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Cover Page

Order ID : Q2757

Project ID : 11 Newman Ave Nutley

Client : Sciacca General Contractors, LLC

Lab Sample Number	Client Sample Number
Q2757-01	WASTE
Q2757-02	VOC
Q2757-03	1
Q2757-04	2
Q2757-05	3
Q2757-06	4
Q2757-07	5

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: 8/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Sciacca General Contractors, LLC
Project Name: 11 Newman Ave Nutley
Project # N/A
Order ID # Q2757
Test Name: EPH_F2

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 08/01/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH_F2. This data package contains results for EPH_F2.

C. Analytical Techniques:
The analysis were performed on instrument FID_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis of EPH_F2s was based on method NJEPH and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Retention Times were met for all analysis.

The MS Q2757-07MS} with File ID: FE055257.D recoveries met the requirements for all compounds except for [n-Decane (C10)- 181%], [n-Tetracosane (C24)- 171%], [n-Dotriacontane (C32)- 155%], [n-Tetratriacontane (C34)- 152%], [n-Hexatriacontane (C36)- 175%], , [n-Octatriacontane (C38)- 151%]due to matrix interference.

The MSD {Q2757-07MSD} with File ID: FE055258.D recoveries met the requirements for all compounds except for [n-Decane (C10)- 184%], [n-Tetracosane (C24)- 156%], [n-Octacosane (C28)- 143%], [n-Tricontane (C30)- 141%], [n-Dotriacontane (C32)- 160%], [n-Tetratriacontane (C34)- 153%], [n-Hexatriacontane (C36)- 185%], [n-Octatriacontane (C38)- 153%]due to matrix interference.

The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.

Sample 3 was diluted due to high concentration.

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E. Additional Comments:
The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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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 #: Q2757

	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:** 08/14/2025

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LAB CHRONICLE

OrderID:	Q2757	**OrderDate:**	8/1/2025 4:13:00 PM
Client:	Sciacca General Contractors, LLC	**Project:**	11 Newman Ave Nutley
Contact:	Rosanne Scirica	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2757-01	**WASTE**	**SOIL**			**08/01/25**			**08/01/25**
			TPH GC	8015D		08/06/25	08/06/25	
Q2757-03	**1**	**Solid**			**08/01/25**			**08/01/25**
			EPH_F2	NJEPH		08/11/25	08/12/25	
Q2757-04	**2**	**Solid**			**08/01/25**			**08/01/25**
			EPH_F2	NJEPH		08/11/25	08/12/25	
Q2757-05	**3**	**Solid**			**08/01/25**			**08/01/25**
			EPH_F2	NJEPH		08/11/25	08/12/25	
Q2757-05DL	**3DL**	**Solid**			**08/01/25**			**08/01/25**
			EPH_F2	NJEPH		08/11/25	08/13/25	
Q2757-06	**4**	**Solid**			**08/01/25**			**08/01/25**
			EPH_F2	NJEPH		08/11/25	08/12/25	
Q2757-07	**5**	**Solid**			**08/01/25**			**08/01/25**
			EPH_F2	NJEPH		08/11/25	08/12/25	

QC
SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: SCIA01

Lab Code: ACE SDG No.: Q2757

Run Number: FE081225AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB169208BL	90	87		0
PB169208BS	94	89		0
PB169208BSD	95	90		0
1	58	59		0
2	113	55		0
3	78	71		0
4	67	67		0
5	91	85		0
5MS	83	77		0
5MSD	83	78		0

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

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

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SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: SCIA01

Lab Code: ACE SDG No.: Q2757

Run Number: FE081325AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
3DL	78	69		0

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

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

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SOIL EPH SURROGATE RECOVERY

	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:** Sciacca General Contractors, LLC

Lab Code: ACE **SDG No:** Q2757

Sample No : Q2757-07MS **Datafile:** FE055257.D **Client ID :** 5MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	36.9	89.5	123	91		(40-140)
Aliphatic C9-C28	123.0	49.0	146	79		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	4.1	0.0000	3.3252	81		(40-140)
n-Decane (C10)	4.1	0.0000	7.4014	181	*	(40-140)
Naphthalene (C11.7)	4.1	0.0000	3.7943	93		(40-140)
n-Dodecane (C12)	4.1	0.0000	3.6473	89		(40-140)
2-methylnaphthalene (C12.89)	4.1	0.0000	3.6540	89		(40-140)
n-Tetradecane (C14)	4.1	0.0000	3.7130	91		(40-140)
n-Hexadecane (C16)	4.1	0.0000	3.7015	90		(40-140)
n-Octadecane (C18)	4.1	0.0000	3.6625	89		(40-140)
n-Eicosane (C20)	4.1	0.0000	3.9580	97		(40-140)
n-Heneicosane (C21)	4.1	0.0000	3.8659	94		(40-140)
n-Docosane (C22)	4.1	0.0000	4.0163	98		(40-140)
n-Tetracosane (C24)	8.2	0.0000	14.0502	171	*	(40-140)
n-Hexacosane (C26)	4.1	0.0000	5.5035	134		(40-140)
n-Octacosane (C28)	4.1	0.0000	5.3223	130		(40-140)
n-Tricontane (C30)	4.1	0.0000	5.6960	139		(40-140)
n-Dotriacontane (C32)	4.1	0.0000	6.3442	155	*	(40-140)
n-Tetratriacontane (C34)	4.1	0.0000	6.2357	152	*	(40-140)
n-Hexatriacontane (C36)	4.1	0.0000	7.1882	175	*	(40-140)
n-Octatriacontane (C38)	4.1	0.0000	6.1926	151	*	(40-140)
n-Tetracontane (C40)	4.1	0.0000	5.1679	126		(40-140)

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SOLID EPH_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Sciacca General Contractors, LLC

Lab Code: ACE **SDG No:** Q2757

Sample No : Q2757-07MSD **Datafile:** FE055258.D **Client ID :** 5MSD

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	36.9	89.5	124	94		2.82 | (40-140)	50
Aliphatic C9-C28	123.0	49.0	147	80		0.8 | (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)	4.1	0.0000	3.3630	82		1.23 | (40-140)	50
n-Decane (C10)	4.1	0.0000	7.5290	184	*	1.64 | (40-140)	50
Naphthalene (C11.7)	4.1	0.0000	3.8617	94		1.07 | (40-140)	50
n-Dodecane (C12)	4.1	0.0000	3.7143	91		2.22 | (40-140)	50
2-methylnaphthalene (C12.89)	4.1	0.0000	3.7120	91		2.22 | (40-140)	50
n-Tetradecane (C14)	4.1	0.0000	3.7793	92		1.09 | (40-140)	50
n-Hexadecane (C16)	4.1	0.0000	3.7582	92		2.2 | (40-140)	50
n-Octadecane (C18)	4.1	0.0000	3.6963	90		1.12 | (40-140)	50
n-Eicosane (C20)	4.1	0.0000	3.9754	97		0 | (40-140)	50
n-Heneicosane (C21)	4.1	0.0000	3.8808	95		1.06 | (40-140)	50
n-Docosane (C22)	4.1	0.0000	4.0104	98		0 | (40-140)	50
n-Tetracosane (C24)	8.2	0.0000	12.8287	156	*	9.17 | (40-140)	50
n-Hexacosane (C26)	4.1	0.0000	5.4665	133		0.75 | (40-140)	50
n-Octacosane (C28)	4.1	0.0000	5.8809	143	*	9.52 | (40-140)	50
n-Tricontane (C30)	4.1	0.0000	5.7893	141	*	1.43 | (40-140)	50
n-Dotriacontane (C32)	4.1	0.0000	6.5427	160	*	3.17 | (40-140)	50
n-Tetratriacontane (C34)	4.1	0.0000	6.2678	153	*	0.66 | (40-140)	50
n-Hexatriacontane (C36)	4.1	0.0000	7.5726	185	*	5.56 | (40-140)	50
n-Octatriacontane (C38)	4.1	0.0000	6.2659	153	*	1.32 | (40-140)	50
n-Tetracontane (C40)	4.1	0.0000	5.1263	125		0.8 | (40-140)	50

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SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Sciacca General Contractors, LLC

Lab Code: ACE **SDG No:** Q2757

Sample No : PB169208BS **Datafile:** FE055248.D **Client ID :** PB169208BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	30.0	25.6	85		(40-140)
Aliphatic C9-C28	99.9	78.6	79		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	2.64990	80		(40-140)
n-Decane (C10)	3.3	2.75325	83		(40-140)
Naphthalene (C11.7)	3.3	2.91050	88		(40-140)
n-Dodecane (C12)	3.3	2.85114	86		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.76002	84		(40-140)
n-Tetradecane (C14)	3.3	2.84099	86		(40-140)
n-Hexadecane (C16)	3.3	2.74861	83		(40-140)
n-Octadecane (C18)	3.3	2.66395	81		(40-140)
n-Eicosane (C20)	3.3	2.80116	85		(40-140)
n-Heneicosane (C21)	3.3	2.74543	83		(40-140)
n-Docosane (C22)	3.3	2.74726	83		(40-140)
n-Tetracosane (C24)	6.7	5.71141	85		(40-140)
n-Hexacosane (C26)	3.3	2.74732	83		(40-140)
n-Octacosane (C28)	3.3	2.76568	84		(40-140)
n-Tricontane (C30)	3.3	2.71944	82		(40-140)
n-Dotriacontane (C32)	3.3	2.72795	83		(40-140)
n-Tetratriacontane (C34)	3.3	2.76591	84		(40-140)
n-Hexatriacontane (C36)	3.3	2.48441	75		(40-140)
n-Octatriacontane (C38)	3.3	2.10079	64		(40-140)
n-Tetracontane (C40)	3.3	1.89390	57		(40-140)

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SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Sciacca General Contractors, LLC

Lab Code: ACE **SDG No:** Q2757

Sample No : PB169208BSD **Datafile:** FE055249.D **Client ID :** PB169208BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS (%)	QC Limit Of RPD
Aliphatic C28-C40	30.0	25.9	86		1.2|	(40-140)	25
Aliphatic C9-C28	99.9	79.7	80		1.4|	(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	2.70630	82		2.47|	(40-140)	25
n-Decane (C10)	3.3	2.80837	85		2.38|	(40-140)	25
Naphthalene (C11.7)	3.3	2.96594	90		2.25|	(40-140)	25
n-Dodecane (C12)	3.3	2.90445	88		2.3|	(40-140)	25
2-methylnaphthalene (C12.89)	3.3	2.81032	85		1.18|	(40-140)	25
n-Tetradecane (C14)	3.3	2.88533	87		1.16|	(40-140)	25
n-Hexadecane (C16)	3.3	2.78780	84		1.2|	(40-140)	25
n-Octadecane (C18)	3.3	2.70104	82		1.23|	(40-140)	25
n-Eicosane (C20)	3.3	2.83588	86		1.17|	(40-140)	25
n-Heneicosane (C21)	3.3	2.77695	84		1.2|	(40-140)	25
n-Docosane (C22)	3.3	2.76780	84		1.2|	(40-140)	25
n-Tetracosane (C24)	6.7	5.78222	86		1.17|	(40-140)	25
n-Hexacosane (C26)	3.3	2.76660	84		1.2|	(40-140)	25
n-Octacosane (C28)	3.3	2.79073	85		1.18|	(40-140)	25
n-Tricontane (C30)	3.3	2.73371	83		1.21|	(40-140)	25
n-Dotriacontane (C32)	3.3	2.70398	82		1.21|	(40-140)	25
n-Tetratriacontane (C34)	3.3	2.77465	84		0|	(40-140)	25
n-Hexatriacontane (C36)	3.3	2.49711	76		1.32|	(40-140)	25
n-Octatriacontane (C38)	3.3	2.12674	64		0|	(40-140)	25
n-Tetracontane (C40)	3.3	1.99415	60		5.13|	(40-140)	25

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4B

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB169208BL

Lab Name: Alliance Contract: SCIA01

Lab Code: ACE SDG NO.: Q2757

Instrument ID: FID_E Lab Sample ID: PB169208BL

Matrix: (soil/water) Solid Date Extracted: 8/11/2025 11:45:00

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB169208BS	PB169208BS
PB169208BSD	PB169208BSD
1	Q2757-03
2	Q2757-04
3	Q2757-05
4	Q2757-06
5	Q2757-07
5MS	Q2757-07MS
5MSD	Q2757-07MSD

COMMENTS:

Alliance
TECHNICAL GROUP

SAMPLE DATA

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Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/01/25
Project:	11 Newman Ave Nutley	Date Received:	08/01/25
Client Sample ID:	1	SDG No.:	Q2757
Lab Sample ID:	Q2757-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/11/25 11:45	08/12/25 11:21	PB169208

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	12.2		1	1.10	4.85	mg/kg	FE055250.D
Total EPH	Total EPH	12.2			1.10	4.85	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:	Sciacca General Contractors, LLC	Date Collected:	08/01/25
Project:	11 Newman Ave Nutley	Date Received:	08/01/25
Client Sample ID:	1	SDG No.:	Q2757
Lab Sample ID:	Q2757-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055250.D	1	08/11/25	08/12/25	PB169208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	12.2		1.10	4.85	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	27.6		1.43	2.43	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.9		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.6		40 - 140	59%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2757-03	Acq On:	12 Aug 2025 11:21
Client Sample ID:	1	Operator:	YP\AJ
Data file:	FE055250.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.959	1400348	11.991	300	ug/ml
Aliphatic C12-C16	6.960	10.413	9389476	74.98	200	ug/ml
Aliphatic C16-C21	10.414	13.793	5291412	41.861	300	ug/ml
Aliphatic C21-C28	13.794	17.466	2727256	22.632	400	ug/ml
Aliphatic C28-C40	17.467	22.498	38946018	341.67	600	ug/ml
Aliphatic EPH	3.323	22.498	57754510	493.133		ug/ml
ortho-Terphenyl (SURR)	12.089	12.089	4227337	29.6		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	3103526	28.86		ug/ml
Aliphatic C9-C28	3.323	17.466	18808492	151.464	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055250.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 11:21
Operator : YP\AJ
Sample : Q2757-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
1

Integration File: autoint1.e
Quant Time: Aug 13 04:01:03 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)	12.089	4227337	29.602 ug/ml
Spiked Amount 50.000		Recovery =	59.20%
12) S 1-chlorooctadecane (S...	13.526	3103526	28.864 ug/ml
Spiked Amount 50.000		Recovery =	57.73%
Target Compounds			

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

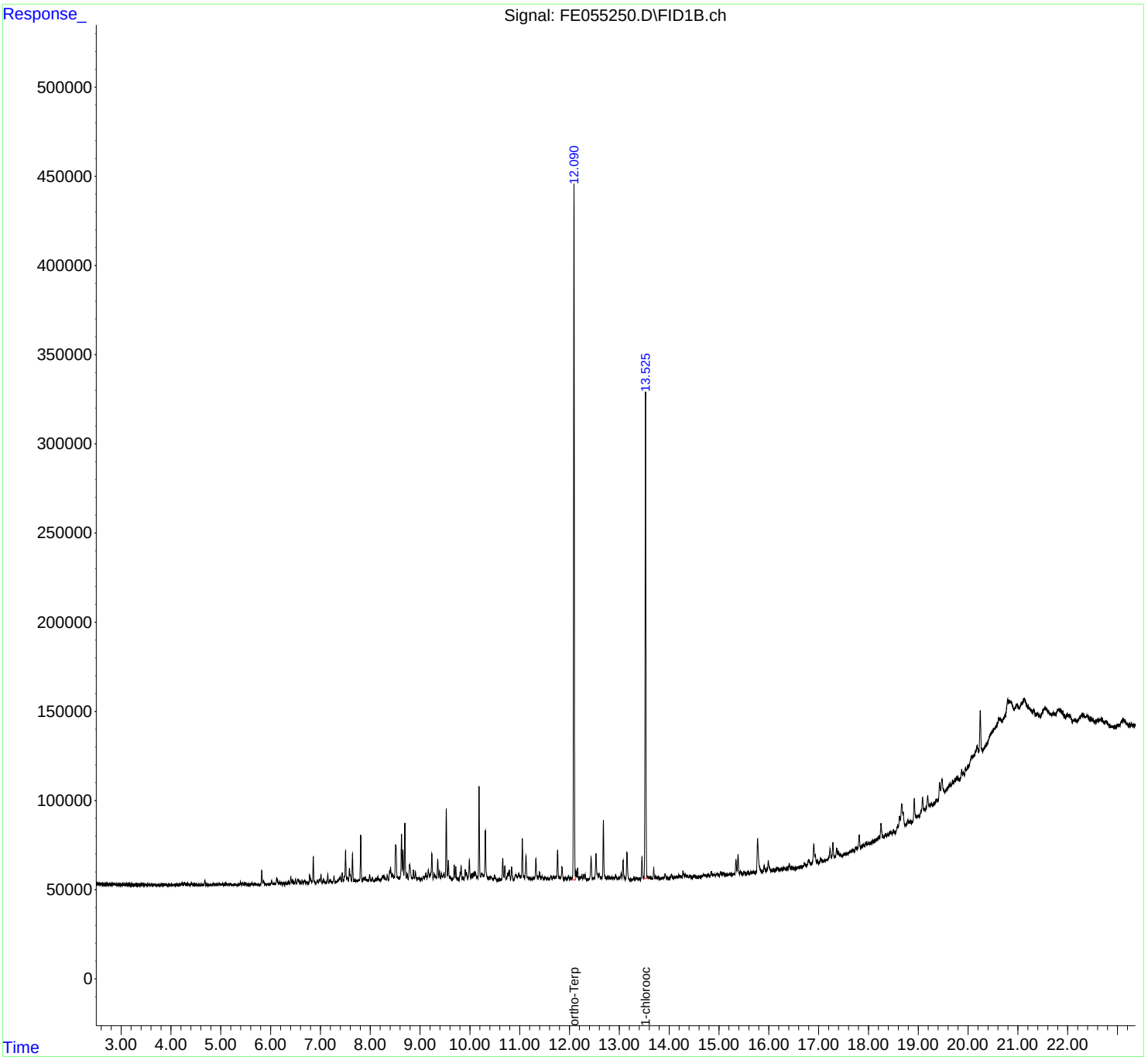
Quantitation Report (QT Reviewed)

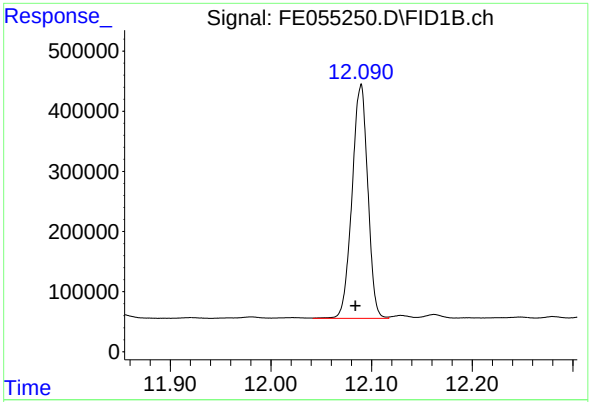
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055250.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 11:21
Operator : YP\AJ
Sample : Q2757-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
1

Integration File: autoint1.e
Quant Time: Aug 13 04:01:03 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

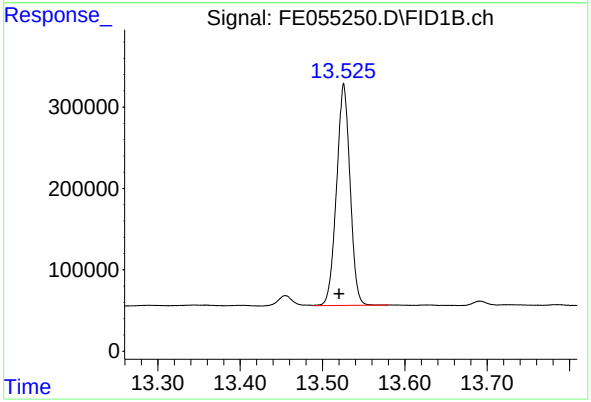




#9 ortho-Terphenyl (SURR)

R.T.: 12.089 min
Delta R.T.: 0.005 min
Response: 4227337
Conc: 29.60 ug/ml

Instrument :
FID_E
ClientSampleId :
1



#12 1-chlorooctadecane (SURR)

R.T.: 13.526 min
Delta R.T.: 0.005 min
Response: 3103526
Conc: 28.86 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055250.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 11:21
Sample : Q2757-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.841	2.805	2.911	BV	209	3490	0.07%	0.005%
2	2.925	2.911	2.935	PV	96	781	0.01%	0.001%
3	2.968	2.935	2.979	VV	141	2423	0.05%	0.004%
4	2.996	2.979	3.028	VV	105	1378	0.03%	0.002%
5	3.049	3.028	3.093	PV	327	8226	0.16%	0.013%
6	3.112	3.093	3.140	VV	164	3214	0.06%	0.005%
7	3.164	3.140	3.182	VV	212	3231	0.06%	0.005%
8	3.208	3.182	3.256	VV	169	4104	0.08%	0.006%
9	3.281	3.256	3.378	PV	183	7442	0.14%	0.011%
10	3.419	3.378	3.531	VV	507	14085	0.27%	0.022%
11	3.562	3.531	3.581	PV	194	3836	0.07%	0.006%
12	3.592	3.581	3.648	VV	137	4319	0.08%	0.007%
13	3.658	3.648	3.676	VV	147	2116	0.04%	0.003%
14	3.681	3.676	3.718	VV	141	2088	0.04%	0.003%
15	3.751	3.718	3.782	VV	229	5192	0.10%	0.008%
16	3.790	3.782	3.805	VV	102	781	0.01%	0.001%
17	3.818	3.805	3.845	PV	145	1824	0.03%	0.003%
18	3.872	3.845	3.928	VV	416	8305	0.16%	0.013%
19	3.956	3.928	3.971	VV	194	2778	0.05%	0.004%
20	4.012	3.971	4.054	VV	323	7121	0.14%	0.011%
21	4.066	4.054	4.091	VV	154	1811	0.03%	0.003%
22	4.118	4.091	4.178	VV	354	8150	0.16%	0.013%
23	4.216	4.178	4.237	PV	1140	15656	0.30%	0.024%
24	4.269	4.237	4.310	VV	1753	30281	0.58%	0.046%
25	4.330	4.310	4.362	VV	615	10552	0.20%	0.016%

rteres

26	4.408	4.362	4.436	VV	791	15238	0.29%	0.023%
27	4.451	4.436	4.492	VV	512	11097	0.21%	0.017%
28	4.501	4.492	4.515	VV	209	2406	0.05%	0.004%
29	4.525	4.515	4.557	VV	184	3514	0.07%	0.005%
30	4.579	4.557	4.596	VV	214	3856	0.07%	0.006%
31	4.621	4.596	4.657	VV	261	5803	0.11%	0.009%
32	4.680	4.657	4.711	VV	2686	31757	0.60%	0.049%
33	4.725	4.711	4.744	VV	468	5799	0.11%	0.009%
34	4.758	4.744	4.785	VV	257	4203	0.08%	0.006%
35	4.793	4.785	4.818	VV	181	2724	0.05%	0.004%
36	4.852	4.818	4.882	VV	493	11061	0.21%	0.017%
37	4.922	4.882	4.948	VV	431	13136	0.25%	0.020%
38	4.966	4.948	4.983	VV	1102	12553	0.24%	0.019%
39	4.994	4.983	5.010	VV	511	5715	0.11%	0.009%
40	5.022	5.010	5.040	VV	424	5496	0.10%	0.008%
41	5.052	5.040	5.085	VV	349	7980	0.15%	0.012%
42	5.101	5.085	5.119	VV	728	9431	0.18%	0.014%
43	5.145	5.119	5.171	VV	644	11561	0.22%	0.018%
44	5.188	5.171	5.238	VV	692	13335	0.25%	0.020%
45	5.268	5.238	5.283	VV	411	5917	0.11%	0.009%
46	5.295	5.283	5.327	VV	284	4199	0.08%	0.006%
47	5.359	5.327	5.374	PV	585	7051	0.13%	0.011%
48	5.393	5.374	5.420	VV	1521	22575	0.43%	0.035%
49	5.438	5.420	5.460	VV	1065	16273	0.31%	0.025%
50	5.475	5.460	5.489	VV	1178	12190	0.23%	0.019%
51	5.503	5.489	5.548	VV	957	12829	0.24%	0.020%
52	5.562	5.548	5.583	VV	167	1881	0.04%	0.003%
53	5.628	5.583	5.653	PV	795	14406	0.27%	0.022%
54	5.680	5.653	5.692	VV	615	10411	0.20%	0.016%
55	5.700	5.692	5.725	VV	655	7346	0.14%	0.011%
56	5.742	5.725	5.793	VV	270	5779	0.11%	0.009%
57	5.823	5.793	5.843	VV	8132	84940	1.62%	0.130%
58	5.858	5.843	5.876	VV	2633	30297	0.58%	0.046%
59	5.883	5.876	5.921	VV	739	11176	0.21%	0.017%
60	5.937	5.921	5.972	VV	516	8999	0.17%	0.014%
61	6.020	5.972	6.060	VV	2209	39717	0.76%	0.061%
62	6.074	6.060	6.100	VV	916	15263	0.29%	0.023%
63	6.122	6.100	6.163	VV	3753	66498	1.27%	0.102%
64	6.181	6.163	6.204	VV	1322	20180	0.38%	0.031%
65	6.217	6.204	6.235	VV	1403	14533	0.28%	0.022%
66	6.261	6.235	6.285	VV	793	13741	0.26%	0.021%
67	6.306	6.285	6.328	VV	1259	15997	0.30%	0.025%
68	6.361	6.328	6.383	VV	1379	25901	0.49%	0.040%
69	6.406	6.383	6.427	VV	4093	53914	1.03%	0.083%

rteres

70	6.438	6.427	6.471	VV	1554	32886	0.63%	0.050%
71	6.501	6.471	6.524	VV	3049	42307	0.80%	0.065%
72	6.546	6.524	6.579	VV	2773	62701	1.19%	0.096%
73	6.591	6.579	6.616	VV	1371	21727	0.41%	0.033%
74	6.633	6.616	6.649	VV	2371	27664	0.53%	0.042%
75	6.689	6.649	6.709	VV	2082	51909	0.99%	0.080%
76	6.731	6.709	6.754	VV	1102	22153	0.42%	0.034%
77	6.784	6.754	6.828	VV	5072	98920	1.88%	0.152%
78	6.857	6.828	6.904	VV	15251	185301	3.53%	0.284%
79	6.936	6.904	6.960	VV	1678	37207	0.71%	0.057%
80	6.977	6.960	6.995	VV	2726	40947	0.78%	0.063%
81	7.012	6.995	7.033	VV	5496	65417	1.24%	0.100%
82	7.063	7.033	7.105	VV	2739	58147	1.11%	0.089%
83	7.148	7.105	7.168	VV	5510	73908	1.41%	0.113%
84	7.191	7.168	7.239	VV	2253	58814	1.12%	0.090%
85	7.273	7.239	7.297	VV	4442	70501	1.34%	0.108%
86	7.312	7.297	7.325	VV	1422	18357	0.35%	0.028%
87	7.346	7.325	7.359	VV	2345	34145	0.65%	0.052%
88	7.396	7.359	7.419	VV	3726	92254	1.75%	0.142%
89	7.438	7.419	7.463	VV	6168	88453	1.68%	0.136%
90	7.505	7.463	7.529	VV	18543	268909	5.12%	0.412%
91	7.539	7.529	7.563	VV	3617	55508	1.06%	0.085%
92	7.583	7.563	7.623	VV	8658	158738	3.02%	0.243%
93	7.644	7.623	7.671	VV	16702	194119	3.69%	0.298%
94	7.686	7.671	7.701	VV	2266	33456	0.64%	0.051%
95	7.716	7.701	7.731	VV	1672	27287	0.52%	0.042%
96	7.743	7.731	7.754	VV	1597	20982	0.40%	0.032%
97	7.809	7.754	7.842	VV	27055	350480	6.67%	0.538%
98	7.864	7.842	7.878	VV	2913	51645	0.98%	0.079%
99	7.900	7.878	7.922	VV	3340	69463	1.32%	0.107%
100	7.934	7.922	7.960	VV	1920	38398	0.73%	0.059%
101	7.989	7.960	8.015	VV	4892	89679	1.71%	0.138%
102	8.045	8.015	8.063	VV	3358	60913	1.16%	0.093%
103	8.107	8.063	8.125	VV	2452	62667	1.19%	0.096%
104	8.154	8.125	8.171	VV	3573	71440	1.36%	0.110%
105	8.183	8.171	8.199	VV	2366	32342	0.62%	0.050%
106	8.247	8.199	8.257	VV	3896	90508	1.72%	0.139%
107	8.271	8.257	8.288	VV	4361	67102	1.28%	0.103%
108	8.297	8.288	8.320	VV	3148	49807	0.95%	0.076%
109	8.343	8.320	8.364	VV	4749	79422	1.51%	0.122%
110	8.407	8.364	8.428	VV	9049	206488	3.93%	0.317%
111	8.442	8.428	8.469	VV	5219	102252	1.95%	0.157%
112	8.512	8.469	8.561	VV	21089	473112	9.00%	0.726%

rteres

113	8.582	8.561	8.593	VV	2892	50758	0.97%	0.078%
114	8.628	8.593	8.643	VV	27363	351146	6.68%	0.539%
115	8.655	8.643	8.674	VV	18797	214434	4.08%	0.329%
116	8.695	8.674	8.723	VV	33537	410015	7.80%	0.629%
117	8.741	8.723	8.760	VV	4799	77565	1.48%	0.119%
118	8.792	8.760	8.846	VV	10255	269517	5.13%	0.413%
119	8.867	8.846	8.888	VV	7275	107554	2.05%	0.165%
120	8.907	8.888	8.938	VV	6461	111966	2.13%	0.172%
121	8.952	8.938	8.965	VV	2866	39337	0.75%	0.060%
122	8.976	8.965	9.010	VV	2494	59040	1.12%	0.091%
123	9.028	9.010	9.042	VV	2610	39944	0.76%	0.061%
124	9.062	9.042	9.086	VV	3610	74394	1.42%	0.114%
125	9.115	9.086	9.137	VV	4852	113823	2.17%	0.175%
126	9.165	9.137	9.198	VV	7202	168662	3.21%	0.259%
127	9.237	9.198	9.262	VV	15996	282251	5.37%	0.433%
128	9.283	9.262	9.330	VV	4616	135509	2.58%	0.208%
129	9.355	9.330	9.375	VV	13113	184244	3.50%	0.283%
130	9.390	9.375	9.410	VV	6274	88790	1.69%	0.136%
131	9.429	9.410	9.449	VV	5105	86758	1.65%	0.133%
132	9.480	9.449	9.497	VV	5533	112898	2.15%	0.173%
133	9.527	9.497	9.550	VV	40730	488939	9.30%	0.750%
134	9.569	9.550	9.591	VV	12376	164347	3.13%	0.252%
135	9.608	9.591	9.651	VV	3054	83201	1.58%	0.128%
136	9.686	9.651	9.703	VV	9749	138087	2.63%	0.212%
137	9.718	9.703	9.750	VV	8768	118564	2.26%	0.182%
138	9.763	9.750	9.779	VV	1744	27075	0.52%	0.042%
139	9.825	9.779	9.846	VV	9041	174945	3.33%	0.268%
140	9.859	9.846	9.878	VV	2773	44228	0.84%	0.068%
141	9.907	9.878	9.922	VV	7054	108089	2.06%	0.166%
142	9.933	9.922	9.958	VV	5464	85295	1.62%	0.131%
143	9.990	9.958	10.016	VV	12341	199719	3.80%	0.306%
144	10.033	10.016	10.047	VV	4711	65350	1.24%	0.100%
145	10.064	10.047	10.075	VV	5132	67483	1.28%	0.104%
146	10.088	10.075	10.100	VV	5834	71590	1.36%	0.110%
147	10.113	10.100	10.138	VV	5523	92931	1.77%	0.143%
148	10.147	10.138	10.160	VV	2909	34832	0.66%	0.053%
149	10.185	10.160	10.213	VV	53679	592940	11.28%	0.909%
150	10.239	10.213	10.276	VV	4684	143818	2.74%	0.221%
151	10.311	10.276	10.373	VV	28611	453778	8.63%	0.696%
152	10.424	10.373	10.467	VV	2746	114595	2.18%	0.176%
153	10.495	10.467	10.570	VV	3571	97939	1.86%	0.150%
154	10.594	10.570	10.609	VV	1255	23601	0.45%	0.036%
155	10.620	10.609	10.631	VV	1073	13472	0.26%	0.021%

156	10.660	10.631	10.682	VV	13216	174284	3.32%	0.267%
157	10.702	10.682	10.728	VV	8641	130171	2.48%	0.200%
158	10.764	10.728	10.777	VV	4750	92004	1.75%	0.141%
159	10.793	10.777	10.817	VV	6398	92304	1.76%	0.142%
160	10.839	10.817	10.881	VV	8202	135005	2.57%	0.207%
161	10.926	10.881	10.951	VV	3716	112126	2.13%	0.172%
162	10.978	10.951	11.023	VV	4293	129710	2.47%	0.199%
163	11.053	11.023	11.098	VV	23699	339295	6.45%	0.520%
164	11.126	11.098	11.211	VV	14326	287861	5.48%	0.442%
165	11.221	11.211	11.235	VV	1370	17182	0.33%	0.026%
166	11.275	11.235	11.293	VV	1818	50737	0.97%	0.078%
167	11.325	11.293	11.360	VV	12692	199135	3.79%	0.305%
168	11.399	11.360	11.431	VV	4912	117784	2.24%	0.181%
169	11.450	11.431	11.487	VV	2853	64861	1.23%	0.099%
170	11.510	11.487	11.548	VV	2473	57724	1.10%	0.089%
171	11.565	11.548	11.585	VV	1858	29289	0.56%	0.045%
172	11.630	11.585	11.653	VV	2769	68333	1.30%	0.105%
173	11.687	11.653	11.704	VV	2441	57926	1.10%	0.089%
174	11.760	11.704	11.815	VV	17385	292092	5.56%	0.448%
175	11.851	11.815	11.900	VV	7437	144125	2.74%	0.221%
176	11.921	11.900	11.941	VV	1824	29062	0.55%	0.045%
177	11.980	11.941	12.001	VV	2925	56559	1.08%	0.087%
178	12.022	12.001	12.041	VV	1759	32792	0.62%	0.050%
179	12.089	12.041	12.117	VV	385407	4250272	80.85%	6.519%
180	12.129	12.117	12.145	VV	5439	64613	1.23%	0.099%
181	12.162	12.145	12.185	VV	6908	89377	1.70%	0.137%
182	12.195	12.185	12.209	VV	1462	18601	0.35%	0.029%
183	12.247	12.209	12.263	VV	2640	55395	1.05%	0.085%
184	12.280	12.263	12.296	VV	3398	41995	0.80%	0.064%
185	12.313	12.296	12.351	VV	3436	50947	0.97%	0.078%
186	12.378	12.351	12.393	VV	858	16161	0.31%	0.025%
187	12.433	12.393	12.461	VV	12989	188935	3.59%	0.290%
188	12.493	12.461	12.505	VV	1590	30376	0.58%	0.047%
189	12.531	12.505	12.576	VV	14976	257219	4.89%	0.395%
190	12.592	12.576	12.622	VV	4188	72840	1.39%	0.112%
191	12.635	12.622	12.648	VV	1766	22820	0.43%	0.035%
192	12.680	12.648	12.732	VV	33395	405360	7.71%	0.622%
193	12.744	12.732	12.761	VV	1368	21357	0.41%	0.033%
194	12.778	12.761	12.795	VV	1833	27772	0.53%	0.043%
195	12.814	12.795	12.832	VV	1488	29904	0.57%	0.046%
196	12.850	12.832	12.866	VV	1789	28844	0.55%	0.044%
197	12.879	12.866	12.907	VV	1379	28174	0.54%	0.043%
198	12.925	12.907	12.962	VV	2348	48547	0.92%	0.074%
199	12.994	12.962	13.007	VV	1258	24574	0.47%	0.038%

rteres

200	13.037	13.007	13.053	VV	3911	61697	1.17%	0.095%
201	13.075	13.053	13.123	VV	10957	155595	2.96%	0.239%
202	13.154	13.123	13.209	VV	15353	216995	4.13%	0.333%
203	13.290	13.209	13.314	PV	943	23954	0.46%	0.037%
204	13.344	13.314	13.382	VV	1232	31785	0.60%	0.049%
205	13.401	13.382	13.425	VV	768	12213	0.23%	0.019%
206	13.455	13.425	13.487	PV	12692	158238	3.01%	0.243%
207	13.526	13.487	13.615	VV	268936	3157967	60.07%	4.844%
208	13.626	13.615	13.667	VV	1025	21317	0.41%	0.033%
209	13.691	13.667	13.715	VV	5696	73395	1.40%	0.113%
210	13.726	13.715	13.767	VV	1274	29970	0.57%	0.046%
211	13.785	13.767	13.831	VV	1309	22474	0.43%	0.034%
212	13.851	13.831	13.863	PV	723	7815	0.15%	0.012%
213	13.883	13.863	13.894	VV	740	10799	0.21%	0.017%
214	13.920	13.894	13.987	VV	2827	54840	1.04%	0.084%
215	14.045	13.987	14.091	VV	2439	49278	0.94%	0.076%
216	14.114	14.091	14.131	VV	795	13094	0.25%	0.020%
217	14.153	14.131	14.178	VV	1119	22336	0.42%	0.034%
218	14.196	14.178	14.215	VV	1875	24915	0.47%	0.038%
219	14.231	14.215	14.255	VV	1158	17709	0.34%	0.027%
220	14.278	14.255	14.310	VV	3917	61567	1.17%	0.094%
221	14.326	14.310	14.350	VV	1778	27908	0.53%	0.043%
222	14.367	14.350	14.391	VV	1416	19820	0.38%	0.030%
223	14.413	14.391	14.458	VV	961	17418	0.33%	0.027%
224	14.504	14.458	14.542	PV	988	25673	0.49%	0.039%
225	14.550	14.542	14.561	VV	296	2676	0.05%	0.004%
226	14.578	14.561	14.594	VV	293	3698	0.07%	0.006%
227	14.609	14.594	14.624	VV	235	2543	0.05%	0.004%
228	14.646	14.624	14.655	PV	393	4193	0.08%	0.006%
229	14.688	14.655	14.705	VV	1246	25518	0.49%	0.039%
230	14.716	14.705	14.738	VV	1191	16440	0.31%	0.025%
231	14.749	14.738	14.764	VV	796	10787	0.21%	0.017%
232	14.786	14.764	14.820	VV	1644	30013	0.57%	0.046%
233	14.845	14.820	14.868	VV	2842	40064	0.76%	0.061%
234	14.882	14.868	14.898	VV	1002	14693	0.28%	0.023%
235	14.916	14.898	14.935	VV	920	16338	0.31%	0.025%
236	14.965	14.935	15.006	VV	1335	32728	0.62%	0.050%
237	15.029	15.006	15.048	PV	1986	27405	0.52%	0.042%
238	15.089	15.048	15.134	VV	1501	41299	0.79%	0.063%
239	15.155	15.134	15.183	VV	453	5401	0.10%	0.008%
240	15.219	15.183	15.266	VV	690	19759	0.38%	0.030%
241	15.296	15.266	15.308	VV	810	12087	0.23%	0.019%
242	15.341	15.308	15.362	VV	8458	120125	2.29%	0.184%

rteres

243	15.383	15.362	15.412	VV	11222	149600	2.85%	0.229%
244	15.433	15.412	15.455	VV	1654	25421	0.48%	0.039%
245	15.503	15.455	15.558	VV	1633	32814	0.62%	0.050%
246	15.579	15.558	15.614	VV	864	14773	0.28%	0.023%
247	15.645	15.614	15.668	PV	825	16543	0.31%	0.025%
248	15.692	15.668	15.734	VV	634	14425	0.27%	0.022%
249	15.776	15.734	15.858	VV	19073	394875	7.51%	0.606%
250	15.871	15.858	15.883	VV	684	8336	0.16%	0.013%
251	15.908	15.883	15.943	VV	3403	58322	1.11%	0.089%
252	15.990	15.943	16.040	VV	6117	127229	2.42%	0.195%
253	16.055	16.040	16.073	VV	895	10436	0.20%	0.016%
254	16.101	16.073	16.115	VV	573	10213	0.19%	0.016%
255	16.173	16.115	16.207	VV	1158	36985	0.70%	0.057%
256	16.255	16.207	16.270	VV	679	15452	0.29%	0.024%
257	16.310	16.270	16.325	VV	914	21566	0.41%	0.033%
258	16.341	16.325	16.361	VV	760	11217	0.21%	0.017%
259	16.375	16.361	16.388	VV	853	9462	0.18%	0.015%
260	16.409	16.388	16.432	VV	3291	43429	0.83%	0.067%
261	16.448	16.432	16.528	VV	1011	26410	0.50%	0.041%
262	16.535	16.528	16.545	VV	200	1189	0.02%	0.002%
263	16.631	16.545	16.666	PV	650	25404	0.48%	0.039%
264	16.717	16.666	16.738	PV	1699	32413	0.62%	0.050%
265	16.799	16.738	16.854	VV	3228	92465	1.76%	0.142%
266	16.904	16.854	16.924	VV	11314	192704	3.67%	0.296%
267	16.934	16.924	16.961	VV	5372	67578	1.29%	0.104%
268	16.979	16.961	17.006	VV	1351	18745	0.36%	0.029%
269	17.038	17.006	17.103	PV	2099	45983	0.87%	0.071%
270	17.157	17.103	17.173	VV	808	19968	0.38%	0.031%
271	17.230	17.173	17.258	VV	6205	117598	2.24%	0.180%
272	17.287	17.258	17.318	VV	9091	134112	2.55%	0.206%
273	17.363	17.318	17.381	VV	5455	94964	1.81%	0.146%
274	17.392	17.381	17.424	VV	2978	56091	1.07%	0.086%
275	17.439	17.424	17.469	VV	1470	21595	0.41%	0.033%
276	17.550	17.469	17.564	PV	453	24879	0.47%	0.038%
277	17.654	17.564	17.678	PV	808	26655	0.51%	0.041%
278	17.694	17.678	17.706	VV	617	7720	0.15%	0.012%
279	17.749	17.706	17.771	VV	1606	28943	0.55%	0.044%
280	17.814	17.771	17.841	VV	7852	121835	2.32%	0.187%
281	17.868	17.841	17.882	VV	949	13624	0.26%	0.021%
282	17.902	17.882	17.925	VV	1256	17007	0.32%	0.026%
283	17.951	17.925	17.976	VV	1811	30673	0.58%	0.047%
284	18.002	17.976	18.018	VV	995	15027	0.29%	0.023%
285	18.055	18.018	18.068	VV	428	11080	0.21%	0.017%

rteres

286	18.169	18.068	18.182	VV	1311	40540	0.77%	0.062%
287	18.208	18.182	18.228	VV	2026	38177	0.73%	0.059%
288	18.254	18.228	18.301	VV	8557	151978	2.89%	0.233%
289	18.345	18.301	18.365	VV	2088	35834	0.68%	0.055%
290	18.385	18.365	18.401	VV	1164	14977	0.28%	0.023%
291	18.427	18.401	18.438	VV	1751	25190	0.48%	0.039%
292	18.456	18.438	18.477	VV	1183	21229	0.40%	0.033%
293	18.504	18.477	18.537	VV	1598	29157	0.55%	0.045%
294	18.591	18.537	18.601	PV	3167	60454	1.15%	0.093%
295	18.625	18.601	18.641	VV	7839	136395	2.59%	0.209%
296	18.667	18.641	18.732	VV	13934	433702	8.25%	0.665%
297	18.791	18.732	18.812	VV	3293	84570	1.61%	0.130%
298	18.826	18.812	18.875	VV	2109	48596	0.92%	0.075%
299	18.920	18.875	18.974	VV	13356	261164	4.97%	0.401%
300	18.992	18.974	19.018	VV	2654	60023	1.14%	0.092%
301	19.087	19.018	19.115	VV	11102	304777	5.80%	0.467%
302	19.128	19.115	19.146	VV	4597	77900	1.48%	0.119%
303	19.190	19.146	19.238	VV	10875	338579	6.44%	0.519%
304	19.262	19.238	19.294	VV	5394	153840	2.93%	0.236%
305	19.312	19.294	19.335	VV	4645	102370	1.95%	0.157%
306	19.366	19.335	19.395	VV	5747	186097	3.54%	0.285%
307	19.428	19.395	19.447	VV	14411	298794	5.68%	0.458%
308	19.476	19.447	19.534	VV	15705	577005	10.98%	0.885%
309	19.642	19.534	19.660	VV	10131	672484	12.79%	1.031%
310	19.692	19.660	19.711	VV	10886	308750	5.87%	0.474%
311	19.737	19.711	19.747	VV	11125	235570	4.48%	0.361%
312	19.769	19.747	19.778	VV	11604	209146	3.98%	0.321%
313	19.791	19.778	19.838	VV	11550	384190	7.31%	0.589%
314	19.873	19.838	19.891	VV	14886	393996	7.50%	0.604%
315	19.907	19.891	19.925	VV	12454	246036	4.68%	0.377%
316	19.949	19.925	19.965	VV	14150	305142	5.80%	0.468%
317	20.075	19.965	20.091	VV	19102	1214327	23.10%	1.863%
318	20.181	20.091	20.215	VV	23454	1506826	28.66%	2.311%
319	20.245	20.215	20.288	VV	42250	1177513	22.40%	1.806%
320	20.616	20.288	20.635	VV	32590	5256740	100.00%	8.063%
321	20.648	20.635	20.681	VV	31106	843949	16.05%	1.294%
322	20.795	20.681	20.811	VV	40249	2599083	49.44%	3.987%
323	20.826	20.811	20.928	VV	38651	2537960	48.28%	3.893%
324	20.979	20.928	21.028	VV	34408	1982895	37.72%	3.041%
325	21.072	21.028	21.084	VV	33583	1110171	21.12%	1.703%
326	21.123	21.084	21.195	VV	35464	2177087	41.42%	3.339%
327	21.207	21.195	21.297	VV	29658	1693846	32.22%	2.598%
328	21.321	21.297	21.374	VV	26406	1119298	21.29%	1.717%
329	21.397	21.374	21.450	VV	23142	991955	18.87%	1.521%

rteres

330	21.533	21.450	21.552	VV	23769	1364535	25.96%	2.093%
331	21.570	21.552	21.651	VV	22963	1247262	23.73%	1.913%
332	21.657	21.651	21.675	VV	18517	255006	4.85%	0.391%
333	21.718	21.675	21.762	VV	18374	927683	17.65%	1.423%
334	21.836	21.762	21.951	VV	18521	1864894	35.48%	2.860%
335	21.996	21.951	22.008	VV	13171	433004	8.24%	0.664%
336	22.024	22.008	22.090	VV	12332	525192	9.99%	0.806%
337	22.138	22.090	22.155	VV	8047	296216	5.63%	0.454%
338	22.167	22.155	22.186	VV	7143	125832	2.39%	0.193%
339	22.285	22.186	22.320	VV	8638	597716	11.37%	0.917%
340	22.330	22.320	22.366	VV	7439	180735	3.44%	0.277%
341	22.384	22.366	22.445	VV	6357	248407	4.73%	0.381%
342	22.452	22.445	22.466	VV	3560	43271	0.82%	0.066%
343	22.477	22.466	22.550	VV	3227	90510	1.72%	0.139%

Sum of corrected areas: 65197037

Aliphatic EPH 080125.M Wed Aug 13 06:36:24 2025

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/01/25
Project:	11 Newman Ave Nutley	Date Received:	08/01/25
Client Sample ID:	2	SDG No.:	Q2757
Lab Sample ID:	Q2757-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/11/25 11:45	08/12/25 11:52	PB169208

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	8.98		1	1.10	4.84	mg/kg	FE055251.D
Total EPH	Total EPH	8.98			1.10	4.84	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:	Sciacca General Contractors, LLC	Date Collected:	08/01/25
Project:	11 Newman Ave Nutley	Date Received:	08/01/25
Client Sample ID:	2	SDG No.:	Q2757
Lab Sample ID:	Q2757-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055251.D	1	08/11/25	08/12/25	PB169208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.98		1.10	4.84	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.0		1.43	2.42	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	56.7		40 - 140	113%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.4		40 - 140	55%	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:	Q2757-04	Acq On:	12 Aug 2025 11:52
Client Sample ID:	2	Operator:	YP\AJ
Data file:	FE055251.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.959	1030188	8.821	300	ug/ml
Aliphatic C12-C16	6.960	10.413	7166262	57.226	200	ug/ml
Aliphatic C16-C21	10.414	13.793	4026183	31.851	300	ug/ml
Aliphatic C21-C28	13.794	17.466	1623033	13.469	400	ug/ml
Aliphatic C28-C40	17.467	22.498	33986904	298.164	600	ug/ml
Aliphatic EPH	3.323	22.498	47832570	409.532		ug/ml
ortho-Terphenyl (SURR)	12.089	12.089	3918936	27.44		ug/ml
1-chlorooctadecane (SURR)	13.528	13.528	6094054	56.68		ug/ml
Aliphatic C9-C28	3.323	17.466	13845666	111.367	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055251.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 11:52
Operator : YP\AJ
Sample : Q2757-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
2

Integration File: autoint1.e
Quant Time: Aug 13 04:01:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.089	3918936	27.443 ug/ml
Spiked Amount 50.000		Recovery =	54.89%
12) S 1-chlorooctadecane (S...	13.528	6094054	56.676 ug/ml
Spiked Amount 50.000		Recovery =	113.35%
Target Compounds			

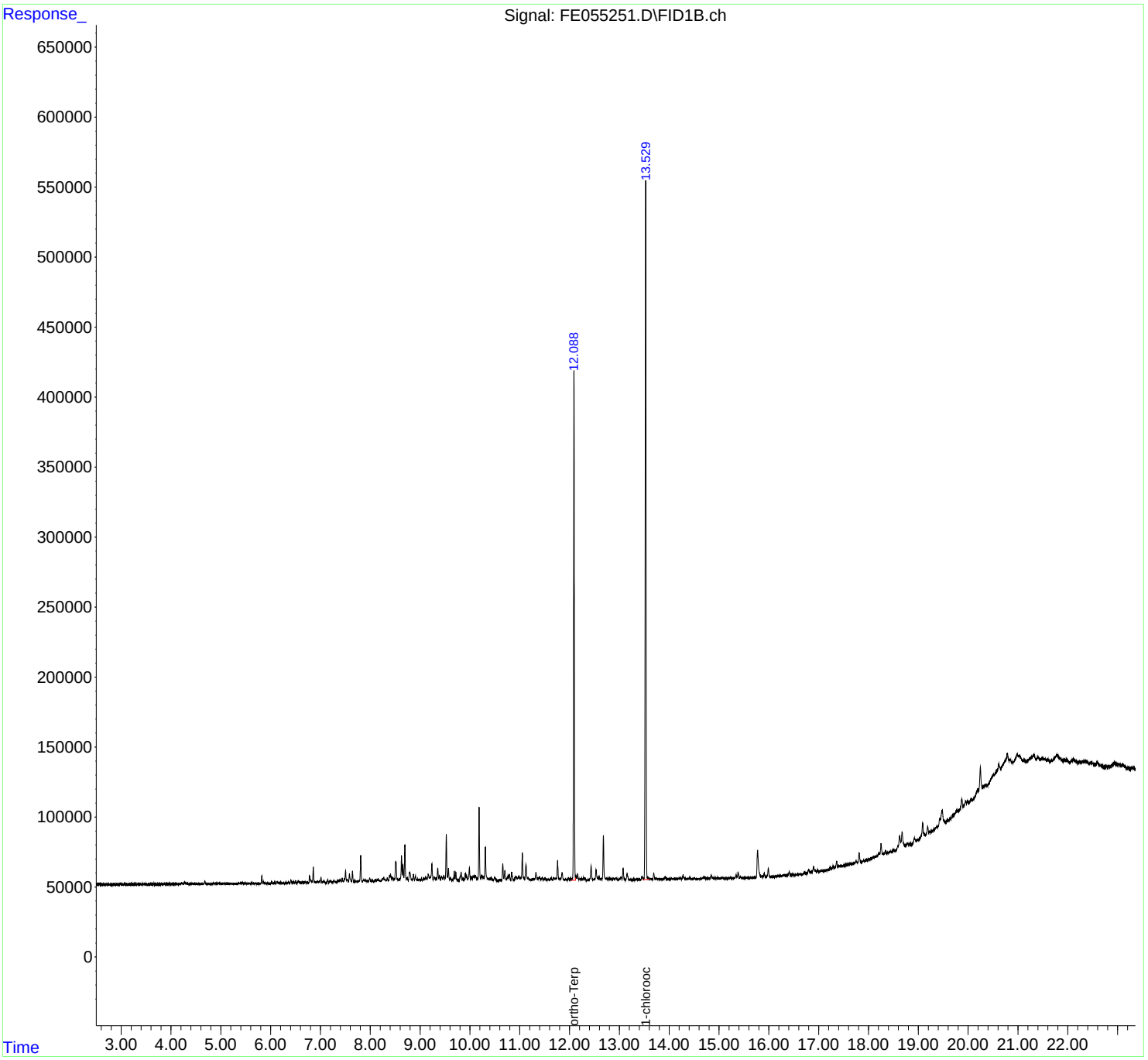
(f)=RT Delta > 1/2 Window (m)=manual int.

