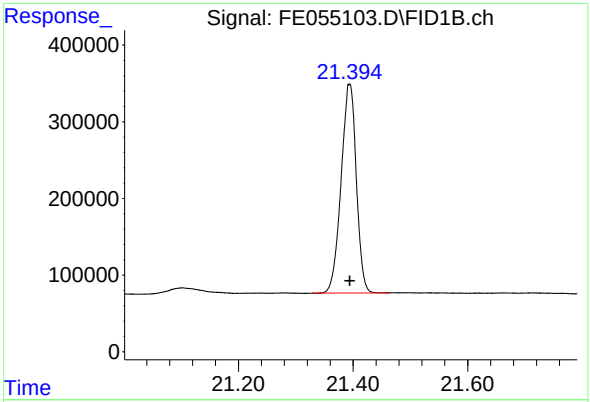
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

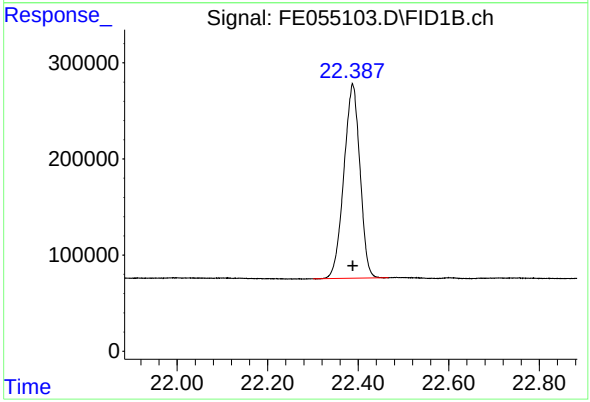
R.T.: 20.611 min
Delta R.T.: 0.000 min
Response: 5110739
Conc: 50.05 ug/ml



#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

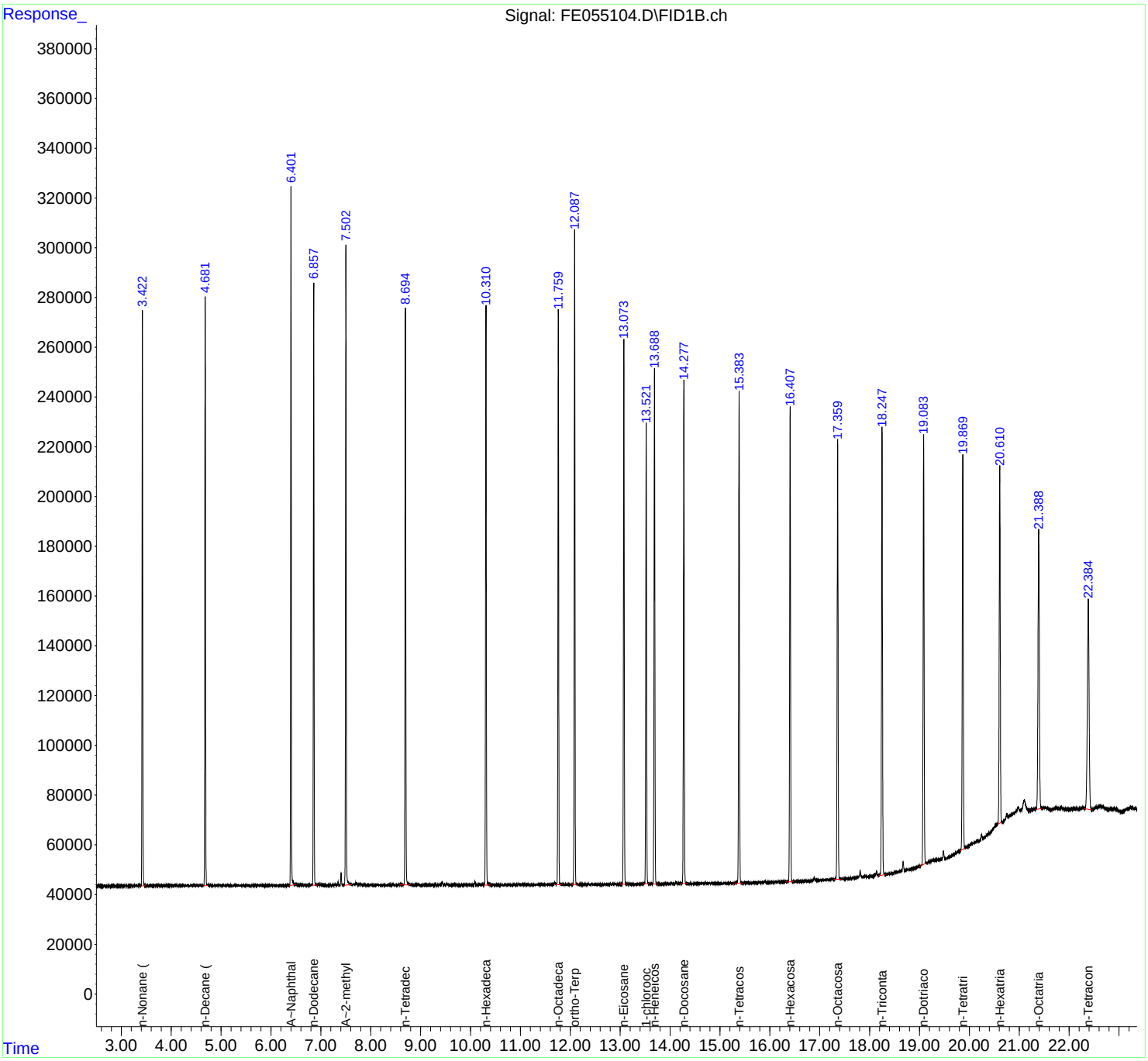
(f)=RT Delta > 1/2 Window (m)=manual int.

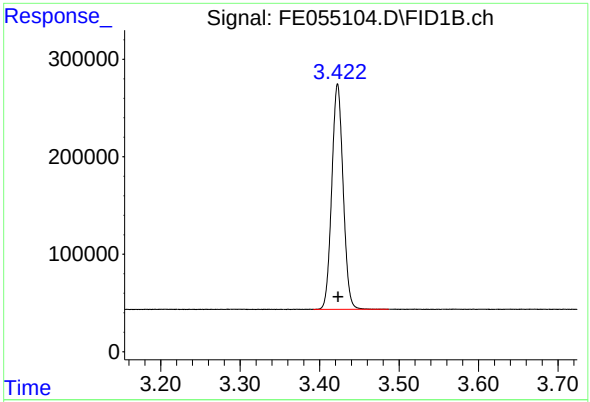
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055104.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:25
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

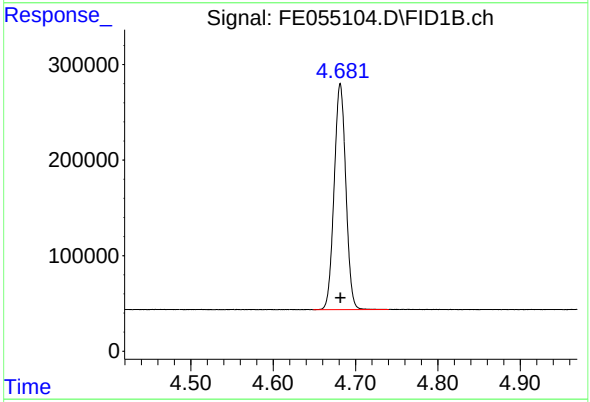




#1 n-Nonane (C9)

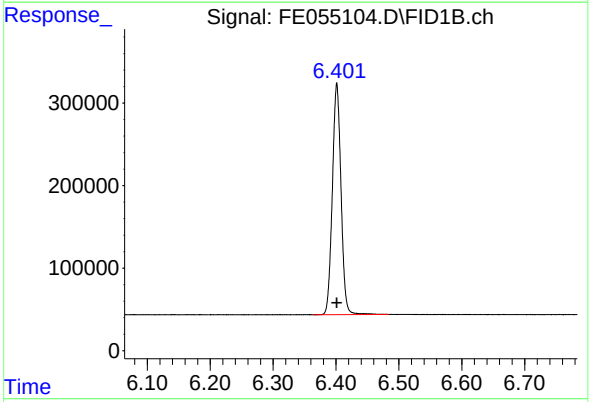
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 2293663
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



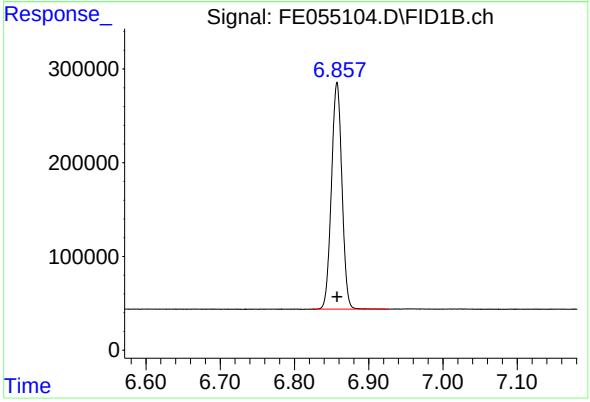
#2 n-Decane (C10)

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



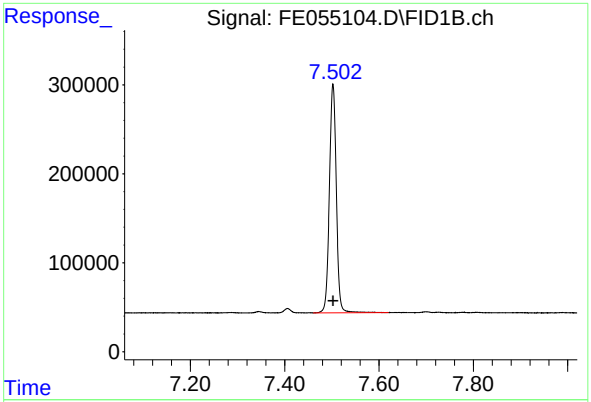
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

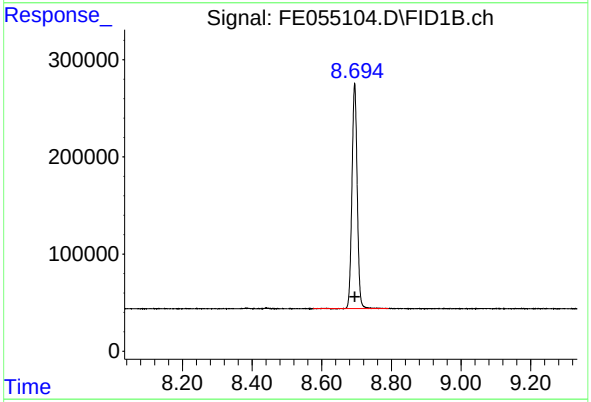
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 2379703
Conc: 20.00 ug/ml



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

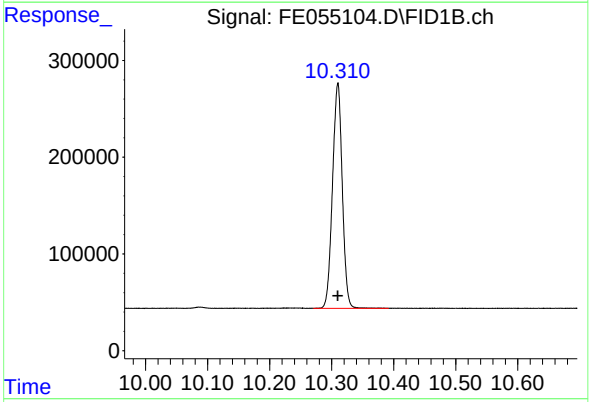
R.T.: 7.502 min
Delta R.T.: 0.000 min
Response: 2614202
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



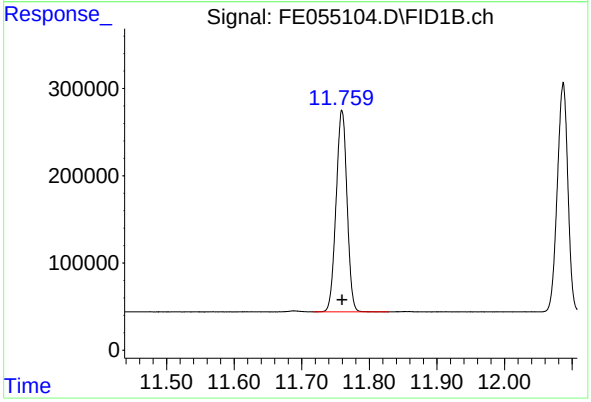
#6 n-Tetradecane (C14)

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



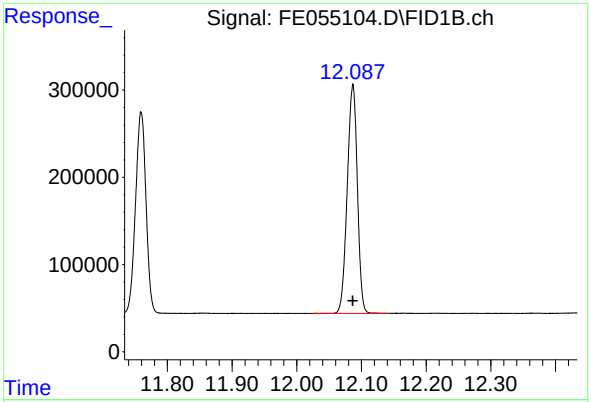
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

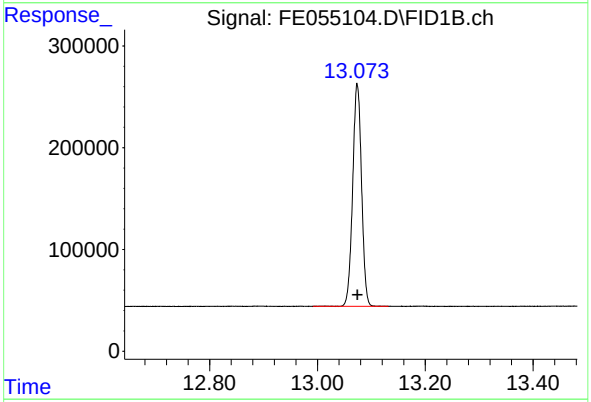
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 2603047
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

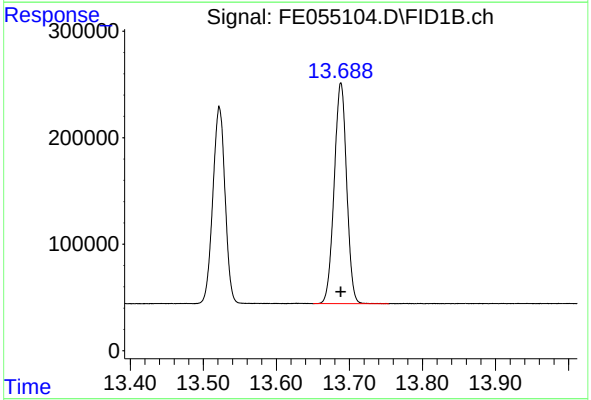
R.T.: 12.087 min
Delta R.T.: 0.000 min
Response: 2847777
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



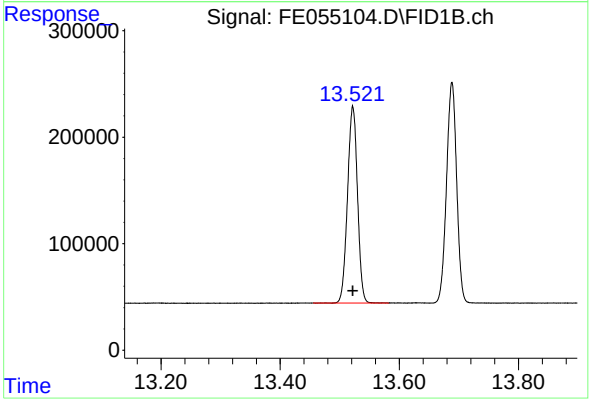
#10 n-Eicosane (C20)

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



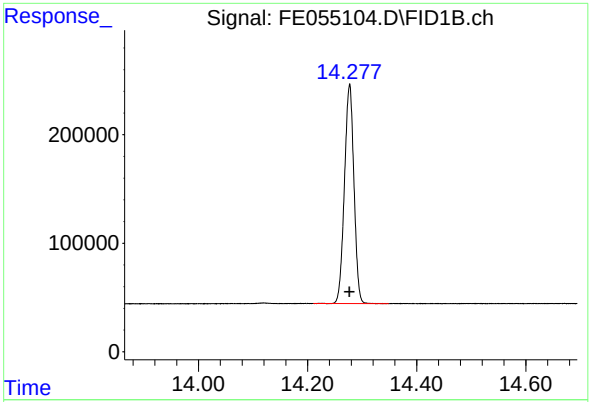
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

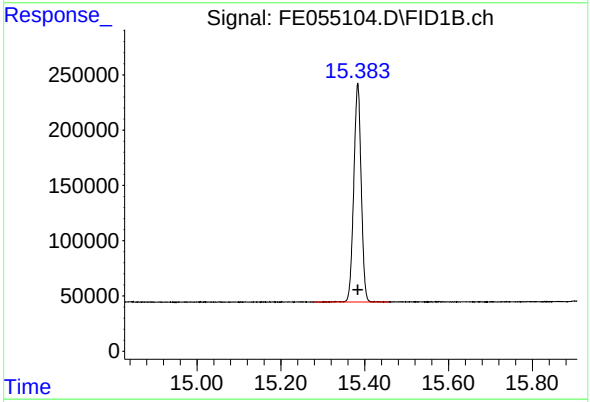
R.T.: 13.522 min
Delta R.T.: 0.000 min
Response: 2145943
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

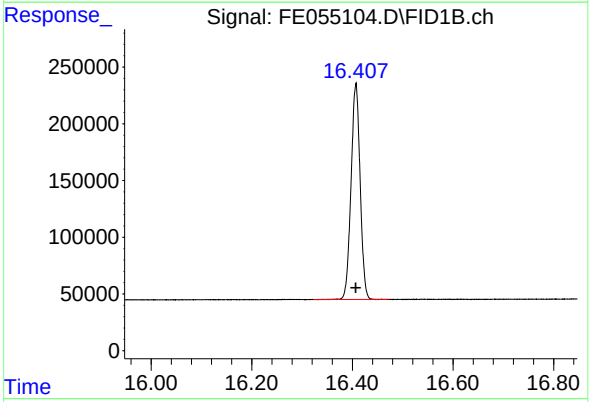
R.T.: 14.277 min
Delta R.T.: 0.000 min
Response: 2436487
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



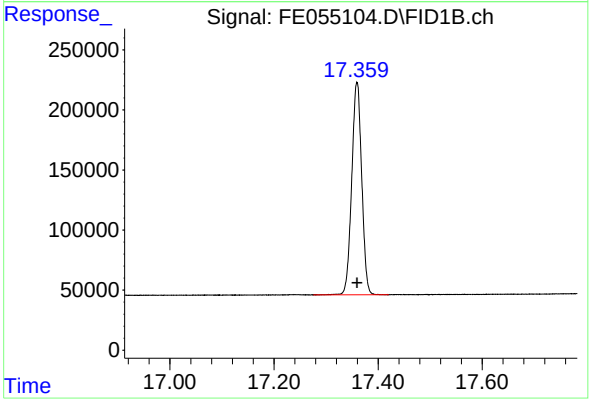
#14 n-Tetracosane (C24)

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



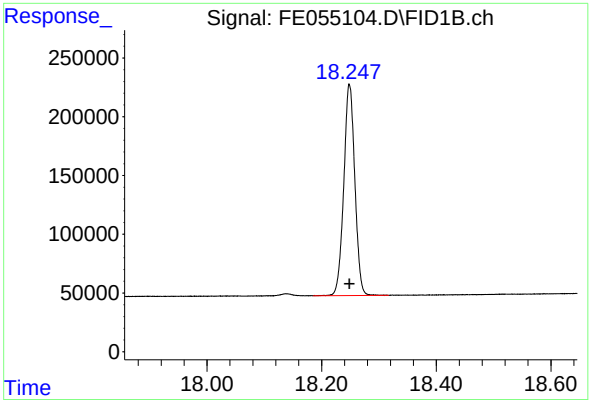
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

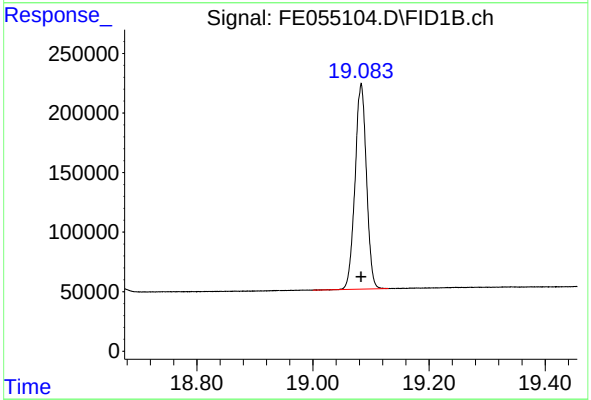
R.T.: 17.359 min
Delta R.T.: 0.000 min
Response: 2354861
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

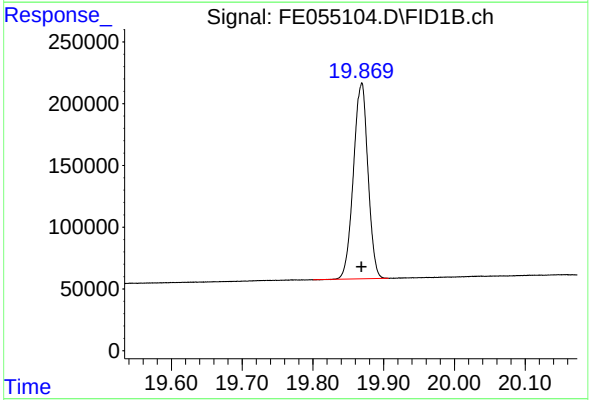
R.T.: 18.249 min
Delta R.T.: 0.000 min
Response: 2413903
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



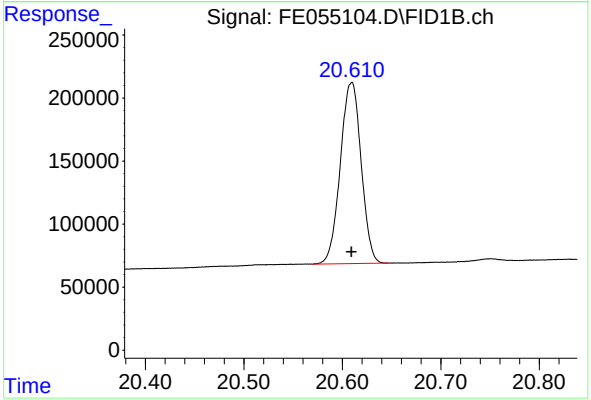
#18 n-Dotriacontane (C32)

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



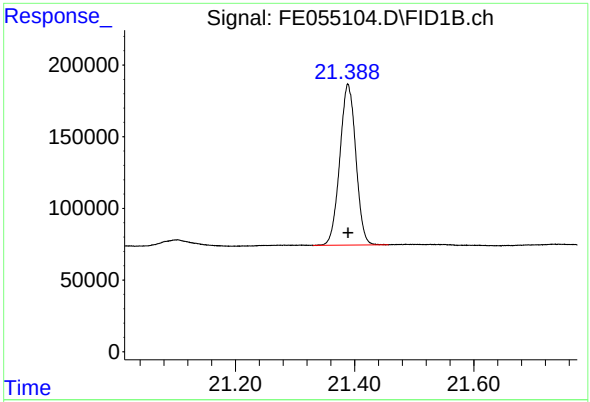
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

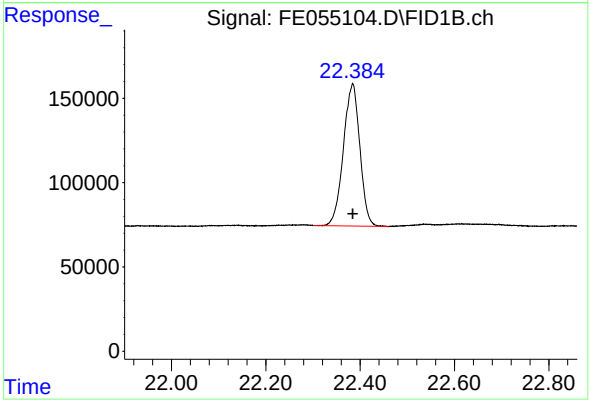
R.T.: 20.609 min
Delta R.T.: 0.000 min
Response: 2110743
Conc: 20.00 ug/ml



#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

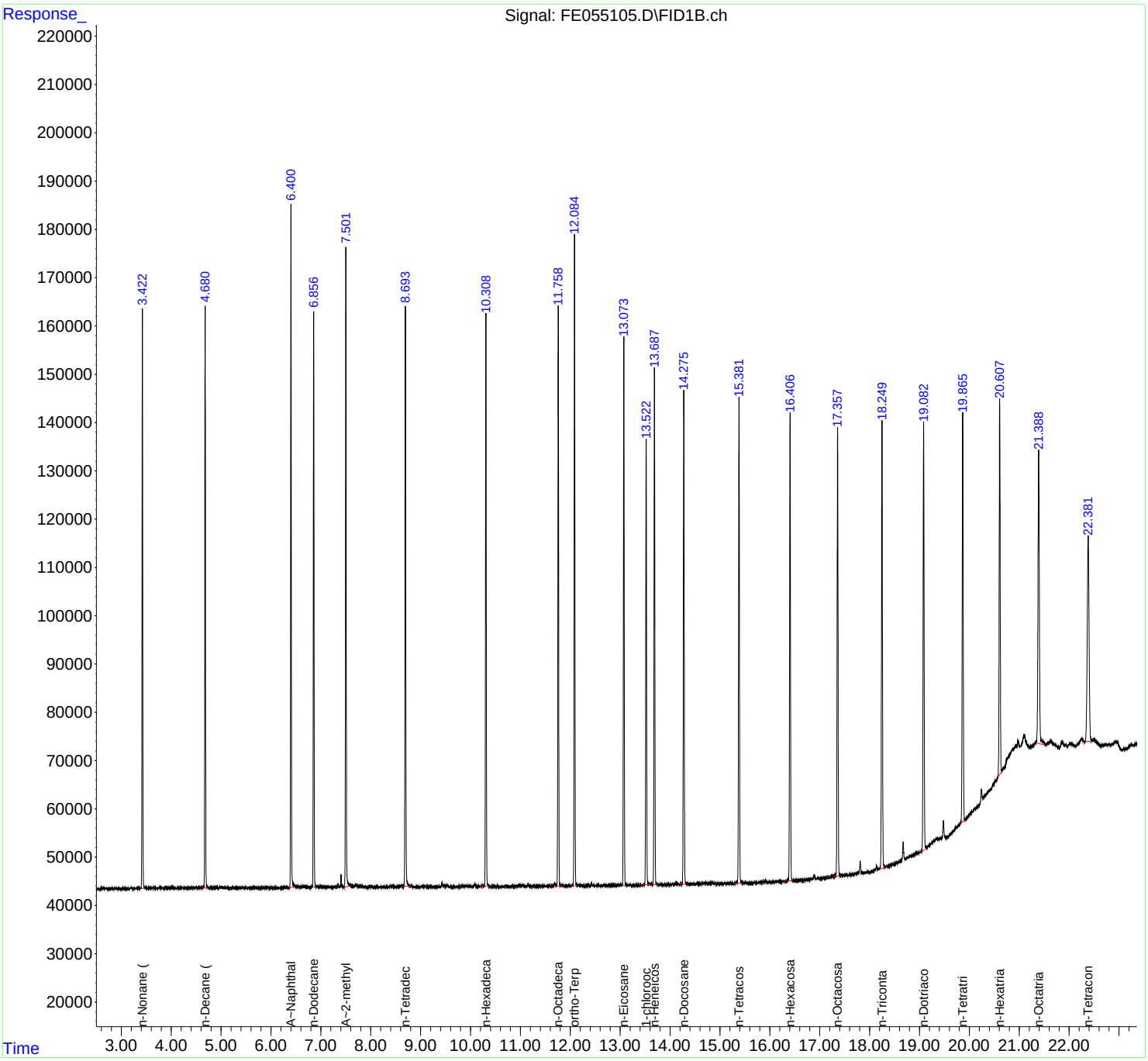
(f)=RT Delta > 1/2 Window (m)=manual int.