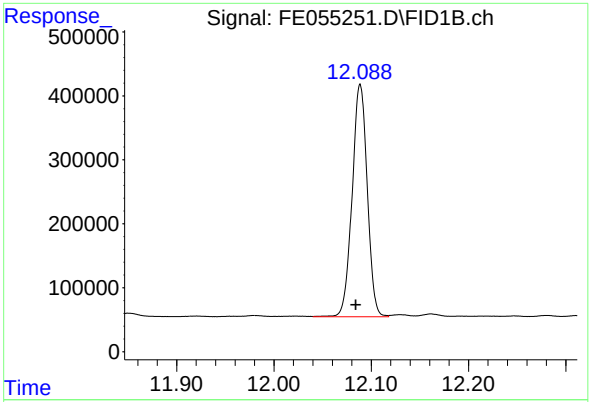
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055251.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 11:52
Operator : YP\AJ
Sample : Q2757-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
2

Integration File: autoint1.e
Quant Time: Aug 13 04:01:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

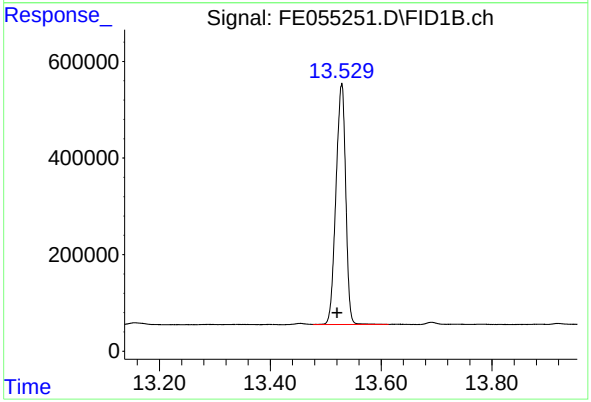




#9 ortho-Terphenyl (SURR)

R.T.: 12.089 min
Delta R.T.: 0.005 min
Response: 3918936
Conc: 27.44 ug/ml

Instrument :
FID_E
ClientSampleId :
2



#12 1-chlorooctadecane (SURR)

R.T.: 13.528 min
Delta R.T.: 0.008 min
Response: 6094054
Conc: 56.68 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055251.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 11:52
Sample : Q2757-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.847	2.804	2.944	BV	233	1676	0.03%	0.003%
2	2.963	2.944	3.011	PV	123	2574	0.04%	0.004%
3	3.039	3.011	3.051	VV	239	2723	0.04%	0.005%
4	3.055	3.051	3.133	VV	207	5687	0.09%	0.010%
5	3.157	3.133	3.175	VV	150	1984	0.03%	0.003%
6	3.195	3.175	3.254	VV	169	4100	0.07%	0.007%
7	3.305	3.254	3.322	PV	169	4467	0.07%	0.008%
8	3.331	3.322	3.339	VV	190	1223	0.02%	0.002%
9	3.357	3.339	3.372	VV	143	1987	0.03%	0.003%
10	3.421	3.372	3.461	VV	392	7112	0.12%	0.012%
11	3.475	3.461	3.498	VV	158	1958	0.03%	0.003%
12	3.507	3.498	3.530	VV	104	1015	0.02%	0.002%
13	3.570	3.530	3.581	VV	197	3417	0.06%	0.006%
14	3.599	3.581	3.611	VV	186	2630	0.04%	0.005%
15	3.637	3.611	3.681	VV	248	6261	0.10%	0.011%
16	3.694	3.681	3.781	VV	207	6885	0.11%	0.012%
17	3.805	3.781	3.849	VV	154	4662	0.08%	0.008%
18	3.872	3.849	3.919	VV	427	7293	0.12%	0.013%
19	3.956	3.919	3.999	VV	198	4865	0.08%	0.008%
20	4.014	3.999	4.091	VV	182	5409	0.09%	0.009%
21	4.115	4.091	4.174	VV	223	7042	0.11%	0.012%
22	4.216	4.174	4.240	VV	1108	16446	0.27%	0.028%
23	4.269	4.240	4.314	VV	1701	29144	0.48%	0.050%
24	4.330	4.314	4.388	VV	528	11998	0.20%	0.021%
25	4.408	4.388	4.438	VV	421	8512	0.14%	0.015%

26	4.453	4.438	4.548	VV	483	15764	0.26%	0.027%
27	4.578	4.548	4.604	VV	258	6194	0.10%	0.011%
28	4.680	4.604	4.742	VV	2309	41986	0.69%	0.072%
29	4.755	4.742	4.828	VV	309	10206	0.17%	0.018%
30	4.851	4.828	4.882	VV	573	12461	0.20%	0.022%
31	4.900	4.882	4.914	VV	415	6255	0.10%	0.011%
32	4.931	4.914	4.948	VV	375	6298	0.10%	0.011%
33	4.966	4.948	4.983	VV	884	10165	0.17%	0.018%
34	4.999	4.983	5.008	VV	302	3451	0.06%	0.006%
35	5.026	5.008	5.062	VV	378	8984	0.15%	0.016%
36	5.102	5.062	5.121	VV	416	9612	0.16%	0.017%
37	5.144	5.121	5.170	VV	511	8327	0.14%	0.014%
38	5.206	5.170	5.237	PV	342	7270	0.12%	0.013%
39	5.265	5.237	5.280	VV	208	3752	0.06%	0.006%
40	5.295	5.280	5.321	VV	277	4235	0.07%	0.007%
41	5.360	5.321	5.376	VV	540	8885	0.15%	0.015%
42	5.393	5.376	5.418	VV	1015	13861	0.23%	0.024%
43	5.436	5.418	5.461	VV	866	12346	0.20%	0.021%
44	5.475	5.461	5.485	VV	475	4388	0.07%	0.008%
45	5.502	5.485	5.544	VV	893	11718	0.19%	0.020%
46	5.561	5.544	5.574	VV	152	1546	0.03%	0.003%
47	5.578	5.574	5.584	VV	109	501	0.01%	0.001%
48	5.627	5.584	5.691	VV	636	17721	0.29%	0.031%
49	5.700	5.691	5.724	VV	295	4285	0.07%	0.007%
50	5.741	5.724	5.757	VV	224	3043	0.05%	0.005%
51	5.766	5.757	5.786	VV	212	1929	0.03%	0.003%
52	5.822	5.786	5.843	VV	5773	60855	0.99%	0.105%
53	5.858	5.843	5.873	VV	1229	15145	0.25%	0.026%
54	5.884	5.873	5.914	VV	749	10211	0.17%	0.018%
55	5.937	5.914	5.994	VV	442	9860	0.16%	0.017%
56	6.019	5.994	6.058	VV	1244	20360	0.33%	0.035%
57	6.074	6.058	6.102	VV	798	13281	0.22%	0.023%
58	6.124	6.102	6.167	VV	1397	30777	0.50%	0.053%
59	6.192	6.167	6.205	VV	773	10481	0.17%	0.018%
60	6.216	6.205	6.231	VV	479	5229	0.09%	0.009%
61	6.259	6.231	6.286	VV	474	8408	0.14%	0.015%
62	6.306	6.286	6.328	PV	648	7606	0.12%	0.013%
63	6.360	6.328	6.382	VV	701	13052	0.21%	0.023%
64	6.408	6.382	6.440	VV	2408	39742	0.65%	0.069%
65	6.456	6.440	6.483	VV	1261	21215	0.35%	0.037%
66	6.501	6.483	6.528	VV	1990	26728	0.44%	0.046%
67	6.563	6.528	6.615	VV	1642	42185	0.69%	0.073%
68	6.633	6.615	6.651	VV	909	13952	0.23%	0.024%
69	6.691	6.651	6.712	VV	1222	29259	0.48%	0.051%

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70	6.734	6.712	6.760	VV	825	17262	0.28%	0.030%
71	6.781	6.760	6.831	VV	5437	101153	1.65%	0.175%
72	6.857	6.831	6.904	VV	11530	141749	2.31%	0.245%
73	6.934	6.904	6.960	VV	1346	28636	0.47%	0.049%
74	6.976	6.960	6.992	VV	1333	20281	0.33%	0.035%
75	7.011	6.992	7.033	VV	4264	51065	0.83%	0.088%
76	7.060	7.033	7.103	VV	1526	38623	0.63%	0.067%
77	7.148	7.103	7.167	VV	2617	39342	0.64%	0.068%
78	7.191	7.167	7.238	VV	1569	39655	0.65%	0.068%
79	7.273	7.238	7.298	VV	2108	38497	0.63%	0.066%
80	7.312	7.298	7.322	VV	811	9935	0.16%	0.017%
81	7.344	7.322	7.358	VV	1609	25201	0.41%	0.044%
82	7.393	7.358	7.417	VV	2370	60624	0.99%	0.105%
83	7.437	7.417	7.461	VV	3525	50883	0.83%	0.088%
84	7.504	7.461	7.525	VV	8890	140905	2.30%	0.243%
85	7.538	7.525	7.562	VV	2682	40215	0.66%	0.069%
86	7.582	7.562	7.623	VV	6555	106566	1.74%	0.184%
87	7.644	7.623	7.669	VV	8380	98997	1.62%	0.171%
88	7.686	7.669	7.705	VV	1678	26307	0.43%	0.045%
89	7.717	7.705	7.751	VV	1171	28291	0.46%	0.049%
90	7.773	7.751	7.781	VV	1394	21174	0.35%	0.037%
91	7.809	7.781	7.842	VV	19734	233795	3.82%	0.404%
92	7.864	7.842	7.884	VV	1867	38358	0.63%	0.066%
93	7.898	7.884	7.921	VV	2068	36931	0.60%	0.064%
94	7.934	7.921	7.958	VV	1412	27074	0.44%	0.047%
95	7.988	7.958	8.011	VV	3296	61481	1.00%	0.106%
96	8.044	8.011	8.061	VV	2133	42851	0.70%	0.074%
97	8.072	8.061	8.082	VV	1035	11637	0.19%	0.020%
98	8.106	8.082	8.128	VV	2140	42328	0.69%	0.073%
99	8.154	8.128	8.171	VV	2560	49149	0.80%	0.085%
100	8.183	8.171	8.198	VV	1693	23086	0.38%	0.040%
101	8.271	8.198	8.288	VV	3696	118220	1.93%	0.204%
102	8.297	8.288	8.320	VV	2309	36461	0.60%	0.063%
103	8.342	8.320	8.363	VV	3341	55680	0.91%	0.096%
104	8.407	8.363	8.427	VV	6018	146814	2.40%	0.253%
105	8.442	8.427	8.468	VV	4028	76016	1.24%	0.131%
106	8.513	8.468	8.562	VV	15042	334263	5.46%	0.577%
107	8.582	8.562	8.594	VV	2181	39403	0.64%	0.068%
108	8.627	8.594	8.643	VV	19024	242031	3.95%	0.418%
109	8.655	8.643	8.673	VV	12865	148141	2.42%	0.256%
110	8.695	8.673	8.723	VV	26998	327738	5.35%	0.566%
111	8.741	8.723	8.761	VV	3651	60848	0.99%	0.105%
112	8.792	8.761	8.847	VV	7243	192424	3.14%	0.332%

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113	8.867	8.847	8.891	VV	5720	86338	1.41%	0.149%
114	8.907	8.891	8.938	VV	4617	79435	1.30%	0.137%
115	8.953	8.938	8.966	VV	2295	31376	0.51%	0.054%
116	8.978	8.966	9.011	VV	1997	46258	0.76%	0.080%
117	9.027	9.011	9.044	VV	2060	32422	0.53%	0.056%
118	9.062	9.044	9.086	VV	2770	56578	0.92%	0.098%
119	9.117	9.086	9.137	VV	3599	88311	1.44%	0.152%
120	9.166	9.137	9.198	VV	5590	135454	2.21%	0.234%
121	9.236	9.198	9.263	VV	13224	226419	3.70%	0.391%
122	9.283	9.263	9.330	VV	3668	108887	1.78%	0.188%
123	9.354	9.330	9.375	VV	9899	142727	2.33%	0.246%
124	9.390	9.375	9.411	VV	4819	70107	1.14%	0.121%
125	9.429	9.411	9.451	VV	4026	70520	1.15%	0.122%
126	9.480	9.451	9.497	VV	4371	87352	1.43%	0.151%
127	9.526	9.497	9.550	VV	33981	406516	6.64%	0.702%
128	9.569	9.550	9.591	VV	9606	129558	2.12%	0.224%
129	9.609	9.591	9.641	VV	2572	60146	0.98%	0.104%
130	9.649	9.641	9.656	VV	1552	13799	0.23%	0.024%
131	9.686	9.656	9.703	VV	7565	105123	1.72%	0.182%
132	9.718	9.703	9.780	VV	6905	115535	1.89%	0.199%
133	9.824	9.780	9.846	VV	6853	138454	2.26%	0.239%
134	9.859	9.846	9.880	VV	2386	38553	0.63%	0.067%
135	9.907	9.880	9.922	VV	5754	87190	1.42%	0.151%
136	9.932	9.922	9.958	VV	4434	69387	1.13%	0.120%
137	9.990	9.958	10.016	VV	10028	161312	2.63%	0.279%
138	10.033	10.016	10.048	VV	3925	55834	0.91%	0.096%
139	10.064	10.048	10.075	VV	4184	55447	0.91%	0.096%
140	10.088	10.075	10.100	VV	4724	57227	0.93%	0.099%
141	10.113	10.100	10.136	VV	4581	72371	1.18%	0.125%
142	10.146	10.136	10.160	VV	2479	32346	0.53%	0.056%
143	10.185	10.160	10.214	VV	53129	579144	9.45%	1.000%
144	10.241	10.214	10.286	VV	3920	140758	2.30%	0.243%
145	10.310	10.286	10.381	VV	24601	378129	6.17%	0.653%
146	10.395	10.381	10.404	VV	1965	25959	0.42%	0.045%
147	10.422	10.404	10.467	VV	2318	65468	1.07%	0.113%
148	10.495	10.467	10.574	VV	2947	86073	1.41%	0.149%
149	10.593	10.574	10.611	VV	1141	20485	0.33%	0.035%
150	10.661	10.611	10.682	VV	12566	172987	2.82%	0.299%
151	10.702	10.682	10.728	VV	7684	112151	1.83%	0.194%
152	10.764	10.728	10.777	VV	3885	76271	1.25%	0.132%
153	10.792	10.777	10.818	VV	5128	76079	1.24%	0.131%
154	10.839	10.818	10.878	VV	6752	111323	1.82%	0.192%
155	10.925	10.878	10.951	VV	3106	96490	1.58%	0.167%

156	10.979	10.951	11.024	VV	3521	110352	1.80%	0.191%
157	11.053	11.024	11.099	VV	20468	291008	4.75%	0.502%
158	11.126	11.099	11.212	VV	11804	246717	4.03%	0.426%
159	11.221	11.212	11.231	VV	1136	11276	0.18%	0.019%
160	11.279	11.231	11.294	VV	1533	48575	0.79%	0.084%
161	11.325	11.294	11.360	VV	6145	114898	1.88%	0.198%
162	11.398	11.360	11.419	VV	2925	74382	1.21%	0.128%
163	11.451	11.419	11.485	VV	2339	63860	1.04%	0.110%
164	11.510	11.485	11.548	VV	2189	50790	0.83%	0.088%
165	11.564	11.548	11.601	VV	1453	32609	0.53%	0.056%
166	11.629	11.601	11.653	VV	2223	47028	0.77%	0.081%
167	11.688	11.653	11.706	VV	2353	53036	0.87%	0.092%
168	11.760	11.706	11.786	VV	14500	214333	3.50%	0.370%
169	11.798	11.786	11.820	VV	1762	31664	0.52%	0.055%
170	11.850	11.820	11.897	VV	5977	113427	1.85%	0.196%
171	11.920	11.897	11.939	VV	1424	23152	0.38%	0.040%
172	11.980	11.939	11.998	VV	2250	44086	0.72%	0.076%
173	12.021	11.998	12.039	VV	1289	25135	0.41%	0.043%
174	12.089	12.039	12.118	VV	363746	3936055	64.26%	6.796%
175	12.130	12.118	12.145	VV	3459	44729	0.73%	0.077%
176	12.161	12.145	12.184	VV	4716	62659	1.02%	0.108%
177	12.193	12.184	12.204	VV	1136	12781	0.21%	0.022%
178	12.215	12.204	12.234	VV	1203	19702	0.32%	0.034%
179	12.247	12.234	12.262	VV	1610	18334	0.30%	0.032%
180	12.280	12.262	12.297	VV	2243	28744	0.47%	0.050%
181	12.313	12.297	12.350	VV	2063	31644	0.52%	0.055%
182	12.376	12.350	12.391	VV	636	11664	0.19%	0.020%
183	12.432	12.391	12.481	VV	10465	159389	2.60%	0.275%
184	12.532	12.481	12.577	VV	7785	148553	2.43%	0.256%
185	12.592	12.577	12.620	VV	2198	38205	0.62%	0.066%
186	12.634	12.620	12.651	VV	1290	18652	0.30%	0.032%
187	12.679	12.651	12.758	VV	31801	417204	6.81%	0.720%
188	12.778	12.758	12.793	VV	1322	24011	0.39%	0.041%
189	12.810	12.793	12.835	VV	1334	27272	0.45%	0.047%
190	12.849	12.835	12.865	VV	1246	18529	0.30%	0.032%
191	12.880	12.865	12.907	VV	1140	24273	0.40%	0.042%
192	12.925	12.907	12.981	VV	1701	41951	0.68%	0.072%
193	13.035	12.981	13.052	VV	2367	52276	0.85%	0.090%
194	13.075	13.052	13.124	VV	8675	120517	1.97%	0.208%
195	13.156	13.124	13.211	VV	4074	83281	1.36%	0.144%
196	13.233	13.211	13.264	VV	266	5356	0.09%	0.009%
197	13.288	13.264	13.313	VV	690	12028	0.20%	0.021%
198	13.341	13.313	13.381	VV	658	17321	0.28%	0.030%
199	13.399	13.381	13.421	VV	598	8290	0.14%	0.014%

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200	13.454	13.421	13.478	PV	2754	40767	0.67%	0.070%
201	13.528	13.478	13.614	VV	497674	6125633	100.00%	10.576%
202	13.629	13.614	13.665	VV	811	17792	0.29%	0.031%
203	13.691	13.665	13.719	VV	4935	67759	1.11%	0.117%
204	13.736	13.719	13.764	VV	903	18852	0.31%	0.033%
205	13.783	13.764	13.836	VV	885	19993	0.33%	0.035%
206	13.885	13.836	13.898	VV	824	16958	0.28%	0.029%
207	13.919	13.898	13.964	VV	2328	42581	0.70%	0.074%
208	13.969	13.964	13.996	VV	570	8125	0.13%	0.014%
209	14.044	13.996	14.077	VV	901	23979	0.39%	0.041%
210	14.136	14.077	14.170	VV	687	29531	0.48%	0.051%
211	14.197	14.170	14.212	VV	820	14877	0.24%	0.026%
212	14.230	14.212	14.251	VV	1187	18901	0.31%	0.033%
213	14.278	14.251	14.353	VV	3131	63072	1.03%	0.109%
214	14.368	14.353	14.388	VV	504	7421	0.12%	0.013%
215	14.413	14.388	14.464	VV	1255	20261	0.33%	0.035%
216	14.507	14.464	14.588	PV	559	14979	0.24%	0.026%
217	14.605	14.588	14.625	PV	202	2596	0.04%	0.004%
218	14.686	14.625	14.702	VV	1139	25158	0.41%	0.043%
219	14.717	14.702	14.746	VV	1494	21668	0.35%	0.037%
220	14.787	14.746	14.817	VV	761	18242	0.30%	0.031%
221	14.844	14.817	14.868	VV	2505	36515	0.60%	0.063%
222	14.880	14.868	14.901	VV	630	10387	0.17%	0.018%
223	14.917	14.901	14.938	VV	688	12089	0.20%	0.021%
224	14.964	14.938	14.980	VV	659	12808	0.21%	0.022%
225	14.990	14.980	15.011	VV	456	5886	0.10%	0.010%
226	15.032	15.011	15.050	VV	528	7900	0.13%	0.014%
227	15.067	15.050	15.136	VV	516	16177	0.26%	0.028%
228	15.153	15.136	15.181	VV	236	4028	0.07%	0.007%
229	15.222	15.181	15.231	PV	540	9601	0.16%	0.017%
230	15.238	15.231	15.288	VV	521	11333	0.19%	0.020%
231	15.342	15.288	15.361	VV	2453	41674	0.68%	0.072%
232	15.383	15.361	15.411	VV	4496	64450	1.05%	0.111%
233	15.432	15.411	15.458	VV	1236	17957	0.29%	0.031%
234	15.500	15.458	15.552	VV	374	12447	0.20%	0.021%
235	15.581	15.552	15.612	PV	442	6478	0.11%	0.011%
236	15.640	15.612	15.680	PV	257	6796	0.11%	0.012%
237	15.697	15.680	15.707	VV	152	1619	0.03%	0.003%
238	15.774	15.707	15.854	PV	19426	402316	6.57%	0.695%
239	15.861	15.854	15.884	VV	698	9462	0.15%	0.016%
240	15.907	15.884	15.948	VV	2742	45444	0.74%	0.078%
241	15.989	15.948	16.039	VV	6452	97627	1.59%	0.169%
242	16.057	16.039	16.079	VV	231	3500	0.06%	0.006%

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243	16.100	16.079	16.114	VV	125	1705	0.03%	0.003%
244	16.128	16.114	16.137	PV	89	788	0.01%	0.001%
245	16.178	16.137	16.208	PV	290	6465	0.11%	0.011%
246	16.231	16.208	16.240	VV	233	3085	0.05%	0.005%
247	16.251	16.240	16.261	VV	197	1969	0.03%	0.003%
248	16.305	16.261	16.329	VV	686	15790	0.26%	0.027%
249	16.340	16.329	16.351	VV	336	3766	0.06%	0.007%
250	16.410	16.351	16.436	VV	2728	43951	0.72%	0.076%
251	16.472	16.436	16.519	VV	471	11694	0.19%	0.020%
252	16.531	16.519	16.554	VV	169	2124	0.03%	0.004%
253	16.625	16.554	16.654	PV	263	8582	0.14%	0.015%
254	16.714	16.654	16.737	PV	1206	18350	0.30%	0.032%
255	16.798	16.737	16.838	VV	2494	59141	0.97%	0.102%
256	16.860	16.838	16.870	VV	708	11730	0.19%	0.020%
257	16.897	16.870	16.924	VV	4248	73904	1.21%	0.128%
258	16.934	16.924	16.954	VV	1202	15649	0.26%	0.027%
259	16.978	16.954	17.006	VV	1420	20923	0.34%	0.036%
260	17.039	17.006	17.078	PV	385	7973	0.13%	0.014%
261	17.231	17.078	17.254	PV	1257	10159	0.17%	0.018%
262	17.288	17.254	17.311	VV	1937	25985	0.42%	0.045%
263	17.362	17.311	17.384	VV	4817	79852	1.30%	0.138%
264	17.409	17.384	17.425	VV	986	20745	0.34%	0.036%
265	17.440	17.425	17.461	VV	934	13860	0.23%	0.024%
266	17.633	17.461	17.649	VV	636	55471	0.91%	0.096%
267	17.662	17.649	17.677	VV	450	5973	0.10%	0.010%
268	17.749	17.677	17.777	VV	1412	37342	0.61%	0.064%
269	17.813	17.777	17.848	VV	6783	102884	1.68%	0.178%
270	17.899	17.848	17.919	VV	890	12835	0.21%	0.022%
271	17.951	17.919	17.973	PV	574	10013	0.16%	0.017%
272	18.102	17.973	18.111	VV	819	33031	0.54%	0.057%
273	18.208	18.111	18.228	VV	2434	81015	1.32%	0.140%
274	18.252	18.228	18.293	VV	8884	150841	2.46%	0.260%
275	18.303	18.293	18.311	VV	875	8901	0.15%	0.015%
276	18.342	18.311	18.366	VV	2597	46932	0.77%	0.081%
277	18.390	18.366	18.403	VV	764	12823	0.21%	0.022%
278	18.425	18.403	18.433	VV	740	11882	0.19%	0.021%
279	18.447	18.433	18.467	VV	829	10787	0.18%	0.019%
280	18.500	18.467	18.538	VV	1367	29894	0.49%	0.052%
281	18.625	18.538	18.648	PV	9139	237152	3.87%	0.409%
282	18.676	18.648	18.732	VV	11277	268254	4.38%	0.463%
283	18.786	18.732	18.814	VV	1615	55350	0.90%	0.096%
284	18.824	18.814	18.864	VV	960	14667	0.24%	0.025%
285	18.921	18.864	18.951	PV	3975	77725	1.27%	0.134%

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286	18.988	18.951	18.998	VV	1437	36739	0.60%	0.063%
287	19.086	18.998	19.117	VV	11387	292419	4.77%	0.505%
288	19.129	19.117	19.146	VV	3085	48495	0.79%	0.084%
289	19.189	19.146	19.234	VV	7648	219096	3.58%	0.378%
290	19.271	19.234	19.282	VV	3062	87032	1.42%	0.150%
291	19.371	19.282	19.381	VV	4692	223410	3.65%	0.386%
292	19.429	19.381	19.441	VV	9715	235626	3.85%	0.407%
293	19.480	19.441	19.546	VV	14938	590138	9.63%	1.019%
294	19.598	19.546	19.618	VV	6019	241638	3.94%	0.417%
295	19.641	19.618	19.656	VV	6751	147810	2.41%	0.255%
296	19.697	19.656	19.708	VV	8120	229020	3.74%	0.395%
297	19.762	19.708	19.774	VV	10415	352020	5.75%	0.608%
298	19.798	19.774	19.811	VV	9965	216421	3.53%	0.374%
299	19.874	19.811	19.898	VV	17040	630768	10.30%	1.089%
300	19.949	19.898	19.967	VV	14629	521036	8.51%	0.900%
301	19.985	19.967	20.025	VV	13771	440586	7.19%	0.761%
302	20.066	20.025	20.086	VV	13508	472589	7.71%	0.816%
303	20.190	20.086	20.205	VV	18238	1090808	17.81%	1.883%
304	20.246	20.205	20.281	VV	34221	1080344	17.64%	1.865%
305	20.349	20.281	20.374	VV	19272	1066959	17.42%	1.842%
306	20.615	20.374	20.651	VV	30608	3974298	64.88%	6.862%
307	20.786	20.651	20.826	VV	35503	3172486	51.79%	5.478%
308	20.848	20.826	20.874	VV	29882	844195	13.78%	1.458%
309	20.881	20.874	20.908	VV	27718	547607	8.94%	0.945%
310	20.982	20.908	21.010	VV	32084	1812309	29.59%	3.129%
311	21.034	21.010	21.098	VV	29813	1481531	24.19%	2.558%
312	21.123	21.098	21.164	VV	25482	979774	15.99%	1.692%
313	21.316	21.164	21.364	VV	26500	2944367	48.07%	5.084%
314	21.397	21.364	21.449	VV	23298	1133500	18.50%	1.957%
315	21.482	21.449	21.527	VV	21188	959260	15.66%	1.656%
316	21.546	21.527	21.583	VV	19933	650198	10.61%	1.123%
317	21.602	21.583	21.650	VV	18220	695738	11.36%	1.201%
318	21.782	21.650	21.831	VV	19014	1884366	30.76%	3.254%
319	21.848	21.831	21.884	VV	15850	477076	7.79%	0.824%
320	21.900	21.884	21.914	VV	13152	231705	3.78%	0.400%
321	21.947	21.914	21.957	VV	12851	319970	5.22%	0.552%
322	21.968	21.957	22.043	VV	12711	578033	9.44%	0.998%
323	22.119	22.043	22.208	VV	10685	922316	15.06%	1.592%
324	22.244	22.208	22.261	VV	6861	215958	3.53%	0.373%
325	22.342	22.261	22.366	VV	5937	376815	6.15%	0.651%
326	22.384	22.366	22.431	VV	4911	160148	2.61%	0.277%
327	22.465	22.431	22.474	VV	2968	72518	1.18%	0.125%
328	22.484	22.474	22.561	VV	2552	66010	1.08%	0.114%

Sum of corrected areas: 57917466

Aliphatic EPH 080125.M Wed Aug 13 06:36:44 2025

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/01/25
Project:	11 Newman Ave Nutley	Date Received:	08/01/25
Client Sample ID:	3	SDG No.:	Q2757
Lab Sample ID:	Q2757-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.4
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
08/11/25 11:45	08/13/25 8:47	PB169208

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	113		2	2.23	9.81	mg/kg	FE055282.D
Total EPH	Total EPH	113			2.23	9.81	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:	Sciacca General Contractors, LLC	Date Collected:	08/01/25
Project:	11 Newman Ave Nutley	Date Received:	08/01/25
Client Sample ID:	3	SDG No.:	Q2757
Lab Sample ID:	Q2757-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.4
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
FE055252.D	1	08/11/25	08/12/25	PB169208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	109	E	1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	182	E	1.45	2.45	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.1		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.3		40 - 140	71%	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:	Q2757-05	Acq On:	12 Aug 2025 12:22
Client Sample ID:	3	Operator:	YP\AJ
Data file:	FE055252.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.959	1059224	9.07	300	ug/ml
Aliphatic C12-C16	6.960	10.413	1994231	15.925	200	ug/ml
Aliphatic C16-C21	10.414	13.793	7954846	62.931	300	ug/ml
Aliphatic C21-C28	13.794	17.466	150939281	1250	400	ug/ml
Aliphatic C28-C40	17.467	22.498	253740703	2230	600	ug/ml
Aliphatic EPH	3.323	22.498	415688285	3570		ug/ml
ortho-Terphenyl (SURR)	12.090	12.090	5038962	35.29		ug/ml
1-chlorooctadecane (SURR)	13.527	13.527	4200300	39.06		ug/ml
Aliphatic C9-C28	3.323	17.466	161947582	1340	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055252.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 12:22
Operator : YP\AJ
Sample : Q2757-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
3

Integration File: autoint1.e
Quant Time: Aug 13 04:01:49 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)	12.090	5038962	35.286 ug/ml
Spiked Amount 50.000		Recovery =	70.57%
12) S 1-chlorooctadecane (S...	13.527	4200300	39.064 ug/ml
Spiked Amount 50.000		Recovery =	78.13%
Target Compounds			

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

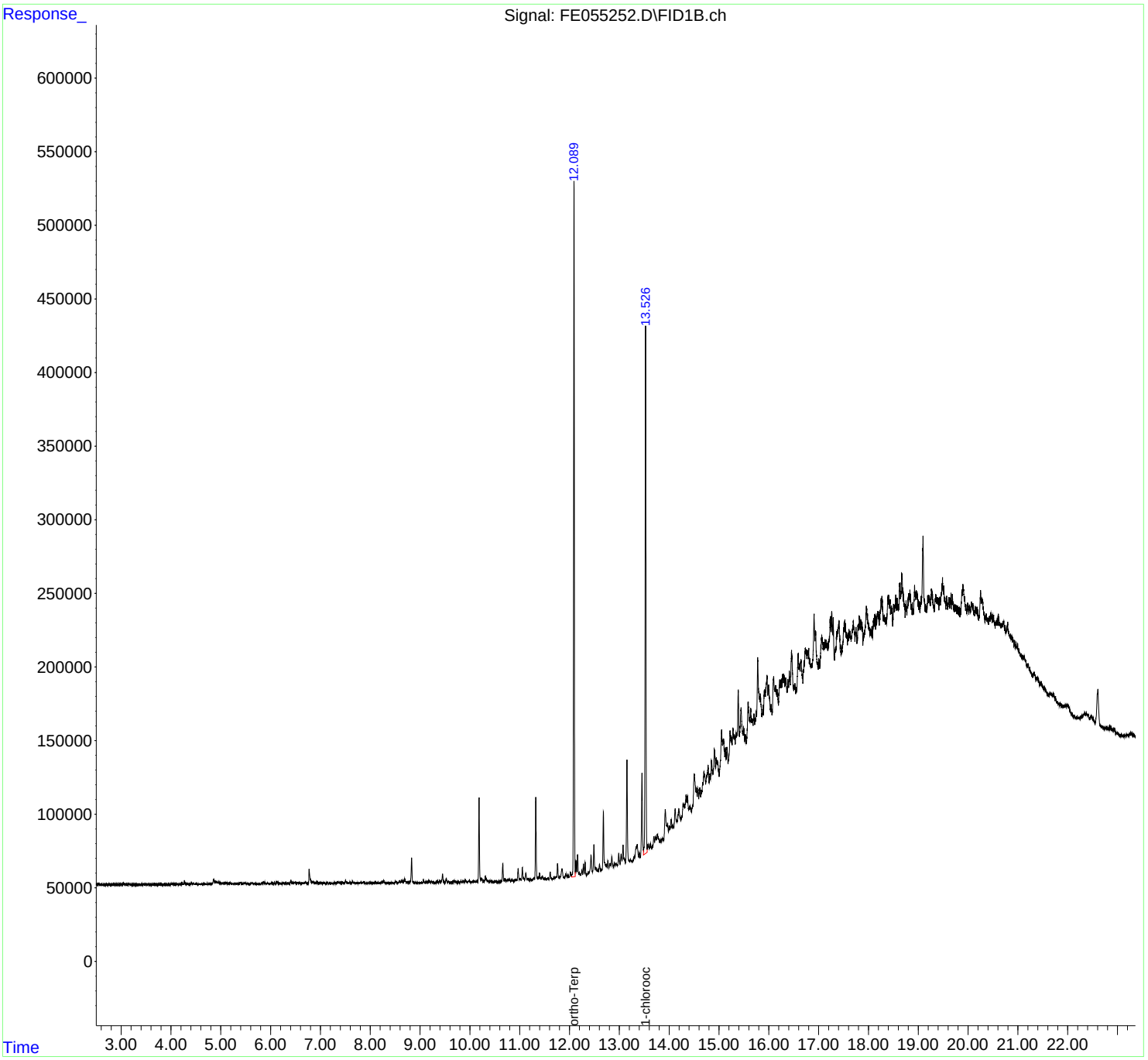
Quantitation Report (QT Reviewed)

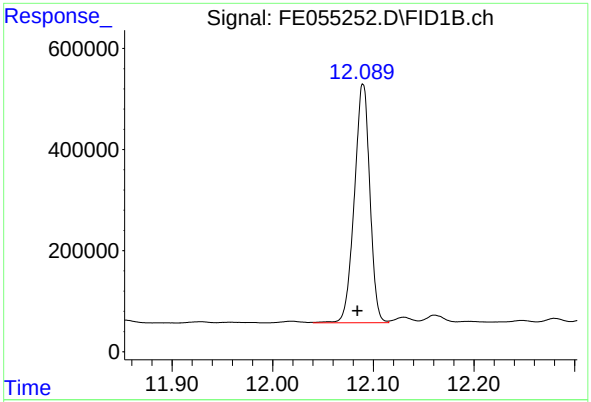
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055252.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 12:22
Operator : YP\AJ
Sample : Q2757-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
3

Integration File: autoint1.e
Quant Time: Aug 13 04:01:49 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

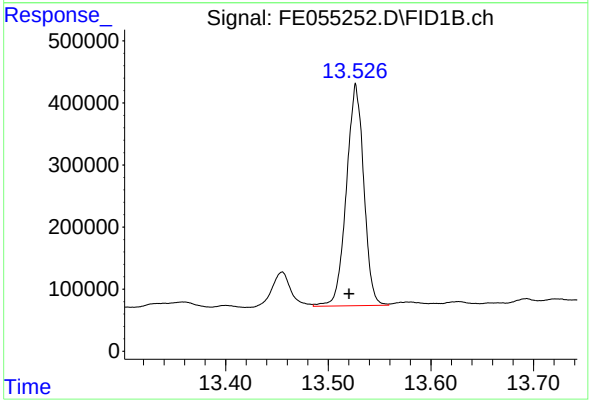




#9 ortho-Terphenyl (SURR)

R.T.: 12.090 min
Delta R.T.: 0.006 min
Response: 5038962
Conc: 35.29 ug/ml

Instrument :
FID_E
ClientSampleId :
3



#12 1-chlorooctadecane (SURR)

R.T.: 13.527 min
Delta R.T.: 0.007 min
Response: 4200300
Conc: 39.06 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055252.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 12:22
Sample : Q2757-05
Misc :
ALS Vial : 19 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	2.845	2.804	2.885	BV	320	6785	0.07%	0.002%
2	2.926	2.885	2.942	VV	170	2536	0.03%	0.001%
3	2.949	2.942	2.958	VV	131	1032	0.01%	0.000%
4	2.999	2.958	3.014	VV	216	5275	0.05%	0.001%
5	3.036	3.014	3.091	VV	643	16846	0.17%	0.004%
6	3.100	3.091	3.134	VV	238	4305	0.04%	0.001%
7	3.160	3.134	3.213	VV	407	9174	0.09%	0.002%
8	3.220	3.213	3.252	VV	130	2146	0.02%	0.001%
9	3.282	3.252	3.311	PV	190	4328	0.04%	0.001%
10	3.327	3.311	3.375	VV	196	4471	0.05%	0.001%
11	3.421	3.375	3.436	VV	222	3762	0.04%	0.001%
12	3.475	3.436	3.524	VV	160	4328	0.04%	0.001%
13	3.544	3.524	3.614	VV	203	6492	0.07%	0.002%
14	3.622	3.614	3.632	VV	167	1268	0.01%	0.000%
15	3.642	3.632	3.684	VV	135	3212	0.03%	0.001%
16	3.690	3.684	3.738	VV	126	1376	0.01%	0.000%
17	3.774	3.738	3.799	VV	190	3998	0.04%	0.001%
18	3.814	3.799	3.846	VV	163	2319	0.02%	0.001%
19	3.875	3.846	3.934	VV	356	8371	0.09%	0.002%
20	4.013	3.934	4.025	VV	303	7150	0.07%	0.002%
21	4.035	4.025	4.088	VV	275	4842	0.05%	0.001%
22	4.112	4.088	4.171	PV	372	7651	0.08%	0.002%
23	4.216	4.171	4.241	VV	1010	14025	0.14%	0.003%
24	4.270	4.241	4.358	VV	2660	44488	0.46%	0.010%
25	4.371	4.358	4.381	VV	193	1886	0.02%	0.000%

26	4.407	4.381	4.428	VV	1047	13080	0.13%	0.003%
27	4.450	4.428	4.474	VV	766	12262	0.13%	0.003%
28	4.484	4.474	4.572	VV	291	11676	0.12%	0.003%
29	4.582	4.572	4.604	VV	259	2886	0.03%	0.001%
30	4.628	4.604	4.645	VV	296	4959	0.05%	0.001%
31	4.680	4.645	4.701	VV	381	8886	0.09%	0.002%
32	4.725	4.701	4.748	VV	474	7692	0.08%	0.002%
33	4.762	4.748	4.776	VV	334	3658	0.04%	0.001%
34	4.794	4.776	4.821	VV	256	3964	0.04%	0.001%
35	4.855	4.821	4.911	VV	3304	92082	0.95%	0.022%
36	4.919	4.911	5.021	VV	1413	66400	0.68%	0.016%
37	5.069	5.021	5.087	VV	830	27261	0.28%	0.006%
38	5.101	5.087	5.124	VV	803	14652	0.15%	0.003%
39	5.143	5.124	5.168	VV	761	15803	0.16%	0.004%
40	5.187	5.168	5.251	VV	895	23438	0.24%	0.006%
41	5.271	5.251	5.284	VV	389	5075	0.05%	0.001%
42	5.303	5.284	5.323	VV	262	5969	0.06%	0.001%
43	5.341	5.323	5.364	VV	380	6896	0.07%	0.002%
44	5.392	5.364	5.426	VV	1138	22971	0.24%	0.005%
45	5.447	5.426	5.459	VV	650	9991	0.10%	0.002%
46	5.475	5.459	5.490	VV	979	11249	0.12%	0.003%
47	5.502	5.490	5.588	VV	496	13403	0.14%	0.003%
48	5.628	5.588	5.656	VV	1064	17334	0.18%	0.004%
49	5.680	5.656	5.741	VV	488	14320	0.15%	0.003%
50	5.747	5.741	5.801	VV	197	4104	0.04%	0.001%
51	5.824	5.801	5.838	VV	988	10889	0.11%	0.003%
52	5.858	5.838	5.871	VV	1432	16993	0.17%	0.004%
53	5.883	5.871	5.918	VV	1242	16518	0.17%	0.004%
54	5.935	5.918	5.989	VV	855	14702	0.15%	0.003%
55	6.020	5.989	6.044	VV	968	14337	0.15%	0.003%
56	6.051	6.044	6.057	VV	281	2115	0.02%	0.000%
57	6.073	6.057	6.101	VV	725	13787	0.14%	0.003%
58	6.121	6.101	6.168	VV	1253	27738	0.29%	0.007%
59	6.188	6.168	6.204	VV	619	9710	0.10%	0.002%
60	6.217	6.204	6.234	VV	553	6233	0.06%	0.001%
61	6.250	6.234	6.282	VV	614	12266	0.13%	0.003%
62	6.304	6.282	6.328	VV	633	10363	0.11%	0.002%
63	6.364	6.328	6.381	VV	566	11508	0.12%	0.003%
64	6.408	6.381	6.454	VV	2679	44340	0.46%	0.010%
65	6.476	6.454	6.524	VV	988	25021	0.26%	0.006%
66	6.555	6.524	6.578	VV	878	19744	0.20%	0.005%
67	6.590	6.578	6.615	VV	544	7863	0.08%	0.002%
68	6.632	6.615	6.661	VV	648	11367	0.12%	0.003%
69	6.695	6.661	6.734	VV	1178	25410	0.26%	0.006%

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70	6.742	6.734	6.757	VV	389	4418	0.05%	0.001%
71	6.774	6.757	6.844	VV	9509	162945	1.67%	0.038%
72	6.857	6.844	6.910	VV	1231	29042	0.30%	0.007%
73	6.934	6.910	6.961	VV	1324	22265	0.23%	0.005%
74	6.976	6.961	6.997	VV	621	10777	0.11%	0.003%
75	7.011	6.997	7.044	VV	741	11746	0.12%	0.003%
76	7.064	7.044	7.104	VV	569	10071	0.10%	0.002%
77	7.114	7.104	7.128	VV	175	2142	0.02%	0.001%
78	7.147	7.128	7.168	VV	788	8700	0.09%	0.002%
79	7.189	7.168	7.238	VV	447	9059	0.09%	0.002%
80	7.274	7.238	7.298	PV	666	10375	0.11%	0.002%
81	7.343	7.298	7.364	VV	1531	24436	0.25%	0.006%
82	7.396	7.364	7.420	VV	781	20293	0.21%	0.005%
83	7.437	7.420	7.467	VV	770	11874	0.12%	0.003%
84	7.505	7.467	7.528	VV	2355	31787	0.33%	0.007%
85	7.535	7.528	7.568	VV	622	10151	0.10%	0.002%
86	7.583	7.568	7.624	VV	772	15457	0.16%	0.004%
87	7.644	7.624	7.664	VV	2004	22700	0.23%	0.005%
88	7.678	7.664	7.697	VV	629	8987	0.09%	0.002%
89	7.713	7.697	7.752	VV	408	9337	0.10%	0.002%
90	7.768	7.752	7.782	VV	320	4804	0.05%	0.001%
91	7.808	7.782	7.825	VV	983	13950	0.14%	0.003%
92	7.864	7.825	7.920	VV	992	24534	0.25%	0.006%
93	7.951	7.920	7.962	VV	187	3471	0.04%	0.001%
94	7.989	7.962	8.019	VV	387	6156	0.06%	0.001%
95	8.038	8.019	8.058	VV	236	2757	0.03%	0.001%
96	8.070	8.058	8.080	VV	94	725	0.01%	0.000%
97	8.101	8.080	8.141	PV	1309	17165	0.18%	0.004%
98	8.159	8.141	8.201	VV	311	5922	0.06%	0.001%
99	8.243	8.201	8.254	VV	902	16929	0.17%	0.004%
100	8.271	8.254	8.328	VV	2118	31403	0.32%	0.007%
101	8.345	8.328	8.364	VV	295	3651	0.04%	0.001%
102	8.410	8.364	8.428	VV	499	10203	0.10%	0.002%
103	8.438	8.428	8.491	VV	322	8262	0.08%	0.002%
104	8.517	8.491	8.546	VV	980	19291	0.20%	0.005%
105	8.589	8.546	8.608	VV	1092	21837	0.22%	0.005%
106	8.627	8.608	8.644	VV	2309	28152	0.29%	0.007%
107	8.655	8.644	8.669	VV	1431	15441	0.16%	0.004%
108	8.694	8.669	8.734	VV	2744	51841	0.53%	0.012%
109	8.753	8.734	8.764	VV	373	6086	0.06%	0.001%
110	8.830	8.764	8.889	VV	17288	229600	2.36%	0.054%
111	8.906	8.889	8.940	VV	551	9206	0.09%	0.002%
112	8.949	8.940	8.971	VV	225	2074	0.02%	0.000%

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113	9.013	8.971	9.040	PV	290	7525	0.08%	0.002%
114	9.065	9.040	9.090	VV	1458	18523	0.19%	0.004%
115	9.116	9.090	9.144	VV	722	16010	0.16%	0.004%
116	9.172	9.144	9.218	VV	1163	30279	0.31%	0.007%
117	9.235	9.218	9.264	VV	1026	14984	0.15%	0.004%
118	9.284	9.264	9.297	VV	264	3915	0.04%	0.001%
119	9.312	9.297	9.320	VV	304	3438	0.04%	0.001%
120	9.344	9.320	9.371	VV	984	18693	0.19%	0.004%
121	9.390	9.371	9.409	VV	1443	17235	0.18%	0.004%
122	9.452	9.409	9.498	VV	6063	93109	0.96%	0.022%
123	9.526	9.498	9.548	VV	3162	38768	0.40%	0.009%
124	9.568	9.548	9.599	VV	1169	16847	0.17%	0.004%
125	9.623	9.599	9.640	VV	336	5132	0.05%	0.001%
126	9.658	9.640	9.667	PV	658	6856	0.07%	0.002%
127	9.685	9.667	9.701	VV	1341	17433	0.18%	0.004%
128	9.715	9.701	9.753	VV	986	12663	0.13%	0.003%
129	9.769	9.753	9.789	VV	349	4007	0.04%	0.001%
130	9.822	9.789	9.840	VV	1022	14081	0.14%	0.003%
131	9.860	9.840	9.888	VV	912	16844	0.17%	0.004%
132	9.909	9.888	9.960	VV	1696	33486	0.34%	0.008%
133	9.989	9.960	10.021	VV	1211	23453	0.24%	0.006%
134	10.032	10.021	10.042	VV	511	4938	0.05%	0.001%
135	10.064	10.042	10.078	VV	842	14001	0.14%	0.003%
136	10.087	10.078	10.106	VV	722	8706	0.09%	0.002%
137	10.145	10.106	10.158	VV	1088	21112	0.22%	0.005%
138	10.184	10.158	10.218	VV	57132	625414	6.43%	0.147%
139	10.232	10.218	10.269	VV	2454	52085	0.54%	0.012%
140	10.310	10.269	10.381	VV	4308	96477	0.99%	0.023%
141	10.396	10.381	10.405	VV	610	6865	0.07%	0.002%
142	10.417	10.405	10.457	VV	719	12040	0.12%	0.003%
143	10.493	10.457	10.534	PV	401	8247	0.08%	0.002%
144	10.541	10.534	10.548	VV	85	561	0.01%	0.000%
145	10.587	10.548	10.598	PV	166	2825	0.03%	0.001%
146	10.661	10.598	10.684	VV	12530	148500	1.53%	0.035%
147	10.702	10.684	10.724	VV	2121	31195	0.32%	0.007%
148	10.767	10.724	10.780	VV	1336	31773	0.33%	0.007%
149	10.793	10.780	10.820	VV	1343	17942	0.18%	0.004%
150	10.842	10.820	10.877	PV	1198	18423	0.19%	0.004%
151	10.915	10.877	10.935	VV	961	17600	0.18%	0.004%
152	10.968	10.935	10.995	VV	8404	115277	1.18%	0.027%
153	11.007	10.995	11.028	VV	1659	22061	0.23%	0.005%
154	11.054	11.028	11.074	VV	8943	110266	1.13%	0.026%
155	11.083	11.074	11.098	VV	1594	17250	0.18%	0.004%

156	11.124	11.098	11.150	VV	4987	78722	0.81%	0.019%
157	11.175	11.150	11.203	VV	982	23383	0.24%	0.006%
158	11.218	11.203	11.235	VV	760	8413	0.09%	0.002%
159	11.281	11.235	11.297	VV	1464	26095	0.27%	0.006%
160	11.323	11.297	11.362	VV	55957	632763	6.50%	0.149%
161	11.399	11.362	11.420	VV	4551	76836	0.79%	0.018%
162	11.451	11.420	11.492	VV	2250	48786	0.50%	0.011%
163	11.510	11.492	11.548	VV	1081	15642	0.16%	0.004%
164	11.566	11.548	11.589	VV	1227	15290	0.16%	0.004%
165	11.611	11.589	11.658	VV	5136	63221	0.65%	0.015%
166	11.690	11.658	11.708	PV	1011	15015	0.15%	0.004%
167	11.760	11.708	11.801	VV	10398	149898	1.54%	0.035%
168	11.851	11.801	11.882	VV	6268	132942	1.37%	0.031%
169	11.893	11.882	11.904	VV	634	6334	0.07%	0.001%
170	11.928	11.904	11.944	VV	2610	33739	0.35%	0.008%
171	11.958	11.944	11.992	VV	1456	24829	0.26%	0.006%
172	12.019	11.992	12.038	PV	3195	41722	0.43%	0.010%
173	12.090	12.038	12.116	VV	477015	5040478	51.80%	1.186%
174	12.130	12.116	12.145	VV	10839	122163	1.26%	0.029%
175	12.161	12.145	12.184	VV	14629	178811	1.84%	0.042%
176	12.195	12.184	12.217	VV	2223	30017	0.31%	0.007%
177	12.248	12.217	12.262	VV	3803	51908	0.53%	0.012%
178	12.280	12.262	12.296	VV	7724	86770	0.89%	0.020%
179	12.313	12.296	12.340	VV	8880	99267	1.02%	0.023%
180	12.432	12.340	12.462	PV	12609	225163	2.31%	0.053%
181	12.490	12.462	12.513	VV	19265	242332	2.49%	0.057%
182	12.531	12.513	12.554	VV	3206	59597	0.61%	0.014%
183	12.566	12.554	12.581	VV	1251	13218	0.14%	0.003%
184	12.602	12.581	12.647	VV	5048	73464	0.75%	0.017%
185	12.680	12.647	12.753	VV	40341	559799	5.75%	0.132%
186	12.770	12.753	12.790	VV	5599	68792	0.71%	0.016%
187	12.813	12.790	12.828	VV	3641	53545	0.55%	0.013%
188	12.849	12.828	12.884	VV	7758	111308	1.14%	0.026%
189	12.900	12.884	12.913	PV	3199	31300	0.32%	0.007%
190	12.926	12.913	12.964	VV	2356	45408	0.47%	0.011%
191	12.988	12.964	13.013	VV	8499	114528	1.18%	0.027%
192	13.036	13.013	13.053	VV	7678	111539	1.15%	0.026%
193	13.075	13.053	13.122	VV	13492	231583	2.38%	0.054%
194	13.153	13.122	13.207	VV	70008	897619	9.22%	0.211%
195	13.222	13.207	13.239	VV	2082	24600	0.25%	0.006%
196	13.250	13.239	13.263	VV	736	6854	0.07%	0.002%
197	13.358	13.263	13.386	VV	10761	367216	3.77%	0.086%
198	13.400	13.386	13.421	VV	4803	67153	0.69%	0.016%
199	13.455	13.421	13.485	VV	58016	792928	8.15%	0.187%

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200	13.527	13.485	13.559	VV	353364	4329828	44.49%	1.019%
201	13.579	13.559	13.611	VV	8447	213782	2.20%	0.050%
202	13.626	13.611	13.647	VV	8701	149948	1.54%	0.035%
203	13.693	13.647	13.706	VV	12912	284664	2.93%	0.067%
204	13.723	13.706	13.738	VV	11867	208238	2.14%	0.049%
205	13.763	13.738	13.812	VV	13684	483742	4.97%	0.114%
206	13.825	13.812	13.841	VV	9311	144405	1.48%	0.034%
207	13.866	13.841	13.882	VV	9900	220666	2.27%	0.052%
208	13.923	13.882	13.959	VV	28312	827840	8.51%	0.195%
209	13.969	13.959	13.986	VV	18857	270652	2.78%	0.064%
210	14.001	13.986	14.016	VV	16910	276850	2.84%	0.065%
211	14.041	14.016	14.061	VV	20825	470516	4.83%	0.111%
212	14.073	14.061	14.090	VV	16683	276386	2.84%	0.065%
213	14.121	14.090	14.149	VV	27271	737841	7.58%	0.174%
214	14.195	14.149	14.233	VV	26746	1085818	11.16%	0.255%
215	14.281	14.233	14.311	VV	29355	1134914	11.66%	0.267%
216	14.340	14.311	14.355	VV	33521	794885	8.17%	0.187%
217	14.368	14.355	14.392	VV	32992	642820	6.61%	0.151%
218	14.423	14.392	14.447	VV	25512	807435	8.30%	0.190%
219	14.504	14.447	14.541	VV	46859	1930480	19.84%	0.454%
220	14.548	14.541	14.563	VV	36709	463795	4.77%	0.109%
221	14.577	14.563	14.594	VV	36038	625638	6.43%	0.147%
222	14.615	14.594	14.632	VV	36383	748953	7.70%	0.176%
223	14.698	14.632	14.733	VV	46337	2361920	24.27%	0.556%
224	14.782	14.733	14.801	VV	49441	1777047	18.26%	0.418%
225	14.819	14.801	14.828	VV	43726	668241	6.87%	0.157%
226	14.849	14.828	14.881	VV	52587	1467680	15.08%	0.345%
227	14.909	14.881	14.932	VV	59125	1589955	16.34%	0.374%
228	14.946	14.932	14.958	VV	53290	786468	8.08%	0.185%
229	14.967	14.958	15.004	VV	51485	1296188	13.32%	0.305%
230	15.052	15.004	15.071	VV	71191	2259006	23.21%	0.531%
231	15.089	15.071	15.116	VV	63836	1632937	16.78%	0.384%
232	15.131	15.116	15.145	VV	57757	956030	9.82%	0.225%
233	15.161	15.145	15.183	VV	57377	1191294	12.24%	0.280%
234	15.223	15.183	15.263	VV	67624	2875101	29.54%	0.676%
235	15.281	15.263	15.325	VV	69988	2412316	24.79%	0.567%
236	15.342	15.325	15.363	VV	66129	1444294	14.84%	0.340%
237	15.386	15.363	15.411	VV	94667	2196795	22.57%	0.517%
238	15.443	15.411	15.483	VV	81312	3092111	31.77%	0.727%
239	15.495	15.483	15.515	VV	68079	1246809	12.81%	0.293%
240	15.530	15.515	15.551	VV	63329	1295095	13.31%	0.305%
241	15.586	15.551	15.624	VV	84079	3221482	33.10%	0.758%
242	15.636	15.624	15.683	VV	79318	2568296	26.39%	0.604%

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243	15.701	15.683	15.718	VV	75067	1503336	15.45%	0.354%
244	15.777	15.718	15.824	VV	111370	5435851	55.86%	1.279%
245	15.831	15.824	15.866	VV	87700	1997941	20.53%	0.470%
246	15.915	15.866	15.931	VV	88628	3160515	32.48%	0.743%
247	15.964	15.931	15.981	VV	98783	2760270	28.36%	0.649%
248	15.996	15.981	16.036	VV	91844	2787698	28.65%	0.656%
249	16.047	16.036	16.066	VV	78420	1336733	13.74%	0.314%
250	16.097	16.066	16.121	VV	96438	2893105	29.73%	0.681%
251	16.140	16.121	16.194	VV	90179	3749391	38.53%	0.882%
252	16.284	16.194	16.342	VV	94928	8103809	83.27%	1.906%
253	16.346	16.342	16.373	VV	92405	1601822	16.46%	0.377%
254	16.384	16.373	16.397	VV	91578	1264150	12.99%	0.297%
255	16.413	16.397	16.431	VV	97329	1879664	19.32%	0.442%
256	16.458	16.431	16.511	VV	110361	4588670	47.15%	1.079%
257	16.522	16.511	16.554	VV	86765	2193294	22.54%	0.516%
258	16.588	16.554	16.631	VV	106646	4428931	45.51%	1.042%
259	16.648	16.631	16.684	VV	102259	3063580	31.48%	0.721%
260	16.736	16.684	16.754	VV	109689	4283724	44.02%	1.008%
261	16.761	16.754	16.785	VV	107351	1936806	19.90%	0.456%
262	16.800	16.785	16.862	VV	109173	4637287	47.65%	1.091%
263	16.910	16.862	16.991	VV	129260	8371411	86.02%	1.969%
264	17.001	16.991	17.024	VV	99418	1922956	19.76%	0.452%
265	17.065	17.024	17.090	VV	115050	4229549	43.46%	0.995%
266	17.101	17.090	17.117	VV	109913	1761576	18.10%	0.414%
267	17.130	17.117	17.145	VV	110489	1772556	18.21%	0.417%
268	17.154	17.145	17.184	VV	110245	2556065	26.27%	0.601%
269	17.237	17.184	17.250	VV	125961	4493630	46.18%	1.057%
270	17.265	17.250	17.284	VV	128323	2497008	25.66%	0.587%
271	17.294	17.284	17.317	VV	124486	2192760	22.53%	0.516%
272	17.410	17.317	17.449	VV	121515	8592020	88.29%	2.021%
273	17.458	17.449	17.468	VV	101126	1144214	11.76%	0.269%
274	17.524	17.468	17.586	VV	119939	7888866	81.07%	1.856%
275	17.596	17.586	17.618	VV	110854	2066956	21.24%	0.486%
276	17.631	17.618	17.660	VV	110667	2763989	28.40%	0.650%
277	17.695	17.660	17.728	VV	118249	4589445	47.16%	1.080%
278	17.750	17.728	17.774	VV	113004	2999875	30.83%	0.706%
279	17.792	17.774	17.800	VV	114594	1669396	17.15%	0.393%
280	17.818	17.800	17.840	VV	119709	2813087	28.91%	0.662%
281	17.851	17.840	17.890	VV	116552	3351178	34.44%	0.788%
282	17.958	17.890	18.026	VV	125750	9205666	94.60%	2.165%
283	18.033	18.026	18.054	VV	108062	1836448	18.87%	0.432%
284	18.070	18.054	18.080	VV	108601	1650862	16.96%	0.388%
285	18.121	18.080	18.166	VV	118010	5865524	60.27%	1.380%

286	18.186	18.166	18.218	VV	119430	3584809	36.84%	0.843%
287	18.254	18.218	18.264	VV	126888	3338362	34.30%	0.785%
288	18.272	18.264	18.351	VV	128984	6086187	62.54%	1.432%
289	18.397	18.351	18.418	VV	128716	4805056	49.38%	1.130%
290	18.433	18.418	18.455	VV	124123	2732649	28.08%	0.643%
291	18.464	18.455	18.485	VV	119817	2082155	21.40%	0.490%
292	18.548	18.485	18.561	VV	127454	5412933	55.62%	1.273%
293	18.578	18.561	18.605	VV	122135	3175222	32.63%	0.747%
294	18.628	18.605	18.646	VV	133475	3133502	32.20%	0.737%
295	18.672	18.646	18.736	VV	139983	6844738	70.34%	1.610%
296	18.755	18.736	18.770	VV	120681	2377962	24.44%	0.559%
297	18.823	18.770	18.903	VV	124922	9431385	96.92%	2.219%
298	18.926	18.903	18.945	VV	129076	3078301	31.63%	0.724%
299	18.961	18.945	19.009	VV	125465	4634841	47.63%	1.090%
300	19.018	19.009	19.036	VV	117521	1855255	19.06%	0.436%
301	19.095	19.036	19.167	VV	160376	9731474	100.00%	2.289%
302	19.216	19.167	19.244	VV	119339	5392411	55.41%	1.268%
303	19.268	19.244	19.327	VV	122711	5758337	59.17%	1.355%
304	19.349	19.327	19.374	VV	118716	3246855	33.36%	0.764%
305	19.384	19.374	19.414	VV	116332	2791322	28.68%	0.657%
306	19.434	19.414	19.444	VV	115692	2058469	21.15%	0.484%
307	19.487	19.444	19.552	VV	128597	7684151	78.96%	1.808%
308	19.571	19.552	19.594	VV	115845	2800203	28.77%	0.659%
309	19.614	19.594	19.631	VV	113884	2452140	25.20%	0.577%
310	19.658	19.631	19.674	VV	116867	2892431	29.72%	0.680%
311	19.683	19.674	19.726	VV	115351	3391959	34.86%	0.798%
312	19.743	19.726	19.786	VV	108587	3828354	39.34%	0.901%
313	19.794	19.786	19.837	VV	106026	3190087	32.78%	0.750%
314	19.899	19.837	19.974	VV	120509	9020246	92.69%	2.122%
315	19.992	19.974	20.014	VV	106935	2490670	25.59%	0.586%
316	20.029	20.014	20.051	VV	105263	2270841	23.34%	0.534%
317	20.069	20.051	20.128	VV	106476	4731336	48.62%	1.113%
318	20.148	20.128	20.172	VV	102432	2675839	27.50%	0.629%
319	20.178	20.172	20.214	VV	102375	2493907	25.63%	0.587%
320	20.252	20.214	20.339	VV	112942	7614078	78.24%	1.791%
321	20.363	20.339	20.420	VV	96089	4520546	46.45%	1.063%
322	20.432	20.420	20.438	VV	93279	977628	10.05%	0.230%
323	20.454	20.438	20.500	VV	95580	3467882	35.64%	0.816%
324	20.514	20.500	20.571	VV	93922	3787363	38.92%	0.891%
325	20.610	20.571	20.644	VV	91449	3888896	39.96%	0.915%
326	20.654	20.644	20.662	VV	86389	917620	9.43%	0.216%
327	20.717	20.662	20.731	VV	87880	3517758	36.15%	0.827%
328	20.740	20.731	20.761	VV	83397	1481358	15.22%	0.348%
329	20.795	20.761	20.847	VV	84707	4114511	42.28%	0.968%

rteres

330	20.855	20.847	20.921	VV	77379	3300121	33.91%	0.776%
331	20.934	20.921	20.944	VV	71962	976022	10.03%	0.230%
332	20.965	20.944	20.982	VV	70790	1518779	15.61%	0.357%
333	20.995	20.982	21.120	VV	68900	5171645	53.14%	1.217%
334	21.128	21.120	21.226	VV	59281	3488488	35.85%	0.821%
335	21.239	21.226	21.308	VV	50919	2296240	23.60%	0.540%
336	21.325	21.308	21.364	VV	46640	1518984	15.61%	0.357%
337	21.382	21.364	21.444	VV	42734	1931709	19.85%	0.454%
338	21.469	21.444	21.522	VV	38895	1686106	17.33%	0.397%
339	21.533	21.522	21.546	VV	34223	494958	5.09%	0.116%
340	21.551	21.546	21.592	VV	33830	859450	8.83%	0.202%
341	21.600	21.592	21.623	VV	29124	536544	5.51%	0.126%
342	21.649	21.623	21.701	VV	29442	1322407	13.59%	0.311%
343	21.711	21.701	21.743	VV	28358	675725	6.94%	0.159%
344	21.755	21.743	21.811	VV	25601	925153	9.51%	0.218%
345	21.818	21.811	21.934	VV	20817	1382251	14.20%	0.325%
346	21.950	21.934	21.963	VV	18214	304063	3.12%	0.072%
347	21.987	21.963	22.121	VV	17859	1303267	13.39%	0.307%
348	22.131	22.121	22.161	VV	9020	196296	2.02%	0.046%
349	22.174	22.161	22.212	VV	8203	220272	2.26%	0.052%
350	22.221	22.212	22.252	VV	6801	158910	1.63%	0.037%
351	22.266	22.252	22.274	VV	7277	86769	0.89%	0.020%
352	22.342	22.274	22.361	VV	9036	400648	4.12%	0.094%
353	22.376	22.361	22.385	VV	8184	111218	1.14%	0.026%
354	22.394	22.385	22.405	VV	7323	85018	0.87%	0.020%
355	22.413	22.405	22.445	VV	7144	127084	1.31%	0.030%
356	22.471	22.445	22.551	VV	5214	199255	2.05%	0.047%

Sum of corrected areas: 425111028

Aliphatic EPH 080125.M Wed Aug 13 06:37:03 2025

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/01/25
Project:	11 Newman Ave Nutley	Date Received:	08/01/25
Client Sample ID:	3DL	SDG No.:	Q2757
Lab Sample ID:	Q2757-05DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.4
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
FE055282.D	2	08/11/25	08/13/25	PB169208

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		113		2.23	9.81	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		175	E	2.90	4.91	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		19.4		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		17.3		40 - 140	69%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2757-05DL	Acq On:	13 Aug 2025 08:47
Client Sample ID:	Q2757-05DL	Operator:	YP\AJ
Data file:	FE055282.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	2	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.320	6.955	542645	4.647	300	ug/ml
Aliphatic C12-C16	6.956	10.408	1060210	8.466	200	ug/ml
Aliphatic C16-C21	10.409	13.788	5334396	42.201	300	ug/ml
Aliphatic C21-C28	13.789	17.461	76852505	637.75	400	ug/ml
Aliphatic C28-C40	17.462	22.486	122073021	1070	600	ug/ml
Aliphatic EPH	3.320	22.486	205862777	1760		ug/ml
ortho-Terphenyl (SURR)	12.085	12.085	2462658	17.25		ug/ml
1-chlorooctadecane (SURR)	13.523	13.523	2087767	19.42		ug/ml
Aliphatic C9-C28	3.320	17.461	83789756	693.064	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081325AL\
Data File : FE055282.D
Signal(s) : FID1B.ch
Acq On : 13 Aug 2025 08:47
Operator : YP\AJ
Sample : Q2757-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E
Quant Time: Aug 13 11:28:19 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	2462658	17.245 ug/ml
Spiked Amount 50.000		Recovery =	34.49%
12) S 1-chlorooctadecane (S...	13.523	2087767	19.417 ug/ml
Spiked Amount 50.000		Recovery =	38.83%
Target Compounds			

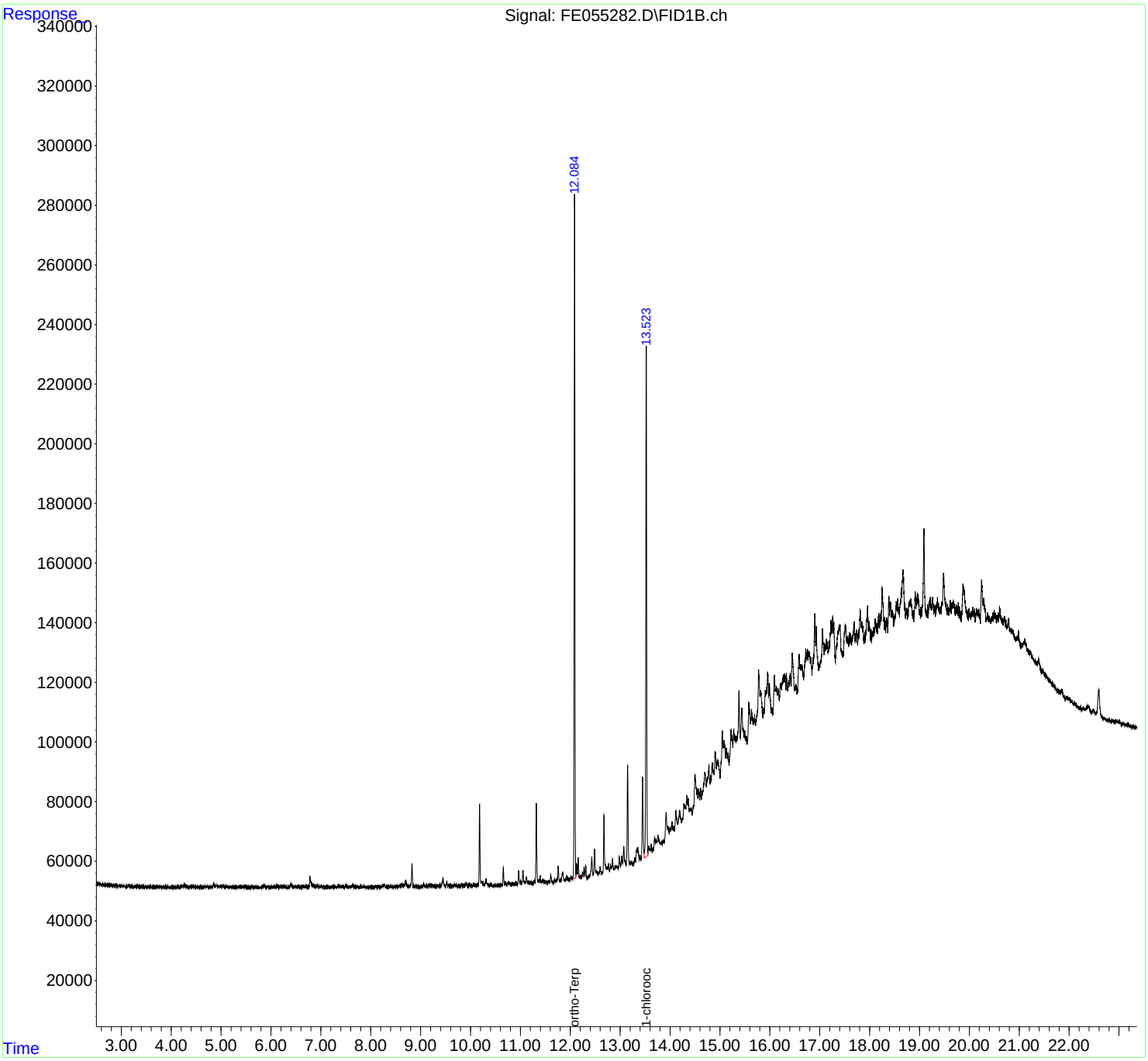
(f)=RT Delta > 1/2 Window (m)=manual int.

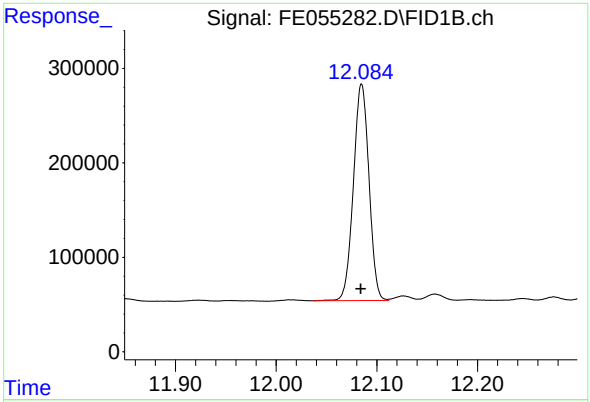
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081325AL\
Data File : FE055282.D
Signal(s) : FID1B.ch
Acq On : 13 Aug 2025 08:47
Operator : YP\AJ
Sample : Q2757-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E
Quant Time: Aug 13 11:28:19 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

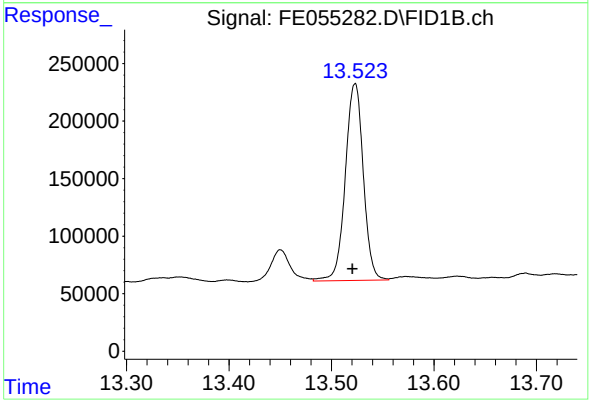
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





#9 ortho-Terphenyl (SURR)

R.T.: 12.085 min
Delta R.T.: 0.000 min
Response: 2462658
Conc: 17.25 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.523 min
Delta R.T.: 0.003 min
Response: 2087767
Conc: 19.42 ug/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/01/25
Project:	11 Newman Ave Nutley	Date Received:	08/01/25
Client Sample ID:	4	SDG No.:	Q2757
Lab Sample ID:	Q2757-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/11/25 11:45	08/12/25 14:25	PB169208

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	16.1		1	1.13	4.96	mg/kg	FE055255.D
Total EPH	Total EPH	16.1			1.13	4.96	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:	Sciacca General Contractors, LLC	Date Collected:	08/01/25
Project:	11 Newman Ave Nutley	Date Received:	08/01/25
Client Sample ID:	4	SDG No.:	Q2757
Lab Sample ID:	Q2757-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.5
Sample Wt/Vol:	30.04 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
FE055255.D	1	08/11/25	08/12/25	PB169208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	16.1		1.13	4.96	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.7		1.46	2.48	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.3		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.5		40 - 140	67%	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:	Q2757-06	Acq On:	12 Aug 2025 14:25
Client Sample ID:	4	Operator:	YP\AJ
Data file:	FE055255.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.959	1956470	16.753	300	ug/ml
Aliphatic C12-C16	6.960	10.413	13778085	110.025	200	ug/ml
Aliphatic C16-C21	10.414	13.793	6634972	52.49	300	ug/ml
Aliphatic C21-C28	13.794	17.466	1804812	14.977	400	ug/ml
Aliphatic C28-C40	17.467	22.498	25750334	225.905	600	ug/ml
Aliphatic EPH	3.323	22.498	49924673	420.15		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	4788659	33.53		ug/ml
1-chlorooctadecane (SURR)	13.525	13.525	3584568	33.34		ug/ml
Aliphatic C9-C28	3.323	17.466	24174339	194.245	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055255.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 14:25
Operator : YP\AJ
Sample : Q2757-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
4

Integration File: autoint1.e
Quant Time: Aug 13 04:03:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.088	4788659	33.533 ug/ml
Spiked Amount 50.000		Recovery =	67.07%
12) S 1-chlorooctadecane (S...	13.525	3584568	33.337 ug/ml
Spiked Amount 50.000		Recovery =	66.67%
Target Compounds			

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

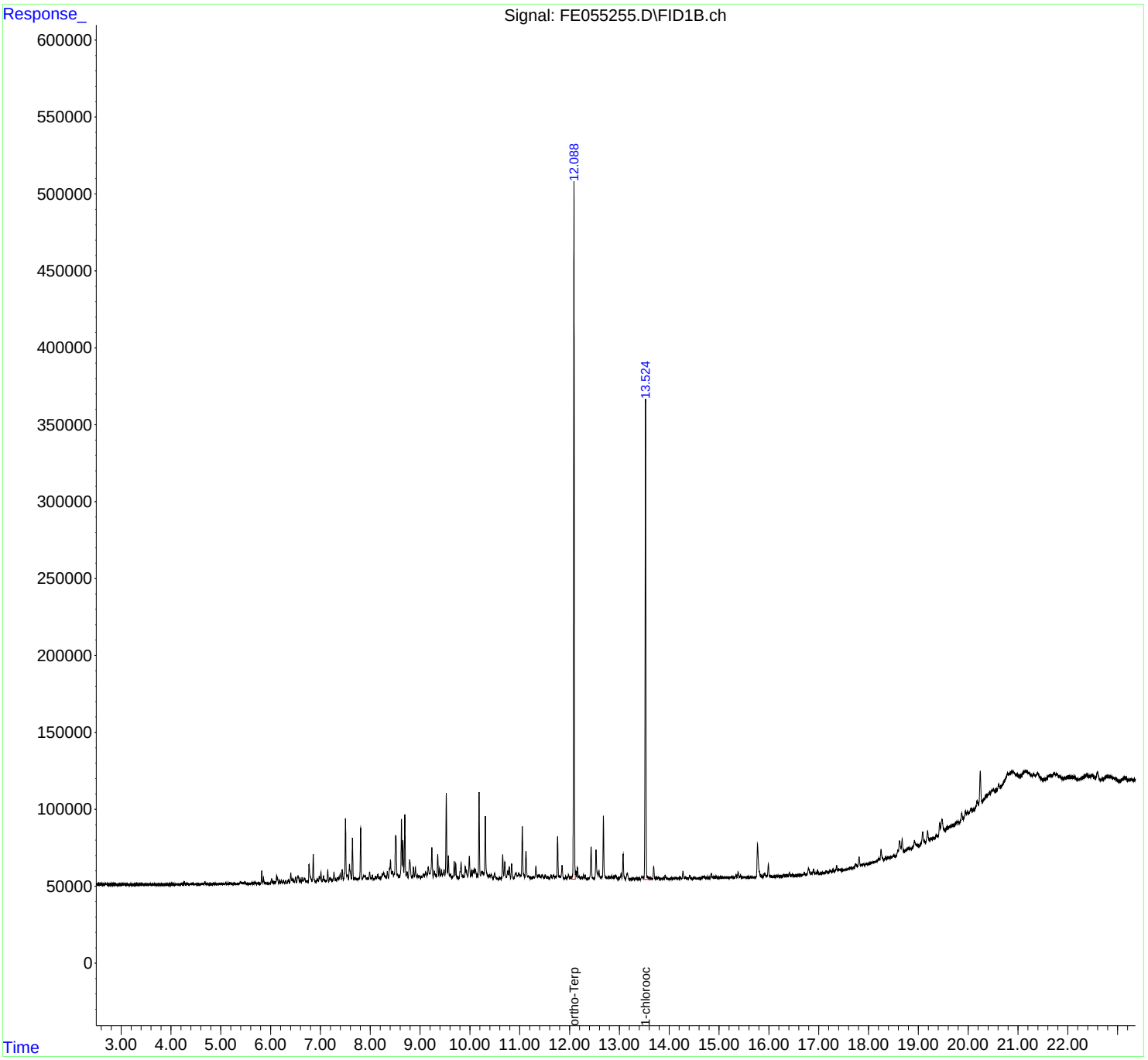
Quantitation Report (QT Reviewed)

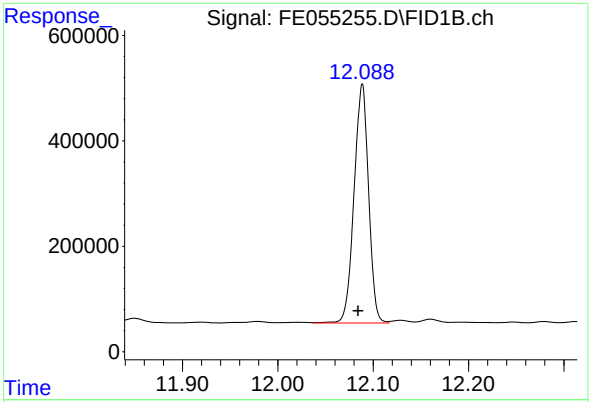
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055255.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 14:25
Operator : YP\AJ
Sample : Q2757-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
4

Integration File: autoint1.e
Quant Time: Aug 13 04:03:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

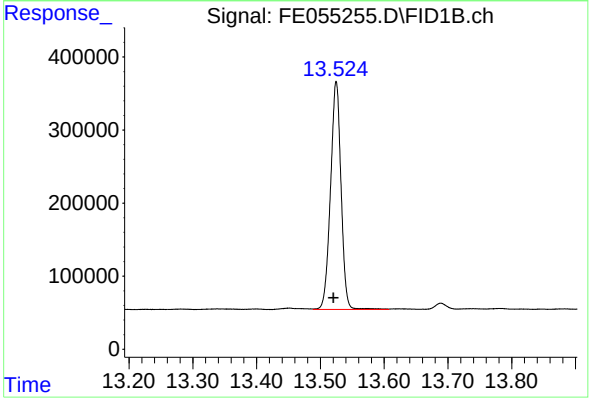




#9 ortho-Terphenyl (SURR)

R.T.: 12.088 min
Delta R.T.: 0.004 min
Response: 4788659
Conc: 33.53 ug/ml

Instrument :
FID_E
ClientSampleId :
4



#12 1-chlorooctadecane (SURR)

R.T.: 13.525 min
Delta R.T.: 0.004 min
Response: 3584568
Conc: 33.34 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055255.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 14:25
Sample : Q2757-06
Misc :
ALS Vial : 20 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	2.845	2.805	2.856	BV	122	1276	0.03%	0.002%
2	2.862	2.856	2.877	VV	44	301	0.01%	0.001%
3	2.888	2.877	2.901	PV	25	191	0.00%	0.000%
4	2.922	2.901	2.948	VV	54	898	0.02%	0.002%
5	2.971	2.948	2.982	VV	163	1570	0.03%	0.003%
6	3.005	2.982	3.022	VV	115	1861	0.04%	0.003%
7	3.044	3.022	3.069	PV	284	5011	0.10%	0.009%
8	3.076	3.069	3.089	VV	179	1943	0.04%	0.003%
9	3.101	3.089	3.140	VV	223	3163	0.07%	0.005%
10	3.162	3.140	3.172	PV	178	1853	0.04%	0.003%
11	3.178	3.172	3.201	VV	158	1825	0.04%	0.003%
12	3.208	3.201	3.218	VV	94	808	0.02%	0.001%
13	3.231	3.218	3.271	VV	132	2820	0.06%	0.005%
14	3.279	3.271	3.287	VV	188	1383	0.03%	0.002%
15	3.298	3.287	3.402	VV	218	10070	0.21%	0.017%
16	3.420	3.402	3.527	VV	327	8957	0.19%	0.015%
17	3.561	3.527	3.658	PV	195	11328	0.23%	0.019%
18	3.665	3.658	3.711	VV	180	3329	0.07%	0.006%
19	3.739	3.711	3.801	VV	174	5215	0.11%	0.009%
20	3.808	3.801	3.851	VV	184	2906	0.06%	0.005%
21	3.871	3.851	3.901	VV	275	5141	0.11%	0.009%
22	3.908	3.901	3.945	VV	144	2707	0.06%	0.005%
23	4.014	3.945	4.052	VV	232	8963	0.19%	0.015%
24	4.076	4.052	4.090	VV	151	2058	0.04%	0.004%
25	4.113	4.090	4.154	VV	392	5543	0.11%	0.009%

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26	4.216	4.154	4.237	PV	944	12975	0.27%	0.022%
27	4.268	4.237	4.313	VV	1753	28926	0.60%	0.050%
28	4.329	4.313	4.368	VV	418	9064	0.19%	0.016%
29	4.407	4.368	4.441	VV	800	16299	0.34%	0.028%
30	4.451	4.441	4.502	VV	430	9777	0.20%	0.017%
31	4.513	4.502	4.575	VV	242	6622	0.14%	0.011%
32	4.588	4.575	4.604	VV	149	2054	0.04%	0.004%
33	4.622	4.604	4.651	VV	227	5046	0.10%	0.009%
34	4.680	4.651	4.705	VV	1758	22249	0.46%	0.038%
35	4.723	4.705	4.742	VV	434	6237	0.13%	0.011%
36	4.758	4.742	4.781	VV	232	3901	0.08%	0.007%
37	4.797	4.781	4.816	VV	285	3558	0.07%	0.006%
38	4.848	4.816	4.881	VV	559	10145	0.21%	0.017%
39	4.901	4.881	4.943	VV	321	8003	0.17%	0.014%
40	4.966	4.943	4.983	VV	728	9002	0.19%	0.015%
41	4.994	4.983	5.008	VV	395	4013	0.08%	0.007%
42	5.101	5.008	5.118	VV	821	21063	0.44%	0.036%
43	5.145	5.118	5.167	VV	637	10834	0.22%	0.019%
44	5.186	5.167	5.240	VV	977	17049	0.35%	0.029%
45	5.267	5.240	5.283	PV	433	5788	0.12%	0.010%
46	5.301	5.283	5.325	VV	218	2830	0.06%	0.005%
47	5.359	5.325	5.372	PV	466	6656	0.14%	0.011%
48	5.392	5.372	5.421	VV	1698	27328	0.57%	0.047%
49	5.440	5.421	5.459	VV	987	15519	0.32%	0.027%
50	5.474	5.459	5.490	VV	1615	17678	0.37%	0.030%
51	5.503	5.490	5.546	VV	778	11710	0.24%	0.020%
52	5.561	5.546	5.583	VV	144	2257	0.05%	0.004%
53	5.628	5.583	5.654	VV	765	15140	0.31%	0.026%
54	5.681	5.654	5.718	VV	943	22519	0.47%	0.039%
55	5.746	5.718	5.791	VV	341	10150	0.21%	0.017%
56	5.822	5.791	5.841	VV	8564	91052	1.89%	0.156%
57	5.857	5.841	5.929	VV	3691	59639	1.24%	0.102%
58	5.938	5.929	5.946	VV	272	2718	0.06%	0.005%
59	5.955	5.946	5.991	VV	292	7399	0.15%	0.013%
60	6.019	5.991	6.063	VV	3357	58242	1.21%	0.100%
61	6.086	6.063	6.099	VV	1064	17367	0.36%	0.030%
62	6.121	6.099	6.162	VV	5539	99576	2.06%	0.171%
63	6.179	6.162	6.202	VV	2078	30300	0.63%	0.052%
64	6.217	6.202	6.234	VV	2566	27094	0.56%	0.046%
65	6.256	6.234	6.286	VV	1491	29315	0.61%	0.050%
66	6.306	6.286	6.328	VV	2132	28255	0.59%	0.048%
67	6.362	6.328	6.382	VV	2126	44490	0.92%	0.076%
68	6.405	6.382	6.425	VV	6856	87796	1.82%	0.150%
69	6.454	6.425	6.480	VV	2859	66583	1.38%	0.114%

70	6.499	6.480	6.525	VV	4246	59951	1.24%	0.103%
71	6.543	6.525	6.577	VV	4500	100957	2.09%	0.173%
72	6.590	6.577	6.614	VV	2415	40159	0.83%	0.069%
73	6.632	6.614	6.648	VV	3885	47281	0.98%	0.081%
74	6.686	6.648	6.708	VV	3391	83764	1.74%	0.144%
75	6.733	6.708	6.754	VV	1521	35716	0.74%	0.061%
76	6.772	6.754	6.828	VV	12023	229223	4.75%	0.393%
77	6.856	6.828	6.904	VV	18952	249975	5.18%	0.428%
78	6.937	6.904	6.958	VV	2438	59079	1.22%	0.101%
79	6.976	6.958	6.994	VV	4665	70570	1.46%	0.121%
80	7.010	6.994	7.032	VV	7247	90785	1.88%	0.156%
81	7.062	7.032	7.101	VV	4379	96679	2.00%	0.166%
82	7.116	7.101	7.125	VV	1899	23011	0.48%	0.039%
83	7.147	7.125	7.167	VV	8549	103012	2.13%	0.177%
84	7.189	7.167	7.238	VV	3393	100858	2.09%	0.173%
85	7.272	7.238	7.297	VV	7263	120665	2.50%	0.207%
86	7.310	7.297	7.324	VV	2410	32277	0.67%	0.055%
87	7.343	7.324	7.361	VV	3572	59545	1.23%	0.102%
88	7.396	7.361	7.418	VV	5348	133109	2.76%	0.228%
89	7.437	7.418	7.465	VV	8763	135983	2.82%	0.233%
90	7.504	7.465	7.529	VV	41630	539624	11.18%	0.925%
91	7.539	7.529	7.563	VV	5365	86782	1.80%	0.149%
92	7.583	7.563	7.622	VV	12033	232366	4.82%	0.398%
93	7.643	7.622	7.671	VV	29200	338196	7.01%	0.580%
94	7.686	7.671	7.705	VV	3292	55816	1.16%	0.096%
95	7.713	7.705	7.728	VV	2636	35270	0.73%	0.060%
96	7.742	7.728	7.754	VV	2534	37665	0.78%	0.065%
97	7.772	7.754	7.780	VV	2981	42187	0.87%	0.072%
98	7.808	7.780	7.840	VV	35660	431381	8.94%	0.739%
99	7.863	7.840	7.880	VV	4495	88460	1.83%	0.152%
100	7.898	7.880	7.922	VV	5080	100351	2.08%	0.172%
101	7.933	7.922	7.958	VV	2795	57276	1.19%	0.098%
102	7.988	7.958	8.015	VV	6912	138004	2.86%	0.236%
103	8.043	8.015	8.061	VV	5001	94804	1.96%	0.162%
104	8.073	8.061	8.080	VV	2246	23891	0.50%	0.041%
105	8.105	8.080	8.123	VV	4040	79392	1.65%	0.136%
106	8.151	8.123	8.171	VV	5118	111185	2.30%	0.191%
107	8.183	8.171	8.197	VV	3488	48676	1.01%	0.083%
108	8.244	8.197	8.257	VV	6030	145742	3.02%	0.250%
109	8.270	8.257	8.287	VV	6440	98902	2.05%	0.169%
110	8.297	8.287	8.318	VV	4536	69860	1.45%	0.120%
111	8.343	8.318	8.364	VV	6933	125507	2.60%	0.215%
112	8.406	8.364	8.428	VV	14851	322951	6.69%	0.553%

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113	8.442	8.428	8.467	VV	7259	142694	2.96%	0.245%
114	8.513	8.467	8.572	VV	29820	726154	15.05%	1.244%
115	8.580	8.572	8.591	VV	4071	43692	0.91%	0.075%
116	8.626	8.591	8.642	VV	40408	513900	10.65%	0.881%
117	8.655	8.642	8.673	VV	27125	315873	6.55%	0.541%
118	8.694	8.673	8.722	VV	44030	543431	11.26%	0.931%
119	8.740	8.722	8.759	VV	6702	113465	2.35%	0.194%
120	8.792	8.759	8.828	VV	14608	338221	7.01%	0.580%
121	8.866	8.828	8.886	VV	9677	184208	3.82%	0.316%
122	8.906	8.886	8.937	VV	9583	169024	3.50%	0.290%
123	8.952	8.937	8.965	VV	4141	61632	1.28%	0.106%
124	8.988	8.965	9.009	VV	3826	90237	1.87%	0.155%
125	9.027	9.009	9.041	VV	3882	61829	1.28%	0.106%
126	9.061	9.041	9.086	VV	5051	112030	2.32%	0.192%
127	9.114	9.086	9.137	VV	6487	159475	3.31%	0.273%
128	9.165	9.137	9.198	VV	9691	242973	5.04%	0.416%
129	9.236	9.198	9.262	VV	22264	392660	8.14%	0.673%
130	9.282	9.262	9.331	VV	6635	207061	4.29%	0.355%
131	9.354	9.331	9.374	VV	18022	256899	5.32%	0.440%
132	9.389	9.374	9.409	VV	8820	126998	2.63%	0.218%
133	9.428	9.409	9.449	VV	7628	133503	2.77%	0.229%
134	9.479	9.449	9.496	VV	7990	162962	3.38%	0.279%
135	9.525	9.496	9.549	VV	57113	690798	14.32%	1.184%
136	9.568	9.549	9.589	VV	17082	228451	4.73%	0.391%
137	9.607	9.589	9.634	VV	4576	103366	2.14%	0.177%
138	9.685	9.634	9.702	VV	13238	229369	4.75%	0.393%
139	9.717	9.702	9.749	VV	11673	169492	3.51%	0.290%
140	9.760	9.749	9.778	VV	2752	44996	0.93%	0.077%
141	9.823	9.778	9.845	VV	12140	252521	5.23%	0.433%
142	9.858	9.845	9.877	VV	4176	65400	1.36%	0.112%
143	9.907	9.877	9.921	VV	9875	157134	3.26%	0.269%
144	9.931	9.921	9.957	VV	7401	119288	2.47%	0.204%
145	9.989	9.957	10.015	VV	16496	282248	5.85%	0.484%
146	10.032	10.015	10.047	VV	7140	102207	2.12%	0.175%
147	10.063	10.047	10.074	VV	7256	93716	1.94%	0.161%
148	10.087	10.074	10.099	VV	8416	106162	2.20%	0.182%
149	10.112	10.099	10.137	VV	7792	132963	2.76%	0.228%
150	10.147	10.137	10.160	VV	4382	55829	1.16%	0.096%
151	10.184	10.160	10.212	VV	57806	644353	13.35%	1.104%
152	10.239	10.212	10.274	VV	6274	198184	4.11%	0.340%
153	10.310	10.274	10.365	VV	42093	649667	13.46%	1.113%
154	10.394	10.365	10.405	VV	3734	82238	1.70%	0.141%
155	10.425	10.405	10.466	VV	4205	118564	2.46%	0.203%

156	10.494	10.466	10.571	VV	5084	159579	3.31%	0.273%
157	10.590	10.571	10.609	VV	2100	41761	0.87%	0.072%
158	10.621	10.609	10.630	VV	1865	21876	0.45%	0.037%
159	10.659	10.630	10.680	VV	17223	233424	4.84%	0.400%
160	10.701	10.680	10.728	VV	12352	198810	4.12%	0.341%
161	10.762	10.728	10.776	VV	6419	126965	2.63%	0.218%
162	10.792	10.776	10.816	VV	8777	130753	2.71%	0.224%
163	10.838	10.816	10.879	VV	11213	192885	4.00%	0.331%
164	10.926	10.879	10.951	VV	5258	163073	3.38%	0.279%
165	10.978	10.951	11.002	VV	5375	125838	2.61%	0.216%
166	11.010	11.002	11.022	VV	3489	39031	0.81%	0.067%
167	11.052	11.022	11.097	VV	35022	499875	10.36%	0.857%
168	11.125	11.097	11.155	VV	19169	309903	6.42%	0.531%
169	11.164	11.155	11.230	VV	3122	108328	2.25%	0.186%
170	11.277	11.230	11.295	VV	2589	81106	1.68%	0.139%
171	11.324	11.295	11.357	VV	9509	169667	3.52%	0.291%
172	11.394	11.357	11.415	VV	3595	104332	2.16%	0.179%
173	11.450	11.415	11.488	VV	3996	116908	2.42%	0.200%
174	11.508	11.488	11.547	VV	3819	86440	1.79%	0.148%
175	11.564	11.547	11.600	VV	2669	58210	1.21%	0.100%
176	11.630	11.600	11.651	VV	3720	76261	1.58%	0.131%
177	11.681	11.651	11.702	VV	3180	79161	1.64%	0.136%
178	11.717	11.702	11.730	VV	2511	39184	0.81%	0.067%
179	11.760	11.730	11.785	VV	28503	358249	7.42%	0.614%
180	11.797	11.785	11.817	VV	2777	49162	1.02%	0.084%
181	11.850	11.817	11.891	VV	9741	183976	3.81%	0.315%
182	11.919	11.891	11.939	VV	2367	44494	0.92%	0.076%
183	11.979	11.939	11.998	VV	3828	76556	1.59%	0.131%
184	12.022	11.998	12.038	VV	2119	41540	0.86%	0.071%
185	12.088	12.038	12.116	VV	451021	4825023	100.00%	8.269%
186	12.129	12.116	12.144	VV	5944	74149	1.54%	0.127%
187	12.160	12.144	12.181	VV	8005	106534	2.21%	0.183%
188	12.193	12.181	12.231	VV	2278	53777	1.11%	0.092%
189	12.246	12.231	12.262	VV	2407	33030	0.68%	0.057%
190	12.279	12.262	12.295	VV	3500	45127	0.94%	0.077%
191	12.313	12.295	12.348	VV	3333	55553	1.15%	0.095%
192	12.374	12.348	12.388	VV	1108	21578	0.45%	0.037%
193	12.432	12.388	12.484	VV	21402	319194	6.62%	0.547%
194	12.531	12.484	12.574	VV	19621	337109	6.99%	0.578%
195	12.589	12.574	12.619	VV	5992	92758	1.92%	0.159%
196	12.633	12.619	12.648	VV	2361	33249	0.69%	0.057%
197	12.679	12.648	12.758	VV	41243	528582	10.96%	0.906%
198	12.777	12.758	12.795	VV	2070	36545	0.76%	0.063%
199	12.813	12.795	12.831	VV	1948	36875	0.76%	0.063%