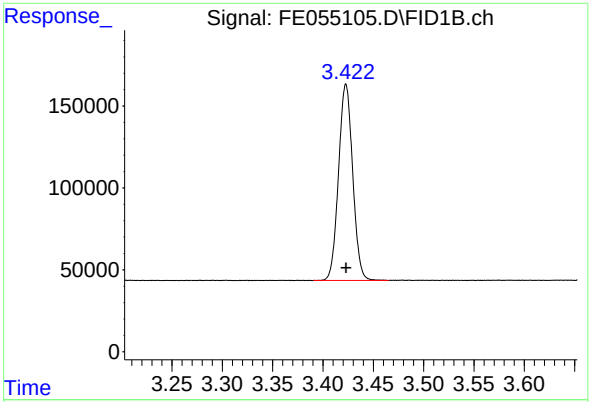
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055105.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:55
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

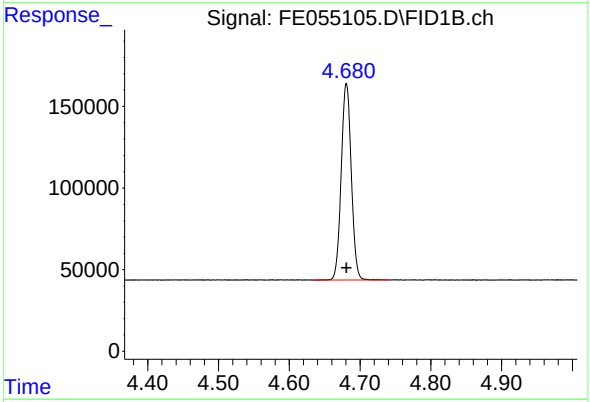




#1 n-Nonane (C9)

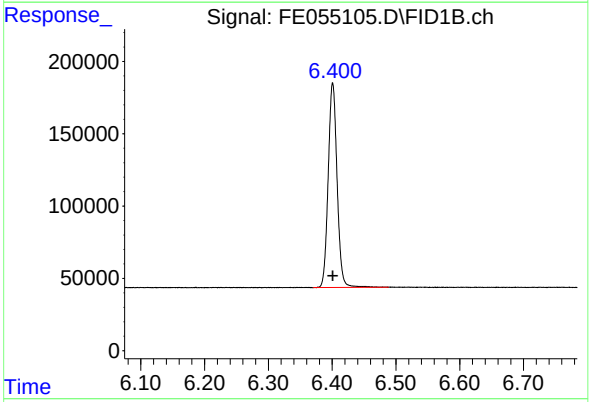
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 1173056
Conc: 10.47 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



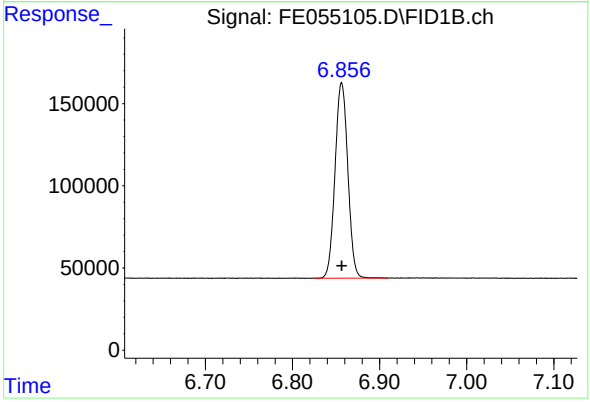
#2 n-Decane (C10)

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



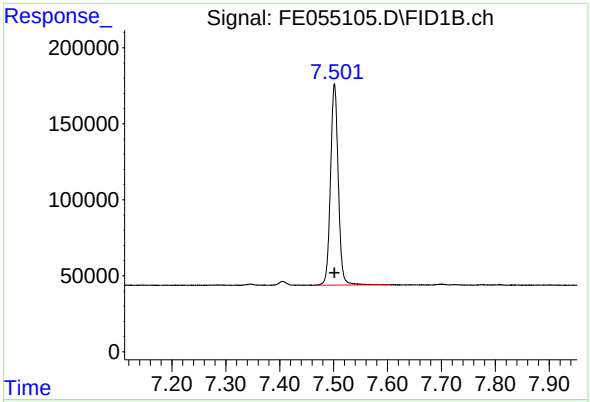
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

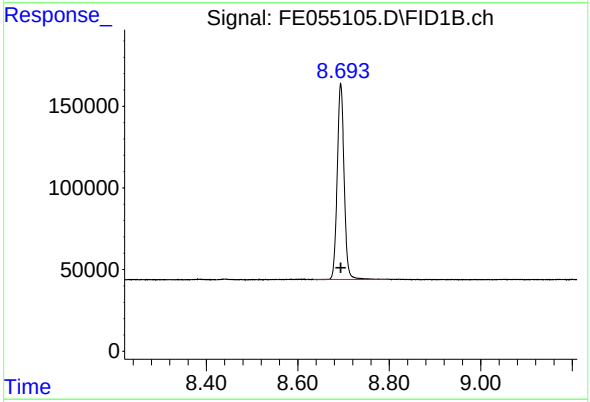
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 1212805
Conc: 10.41 ug/ml



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

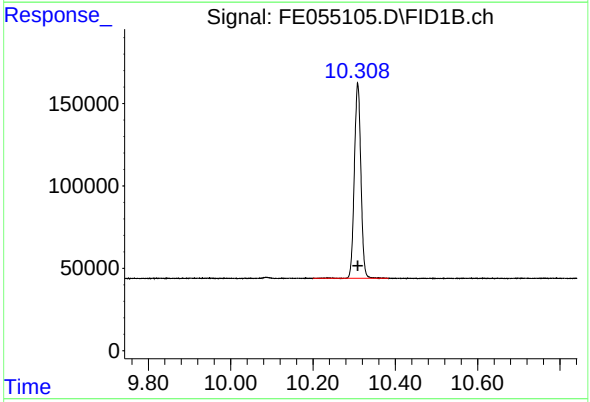
R.T.: 7.502 min
Delta R.T.: 0.000 min
Response: 1327736
Conc: 10.36 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



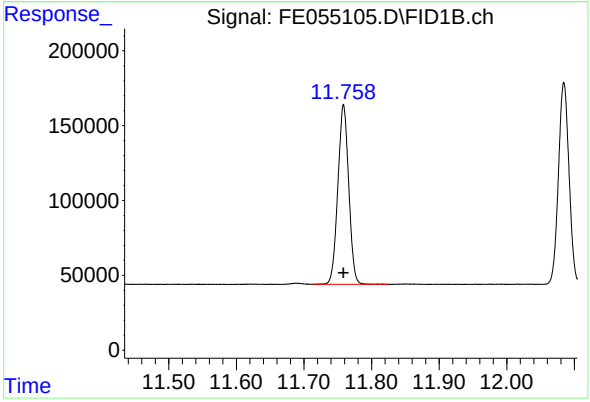
#6 n-Tetradecane (C14)

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



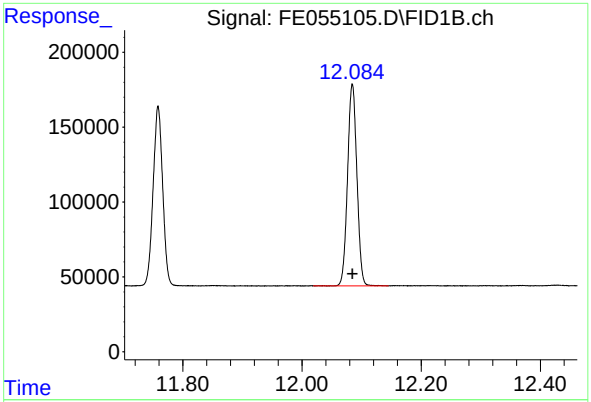
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

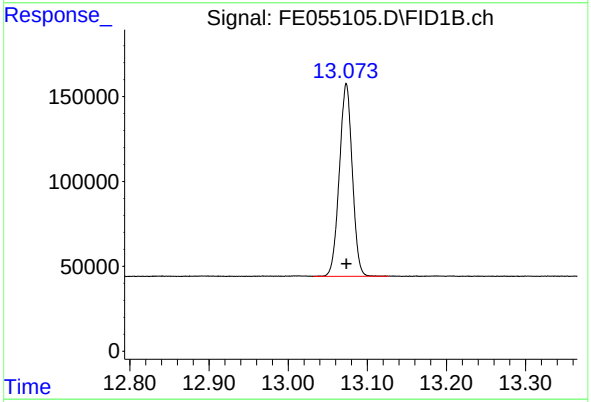
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 1339624
Conc: 10.51 ug/ml



#9 ortho-Terphenyl (SURR)

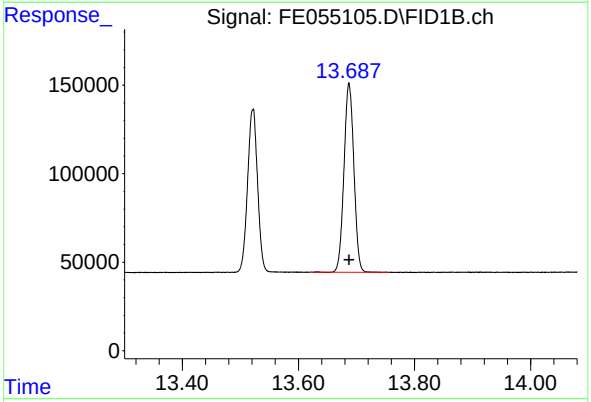
R.T.: 12.085 min
Delta R.T.: 0.000 min
Response: 1465719
Conc: 10.50 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



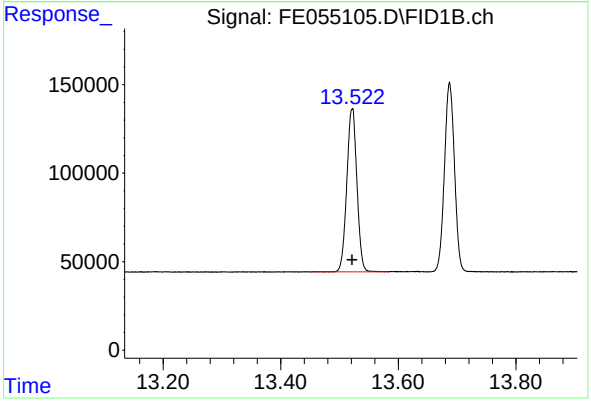
#10 n-Eicosane (C20)

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



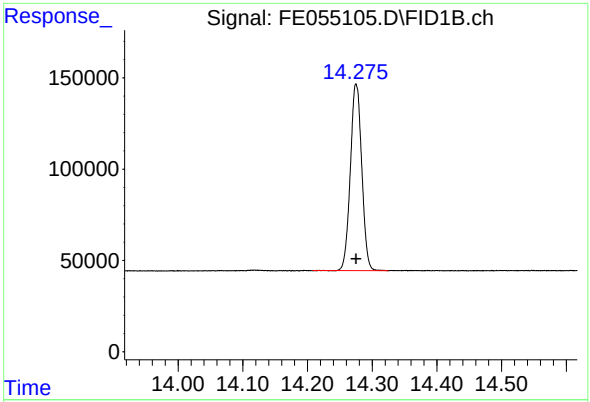
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

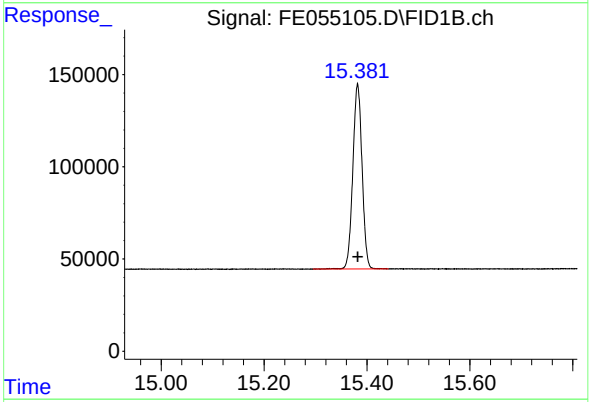
R.T.: 13.521 min
Delta R.T.: 0.000 min
Response: 1101100
Conc: 10.45 ug/ml



#13 n-Docosane (C22)

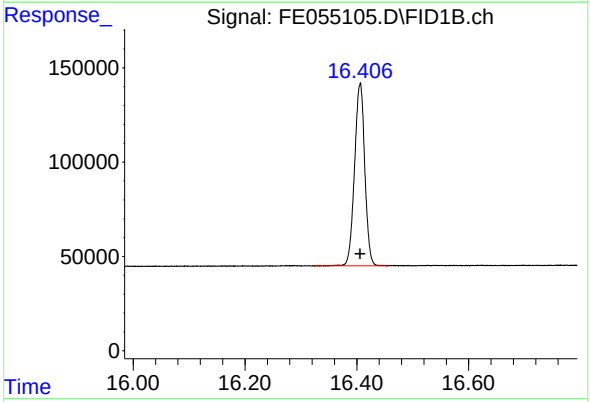
R.T.: 14.275 min
Delta R.T.: 0.000 min
Response: 1252588
Conc: 10.49 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



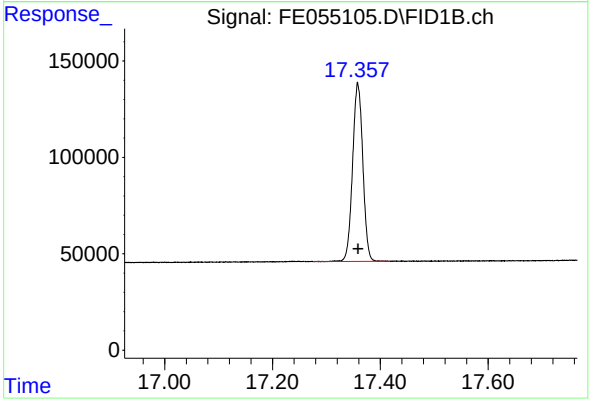
#14 n-Tetracosane (C24)

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



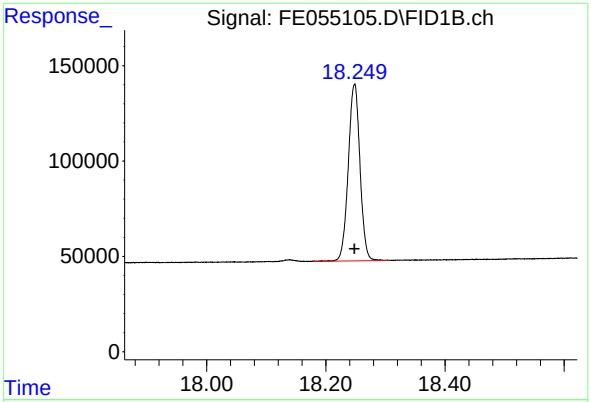
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

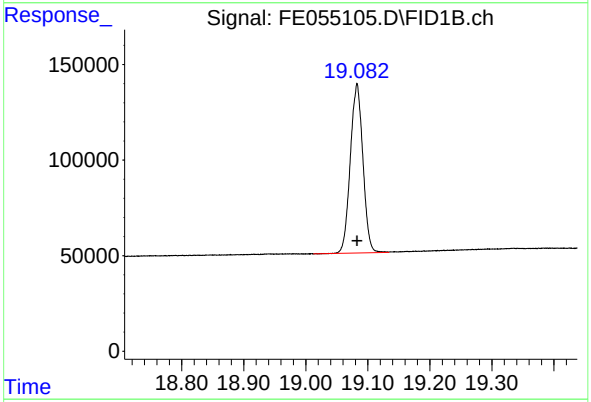
R.T.: 17.358 min
Delta R.T.: 0.000 min
Response: 1218469
Conc: 10.57 ug/ml



#17 n-Tricontane (C30)

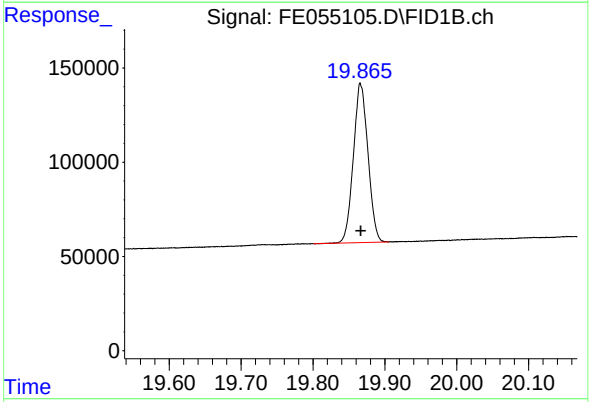
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 1265398
Conc: 10.71 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



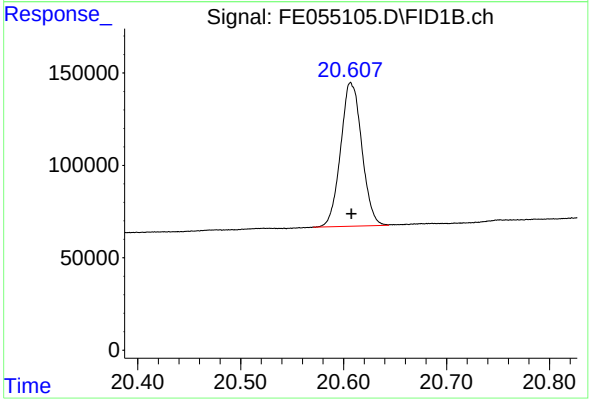
#18 n-Dotriacontane (C32)

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



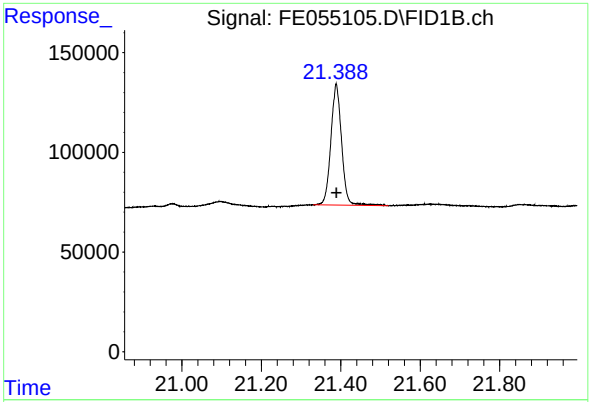
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

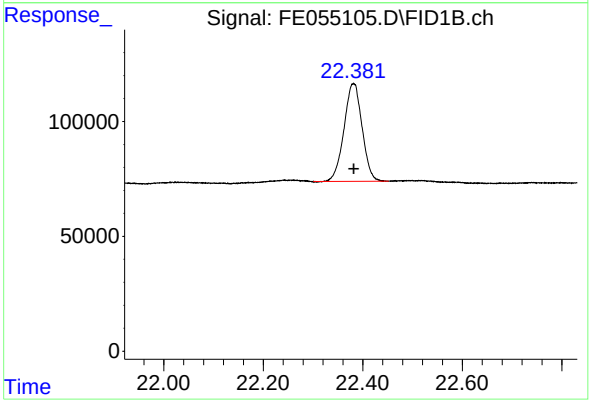
R.T.: 20.607 min
Delta R.T.: 0.000 min
Response: 1108488
Conc: 10.63 ug/ml



#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.

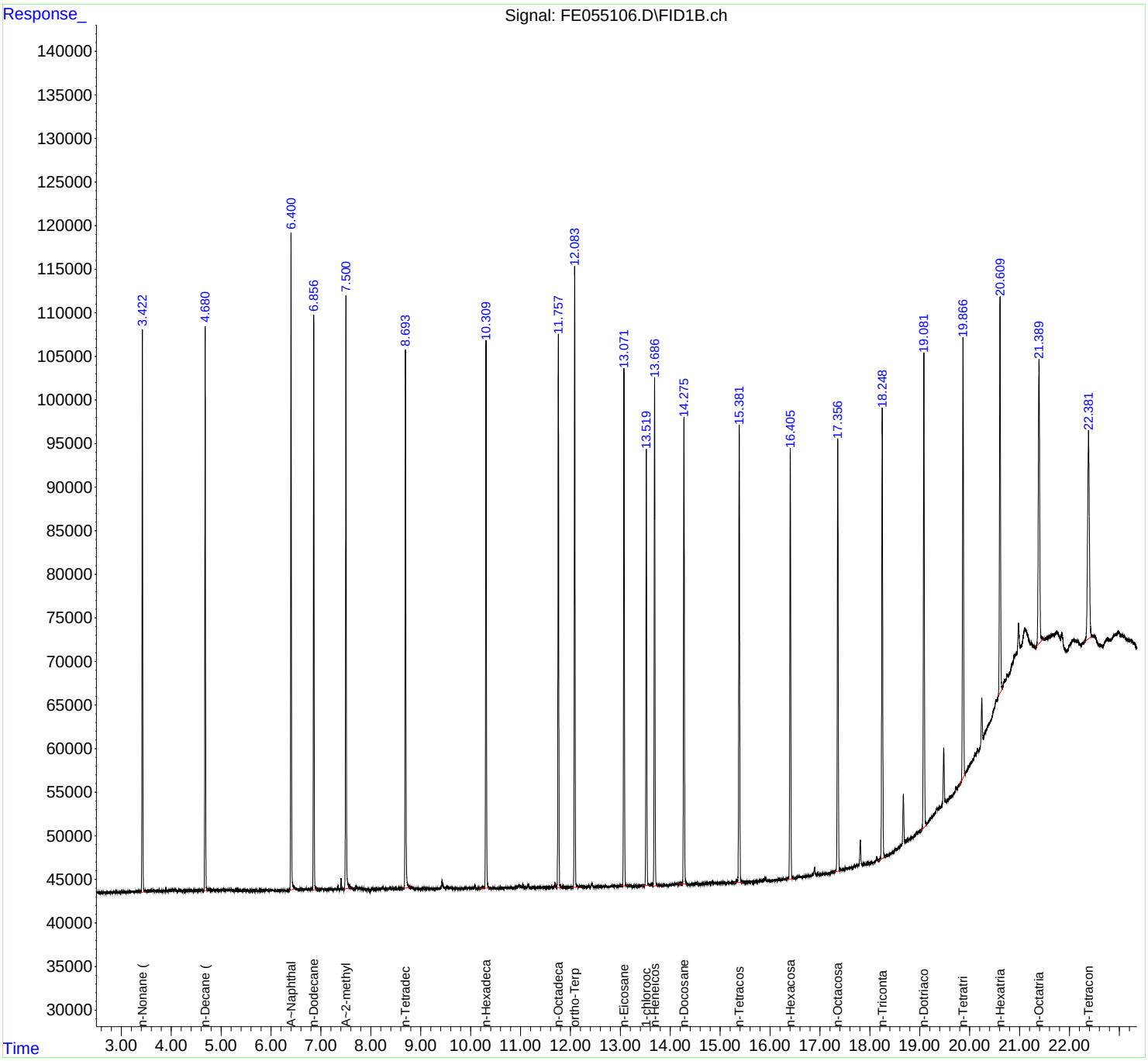
Quantitation Report (QT Reviewed)

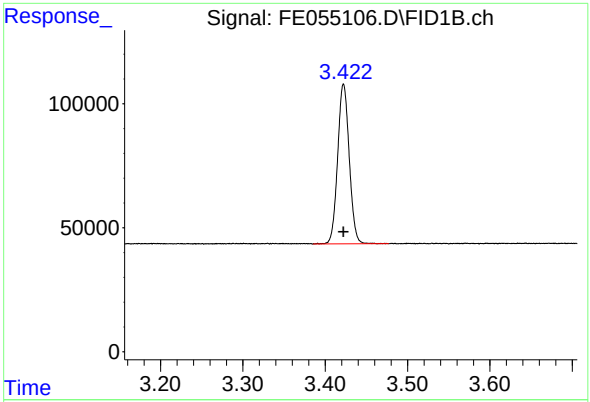
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055106.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:25
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

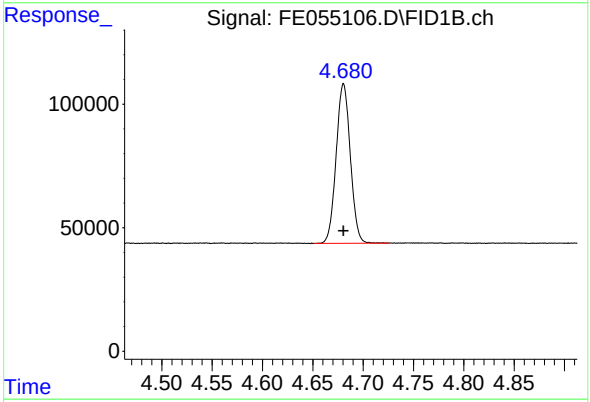




#1 n-Nonane (C9)

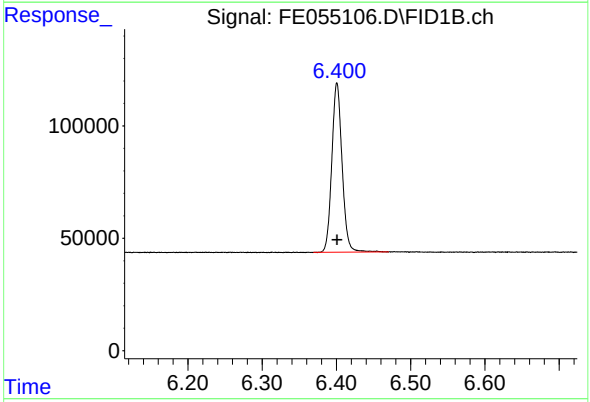
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 629501
Conc: 5.48 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



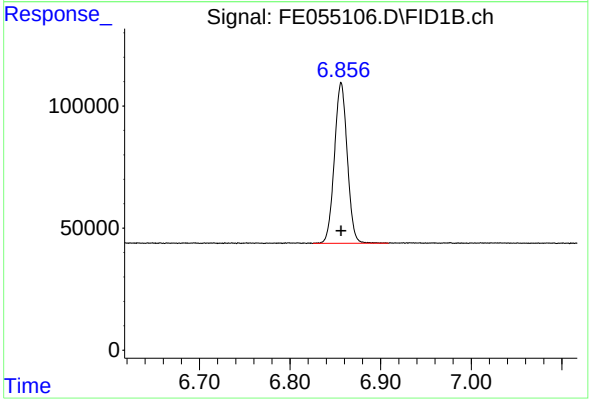
#2 n-Decane (C10)

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



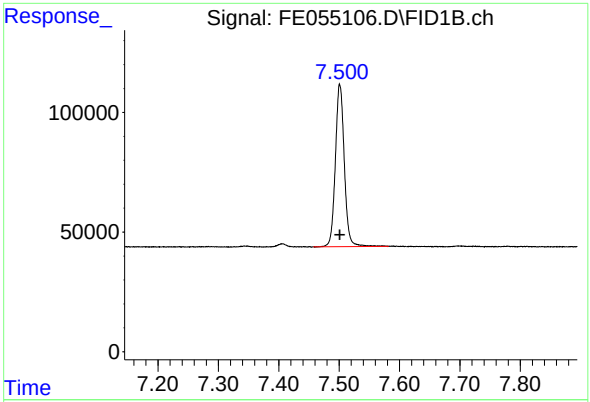
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

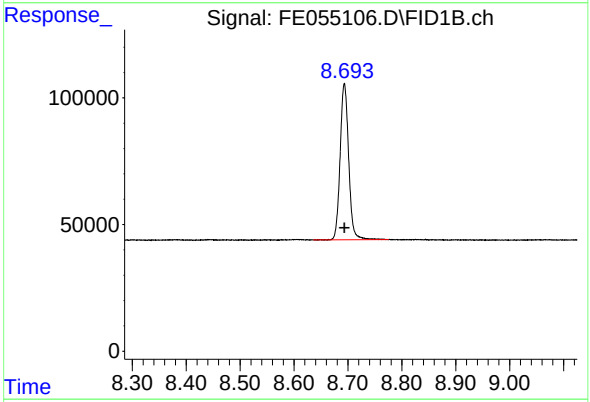
R.T.: 6.856 min
Delta R.T.: 0.000 min
Response: 647501
Conc: 5.44 ug/ml