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200	12.848	12.831	12.865	VV	2390	37127	0.77%	0.064%
201	12.876	12.865	12.888	VV	1666	20753	0.43%	0.036%
202	12.922	12.888	12.959	VV	2895	75827	1.57%	0.130%
203	12.968	12.959	12.983	VV	994	11628	0.24%	0.020%
204	13.034	12.983	13.050	VV	4212	78063	1.62%	0.134%
205	13.074	13.050	13.121	VV	16665	224069	4.64%	0.384%
206	13.157	13.121	13.211	VV	3758	87834	1.82%	0.151%
207	13.225	13.211	13.240	VV	336	3976	0.08%	0.007%
208	13.250	13.240	13.259	VV	281	2691	0.06%	0.005%
209	13.281	13.259	13.305	VV	730	10895	0.23%	0.019%
210	13.338	13.305	13.380	VV	962	24717	0.51%	0.042%
211	13.399	13.380	13.425	VV	740	11221	0.23%	0.019%
212	13.451	13.425	13.486	VV	1968	41846	0.87%	0.072%
213	13.525	13.486	13.571	VV	312866	3568207	73.95%	6.115%
214	13.574	13.571	13.607	VV	1309	20497	0.42%	0.035%
215	13.624	13.607	13.658	VV	843	18972	0.39%	0.033%
216	13.689	13.658	13.715	VV	8577	109141	2.26%	0.187%
217	13.737	13.715	13.761	VV	990	22678	0.47%	0.039%
218	13.782	13.761	13.805	VV	1286	23066	0.48%	0.040%
219	13.815	13.805	13.834	VV	540	6429	0.13%	0.011%
220	13.847	13.834	13.858	VV	442	4505	0.09%	0.008%
221	13.883	13.858	13.897	VV	756	11797	0.24%	0.020%
222	13.919	13.897	13.952	VV	2381	36619	0.76%	0.063%
223	13.963	13.952	14.017	VV	505	11397	0.24%	0.020%
224	14.041	14.017	14.095	VV	728	15820	0.33%	0.027%
225	14.136	14.095	14.171	VV	704	20798	0.43%	0.036%
226	14.195	14.171	14.211	VV	741	12498	0.26%	0.021%
227	14.230	14.211	14.251	VV	986	13805	0.29%	0.024%
228	14.277	14.251	14.311	VV	4984	70150	1.45%	0.120%
229	14.323	14.311	14.351	VV	764	15280	0.32%	0.026%
230	14.366	14.351	14.381	VV	646	7647	0.16%	0.013%
231	14.412	14.381	14.469	VV	2300	35433	0.73%	0.061%
232	14.505	14.469	14.561	PV	834	24444	0.51%	0.042%
233	14.578	14.561	14.595	VV	388	5453	0.11%	0.009%
234	14.607	14.595	14.621	VV	369	4279	0.09%	0.007%
235	14.685	14.621	14.704	VV	1464	38141	0.79%	0.065%
236	14.716	14.704	14.745	VV	1194	19187	0.40%	0.033%
237	14.784	14.745	14.817	VV	855	23876	0.49%	0.041%
238	14.843	14.817	14.866	VV	3157	45945	0.95%	0.079%
239	14.878	14.866	14.894	VV	856	11782	0.24%	0.020%
240	14.916	14.894	14.932	VV	1062	19411	0.40%	0.033%
241	14.947	14.932	14.961	VV	828	13187	0.27%	0.023%
242	14.967	14.961	15.015	VV	768	16389	0.34%	0.028%

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243	15.067	15.015	15.079	VV	565	19129	0.40%	0.033%
244	15.085	15.079	15.120	VV	572	11721	0.24%	0.020%
245	15.160	15.120	15.176	VV	531	13517	0.28%	0.023%
246	15.242	15.176	15.301	VV	793	35998	0.75%	0.062%
247	15.339	15.301	15.358	VV	1620	29347	0.61%	0.050%
248	15.383	15.358	15.409	VV	3299	53227	1.10%	0.091%
249	15.430	15.409	15.481	VV	1430	27492	0.57%	0.047%
250	15.497	15.481	15.548	VV	411	9217	0.19%	0.016%
251	15.574	15.548	15.611	PV	364	7611	0.16%	0.013%
252	15.646	15.611	15.686	VV	297	8156	0.17%	0.014%
253	15.696	15.686	15.713	VV	213	2073	0.04%	0.004%
254	15.773	15.713	15.858	VV	21869	438142	9.08%	0.751%
255	15.864	15.858	15.885	VV	652	8196	0.17%	0.014%
256	15.911	15.885	15.948	VV	2107	50552	1.05%	0.087%
257	15.989	15.948	16.077	VV	8467	127605	2.64%	0.219%
258	16.093	16.077	16.114	VV	186	2064	0.04%	0.004%
259	16.128	16.114	16.163	PV	113	2758	0.06%	0.005%
260	16.179	16.163	16.200	VV	381	5291	0.11%	0.009%
261	16.226	16.200	16.242	VV	258	4832	0.10%	0.008%
262	16.251	16.242	16.271	VV	191	1629	0.03%	0.003%
263	16.299	16.271	16.351	PV	735	19437	0.40%	0.033%
264	16.372	16.351	16.386	VV	437	6737	0.14%	0.012%
265	16.409	16.386	16.433	VV	1882	25347	0.53%	0.043%
266	16.471	16.433	16.511	VV	526	14223	0.29%	0.024%
267	16.526	16.511	16.561	VV	193	3022	0.06%	0.005%
268	16.630	16.561	16.658	PV	224	8874	0.18%	0.015%
269	16.712	16.658	16.758	PV	1630	31888	0.66%	0.055%
270	16.795	16.758	16.841	VV	4359	93153	1.93%	0.160%
271	16.862	16.841	16.871	VV	761	12612	0.26%	0.022%
272	16.897	16.871	16.952	VV	3123	60467	1.25%	0.104%
273	16.977	16.952	17.005	VV	1720	25881	0.54%	0.044%
274	17.036	17.005	17.065	VV	340	7099	0.15%	0.012%
275	17.069	17.065	17.082	VV	236	1381	0.03%	0.002%
276	17.152	17.082	17.178	PV	1372	18872	0.39%	0.032%
277	17.228	17.178	17.255	VV	970	15409	0.32%	0.026%
278	17.286	17.255	17.308	VV	1120	18265	0.38%	0.031%
279	17.362	17.308	17.395	VV	3906	66813	1.38%	0.114%
280	17.411	17.395	17.426	VV	1272	18042	0.37%	0.031%
281	17.442	17.426	17.467	VV	1043	14461	0.30%	0.025%
282	17.512	17.467	17.525	PV	243	5516	0.11%	0.009%
283	17.621	17.525	17.665	VV	505	19091	0.40%	0.033%
284	17.741	17.665	17.774	PV	2063	50569	1.05%	0.087%
285	17.812	17.774	17.846	VV	6153	102913	2.13%	0.176%

286	17.862	17.846	17.877	VV	666	10281	0.21%	0.018%
287	17.895	17.877	17.921	VV	957	13016	0.27%	0.022%
288	17.956	17.921	17.973	VV	417	9110	0.19%	0.016%
289	18.207	17.973	18.225	VV	1813	60008	1.24%	0.103%
290	18.252	18.225	18.311	VV	7164	132435	2.74%	0.227%
291	18.341	18.311	18.365	VV	1679	21459	0.44%	0.037%
292	18.384	18.365	18.402	PV	1062	13250	0.27%	0.023%
293	18.419	18.402	18.432	VV	634	6601	0.14%	0.011%
294	18.448	18.432	18.466	VV	460	6059	0.13%	0.010%
295	18.499	18.466	18.540	PV	1172	24161	0.50%	0.041%
296	18.589	18.540	18.598	PV	3169	47266	0.98%	0.081%
297	18.623	18.598	18.651	VV	9055	194292	4.03%	0.333%
298	18.675	18.651	18.722	VV	9465	186182	3.86%	0.319%
299	18.819	18.722	18.836	VV	1749	101831	2.11%	0.175%
300	18.850	18.836	18.860	VV	1108	15473	0.32%	0.027%
301	18.921	18.860	18.964	VV	5572	162113	3.36%	0.278%
302	18.979	18.964	19.015	VV	2083	47114	0.98%	0.081%
303	19.086	19.015	19.112	VV	9019	202140	4.19%	0.346%
304	19.124	19.112	19.144	VV	2606	43403	0.90%	0.074%
305	19.185	19.144	19.215	VV	8551	187298	3.88%	0.321%
306	19.258	19.215	19.288	VV	2883	104233	2.16%	0.179%
307	19.307	19.288	19.326	VV	2306	49412	1.02%	0.085%
308	19.368	19.326	19.397	VV	3360	113836	2.36%	0.195%
309	19.428	19.397	19.444	VV	10479	186168	3.86%	0.319%
310	19.476	19.444	19.534	VV	12353	436235	9.04%	0.748%
311	19.588	19.534	19.604	VV	5584	211739	4.39%	0.363%
312	19.635	19.604	19.655	VV	6044	173198	3.59%	0.297%
313	19.761	19.655	19.775	VV	6506	413554	8.57%	0.709%
314	19.796	19.775	19.815	VV	6864	152829	3.17%	0.262%
315	19.871	19.815	19.904	VV	11418	417458	8.65%	0.715%
316	19.948	19.904	19.965	VV	11975	341665	7.08%	0.586%
317	19.984	19.965	20.008	VV	11020	259753	5.38%	0.445%
318	20.057	20.008	20.085	VV	11489	483528	10.02%	0.829%
319	20.181	20.085	20.204	VV	15583	851041	17.64%	1.458%
320	20.243	20.204	20.280	VV	33990	918151	19.03%	1.573%
321	20.481	20.280	20.531	VV	18780	2492625	51.66%	4.272%
322	20.542	20.531	20.550	VV	17603	199564	4.14%	0.342%
323	20.612	20.550	20.648	VV	20633	1082663	22.44%	1.855%
324	20.790	20.648	20.802	VV	25466	1981449	41.07%	3.396%
325	20.813	20.802	20.824	VV	25061	336589	6.98%	0.577%
326	20.850	20.824	20.876	VV	25683	792437	16.42%	1.358%
327	20.902	20.876	20.965	VV	25292	1271983	26.36%	2.180%
328	20.984	20.965	21.039	VV	22666	958130	19.86%	1.642%
329	21.142	21.039	21.219	VV	22566	2315502	47.99%	3.968%

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330	21.226	21.219	21.288	VV	20080	772280	16.01%	1.323%
331	21.316	21.288	21.341	VV	18538	570065	11.81%	0.977%
332	21.393	21.341	21.527	VV	18609	1681248	34.84%	2.881%
333	21.625	21.527	21.636	VV	13298	820832	17.01%	1.407%
334	21.652	21.636	21.670	VV	13030	265236	5.50%	0.455%
335	21.725	21.670	21.758	VV	13449	685514	14.21%	1.175%
336	21.776	21.758	21.838	VV	12565	550978	11.42%	0.944%
337	21.849	21.838	21.891	VV	10054	291843	6.05%	0.500%
338	22.001	21.891	22.021	VV	7945	608173	12.60%	1.042%
339	22.039	22.021	22.075	VV	7504	232226	4.81%	0.398%
340	22.122	22.075	22.203	VV	6631	427647	8.86%	0.733%
341	22.222	22.203	22.231	VV	3660	60167	1.25%	0.103%
342	22.288	22.231	22.301	VV	3523	145863	3.02%	0.250%
343	22.390	22.301	22.454	VV	4097	324091	6.72%	0.555%
344	22.487	22.454	22.555	VV	2627	108848	2.26%	0.187%

Sum of corrected areas: 58352884

Aliphatic EPH 080125.M Wed Aug 13 06:37:25 2025

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/01/25
Project:	11 Newman Ave Nutley	Date Received:	08/01/25
Client Sample ID:	5	SDG No.:	Q2757
Lab Sample ID:	Q2757-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.2
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
08/11/25 11:45	08/12/25 14:55	PB169208

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	49.0		1	1.12	4.92	mg/kg	FE055256.D
Total EPH	Total EPH	49.0			1.12	4.92	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:	Sciacca General Contractors, LLC	Date Collected:	08/01/25
Project:	11 Newman Ave Nutley	Date Received:	08/01/25
Client Sample ID:	5	SDG No.:	Q2757
Lab Sample ID:	Q2757-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.2
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
FE055256.D	1	08/11/25	08/12/25	PB169208

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		49.0		1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		89.5	E	1.45	2.46	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		45.4		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		42.7		40 - 140	85%	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:	Q2757-07	Acq On:	12 Aug 2025 14:55
Client Sample ID:	5	Operator:	YP\AJ
Data file:	FE055256.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.959	1344684	11.514	300	ug/ml
Aliphatic C12-C16	6.960	10.413	3098531	24.743	200	ug/ml
Aliphatic C16-C21	10.414	13.793	3745716	29.633	300	ug/ml
Aliphatic C21-C28	13.794	17.466	64171793	532.521	400	ug/ml
Aliphatic C28-C40	17.467	22.498	124616143	1090	600	ug/ml
Aliphatic EPH	3.323	22.498	196976867	1690		ug/ml
ortho-Terphenyl (SURR)	12.090	12.090	6101386	42.73		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	4882975	45.41		ug/ml
Aliphatic C9-C28	3.323	17.466	72360724	598.411	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055256.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 14:55
Operator : YP\AJ
Sample : Q2757-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5

Integration File: autoint1.e
Quant Time: Aug 13 04:03:27 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)	12.090	6101386	42.726 ug/ml
Spiked Amount 50.000		Recovery =	85.45%
12) S 1-chlorooctadecane (S...	13.526	4882975	45.413 ug/ml
Spiked Amount 50.000		Recovery =	90.83%
Target Compounds			

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

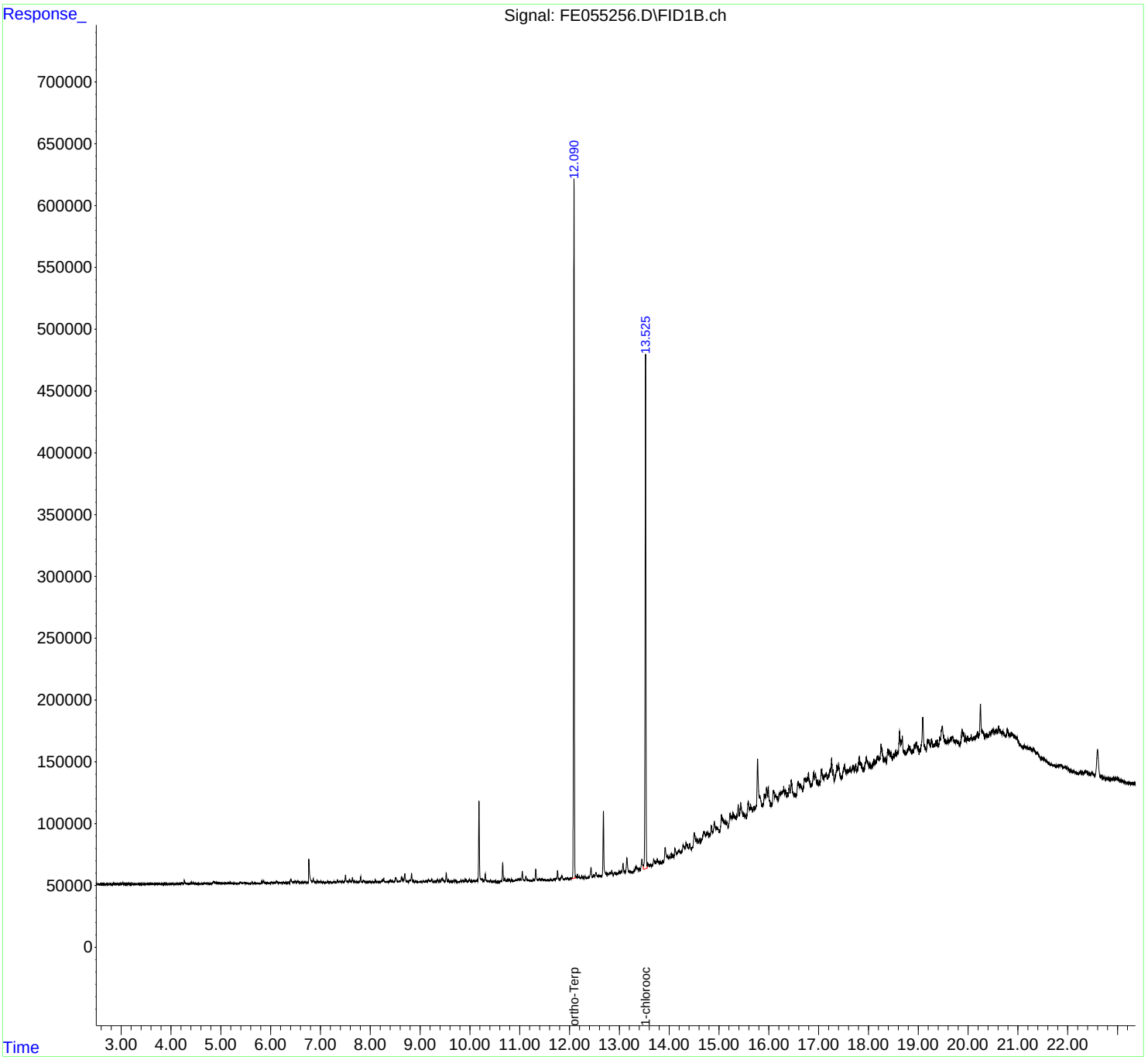
Quantitation Report (QT Reviewed)

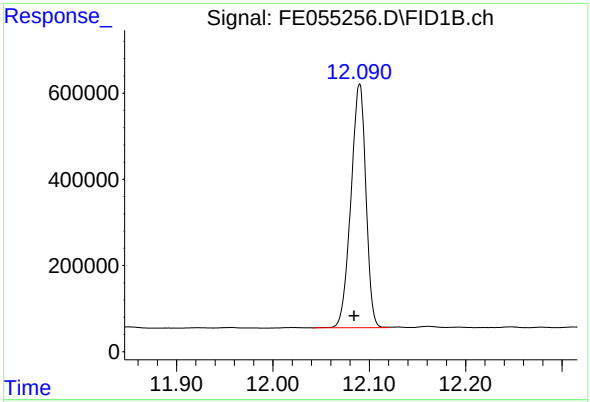
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055256.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 14:55
Operator : YP\AJ
Sample : Q2757-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5

Integration File: autoint1.e
Quant Time: Aug 13 04:03:27 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

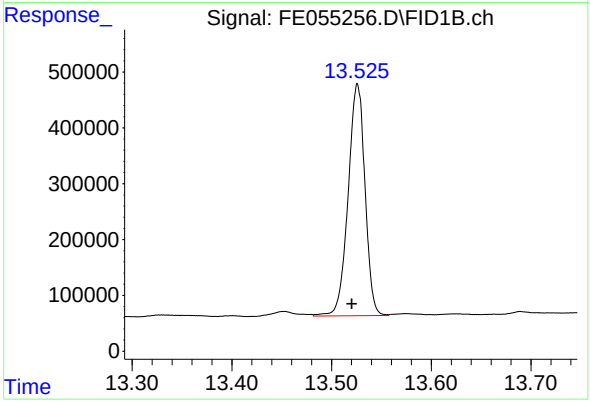




#9 ortho-Terphenyl (SURR)

R.T.: 12.090 min
Delta R.T.: 0.006 min
Response: 6101386
Conc: 42.73 ug/ml

Instrument :
FID_E
ClientSampleId :
5



#12 1-chlorooctadecane (SURR)

R.T.: 13.526 min
Delta R.T.: 0.006 min
Response: 4882975
Conc: 45.41 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055256.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 14:55
Sample : Q2757-07
Misc :
ALS Vial : 21 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	2.847	2.804	2.897	BV	300	5613	0.09%	0.003%
2	2.935	2.897	2.953	PV	140	3529	0.06%	0.002%
3	2.965	2.953	3.017	VV	218	5945	0.10%	0.003%
4	3.034	3.017	3.100	VV	602	14574	0.24%	0.007%
5	3.115	3.100	3.141	VV	313	3529	0.06%	0.002%
6	3.158	3.141	3.249	VV	411	9452	0.15%	0.005%
7	3.294	3.249	3.314	PV	228	5051	0.08%	0.002%
8	3.326	3.314	3.361	VV	234	4125	0.07%	0.002%
9	3.368	3.361	3.378	VV	142	983	0.02%	0.000%
10	3.388	3.378	3.434	VV	164	4606	0.07%	0.002%
11	3.447	3.434	3.458	VV	123	1637	0.03%	0.001%
12	3.470	3.458	3.511	VV	128	2915	0.05%	0.001%
13	3.542	3.511	3.557	VV	299	4758	0.08%	0.002%
14	3.566	3.557	3.588	VV	262	3940	0.06%	0.002%
15	3.606	3.588	3.621	VV	267	4640	0.08%	0.002%
16	3.633	3.621	3.724	VV	331	11650	0.19%	0.006%
17	3.745	3.724	3.761	VV	246	4448	0.07%	0.002%
18	3.772	3.761	3.804	VV	245	4807	0.08%	0.002%
19	3.820	3.804	3.854	VV	219	5190	0.08%	0.002%
20	3.872	3.854	3.904	VV	314	6850	0.11%	0.003%
21	3.914	3.904	3.944	VV	249	4037	0.07%	0.002%
22	3.954	3.944	3.993	VV	151	3770	0.06%	0.002%
23	4.013	3.993	4.028	VV	421	5496	0.09%	0.003%
24	4.037	4.028	4.075	VV	347	4971	0.08%	0.002%
25	4.112	4.075	4.178	VV	665	14499	0.24%	0.007%

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26	4.216	4.178	4.240	VV	1232	17287	0.28%	0.008%
27	4.269	4.240	4.306	VV	3169	41703	0.68%	0.020%
28	4.324	4.306	4.374	VV	494	12532	0.20%	0.006%
29	4.407	4.374	4.434	VV	1444	20892	0.34%	0.010%
30	4.448	4.434	4.500	VV	768	15942	0.26%	0.008%
31	4.517	4.500	4.535	VV	301	5061	0.08%	0.002%
32	4.543	4.535	4.558	VV	167	1497	0.02%	0.001%
33	4.624	4.558	4.651	PV	461	11987	0.19%	0.006%
34	4.680	4.651	4.704	VV	890	15071	0.24%	0.007%
35	4.724	4.704	4.744	VV	709	9833	0.16%	0.005%
36	4.757	4.744	4.774	VV	274	3880	0.06%	0.002%
37	4.792	4.774	4.812	VV	297	4479	0.07%	0.002%
38	4.852	4.812	4.954	VV	1736	77576	1.26%	0.037%
39	4.966	4.954	5.010	VV	739	19501	0.32%	0.009%
40	5.023	5.010	5.039	VV	475	7416	0.12%	0.004%
41	5.072	5.039	5.088	VV	584	15463	0.25%	0.007%
42	5.103	5.088	5.120	VV	870	11185	0.18%	0.005%
43	5.144	5.120	5.168	VV	730	13391	0.22%	0.006%
44	5.187	5.168	5.228	VV	859	17028	0.28%	0.008%
45	5.234	5.228	5.246	VV	286	2613	0.04%	0.001%
46	5.268	5.246	5.294	VV	395	7296	0.12%	0.004%
47	5.303	5.294	5.321	VV	253	2998	0.05%	0.001%
48	5.340	5.321	5.368	VV	318	5792	0.09%	0.003%
49	5.391	5.368	5.423	VV	1377	23451	0.38%	0.011%
50	5.445	5.423	5.459	VV	767	10728	0.17%	0.005%
51	5.474	5.459	5.490	VV	1124	12224	0.20%	0.006%
52	5.501	5.490	5.554	VV	528	9094	0.15%	0.004%
53	5.565	5.554	5.590	VV	106	1923	0.03%	0.001%
54	5.627	5.590	5.658	VV	1166	16153	0.26%	0.008%
55	5.681	5.658	5.691	VV	507	6729	0.11%	0.003%
56	5.699	5.691	5.722	VV	454	4811	0.08%	0.002%
57	5.744	5.722	5.794	VV	127	4049	0.07%	0.002%
58	5.822	5.794	5.839	VV	2298	24418	0.40%	0.012%
59	5.857	5.839	5.872	VV	2028	23565	0.38%	0.011%
60	5.882	5.872	5.917	VV	911	15286	0.25%	0.007%
61	5.934	5.917	5.986	VV	789	13068	0.21%	0.006%
62	6.019	5.986	6.041	VV	1311	19982	0.32%	0.010%
63	6.052	6.041	6.061	VV	573	5686	0.09%	0.003%
64	6.071	6.061	6.091	VV	542	8121	0.13%	0.004%
65	6.120	6.091	6.162	VV	2165	42457	0.69%	0.020%
66	6.183	6.162	6.203	VV	822	13255	0.22%	0.006%
67	6.216	6.203	6.232	VV	744	8281	0.13%	0.004%
68	6.255	6.232	6.283	VV	1044	17121	0.28%	0.008%
69	6.305	6.283	6.327	VV	774	12368	0.20%	0.006%

70	6.363	6.327	6.379	VV	846	17909	0.29%	0.009%
71	6.407	6.379	6.457	VV	3086	70347	1.14%	0.034%
72	6.473	6.457	6.487	VV	1585	20571	0.33%	0.010%
73	6.498	6.487	6.523	VV	1244	18776	0.30%	0.009%
74	6.549	6.523	6.577	VV	1460	32727	0.53%	0.016%
75	6.588	6.577	6.614	VV	789	13543	0.22%	0.007%
76	6.632	6.614	6.661	VV	1239	20351	0.33%	0.010%
77	6.692	6.661	6.734	VV	1619	39227	0.64%	0.019%
78	6.744	6.734	6.754	VV	630	6673	0.11%	0.003%
79	6.768	6.754	6.837	VV	19239	279798	4.54%	0.134%
80	6.856	6.837	6.908	VV	3690	65773	1.07%	0.032%
81	6.933	6.908	6.960	VV	1726	32474	0.53%	0.016%
82	6.976	6.960	6.995	VV	1279	20575	0.33%	0.010%
83	7.011	6.995	7.038	VV	1754	24656	0.40%	0.012%
84	7.062	7.038	7.098	VV	1119	23786	0.39%	0.011%
85	7.117	7.098	7.126	VV	538	7532	0.12%	0.004%
86	7.147	7.126	7.167	VV	1856	24482	0.40%	0.012%
87	7.190	7.167	7.237	VV	902	25047	0.41%	0.012%
88	7.271	7.237	7.295	VV	1343	25014	0.41%	0.012%
89	7.312	7.295	7.324	VV	620	9032	0.15%	0.004%
90	7.341	7.324	7.363	VV	2225	32873	0.53%	0.016%
91	7.394	7.363	7.417	VV	1400	35540	0.58%	0.017%
92	7.437	7.417	7.468	VV	1791	31260	0.51%	0.015%
93	7.504	7.468	7.525	VV	6501	88500	1.44%	0.043%
94	7.534	7.525	7.563	VV	1345	22986	0.37%	0.011%
95	7.582	7.563	7.624	VV	2318	50128	0.81%	0.024%
96	7.643	7.624	7.694	VV	4384	72837	1.18%	0.035%
97	7.704	7.694	7.751	VV	956	25696	0.42%	0.012%
98	7.771	7.751	7.780	VV	812	12733	0.21%	0.006%
99	7.808	7.780	7.840	VV	5214	70642	1.15%	0.034%
100	7.862	7.840	7.884	VV	2125	32954	0.54%	0.016%
101	7.898	7.884	7.921	VV	1001	17546	0.28%	0.008%
102	7.929	7.921	7.964	VV	644	15061	0.24%	0.007%
103	7.988	7.964	8.017	VV	1256	24407	0.40%	0.012%
104	8.041	8.017	8.058	VV	879	15896	0.26%	0.008%
105	8.101	8.058	8.128	VV	2280	40064	0.65%	0.019%
106	8.153	8.128	8.169	VV	1000	17984	0.29%	0.009%
107	8.180	8.169	8.194	VV	597	8017	0.13%	0.004%
108	8.241	8.194	8.252	VV	1728	36260	0.59%	0.017%
109	8.270	8.252	8.324	VV	3588	61861	1.00%	0.030%
110	8.342	8.324	8.364	VV	1057	16404	0.27%	0.008%
111	8.406	8.364	8.427	VV	1923	44534	0.72%	0.021%
112	8.440	8.427	8.468	VV	1097	21760	0.35%	0.010%

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113	8.473	8.468	8.484	VV	699	6945	0.11%	0.003%
114	8.513	8.484	8.557	VV	3828	82606	1.34%	0.040%
115	8.586	8.557	8.600	VV	1295	25775	0.42%	0.012%
116	8.626	8.600	8.642	VV	5104	65457	1.06%	0.031%
117	8.655	8.642	8.670	VV	3560	42240	0.69%	0.020%
118	8.693	8.670	8.727	VV	7073	104856	1.70%	0.050%
119	8.739	8.727	8.762	VV	977	17074	0.28%	0.008%
120	8.791	8.762	8.802	VV	1796	31267	0.51%	0.015%
121	8.829	8.802	8.851	VV	7235	96439	1.57%	0.046%
122	8.866	8.851	8.891	VV	1508	21724	0.35%	0.010%
123	8.906	8.891	8.938	VV	1079	19026	0.31%	0.009%
124	8.949	8.938	8.968	VV	506	6935	0.11%	0.003%
125	9.014	8.968	9.044	VV	575	19777	0.32%	0.010%
126	9.064	9.044	9.088	VV	1329	22011	0.36%	0.011%
127	9.113	9.088	9.143	VV	1000	26605	0.43%	0.013%
128	9.168	9.143	9.199	VV	2141	43840	0.71%	0.021%
129	9.236	9.199	9.262	VV	2931	54585	0.89%	0.026%
130	9.282	9.262	9.302	VV	733	14445	0.23%	0.007%
131	9.353	9.302	9.373	VV	2243	42818	0.70%	0.021%
132	9.389	9.373	9.405	VV	1305	18195	0.30%	0.009%
133	9.450	9.405	9.496	VV	3423	92939	1.51%	0.045%
134	9.525	9.496	9.549	VV	7485	91813	1.49%	0.044%
135	9.568	9.549	9.596	VV	2245	32573	0.53%	0.016%
136	9.608	9.596	9.640	VV	558	11878	0.19%	0.006%
137	9.685	9.640	9.701	VV	1636	28703	0.47%	0.014%
138	9.716	9.701	9.754	VV	1511	21360	0.35%	0.010%
139	9.768	9.754	9.782	VV	313	4306	0.07%	0.002%
140	9.822	9.782	9.839	VV	1522	26537	0.43%	0.013%
141	9.855	9.839	9.881	VV	1447	23091	0.37%	0.011%
142	9.908	9.881	9.958	VV	2182	49541	0.80%	0.024%
143	9.988	9.958	10.015	VV	2268	38622	0.63%	0.019%
144	10.031	10.015	10.045	VV	955	12859	0.21%	0.006%
145	10.067	10.045	10.077	VV	1203	17635	0.29%	0.008%
146	10.087	10.077	10.100	VV	1205	13736	0.22%	0.007%
147	10.116	10.100	10.125	VV	922	12092	0.20%	0.006%
148	10.145	10.125	10.158	VV	1624	22622	0.37%	0.011%
149	10.184	10.158	10.230	VV	65108	722525	11.73%	0.347%
150	10.242	10.230	10.288	VV	2117	50302	0.82%	0.024%
151	10.310	10.288	10.348	VV	6438	92377	1.50%	0.044%
152	10.359	10.348	10.386	VV	768	14333	0.23%	0.007%
153	10.416	10.386	10.462	VV	1013	23792	0.39%	0.011%
154	10.493	10.462	10.541	VV	649	13702	0.22%	0.007%
155	10.588	10.541	10.607	PV	229	5454	0.09%	0.003%

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156	10.660	10.607	10.684	VV	15133	174999	2.84%	0.084%
157	10.701	10.684	10.722	VV	2421	35055	0.57%	0.017%
158	10.759	10.722	10.776	VV	1374	32802	0.53%	0.016%
159	10.792	10.776	10.818	VV	1571	22965	0.37%	0.011%
160	10.838	10.818	10.878	VV	1622	26312	0.43%	0.013%
161	10.919	10.878	10.944	VV	1037	27379	0.44%	0.013%
162	10.969	10.944	10.990	VV	1997	38376	0.62%	0.018%
163	11.006	10.990	11.028	VV	1944	30512	0.50%	0.015%
164	11.052	11.028	11.097	VV	7987	111642	1.81%	0.054%
165	11.124	11.097	11.148	VV	3818	57101	0.93%	0.027%
166	11.161	11.148	11.214	VV	861	23281	0.38%	0.011%
167	11.219	11.214	11.240	VV	186	2903	0.05%	0.001%
168	11.277	11.240	11.296	VV	1431	22947	0.37%	0.011%
169	11.322	11.296	11.358	VV	9230	123158	2.00%	0.059%
170	11.397	11.358	11.429	VV	2117	45263	0.73%	0.022%
171	11.450	11.429	11.490	VV	1506	29064	0.47%	0.014%
172	11.508	11.490	11.548	VV	899	16404	0.27%	0.008%
173	11.565	11.548	11.594	VV	700	9648	0.16%	0.005%
174	11.615	11.594	11.652	VV	999	17725	0.29%	0.009%
175	11.689	11.652	11.714	PV	1025	18332	0.30%	0.009%
176	11.759	11.714	11.811	VV	7716	118280	1.92%	0.057%
177	11.849	11.811	11.879	VV	3235	64091	1.04%	0.031%
178	11.891	11.879	11.902	VV	512	5764	0.09%	0.003%
179	11.922	11.902	11.938	VV	1154	15920	0.26%	0.008%
180	11.956	11.938	11.993	VV	1426	22767	0.37%	0.011%
181	12.021	11.993	12.041	VV	1277	20407	0.33%	0.010%
182	12.090	12.041	12.143	VV	571601	6159542	100.00%	2.960%
183	12.161	12.143	12.180	VV	3816	52658	0.85%	0.025%
184	12.192	12.180	12.211	VV	1806	25161	0.41%	0.012%
185	12.247	12.211	12.264	VV	2424	37811	0.61%	0.018%
186	12.279	12.264	12.294	VV	1588	17597	0.29%	0.008%
187	12.312	12.294	12.343	VV	1918	25179	0.41%	0.012%
188	12.375	12.343	12.389	PV	713	11645	0.19%	0.006%
189	12.431	12.389	12.459	VV	8350	133981	2.18%	0.064%
190	12.488	12.459	12.508	VV	2413	42763	0.69%	0.021%
191	12.530	12.508	12.555	VV	3843	64759	1.05%	0.031%
192	12.564	12.555	12.577	VV	1139	12374	0.20%	0.006%
193	12.595	12.577	12.620	VV	1072	18563	0.30%	0.009%
194	12.630	12.620	12.643	VV	454	4051	0.07%	0.002%
195	12.680	12.643	12.755	VV	53077	647440	10.51%	0.311%
196	12.771	12.755	12.787	VV	1934	24603	0.40%	0.012%
197	12.810	12.787	12.831	VV	2246	39843	0.65%	0.019%
198	12.847	12.831	12.880	VV	3938	50653	0.82%	0.024%
199	12.900	12.880	12.931	VV	1959	32314	0.52%	0.016%

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200	12.941	12.931	12.953	VV	687	7717	0.13%	0.004%
201	12.996	12.953	13.008	VV	1694	36158	0.59%	0.017%
202	13.035	13.008	13.050	VV	1981	42381	0.69%	0.020%
203	13.074	13.050	13.096	VV	8360	115749	1.88%	0.056%
204	13.105	13.096	13.120	VV	1783	19118	0.31%	0.009%
205	13.152	13.120	13.205	VV	12316	216334	3.51%	0.104%
206	13.222	13.205	13.258	VV	1145	18042	0.29%	0.009%
207	13.295	13.258	13.308	PV	1289	17635	0.29%	0.008%
208	13.330	13.308	13.384	VV	3868	114036	1.85%	0.055%
209	13.400	13.384	13.417	VV	2013	24019	0.39%	0.012%
210	13.452	13.417	13.484	VV	9112	174954	2.84%	0.084%
211	13.526	13.484	13.558	VV	413740	4912221	79.75%	2.361%
212	13.575	13.558	13.603	VV	4212	85788	1.39%	0.041%
213	13.625	13.603	13.651	VV	3305	74217	1.20%	0.036%
214	13.690	13.651	13.732	VV	6827	195216	3.17%	0.094%
215	13.761	13.732	13.809	VV	5941	206912	3.36%	0.099%
216	13.827	13.809	13.844	VV	3602	65003	1.06%	0.031%
217	13.870	13.844	13.881	VV	3596	69297	1.13%	0.033%
218	13.920	13.881	13.956	VV	13913	363270	5.90%	0.175%
219	13.968	13.956	13.987	VV	7306	119298	1.94%	0.057%
220	14.001	13.987	14.017	VV	6897	107870	1.75%	0.052%
221	14.040	14.017	14.057	VV	8367	158607	2.57%	0.076%
222	14.071	14.057	14.094	VV	6957	136258	2.21%	0.065%
223	14.118	14.094	14.156	VV	11963	326884	5.31%	0.157%
224	14.194	14.156	14.233	VV	9829	403082	6.54%	0.194%
225	14.279	14.233	14.315	VV	13443	515282	8.37%	0.248%
226	14.339	14.315	14.355	VV	14854	308523	5.01%	0.148%
227	14.367	14.355	14.394	VV	13402	268968	4.37%	0.129%
228	14.413	14.394	14.447	VV	13522	341043	5.54%	0.164%
229	14.502	14.447	14.537	VV	21431	790033	12.83%	0.380%
230	14.547	14.537	14.561	VV	16079	217280	3.53%	0.104%
231	14.577	14.561	14.594	VV	16087	282608	4.59%	0.136%
232	14.613	14.594	14.629	VV	15614	294714	4.78%	0.142%
233	14.697	14.629	14.731	VV	21176	1050737	17.06%	0.505%
234	14.751	14.731	14.764	VV	19219	361820	5.87%	0.174%
235	14.777	14.764	14.796	VV	19593	352535	5.72%	0.169%
236	14.815	14.796	14.824	VV	18382	293758	4.77%	0.141%
237	14.846	14.824	14.881	VV	24201	700122	11.37%	0.336%
238	14.906	14.881	14.938	VV	27056	782237	12.70%	0.376%
239	14.947	14.938	15.001	VV	22466	788461	12.80%	0.379%
240	15.050	15.001	15.115	VV	30852	1687266	27.39%	0.811%
241	15.131	15.115	15.147	VV	25927	468930	7.61%	0.225%
242	15.160	15.147	15.186	VV	25165	535793	8.70%	0.257%

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243	15.222	15.186	15.261	VV	30770	1202820	19.53%	0.578%
244	15.280	15.261	15.345	VV	31457	1410906	22.91%	0.678%
245	15.358	15.345	15.366	VV	28409	347033	5.63%	0.167%
246	15.386	15.366	15.406	VV	36596	748386	12.15%	0.360%
247	15.437	15.406	15.486	VV	38053	1516661	24.62%	0.729%
248	15.496	15.486	15.545	VV	28911	945289	15.35%	0.454%
249	15.587	15.545	15.618	VV	37004	1379232	22.39%	0.663%
250	15.635	15.618	15.650	VV	35134	626376	10.17%	0.301%
251	15.659	15.650	15.681	VV	31858	564327	9.16%	0.271%
252	15.698	15.681	15.714	VV	32427	619340	10.05%	0.298%
253	15.775	15.714	15.812	VV	70414	2529406	41.06%	1.215%
254	15.821	15.812	15.858	VV	40386	1002570	16.28%	0.482%
255	15.910	15.858	15.938	VV	39021	1729054	28.07%	0.831%
256	15.958	15.938	15.974	VV	46164	914296	14.84%	0.439%
257	15.991	15.974	16.030	VV	46071	1273890	20.68%	0.612%
258	16.050	16.030	16.064	VV	31646	631248	10.25%	0.303%
259	16.094	16.064	16.118	VV	41756	1219457	19.80%	0.586%
260	16.139	16.118	16.188	VV	38243	1521870	24.71%	0.731%
261	16.244	16.188	16.258	VV	39682	1599718	25.97%	0.769%
262	16.300	16.258	16.324	VV	43371	1579874	25.65%	0.759%
263	16.337	16.324	16.364	VV	40504	897269	14.57%	0.431%
264	16.375	16.364	16.390	VV	38086	592497	9.62%	0.285%
265	16.410	16.390	16.426	VV	43768	858031	13.93%	0.412%
266	16.452	16.426	16.502	VV	46924	1836409	29.81%	0.882%
267	16.520	16.502	16.561	VV	36269	1230324	19.97%	0.591%
268	16.588	16.561	16.613	VV	45006	1319119	21.42%	0.634%
269	16.641	16.613	16.681	VV	42372	1622158	26.34%	0.780%
270	16.724	16.681	16.749	VV	46938	1776679	28.84%	0.854%
271	16.768	16.749	16.784	VV	46981	963824	15.65%	0.463%
272	16.797	16.784	16.861	VV	51213	2008604	32.61%	0.965%
273	16.903	16.861	16.920	VV	50354	1575751	25.58%	0.757%
274	16.937	16.920	16.967	VV	48447	1264946	20.54%	0.608%
275	16.979	16.967	16.998	VV	42800	763124	12.39%	0.367%
276	17.063	16.998	17.108	VV	50436	2903248	47.13%	1.395%
277	17.125	17.108	17.141	VV	46350	902173	14.65%	0.434%
278	17.154	17.141	17.176	VV	47509	953444	15.48%	0.458%
279	17.261	17.176	17.313	VV	58119	3885834	63.09%	1.867%
280	17.404	17.313	17.445	VV	52909	3666927	59.53%	1.762%
281	17.503	17.445	17.514	VV	48839	1821471	29.57%	0.875%
282	17.520	17.514	17.561	VV	50822	1316314	21.37%	0.633%
283	17.626	17.561	17.654	VV	48079	2537414	41.19%	1.219%
284	17.694	17.654	17.720	VV	48795	1825111	29.63%	0.877%
285	17.747	17.720	17.764	VV	49865	1246179	20.23%	0.599%

286	17.815	17.764	17.888	VV	54703	3553469	57.69%	1.708%
287	17.901	17.888	17.920	VV	44978	847357	13.76%	0.407%
288	17.959	17.920	18.011	VV	53741	2685798	43.60%	1.291%
289	18.032	18.011	18.051	VV	47500	1095269	17.78%	0.526%
290	18.078	18.051	18.087	VV	46930	979274	15.90%	0.471%
291	18.107	18.087	18.151	VV	50883	1836186	29.81%	0.882%
292	18.188	18.151	18.216	VV	52685	1938057	31.46%	0.931%
293	18.254	18.216	18.328	VV	61535	3522270	57.18%	1.693%
294	18.349	18.328	18.364	VV	49611	1054730	17.12%	0.507%
295	18.389	18.364	18.401	VV	55873	1148780	18.65%	0.552%
296	18.417	18.401	18.441	VV	55086	1273371	20.67%	0.612%
297	18.452	18.441	18.488	VV	52772	1393269	22.62%	0.670%
298	18.503	18.488	18.524	VV	51157	1096024	17.79%	0.527%
299	18.550	18.524	18.561	VV	54305	1136285	18.45%	0.546%
300	18.625	18.561	18.655	VV	67870	3207429	52.07%	1.541%
301	18.680	18.655	18.745	VV	64337	2961274	48.08%	1.423%
302	18.806	18.745	18.815	VV	55195	2195817	35.65%	1.055%
303	18.833	18.815	18.870	VV	54540	1718491	27.90%	0.826%
304	18.884	18.870	18.902	VV	51386	960976	15.60%	0.462%
305	18.964	18.902	19.015	VV	56839	3592561	58.33%	1.726%
306	19.091	19.015	19.160	VV	75614	4836078	78.51%	2.324%
307	19.193	19.160	19.248	VV	57244	2825121	45.87%	1.358%
308	19.267	19.248	19.295	VV	57067	1534222	24.91%	0.737%
309	19.304	19.295	19.314	VV	52357	595036	9.66%	0.286%
310	19.378	19.314	19.411	VV	54550	3017496	48.99%	1.450%
311	19.429	19.411	19.444	VV	57315	1089581	17.69%	0.524%
312	19.484	19.444	19.583	VV	65426	4718197	76.60%	2.267%
313	19.597	19.583	19.621	VV	54909	1199747	19.48%	0.577%
314	19.686	19.621	19.724	VV	55652	3298853	53.56%	1.585%
315	19.736	19.724	19.751	VV	51869	817307	13.27%	0.393%
316	19.773	19.751	19.808	VV	51702	1726343	28.03%	0.830%
317	19.811	19.808	19.834	VV	49811	757067	12.29%	0.364%
318	19.879	19.834	19.892	VV	59238	1844785	29.95%	0.887%
319	19.899	19.892	19.934	VV	57116	1359139	22.07%	0.653%
320	19.949	19.934	19.971	VV	53671	1152364	18.71%	0.554%
321	19.991	19.971	20.008	VV	52529	1125193	18.27%	0.541%
322	20.063	20.008	20.092	VV	53971	2577742	41.85%	1.239%
323	20.113	20.092	20.138	VV	51976	1381279	22.43%	0.664%
324	20.193	20.138	20.211	VV	55435	2272806	36.90%	1.092%
325	20.249	20.211	20.344	VV	77055	4527901	73.51%	2.176%
326	20.355	20.344	20.368	VV	51927	709129	11.51%	0.341%
327	20.374	20.368	20.394	VV	51770	801599	13.01%	0.385%
328	20.431	20.394	20.448	VV	53131	1631791	26.49%	0.784%
329	20.476	20.448	20.487	VV	53492	1214433	19.72%	0.584%

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330	20.510	20.487	20.525	VV	54660	1230290	19.97%	0.591%
331	20.569	20.525	20.594	VV	53376	2156468	35.01%	1.036%
332	20.615	20.594	20.648	VV	55610	1701808	27.63%	0.818%
333	20.658	20.648	20.681	VV	51484	1008552	16.37%	0.485%
334	20.702	20.681	20.757	VV	51611	2228722	36.18%	1.071%
335	20.791	20.757	20.824	VV	52521	1979045	32.13%	0.951%
336	20.834	20.824	20.864	VV	48206	1132619	18.39%	0.544%
337	20.875	20.864	20.965	VV	48743	2783431	45.19%	1.338%
338	20.983	20.965	21.110	VV	43740	3351056	54.40%	1.610%
339	21.131	21.110	21.188	VV	36191	1612882	26.19%	0.775%
340	21.198	21.188	21.223	VV	34300	716015	11.62%	0.344%
341	21.245	21.223	21.290	VV	33439	1294127	21.01%	0.622%
342	21.316	21.290	21.374	VV	32250	1507244	24.47%	0.724%
343	21.384	21.374	21.488	VV	28448	1712891	27.81%	0.823%
344	21.497	21.488	21.521	VV	22599	442686	7.19%	0.213%
345	21.532	21.521	21.661	VV	21849	1581504	25.68%	0.760%
346	21.667	21.661	21.711	VV	16465	468357	7.60%	0.225%
347	21.724	21.711	21.748	VV	15530	335032	5.44%	0.161%
348	21.767	21.748	21.779	VV	14514	253439	4.11%	0.122%
349	21.798	21.779	21.821	VV	14468	350941	5.70%	0.169%
350	21.868	21.821	21.921	VV	14359	791259	12.85%	0.380%
351	21.948	21.921	21.974	VV	11934	365102	5.93%	0.175%
352	21.990	21.974	22.054	VV	10924	443411	7.20%	0.213%
353	22.067	22.054	22.121	VV	7975	282247	4.58%	0.136%
354	22.130	22.121	22.178	VV	6718	195566	3.18%	0.094%
355	22.190	22.178	22.218	VV	5062	107654	1.75%	0.052%
356	22.249	22.218	22.271	VV	5249	146444	2.38%	0.070%
357	22.282	22.271	22.289	VV	4903	47714	0.77%	0.023%
358	22.297	22.289	22.323	VV	4316	84425	1.37%	0.041%
359	22.383	22.323	22.421	VV	4832	235972	3.83%	0.113%
360	22.430	22.421	22.465	VV	2591	49104	0.80%	0.024%
361	22.485	22.465	22.542	VV	2688	63751	1.03%	0.031%

Sum of corrected areas: 208096321

Aliphatic EPH 080125.M Wed Aug 13 06:37:43 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

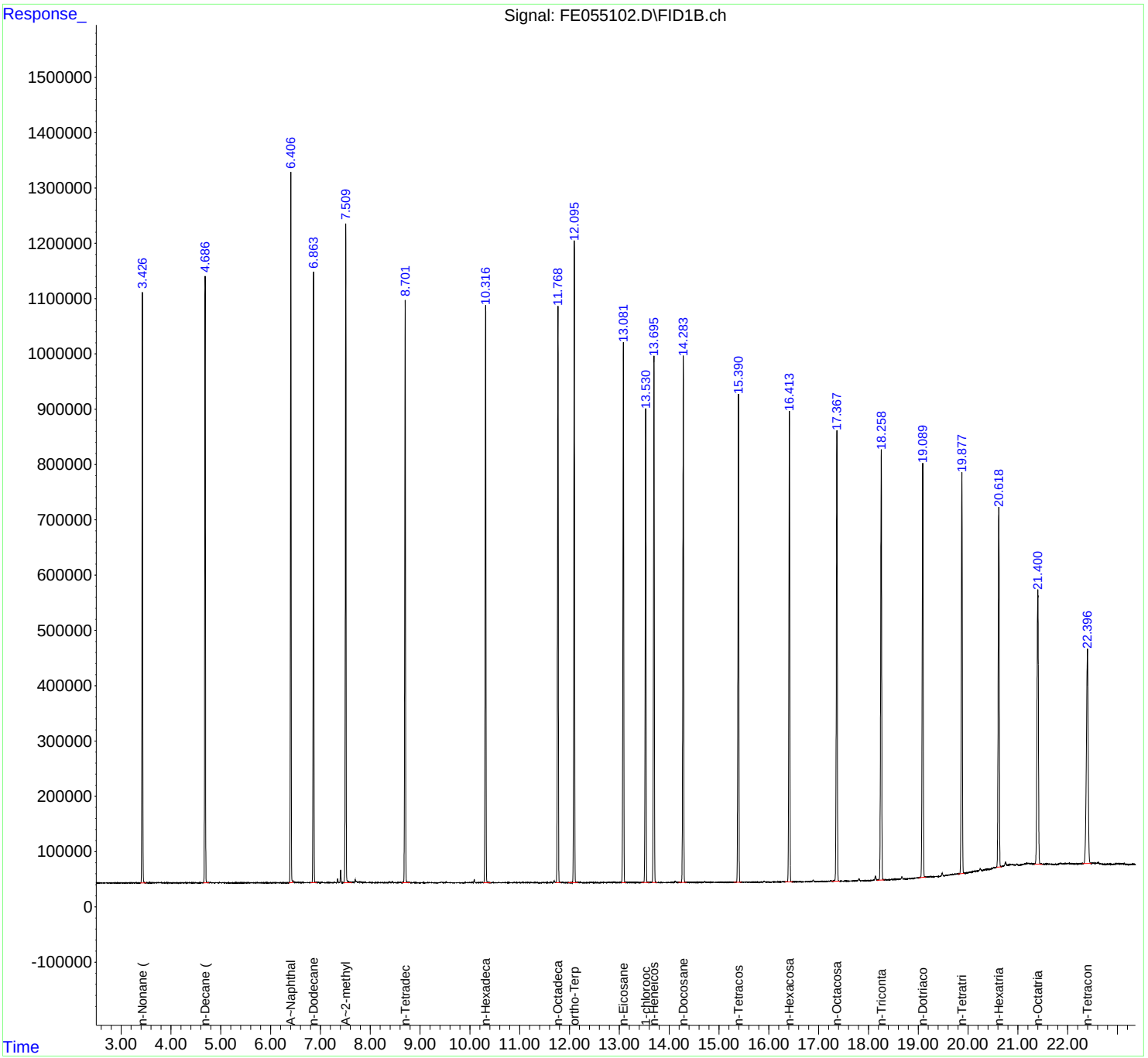
(f)=RT Delta > 1/2 Window (m)=manual int.