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

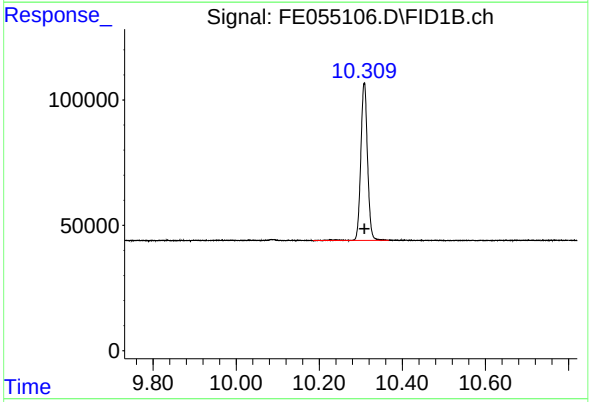
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 697536
Conc: 5.35 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



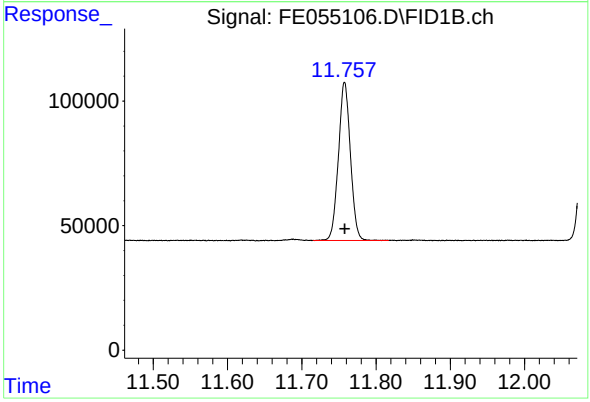
#6 n-Tetradecane (C14)

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



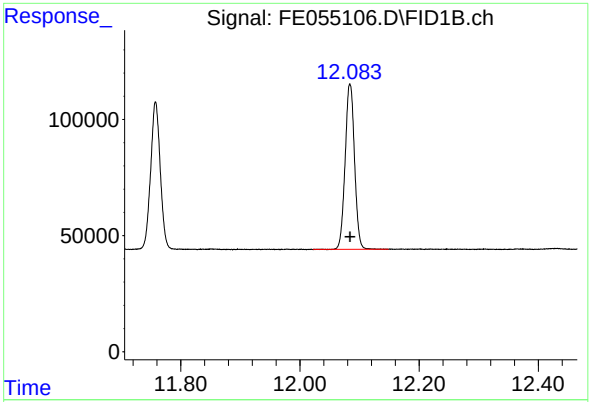
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

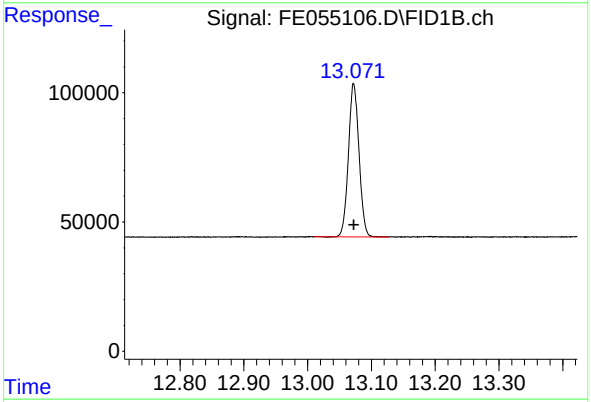
R.T.: 11.758 min
Delta R.T.: 0.000 min
Response: 713273
Conc: 5.47 ug/ml



#9 ortho-Terphenyl (SURR)

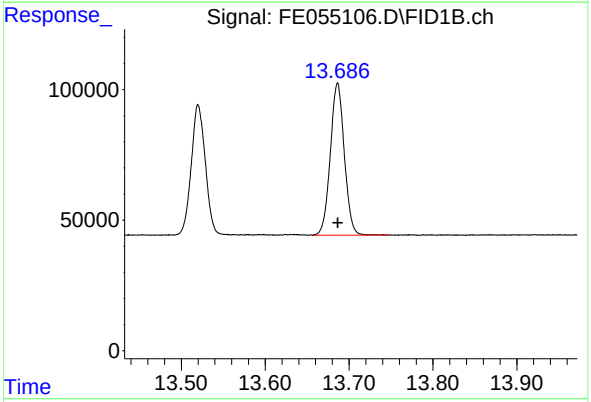
R.T.: 12.084 min
Delta R.T.: 0.000 min
Response: 778115
Conc: 5.45 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



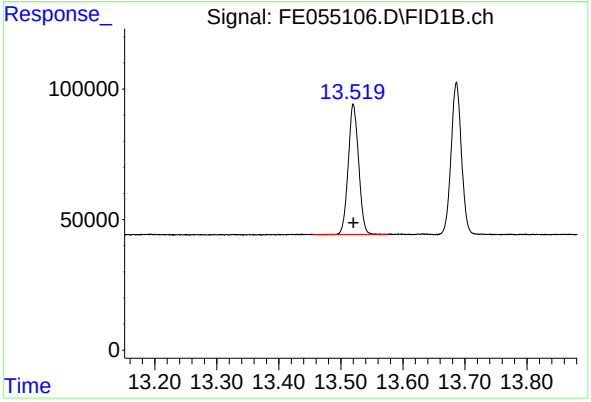
#10 n-Eicosane (C20)

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



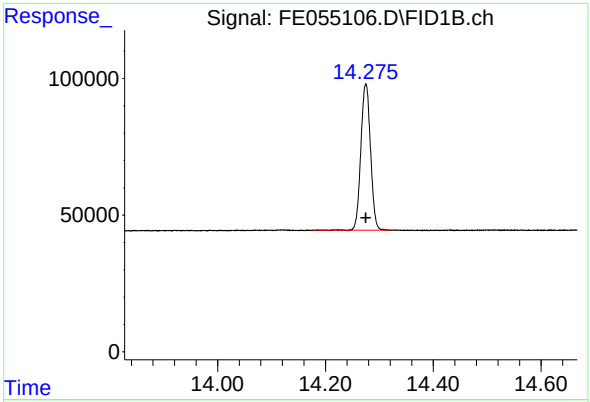
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

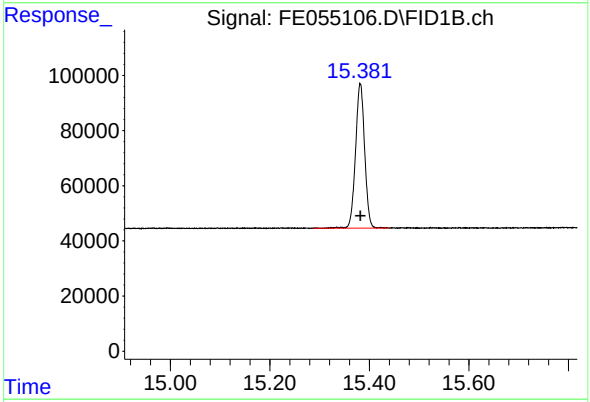
R.T.: 13.520 min
Delta R.T.: 0.000 min
Response: 580920
Conc: 5.40 ug/ml



#13 n-Docosane (C22)

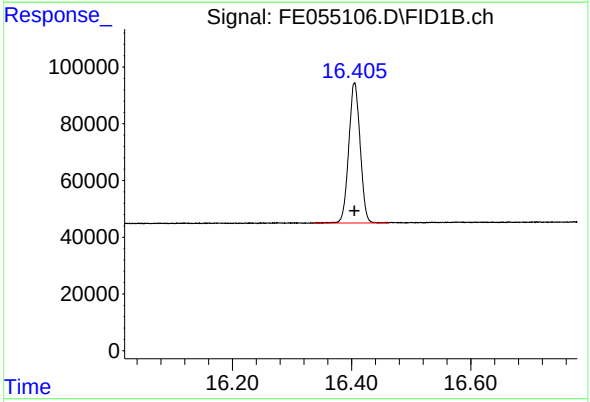
R.T.: 14.275 min
Delta R.T.: 0.000 min
Response: 665279
Conc: 5.45 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



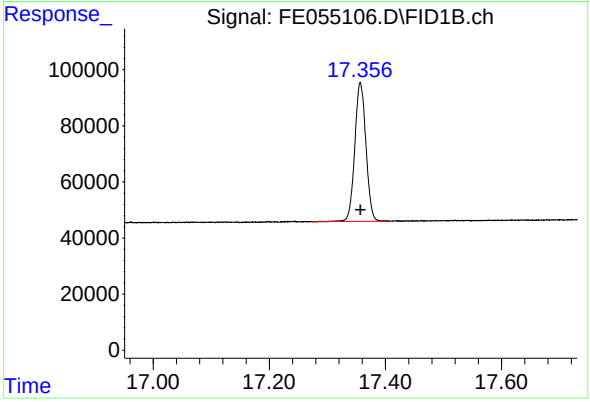
#14 n-Tetracosane (C24)

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



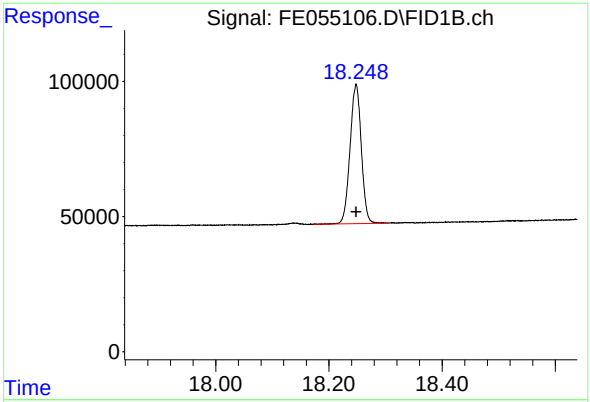
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

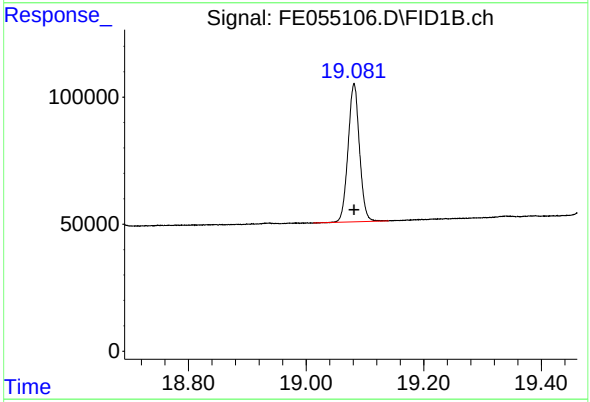
R.T.: 17.357 min
Delta R.T.: 0.000 min
Response: 659989
Conc: 5.56 ug/ml



#17 n-Tricontane (C30)

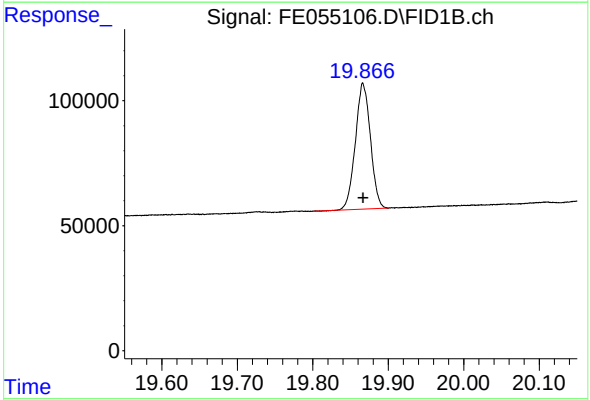
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 712384
Conc: 5.79 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



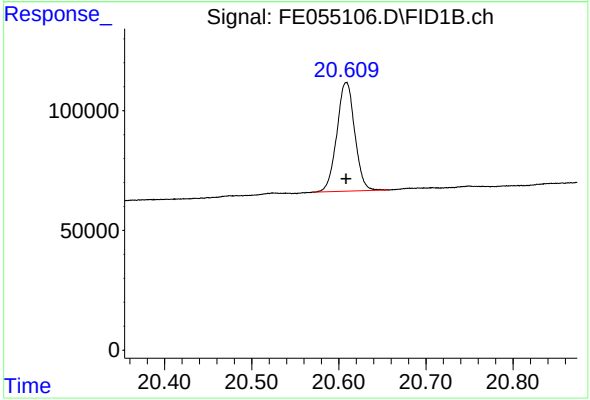
#18 n-Dotriacontane (C32)

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



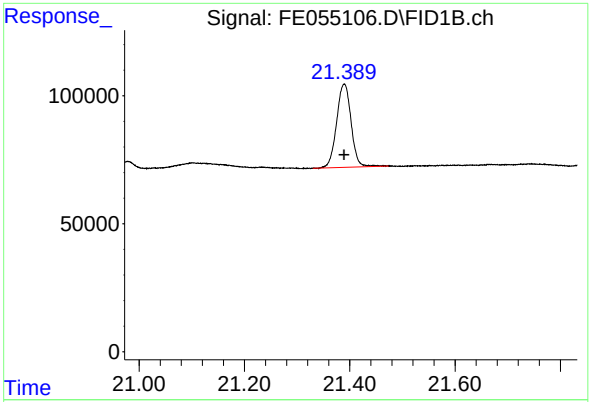
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

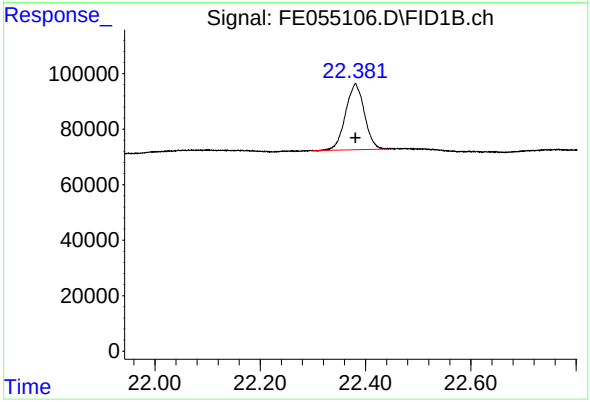
R.T.: 20.608 min
Delta R.T.: 0.000 min
Response: 646626
Conc: 5.92 ug/ml



#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

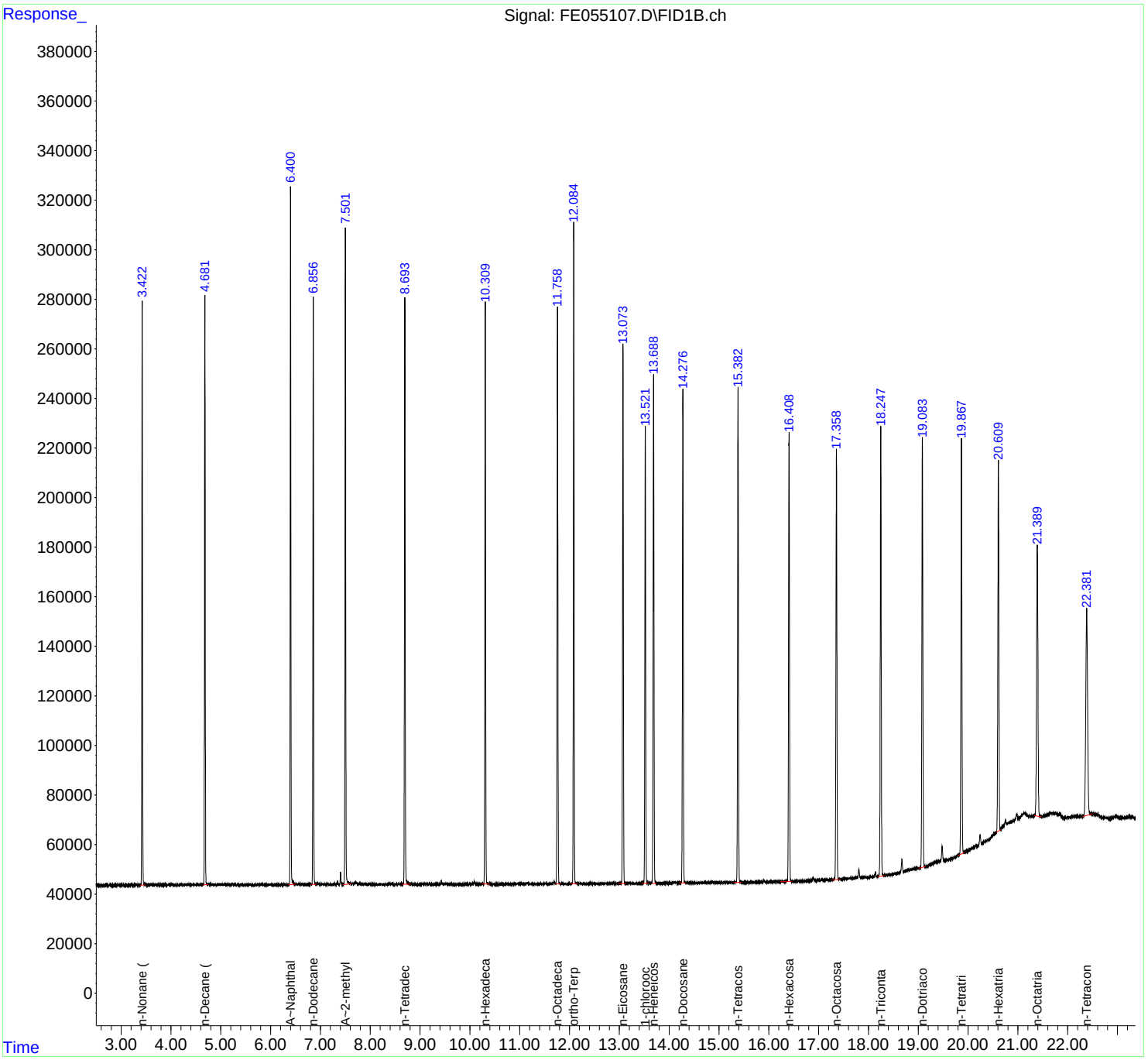
(f)=RT Delta > 1/2 Window (m)=manual int.

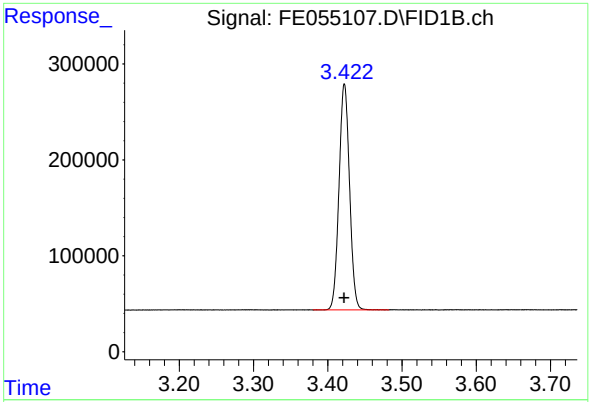
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055107.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:55
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

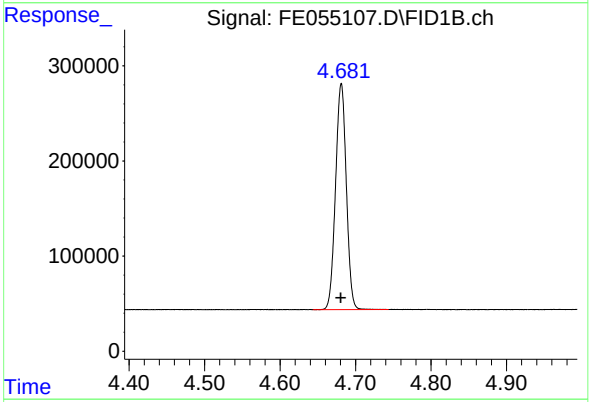




#1 n-Nonane (C9)

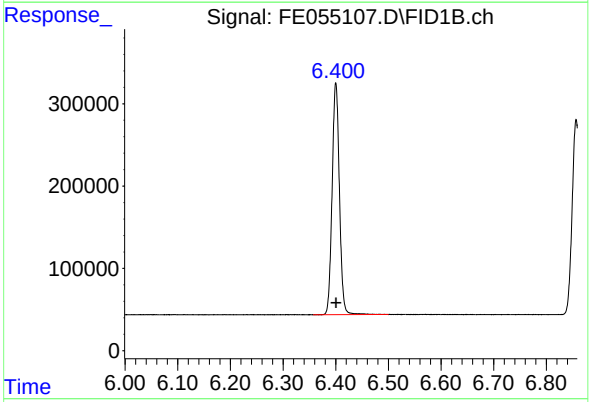
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 2320492
Conc: 20.22 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



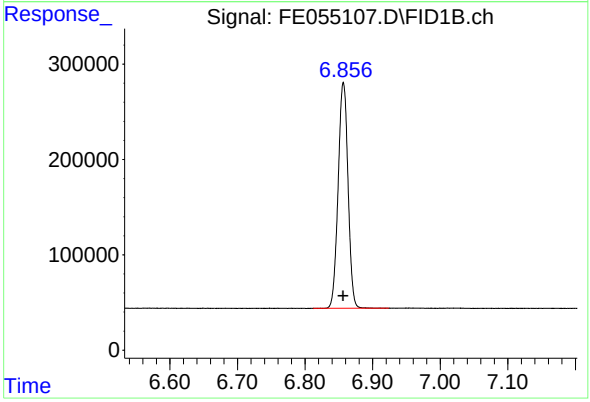
#2 n-Decane (C10)

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



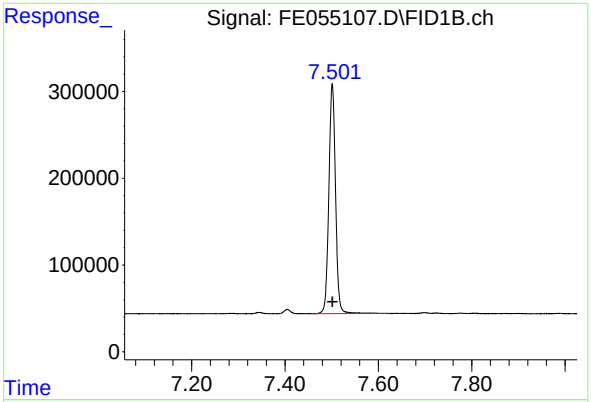
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

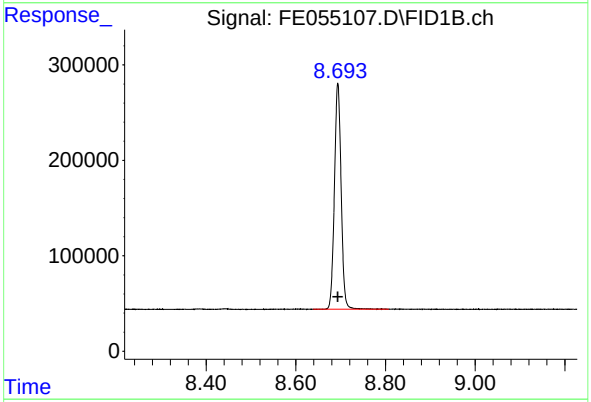
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 2407946
Conc: 20.22 ug/ml



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

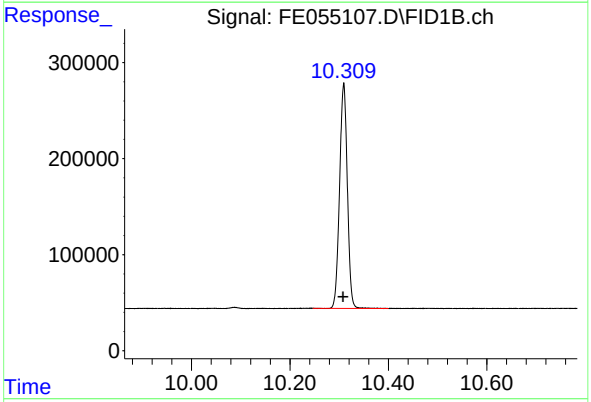
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 2636139
Conc: 20.22 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



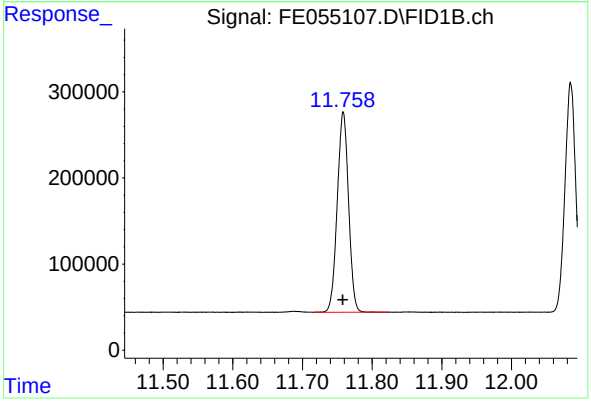
#6 n-Tetradecane (C14)

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



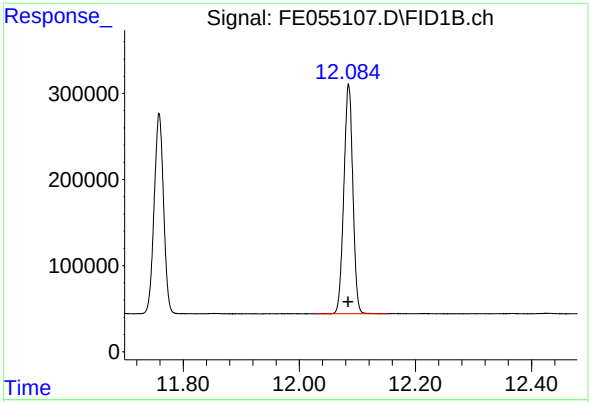
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

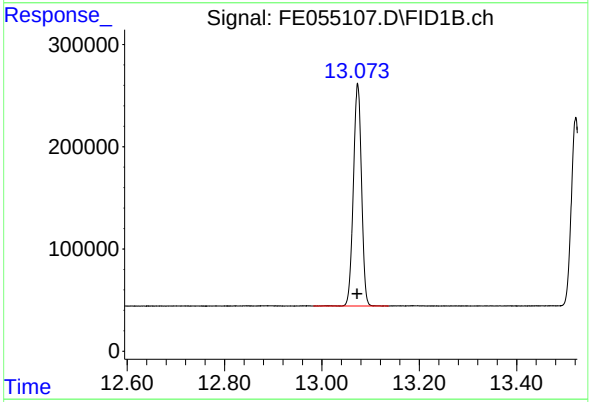
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 2619955
Conc: 20.08 ug/ml



#9 ortho-Terphenyl (SURR)

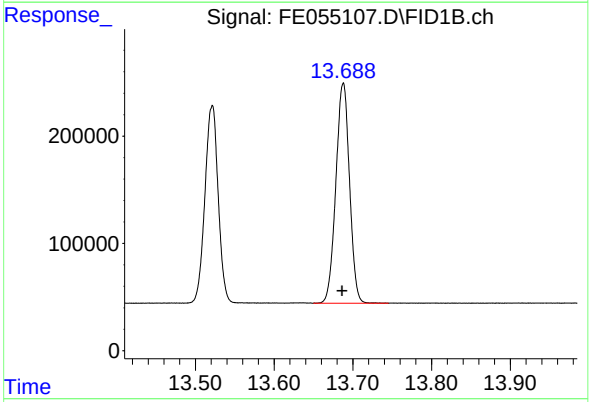
R.T.: 12.085 min
Delta R.T.: 0.000 min
Response: 2866726
Conc: 20.07 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



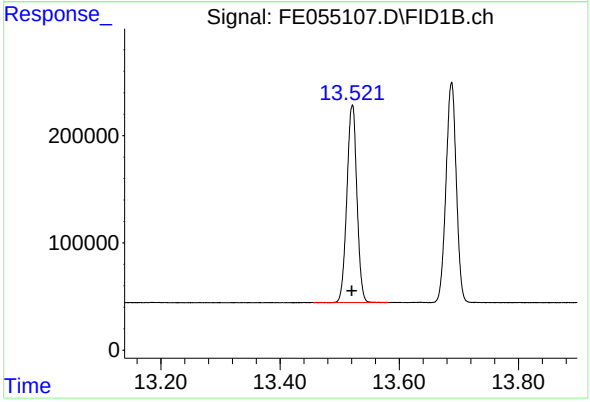
#10 n-Eicosane (C20)

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



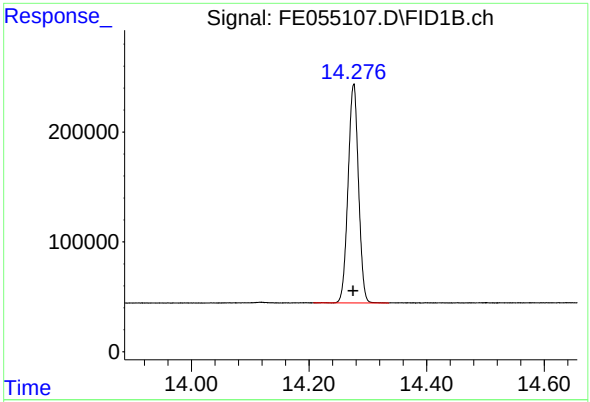
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

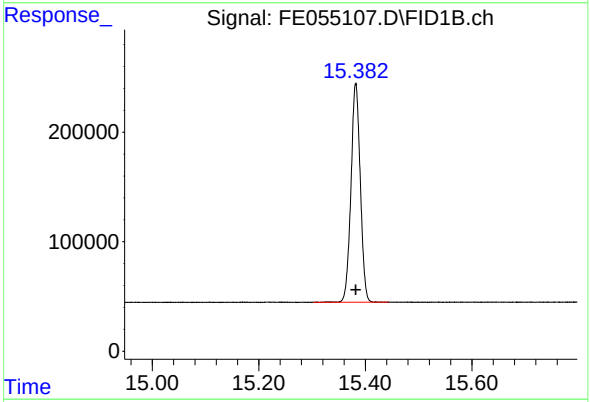
R.T.: 13.521 min
Delta R.T.: 0.000 min
Response: 2156193
Conc: 20.05 ug/ml



#13 n-Docosane (C22)

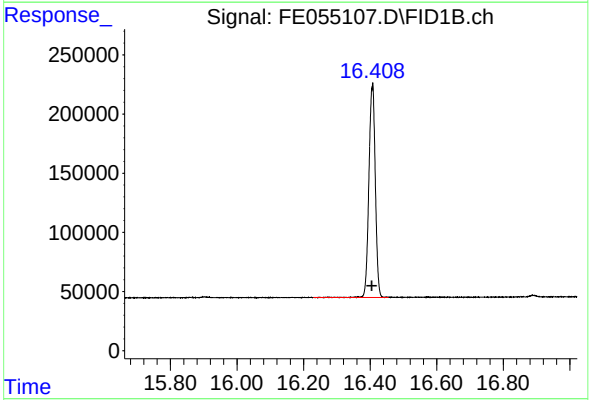
R.T.: 14.276 min
Delta R.T.: 0.000 min
Response: 2448476
Conc: 20.05 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



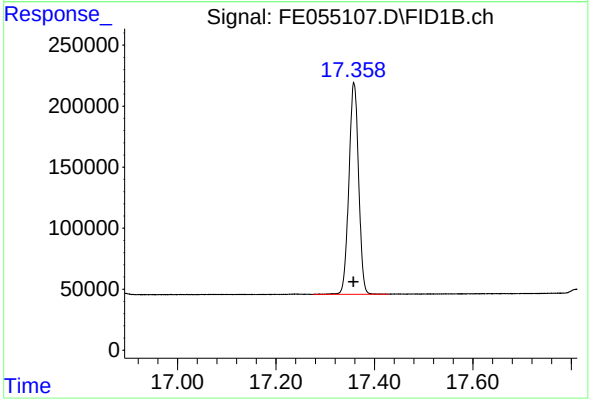
#14 n-Tetracosane (C24)

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



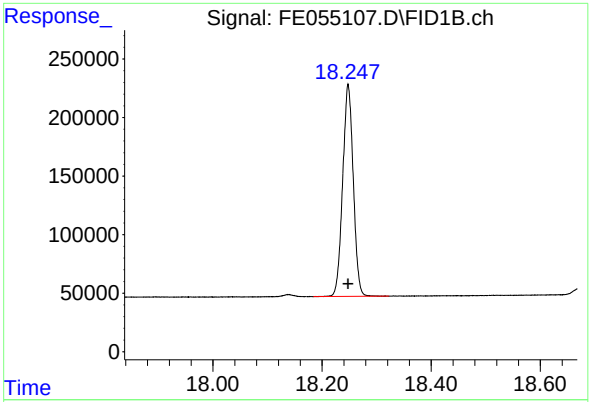
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

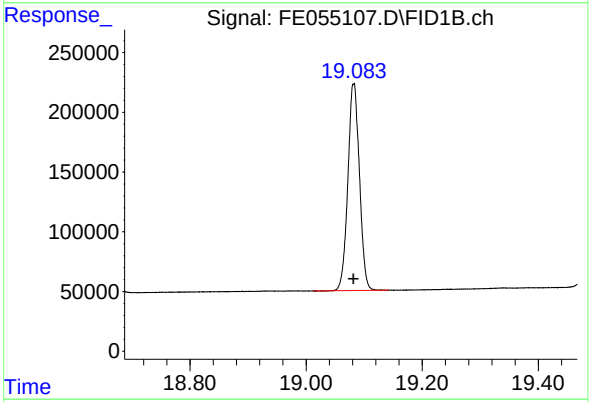
R.T.: 17.359 min
Delta R.T.: 0.002 min
Response: 2370324
Conc: 19.98 ug/ml



#17 n-Tricontane (C30)

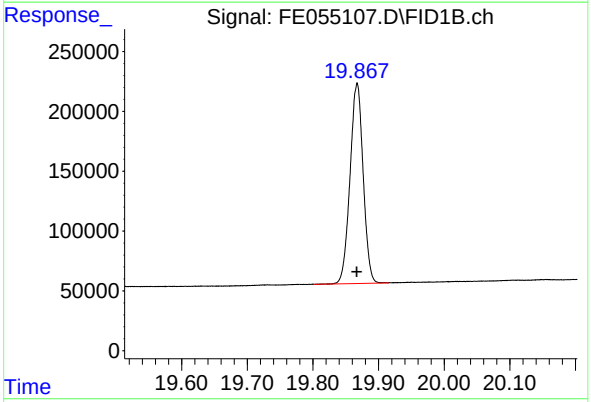
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 2441052
Conc: 19.84 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



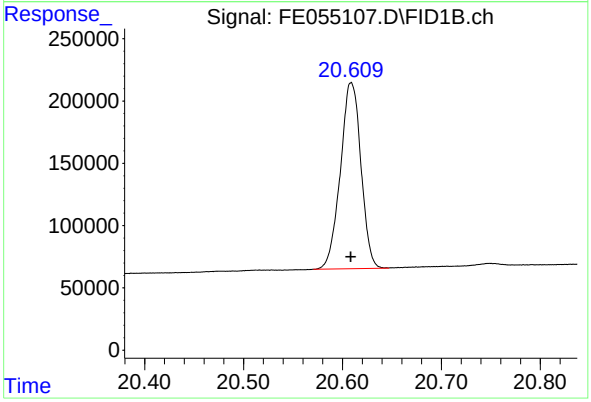
#18 n-Dotriacontane (C32)

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



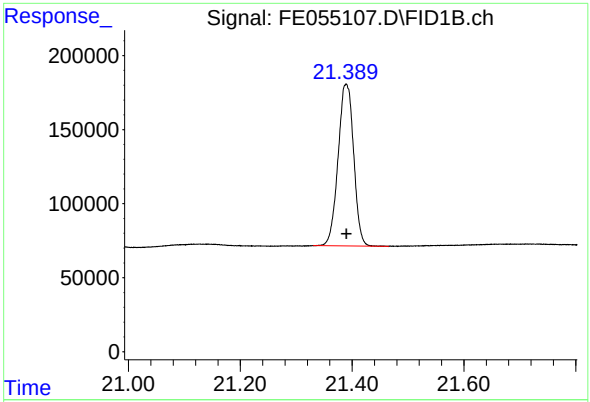
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

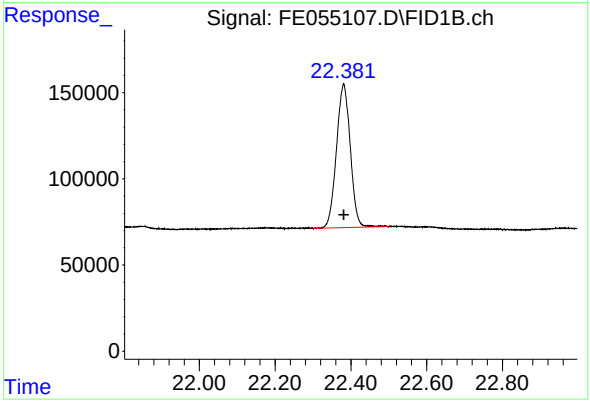
R.T.: 20.609 min
Delta R.T.: 0.000 min
Response: 2160075
Conc: 19.76 ug/ml



#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 : FE082725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE055534.D**						
Aliphatic C9-C12	6197068.000	60.000	3.315	6.949	103284.467	116782.597	11.558
Aliphatic C12-C16	4423483.000	40.000	6.950	10.402	110587.075	125227.070	11.691
Aliphatic C16-C21	7123182.000	60.000	10.403	13.780	118719.700	126404.887	6.080
Aliphatic C21-C28	9604464.000	80.000	13.781	17.453	120055.800	120505.719	0.373
Aliphatic C28-C40	15216563.000	120.000	17.454	22.472	126804.692	113987.195	-11.245
Aliphatic EPH	42564760.000	360.000	3.315	22.472	118235.444	119220.147	0.826

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:	27 Aug 2025 10:52
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055534.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.315	6.949	6197068.000	60.000	ug/ml
Aliphatic C12-C16	6.950	10.402	4423483.000	40.000	ug/ml
Aliphatic C16-C21	10.403	13.780	7123182.000	60.000	ug/ml
Aliphatic C21-C28	13.781	17.453	9604464.000	80.000	ug/ml
Aliphatic C28-C40	17.454	22.472	15216563.000	120.000	ug/ml
Aliphatic EPH	3.315	22.472	42564760.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055534.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 10:52
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 27 11:37:56 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)	12.076	2697510	18.890 ug/ml
Spiked Amount	50.000		Recovery =	37.78%
12)	S 1-chlorooctadecane (S...	13.513	2063234	19.189 ug/ml
Spiked Amount	50.000		Recovery =	38.38%
	Target Compounds			
1)	T n-Nonane (C9)	3.414	2001580	17.440 ug/ml
2)	T n-Decane (C10)	4.672	2073164	17.796 ug/ml
3)	T A~Naphthalene (C11.7)	6.392	2357890	17.566 ug/ml
4)	T n-Dodecane (C12)	6.848	2122324	17.822 ug/ml
5)	T A~2-methylnaphthalene...	7.493	2300472	17.644 ug/ml
6)	T n-Tetradecane (C14)	8.686	2155532	17.580 ug/ml
7)	T n-Hexadecane (C16)	10.300	2267951	17.740 ug/ml
8)	T n-Octadecane (C18)	11.749	2402437	18.413 ug/ml
10)	T n-Eicosane (C20)	13.065	2370153	18.890 ug/ml
11)	T n-Heneicosane (C21)	13.680	2350592	19.069 ug/ml
13)	T n-Docosane (C22)	14.268	2379434	19.484 ug/ml
14)	T n-Tetracosane (C24)	15.374	2417955	19.879 ug/ml
15)	T n-Hexacosane (C26)	16.399	2379522	19.888 ug/ml
16)	T n-Octacosane (C28)	17.350	2427553	20.464 ug/ml
17)	T n-Tricontane (C30)	18.240	2717153	22.082 ug/ml
18)	T n-Dotriacontane (C32)	19.075	2918582	23.921 ug/ml
19)	T n-Tetratriacontane (C34)	19.861	2798620	23.936 ug/ml
20)	T n-Hexatriacontane (C36)	20.602	2430648	22.239 ug/ml
21)	T n-Octatriacontane (C38)	21.380	2252736	20.845 ug/ml
22)	T n-Tetracontane (C40)	22.367	2098824	20.070 ug/ml

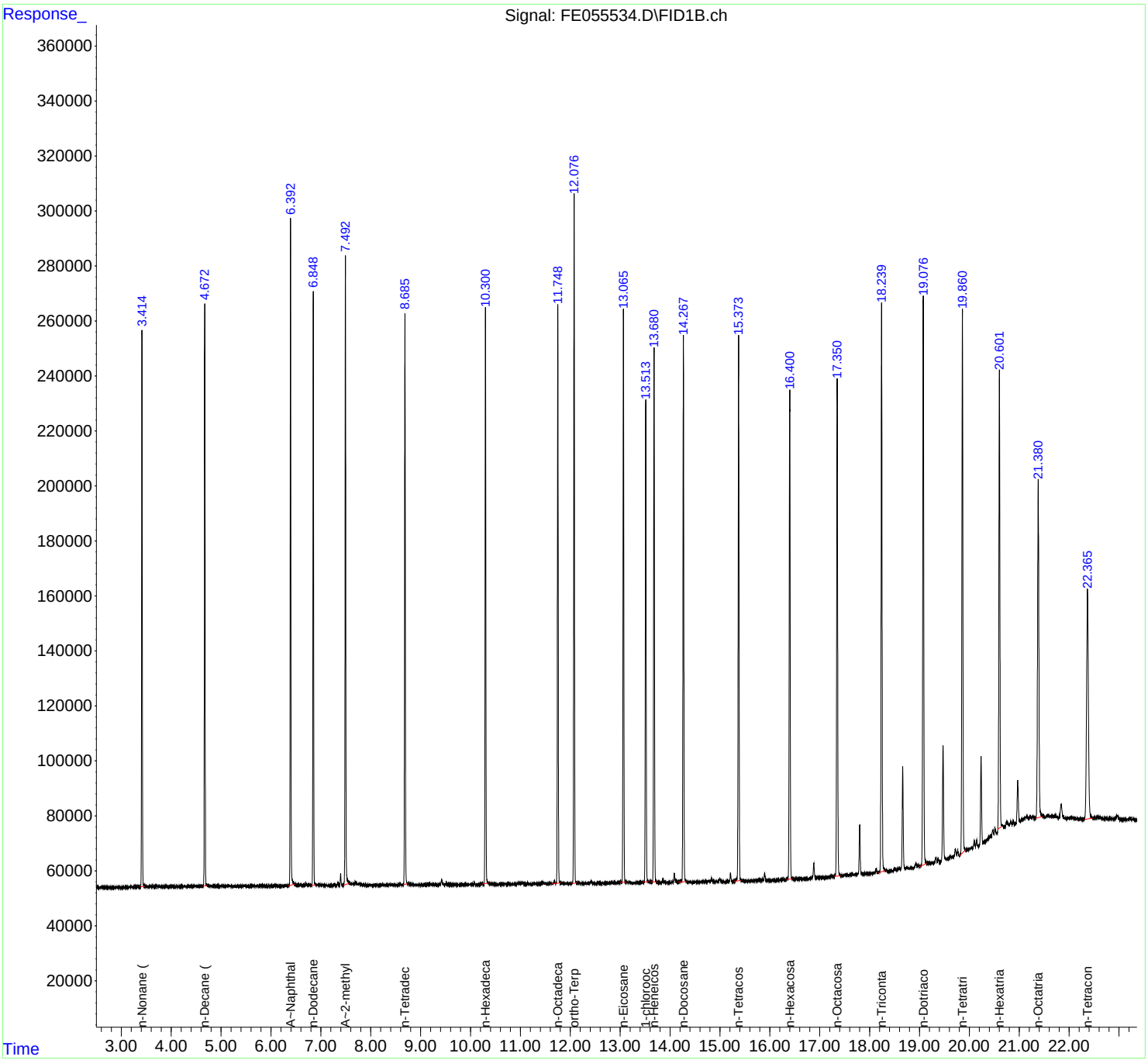
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055534.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 10:52
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 27 11:37:56 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\FE082725AL\
Data File : FE055534.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 10:52
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	3.414	3.380	3.465	BB	202005	2001580	68.58%	3.850%
2	4.672	4.635	4.720	BB	211794	2073164	71.03%	3.988%
3	6.392	6.347	6.472	BB	241855	2357890	80.79%	4.536%
4	6.848	6.812	6.895	BB	216387	2122324	72.72%	4.083%
5	7.493	7.452	7.570	BB	228108	2300472	78.82%	4.425%
6	8.686	8.652	8.745	BB	207619	2155532	73.86%	4.147%
7	10.300	10.242	10.355	BB	209197	2267951	77.71%	4.363%
8	11.749	11.635	11.802	BB	210966	2402437	82.32%	4.622%
9	12.076	12.039	12.124	BB	250099	2697510	92.43%	5.189%
10	13.065	12.999	13.119	BB	208697	2370153	81.21%	4.559%
11	13.513	13.455	13.567	BB	175237	2063234	70.69%	3.969%
12	13.680	13.620	13.734	BB	194277	2350592	80.54%	4.522%
13	14.268	14.172	14.327	BB	198757	2379434	81.53%	4.577%
14	15.374	15.284	15.429	BB	196504	2417955	82.85%	4.651%
15	16.399	16.335	16.452	BB	173442	2379522	81.53%	4.577%
16	17.350	17.288	17.417	BB	180679	2427553	83.18%	4.670%
17	18.240	18.172	18.312	BB	193600	2717153	93.10%	5.227%
18	19.075	19.000	19.149	BB	205937	2918582	100.00%	5.614%
19	19.861	19.800	19.927	BB	196896	2798620	95.89%	5.384%
20	20.602	20.570	20.655	BB	166514	2430648	83.28%	4.676%
21	21.380	21.330	21.467	BB	123040	2252736	77.19%	4.334%
22	22.367	22.300	22.477	BB	82928	2098824	71.91%	4.037%

Sum of corrected areas: 51983863

Aliphatic EPH 080125.M Wed Aug 27 11:39:16 2025

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

Continuing Calibration Report for SequenceID : FE082725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE055542.D**						
Aliphatic C9-C12	7114691.000	60.000	3.315	6.949	118578.183	116782.597	-1.538
Aliphatic C12-C16	4986628.000	40.000	6.950	10.402	124665.700	125227.070	0.448
Aliphatic C16-C21	8056292.000	60.000	10.403	13.780	134271.533	126404.887	-6.223
Aliphatic C21-C28	10928066.000	80.000	13.781	17.453	136600.825	120505.719	-13.356
Aliphatic C28-C40	15812162.000	120.000	17.454	22.472	131768.017	113987.195	-15.599
Aliphatic EPH	46897839.000	360.000	3.315	22.472	130271.775	119220.147	-9.270

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:	27 Aug 2025 18:59
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055542.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.315	6.949	7114691.000	60.000	ug/ml
Aliphatic C12-C16	6.950	10.402	4986628.000	40.000	ug/ml
Aliphatic C16-C21	10.403	13.780	8056292.000	60.000	ug/ml
Aliphatic C21-C28	13.781	17.453	10928066.000	80.000	ug/ml
Aliphatic C28-C40	17.454	22.472	15812162.000	120.000	ug/ml
Aliphatic EPH	3.315	22.472	46897839.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055542.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 18:59
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 28 01:16:28 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)	12.076	3043715	21.314 ug/ml
Spiked Amount	50.000		Recovery =	42.63%
12) S	1-chlorooctadecane (S...	13.513	2348484	21.841 ug/ml
Spiked Amount	50.000		Recovery =	43.68%
	Target Compounds			
1) T	n-Nonane (C9)	3.414	2339010	20.380 ug/ml
2) T	n-Decane (C10)	4.672	2373258	20.372 ug/ml
3) T	A~Naphthalene (C11.7)	6.392	2702085	20.130 ug/ml
4) T	n-Dodecane (C12)	6.848	2402423	20.175 ug/ml
5) T	A~2-methylnaphthalene...	7.493	2620506	20.098 ug/ml
6) T	n-Tetradecane (C14)	8.685	2427930	19.802 ug/ml
7) T	n-Hexadecane (C16)	10.300	2558698	20.014 ug/ml
8) T	n-Octadecane (C18)	11.750	2706222	20.741 ug/ml
10) T	n-Eicosane (C20)	13.065	2679762	21.357 ug/ml
11) T	n-Heneicosane (C21)	13.679	2670308	21.663 ug/ml
13) T	n-Docosane (C22)	14.268	2696459	22.080 ug/ml
14) T	n-Tetracosane (C24)	15.374	2778777	22.845 ug/ml
15) T	n-Hexacosane (C26)	16.398	2718591	22.722 ug/ml
16) T	n-Octacosane (C28)	17.351	2734239	23.050 ug/ml
17) T	n-Tricontane (C30)	18.241	2860779	23.249 ug/ml
18) T	n-Dotriacontane (C32)	19.074	2907014	23.826 ug/ml
19) T	n-Tetratriacontane (C34)	19.859	2780644	23.783 ug/ml
20) T	n-Hexatriacontane (C36)	20.601	2489833	22.780 ug/ml
21) T	n-Octatriacontane (C38)	21.378	2428553	22.472 ug/ml
22) T	n-Tetracontane (C40)	22.365	2345339	22.427 ug/ml

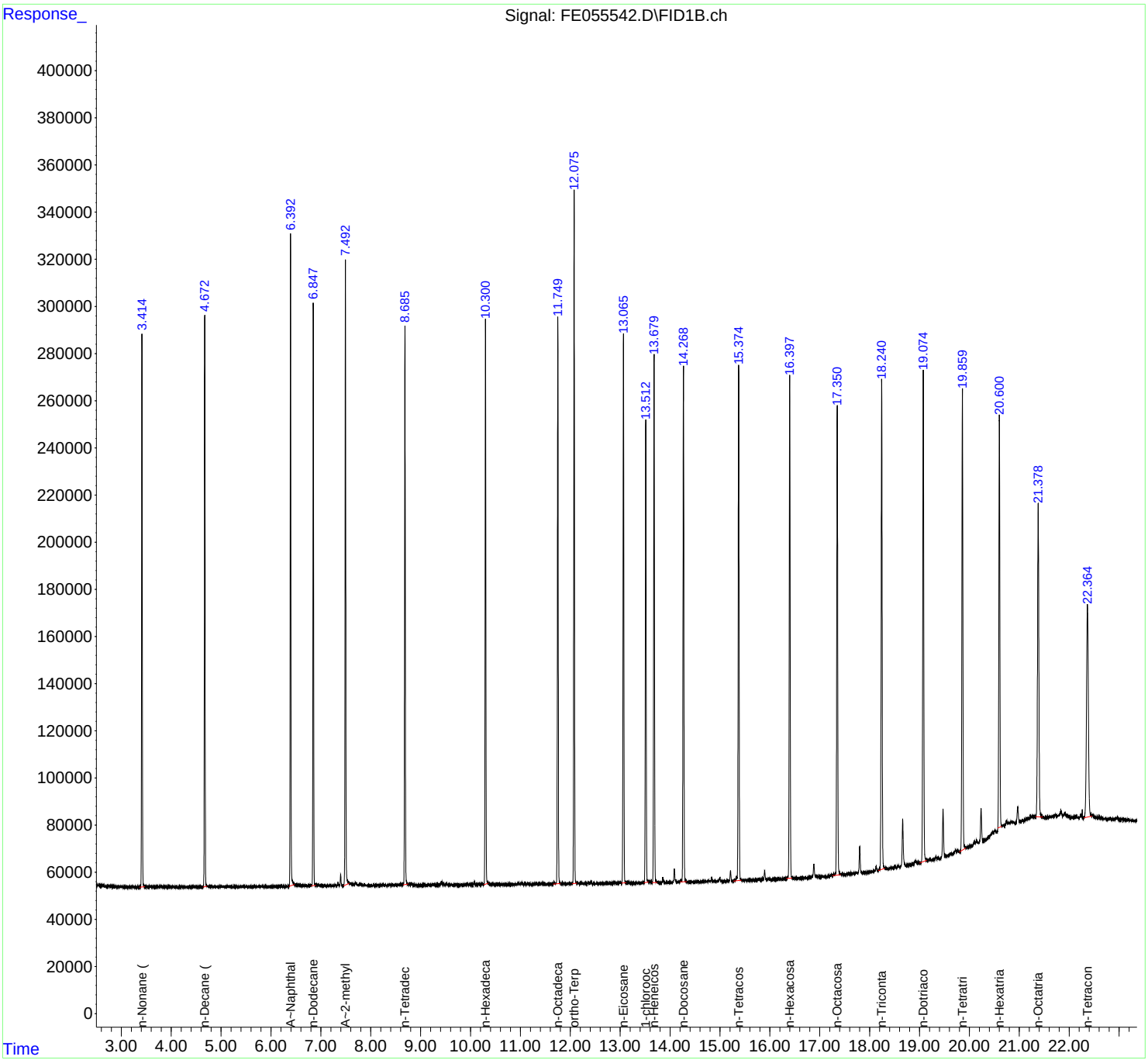
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055542.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 18:59
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 28 01:16:28 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\FE082725AL\
Data File : FE055542.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 18:59
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 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	3.414	3.370	3.470	BB	234404	2339010	76.85%	4.060%
2	4.672	4.640	4.720	BB	242182	2373258	77.97%	4.119%
3	6.392	6.357	6.467	BB	276264	2702085	88.78%	4.690%
4	6.848	6.805	6.899	BB	246641	2402423	78.93%	4.170%
5	7.493	7.454	7.567	BB	264319	2620506	86.10%	4.548%
6	8.685	8.647	8.749	BB	236942	2427930	79.77%	4.214%
7	10.300	10.260	10.354	BB	239372	2558698	84.06%	4.441%
8	11.750	11.654	11.802	BB	240175	2706222	88.91%	4.697%
9	12.076	12.039	12.129	BB	290301	3043715	100.00%	5.283%
10	13.065	13.029	13.115	BB	232202	2679762	88.04%	4.651%
11	13.513	13.475	13.567	BB	195394	2348484	77.16%	4.076%
12	13.679	13.642	13.737	BB	224036	2670308	87.73%	4.635%
13	14.268	14.199	14.330	BB	218737	2696459	88.59%	4.680%
14	15.374	15.275	15.432	BB	217910	2778777	91.30%	4.823%
15	16.398	16.335	16.450	BB	213008	2718591	89.32%	4.719%
16	17.351	17.250	17.422	BB	198774	2734239	89.83%	4.746%
17	18.241	18.174	18.305	BB	207570	2860779	93.99%	4.966%
18	19.074	19.000	19.149	BB	208234	2907014	95.51%	5.046%
19	19.859	19.800	19.929	BB	193943	2780644	91.36%	4.826%
20	20.601	20.570	20.650	BB	174637	2489833	81.80%	4.322%
21	21.378	21.330	21.465	BB	132715	2428553	79.79%	4.215%
22	22.365	22.300	22.460	BB	89785	2345339	77.06%	4.071%
			Sum of corrected areas:			57612629		

Aliphatic EPH 080125.M Thu Aug 28 01:31:36 2025

QC SAMPLE DATA

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

Report of Analysis

Client:	Hero Construction			Date Collected:	
Project:	Residential Soil Testing			Date Received:	
Client Sample ID:	PB169422BL			SDG No.:	Q2928
Lab Sample ID:	PB169422BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_F2
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
08/27/25 09:20	08/27/25 14:55	PB169422

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	FE055535.D
Total EPH	Total EPH	0.91	U		0.91	3.99	mg/kg	

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

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

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

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

Report of Analysis

Client:	Hero Construction		Date Collected:		
Project:	Residential Soil Testing		Date Received:		
Client Sample ID:	PB169422BL		SDG No.:	Q2928	
Lab Sample ID:	PB169422BL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055535.D	1	08/27/25	08/27/25	PB169422

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)		44.7		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		44.1		40 - 140	88%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169422BL	Acq On:	27 Aug 2025 14:55
Client Sample ID:	PB169422BL	Operator:	YP\AJ
Data file:	FE055535.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.949	0	0	300	ug/ml
Aliphatic C12-C16	6.950	10.402	0	0	200	ug/ml
Aliphatic C16-C21	10.403	13.780	0	0	300	ug/ml
Aliphatic C21-C28	13.781	17.453	0	0	400	ug/ml
Aliphatic C28-C40	17.454	22.472	0	0	600	ug/ml
Aliphatic EPH	3.315	22.472	0	0		ug/ml
ortho-Terphenyl (SURR)	12.084	12.084	6293411	44.07		ug/ml
1-chlorooctadecane (SURR)	13.520	13.520	4801910	44.66		ug/ml
Aliphatic C9-C28	3.315	17.453	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055535.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 14:55
Operator : YP\AJ
Sample : PB169422BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 28 01:09:31 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)	12.084	6293411	44.070 ug/ml
Spiked Amount 50.000		Recovery = 88.14%	
12) S 1-chlorooctadecane (S...	13.520	4801910	44.659 ug/ml
Spiked Amount 50.000		Recovery = 89.32%	
Target Compounds			

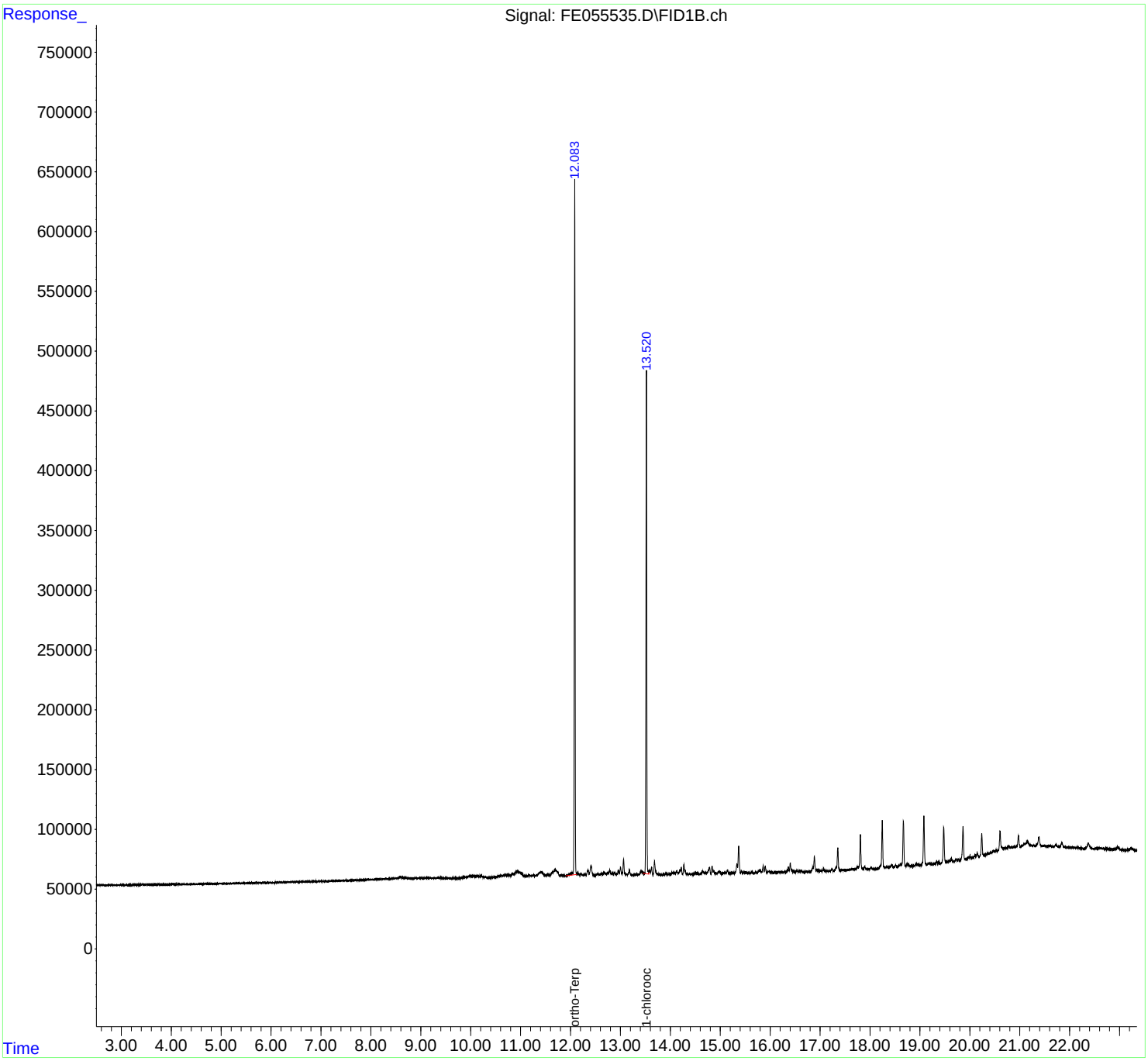
(f)=RT Delta > 1/2 Window (m)=manual int.