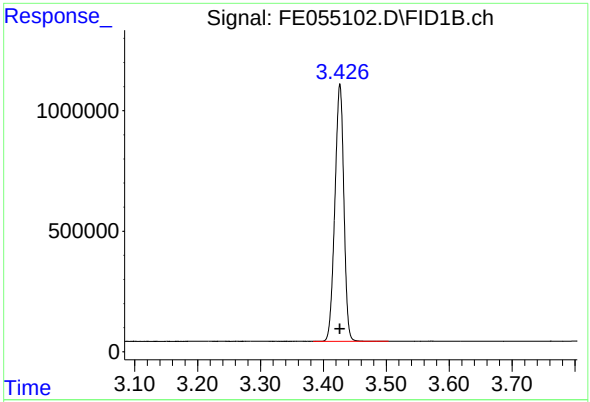
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055102.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:24
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

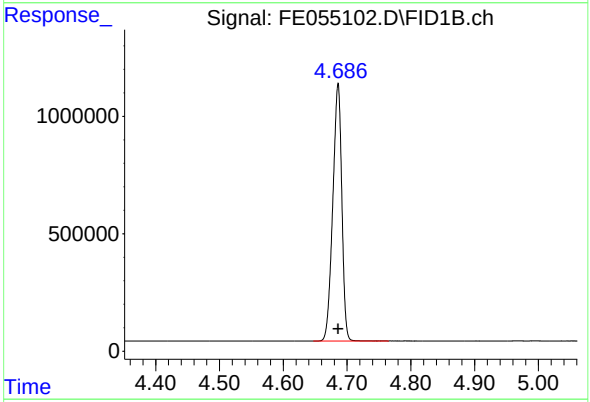




#1 n-Nonane (C9)

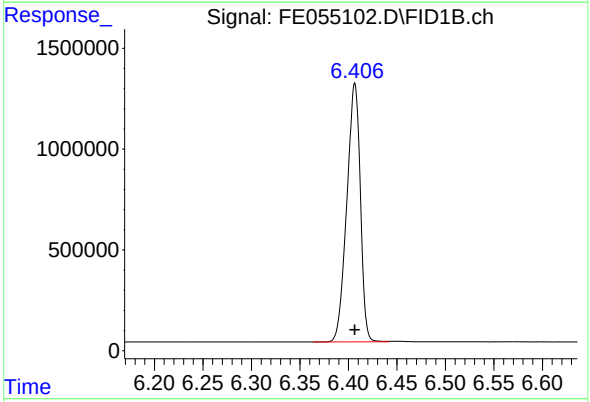
R.T.: 3.426 min
Delta R.T.: 0.000 min
Response: 10566449
Conc: 95.91 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



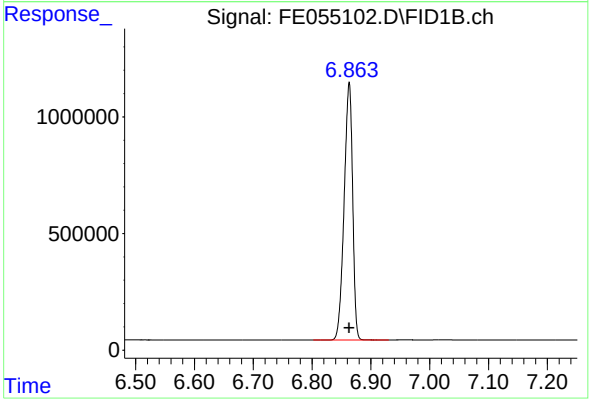
#2 n-Decane (C10)

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



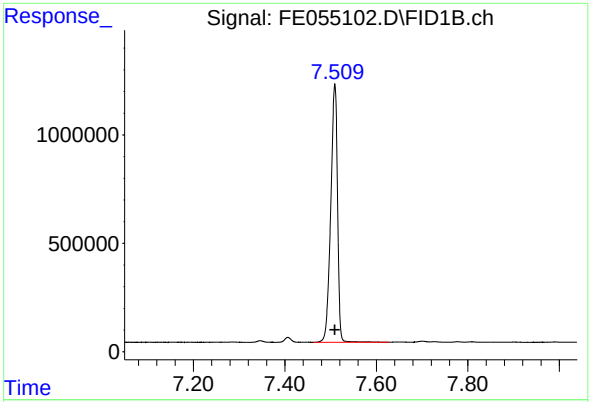
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

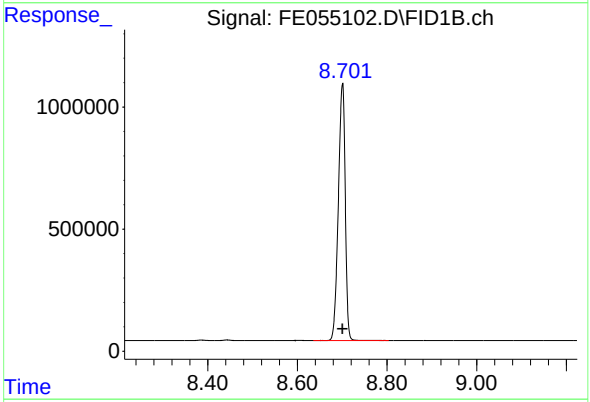
R.T.: 6.863 min
Delta R.T.: 0.000 min
Response: 11056736
Conc: 96.33 ug/ml



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

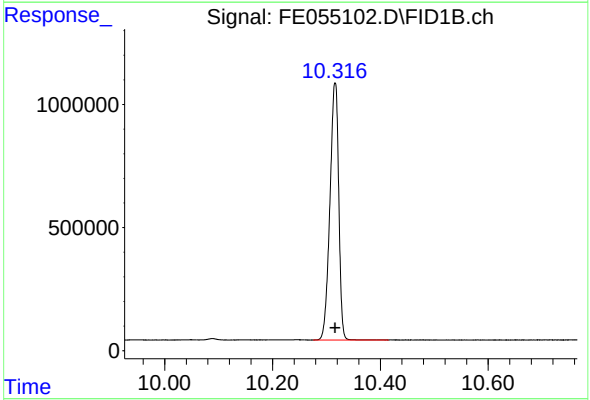
R.T.: 7.509 min
Delta R.T.: 0.000 min
Response: 12240152
Conc: 96.72 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



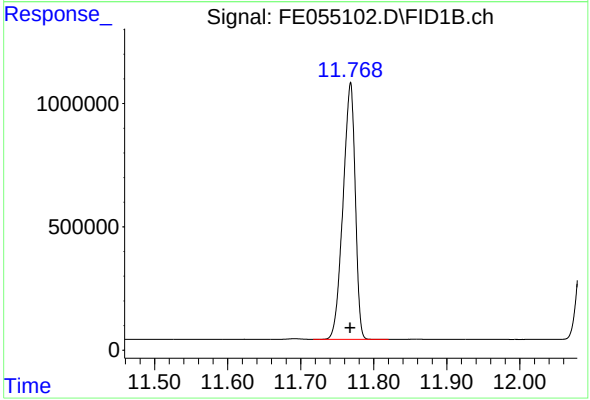
#6 n-Tetradecane (C14)

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



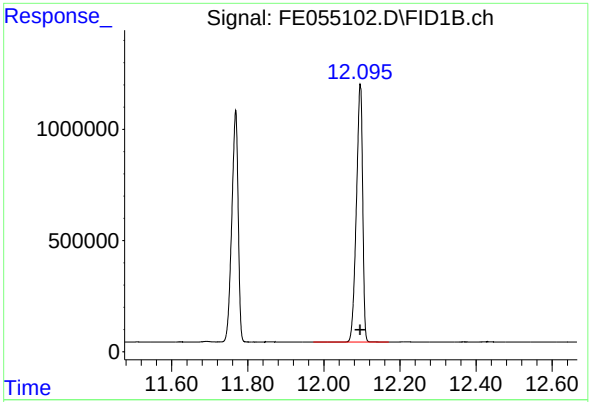
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

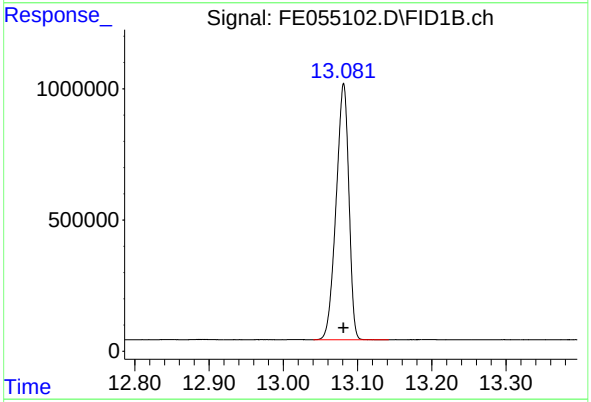
R.T.: 11.768 min
Delta R.T.: 0.000 min
Response: 12080672
Conc: 96.28 ug/ml



#9 ortho-Terphenyl (SURR)

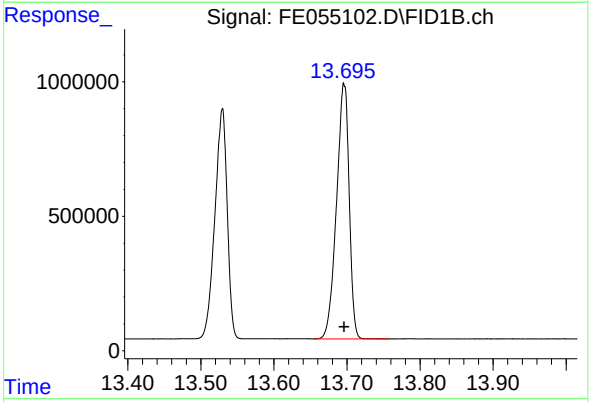
R.T.: 12.095 min
Delta R.T.: 0.000 min
Response: 13258959
Conc: 96.44 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



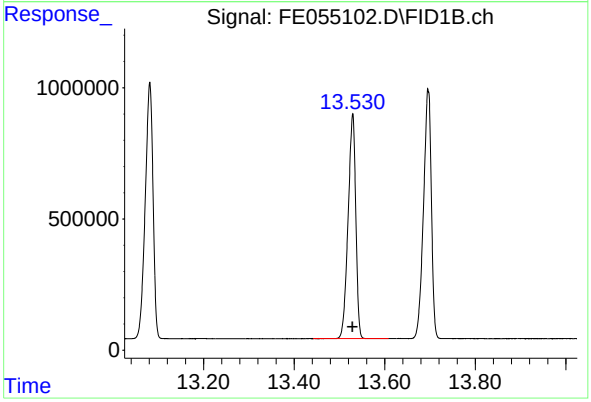
#10 n-Eicosane (C20)

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



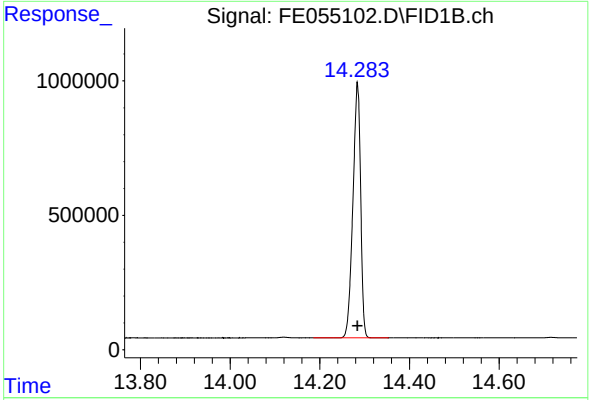
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

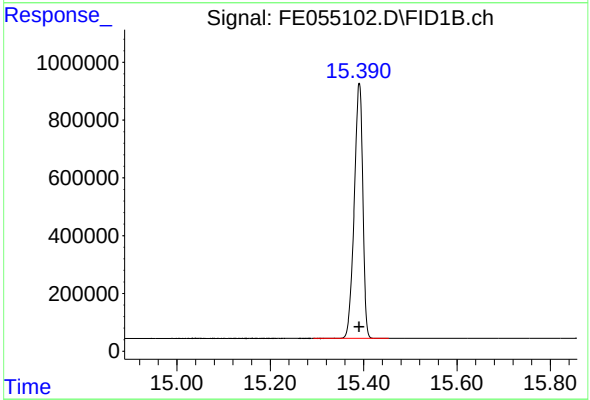
R.T.: 13.529 min
Delta R.T.: 0.000 min
Response: 10060078
Conc: 96.78 ug/ml



#13 n-Docosane (C22)

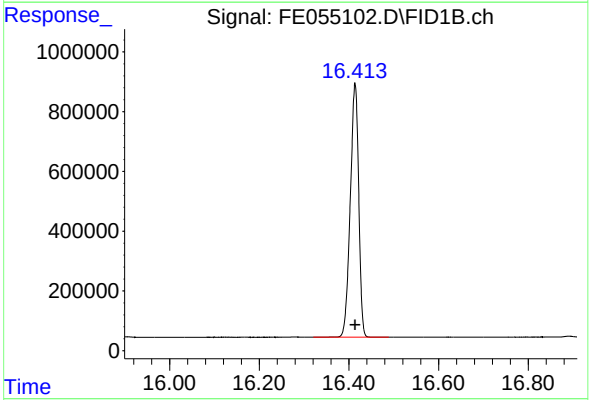
R.T.: 14.284 min
Delta R.T.: 0.000 min
Response: 11344173
Conc: 96.44 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



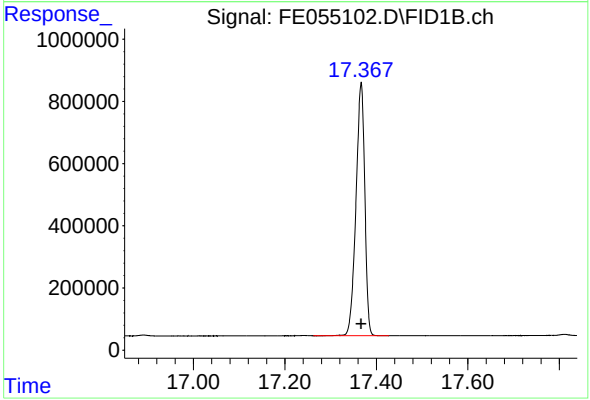
#14 n-Tetracosane (C24)

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



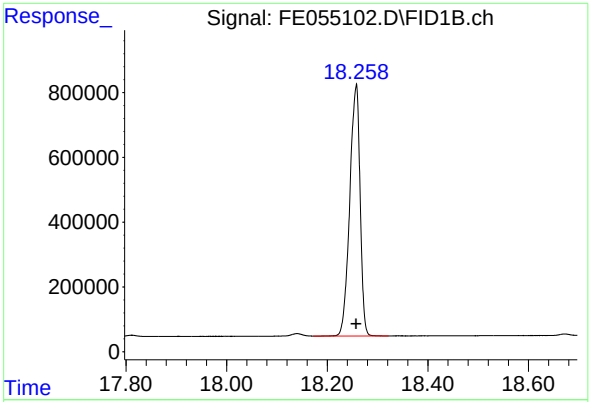
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

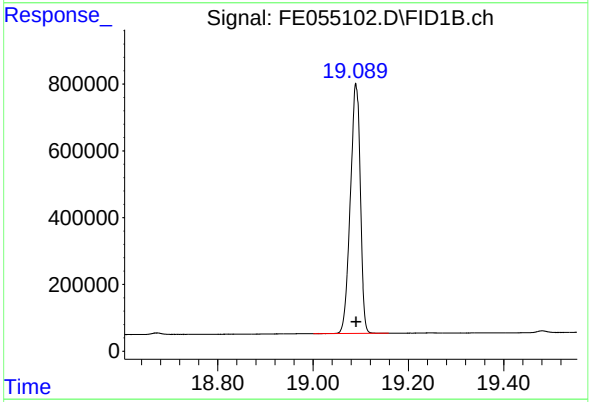
R.T.: 17.367 min
Delta R.T.: 0.000 min
Response: 10883206
Conc: 96.07 ug/ml



#17 n-Tricontane (C30)

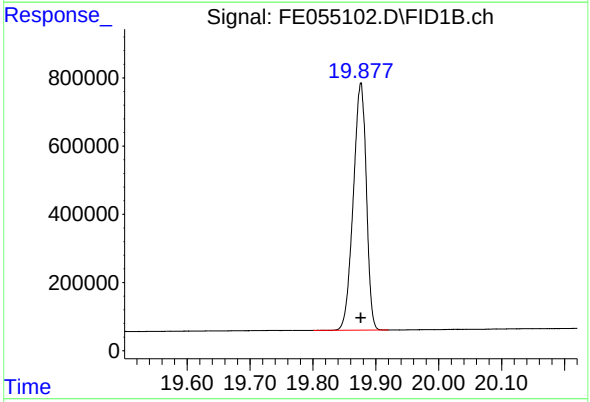
R.T.: 18.257 min
Delta R.T.: 0.000 min
Response: 11064265
Conc: 95.65 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



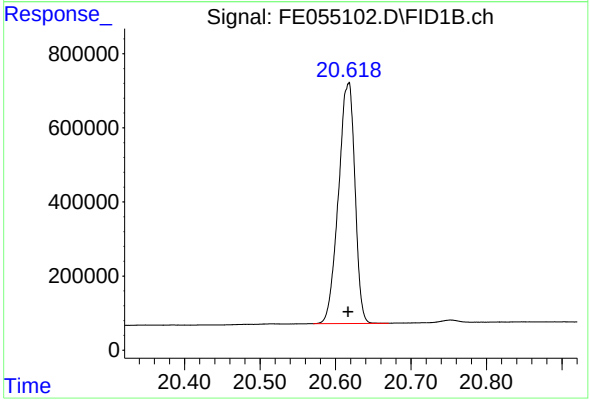
#18 n-Dotriacontane (C32)

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



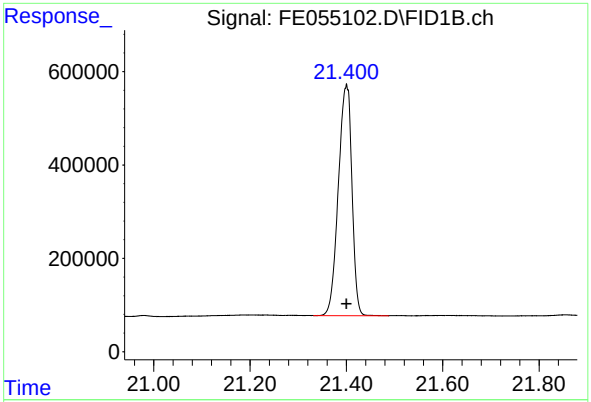
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

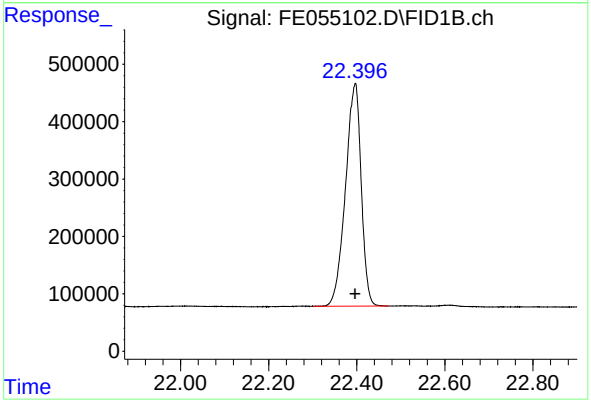
R.T.: 20.616 min
Delta R.T.: 0.000 min
Response: 9856874
Conc: 96.59 ug/ml



#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

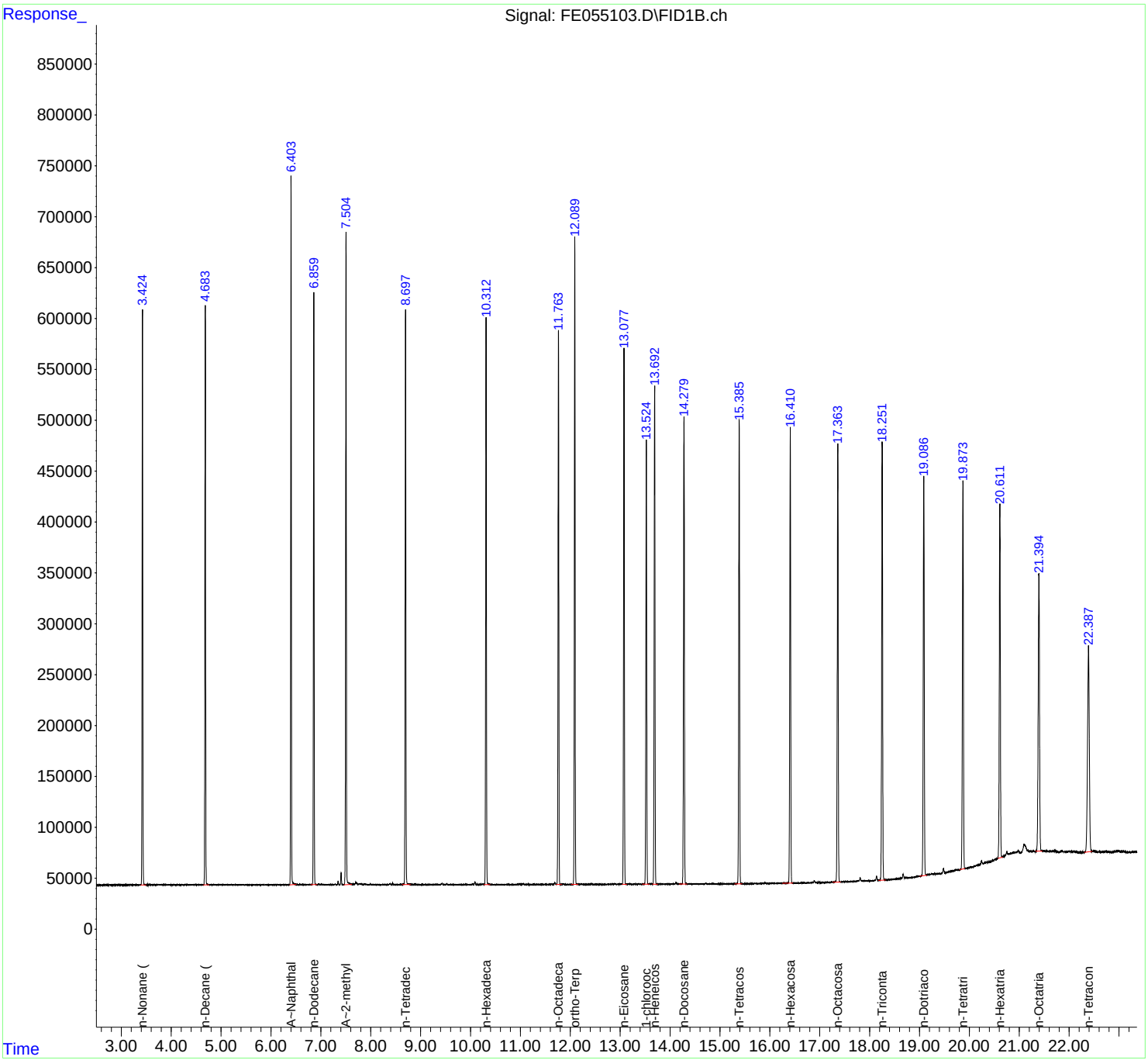
(f)=RT Delta > 1/2 Window (m)=manual int.

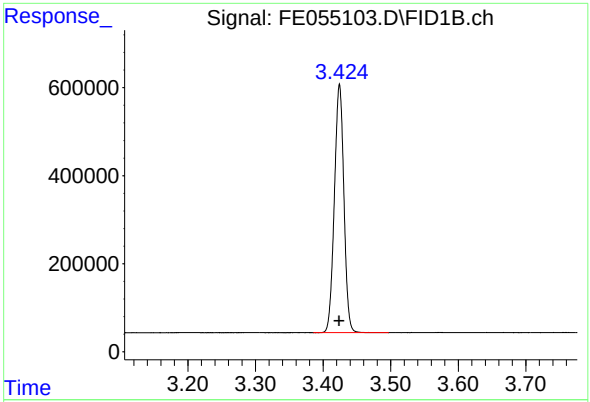
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055103.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:54
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

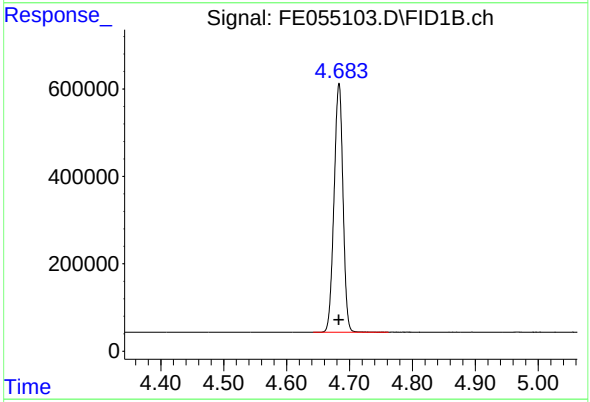




#1 n-Nonane (C9)

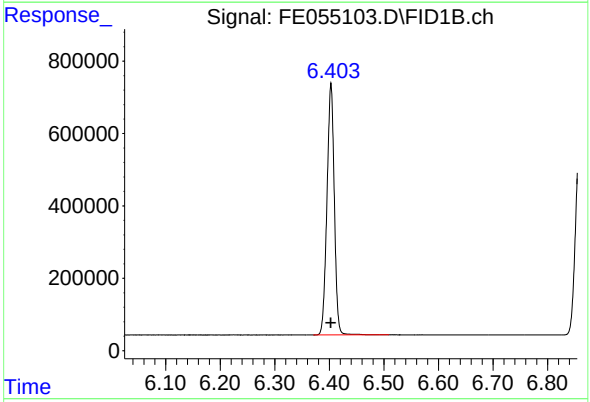
R.T.: 3.424 min
Delta R.T.: 0.000 min
Response: 5514791
Conc: 50.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



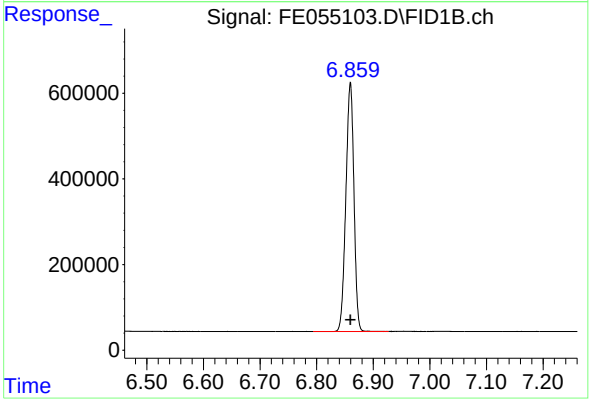
#2 n-Decane (C10)

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



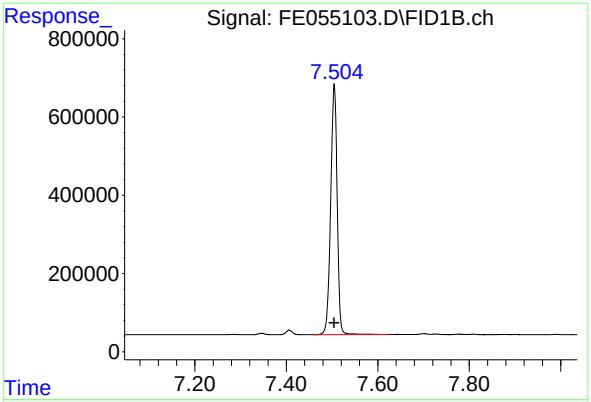
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

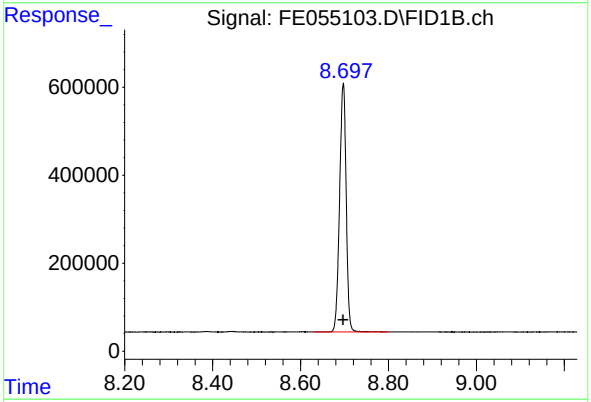
R.T.: 6.859 min
Delta R.T.: 0.000 min
Response: 5753858
Conc: 50.09 ug/ml



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

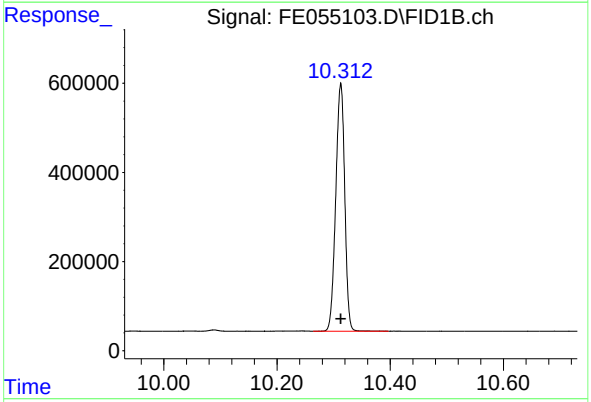
R.T.: 7.505 min
Delta R.T.: 0.000 min
Response: 6326213
Conc: 49.99 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



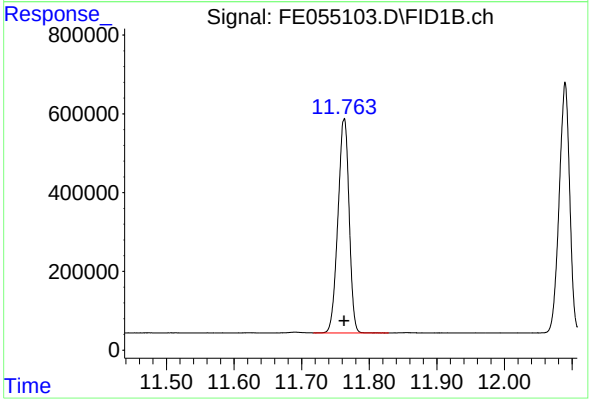
#6 n-Tetradecane (C14)

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



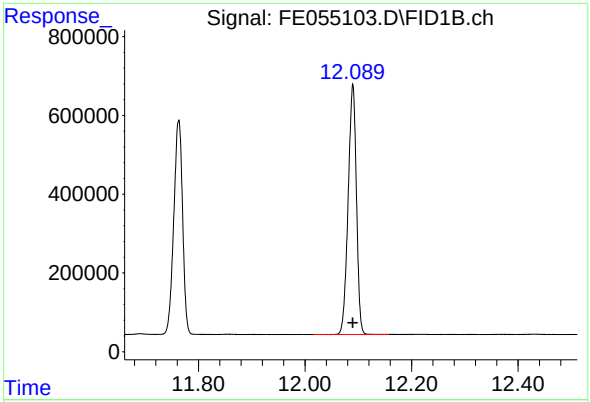
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

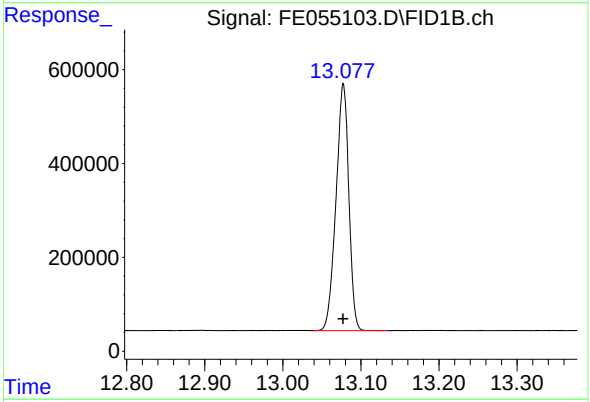
R.T.: 11.763 min
Delta R.T.: 0.000 min
Response: 6239947
Conc: 49.82 ug/ml



#9 ortho-Terphenyl (SURR)

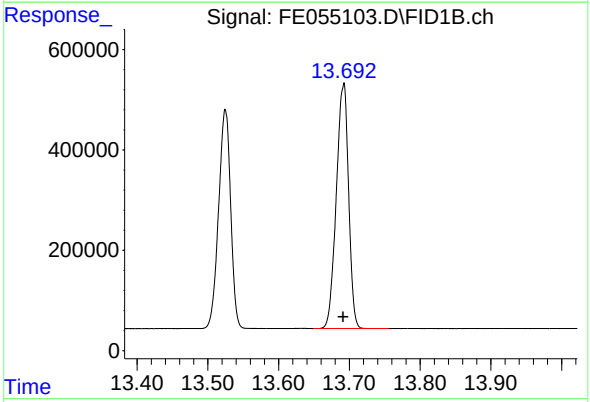
R.T.: 12.090 min
Delta R.T.: 0.000 min
Response: 6842277
Conc: 49.84 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



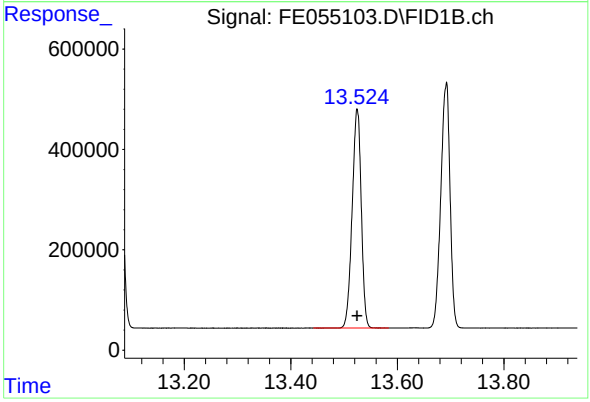
#10 n-Eicosane (C20)

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



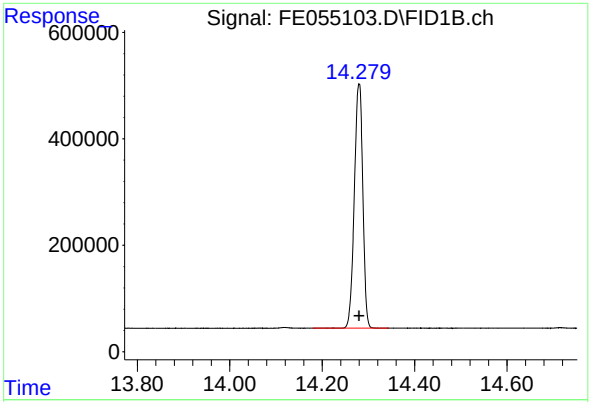
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

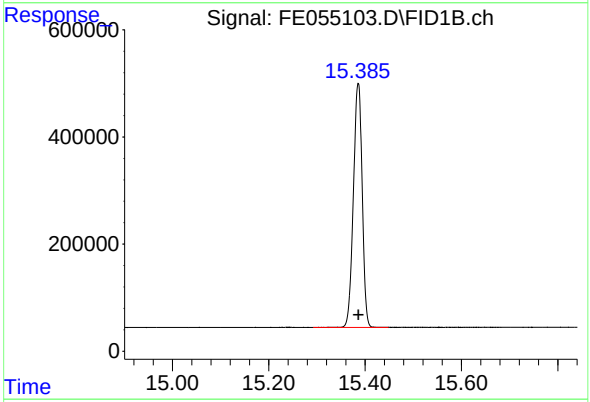
R.T.: 13.525 min
Delta R.T.: 0.000 min
Response: 5171408
Conc: 49.83 ug/ml



#13 n-Docosane (C22)

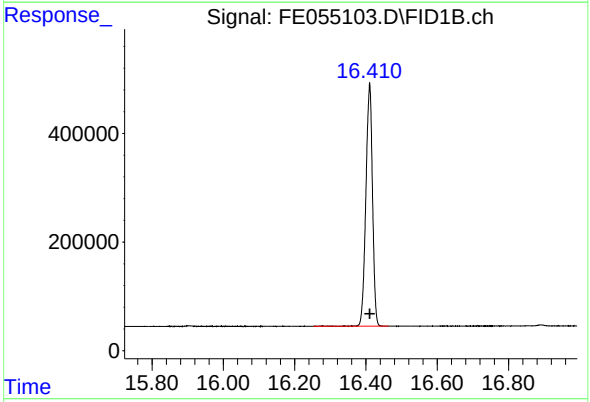
R.T.: 14.280 min
Delta R.T.: 0.000 min
Response: 5850962
Conc: 49.83 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



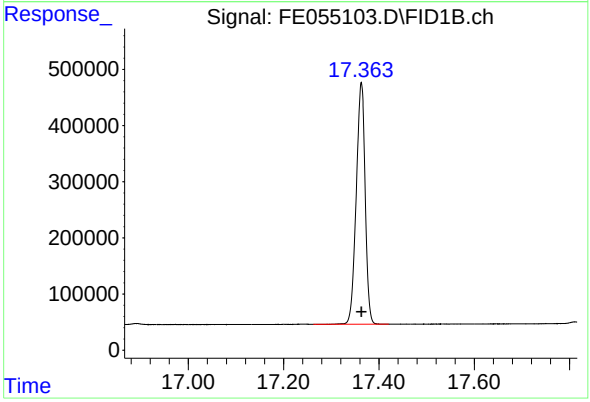
#14 n-Tetracosane (C24)

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



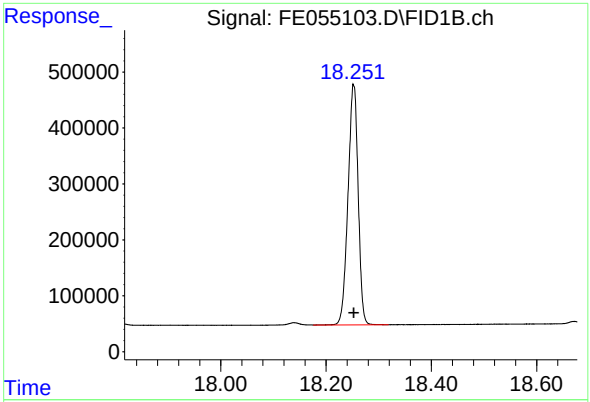
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

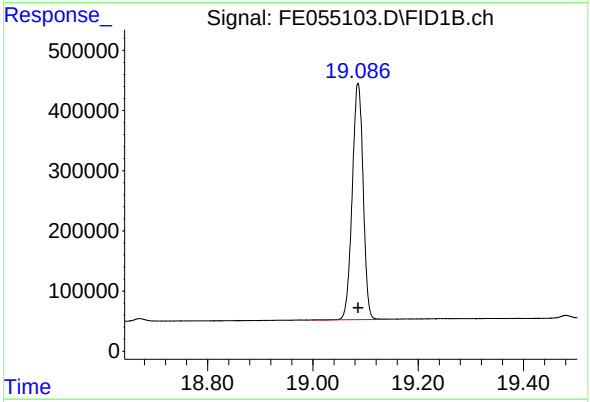
R.T.: 17.363 min
Delta R.T.: 0.000 min
Response: 5634944
Conc: 49.83 ug/ml



#17 n-Tricontane (C30)

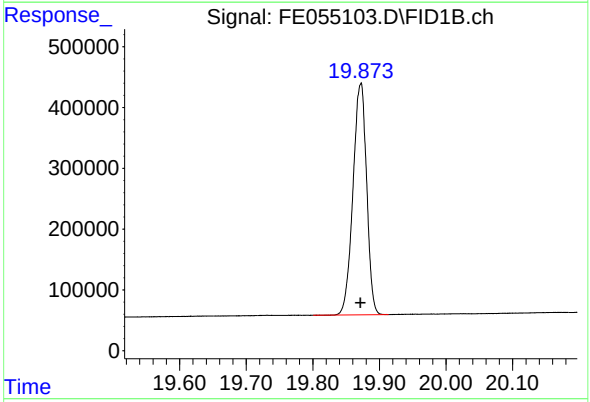
R.T.: 18.252 min
Delta R.T.: 0.000 min
Response: 5744409
Conc: 49.77 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



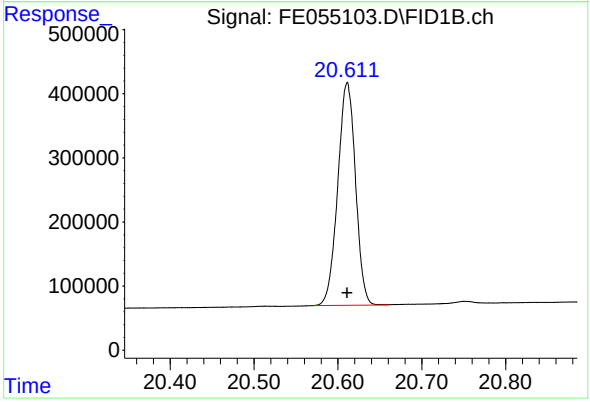
#18 n-Dotriacontane (C32)

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



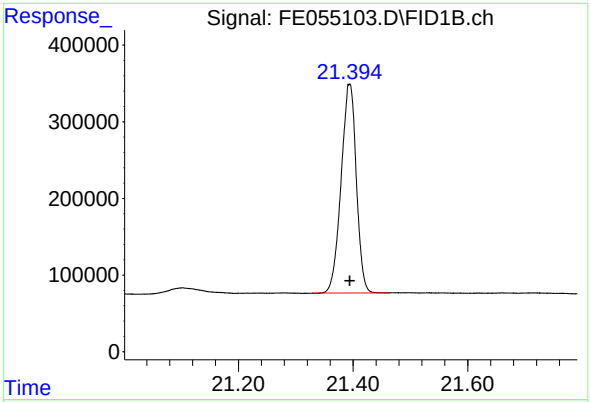
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

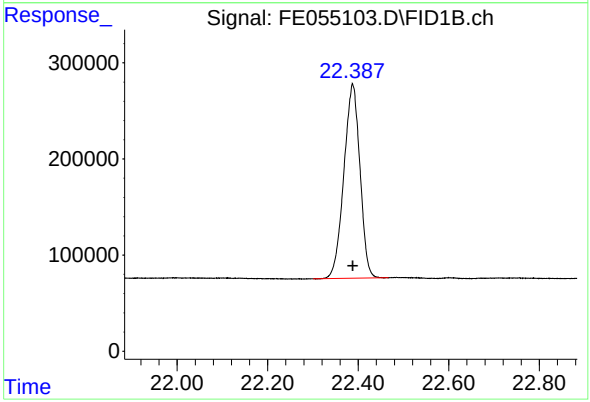
R.T.: 20.611 min
Delta R.T.: 0.000 min
Response: 5110739
Conc: 50.05 ug/ml



#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.