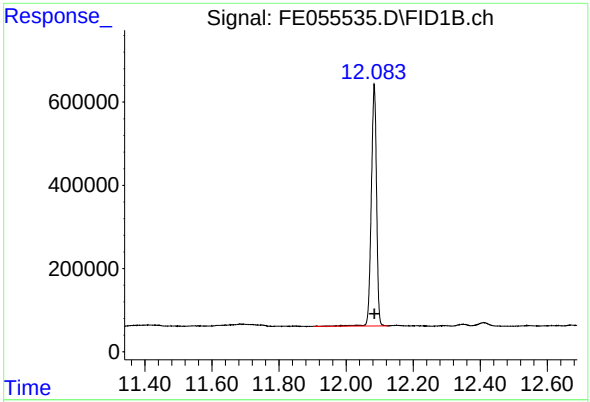
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055535.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 14:55
Operator : YP\AJ
Sample : PB169422BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 28 01:09:31 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

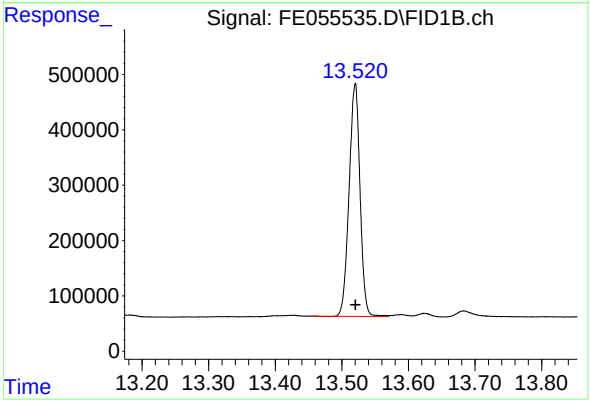
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





#9 ortho-Terphenyl (SURR)

R.T.: 12.084 min
Delta R.T.: 0.000 min
Response: 6293411
Conc: 44.07 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.520 min
Delta R.T.: 0.000 min
Response: 4801910
Conc: 44.66 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055535.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 14:55
Sample : PB169422BL
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	12.084	11.902	12.127	BV	581609	6293411	100.00%	56.721%
2	13.520	13.457	13.570	BV	421739	4801910	76.30%	43.279%

Sum of corrected areas: 11095321

Aliphatic EPH 080125.M Thu Aug 28 01:28:42 2025

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Fax : 908 789 8922

Report of Analysis

Client:	Hero Construction			Date Collected:	
Project:	Residential Soil Testing			Date Received:	
Client Sample ID:	PB169422BS			SDG No.:	Q2928
Lab Sample ID:	PB169422BS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_F2
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
08/27/25 09:20	08/27/25 15:25	PB169422

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	93.2	E	1	0.91	4.00	mg/kg	FE055536.D
Total EPH	Total EPH	93.2			0.91	4.00	mg/kg	

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

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

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

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

Report of Analysis

Client:	Hero Construction		Date Collected:		
Project:	Residential Soil Testing		Date Received:		
Client Sample ID:	PB169422BS		SDG No.:	Q2928	
Lab Sample ID:	PB169422BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055536.D	1	08/27/25	08/27/25	PB169422

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	93.2	E	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.9		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.4		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.3		40 - 140	87%	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:	PB169422BS	Acq On:	27 Aug 2025 15:25
Client Sample ID:	PB169422BS	Operator:	YP\AJ
Data file:	FE055536.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.949	29391442	251.677	300	ug/ml
Aliphatic C12-C16	6.950	10.402	38556758	307.895	200	ug/ml
Aliphatic C16-C21	10.403	13.780	44468164	351.791	300	ug/ml
Aliphatic C21-C28	13.781	17.453	58677543	486.927	400	ug/ml
Aliphatic C28-C40	17.454	22.472	51156630	448.793	600	ug/ml
Aliphatic EPH	3.315	22.472	222250537	1850		ug/ml
ortho-Terphenyl (SURR)	12.081	12.081	6188096	43.33		ug/ml
1-chlorooctadecane (SURR)	13.517	13.517	4878678	45.37		ug/ml
Aliphatic C9-C28	3.315	17.453	171093907	1400	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055536.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 15:25
Operator : YP\AJ
Sample : PB169422BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 28 01:13:51 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)	12.081	6188096	43.333 ug/ml
Spiked Amount	50.000		Recovery =	86.67%
12)	S 1-chlorooctadecane (S...	13.517	4878678	45.373 ug/ml
Spiked Amount	50.000		Recovery =	90.75%
	Target Compounds			
1)	T n-Nonane (C9)	3.429	5176079	45.100 ug/ml
2)	T n-Decane (C10)	4.681	5485689	47.089 ug/ml
3)	T A~Naphthalene (C11.7)	6.396	6644787	49.503 ug/ml
4)	T n-Dodecane (C12)	6.851	5785103	48.581 ug/ml
5)	T A~2-methylnaphthalene...	7.496	6095523	46.751 ug/ml
6)	T n-Tetradecane (C14)	8.689	5975161	48.733 ug/ml
7)	T n-Hexadecane (C16)	10.304	6197395	48.476 ug/ml
8)	T n-Octadecane (C18)	11.754	6227107	47.726 ug/ml
10)	T n-Eicosane (C20)	13.070	6350149	50.610 ug/ml
11)	T n-Heneicosane (C21)	13.684	6106962	49.542 ug/ml
13)	T n-Docosane (C22)	14.271	6022654	49.318 ug/ml
14)	T n-Tetracosane (C24)	15.380	12587237	103.485 ug/ml
15)	T n-Hexacosane (C26)	16.404	5903540	49.342 ug/ml
16)	T n-Octacosane (C28)	17.354	5923335	49.934 ug/ml
17)	T n-Tricontane (C30)	18.246	5970363	48.520 ug/ml
18)	T n-Dotriacontane (C32)	19.079	5919844	48.519 ug/ml
19)	T n-Tetratriacontane (C34)	19.865	5969122	51.053 ug/ml
20)	T n-Hexatriacontane (C36)	20.606	5226091	47.815 ug/ml
21)	T n-Octatriacontane (C38)	21.384	4441404	41.097 ug/ml
22)	T n-Tetracontane (C40)	22.373	3686020	35.248 ug/ml

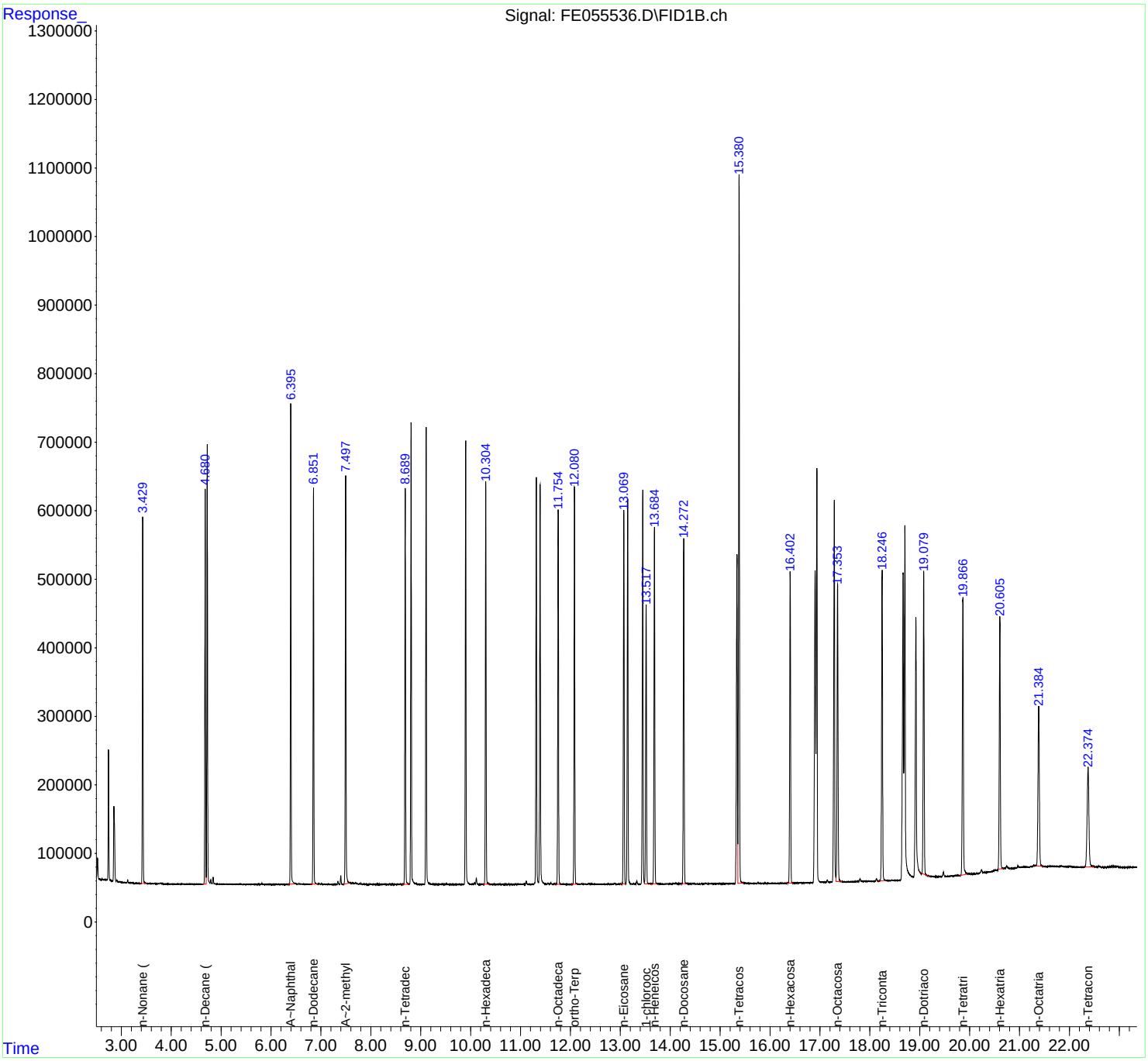
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055536.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 15:25
Operator : YP\AJ
Sample : PB169422BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 28 01:13:51 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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055536.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 15:25
Sample : PB169422BS
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	3.429	3.370	3.510	BB	534457	5176079	41.12%	2.218%
2	4.681	4.620	4.701	BV	575457	5485689	43.58%	2.351%
3	4.722	4.701	4.775	VV	642104	6299784	50.05%	2.700%
4	6.396	6.334	6.489	BB	700116	6644787	52.79%	2.848%
5	6.851	6.795	6.930	BB	580875	5785103	45.96%	2.480%
6	7.496	7.444	7.577	BB	599181	6095523	48.43%	2.613%
7	8.689	8.627	8.775	BB	578916	5975161	47.47%	2.561%
8	8.807	8.777	8.900	BB	671825	6732758	53.49%	2.886%
9	9.108	9.049	9.207	BB	670704	6790408	53.95%	2.910%
10	9.901	9.835	9.994	BB	648647	6765513	53.75%	2.900%
11	10.304	10.240	10.382	BB	586889	6197395	49.24%	2.656%
12	11.317	11.242	11.360	BV	590403	6495000	51.60%	2.784%
13	11.392	11.360	11.470	VBA	583789	6410907	50.93%	2.748%
14	11.754	11.707	11.814	BB	546353	6227107	49.47%	2.669%
15	12.081	12.017	12.139	BB	580615	6188096	49.16%	2.652%
16	13.070	13.010	13.109	BV	542492	6350149	50.45%	2.722%
17	13.148	13.109	13.230	PBA	562281	6412716	50.95%	2.748%
18	13.449	13.379	13.482	BV	569071	6465323	51.36%	2.771%
19	13.517	13.482	13.574	VB	407211	4878678	38.76%	2.091%
20	13.684	13.617	13.742	BB	520270	6106962	48.52%	2.617%
21	14.271	14.214	14.335	BB	505033	6022654	47.85%	2.581%
22	15.337	15.265	15.355	BV	473421	6402547	50.87%	2.744%
23	15.380	15.355	15.469	VB	1036068	12587237	100.00%	5.395%
24	16.404	16.335	16.467	BB	445358	5903540	46.90%	2.530%
25	16.904	16.832	16.920	BV	454303	7260277	57.68%	3.112%
26	16.939	16.920	17.017	VB	604771	7292876	57.94%	3.126%
27	17.288	17.250	17.320	BV	557673	7285077	57.88%	3.122%
28	17.354	17.320	17.440	VB	434097	5923335	47.06%	2.539%
29	18.246	18.174	18.322	BB	449729	5970363	47.43%	2.559%
30	18.665	18.587	18.680	BV	443750	6600176	52.44%	2.829%
31	18.702	18.680	18.864	VV	516129	7605865	60.43%	3.260%

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32	18.923	18.864	19.000	PBA	374471	5737745	45.58%	2.459%
33	19.079	19.012	19.189	BB	438783	5919844	47.03%	2.537%
34	19.865	19.800	19.962	BB	401504	5969122	47.42%	2.558%
35	20.606	20.570	20.677	BB	367371	5226091	41.52%	2.240%
36	21.384	21.330	21.484	BB	233038	4441404	35.28%	1.904%
37	22.373	22.300	22.500	BBA	145935	3686020	29.28%	1.580%

Sum of corrected areas: 233317311

Aliphatic EPH 080125.M Thu Aug 28 01:29:23 2025

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

Report of Analysis

Client:	Hero Construction			Date Collected:	
Project:	Residential Soil Testing			Date Received:	
Client Sample ID:	PB169422BSD			SDG No.:	Q2928
Lab Sample ID:	PB169422BSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_F2
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
08/27/25 09:20	08/27/25 15:56	PB169422

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	92.6	E	1	0.91	3.99	mg/kg	FE055537.D
Total EPH	Total EPH	92.6			0.91	3.99	mg/kg	

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

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

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

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

Report of Analysis

Client:	Hero Construction	Date Collected:	
Project:	Residential Soil Testing	Date Received:	
Client Sample ID:	PB169422BSD	SDG No.:	Q2928
Lab Sample ID:	PB169422BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055537.D	1	08/27/25	08/27/25	PB169422

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		92.6	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		31.7		1.18	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		46.1		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		43.7		40 - 140	87%	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:	PB169422BSD	Acq On:	27 Aug 2025 15:56
Client Sample ID:	PB169422BSD	Operator:	YP\AJ
Data file:	FE055537.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.949	28837604	246.934	300	ug/ml
Aliphatic C12-C16	6.950	10.402	37932086	302.906	200	ug/ml
Aliphatic C16-C21	10.403	13.780	44428926	351.481	300	ug/ml
Aliphatic C21-C28	13.781	17.453	59060715	490.107	400	ug/ml
Aliphatic C28-C40	17.454	22.472	54203385	475.522	600	ug/ml
Aliphatic EPH	3.315	22.472	224462716	1870		ug/ml
ortho-Terphenyl (SURR)	12.080	12.080	6242271	43.71		ug/ml
1-chlorooctadecane (SURR)	13.516	13.516	4952906	46.06		ug/ml
Aliphatic C9-C28	3.315	17.453	170259331	1390	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055537.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 15:56
Operator : YP\AJ
Sample : PB169422BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 28 01:14:27 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)	12.080	6242271	43.712 ug/ml
Spiked Amount	50.000		Recovery =	87.42%
12) S	1-chlorooctadecane (S...	13.516	4952906	46.063 ug/ml
Spiked Amount	50.000		Recovery =	92.13%
	Target Compounds			
1) T	n-Nonane (C9)	3.429	5064877	44.131 ug/ml
2) T	n-Decane (C10)	4.681	5383777	46.214 ug/ml
3) T	A~Naphthalene (C11.7)	6.396	6524243	48.605 ug/ml
4) T	n-Dodecane (C12)	6.851	5678165	47.683 ug/ml
5) T	A~2-methylnaphthalene...	7.496	6000297	46.020 ug/ml
6) T	n-Tetradecane (C14)	8.689	5849323	47.707 ug/ml
7) T	n-Hexadecane (C16)	10.303	6067951	47.464 ug/ml
8) T	n-Octadecane (C18)	11.754	6141978	47.074 ug/ml
10) T	n-Eicosane (C20)	13.069	6319019	50.362 ug/ml
11) T	n-Heneicosane (C21)	13.683	6103901	49.518 ug/ml
13) T	n-Docosane (C22)	14.271	6034999	49.419 ug/ml
14) T	n-Tetracosane (C24)	15.379	12699156	104.405 ug/ml
15) T	n-Hexacosane (C26)	16.403	5946377	49.700 ug/ml
16) T	n-Octacosane (C28)	17.354	5948424	50.145 ug/ml
17) T	n-Tricontane (C30)	18.245	5993219	48.706 ug/ml
18) T	n-Dotriacontane (C32)	19.079	5907585	48.418 ug/ml
19) T	n-Tetratriacontane (C34)	19.864	6085844	52.052 ug/ml
20) T	n-Hexatriacontane (C36)	20.605	5551446	50.791 ug/ml
21) T	n-Octatriacontane (C38)	21.385	5249538	48.575 ug/ml
22) T	n-Tetracontane (C40)	22.372	4734105	45.270 ug/ml

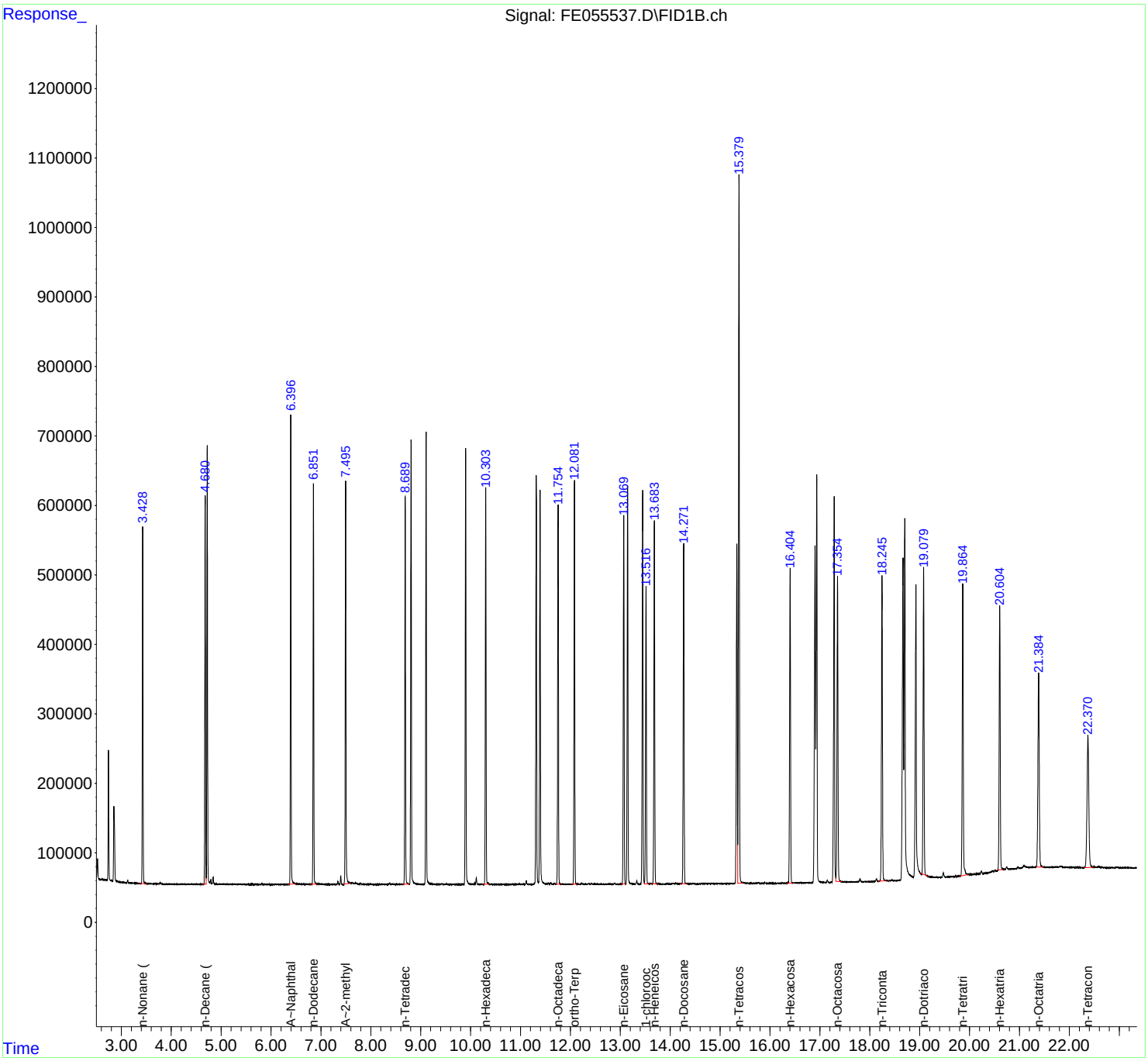
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055537.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 15:56
Operator : YP\AJ
Sample : PB169422BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 28 01:14:27 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



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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055537.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 15:56
Sample : PB169422BSD
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	3.429	3.370	3.497	BB	513990	5064877	39.88%	2.149%
2	4.681	4.620	4.701	BV	558898	5383777	42.39%	2.285%
3	4.722	4.701	4.775	VV	630775	6186542	48.72%	2.625%
4	6.396	6.335	6.493	BB	675440	6524243	51.38%	2.769%
5	6.851	6.788	6.930	BB	576212	5678165	44.71%	2.409%
6	7.496	7.445	7.590	BB	580684	6000297	47.25%	2.546%
7	8.689	8.630	8.773	BV	557274	5849323	46.06%	2.482%
8	8.807	8.773	8.908	PB	640234	6634292	52.24%	2.815%
9	9.108	9.043	9.210	BB	653745	6687813	52.66%	2.838%
10	9.901	9.835	9.988	BB	628597	6692410	52.70%	2.840%
11	10.303	10.240	10.377	BB	570186	6067951	47.78%	2.575%
12	11.316	11.242	11.360	BV	589904	6494673	51.14%	2.756%
13	11.392	11.360	11.470	VBA	566189	6429542	50.63%	2.728%
14	11.754	11.708	11.815	BB	542829	6141978	48.37%	2.606%
15	12.080	12.017	12.133	BB	577746	6242271	49.16%	2.649%
16	13.069	13.008	13.112	BV	526910	6319019	49.76%	2.681%
17	13.147	13.112	13.222	VB	572570	6441265	50.72%	2.733%
18	13.448	13.380	13.482	BV	567192	6498548	51.17%	2.758%
19	13.516	13.482	13.572	VB	428748	4952906	39.00%	2.102%
20	13.683	13.615	13.750	BB	520497	6103901	48.07%	2.590%
21	14.271	14.200	14.333	BB	488723	6034999	47.52%	2.561%
22	15.336	15.265	15.354	BV	487845	6486904	51.08%	2.753%
23	15.379	15.354	15.465	VB	1015218	12699156	100.00%	5.389%
24	16.403	16.335	16.468	BB	450161	5946377	46.82%	2.523%
25	16.903	16.828	16.918	BV	485368	7232851	56.96%	3.069%
26	16.938	16.918	17.018	VB	588164	7396868	58.25%	3.139%
27	17.287	17.250	17.320	BV	550255	7315136	57.60%	3.104%
28	17.354	17.320	17.437	VB	437161	5948424	46.84%	2.524%
29	18.245	18.170	18.332	BB	440188	5993219	47.19%	2.543%
30	18.665	18.588	18.680	BV	462108	6837287	53.84%	2.901%
31	18.701	18.680	18.862	VV	519358	7811196	61.51%	3.315%

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32	18.924	18.862	19.000	PBA	411985	6033165	47.51%	2.560%
33	19.079	19.012	19.177	BB	440813	5907585	46.52%	2.507%
34	19.864	19.800	19.977	BB	418820	6085844	47.92%	2.582%
35	20.605	20.570	20.672	BB	377499	5551446	43.72%	2.356%
36	21.385	21.330	21.490	BB	279391	5249538	41.34%	2.228%
37	22.372	22.300	22.497	BB	188885	4734105	37.28%	2.009%

Sum of corrected areas: 235657895

Aliphatic EPH 080125.M Thu Aug 28 01:30:07 2025

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

Report of Analysis

Client:	Hero Construction			Date Collected:	
Project:	Residential Soil Testing			Date Received:	
Client Sample ID:	27-BELLMS			SDG No.:	Q2928
Lab Sample ID:	Q2928-01MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	85.3
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_F2
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
08/27/25 09:20	08/27/25 16:57	PB169422

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	131	E	1	1.07	4.68	mg/kg	FE055539.D
Total EPH	Total EPH	131			1.07	4.68	mg/kg	

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

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

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

Report of Analysis

Client:	Hero Construction		Date Collected:		
Project:	Residential Soil Testing		Date Received:		
Client Sample ID:	27-BELLMS		SDG No.:	Q2928	
Lab Sample ID:	Q2928-01MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.3	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055539.D	1	08/27/25	08/27/25	PB169422

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	131	E	1.07	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	66.6	E	1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.4		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.8		40 - 140	48%	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:	Q2928-01MS	Acq On:	27 Aug 2025 16:57
Client Sample ID:	27-BELLMS	Operator:	YP\AJ
Data file:	FE055539.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.949	32501105	278.304	300	ug/ml
Aliphatic C12-C16	6.950	10.402	43709353	349.041	200	ug/ml
Aliphatic C16-C21	10.403	13.780	53584789	423.914	300	ug/ml
Aliphatic C21-C28	13.781	17.453	75394229	625.649	400	ug/ml
Aliphatic C28-C40	17.454	22.472	97245656	853.128	600	ug/ml
Aliphatic EPH	3.315	22.472	302435132	2530		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	3401149	23.82		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	3164153	29.43		ug/ml
Aliphatic C9-C28	3.315	17.453	205189476	1680	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055539.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 16:57
Operator : YP\AJ
Sample : Q2928-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 28 01:15:14 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)	12.078	3401149	23.817 ug/ml
Spiked Amount	50.000		Recovery =	47.63%
12) S	1-chlorooctadecane (S...	13.515	3164153	29.427 ug/ml
Spiked Amount	50.000		Recovery =	58.85%
	Target Compounds			
1) T	n-Nonane (C9)	3.430	5527452	48.161 ug/ml
2) T	n-Decane (C10)	4.681	5836296	50.099 ug/ml
3) T	A~Naphthalene (C11.7)	6.396	7134664	53.152 ug/ml
4) T	n-Dodecane (C12)	6.852	6172088	51.831 ug/ml
5) T	A~2-methylnaphthalene...	7.497	6585843	50.511 ug/ml
6) T	n-Tetradecane (C14)	8.690	6385024	52.076 ug/ml
7) T	n-Hexadecane (C16)	10.304	6655348	52.058 ug/ml
8) T	n-Octadecane (C18)	11.753	6626509	50.788 ug/ml
10) T	n-Eicosane (C20)	13.069	6808841	54.266 ug/ml
11) T	n-Heneicosane (C21)	13.683	6531690	52.988 ug/ml
13) T	n-Docosane (C22)	14.272	6338114	51.901 ug/ml
14) T	n-Tetracosane (C24)	15.381	14125721	116.133 ug/ml
15) T	n-Hexacosane (C26)	16.404	6297525	52.635 ug/ml
16) T	n-Octacosane (C28)	17.355	6445151	54.333 ug/ml
17) T	n-Tricontane (C30)	18.247	6559439	53.308 ug/ml
18) T	n-Dotriacontane (C32)	19.079	6589074	54.004 ug/ml
19) T	n-Tetratriacontane (C34)	19.865	6922023	59.203 ug/ml
20) T	n-Hexatriacontane (C36)	20.606	6876714	62.917 ug/ml
21) T	n-Octatriacontane (C38)	21.386	7114700	65.834 ug/ml
22) T	n-Tetracontane (C40)	22.374	6958095	66.537 ug/ml

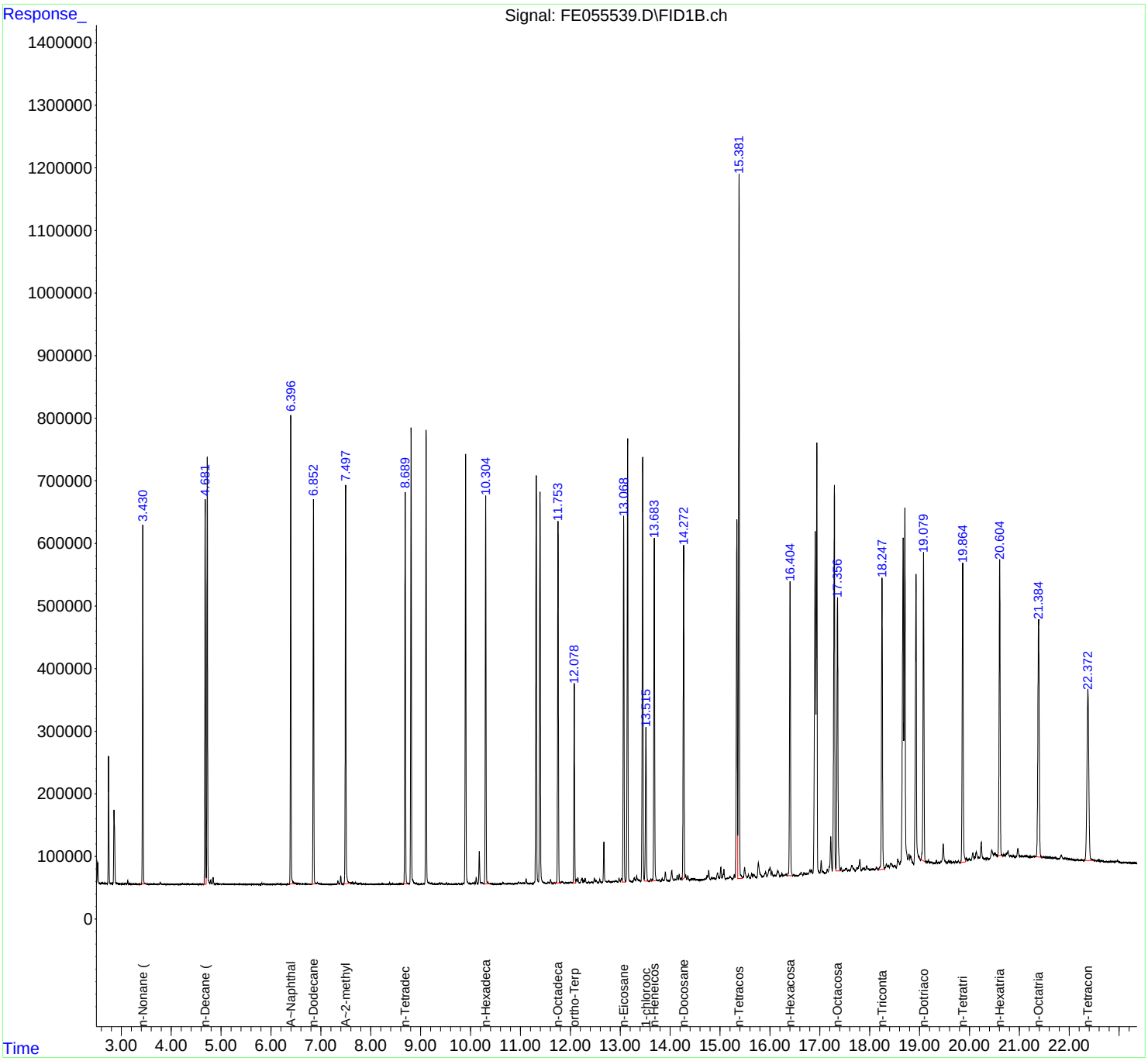
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055539.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 16:57
Operator : YP\AJ
Sample : Q2928-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 28 01:15:14 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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055539.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 16:57
Sample : Q2928-01MS
Misc :
ALS Vial : 15 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	2.855	2.804	2.898	BV	115795	1660702	11.75%	0.534%
2	2.912	2.898	2.981	VV	1613	18444	0.13%	0.006%
3	2.990	2.981	3.001	PV	91	419	0.00%	0.000%
4	3.016	3.001	3.029	VV	304	1802	0.01%	0.001%
5	3.071	3.029	3.103	PV	870	12108	0.09%	0.004%
6	3.129	3.103	3.154	VV	4891	47016	0.33%	0.015%
7	3.171	3.154	3.191	VV	381	4126	0.03%	0.001%
8	3.217	3.191	3.235	VV	351	5190	0.04%	0.002%
9	3.245	3.235	3.259	VV	158	1402	0.01%	0.000%
10	3.304	3.259	3.328	PV	380	6867	0.05%	0.002%
11	3.334	3.328	3.356	VV	164	1513	0.01%	0.000%
12	3.365	3.356	3.401	VV	84	974	0.01%	0.000%
13	3.430	3.401	3.559	VV	573872	5567694	39.41%	1.791%
14	3.576	3.559	3.593	VV	533	6790	0.05%	0.002%
15	3.605	3.593	3.631	VV	248	4966	0.04%	0.002%
16	3.672	3.631	3.693	VV	400	8525	0.06%	0.003%
17	3.714	3.693	3.729	VV	208	2669	0.02%	0.001%
18	3.780	3.729	3.860	VV	2869	46445	0.33%	0.015%
19	3.877	3.860	3.908	VV	261	4353	0.03%	0.001%
20	3.913	3.908	3.971	VV	156	2839	0.02%	0.001%
21	3.979	3.971	4.001	VV	102	1060	0.01%	0.000%
22	4.015	4.001	4.054	VV	426	6265	0.04%	0.002%
23	4.068	4.054	4.094	PV	152	1702	0.01%	0.001%
24	4.116	4.094	4.176	VV	247	5590	0.04%	0.002%
25	4.183	4.176	4.192	VV	31	387	0.00%	0.000%
26	4.217	4.192	4.241	PV	1276	16270	0.12%	0.005%
27	4.260	4.241	4.304	VV	994	20586	0.15%	0.007%
28	4.322	4.304	4.368	VV	491	13033	0.09%	0.004%
29	4.383	4.368	4.394	VV	591	7268	0.05%	0.002%
30	4.409	4.394	4.438	VV	688	13507	0.10%	0.004%
31	4.454	4.438	4.467	VV	546	8374	0.06%	0.003%

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32	4.477	4.467	4.503	VV	433	7770	0.05%	0.002%
33	4.517	4.503	4.553	VV	399	8613	0.06%	0.003%
34	4.576	4.553	4.605	VV	289	7118	0.05%	0.002%
35	4.627	4.605	4.651	VV	346	6654	0.05%	0.002%
36	4.681	4.651	4.701	VV	616788	5848307	41.39%	1.881%
37	4.722	4.701	4.775	VV	679764	6697267	47.40%	2.154%
38	4.793	4.775	4.818	VV	7246	89379	0.63%	0.029%
39	4.840	4.818	4.888	VV	11550	137787	0.98%	0.044%
40	4.912	4.888	4.948	VV	1653	34679	0.25%	0.011%
41	4.963	4.948	4.981	VV	875	14508	0.10%	0.005%
42	4.989	4.981	5.034	VV	777	17533	0.12%	0.006%
43	5.058	5.034	5.081	VV	634	14892	0.11%	0.005%
44	5.095	5.081	5.112	VV	493	8166	0.06%	0.003%
45	5.197	5.112	5.221	VV	525	26320	0.19%	0.008%
46	5.231	5.221	5.248	VV	359	5190	0.04%	0.002%
47	5.265	5.248	5.278	VV	347	5523	0.04%	0.002%
48	5.296	5.278	5.316	VV	458	8621	0.06%	0.003%
49	5.337	5.316	5.363	VV	476	9407	0.07%	0.003%
50	5.387	5.363	5.455	VV	539	18440	0.13%	0.006%
51	5.469	5.455	5.482	VV	392	4607	0.03%	0.001%
52	5.501	5.482	5.544	VV	389	8342	0.06%	0.003%
53	5.563	5.544	5.589	VV	265	4288	0.03%	0.001%
54	5.594	5.589	5.608	VV	191	1670	0.01%	0.001%
55	5.624	5.608	5.681	VV	849	15018	0.11%	0.005%
56	5.693	5.681	5.714	VV	273	3551	0.03%	0.001%
57	5.723	5.714	5.764	VV	164	2870	0.02%	0.001%
58	5.774	5.764	5.784	PV	155	947	0.01%	0.000%
59	5.817	5.784	5.837	VV	2049	21988	0.16%	0.007%
60	5.855	5.837	5.914	VV	1501	25651	0.18%	0.008%
61	5.933	5.914	5.978	VV	385	5787	0.04%	0.002%
62	6.008	5.978	6.044	VV	211	5325	0.04%	0.002%
63	6.062	6.044	6.081	VV	500	6993	0.05%	0.002%
64	6.091	6.081	6.110	VV	254	3767	0.03%	0.001%
65	6.135	6.110	6.162	VV	1222	16327	0.12%	0.005%
66	6.185	6.162	6.221	VV	1170	15465	0.11%	0.005%
67	6.238	6.221	6.251	VV	186	3013	0.02%	0.001%
68	6.257	6.251	6.274	VV	175	2034	0.01%	0.001%
69	6.291	6.274	6.319	VV	241	4210	0.03%	0.001%
70	6.331	6.319	6.343	VV	260	2427	0.02%	0.001%
71	6.356	6.343	6.364	VV	263	2820	0.02%	0.001%
72	6.396	6.364	6.534	VV	753222	7245338	51.28%	2.331%
73	6.556	6.534	6.578	VV	1131	25042	0.18%	0.008%
74	6.589	6.578	6.605	VV	774	11301	0.08%	0.004%
75	6.618	6.605	6.634	VV	754	12096	0.09%	0.004%
76	6.649	6.634	6.668	VV	728	13289	0.09%	0.004%
77	6.689	6.668	6.770	VV	1135	39921	0.28%	0.013%
78	6.782	6.770	6.816	VV	465	11669	0.08%	0.004%
79	6.852	6.816	6.910	VV	612175	6217539	44.00%	2.000%

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80	6.927	6.910	6.987	VV	2547	60826	0.43%	0.020%
81	7.004	6.987	7.120	VV	1197	37905	0.27%	0.012%
82	7.141	7.120	7.160	VV	361	5486	0.04%	0.002%
83	7.185	7.160	7.212	VV	486	7805	0.06%	0.003%
84	7.225	7.212	7.253	VV	256	4708	0.03%	0.002%
85	7.278	7.253	7.314	VV	479	9259	0.07%	0.003%
86	7.341	7.314	7.373	VV	5618	70296	0.50%	0.023%
87	7.399	7.373	7.453	VV	13939	161576	1.14%	0.052%
88	7.497	7.453	7.617	VV	640301	6721962	47.57%	2.162%
89	7.634	7.617	7.674	VV	3721	71516	0.51%	0.023%
90	7.692	7.674	7.709	VV	3080	44973	0.32%	0.014%
91	7.718	7.709	7.751	VV	1837	27553	0.20%	0.009%
92	7.769	7.751	7.783	VV	1464	19425	0.14%	0.006%
93	7.800	7.783	7.832	VV	2484	31267	0.22%	0.010%
94	7.861	7.832	7.882	VV	783	14865	0.11%	0.005%
95	7.892	7.882	7.917	VV	506	6665	0.05%	0.002%
96	7.929	7.917	7.935	VV	162	1640	0.01%	0.001%
97	7.945	7.935	7.961	VV	179	2187	0.02%	0.001%
98	7.981	7.961	8.008	VV	856	11188	0.08%	0.004%
99	8.027	8.008	8.073	VV	337	6970	0.05%	0.002%
100	8.092	8.073	8.124	VV	536	7326	0.05%	0.002%
101	8.135	8.124	8.163	VV	192	2931	0.02%	0.001%
102	8.179	8.163	8.189	VV	220	1769	0.01%	0.001%
103	8.237	8.189	8.248	VV	753	14721	0.10%	0.005%
104	8.261	8.248	8.353	VV	735	20739	0.15%	0.007%
105	8.378	8.353	8.402	VV	2059	25177	0.18%	0.008%
106	8.435	8.402	8.454	VV	1319	20617	0.15%	0.007%
107	8.464	8.454	8.479	VV	393	4180	0.03%	0.001%
108	8.513	8.479	8.534	VV	553	12540	0.09%	0.004%
109	8.545	8.534	8.557	VV	484	5138	0.04%	0.002%
110	8.591	8.557	8.604	VV	839	18546	0.13%	0.006%
111	8.616	8.604	8.633	VV	1016	13278	0.09%	0.004%
112	8.690	8.633	8.771	VV	625782	6443678	45.61%	2.073%
113	8.808	8.771	8.988	VV	729694	7448226	52.71%	2.396%
114	9.013	8.988	9.025	VV	522	9980	0.07%	0.003%
115	9.056	9.025	9.073	VV	948	19358	0.14%	0.006%
116	9.109	9.073	9.208	VV	714337	7325016	51.84%	2.356%
117	9.226	9.208	9.257	VV	1365	25748	0.18%	0.008%
118	9.283	9.257	9.315	VV	582	16156	0.11%	0.005%
119	9.347	9.315	9.360	VV	596	13141	0.09%	0.004%
120	9.381	9.360	9.400	VV	2115	27164	0.19%	0.009%
121	9.421	9.400	9.452	VV	1578	27192	0.19%	0.009%
122	9.471	9.452	9.488	VV	432	7147	0.05%	0.002%
123	9.517	9.488	9.541	VV	2405	31136	0.22%	0.010%
124	9.558	9.541	9.595	VV	713	11410	0.08%	0.004%
125	9.615	9.595	9.650	VV	411	5614	0.04%	0.002%
126	9.675	9.650	9.691	VV	635	7861	0.06%	0.003%

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127	9.706	9.691	9.728	VV	668	7618	0.05%	0.002%
128	9.761	9.728	9.798	PV	1186	17986	0.13%	0.006%
129	9.814	9.798	9.828	VV	707	7778	0.06%	0.003%
130	9.849	9.828	9.867	VV	1498	24924	0.18%	0.008%
131	9.901	9.867	10.009	VV	689026	7284755	51.56%	2.343%
132	10.045	10.009	10.063	VV	2085	39856	0.28%	0.013%
133	10.080	10.063	10.094	VV	2580	31421	0.22%	0.010%
134	10.114	10.094	10.147	VV	10859	132457	0.94%	0.043%
135	10.176	10.147	10.207	VV	52137	591009	4.18%	0.190%
136	10.220	10.207	10.264	VV	2602	53478	0.38%	0.017%
137	10.304	10.264	10.336	VV	620993	6645214	47.03%	2.138%
138	10.345	10.336	10.384	VV	3241	49822	0.35%	0.016%
139	10.403	10.384	10.444	VV	827	18126	0.13%	0.006%
140	10.476	10.444	10.505	VV	325	7595	0.05%	0.002%
141	10.529	10.505	10.552	VV	474	5327	0.04%	0.002%
142	10.589	10.552	10.621	PV	612	9750	0.07%	0.003%
143	10.651	10.621	10.676	VV	2294	29300	0.21%	0.009%
144	10.693	10.676	10.712	VV	593	8883	0.06%	0.003%
145	10.756	10.712	10.771	VV	1050	21830	0.15%	0.007%
146	10.786	10.771	10.809	VV	1327	17178	0.12%	0.006%
147	10.829	10.809	10.860	VV	1073	13497	0.10%	0.004%
148	10.905	10.860	10.934	PV	1030	22970	0.16%	0.007%
149	10.960	10.934	10.987	VV	3176	54278	0.38%	0.017%
150	11.000	10.987	11.028	VV	1373	23725	0.17%	0.008%
151	11.044	11.028	11.058	VV	1647	20415	0.14%	0.007%
152	11.074	11.058	11.088	VV	1631	20365	0.14%	0.007%
153	11.114	11.088	11.168	VV	7816	108809	0.77%	0.035%
154	11.208	11.168	11.226	VV	758	15946	0.11%	0.005%
155	11.316	11.226	11.361	VV	664135	7327480	51.86%	2.357%
156	11.392	11.361	11.533	VV	616822	7107548	50.30%	2.286%
157	11.555	11.533	11.581	VV	2470	36210	0.26%	0.012%
158	11.603	11.581	11.649	VV	6287	86119	0.61%	0.028%
159	11.680	11.649	11.698	VV	1027	15407	0.11%	0.005%
160	11.753	11.698	11.808	VV	575122	6666044	47.18%	2.144%
161	11.844	11.808	11.889	VV	2762	65451	0.46%	0.021%
162	11.913	11.889	11.933	VV	1291	15980	0.11%	0.005%
163	11.968	11.933	11.983	VV	846	17802	0.13%	0.006%
164	12.009	11.983	12.038	VV	1891	31617	0.22%	0.010%
165	12.078	12.038	12.105	VV	319963	3412592	24.15%	1.098%
166	12.119	12.105	12.134	VV	6771	81117	0.57%	0.026%
167	12.151	12.134	12.193	VV	8974	117072	0.83%	0.038%
168	12.235	12.193	12.254	VV	8316	151549	1.07%	0.049%
169	12.269	12.254	12.283	VV	5431	63833	0.45%	0.021%
170	12.300	12.283	12.329	VV	7083	89335	0.63%	0.029%
171	12.368	12.329	12.394	PV	1534	28736	0.20%	0.009%
172	12.423	12.394	12.457	VV	1375	34556	0.24%	0.011%
173	12.481	12.457	12.500	VV	7468	95520	0.68%	0.031%
174	12.516	12.500	12.567	VV	4388	67677	0.48%	0.022%

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175	12.590	12.567	12.638	VV	5220	71353	0.51%	0.023%
176	12.672	12.638	12.746	VV	64501	775122	5.49%	0.249%
177	12.765	12.746	12.814	VV	2433	57287	0.41%	0.018%
178	12.842	12.814	12.851	VV	1191	19949	0.14%	0.006%
179	12.864	12.851	12.875	VV	1327	16390	0.12%	0.005%
180	12.912	12.875	12.949	VV	2398	63305	0.45%	0.020%
181	12.976	12.949	13.001	VV	6665	90129	0.64%	0.029%
182	13.024	13.001	13.037	VV	5992	81477	0.58%	0.026%
183	13.069	13.037	13.109	VV	580834	6818957	48.26%	2.194%
184	13.148	13.109	13.225	VV	704205	8167285	57.80%	2.627%
185	13.240	13.225	13.253	VV	975	10241	0.07%	0.003%
186	13.280	13.253	13.310	VV	6085	108889	0.77%	0.035%
187	13.330	13.310	13.371	VV	8963	160295	1.13%	0.052%
188	13.384	13.371	13.411	VV	1953	35083	0.25%	0.011%
189	13.451	13.411	13.480	VV	673682	7930520	56.13%	2.551%
190	13.515	13.480	13.569	VV	244609	3201559	22.66%	1.030%
191	13.615	13.569	13.632	VV	4059	63469	0.45%	0.020%
192	13.683	13.632	13.734	VV	552253	6592594	46.66%	2.121%
193	13.745	13.734	13.760	VV	2078	25397	0.18%	0.008%
194	13.782	13.760	13.812	VV	2282	42944	0.30%	0.014%
195	13.841	13.812	13.878	VV	4021	68057	0.48%	0.022%
196	13.905	13.878	13.981	VV	14513	223300	1.58%	0.072%
197	14.033	13.981	14.076	VV	16907	309489	2.19%	0.100%
198	14.102	14.076	14.120	VV	3117	52153	0.37%	0.017%
199	14.142	14.120	14.163	VV	8587	120819	0.86%	0.039%
200	14.183	14.163	14.205	VV	9610	131570	0.93%	0.042%
201	14.221	14.205	14.236	VV	4357	56670	0.40%	0.018%
202	14.272	14.236	14.301	VV	521582	6474598	45.82%	2.083%
203	14.313	14.301	14.336	VV	8439	114531	0.81%	0.037%
204	14.354	14.336	14.393	VV	7754	111699	0.79%	0.036%
205	14.428	14.393	14.444	VV	3041	52486	0.37%	0.017%
206	14.460	14.444	14.478	VV	2459	38749	0.27%	0.012%
207	14.493	14.478	14.531	VV	1966	43743	0.31%	0.014%
208	14.538	14.531	14.553	VV	1185	12028	0.09%	0.004%
209	14.563	14.553	14.581	VV	839	10460	0.07%	0.003%
210	14.595	14.581	14.607	VV	583	6960	0.05%	0.002%
211	14.625	14.607	14.653	VV	987	14585	0.10%	0.005%
212	14.677	14.653	14.690	PV	1347	18834	0.13%	0.006%
213	14.743	14.690	14.755	VV	6489	127394	0.90%	0.041%
214	14.774	14.755	14.811	VV	15142	206893	1.46%	0.067%
215	14.837	14.811	14.858	VV	3957	66127	0.47%	0.021%
216	14.873	14.858	14.889	VV	2834	43453	0.31%	0.014%
217	14.898	14.889	14.918	VV	1943	26665	0.19%	0.009%
218	14.950	14.918	14.990	VV	10820	225348	1.59%	0.072%
219	15.015	14.990	15.040	VV	19436	271046	1.92%	0.087%
220	15.077	15.040	15.113	VV	16159	280689	1.99%	0.090%
221	15.140	15.113	15.158	VV	1752	30604	0.22%	0.010%

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222	15.200	15.158	15.257	VV	4385	105587	0.75%	0.034%
223	15.284	15.257	15.299	VV	6686	82624	0.58%	0.027%
224	15.338	15.299	15.356	VV	572679	7708429	54.56%	2.480%
225	15.381	15.356	15.448	VV	1130143	14129320	100.00%	4.545%
226	15.493	15.448	15.544	VV	17465	360399	2.55%	0.116%
227	15.570	15.544	15.605	VV	5042	90339	0.64%	0.029%
228	15.633	15.605	15.656	PV	6796	111702	0.79%	0.036%
229	15.674	15.656	15.734	VV	5948	142571	1.01%	0.046%
230	15.768	15.734	15.842	VV	23831	576939	4.08%	0.186%
231	15.916	15.842	15.938	VV	8600	220988	1.56%	0.071%
232	16.003	15.938	16.024	VV	16248	428802	3.03%	0.138%
233	16.041	16.024	16.071	VV	8847	133945	0.95%	0.043%
234	16.091	16.071	16.108	VV	3325	53034	0.38%	0.017%
235	16.162	16.108	16.201	VV	9629	282261	2.00%	0.091%
236	16.242	16.201	16.261	VV	5043	92420	0.65%	0.030%
237	16.272	16.261	16.282	VV	1935	22377	0.16%	0.007%
238	16.324	16.282	16.344	VV	4221	89554	0.63%	0.029%
239	16.404	16.344	16.456	VV	470499	6365169	45.05%	2.048%
240	16.474	16.456	16.521	VV	2004	41908	0.30%	0.013%
241	16.535	16.521	16.551	VV	1036	9803	0.07%	0.003%
242	16.627	16.551	16.661	VV	5558	135772	0.96%	0.044%
243	16.681	16.661	16.698	VV	5211	68263	0.48%	0.022%
244	16.710	16.698	16.726	VV	2958	40323	0.29%	0.013%
245	16.746	16.726	16.766	VV	2811	57217	0.40%	0.018%
246	16.803	16.766	16.821	VV	7633	172636	1.22%	0.056%
247	16.837	16.821	16.859	VV	8129	133075	0.94%	0.043%
248	16.908	16.859	16.924	VV	539406	9084885	64.30%	2.923%
249	16.941	16.924	17.002	VV	689813	8104909	57.36%	2.607%
250	17.028	17.002	17.050	VV	22801	312314	2.21%	0.100%
251	17.061	17.050	17.105	VV	5611	127705	0.90%	0.041%
252	17.121	17.105	17.130	VV	3163	42049	0.30%	0.014%
253	17.150	17.130	17.167	VV	8614	127952	0.91%	0.041%
254	17.221	17.167	17.250	VV	59738	1070470	7.58%	0.344%
255	17.292	17.250	17.320	VV	616604	8799234	62.28%	2.831%
256	17.355	17.320	17.409	VV	440521	6702614	47.44%	2.156%
257	17.428	17.409	17.454	VV	9475	184746	1.31%	0.059%
258	17.479	17.454	17.486	VV	5789	90219	0.64%	0.029%
259	17.531	17.486	17.561	VV	8052	287278	2.03%	0.092%
260	17.578	17.561	17.598	VV	5357	105023	0.74%	0.034%
261	17.640	17.598	17.718	VV	12363	526186	3.72%	0.169%
262	17.743	17.718	17.758	VV	8559	162425	1.15%	0.052%
263	17.803	17.758	17.840	VV	21748	529864	3.75%	0.170%
264	17.865	17.840	17.878	VV	7754	133091	0.94%	0.043%
265	17.892	17.878	17.914	VV	7329	130149	0.92%	0.042%
266	17.940	17.914	18.004	VV	11059	341150	2.41%	0.110%
267	18.037	18.004	18.048	VV	5366	114173	0.81%	0.037%
268	18.079	18.048	18.106	VV	5359	161021	1.14%	0.052%
269	18.135	18.106	18.168	VV	7108	196358	1.39%	0.063%