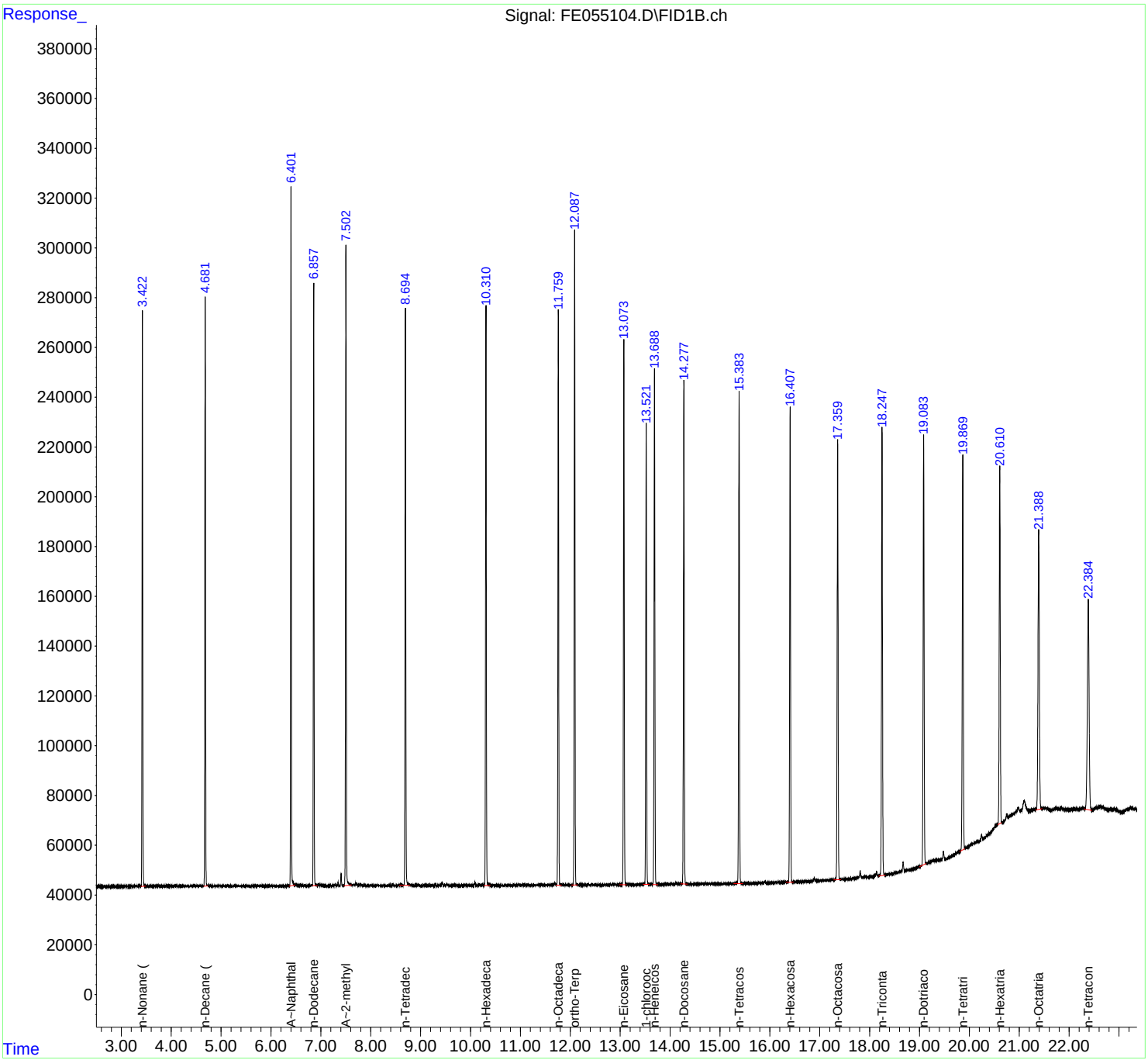
Quantitation Report (QT Reviewed)

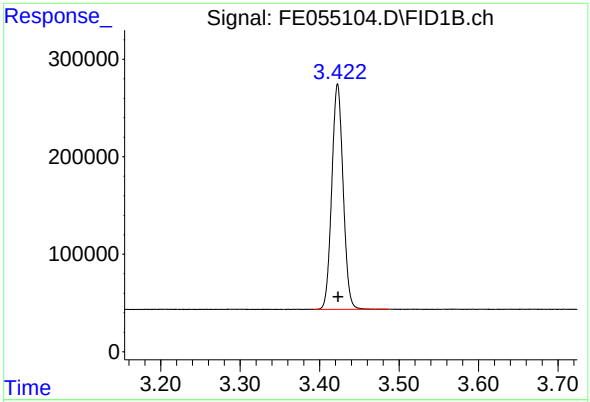
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055104.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:25
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

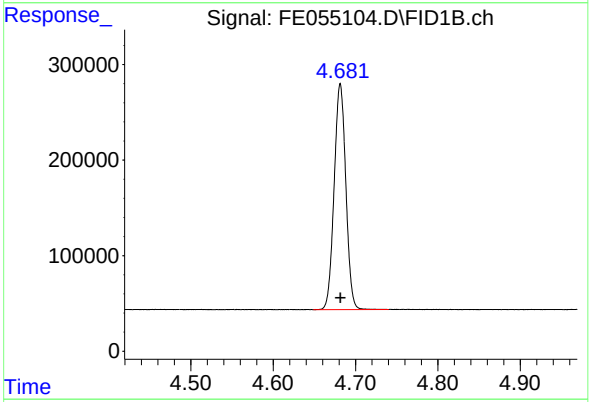




#1 n-Nonane (C9)

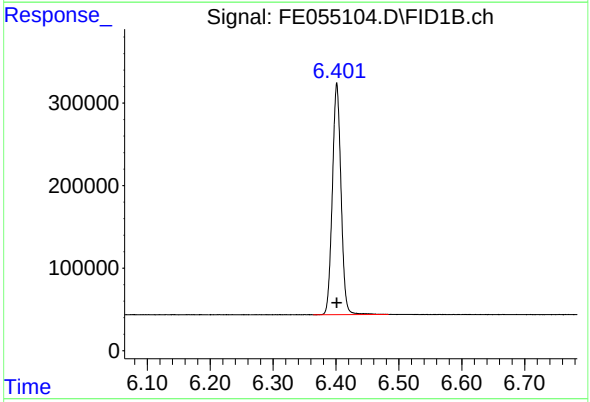
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 2293663
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



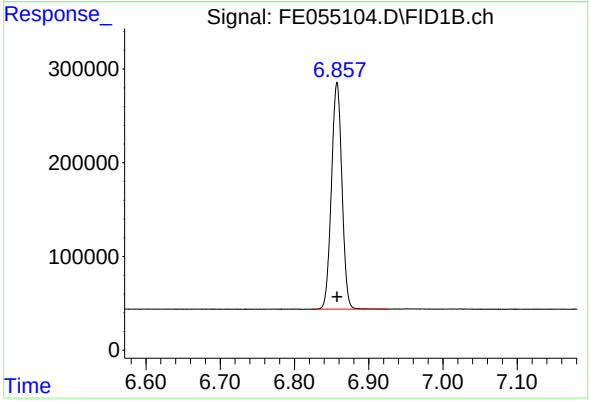
#2 n-Decane (C10)

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



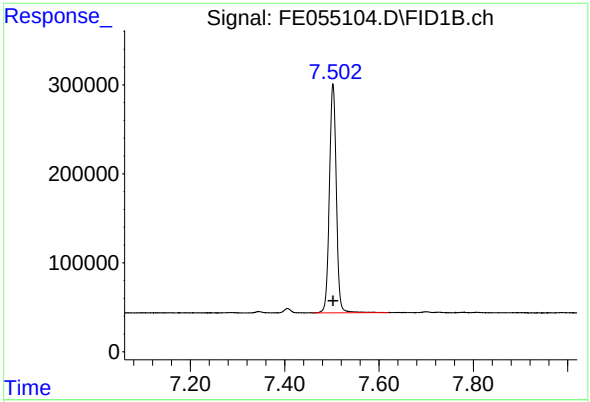
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

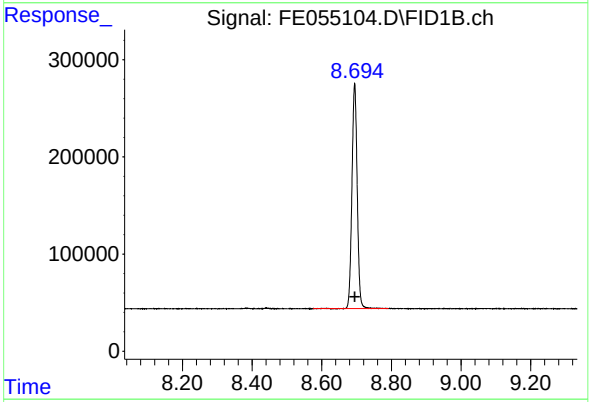
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 2379703
Conc: 20.00 ug/ml



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

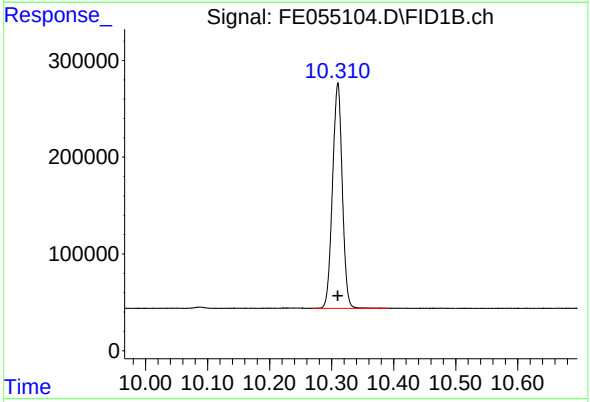
R.T.: 7.502 min
Delta R.T.: 0.000 min
Response: 2614202
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



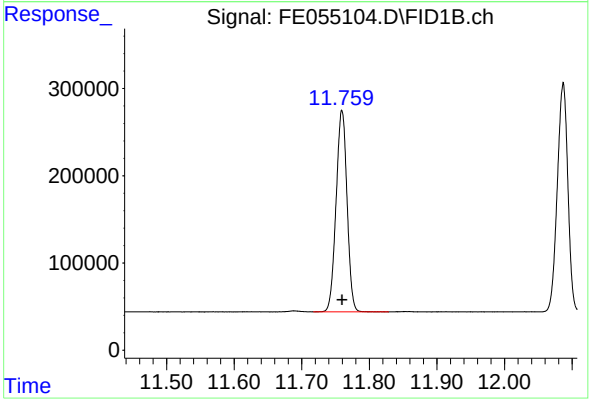
#6 n-Tetradecane (C14)

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



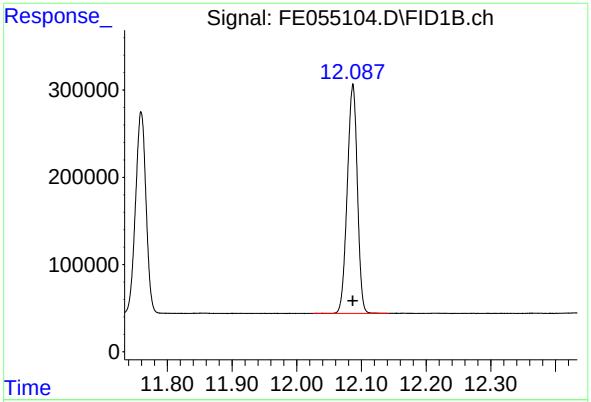
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

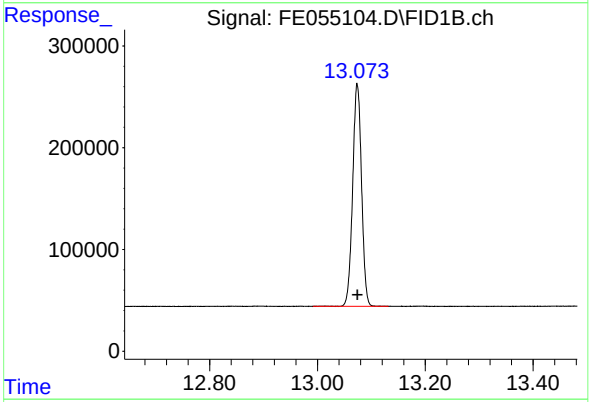
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 2603047
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

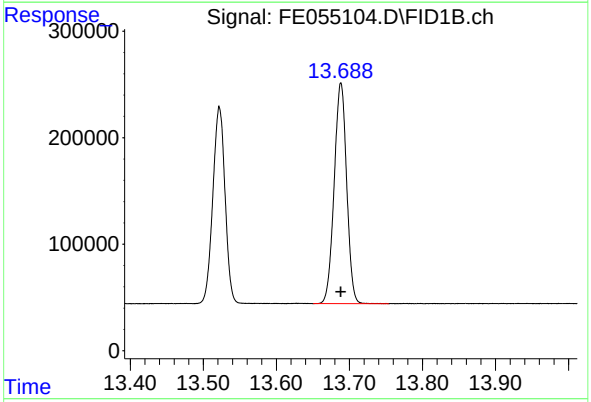
R.T.: 12.087 min
Delta R.T.: 0.000 min
Response: 2847777
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



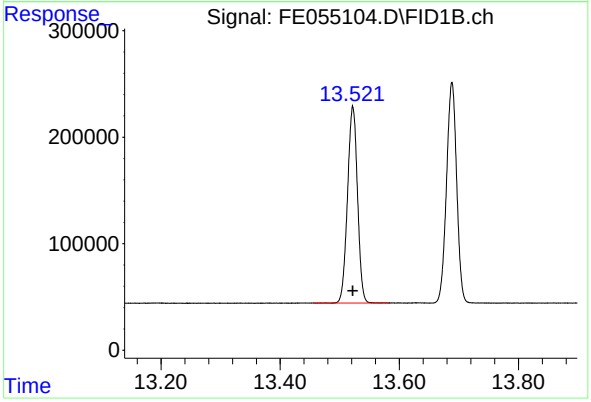
#10 n-Eicosane (C20)

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



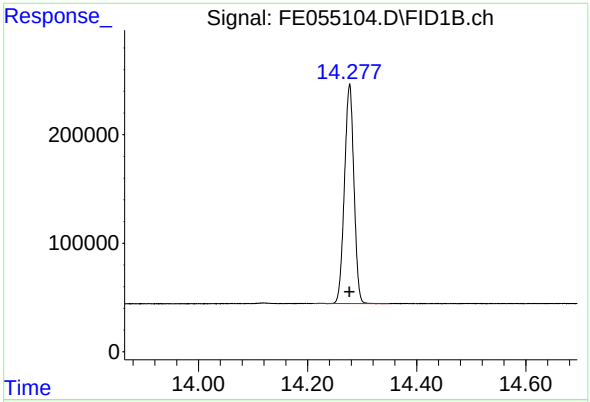
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

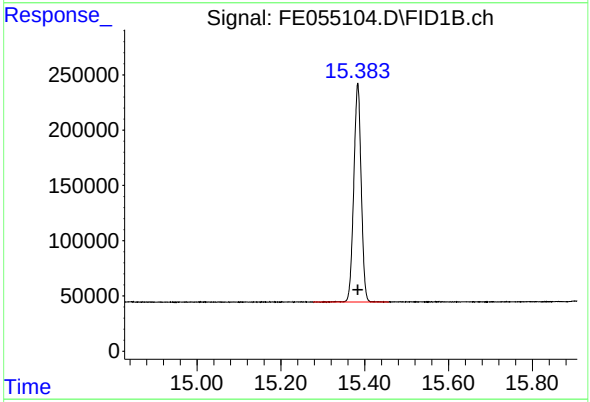
R.T.: 13.522 min
Delta R.T.: 0.000 min
Response: 2145943
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

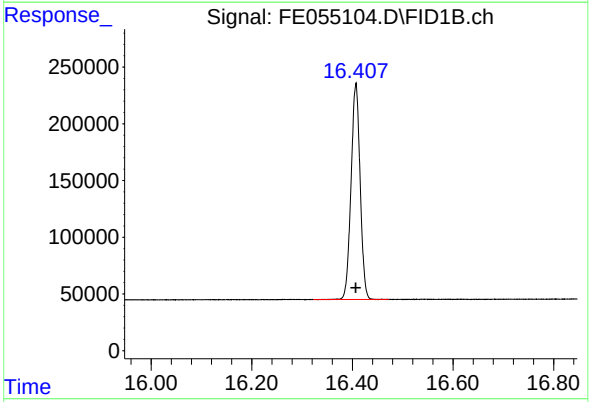
R.T.: 14.277 min
Delta R.T.: 0.000 min
Response: 2436487
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



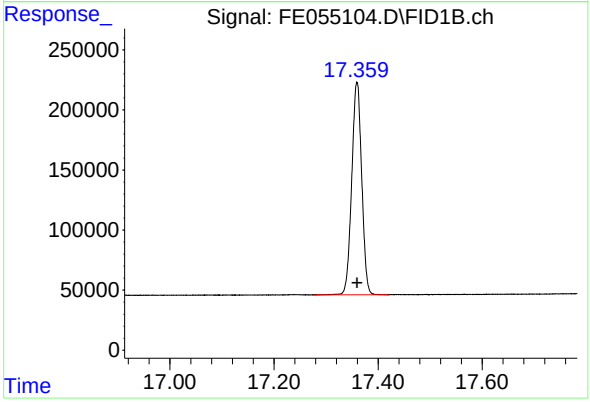
#14 n-Tetracosane (C24)

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



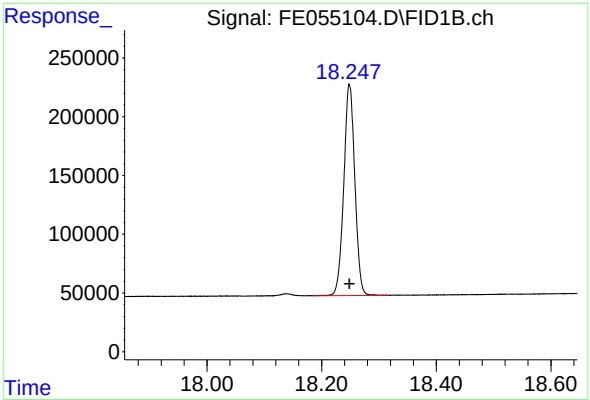
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

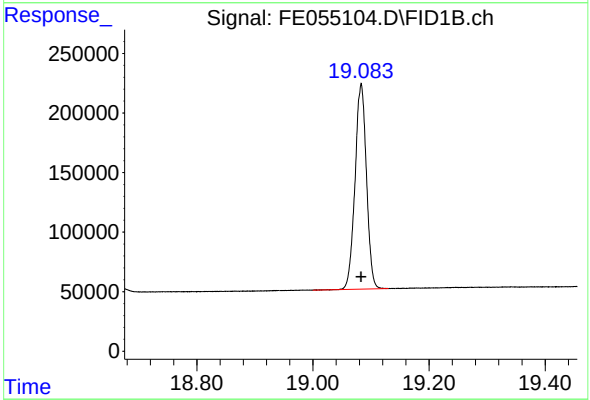
R.T.: 17.359 min
Delta R.T.: 0.000 min
Response: 2354861
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

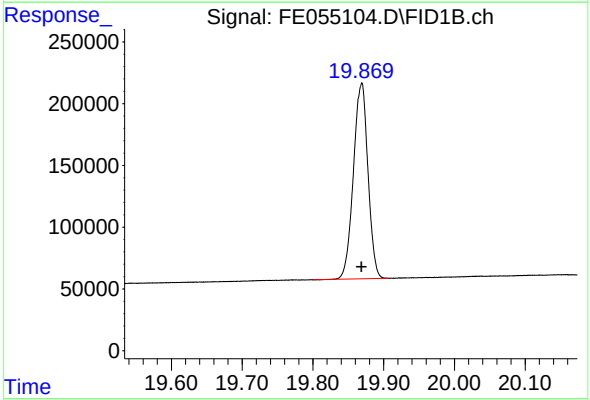
R.T.: 18.249 min
Delta R.T.: 0.000 min
Response: 2413903
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



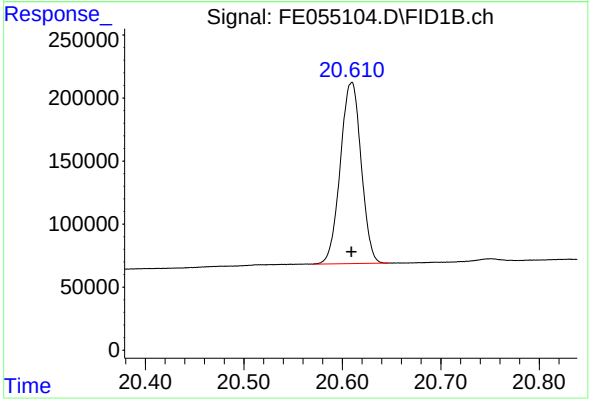
#18 n-Dotriacontane (C32)

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



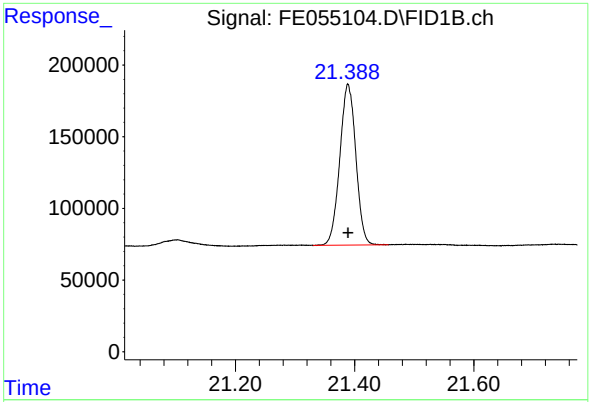
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

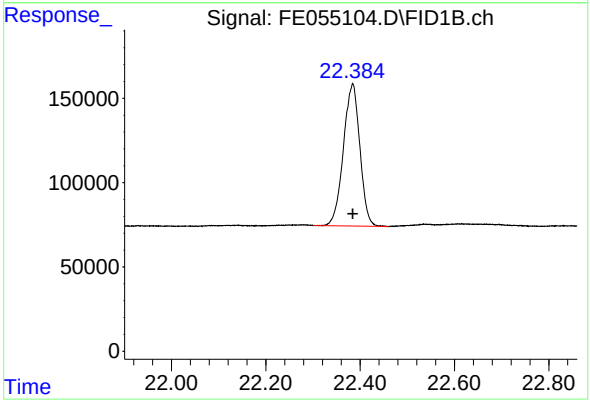
R.T.: 20.609 min
Delta R.T.: 0.000 min
Response: 2110743
Conc: 20.00 ug/ml



#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.

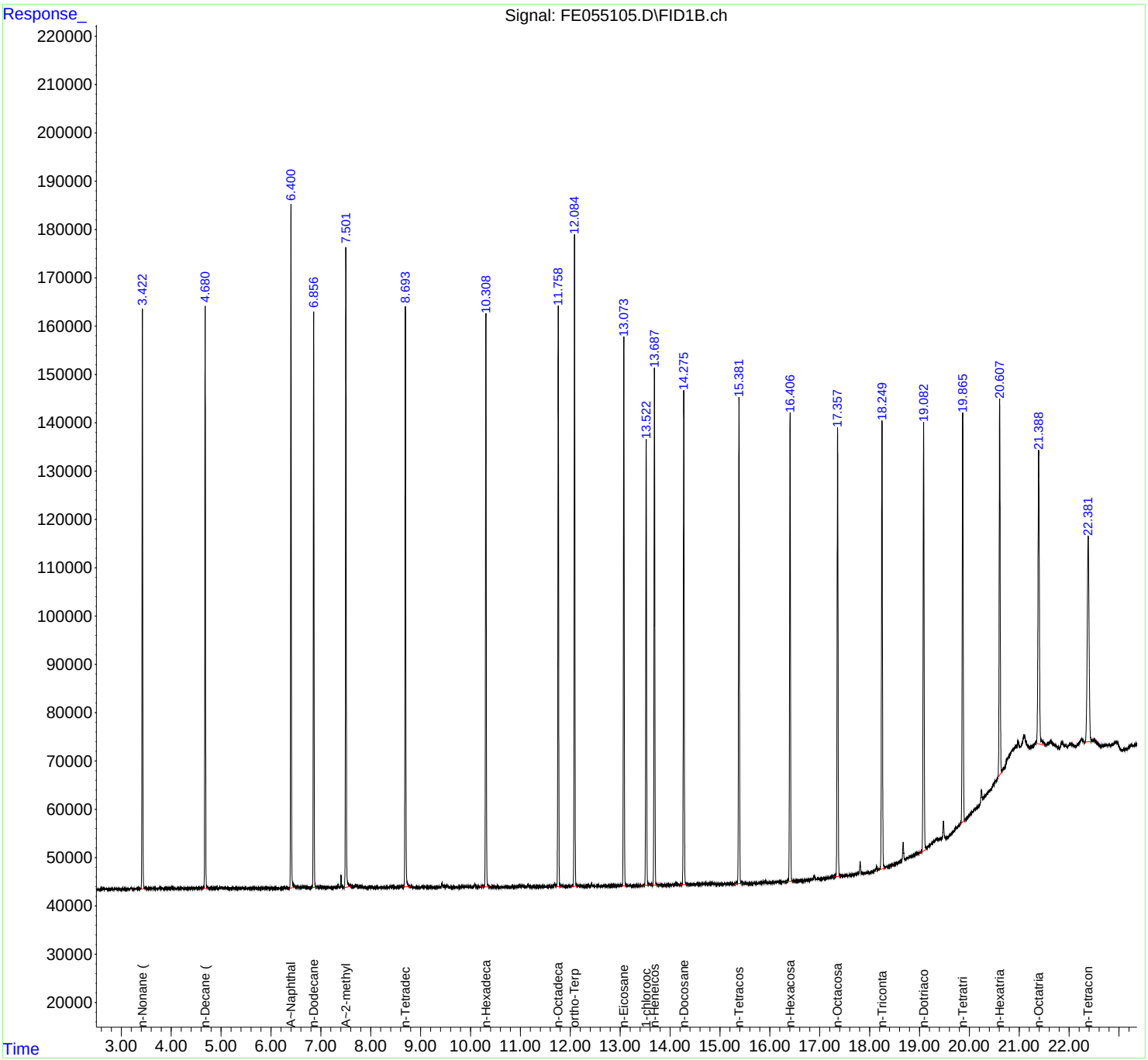
Quantitation Report (QT Reviewed)

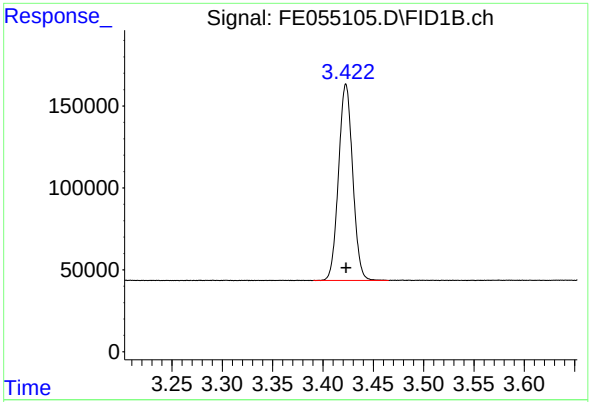
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055105.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:55
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

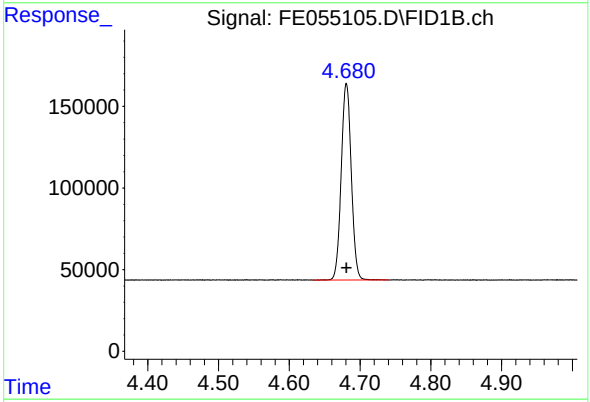




#1 n-Nonane (C9)

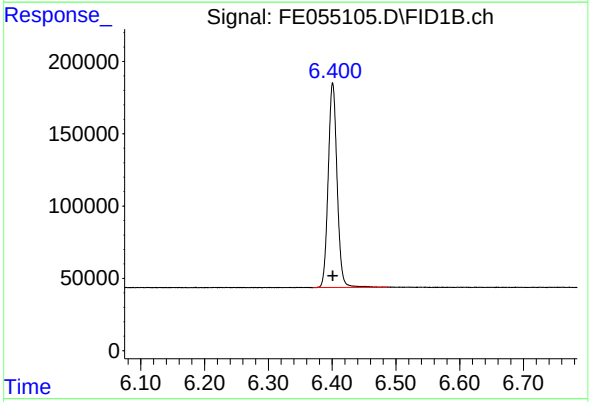
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 1173056
Conc: 10.47 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



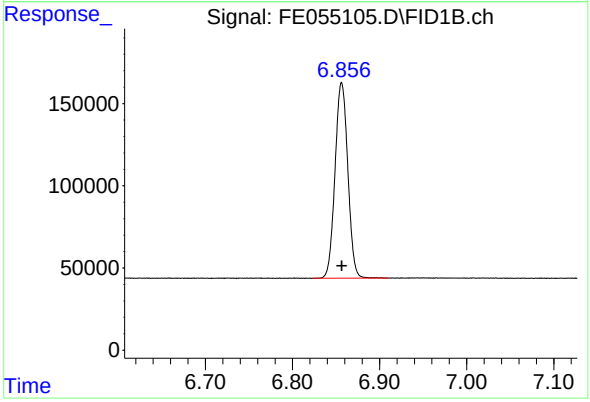
#2 n-Decane (C10)

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



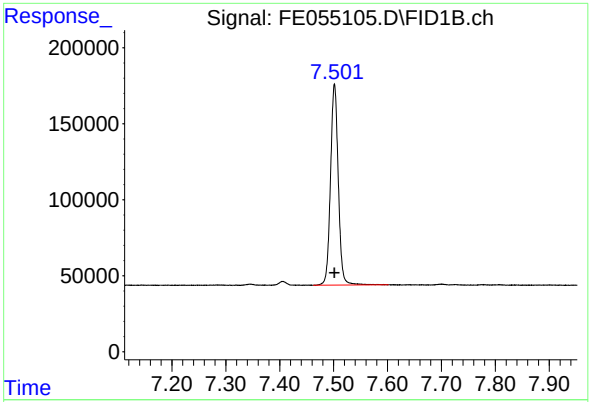
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

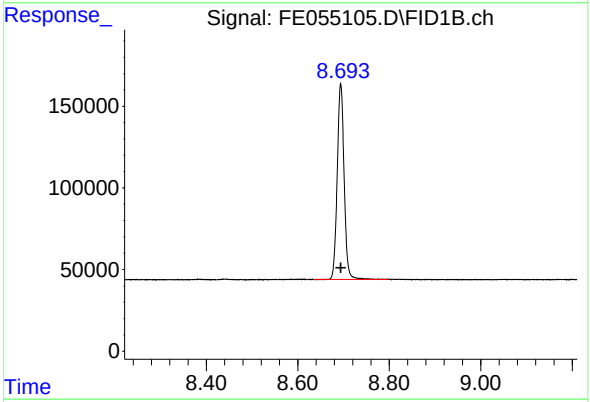
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 1212805
Conc: 10.41 ug/ml



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

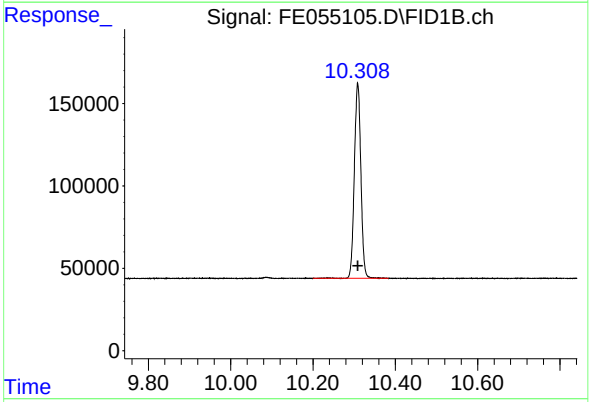
R.T.: 7.502 min
Delta R.T.: 0.000 min
Response: 1327736
Conc: 10.36 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



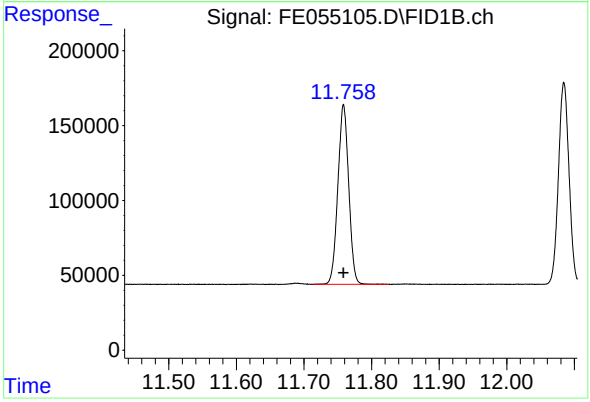
#6 n-Tetradecane (C14)

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



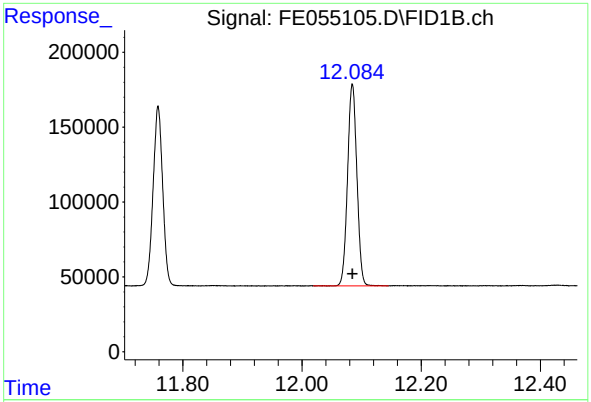
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

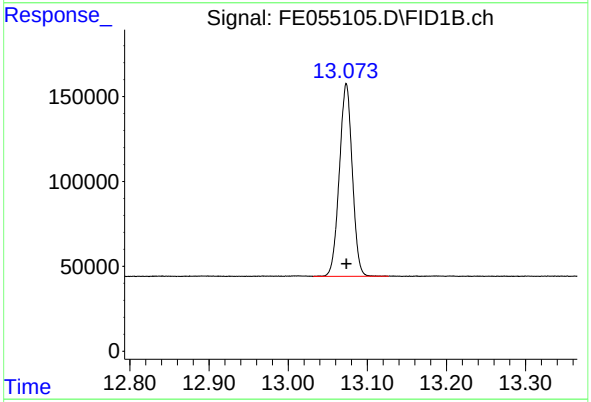
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 1339624
Conc: 10.51 ug/ml



#9 ortho-Terphenyl (SURR)

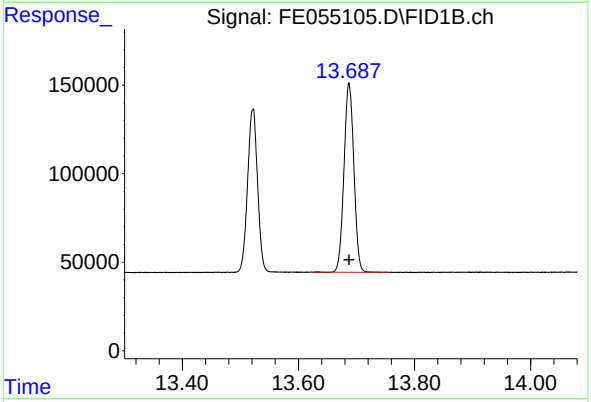
R.T.: 12.085 min
Delta R.T.: 0.000 min
Response: 1465719
Conc: 10.50 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



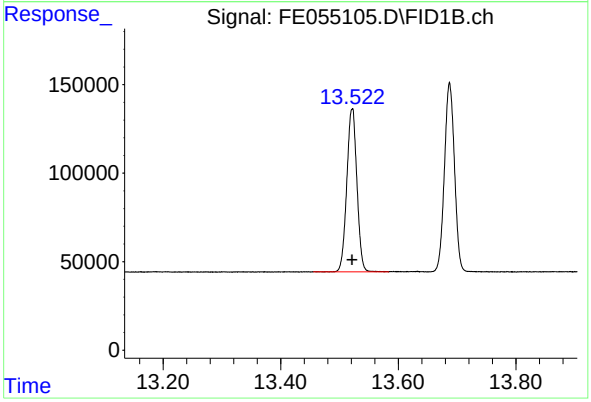
#10 n-Eicosane (C20)

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



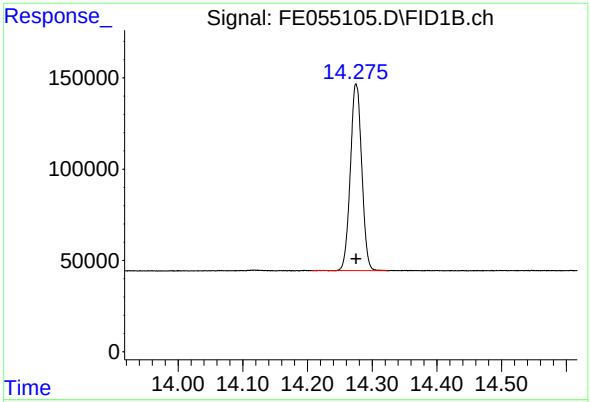
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

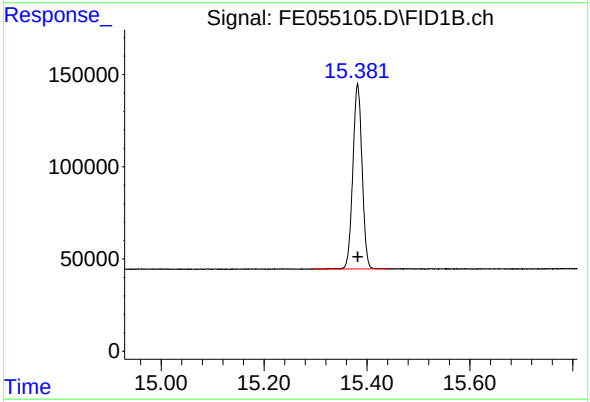
R.T.: 13.521 min
Delta R.T.: 0.000 min
Response: 1101100
Conc: 10.45 ug/ml



#13 n-Docosane (C22)

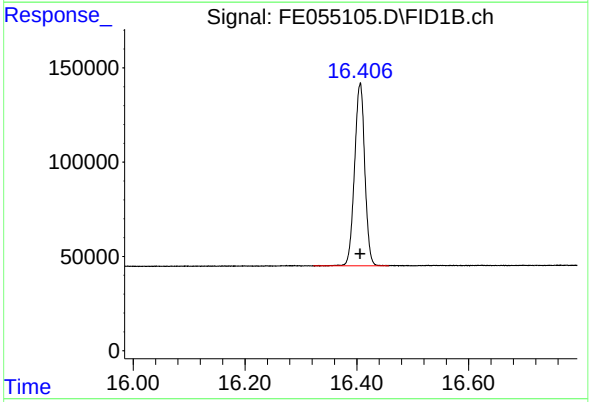
R.T.: 14.275 min
Delta R.T.: 0.000 min
Response: 1252588
Conc: 10.49 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



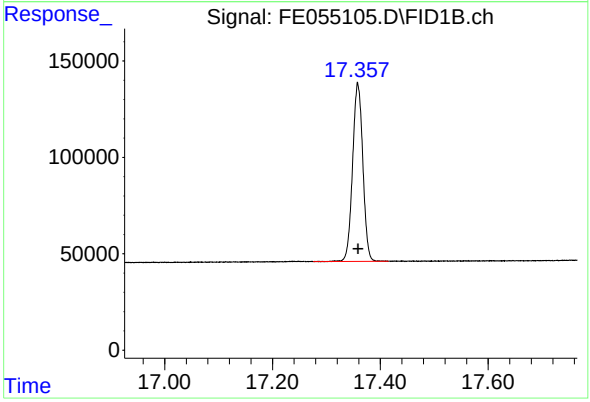
#14 n-Tetracosane (C24)

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



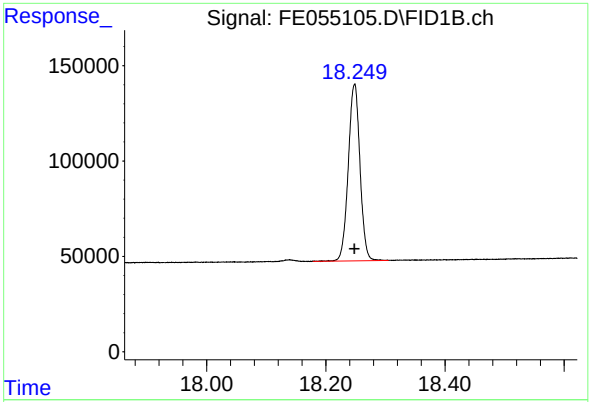
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

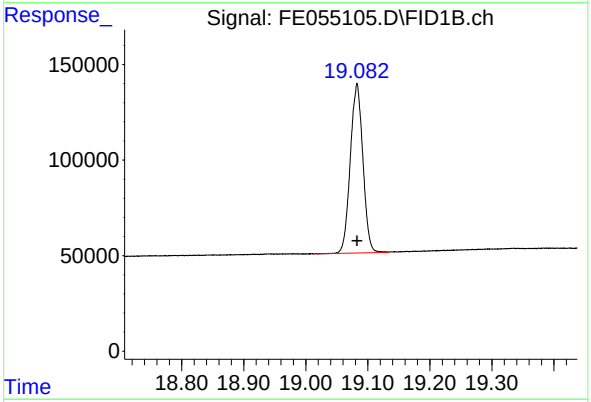
R.T.: 17.358 min
Delta R.T.: 0.000 min
Response: 1218469
Conc: 10.57 ug/ml



#17 n-Tricontane (C30)

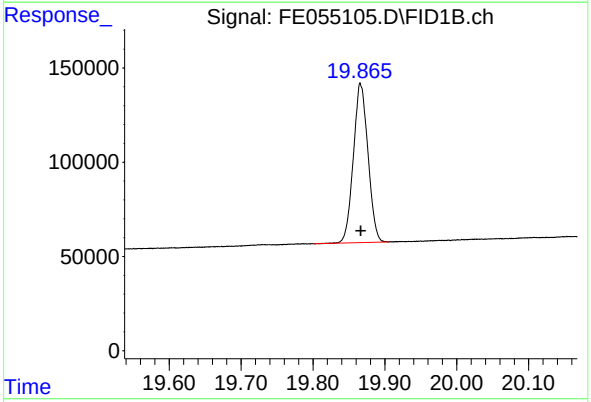
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 1265398
Conc: 10.71 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



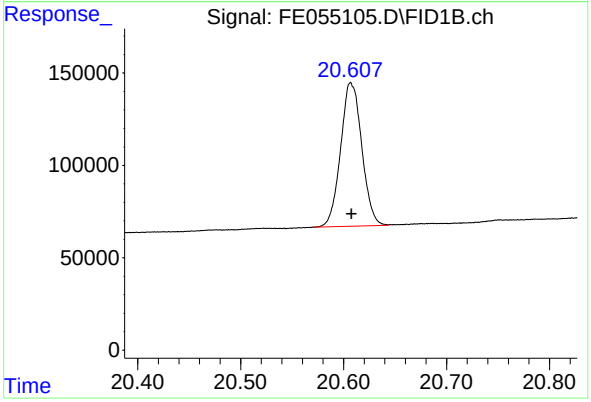
#18 n-Dotriacontane (C32)

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



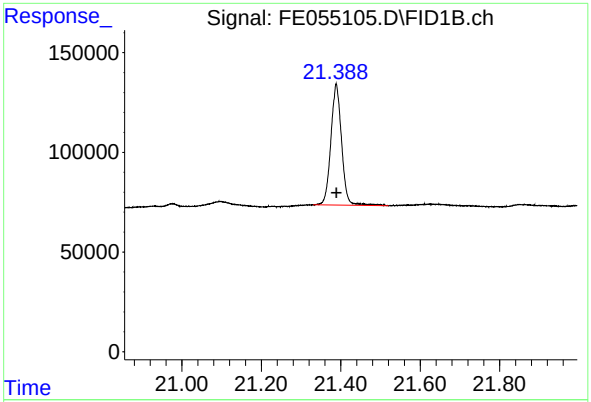
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

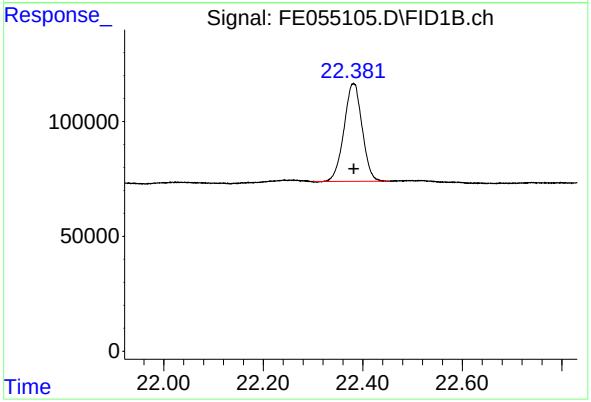
R.T.: 20.607 min
Delta R.T.: 0.000 min
Response: 1108488
Conc: 10.63 ug/ml



#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

rteres

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

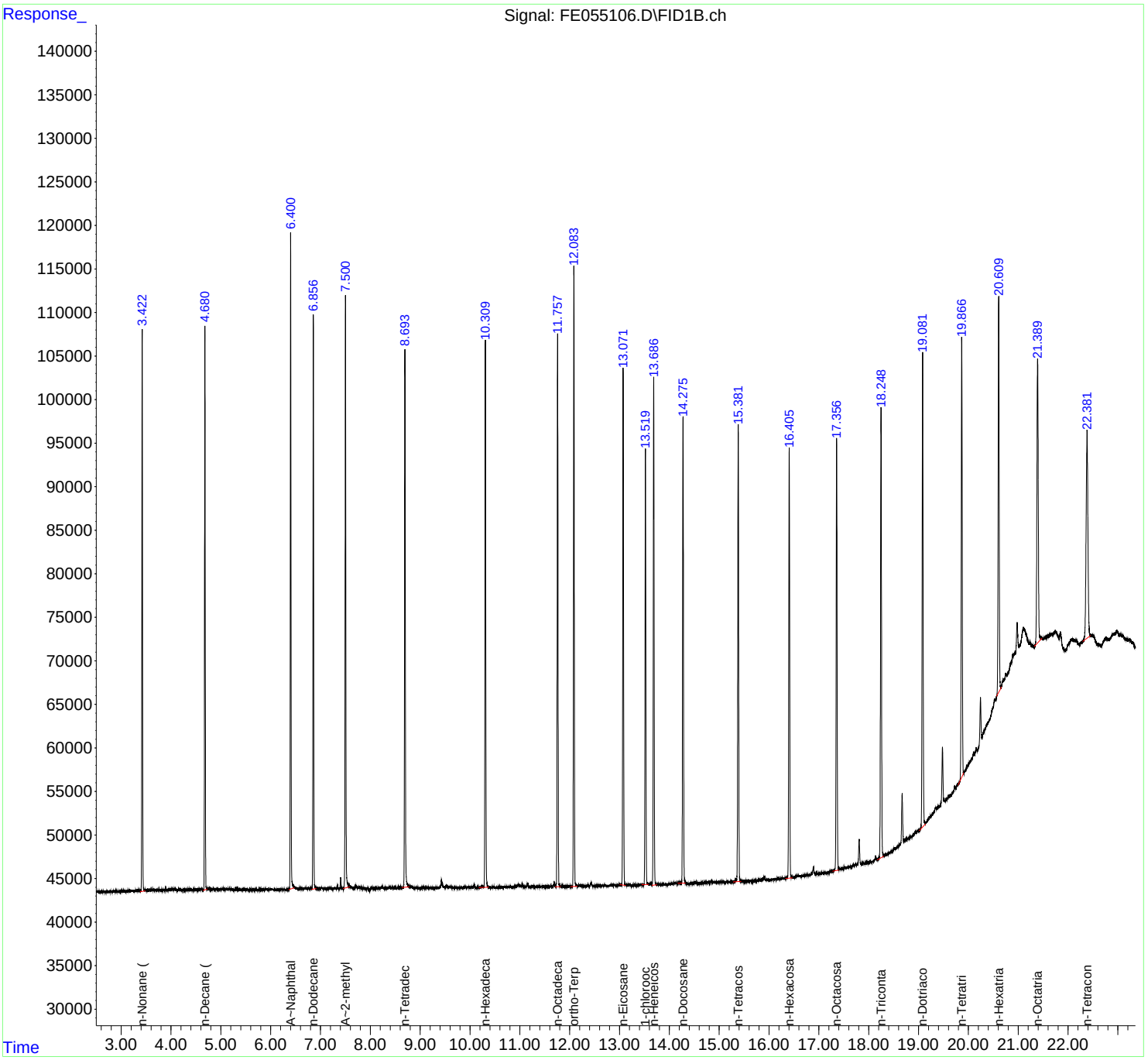
(f)=RT Delta > 1/2 Window (m)=manual int.