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270	18.247	18.168	18.300	VV	470893	6866041	48.59%	2.209%
271	18.335	18.300	18.356	VV	12170	285902	2.02%	0.092%
272	18.377	18.356	18.394	VV	9635	187928	1.33%	0.060%
273	18.424	18.394	18.470	VV	12692	450553	3.19%	0.145%
274	18.509	18.470	18.532	VV	8637	286615	2.03%	0.092%
275	18.563	18.532	18.601	VV	18621	535489	3.79%	0.172%
276	18.670	18.601	18.685	VV	533653	9029119	63.90%	2.905%
277	18.705	18.685	18.766	VV	578248	8509481	60.23%	2.737%
278	18.788	18.766	18.805	VV	26191	505747	3.58%	0.163%
279	18.821	18.805	18.881	VV	23073	742462	5.25%	0.239%
280	18.928	18.881	19.023	VV	470673	8168106	57.81%	2.628%
281	19.079	19.023	19.123	VV	498352	7465293	52.84%	2.402%
282	19.137	19.123	19.152	VV	13074	213959	1.51%	0.069%
283	19.178	19.152	19.203	VV	14252	374951	2.65%	0.121%
284	19.216	19.203	19.230	VV	11561	183593	1.30%	0.059%
285	19.244	19.230	19.281	VV	11870	317204	2.25%	0.102%
286	19.293	19.281	19.308	VV	9627	154756	1.10%	0.050%
287	19.340	19.308	19.362	VV	12497	344365	2.44%	0.111%
288	19.381	19.362	19.404	VV	10600	250812	1.78%	0.081%
289	19.426	19.404	19.434	VV	11490	186699	1.32%	0.060%
290	19.474	19.434	19.560	VV	39288	1258189	8.90%	0.405%
291	19.582	19.560	19.601	VV	11724	269665	1.91%	0.087%
292	19.623	19.601	19.651	VV	11426	314134	2.22%	0.101%
293	19.682	19.651	19.697	VV	10298	270598	1.92%	0.087%
294	19.719	19.697	19.743	VV	10629	265661	1.88%	0.085%
295	19.779	19.743	19.820	VV	11257	443954	3.14%	0.143%
296	19.865	19.820	19.918	VV	485322	7458545	52.79%	2.399%
297	19.935	19.918	19.958	VV	15549	333444	2.36%	0.107%
298	20.000	19.958	20.031	VV	14634	562921	3.98%	0.181%
299	20.067	20.031	20.102	VV	23353	723174	5.12%	0.233%
300	20.138	20.102	20.174	VV	24272	798142	5.65%	0.257%
301	20.186	20.174	20.203	VV	15373	267696	1.89%	0.086%
302	20.236	20.203	20.309	VV	38283	1233912	8.73%	0.397%
303	20.322	20.309	20.338	VV	12887	222713	1.58%	0.072%
304	20.350	20.338	20.382	VV	14254	345915	2.45%	0.111%
305	20.448	20.382	20.481	VV	25876	1067571	7.56%	0.343%
306	20.512	20.481	20.563	VV	20951	909555	6.44%	0.293%
307	20.606	20.563	20.670	VV	494849	7955345	56.30%	2.559%
308	20.685	20.670	20.705	VV	17078	344950	2.44%	0.111%
309	20.742	20.705	20.755	VV	19795	539049	3.82%	0.173%
310	20.774	20.755	20.811	VV	23190	642422	4.55%	0.207%
311	20.830	20.811	20.855	VV	15715	401636	2.84%	0.129%
312	20.879	20.855	20.905	VV	15316	429926	3.04%	0.138%
313	20.970	20.905	21.015	VV	26542	1109113	7.85%	0.357%
314	21.052	21.015	21.061	VV	14247	387474	2.74%	0.125%
315	21.068	21.061	21.124	VV	14108	520098	3.68%	0.167%
316	21.131	21.124	21.142	VV	14044	147210	1.04%	0.047%

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317	21.147	21.142	21.198	VV	13697	430336	3.05%	0.138%
318	21.221	21.198	21.258	VV	12777	446738	3.16%	0.144%
319	21.285	21.258	21.301	VV	13081	322123	2.28%	0.104%
320	21.307	21.301	21.325	VV	12799	177752	1.26%	0.057%
321	21.386	21.325	21.460	VV	392562	8036177	56.88%	2.585%
322	21.490	21.460	21.519	VV	11058	377468	2.67%	0.121%
323	21.536	21.519	21.598	VV	10484	472972	3.35%	0.152%
324	21.614	21.598	21.644	VV	9941	266711	1.89%	0.086%
325	21.655	21.644	21.694	VV	9258	268971	1.90%	0.087%
326	21.719	21.694	21.768	VV	9166	364550	2.58%	0.117%
327	21.779	21.768	21.789	VV	7432	90371	0.64%	0.029%
328	21.840	21.789	21.891	VV	12788	540975	3.83%	0.174%
329	21.927	21.891	21.958	VV	7499	280867	1.99%	0.090%
330	21.967	21.958	22.028	VV	6611	250389	1.77%	0.081%
331	22.035	22.028	22.064	VV	5522	113568	0.80%	0.037%
332	22.074	22.064	22.147	VV	4914	204705	1.45%	0.066%
333	22.174	22.147	22.215	VV	4081	143811	1.02%	0.046%
334	22.225	22.215	22.230	VV	3148	29004	0.21%	0.009%
335	22.241	22.230	22.251	VV	3328	40061	0.28%	0.013%
336	22.262	22.251	22.292	VV	3415	68771	0.49%	0.022%
337	22.374	22.292	22.548	VV	272187	7260312	51.38%	2.336%
338	22.585	22.548	22.641	VV	1339	49418	0.35%	0.016%

Sum of corrected areas: 310856791

Aliphatic EPH 080125.M Thu Aug 28 01:43:57 2025

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

Report of Analysis

Client:	Hero Construction			Date Collected:	
Project:	Residential Soil Testing			Date Received:	
Client Sample ID:	27-BELLMSD			SDG No.:	Q2928
Lab Sample ID:	Q2928-01MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	85.3
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_F2
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
08/27/25 09:20	08/27/25 17:27	PB169422

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	131	E	1	1.06	4.68	mg/kg	FE055540.D
Total EPH	Total EPH	131			1.06	4.68	mg/kg	

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

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

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

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

Report of Analysis

Client:	Hero Construction		Date Collected:		
Project:	Residential Soil Testing		Date Received:		
Client Sample ID:	27-BELLMSD		SDG No.:	Q2928	
Lab Sample ID:	Q2928-01MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	85.3	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055540.D	1	08/27/25	08/27/25	PB169422

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	131	E	1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	66.7	E	1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.5		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.1		40 - 140	44%	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:	Q2928-01MSD	Acq On:	27 Aug 2025 17:27
Client Sample ID:	27-BELLMSD	Operator:	YP\AJ
Data file:	FE055540.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	3.315	6.949	33341010	285.496	300	ug/ml
Aliphatic C12-C16	6.950	10.402	44075705	351.966	200	ug/ml
Aliphatic C16-C21	10.403	13.780	53456272	422.897	300	ug/ml
Aliphatic C21-C28	13.781	17.453	75024310	622.579	400	ug/ml
Aliphatic C28-C40	17.454	22.472	97479567	855.18	600	ug/ml
Aliphatic EPH	3.315	22.472	303376864	2540		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	3152344	22.07		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	2954624	27.48		ug/ml
Aliphatic C9-C28	3.315	17.453	205897297	1680	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055540.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 17:27
Operator : YP\AJ
Sample : Q2928-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 28 01:15:42 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

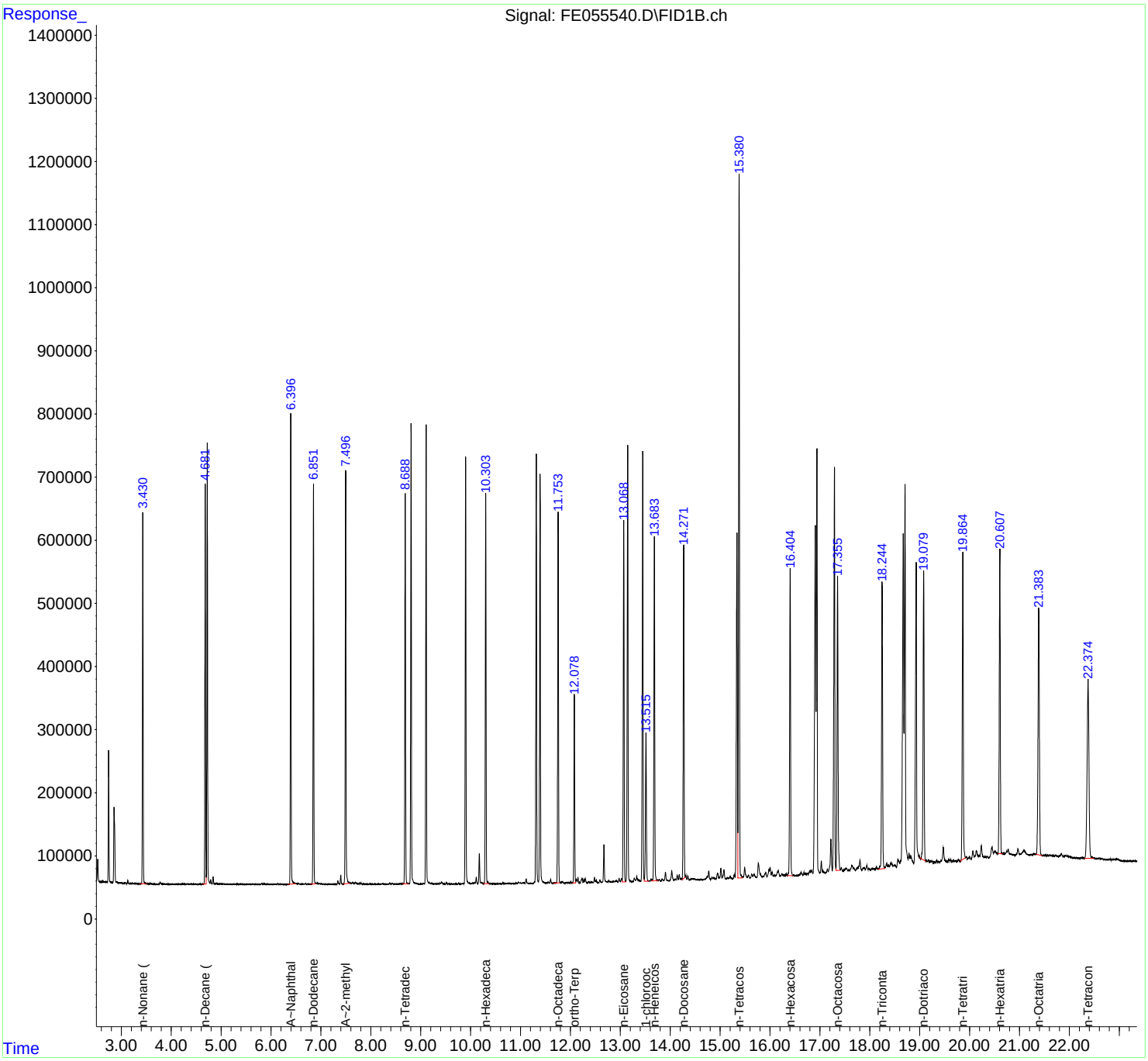
	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	12.078	3152344	22.075 ug/ml
Spiked Amount	50.000		Recovery =	44.15%
12)	S 1-chlorooctadecane (S...	13.515	2954624	27.479 ug/ml
Spiked Amount	50.000		Recovery =	54.96%
	Target Compounds			
1)	T n-Nonane (C9)	3.431	5709682	49.749 ug/ml
2)	T n-Decane (C10)	4.681	6003199	51.531 ug/ml
3)	T A~Naphthalene (C11.7)	6.396	7277173	54.214 ug/ml
4)	T n-Dodecane (C12)	6.851	6305137	52.948 ug/ml
5)	T A~2-methylnaphthalene...	7.496	6671349	51.167 ug/ml
6)	T n-Tetradecane (C14)	8.689	6473378	52.796 ug/ml
7)	T n-Hexadecane (C16)	10.303	6692750	52.351 ug/ml
8)	T n-Octadecane (C18)	11.753	6644724	50.927 ug/ml
10)	T n-Eicosane (C20)	13.069	6825782	54.401 ug/ml
11)	T n-Heneicosane (C21)	13.683	6563798	53.248 ug/ml
13)	T n-Docosane (C22)	14.271	6377486	52.223 ug/ml
14)	T n-Tetracosane (C24)	15.380	14147182	116.310 ug/ml
15)	T n-Hexacosane (C26)	16.404	6347335	53.051 ug/ml
16)	T n-Octacosane (C28)	17.355	6443084	54.315 ug/ml
17)	T n-Tricontane (C30)	18.246	6562239	53.331 ug/ml
18)	T n-Dotriacontane (C32)	19.079	6570864	53.855 ug/ml
19)	T n-Tetratriacontane (C34)	19.865	6809111	58.238 ug/ml
20)	T n-Hexatriacontane (C36)	20.606	6933440	63.436 ug/ml
21)	T n-Octatriacontane (C38)	21.384	7259484	67.173 ug/ml
22)	T n-Tetracontane (C40)	22.374	7244552	69.277 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082725AL\
Data File : FE055540.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 17:27
Operator : YP\AJ
Sample : Q2928-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Aug 28 01:15:42 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\FE082725AL\
Data File : FE055540.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 17:27
Sample : Q2928-01MSD
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	2.855	2.804	2.901	BV	118783	1707120	12.03%	0.548%
2	2.913	2.901	3.000	VV	1728	21392	0.15%	0.007%
3	3.014	3.000	3.032	VV	219	2366	0.02%	0.001%
4	3.073	3.032	3.105	PV	822	12458	0.09%	0.004%
5	3.130	3.105	3.158	VV	5096	47895	0.34%	0.015%
6	3.170	3.158	3.191	VV	335	3128	0.02%	0.001%
7	3.211	3.191	3.277	PV	248	6090	0.04%	0.002%
8	3.302	3.277	3.362	VV	416	7803	0.05%	0.003%
9	3.371	3.362	3.386	PV	65	710	0.01%	0.000%
10	3.431	3.386	3.554	PV	588557	5735309	40.41%	1.842%
11	3.578	3.554	3.626	VV	488	10692	0.08%	0.003%
12	3.642	3.626	3.655	VV	280	3370	0.02%	0.001%
13	3.668	3.655	3.697	VV	220	3745	0.03%	0.001%
14	3.716	3.697	3.731	VV	226	1907	0.01%	0.001%
15	3.780	3.731	3.860	VV	2819	47635	0.34%	0.015%
16	3.879	3.860	3.951	VV	278	7489	0.05%	0.002%
17	3.959	3.951	3.981	VV	99	1409	0.01%	0.000%
18	4.017	3.981	4.055	PV	496	8814	0.06%	0.003%
19	4.071	4.055	4.098	VV	164	2191	0.02%	0.001%
20	4.115	4.098	4.174	VV	287	6543	0.05%	0.002%
21	4.177	4.174	4.191	VV	124	617	0.00%	0.000%
22	4.217	4.191	4.241	PV	1261	16776	0.12%	0.005%
23	4.259	4.241	4.301	VV	1068	20530	0.14%	0.007%
24	4.330	4.301	4.358	VV	492	11978	0.08%	0.004%
25	4.384	4.358	4.393	VV	507	7745	0.05%	0.002%
26	4.407	4.393	4.437	VV	719	13495	0.10%	0.004%
27	4.451	4.437	4.511	VV	572	17602	0.12%	0.006%
28	4.521	4.511	4.551	VV	381	6856	0.05%	0.002%
29	4.559	4.551	4.568	VV	272	2367	0.02%	0.001%
30	4.577	4.568	4.605	VV	348	6535	0.05%	0.002%
31	4.616	4.605	4.644	VV	303	6801	0.05%	0.002%

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32	4.681	4.644	4.701	VV	633924	6015837	42.39%	1.932%
33	4.722	4.701	4.774	VV	695910	6860077	48.34%	2.203%
34	4.792	4.774	4.818	VV	7434	94264	0.66%	0.030%
35	4.840	4.818	4.892	VV	11822	144672	1.02%	0.046%
36	4.912	4.892	4.954	VV	1685	37665	0.27%	0.012%
37	4.962	4.954	4.980	VV	867	11999	0.08%	0.004%
38	4.991	4.980	5.018	VV	822	14978	0.11%	0.005%
39	5.055	5.018	5.084	VV	702	22345	0.16%	0.007%
40	5.095	5.084	5.113	VV	571	8050	0.06%	0.003%
41	5.134	5.113	5.178	VV	458	16103	0.11%	0.005%
42	5.185	5.178	5.224	VV	449	11535	0.08%	0.004%
43	5.230	5.224	5.278	VV	402	11004	0.08%	0.004%
44	5.299	5.278	5.322	VV	453	10592	0.07%	0.003%
45	5.336	5.322	5.364	VV	564	10486	0.07%	0.003%
46	5.385	5.364	5.421	VV	646	15242	0.11%	0.005%
47	5.434	5.421	5.454	VV	430	6467	0.05%	0.002%
48	5.469	5.454	5.478	VV	407	4782	0.03%	0.002%
49	5.498	5.478	5.524	VV	427	8625	0.06%	0.003%
50	5.529	5.524	5.545	VV	274	2682	0.02%	0.001%
51	5.563	5.545	5.608	VV	299	8267	0.06%	0.003%
52	5.623	5.608	5.675	VV	883	16025	0.11%	0.005%
53	5.688	5.675	5.721	VV	266	6007	0.04%	0.002%
54	5.728	5.721	5.738	VV	222	1795	0.01%	0.001%
55	5.756	5.738	5.781	VV	258	4745	0.03%	0.002%
56	5.816	5.781	5.836	VV	2229	25693	0.18%	0.008%
57	5.854	5.836	5.916	VV	1627	28175	0.20%	0.009%
58	5.933	5.916	5.971	VV	540	9473	0.07%	0.003%
59	6.011	5.971	6.037	VV	294	8395	0.06%	0.003%
60	6.061	6.037	6.078	VV	616	9562	0.07%	0.003%
61	6.092	6.078	6.114	VV	425	7865	0.06%	0.003%
62	6.134	6.114	6.163	VV	1268	18679	0.13%	0.006%
63	6.184	6.163	6.218	VV	1246	18382	0.13%	0.006%
64	6.233	6.218	6.245	VV	269	3308	0.02%	0.001%
65	6.252	6.245	6.268	PV	116	991	0.01%	0.000%
66	6.292	6.268	6.321	VV	401	8218	0.06%	0.003%
67	6.332	6.321	6.340	VV	392	3436	0.02%	0.001%
68	6.354	6.340	6.368	VV	466	6349	0.04%	0.002%
69	6.396	6.368	6.530	VV	742525	7368576	51.92%	2.367%
70	6.556	6.530	6.604	VV	1181	39302	0.28%	0.013%
71	6.624	6.604	6.635	VV	794	13541	0.10%	0.004%
72	6.650	6.635	6.660	VV	733	10357	0.07%	0.003%
73	6.689	6.660	6.732	VV	1222	34068	0.24%	0.011%
74	6.743	6.732	6.815	VV	637	26409	0.19%	0.008%
75	6.851	6.815	6.910	VV	631294	6355557	44.78%	2.041%
76	6.926	6.910	6.982	VV	2528	59314	0.42%	0.019%
77	7.003	6.982	7.124	VV	1176	44914	0.32%	0.014%
78	7.141	7.124	7.164	VV	406	7783	0.05%	0.002%
79	7.182	7.164	7.211	VV	469	9339	0.07%	0.003%

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80	7.223	7.211	7.235	VV	359	3915	0.03%	0.001%
81	7.242	7.235	7.251	VV	290	2233	0.02%	0.001%
82	7.278	7.251	7.307	VV	496	10984	0.08%	0.004%
83	7.341	7.307	7.372	VV	5653	73668	0.52%	0.024%
84	7.398	7.372	7.449	VV	14400	164272	1.16%	0.053%
85	7.496	7.449	7.615	VV	657414	6807959	47.97%	2.187%
86	7.634	7.615	7.671	VV	3694	70608	0.50%	0.023%
87	7.692	7.671	7.708	VV	3180	46515	0.33%	0.015%
88	7.717	7.708	7.745	VV	1907	26458	0.19%	0.008%
89	7.768	7.745	7.783	VV	1509	22552	0.16%	0.007%
90	7.800	7.783	7.829	VV	2477	30756	0.22%	0.010%
91	7.859	7.829	7.884	VV	678	15945	0.11%	0.005%
92	7.893	7.884	7.914	VV	508	6033	0.04%	0.002%
93	7.927	7.914	7.934	VV	171	1770	0.01%	0.001%
94	7.945	7.934	7.953	VV	244	2092	0.01%	0.001%
95	7.980	7.953	8.011	VV	850	13047	0.09%	0.004%
96	8.031	8.011	8.074	VV	326	6768	0.05%	0.002%
97	8.093	8.074	8.120	VV	410	6320	0.04%	0.002%
98	8.140	8.120	8.179	VV	216	4334	0.03%	0.001%
99	8.232	8.179	8.246	VV	767	16020	0.11%	0.005%
100	8.261	8.246	8.279	VV	835	11997	0.08%	0.004%
101	8.287	8.279	8.353	VV	346	9782	0.07%	0.003%
102	8.378	8.353	8.408	VV	2049	26028	0.18%	0.008%
103	8.434	8.408	8.453	VV	1330	18547	0.13%	0.006%
104	8.464	8.453	8.481	VV	372	3986	0.03%	0.001%
105	8.517	8.481	8.533	VV	499	11649	0.08%	0.004%
106	8.546	8.533	8.556	VV	397	5078	0.04%	0.002%
107	8.581	8.556	8.601	VV	785	17000	0.12%	0.005%
108	8.615	8.601	8.632	VV	901	13475	0.09%	0.004%
109	8.689	8.632	8.764	VV	618636	6529711	46.01%	2.097%
110	8.807	8.764	8.987	VV	732150	7499140	52.84%	2.409%
111	9.014	8.987	9.022	VV	593	9870	0.07%	0.003%
112	9.057	9.022	9.073	VV	1046	21251	0.15%	0.007%
113	9.108	9.073	9.209	VV	717514	7377061	51.98%	2.369%
114	9.225	9.209	9.266	VV	1278	26703	0.19%	0.009%
115	9.277	9.266	9.318	VV	499	14353	0.10%	0.005%
116	9.343	9.318	9.360	VV	640	12804	0.09%	0.004%
117	9.381	9.360	9.397	VV	2182	27712	0.20%	0.009%
118	9.418	9.397	9.488	VV	2962	63880	0.45%	0.021%
119	9.517	9.488	9.541	VV	2391	32406	0.23%	0.010%
120	9.558	9.541	9.596	VV	730	11916	0.08%	0.004%
121	9.616	9.596	9.650	VV	394	5957	0.04%	0.002%
122	9.674	9.650	9.690	PV	656	7370	0.05%	0.002%
123	9.706	9.690	9.727	VV	616	7386	0.05%	0.002%
124	9.761	9.727	9.788	PV	1070	16523	0.12%	0.005%
125	9.813	9.788	9.827	VV	582	8158	0.06%	0.003%
126	9.848	9.827	9.867	VV	1415	23309	0.16%	0.007%

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127	9.900	9.867	10.013	VV	676583	7331705	51.66%	2.355%
128	10.044	10.013	10.062	VV	1832	35708	0.25%	0.011%
129	10.080	10.062	10.093	VV	2679	32135	0.23%	0.010%
130	10.114	10.093	10.147	VV	10560	131992	0.93%	0.042%
131	10.175	10.147	10.205	VV	48307	547359	3.86%	0.176%
132	10.218	10.205	10.263	VV	2355	52848	0.37%	0.017%
133	10.303	10.263	10.336	VV	616284	6688699	47.13%	2.148%
134	10.345	10.336	10.381	VV	3257	47922	0.34%	0.015%
135	10.403	10.381	10.444	VV	857	19914	0.14%	0.006%
136	10.465	10.444	10.505	VV	361	9399	0.07%	0.003%
137	10.527	10.505	10.549	VV	509	6091	0.04%	0.002%
138	10.591	10.549	10.625	PV	648	11418	0.08%	0.004%
139	10.650	10.625	10.678	VV	2038	25803	0.18%	0.008%
140	10.692	10.678	10.711	VV	568	7876	0.06%	0.003%
141	10.756	10.711	10.770	VV	997	20956	0.15%	0.007%
142	10.786	10.770	10.808	VV	1228	16449	0.12%	0.005%
143	10.829	10.808	10.864	VV	955	13897	0.10%	0.004%
144	10.906	10.864	10.933	PV	1015	21051	0.15%	0.007%
145	10.959	10.933	10.987	VV	3016	51310	0.36%	0.016%
146	11.001	10.987	11.025	VV	1292	21157	0.15%	0.007%
147	11.044	11.025	11.059	VV	1582	21135	0.15%	0.007%
148	11.073	11.059	11.088	VV	1576	18218	0.13%	0.006%
149	11.114	11.088	11.171	VV	7704	105516	0.74%	0.034%
150	11.207	11.171	11.226	VV	660	13169	0.09%	0.004%
151	11.316	11.226	11.358	VV	686238	7360188	51.86%	2.364%
152	11.392	11.358	11.531	VV	634270	7166747	50.50%	2.302%
153	11.555	11.531	11.580	VV	2407	35620	0.25%	0.011%
154	11.603	11.580	11.649	VV	5951	81732	0.58%	0.026%
155	11.681	11.649	11.696	VV	903	12913	0.09%	0.004%
156	11.753	11.696	11.801	VV	584954	6676859	47.04%	2.144%
157	11.842	11.801	11.891	VV	2378	63119	0.44%	0.020%
158	11.913	11.891	11.934	PV	1107	14281	0.10%	0.005%
159	11.949	11.934	11.957	VV	596	7035	0.05%	0.002%
160	11.969	11.957	11.983	VV	601	7725	0.05%	0.002%
161	12.008	11.983	12.036	VV	1892	29121	0.21%	0.009%
162	12.078	12.036	12.104	VV	298715	3160928	22.27%	1.015%
163	12.119	12.104	12.134	VV	6372	76347	0.54%	0.025%
164	12.151	12.134	12.192	VV	8297	107991	0.76%	0.035%
165	12.235	12.192	12.253	VV	7748	141116	0.99%	0.045%
166	12.269	12.253	12.283	VV	5192	60011	0.42%	0.019%
167	12.299	12.283	12.329	VV	6654	82826	0.58%	0.027%
168	12.367	12.329	12.393	PV	1559	27205	0.19%	0.009%
169	12.421	12.393	12.457	VV	1295	32417	0.23%	0.010%
170	12.481	12.457	12.501	VV	6907	90800	0.64%	0.029%
171	12.516	12.501	12.568	VV	4001	59487	0.42%	0.019%
172	12.591	12.568	12.616	VV	4610	57117	0.40%	0.018%
173	12.672	12.616	12.744	VV	59937	734543	5.18%	0.236%
174	12.765	12.744	12.814	VV	2427	50667	0.36%	0.016%

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175	12.842	12.814	12.852	VV	1164	18192	0.13%	0.006%
176	12.864	12.852	12.875	VV	1219	13550	0.10%	0.004%
177	12.889	12.875	12.899	VV	1762	18485	0.13%	0.006%
178	12.912	12.899	12.949	VV	2106	37826	0.27%	0.012%
179	12.975	12.949	13.000	PV	6025	82242	0.58%	0.026%
180	13.024	13.000	13.036	VV	5686	74025	0.52%	0.024%
181	13.069	13.036	13.108	VV	574532	6830889	48.13%	2.194%
182	13.148	13.108	13.224	VV	689056	8131551	57.29%	2.612%
183	13.240	13.224	13.254	VV	579	7567	0.05%	0.002%
184	13.280	13.254	13.310	VV	5811	99724	0.70%	0.032%
185	13.330	13.310	13.371	VV	8772	151569	1.07%	0.049%
186	13.382	13.371	13.410	VV	1871	30023	0.21%	0.010%
187	13.450	13.410	13.479	VV	688490	7918410	55.79%	2.543%
188	13.515	13.479	13.570	VV	234087	2976960	20.98%	0.956%
189	13.615	13.570	13.631	VV	3779	55247	0.39%	0.018%
190	13.683	13.631	13.734	VV	550065	6603554	46.53%	2.121%
191	13.746	13.734	13.760	VV	1899	24192	0.17%	0.008%
192	13.781	13.760	13.814	VV	1970	37675	0.27%	0.012%
193	13.841	13.814	13.878	PV	3404	60222	0.42%	0.019%
194	13.906	13.878	13.976	VV	13797	206105	1.45%	0.066%
195	14.032	13.976	14.077	VV	15697	285514	2.01%	0.092%
196	14.102	14.077	14.120	VV	2760	46118	0.32%	0.015%
197	14.141	14.120	14.161	VV	8125	109991	0.77%	0.035%
198	14.182	14.161	14.204	VV	9276	120847	0.85%	0.039%
199	14.221	14.204	14.236	VV	4094	53077	0.37%	0.017%
200	14.271	14.236	14.301	VV	534538	6498590	45.79%	2.087%
201	14.313	14.301	14.334	VV	8146	104645	0.74%	0.034%
202	14.353	14.334	14.392	VV	7023	101721	0.72%	0.033%
203	14.428	14.392	14.443	VV	2684	44622	0.31%	0.014%
204	14.457	14.443	14.477	VV	2091	35559	0.25%	0.011%
205	14.487	14.477	14.525	VV	1840	37166	0.26%	0.012%
206	14.539	14.525	14.554	VV	1119	13929	0.10%	0.004%
207	14.566	14.554	14.580	VV	640	7040	0.05%	0.002%
208	14.594	14.580	14.605	VV	349	3815	0.03%	0.001%
209	14.627	14.605	14.651	VV	573	9841	0.07%	0.003%
210	14.676	14.651	14.691	PV	1186	16001	0.11%	0.005%
211	14.743	14.691	14.755	VV	6217	114513	0.81%	0.037%
212	14.773	14.755	14.808	VV	13789	188374	1.33%	0.061%
213	14.837	14.808	14.856	VV	3631	58838	0.41%	0.019%
214	14.873	14.856	14.918	VV	2683	63546	0.45%	0.020%
215	14.950	14.918	14.990	VV	9534	205726	1.45%	0.066%
216	15.015	14.990	15.039	VV	17183	248260	1.75%	0.080%
217	15.076	15.039	15.118	VV	14629	257188	1.81%	0.083%
218	15.140	15.118	15.157	VV	1541	23675	0.17%	0.008%
219	15.200	15.157	15.256	VV	3922	91970	0.65%	0.030%
220	15.284	15.256	15.298	VV	6394	76391	0.54%	0.025%
221	15.337	15.298	15.355	VV	548444	7736077	54.51%	2.485%

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222	15.380	15.355	15.446	VV	1123342	14192693	100.00%	4.558%
223	15.492	15.446	15.541	VV	16887	337067	2.37%	0.108%
224	15.569	15.541	15.603	VV	5012	86299	0.61%	0.028%
225	15.633	15.603	15.655	PV	6344	101648	0.72%	0.033%
226	15.673	15.655	15.734	VV	5171	133201	0.94%	0.043%
227	15.767	15.734	15.841	VV	22916	540285	3.81%	0.174%
228	15.914	15.841	15.938	VV	8127	203566	1.43%	0.065%
229	16.003	15.938	16.024	VV	15171	406832	2.87%	0.131%
230	16.040	16.024	16.073	VV	7562	126299	0.89%	0.041%
231	16.091	16.073	16.109	VV	2953	48200	0.34%	0.015%
232	16.164	16.109	16.199	VV	8944	258307	1.82%	0.083%
233	16.240	16.199	16.260	VV	4646	85622	0.60%	0.028%
234	16.275	16.260	16.302	VV	1911	43858	0.31%	0.014%
235	16.324	16.302	16.343	VV	3952	62255	0.44%	0.020%
236	16.404	16.343	16.456	VV	487232	6404405	45.12%	2.057%
237	16.472	16.456	16.491	VV	1906	27335	0.19%	0.009%
238	16.498	16.491	16.518	VV	867	11441	0.08%	0.004%
239	16.534	16.518	16.552	VV	757	10796	0.08%	0.003%
240	16.626	16.552	16.660	PV	4900	129258	0.91%	0.042%
241	16.680	16.660	16.696	VV	4609	62069	0.44%	0.020%
242	16.709	16.696	16.725	VV	2933	38952	0.27%	0.013%
243	16.745	16.725	16.763	VV	2934	51073	0.36%	0.016%
244	16.803	16.763	16.821	VV	7234	164430	1.16%	0.053%
245	16.837	16.821	16.859	VV	7447	121272	0.85%	0.039%
246	16.908	16.859	16.923	VV	550045	9030854	63.63%	2.901%
247	16.940	16.923	17.003	VV	679297	8215889	57.89%	2.639%
248	17.029	17.003	17.051	VV	21112	287923	2.03%	0.092%
249	17.062	17.051	17.104	VV	5281	110879	0.78%	0.036%
250	17.150	17.104	17.168	VV	8241	160657	1.13%	0.052%
251	17.221	17.168	17.249	VV	55003	990731	6.98%	0.318%
252	17.292	17.249	17.320	VV	639974	8838257	62.27%	2.839%
253	17.355	17.320	17.409	VV	469711	6712050	47.29%	2.156%
254	17.429	17.409	17.454	VV	9023	172871	1.22%	0.056%
255	17.521	17.454	17.560	VV	7622	348714	2.46%	0.112%
256	17.575	17.560	17.598	VV	4956	99203	0.70%	0.032%
257	17.640	17.598	17.712	VV	11409	482473	3.40%	0.155%
258	17.744	17.712	17.764	VV	7645	188008	1.32%	0.060%
259	17.803	17.764	17.841	VV	19086	455092	3.21%	0.146%
260	17.865	17.841	17.878	VV	6845	118828	0.84%	0.038%
261	17.891	17.878	17.913	VV	6265	113350	0.80%	0.036%
262	17.939	17.913	17.964	VV	9912	205394	1.45%	0.066%
263	17.976	17.964	18.008	VV	4970	109016	0.77%	0.035%
264	18.035	18.008	18.045	VV	4380	84600	0.60%	0.027%
265	18.059	18.045	18.067	VV	4541	53331	0.38%	0.017%
266	18.078	18.067	18.100	VV	4700	80862	0.57%	0.026%
267	18.135	18.100	18.169	VV	7001	192689	1.36%	0.062%
268	18.246	18.169	18.300	VV	456059	6831783	48.14%	2.194%
269	18.335	18.300	18.357	VV	11012	266116	1.88%	0.085%

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270	18.375	18.357	18.398	VV	8678	178404	1.26%	0.057%
271	18.422	18.398	18.466	VV	11429	391684	2.76%	0.126%
272	18.507	18.466	18.533	VV	7920	279721	1.97%	0.090%
273	18.563	18.533	18.600	VV	17613	491962	3.47%	0.158%
274	18.670	18.600	18.685	VV	535601	9223766	64.99%	2.962%
275	18.705	18.685	18.767	VV	607029	8705395	61.34%	2.796%
276	18.786	18.767	18.805	VV	25736	474565	3.34%	0.152%
277	18.821	18.805	18.880	VV	21719	702973	4.95%	0.226%
278	18.929	18.880	18.982	VV	480244	8040079	56.65%	2.582%
279	18.992	18.982	19.018	VV	21056	390731	2.75%	0.125%
280	19.079	19.018	19.125	VV	470486	7476769	52.68%	2.401%
281	19.135	19.125	19.153	VV	12352	195188	1.38%	0.063%
282	19.174	19.153	19.206	VV	12784	367030	2.59%	0.118%
283	19.217	19.206	19.231	VV	11256	160175	1.13%	0.051%
284	19.247	19.231	19.278	VV	11147	282729	1.99%	0.091%
285	19.339	19.278	19.358	VV	11390	458962	3.23%	0.147%
286	19.381	19.358	19.399	VV	9696	230575	1.62%	0.074%
287	19.473	19.399	19.558	VV	31437	1316180	9.27%	0.423%
288	19.582	19.558	19.602	VV	11466	279412	1.97%	0.090%
289	19.623	19.602	19.646	VV	11288	270541	1.91%	0.087%
290	19.683	19.646	19.696	VV	9605	279079	1.97%	0.090%
291	19.714	19.696	19.738	VV	9597	227220	1.60%	0.073%
292	19.780	19.738	19.816	VV	11019	434292	3.06%	0.139%
293	19.865	19.816	19.920	VV	494909	7530313	53.06%	2.419%
294	19.935	19.920	19.955	VV	15253	295123	2.08%	0.095%
295	20.001	19.955	20.030	VV	14096	563561	3.97%	0.181%
296	20.066	20.030	20.093	VV	23815	635848	4.48%	0.204%
297	20.136	20.093	20.177	VV	23903	900268	6.34%	0.289%
298	20.197	20.177	20.206	VV	15644	265936	1.87%	0.085%
299	20.235	20.206	20.284	VV	31270	920387	6.48%	0.296%
300	20.303	20.284	20.330	VV	13089	343410	2.42%	0.110%
301	20.349	20.330	20.377	VV	14041	364682	2.57%	0.117%
302	20.388	20.377	20.394	VV	11821	118095	0.83%	0.038%
303	20.448	20.394	20.479	VV	27868	1005557	7.09%	0.323%
304	20.511	20.479	20.568	VV	21330	1013690	7.14%	0.326%
305	20.606	20.568	20.671	VV	505925	7974335	56.19%	2.561%
306	20.686	20.671	20.703	VV	16880	321667	2.27%	0.103%
307	20.744	20.703	20.755	VV	19691	549423	3.87%	0.176%
308	20.773	20.755	20.811	VV	23155	639506	4.51%	0.205%
309	20.829	20.811	20.864	VV	15500	469481	3.31%	0.151%
310	20.884	20.864	20.908	VV	14475	366122	2.58%	0.118%
311	20.970	20.908	21.007	VV	22541	969039	6.83%	0.311%
312	21.090	21.007	21.198	VV	19899	1779268	12.54%	0.571%
313	21.236	21.198	21.254	VV	12813	416309	2.93%	0.134%
314	21.285	21.254	21.311	VV	13408	439951	3.10%	0.141%
315	21.317	21.311	21.325	VV	13110	109090	0.77%	0.035%
316	21.385	21.325	21.471	VV	399620	8244291	58.09%	2.648%

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317	21.500	21.471	21.587	VV	10618	691979	4.88%	0.222%
318	21.618	21.587	21.698	VV	10232	614432	4.33%	0.197%
319	21.726	21.698	21.786	VV	8890	426378	3.00%	0.137%
320	21.840	21.786	21.874	VV	10792	457901	3.23%	0.147%
321	21.927	21.874	21.942	VV	8323	302088	2.13%	0.097%
322	21.950	21.942	21.990	VV	7285	194863	1.37%	0.063%
323	22.001	21.990	22.071	VV	6220	241619	1.70%	0.078%
324	22.104	22.071	22.130	VV	3995	127727	0.90%	0.041%
325	22.145	22.130	22.156	VV	3646	51917	0.37%	0.017%
326	22.163	22.156	22.201	VV	3435	77359	0.55%	0.025%
327	22.254	22.201	22.301	VV	3378	157533	1.11%	0.051%
328	22.374	22.301	22.487	VV	285180	7413528	52.23%	2.381%
329	22.496	22.487	22.565	VV	1428	28779	0.20%	0.009%

Sum of corrected areas: 311351776

Aliphatic EPH 080125.M Thu Aug 28 01:44:41 2025

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:	FE082725AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2955-01DL	FE055532.D	1-chlorooctadecane (SURR)	yogesh	8/28/2025 7:56:08 AM			Peak Integrated by Software

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 # FE082725AL

Review By	yogesh	Review On	8/27/2025 8:51:51 AM		
Supervise By		Supervise On			
SubDirectory	FE082725AL	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	FE055528.D	27 Aug 2025 07:20	YP\AJ	Ok
2	I.BLK	FE055529.D	27 Aug 2025 07:51	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE055530.D	27 Aug 2025 08:21	YP\AJ	Ok
4	Q2947-02DL2	FE055531.D	27 Aug 2025 08:51	YP\AJ	Ok
5	Q2955-01DL	FE055532.D	27 Aug 2025 09:21	YP\AJ	Ok,NS
6	I.BLK	FE055533.D	27 Aug 2025 10:22	YP\AJ	Ok
7	20 PPM ALIPHATIC HC STD	FE055534.D	27 Aug 2025 10:52	YP\AJ	Ok
8	PB169422BL	FE055535.D	27 Aug 2025 14:55	YP\AJ	Ok
9	PB169422BS	FE055536.D	27 Aug 2025 15:25	YP\AJ	Ok
10	PB169422BSD	FE055537.D	27 Aug 2025 15:56	YP\AJ	Ok
11	Q2928-01	FE055538.D	27 Aug 2025 16:26	YP\AJ	Ok
12	Q2928-01MS	FE055539.D	27 Aug 2025 16:57	YP\AJ	Ok
13	Q2928-01MSD	FE055540.D	27 Aug 2025 17:27	YP\AJ	Ok
14	I.BLK	FE055541.D	27 Aug 2025 18:28	YP\AJ	Ok
15	20 PPM ALIPHATIC HC STD	FE055542.D	27 Aug 2025 18:59	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 # FE082725AL

Review By	yogesh	Review On	8/27/2025 8:51:51 AM		
Supervise By		Supervise On			
SubDirectory	FE082725AL	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	FE055528.D	27 Aug 2025 07:20		YP\AJ	Ok
2	I.BLK	I.BLK	FE055529.D	27 Aug 2025 07:51		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055530.D	27 Aug 2025 08:21		YP\AJ	Ok
4	Q2947-02DL2	291-E2DL2	FE055531.D	27 Aug 2025 08:51		YP\AJ	Ok
5	Q2955-01DL	OILY-GRAVELDL	FE055532.D	27 Aug 2025 09:21		YP\AJ	Ok,NS
6	I.BLK	I.BLK	FE055533.D	27 Aug 2025 10:22		YP\AJ	Ok
7	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055534.D	27 Aug 2025 10:52		YP\AJ	Ok
8	PB169422BL	PB169422BL	FE055535.D	27 Aug 2025 14:55		YP\AJ	Ok
9	PB169422BS	PB169422BS	FE055536.D	27 Aug 2025 15:25		YP\AJ	Ok
10	PB169422BSD	PB169422BSD	FE055537.D	27 Aug 2025 15:56		YP\AJ	Ok
11	Q2928-01	27-BELL	FE055538.D	27 Aug 2025 16:26		YP\AJ	Ok
12	Q2928-01MS	27-BELLMS	FE055539.D	27 Aug 2025 16:57	FE055538.D	YP\AJ	Ok
13	Q2928-01MSD	27-BELLMSD	FE055540.D	27 Aug 2025 17:27	FE055538.D!FE055539.D	YP\AJ	Ok
14	I.BLK	I.BLK	FE055541.D	27 Aug 2025 18:28		YP\AJ	Ok
15	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055542.D	27 Aug 2025 18:59		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/25/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:00
In Date: 08/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 08/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136920

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
Q2926-01	TR-04-08212025	1	1.18	10.40	11.58	10.6	90.6	
Q2926-02	TR-04-08212025	2	1.16	11.03	12.19	11.11	90.2	
Q2928-01	27-BELL	3	1.17	10.46	11.63	10.09	85.3	
Q2928-02	27-BELL	4	1.19	10.25	11.44	9.72	83.2	
Q2938-01	LF1-GM	5	1.00	1.00	2.00	2.00	100.0	
Q2938-02	LF1-G	6	1.00	1.00	2.00	2.00	100.0	
Q2939-05	SVOC-GPC-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q2939-06	PEST-GPC-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q2939-07	PEST-GPC-BLANK-SPIKE	9	1.00	1.00	2.00	2.00	100.0	
Q2939-08	SVOC-GPC2-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q2939-09	PEST-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2939-10	PEST -GPC2-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q2941-01	SOIL-COMP(1-2)	13	1.14	10.84	11.98	9.96	81.4	
Q2945-01	34866	14	1.19	10.08	11.27	10.84	95.7	
Q2946-01	820	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2946-02	821	16	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2947-01	291	17	1.12	10.63	11.75	11.33	96.0	
Q2947-02	291-E2	18	1.14	10.03	11.17	10.7	95.3	
Q2947-03	235	19	1.19	10.43	11.62	11.41	98.0	
Q2947-04	235-E2	20	1.16	10.49	11.65	11.44	98.0	
Q2948-01	KZZ054X-1-1	21	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-02	KZZ054X-1-2	22	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-03	JEH590U-1-1	23	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-04	JEH590U-1-2	24	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-05	JEH590U-2-1	25	1.00	1.00	2.00	2.00	100.0	PILC
Q2948-06	JEH590U-2-2	26	1.00	1.00	2.00	2.00	100.0	PILC
Q2949-01	367	27	1.15	10.38	11.53	11.46	99.3	
Q2949-02	367-E2	28	1.14	11.00	12.14	11.84	97.3	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/25/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:00
In Date: 08/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 08/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136920

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments

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

WORKLIST(Hardcopy Internal Chain)

VB 136920

WorkList Name : %1-082225 **WorkList ID :** 191408 **Department :** Wet-Chemistry **Date :** 08-22-2025 08:05:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2926-01	TR-04-08212025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/21/2025	Chemtech -SO
Q2926-02	TR-04-08212025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/21/2025	Chemtech -SO
Q2928-01	27-BELL	Solid	Percent Solids	Cool 4 deg C	HERO01	D31	08/21/2025	Chemtech -SO
Q2928-02	27-BELL	Solid	Percent Solids	Cool 4 deg C	HERO01	D31	08/21/2025	Chemtech -SO
Q2938-01	LF1-GM	Solid	Percent Solids	Cool 4 deg C	ENTA08	A23	08/21/2025	Chemtech -SO
Q2938-02	LF1-G	Solid	Percent Solids	Cool 4 deg C	ENTA08	A23	08/21/2025	Chemtech -SO
Q2939-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2939-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A41	08/15/2025	Chemtech -SO
Q2941-01	SOIL-COMP(1-2)	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/22/2025	Chemtech -SO
Q2945-01	34866	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2946-01	820	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2946-02	821	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2947-01	291	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2947-02	291-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2947-03	235	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2947-04	235-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-01	KZZ054X-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO

Date/Time 08/22/25 15:00

Raw Sample Received by: JP (CWC)

Raw Sample Relinquished by: RS (Ext-Lab)

Date/Time 08/22/25 17:15

Raw Sample Received by: RS (Ext-Lab)

Raw Sample Relinquished by: JP (CWC)

WORKLIST(Hardcopy Internal Chain)

VB 136920

WorkList Name : %1-082225 **WorkList ID :** 191408 **Department :** Wet-Chemistry **Date :** 08-22-2025 08:05:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2948-02	KZZ054X-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-03	JEH590U-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-04	JEH590U-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-05	JEH590U-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2948-06	JEH590U-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2949-01	367	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO
Q2949-02	367-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/22/2025	Chemtech -SO

Date/Time 08/22/25 15:00

Raw Sample Received by: JB (WC)

Raw Sample Relinquished by: RS (Ext-Lab)

Date/Time 08/22/25 17:15

Raw Sample Received by: RS (Ext-Lab)

Raw Sample Relinquished by: JB (WC)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169422

SOP ID:	MNJDEP-EPH-8				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/27/2025
Matrix :	Solid			**Extraction Start Time :**	09:20
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	08/27/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:30
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24767
Surrogate	1.0ML	100 PPM	PP24866
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2626
Baked Na2SO4	N/A	EP2632
Sand	N/A	E3951
Methylene Chloride	N/A	E3964
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

KD Bath ID:	N/A	**Envap ID:**	NEVIDAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/29/25	RS (Ext-lab)	Y-P Pest/PCB
12:35	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169422

Analytical Method: MNJDEP-EPH-8 **Concentration Date:** 08/27/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169422BL	PB169422BL	EPH_F2	30.02	N/A	ritesh	Evelyn	2			U1-1
PB169422BS	PB169422BS	EPH_F2	30.01	N/A	ritesh	Evelyn	2			2
PB169422BSD	PB169422BSD	EPH_F2	30.03	N/A	ritesh	Evelyn	2			3
Q2928-01	27-BELL	EPH_F2	30.09	N/A	ritesh	Evelyn	2			4
Q2928-01MS	27-BELLMS	EPH_F2	30.03	N/A	ritesh	Evelyn	2			5
Q2928-01MSD	27-BELLMSD	EPH_F2	30.05	N/A	ritesh	Evelyn	2			6

RS 8/27

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

16/4/22 9:20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2928 **WorkList ID :** 191531 **Department :** Extraction **Date :** 08-27-2025 09:13:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2928-01	27-BELL	Solid	EPH_F2	Cool 4 deg C	HERO01	D31	08/21/2025	NJEPH

Date/Time 08/27/27 9:15
Raw Sample Received by: RJ (EXT-1206)
Raw Sample Relinquished by: JD (SM)

Date/Time 08/27/25 9:25
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: RJ (EXT-1206)

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. Q2938
COC Number 2047907

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Hero Construction
ADDRESS: 27 Bell street
CITY Orange STATE: N.J. ZIP:
ATTENTION: Khadija Smith
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Residential soil Testing
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: Cyanide 2: EPH - F2 3: Pesticide - TCL 4: SVOC - TCL BNA - 20 5: VOC - TCL VOA - 10 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	27 BELL	SOL	X		8.21.25	1306	4	X	X	X	X						
2.	1	1		X	1	1310	4					X					
3.																	
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

	DATE/TIME	RECEIVED BY
RELINQUISHED BY SAMPLER: 1.	8.21.2025 1324	1. Khadija Smith
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER: 3.	8.21.2025 1730	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.9c °C
Comments: Equal volume of soil used, 5:1 composite

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

CHEMTECH
Environmental Laboratory
www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Residential Soil Testing
Service Order #:
Work Order #:
Labor WBS #:
Facility/Site:
Site Address: 27 Bell Street Orange, N.J.

Chemtech Order ID:
Sampler Name: Lawrence Carter
Client Project Coordinator & Phone:

Page #: 1 of 1
Date: 8.21.2025
Arrive Time: 12:40
Depart Time: 1324

Waste Stream (circle one): drum / roll-off / (soil pile) / in-situ / linear construction / frac-tank

Sample Matrices (circle all that apply): Water / (Solid) / NAPL / Concrete / Wipe

Collection Depths:

Dimensions/CY: 222cy

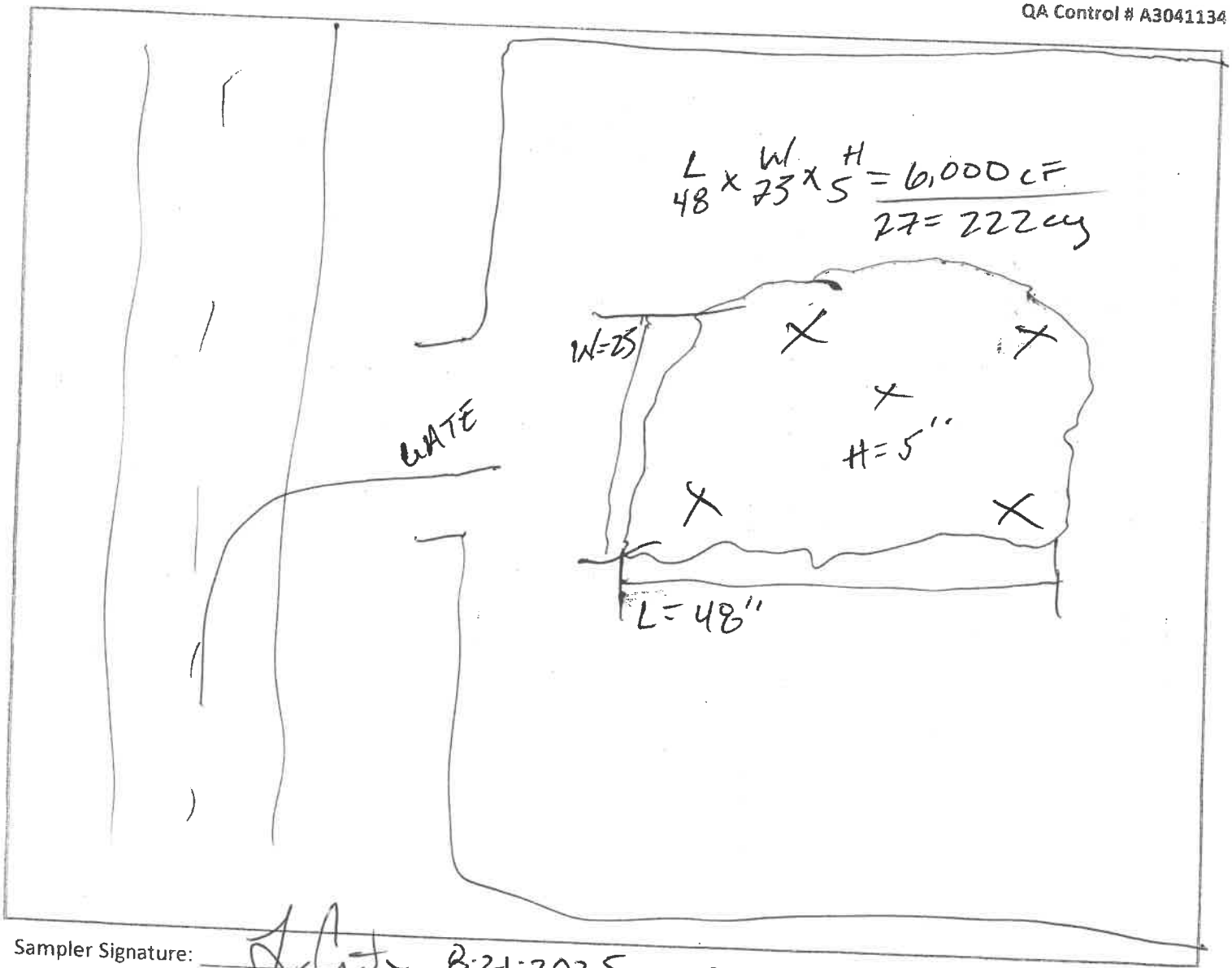
Temp (range): °C **PID Readings (range):** PPM **Odor:** Y / (N) **Color** (Y) N

Sample Description: Brown soil, rocks.

Field Observations: SAMPLED, 27 BELL.

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature: 8.21.2025

Client Signature:

Supervisor Review/Date:

Date/Time Arrived at Lab:

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	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2928 HERO01
Client Name : Hero Construction
Client Contact : Khadija Smith
Invoice Name : Hero Construction
Invoice Contact : Khadija Smith

Order Date : 8/21/2025 12:10:14 PM
Project Name : Residential Soil Testing
Receive DateTime : 8/21/2025 ~~12:00:00 AM~~ 5:30 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2928-02	27-BELL	Solid	08/21/2025	13:10					
					VOC-TCLVOA-10		8260D		~~10~~ 5 Bus. Days

Grabs

Stored in VOA FRZ # 02

Relinguished By :
Date / Time : 8/22/25 845

Received By : Immaculata
Date / Time : 8/22/25 10:30 AM

Storage Area : VOA Refridgerator Room