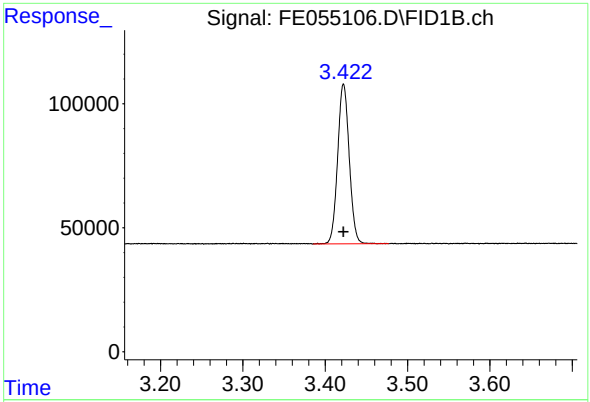
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055106.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:25
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

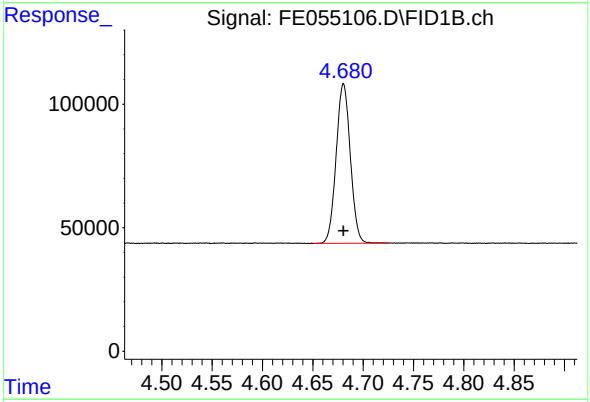




#1 n-Nonane (C9)

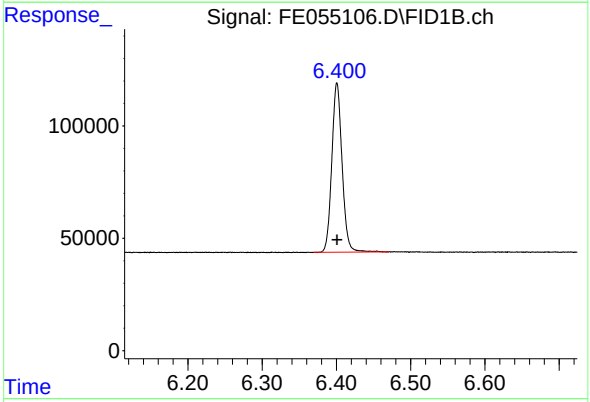
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 629501
Conc: 5.48 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



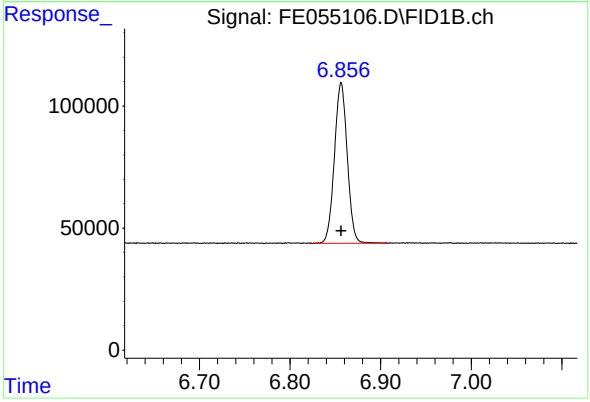
#2 n-Decane (C10)

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



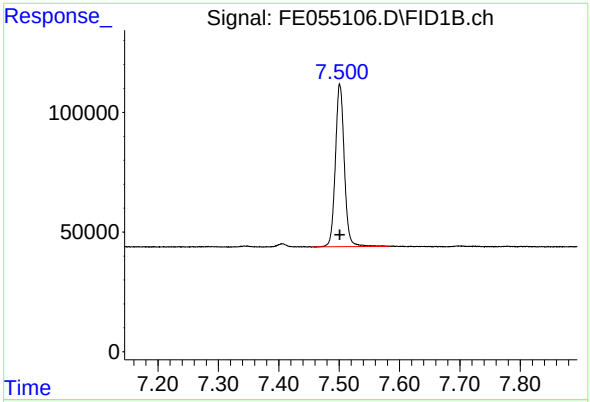
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

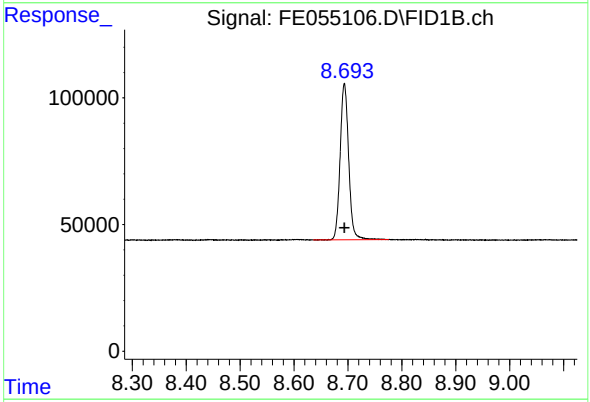
R.T.: 6.856 min
Delta R.T.: 0.000 min
Response: 647501
Conc: 5.44 ug/ml



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

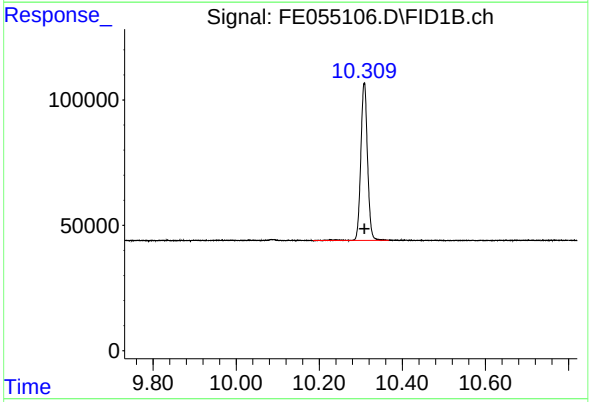
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 697536
Conc: 5.35 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



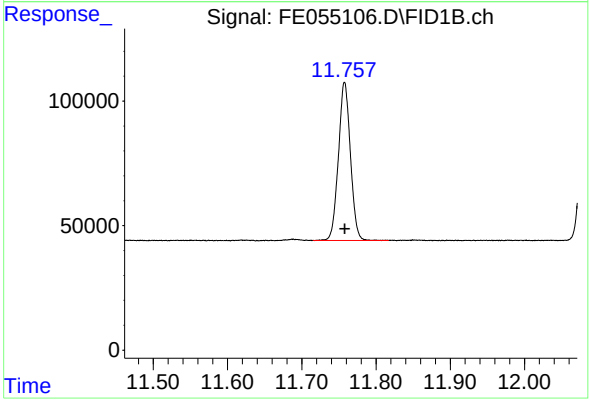
#6 n-Tetradecane (C14)

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



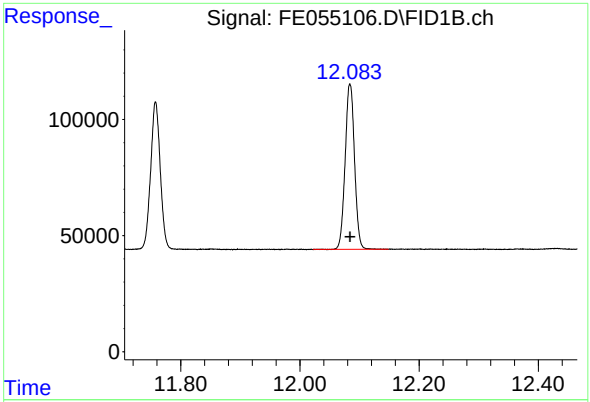
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

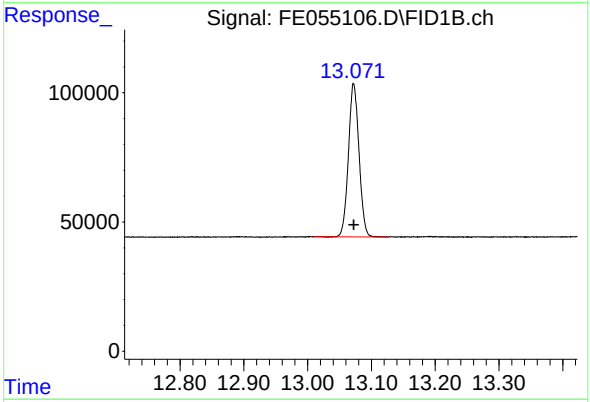
R.T.: 11.758 min
Delta R.T.: 0.000 min
Response: 713273
Conc: 5.47 ug/ml



#9 ortho-Terphenyl (SURR)

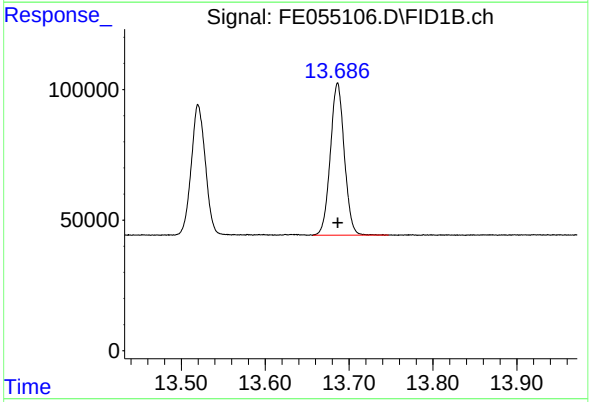
R.T.: 12.084 min
Delta R.T.: 0.000 min
Response: 778115
Conc: 5.45 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



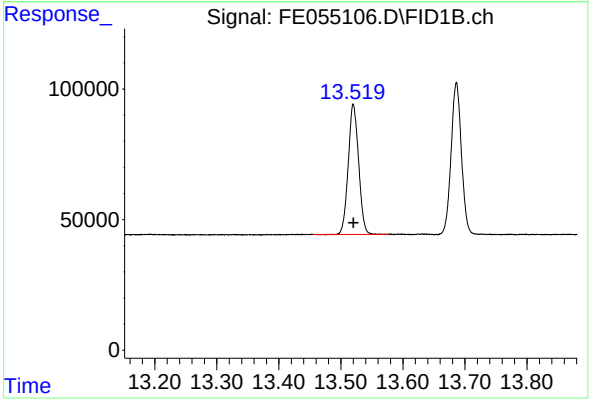
#10 n-Eicosane (C20)

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



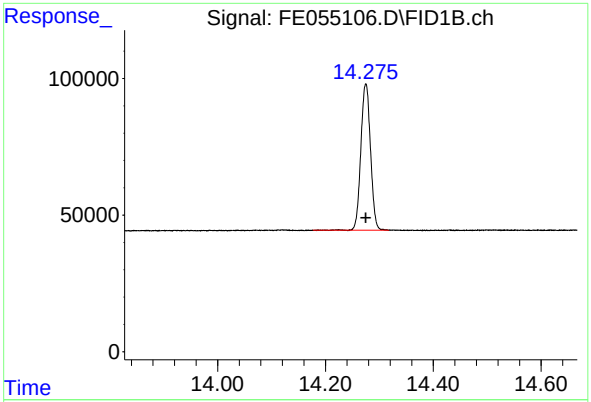
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

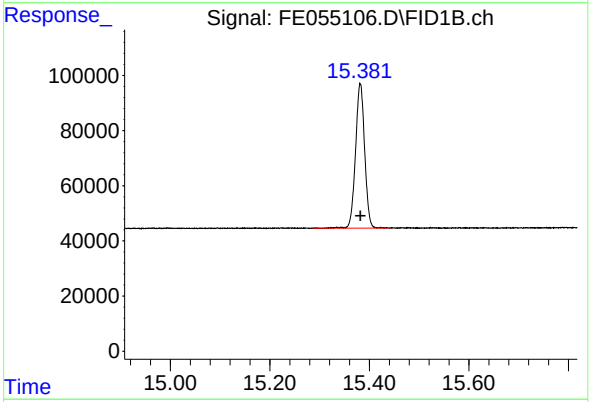
R.T.: 13.520 min
Delta R.T.: 0.000 min
Response: 580920
Conc: 5.40 ug/ml



#13 n-Docosane (C22)

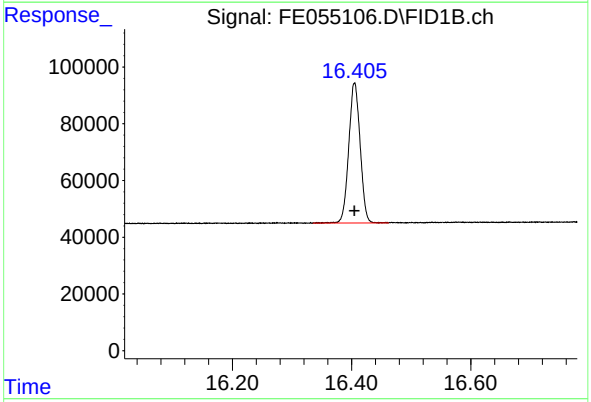
R.T.: 14.275 min
Delta R.T.: 0.000 min
Response: 665279
Conc: 5.45 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



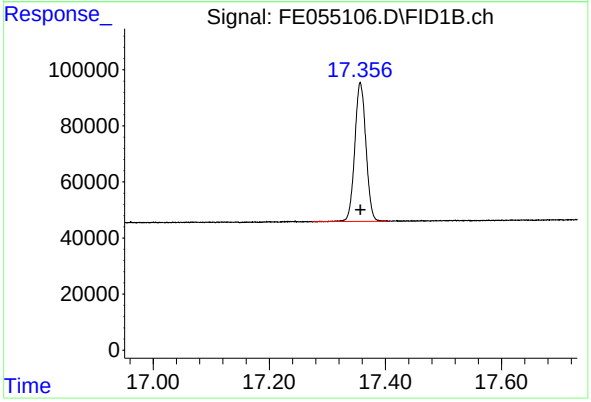
#14 n-Tetracosane (C24)

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



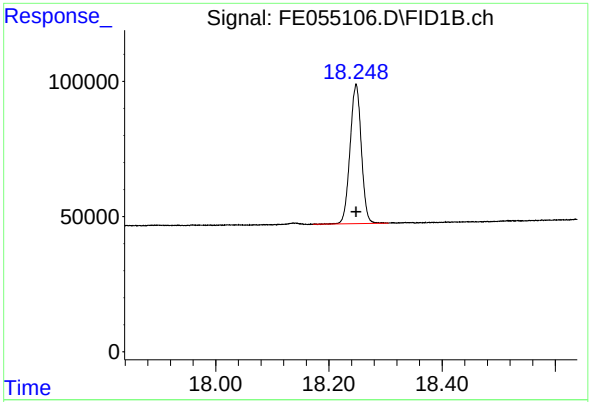
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

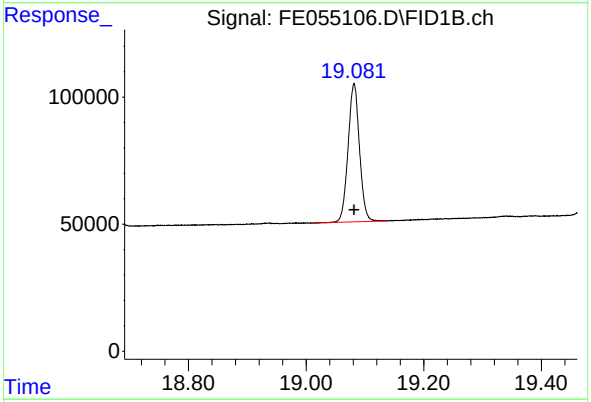
R.T.: 17.357 min
Delta R.T.: 0.000 min
Response: 659989
Conc: 5.56 ug/ml



#17 n-Tricontane (C30)

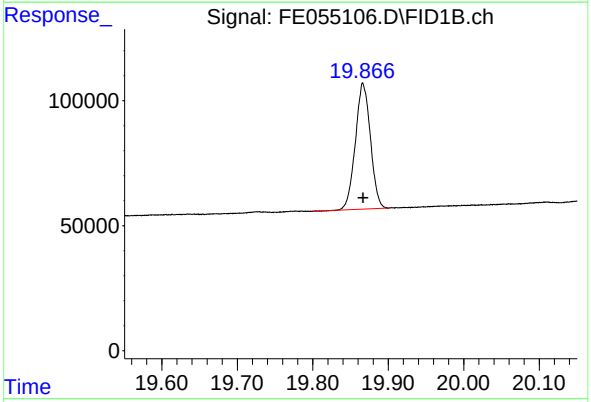
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 712384
Conc: 5.79 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



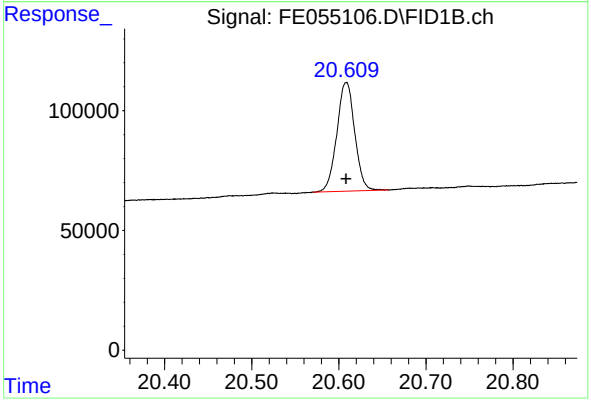
#18 n-Dotriacontane (C32)

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



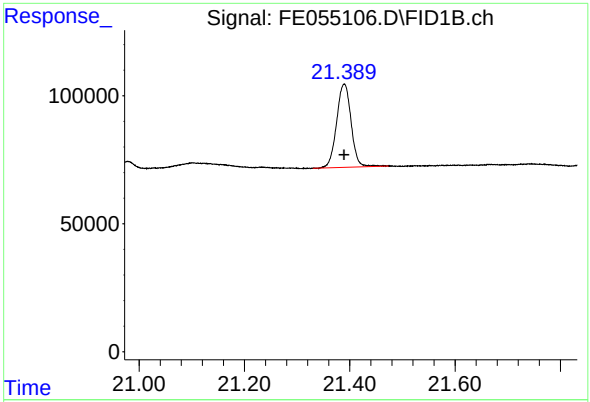
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

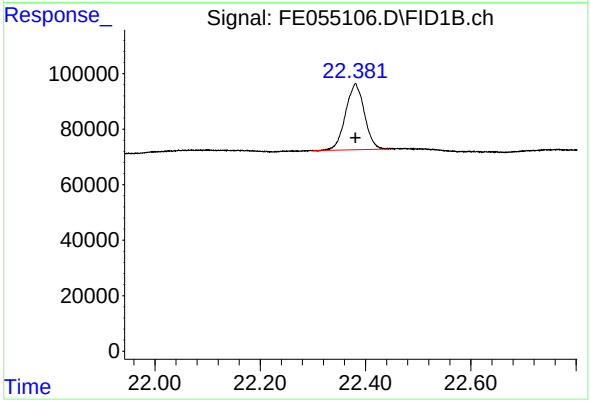
R.T.: 20.608 min
Delta R.T.: 0.000 min
Response: 646626
Conc: 5.92 ug/ml



#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

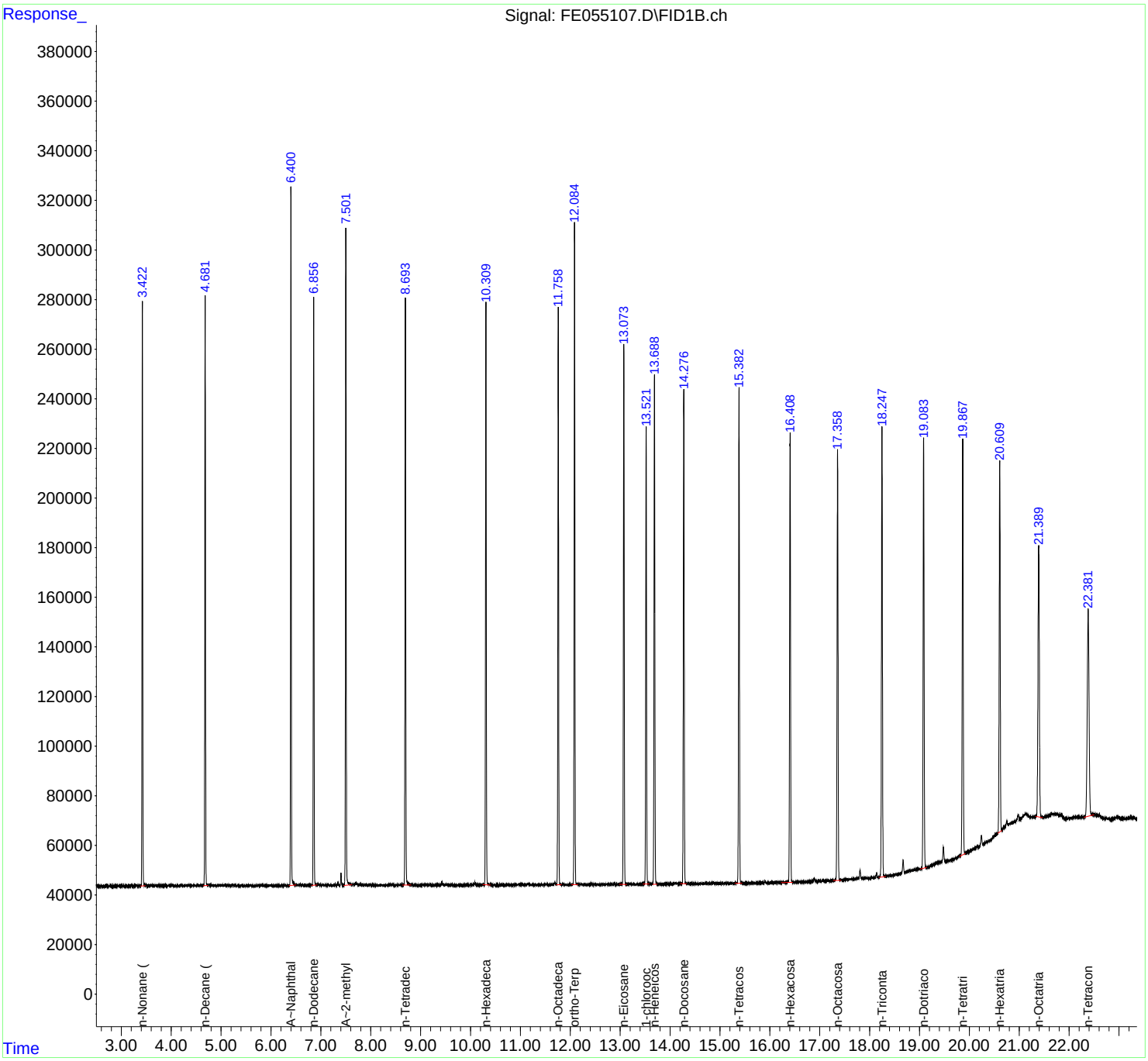
(f)=RT Delta > 1/2 Window (m)=manual int.

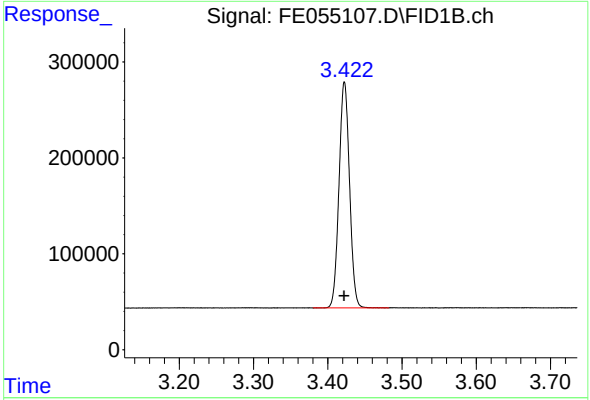
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055107.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:55
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

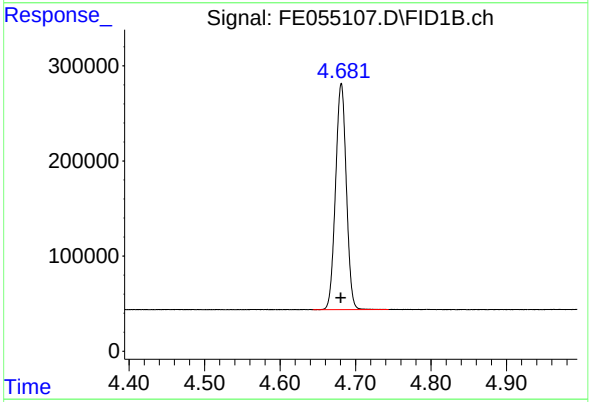




#1 n-Nonane (C9)

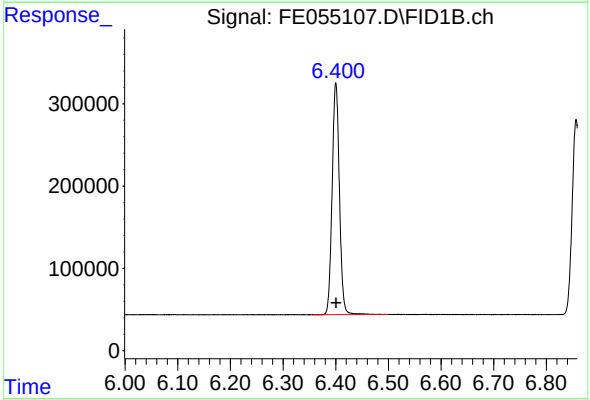
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 2320492
Conc: 20.22 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



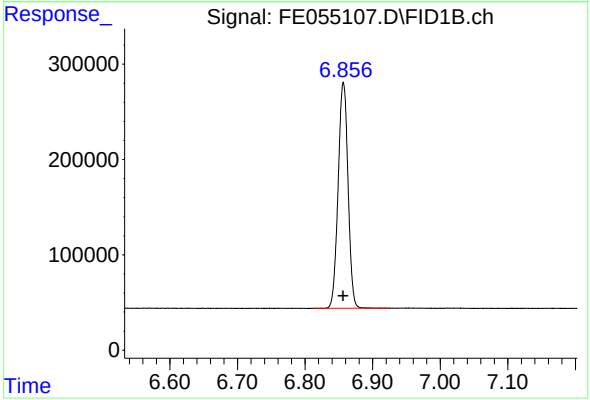
#2 n-Decane (C10)

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



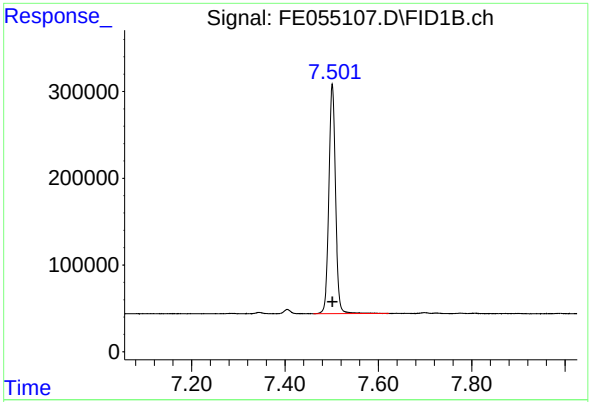
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

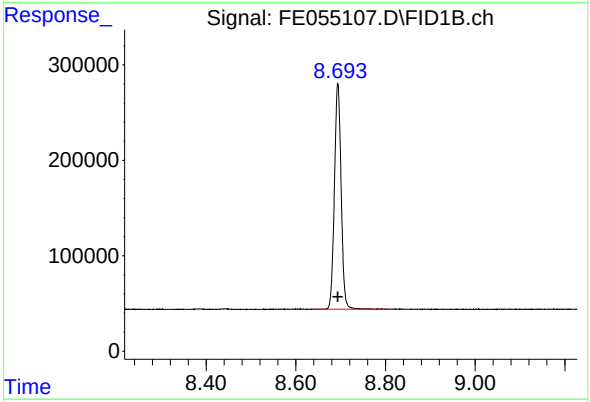
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 2407946
Conc: 20.22 ug/ml



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

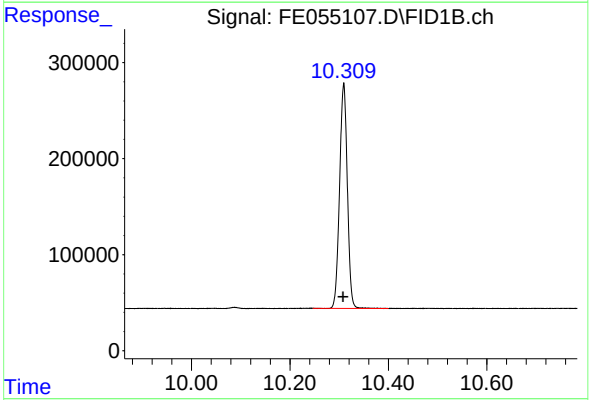
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 2636139
Conc: 20.22 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



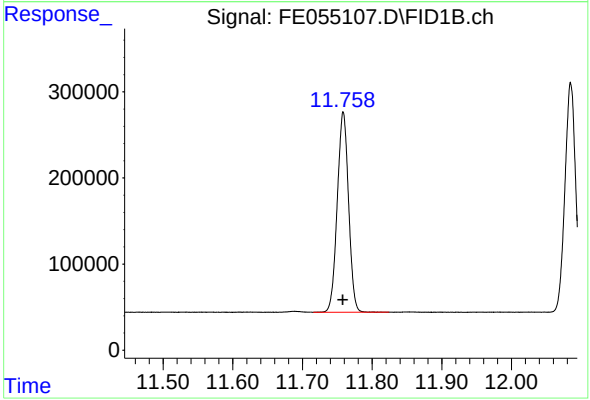
#6 n-Tetradecane (C14)

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



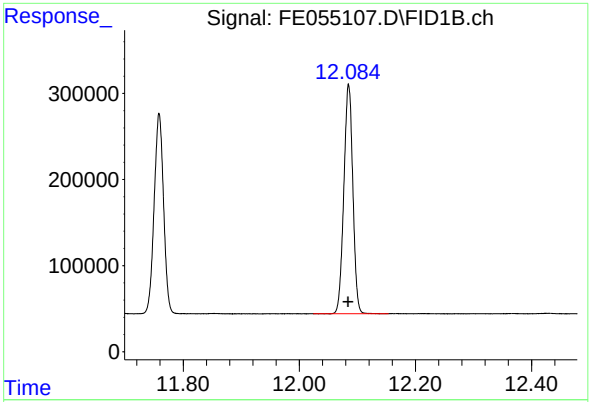
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

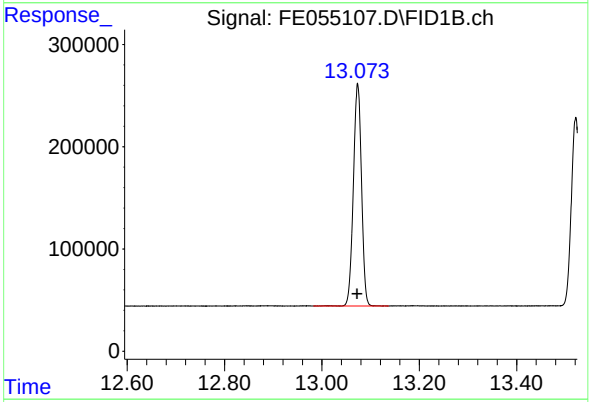
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 2619955
Conc: 20.08 ug/ml



#9 ortho-Terphenyl (SURR)

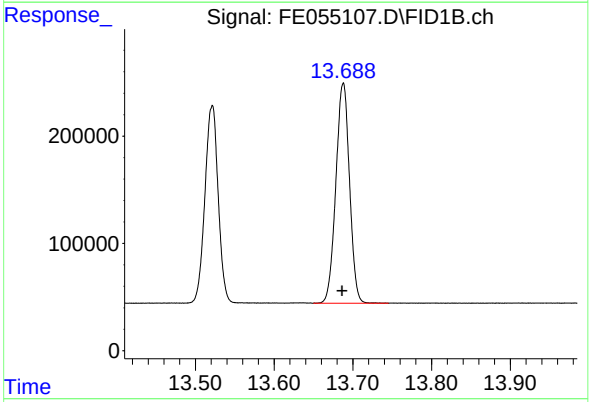
R.T.: 12.085 min
Delta R.T.: 0.000 min
Response: 2866726
Conc: 20.07 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



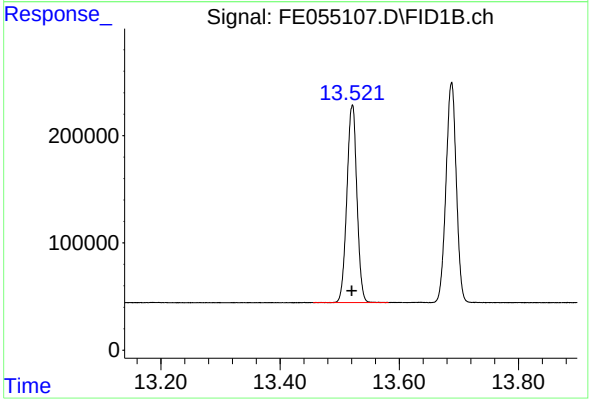
#10 n-Eicosane (C20)

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



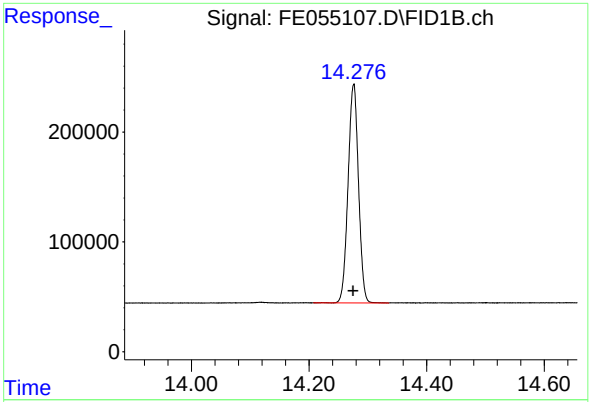
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

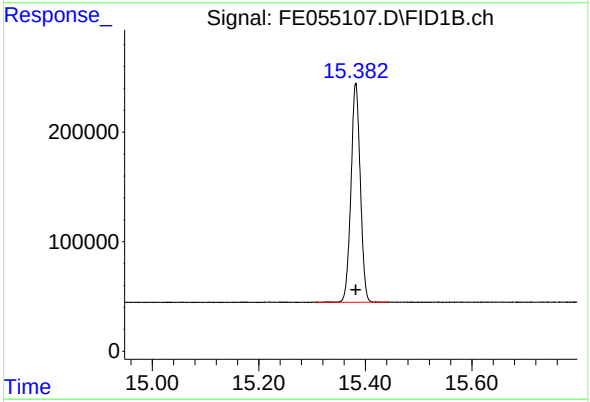
R.T.: 13.521 min
Delta R.T.: 0.000 min
Response: 2156193
Conc: 20.05 ug/ml



#13 n-Docosane (C22)

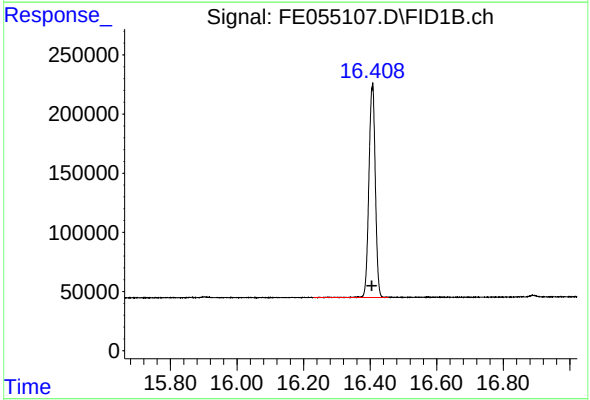
R.T.: 14.276 min
Delta R.T.: 0.000 min
Response: 2448476
Conc: 20.05 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



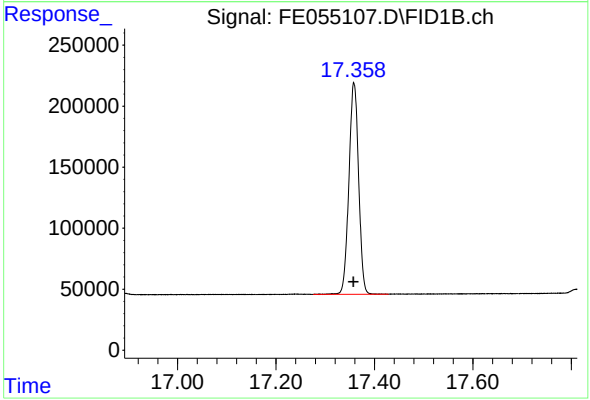
#14 n-Tetracosane (C24)

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



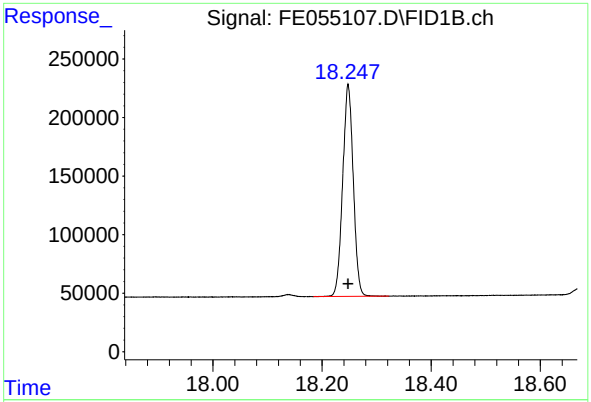
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

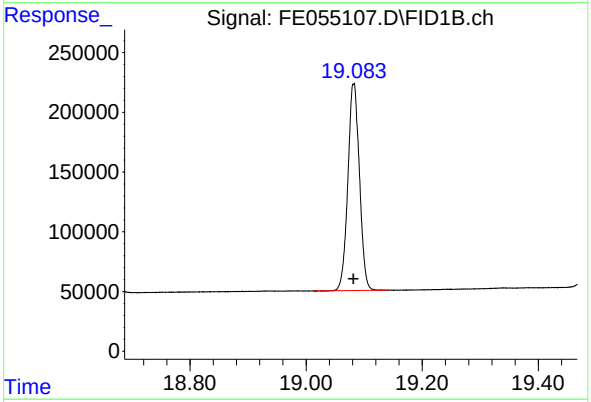
R.T.: 17.359 min
Delta R.T.: 0.002 min
Response: 2370324
Conc: 19.98 ug/ml



#17 n-Tricontane (C30)

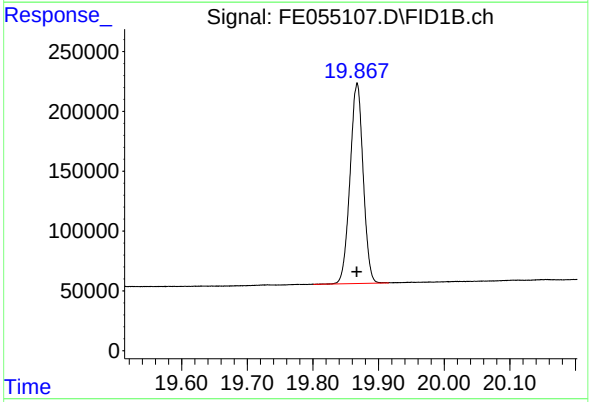
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 2441052
Conc: 19.84 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



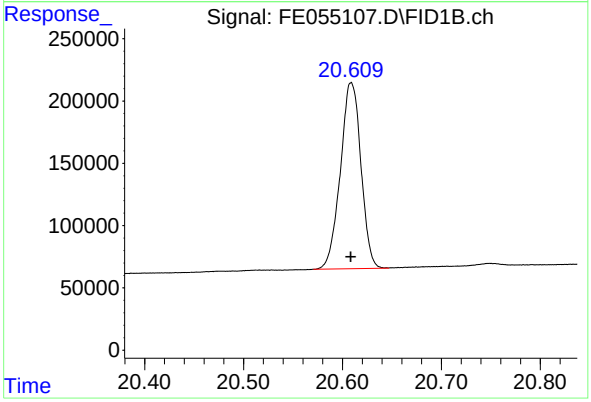
#18 n-Dotriacontane (C32)

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



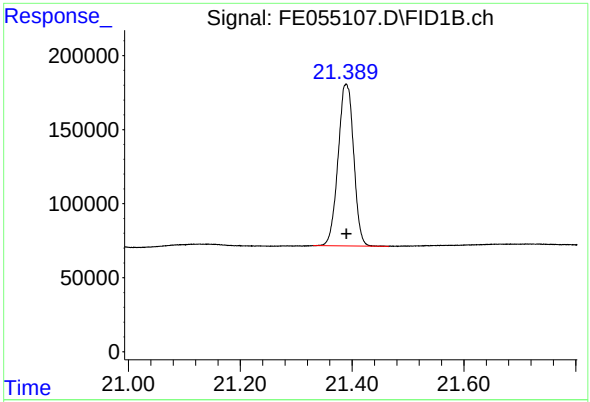
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

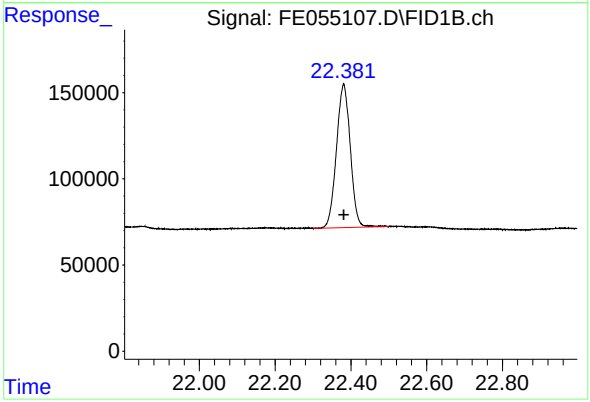
R.T.: 20.609 min
Delta R.T.: 0.000 min
Response: 2160075
Conc: 19.76 ug/ml



#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

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FE081225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE055243.D**						
Aliphatic C9-C12	6253802.000	60.000	3.323	6.959	104230.033	116782.597	10.749
Aliphatic C12-C16	4578727.000	40.000	6.960	10.413	114468.175	125227.070	8.592
Aliphatic C16-C21	6890938.000	60.000	10.414	13.793	114848.967	126404.887	9.142
Aliphatic C21-C28	9492701.000	80.000	13.794	17.466	118658.763	120505.719	1.533
Aliphatic C28-C40	14343816.000	120.000	17.467	22.498	119531.800	113987.195	-4.864
Aliphatic EPH	41559984.000	360.000	3.323	22.498	115444.400	119220.147	3.167

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Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	12 Aug 2025 07:29
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055243.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.323	6.959	6253802.000	60.000	ug/ml
Aliphatic C12-C16	6.960	10.413	4578727.000	40.000	ug/ml
Aliphatic C16-C21	10.414	13.793	6890938.000	60.000	ug/ml
Aliphatic C21-C28	13.794	17.466	9492701.000	80.000	ug/ml
Aliphatic C28-C40	17.467	22.498	14343816.000	120.000	ug/ml
Aliphatic EPH	3.323	22.498	41559984.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055243.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 07:29
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 13 03:58:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.091	2562384	17.943 ug/ml
Spiked Amount	50.000		Recovery =	35.89%
12) S	1-chlorooctadecane (S...	13.528	1941061	18.052 ug/ml
Spiked Amount	50.000		Recovery =	36.10%
	Target Compounds			
1) T	n-Nonane (C9)	3.423	1971634	17.179 ug/ml
2) T	n-Decane (C10)	4.682	2103775	18.059 ug/ml
3) T	A~Naphthalene (C11.7)	6.405	2409792	17.953 ug/ml
4) T	n-Dodecane (C12)	6.859	2178393	18.293 ug/ml
5) T	A~2-methylnaphthalene...	7.507	2355246	18.064 ug/ml
6) T	n-Tetradecane (C14)	8.697	2236126	18.238 ug/ml
7) T	n-Hexadecane (C16)	10.313	2342601	18.324 ug/ml
8) T	n-Octadecane (C18)	11.764	2378213	18.227 ug/ml
10) T	n-Eicosane (C20)	13.078	2290355	18.254 ug/ml
11) T	n-Heneicosane (C21)	13.693	2222370	18.029 ug/ml
13) T	n-Docosane (C22)	14.282	2261266	18.517 ug/ml
14) T	n-Tetracosane (C24)	15.389	2361129	19.412 ug/ml
15) T	n-Hexacosane (C26)	16.413	2408136	20.127 ug/ml
16) T	n-Octacosane (C28)	17.366	2462170	20.756 ug/ml
17) T	n-Tricontane (C30)	18.256	2709750	22.022 ug/ml
18) T	n-Dotriacontane (C32)	19.092	2754476	22.576 ug/ml
19) T	n-Tetratriacontane (C34)	19.878	2499428	21.377 ug/ml
20) T	n-Hexatriacontane (C36)	20.619	2322454	21.249 ug/ml
21) T	n-Octatriacontane (C38)	21.401	2134900	19.755 ug/ml
22) T	n-Tetracontane (C40)	22.398	1922808	18.387 ug/ml

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

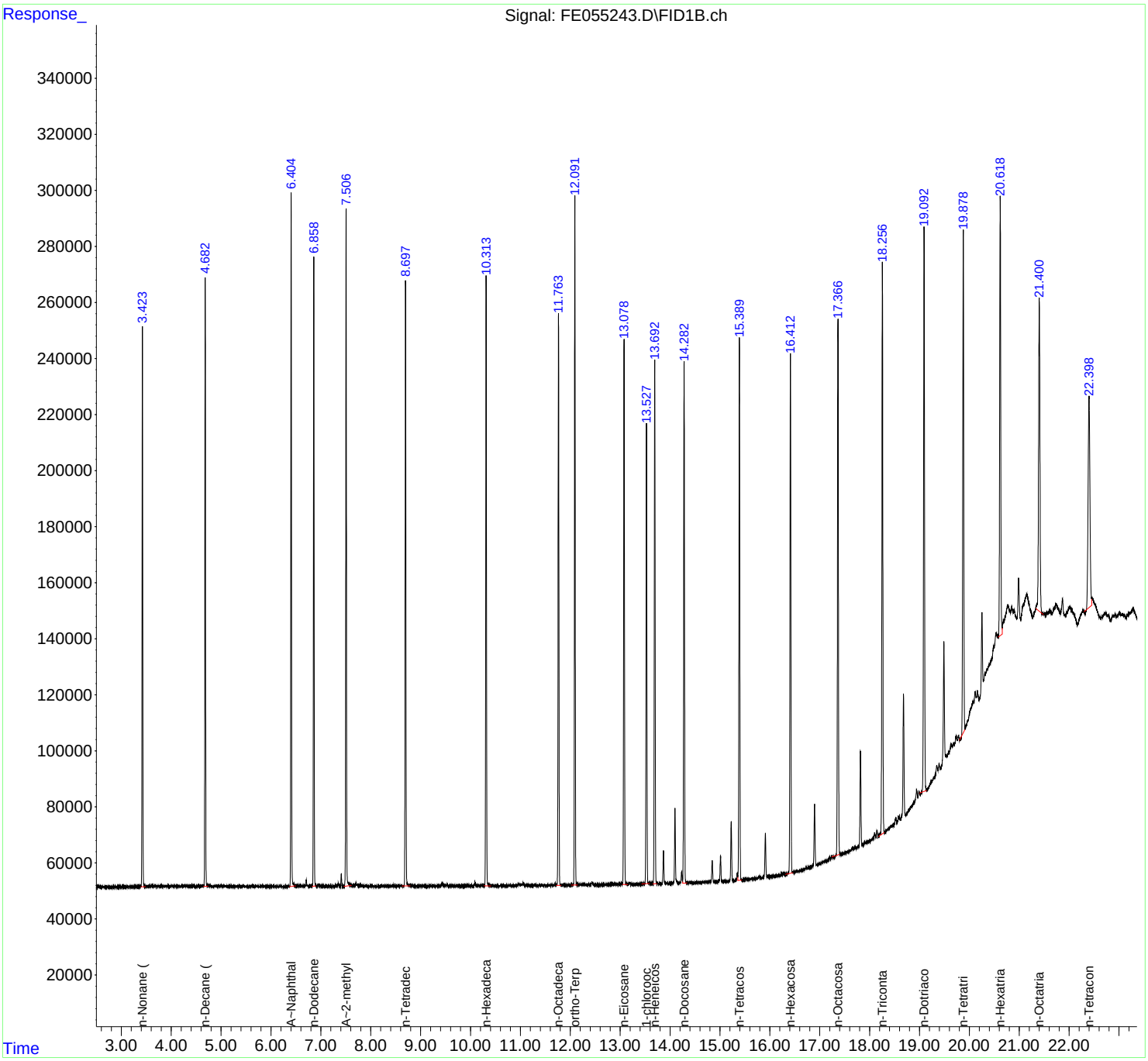
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055243.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 07:29
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 13 03:58:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055243.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 07:29
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	3.423	3.387	3.485	BB	199799	1971634	71.58%	3.879%
2	4.682	4.647	4.739	BB	216698	2103775	76.38%	4.139%
3	6.405	6.370	6.502	BB	247738	2409792	87.49%	4.741%
4	6.859	6.825	6.905	BB	224917	2178393	79.09%	4.286%
5	7.507	7.464	7.609	BB	239669	2355246	85.51%	4.634%
6	8.697	8.632	8.787	BB	216161	2236126	81.18%	4.399%
7	10.313	10.270	10.407	BB	217930	2342601	85.05%	4.609%
8	11.764	11.722	11.822	BB	203911	2378213	86.34%	4.679%
9	12.091	12.024	12.145	BV	244175	2562384	93.03%	5.041%
10	13.078	13.042	13.150	PB	194968	2290355	83.15%	4.506%
11	13.528	13.429	13.584	BB	164539	1941061	70.47%	3.819%
12	13.693	13.656	13.734	PB	186905	2222370	80.68%	4.372%
13	14.282	14.252	14.344	VB	186036	2261266	82.09%	4.449%
14	15.389	15.359	15.437	VB	193275	2361129	85.72%	4.645%
15	16.413	16.317	16.465	BB	184456	2408136	87.43%	4.738%
16	17.366	17.250	17.402	BV	188782	2462170	89.39%	4.844%
17	18.256	18.179	18.294	PV	203825	2709750	98.38%	5.331%
18	19.092	19.000	19.150	BV	201773	2754476	100.00%	5.419%
19	19.878	19.800	19.912	BV	179511	2499428	90.74%	4.917%
20	20.619	20.570	20.658	BV	156922	2322454	84.32%	4.569%
21	21.401	21.330	21.489	BV	111175	2134900	77.51%	4.200%
22	22.398	22.300	22.454	BV	75590	1922808	69.81%	3.783%
					Sum of corrected areas:	50828466		

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Continuing Calibration Report for SequenceID : FE081225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE055254.D**						
Aliphatic C9-C12	6178262.000	60.000	3.323	6.959	102971.033	116782.597	11.827
Aliphatic C12-C16	4527408.000	40.000	6.960	10.413	113185.200	125227.070	9.616
Aliphatic C16-C21	6817977.000	60.000	10.414	13.793	113632.950	126404.887	10.104
Aliphatic C21-C28	9438512.000	80.000	13.794	17.466	117981.400	120505.719	2.095
Aliphatic C28-C40	14243173.000	120.000	17.467	22.498	118693.108	113987.195	-4.128
Aliphatic EPH	41205332.000	360.000	3.323	22.498	114459.256	119220.147	3.993

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Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	12 Aug 2025 13:54
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055254.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.323	6.959	6178262.000	60.000	ug/ml
Aliphatic C12-C16	6.960	10.413	4527408.000	40.000	ug/ml
Aliphatic C16-C21	10.414	13.793	6817977.000	60.000	ug/ml
Aliphatic C21-C28	13.794	17.466	9438512.000	80.000	ug/ml
Aliphatic C28-C40	17.467	22.498	14243173.000	120.000	ug/ml
Aliphatic EPH	3.323	22.498	41205332.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055254.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 13:54
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 13 04:02:34 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)	12.087	2533577	17.742 ug/ml
Spiked Amount	50.000		Recovery =	35.48%
12) S	1-chlorooctadecane (S...	13.524	1929361	17.944 ug/ml
Spiked Amount	50.000		Recovery =	35.89%
	Target Compounds			
1) T	n-Nonane (C9)	3.422	1951803	17.006 ug/ml
2) T	n-Decane (C10)	4.680	2077381	17.832 ug/ml
3) T	A~Naphthalene (C11.7)	6.401	2369901	17.655 ug/ml
4) T	n-Dodecane (C12)	6.856	2149078	18.047 ug/ml
5) T	A~2-methylnaphthalene...	7.503	2333319	17.896 ug/ml
6) T	n-Tetradecane (C14)	8.694	2219873	18.105 ug/ml
7) T	n-Hexadecane (C16)	10.310	2307535	18.050 ug/ml
8) T	n-Octadecane (C18)	11.760	2349660	18.009 ug/ml
10) T	n-Eicosane (C20)	13.075	2264209	18.046 ug/ml
11) T	n-Heneicosane (C21)	13.690	2204108	17.881 ug/ml
13) T	n-Docosane (C22)	14.278	2245459	18.387 ug/ml
14) T	n-Tetracosane (C24)	15.386	2349227	19.314 ug/ml
15) T	n-Hexacosane (C26)	16.410	2392181	19.994 ug/ml
16) T	n-Octacosane (C28)	17.363	2451645	20.667 ug/ml
17) T	n-Tricontane (C30)	18.253	2721077	22.114 ug/ml
18) T	n-Dotriacontane (C32)	19.087	2769942	22.702 ug/ml
19) T	n-Tetratriacontane (C34)	19.873	2514608	21.507 ug/ml
20) T	n-Hexatriacontane (C36)	20.614	2298162	21.026 ug/ml
21) T	n-Octatriacontane (C38)	21.397	2040612	18.882 ug/ml
22) T	n-Tetracontane (C40)	22.391	1898772	18.157 ug/ml

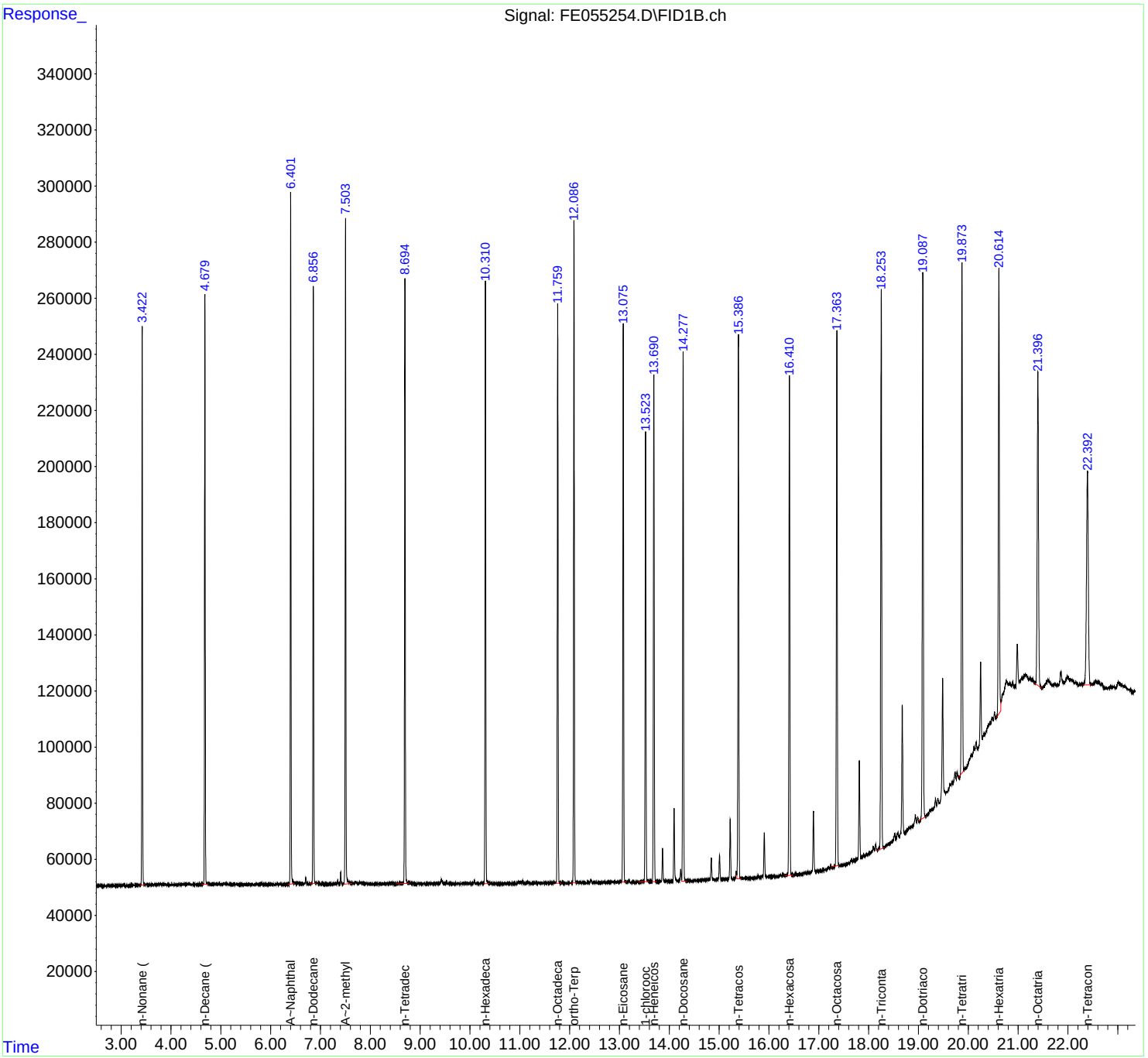
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055254.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 13:54
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 13 04:02:34 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\FE081225AL\
Data File : FE055254.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 13:54
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	3.422	3.385	3.475	BB	199030	1951803	70.46%	3.875%
2	4.680	4.620	4.750	BB	209617	2077381	75.00%	4.124%
3	6.401	6.349	6.479	BB	245304	2369901	85.56%	4.705%
4	6.856	6.792	6.917	BB	212975	2149078	77.59%	4.266%
5	7.503	7.452	7.625	BB	236827	2333319	84.24%	4.632%
6	8.694	8.512	8.784	BB	215429	2219873	80.14%	4.407%
7	10.310	10.274	10.389	BB	214905	2307535	83.31%	4.581%
8	11.760	11.724	11.829	BB	205925	2349660	84.83%	4.665%
9	12.087	12.029	12.140	BV	235975	2533577	91.47%	5.030%
10	13.075	13.042	13.142	BB	198429	2264209	81.74%	4.495%
11	13.524	13.389	13.582	BB	160037	1929361	69.65%	3.830%
12	13.690	13.657	13.745	BB	180948	2204108	79.57%	4.376%
13	14.278	14.247	14.345	VB	188495	2245459	81.07%	4.458%
14	15.386	15.354	15.452	VB	192429	2349227	84.81%	4.664%
15	16.410	16.327	16.489	BB	178163	2392181	86.36%	4.749%
16	17.363	17.250	17.400	BV	191188	2451645	88.51%	4.867%
17	18.253	18.167	18.314	VV	200010	2721077	98.24%	5.402%
18	19.087	19.000	19.147	BV	194315	2769942	100.00%	5.499%
19	19.873	19.800	19.910	BV	181906	2514608	90.78%	4.992%
20	20.614	20.570	20.652	BV	158292	2298162	82.97%	4.562%
21	21.397	21.330	21.484	BV	111615	2040612	73.67%	4.051%
22	22.391	22.300	22.467	BV	75798	1898772	68.55%	3.770%
					Sum of corrected areas:	50371486		

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FE081225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE055268.D**						
Aliphatic C9-C12	6298720.000	60.000	3.323	6.959	104978.667	116782.597	10.108
Aliphatic C12-C16	4641325.000	40.000	6.960	10.413	116033.125	125227.070	7.342
Aliphatic C16-C21	7203361.000	60.000	10.414	13.793	120056.017	126404.887	5.023
Aliphatic C21-C28	10317939.000	80.000	13.794	17.466	128974.238	120505.719	-7.027
Aliphatic C28-C40	15234038.000	120.000	17.467	22.498	126950.317	113987.195	-11.372
Aliphatic EPH	43695383.000	360.000	3.323	22.498	121376.064	119220.147	-1.808

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:	12 Aug 2025 21:32
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055268.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.323	6.959	6298720.000	60.000	ug/ml
Aliphatic C12-C16	6.960	10.413	4641325.000	40.000	ug/ml
Aliphatic C16-C21	10.414	13.793	7203361.000	60.000	ug/ml
Aliphatic C21-C28	13.794	17.466	10317939.000	80.000	ug/ml
Aliphatic C28-C40	17.467	22.498	15234038.000	120.000	ug/ml
Aliphatic EPH	3.323	22.498	43695383.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055268.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 21:32
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 13 04:08:09 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)	12.086	2675877	18.738 ug/ml
Spiked Amount	50.000	Recovery	=	37.48%
12)	S 1-chlorooctadecane (S...	13.524	2057519	19.135 ug/ml
Spiked Amount	50.000	Recovery	=	38.27%
	Target Compounds			
1)	T n-Nonane (C9)	3.422	2005916	17.478 ug/ml
2)	T n-Decane (C10)	4.680	2111137	18.122 ug/ml
3)	T A~Naphthalene (C11.7)	6.401	2432869	18.125 ug/ml
4)	T n-Dodecane (C12)	6.856	2181667	18.321 ug/ml
5)	T A~2-methylnaphthalene...	7.503	2402681	18.428 ug/ml
6)	T n-Tetradecane (C14)	8.694	2255274	18.394 ug/ml
7)	T n-Hexadecane (C16)	10.310	2386051	18.664 ug/ml
8)	T n-Octadecane (C18)	11.760	2466426	18.903 ug/ml
10)	T n-Eicosane (C20)	13.075	2400907	19.135 ug/ml
11)	T n-Heneicosane (C21)	13.689	2336028	18.951 ug/ml
13)	T n-Docosane (C22)	14.278	2405075	19.694 ug/ml
14)	T n-Tetracosane (C24)	15.386	2566865	21.103 ug/ml
15)	T n-Hexacosane (C26)	16.409	2629495	21.977 ug/ml
16)	T n-Octacosane (C28)	17.362	2716504	22.900 ug/ml
17)	T n-Tricontane (C30)	18.252	2976175	24.187 ug/ml
18)	T n-Dotriacontane (C32)	19.086	2998027	24.572 ug/ml
19)	T n-Tetratriacontane (C34)	19.871	2655127	22.709 ug/ml
20)	T n-Hexatriacontane (C36)	20.613	2379708	21.772 ug/ml
21)	T n-Octatriacontane (C38)	21.396	2239189	20.720 ug/ml
22)	T n-Tetracontane (C40)	22.389	1985812	18.989 ug/ml

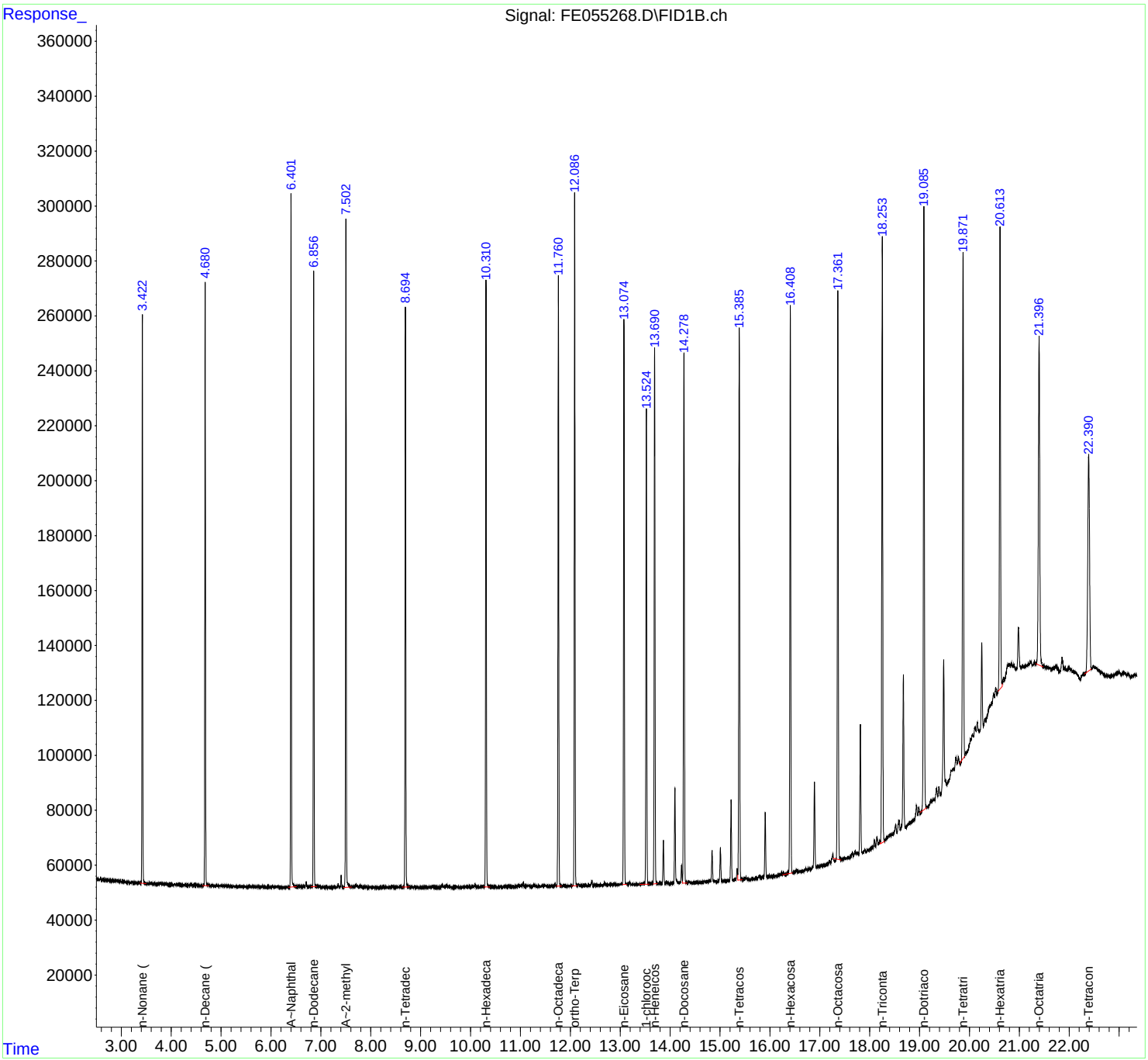
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055268.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 21:32
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 13 04:08:09 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\FE081225AL\
Data File : FE055268.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 21:32
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	3.422	3.369	3.495	BB	207249	2005916	66.91%	3.766%
2	4.680	4.620	4.755	BB	219698	2111137	70.42%	3.964%
3	6.401	6.349	6.509	BB	252752	2432869	81.15%	4.568%
4	6.856	6.804	6.915	BB	223610	2181667	72.77%	4.096%
5	7.503	7.452	7.619	BB	240305	2402681	80.14%	4.511%
6	8.694	8.625	8.775	BB	211100	2255274	75.23%	4.234%
7	10.310	10.264	10.392	BB	221192	2386051	79.59%	4.480%
8	11.760	11.714	11.827	VB	222560	2466426	82.27%	4.631%
9	12.086	12.025	12.139	BV	250519	2675877	89.25%	5.024%
10	13.075	13.044	13.134	BB	203057	2400907	80.08%	4.508%
11	13.524	13.389	13.580	BV	172886	2057519	68.63%	3.863%
12	13.689	13.654	13.744	PB	195290	2336028	77.92%	4.386%
13	14.278	14.248	14.347	VB	193428	2405075	80.22%	4.515%
14	15.386	15.355	15.444	VB	200800	2566865	85.62%	4.819%
15	16.409	16.250	16.454	VB	206605	2629495	87.71%	4.937%
16	17.362	17.275	17.430	BV	206926	2716504	90.61%	5.100%
17	18.252	18.212	18.295	VV	216546	2976175	99.27%	5.588%
18	19.086	19.000	19.139	BV	217434	2998027	100.00%	5.629%
19	19.871	19.800	19.907	BV	183871	2655127	88.56%	4.985%
20	20.613	20.570	20.657	BV	167852	2379708	79.38%	4.468%
21	21.396	21.330	21.472	BV	119595	2239189	74.69%	4.204%
22	22.389	22.300	22.443	BV	78000	1985812	66.24%	3.728%
			Sum of corrected areas:			53264328		

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FE081225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE055278.D**						
Aliphatic C9-C12	6012684.000	60.000	3.323	6.959	100211.400	116782.597	14.190
Aliphatic C12-C16	4431026.000	40.000	6.960	10.413	110775.650	125227.070	11.540
Aliphatic C16-C21	6916772.000	60.000	10.414	13.793	115279.533	126404.887	8.801
Aliphatic C21-C28	9708352.000	80.000	13.794	17.466	121354.400	120505.719	-0.704
Aliphatic C28-C40	14814589.000	120.000	17.467	22.498	123454.908	113987.195	-8.306
Aliphatic EPH	41883423.000	360.000	3.323	22.498	116342.842	119220.147	2.413

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Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	13 Aug 2025 04:08
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055278.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.323	6.959	6012684.000	60.000	ug/ml
Aliphatic C12-C16	6.960	10.413	4431026.000	40.000	ug/ml
Aliphatic C16-C21	10.414	13.793	6916772.000	60.000	ug/ml
Aliphatic C21-C28	13.794	17.466	9708352.000	80.000	ug/ml
Aliphatic C28-C40	17.467	22.498	14814589.000	120.000	ug/ml
Aliphatic EPH	3.323	22.498	41883423.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055278.D
Signal(s) : FID1B.ch
Acq On : 13 Aug 2025 04:08
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 13 05:01:50 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	2576683	18.044 ug/ml
Spiked Amount	50.000		Recovery =	36.09%
12) S	1-chlorooctadecane (S...	13.522	1977616	18.392 ug/ml
Spiked Amount	50.000		Recovery =	36.78%
	Target Compounds			
1) T	n-Nonane (C9)	3.420	1900540	16.560 ug/ml
2) T	n-Decane (C10)	4.679	2025540	17.387 ug/ml
3) T	A~Naphthalene (C11.7)	6.399	2328304	17.346 ug/ml
4) T	n-Dodecane (C12)	6.855	2086604	17.522 ug/ml
5) T	A~2-methylnaphthalene...	7.501	2291097	17.572 ug/ml
6) T	n-Tetradecane (C14)	8.692	2154269	17.570 ug/ml
7) T	n-Hexadecane (C16)	10.308	2276757	17.809 ug/ml
8) T	n-Octadecane (C18)	11.758	2360585	18.092 ug/ml
10) T	n-Eicosane (C20)	13.073	2304809	18.369 ug/ml
11) T	n-Heneicosane (C21)	13.688	2251378	18.264 ug/ml
13) T	n-Docosane (C22)	14.277	2297686	18.815 ug/ml
14) T	n-Tetracosane (C24)	15.384	2414342	19.849 ug/ml
15) T	n-Hexacosane (C26)	16.408	2449432	20.472 ug/ml
16) T	n-Octacosane (C28)	17.360	2546892	21.470 ug/ml
17) T	n-Tricontane (C30)	18.250	2813895	22.868 ug/ml
18) T	n-Dotriacontane (C32)	19.085	2890357	23.689 ug/ml
19) T	n-Tetratriacontane (C34)	19.870	2621224	22.419 ug/ml
20) T	n-Hexatriacontane (C36)	20.611	2340089	21.410 ug/ml
21) T	n-Octatriacontane (C38)	21.392	2132319	19.731 ug/ml
22) T	n-Tetracontane (C40)	22.384	2016705	19.285 ug/ml

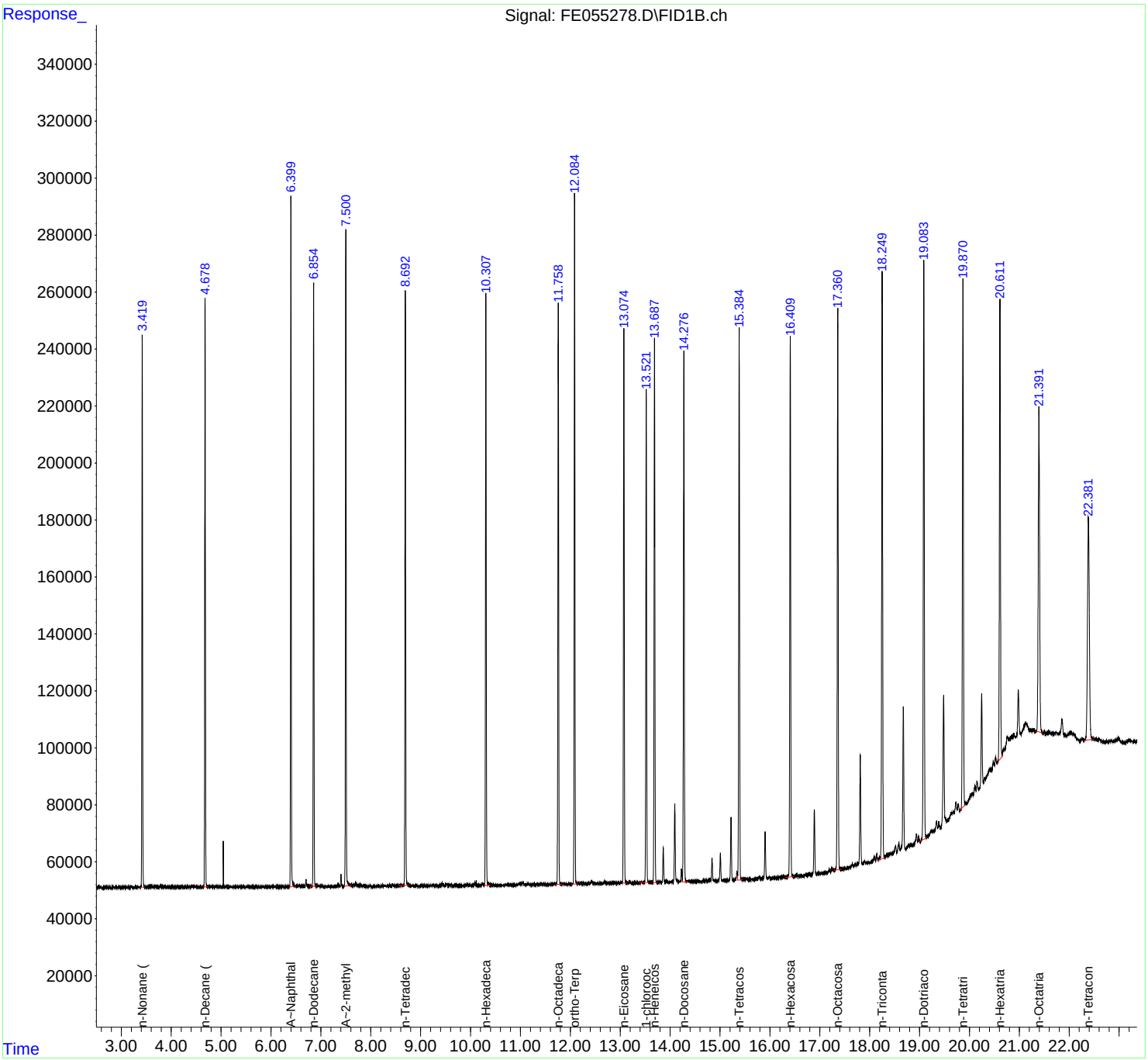
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055278.D
Signal(s) : FID1B.ch
Acq On : 13 Aug 2025 04:08
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 13 05:01:50 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\FE081225AL\
Data File : FE055278.D
Signal(s) : FID1B.ch
Acq On : 13 Aug 2025 04:08
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.420	3.385	3.467	BB	193673	1900540	65.75%	3.722%
2	4.679	4.647	4.749	BB	206590	2025540	70.08%	3.967%
3	6.400	6.369	6.495	BB	242532	2328304	80.55%	4.560%
4	6.855	6.789	6.917	BB	210525	2086604	72.19%	4.087%
5	7.501	7.460	7.607	BB	230328	2291097	79.27%	4.487%
6	8.692	8.560	8.764	BB	208918	2154269	74.53%	4.219%
7	10.308	10.270	10.389	BB	207611	2276757	78.77%	4.459%
8	11.758	11.709	11.829	VB	202731	2360585	81.67%	4.623%
9	12.085	12.015	12.145	BV	241813	2576683	89.15%	5.047%
10	13.073	13.035	13.135	BB	194992	2304809	79.74%	4.514%
11	13.522	13.389	13.577	BB	172469	1977616	68.42%	3.873%
12	13.688	13.649	13.752	PB	189196	2251378	77.89%	4.410%
13	14.277	14.245	14.352	VB	185802	2297686	79.49%	4.500%
14	15.384	15.352	15.457	VB	194097	2414342	83.53%	4.729%
15	16.408	16.314	16.477	BB	188878	2449432	84.74%	4.797%
16	17.360	17.275	17.425	BV	196533	2546892	88.12%	4.988%
17	18.250	18.177	18.312	PV	205663	2813895	97.35%	5.511%
18	19.085	19.000	19.149	BV	202787	2890357	100.00%	5.661%
19	19.870	19.800	19.905	BV	185983	2621224	90.69%	5.134%
20	20.611	20.570	20.655	BV	160766	2340089	80.96%	4.583%
21	21.392	21.330	21.472	BV	113066	2132319	73.77%	4.176%
22	22.384	22.300	22.500	BBA	77433	2016705	69.77%	3.950%
					Sum of corrected areas:	51057123		

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FE081325AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE055281.D**						
Aliphatic C9-C12	6191497.000	60.000	3.320	6.955	103191.617	116782.597	11.638
Aliphatic C12-C16	4553783.000	40.000	6.956	10.408	113844.575	125227.070	9.089
Aliphatic C16-C21	7067857.000	60.000	10.409	13.788	117797.617	126404.887	6.809
Aliphatic C21-C28	9885428.000	80.000	13.789	17.461	123567.850	120505.719	-2.541
Aliphatic C28-C40	15234823.000	120.000	17.462	22.486	126956.858	113987.195	-11.378
Aliphatic EPH	42933388.000	360.000	3.320	22.486	119259.411	119220.147	-0.033

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:	13 Aug 2025 08:17
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055281.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.320	6.955	6191497.000	60.000	ug/ml
Aliphatic C12-C16	6.956	10.408	4553783.000	40.000	ug/ml
Aliphatic C16-C21	10.409	13.788	7067857.000	60.000	ug/ml
Aliphatic C21-C28	13.789	17.461	9885428.000	80.000	ug/ml
Aliphatic C28-C40	17.462	22.486	15234823.000	120.000	ug/ml
Aliphatic EPH	3.320	22.486	42933388.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081325AL\
Data File : FE055281.D
Signal(s) : FID1B.ch
Acq On : 13 Aug 2025 08:17
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: sample.E
Quant Time: Aug 13 11:27:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	12.085	2631230	18.425 ug/ml
Spiked Amount	50.000		Recovery =	36.85%
12)	S 1-chlorooctadecane (S...	13.522	2012299	18.715 ug/ml
Spiked Amount	50.000		Recovery =	37.43%
	Target Compounds			
1)	T n-Nonane (C9)	3.420	1958192	17.062 ug/ml
2)	T n-Decane (C10)	4.678	2086336	17.909 ug/ml
3)	T A~Naphthalene (C11.7)	6.399	2395707	17.848 ug/ml
4)	T n-Dodecane (C12)	6.855	2146969	18.029 ug/ml
5)	T A~2-methylnaphthalene...	7.501	2360538	18.105 ug/ml
6)	T n-Tetradecane (C14)	8.692	2217145	18.083 ug/ml
7)	T n-Hexadecane (C16)	10.308	2336638	18.277 ug/ml
8)	T n-Octadecane (C18)	11.758	2414923	18.509 ug/ml
10)	T n-Eicosane (C20)	13.074	2354930	18.769 ug/ml
11)	T n-Heneicosane (C21)	13.688	2298004	18.642 ug/ml
13)	T n-Docosane (C22)	14.277	2342966	19.186 ug/ml
14)	T n-Tetracosane (C24)	15.384	2451004	20.151 ug/ml
15)	T n-Hexacosane (C26)	16.408	2498079	20.879 ug/ml
16)	T n-Octacosane (C28)	17.361	2593379	21.862 ug/ml
17)	T n-Tricontane (C30)	18.251	2867201	23.301 ug/ml
18)	T n-Dotriacontane (C32)	19.086	2962018	24.277 ug/ml
19)	T n-Tetratriacontane (C34)	19.871	2726891	23.323 ug/ml
20)	T n-Hexatriacontane (C36)	20.613	2406952	22.022 ug/ml
21)	T n-Octatriacontane (C38)	21.394	2204509	20.399 ug/ml
22)	T n-Tetracontane (C40)	22.386	2067252	19.768 ug/ml

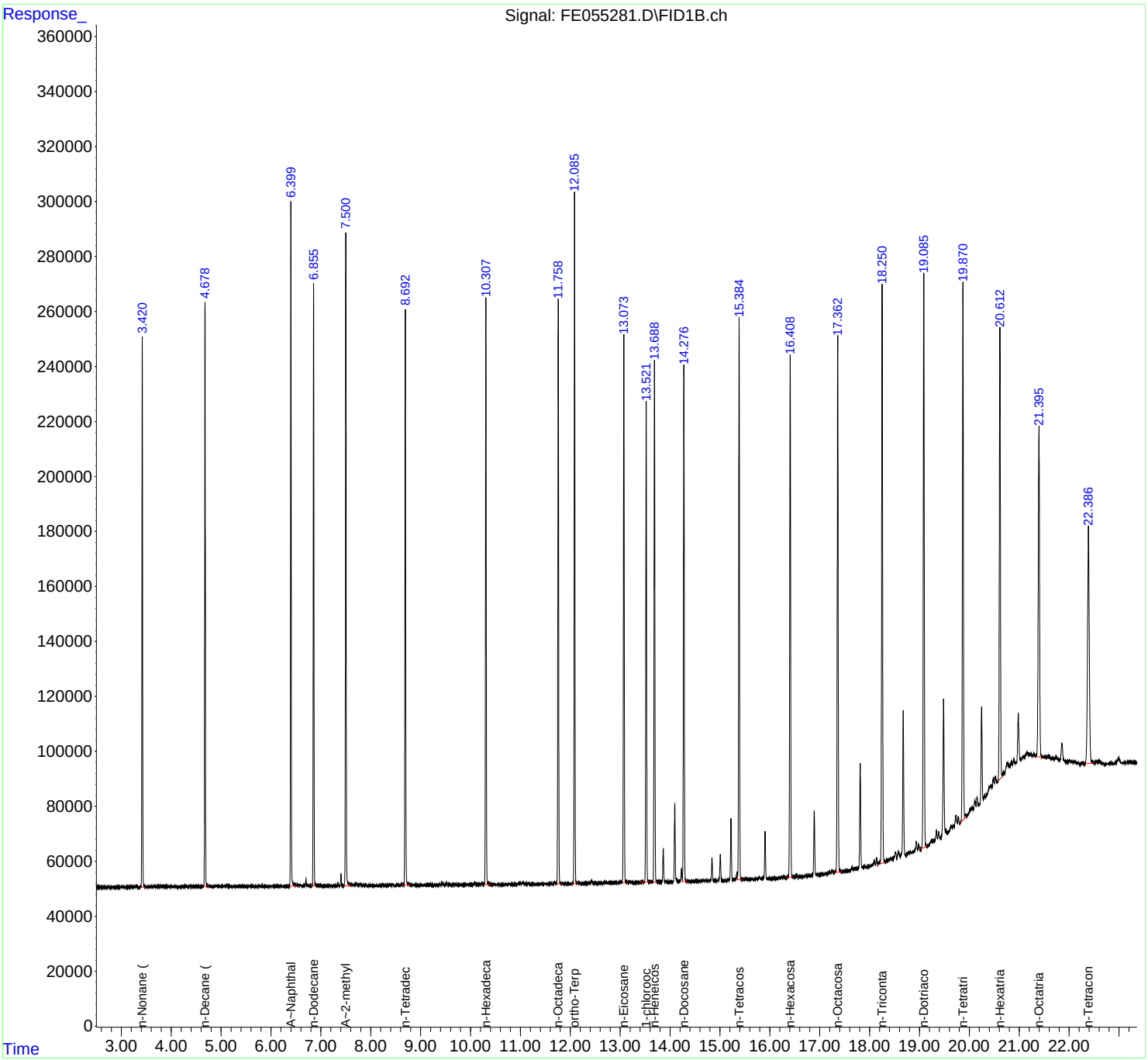
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081325AL\
Data File : FE055281.D
Signal(s) : FID1B.ch
Acq On : 13 Aug 2025 08:17
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: sample.E
Quant Time: Aug 13 11:27:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



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

Continuing Calibration Report for SequenceID : FE081325AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE055292.D**						
Aliphatic C9-C12	6133048.000	60.000	3.320	6.955	102217.467	116782.597	12.472
Aliphatic C12-C16	4477824.000	40.000	6.956	10.408	111945.600	125227.070	10.606
Aliphatic C16-C21	6952936.000	60.000	10.409	13.788	115882.267	126404.887	8.325
Aliphatic C21-C28	9771755.000	80.000	13.789	17.461	122146.938	120505.719	-1.362
Aliphatic C28-C40	15007929.000	120.000	17.462	22.486	125066.075	113987.195	-9.719
Aliphatic EPH	42343492.000	360.000	3.320	22.486	117620.811	119220.147	1.341

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:	13 Aug 2025 14:23
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055292.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.320	6.955	6133048.000	60.000	ug/ml
Aliphatic C12-C16	6.956	10.408	4477824.000	40.000	ug/ml
Aliphatic C16-C21	10.409	13.788	6952936.000	60.000	ug/ml
Aliphatic C21-C28	13.789	17.461	9771755.000	80.000	ug/ml
Aliphatic C28-C40	17.462	22.486	15007929.000	120.000	ug/ml
Aliphatic EPH	3.320	22.486	42343492.000	360.000	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081325AL\
Data File : FE055292.D
Signal(s) : FID1B.ch
Acq On : 13 Aug 2025 14:23
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: sample.E
Quant Time: Aug 13 15:23:32 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	2590298	18.139 ug/ml
Spiked Amount	50.000		Recovery =	36.28%
12)	S 1-chlorooctadecane (S...	13.523	1976641	18.383 ug/ml
Spiked Amount	50.000		Recovery =	36.77%
	Target Compounds			
1)	T n-Nonane (C9)	3.421	1940361	16.907 ug/ml
2)	T n-Decane (C10)	4.679	2068219	17.754 ug/ml
3)	T A~Naphthalene (C11.7)	6.400	2346517	17.481 ug/ml
4)	T n-Dodecane (C12)	6.855	2124468	17.840 ug/ml
5)	T A~2-methylnaphthalene...	7.501	2303037	17.664 ug/ml
6)	T n-Tetradecane (C14)	8.693	2189420	17.857 ug/ml
7)	T n-Hexadecane (C16)	10.309	2288404	17.900 ug/ml
8)	T n-Octadecane (C18)	11.759	2388769	18.308 ug/ml
10)	T n-Eicosane (C20)	13.074	2306766	18.385 ug/ml
11)	T n-Heneicosane (C21)	13.689	2257401	18.313 ug/ml
13)	T n-Docosane (C22)	14.277	2305515	18.879 ug/ml
14)	T n-Tetracosane (C24)	15.384	2448037	20.126 ug/ml
15)	T n-Hexacosane (C26)	16.408	2459490	20.556 ug/ml
16)	T n-Octacosane (C28)	17.362	2558713	21.570 ug/ml
17)	T n-Tricontane (C30)	18.251	2831405	23.010 ug/ml
18)	T n-Dotriacontane (C32)	19.086	2954053	24.211 ug/ml
19)	T n-Tetratriacontane (C34)	19.871	2685168	22.966 ug/ml
20)	T n-Hexatriacontane (C36)	20.613	2366182	21.649 ug/ml
21)	T n-Octatriacontane (C38)	21.394	2193924	20.301 ug/ml
22)	T n-Tetracontane (C40)	22.387	1977197	18.907 ug/ml

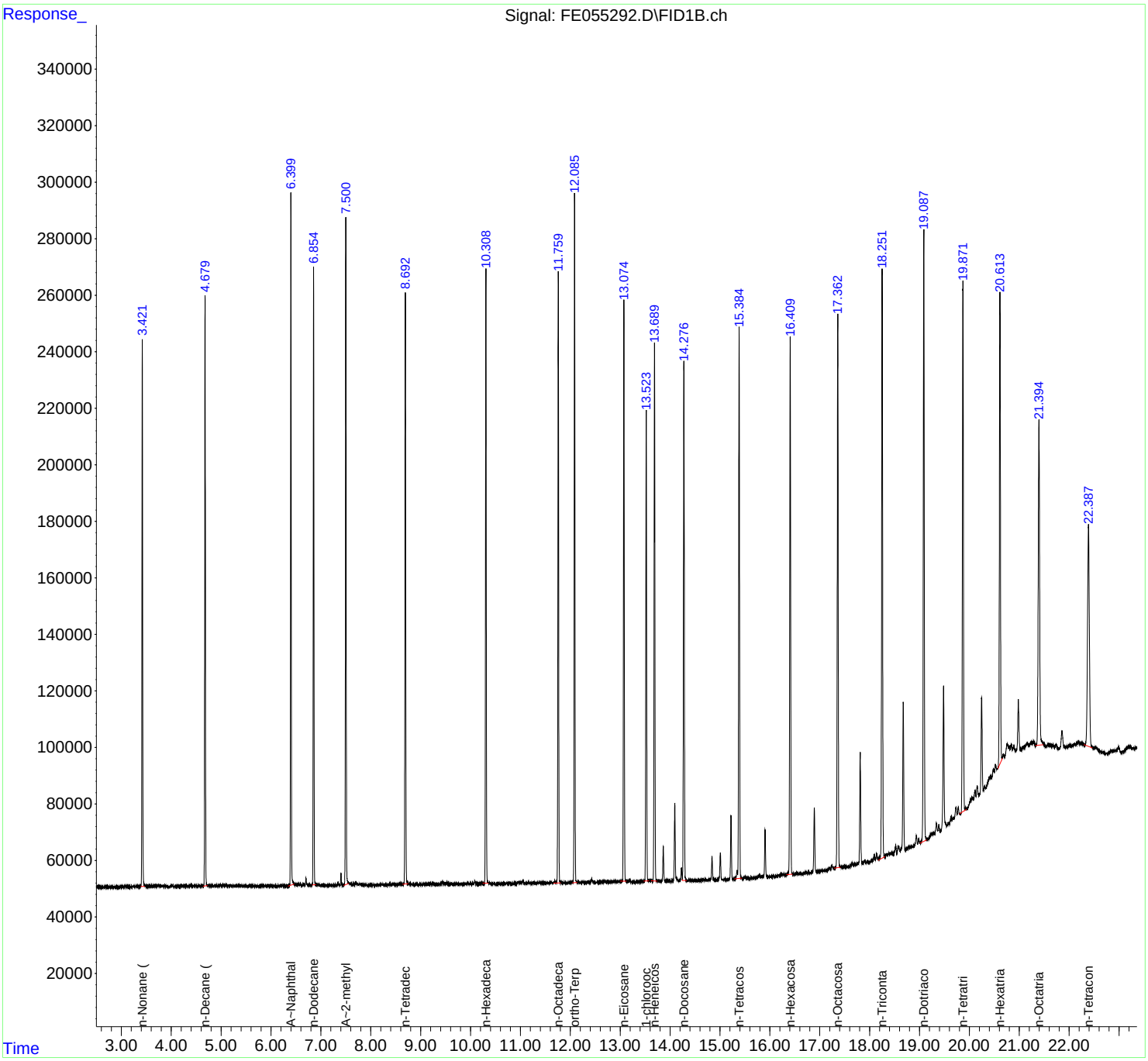
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081325AL\
Data File : FE055292.D
Signal(s) : FID1B.ch
Acq On : 13 Aug 2025 14:23
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: sample.E
Quant Time: Aug 13 15:23:32 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



QC SAMPLE DATA

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	11 Newman Ave Nutley	Date Received:	
Client Sample ID:	PB169208BL	SDG No.:	Q2757
Lab Sample ID:	PB169208BL	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
08/11/25 11:45	08/12/25 9:50	PB169208

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FE055247.D
Total EPH	Total EPH	0.91	U		0.91	4.00	mg/kg	

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

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

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

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:		
Project:	11 Newman Ave Nutley		Date Received:		
Client Sample ID:	PB169208BL		SDG No.:	Q2757	
Lab Sample ID:	PB169208BL		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
FE055247.D	1	08/11/25	08/12/25	PB169208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.1		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.7		40 - 140	87%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169208BL	Acq On:	12 Aug 2025 09:50
Client Sample ID:	PB169208BL	Operator:	YP\AJ
Data file:	FE055247.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	3.323	6.959	0	0	300	ug/ml
Aliphatic C12-C16	6.960	10.413	0	0	200	ug/ml
Aliphatic C16-C21	10.414	13.793	0	0	300	ug/ml
Aliphatic C21-C28	13.794	17.466	0	0	400	ug/ml
Aliphatic C28-C40	17.467	22.498	0	0	600	ug/ml
Aliphatic EPH	3.323	22.498	0	0		ug/ml
ortho-Terphenyl (SURR)	12.095	12.095	6245477	43.73		ug/ml
1-chlorooctadecane (SURR)	13.532	13.532	4847436	45.08		ug/ml
Aliphatic C9-C28	3.323	17.466	0	0	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055247.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 09:50
Operator : YP\AJ
Sample : PB169208BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169208BL

Integration File: autoint1.e
Quant Time: Aug 13 03:59:44 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)	12.095	6245477	43.735 ug/ml
Spiked Amount 50.000		Recovery =	87.47%
12) S 1-chlorooctadecane (S...	13.532	4847436	45.082 ug/ml
Spiked Amount 50.000		Recovery =	90.16%
Target Compounds			

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

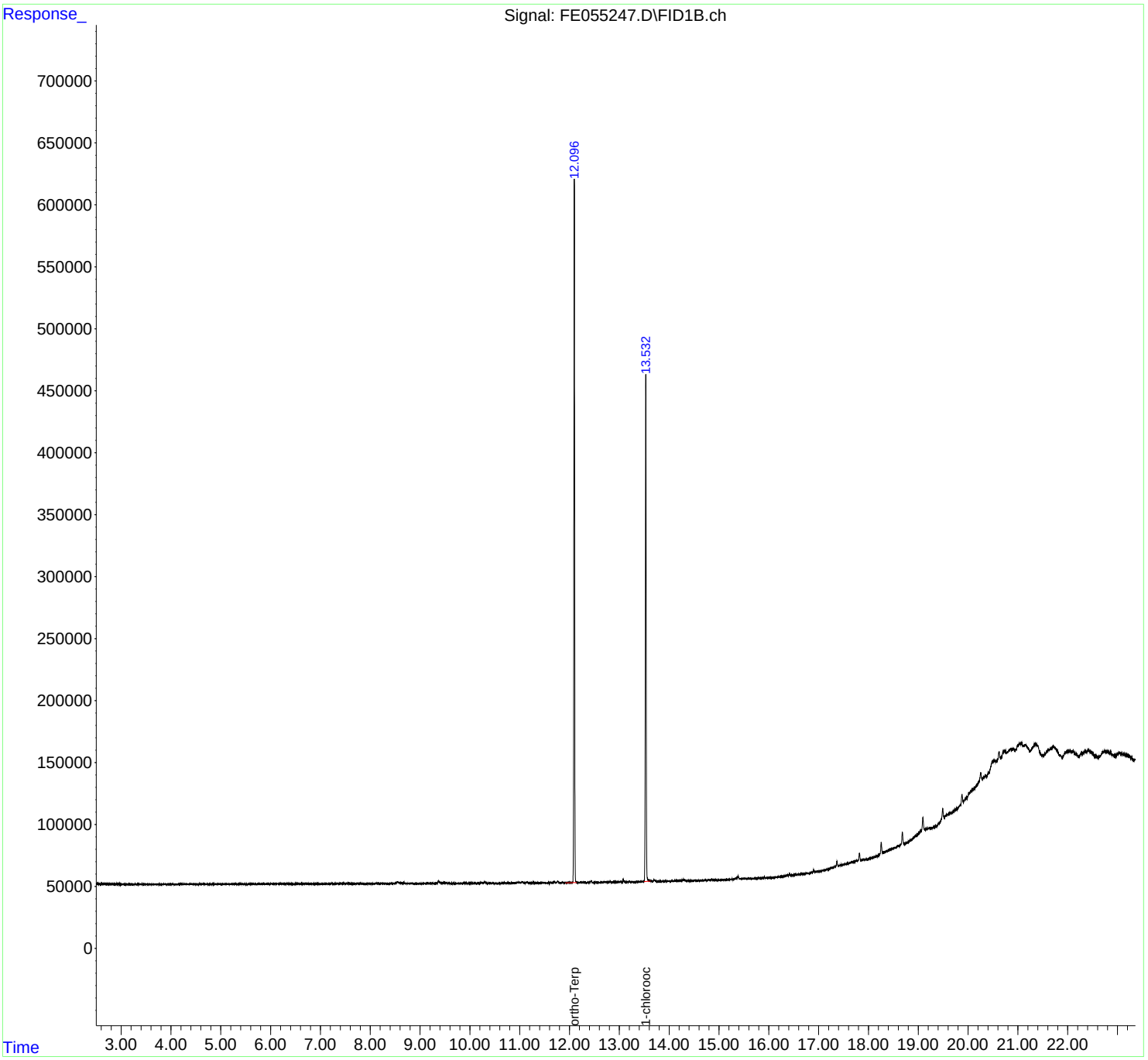
Quantitation Report (QT Reviewed)

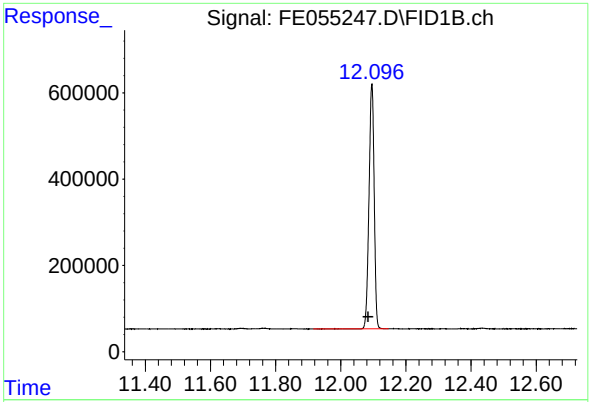
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055247.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 09:50
Operator : YP\AJ
Sample : PB169208BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169208BL

Integration File: autoint1.e
Quant Time: Aug 13 03:59:44 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

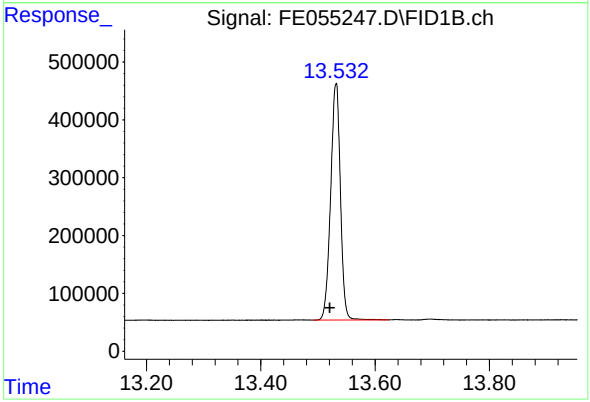




#9 ortho-Terphenyl (SURR)

R.T.: 12.095 min
Delta R.T.: 0.011 min
Response: 6245477
Conc: 43.73 ug/ml

Instrument :
FID_E
ClientSampleId :
PB169208BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.532 min
Delta R.T.: 0.011 min
Response: 4847436
Conc: 45.08 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055247.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 09:50
Sample : PB169208BL
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	12.095	11.915	12.147	BV	566913	6245477	100.00%	56.302%
2	13.532	13.492	13.624	PV	409714	4847436	77.62%	43.698%
			Sum of corrected areas:			11092913		

Aliphatic EPH 080125.M Wed Aug 13 06:02:21 2025

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Fax : 908 789 8922

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	11 Newman Ave Nutley	Date Received:	
Client Sample ID:	PB169208BS	SDG No.:	Q2757
Lab Sample ID:	PB169208BS	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
08/11/25 11:45	08/12/25 10:20	PB169208

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	78.6		1	0.91	3.99	mg/kg	FE055248.D
Total EPH	Total EPH	78.6			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:	Sciacca General Contractors, LLC	Date Collected:	
Project:	11 Newman Ave Nutley	Date Received:	
Client Sample ID:	PB169208BS	SDG No.:	Q2757
Lab Sample ID:	PB169208BS	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
FE055248.D	1	08/11/25	08/12/25	PB169208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	78.6		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.6		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.8		40 - 140	94%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.7		40 - 140	89%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169208BS	Acq On:	12 Aug 2025 10:20
Client Sample ID:	PB169208BS	Operator:	YP\AJ
Data file:	FE055248.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	3.323	6.959	25880440	221.612	300	ug/ml
Aliphatic C12-C16	6.960	10.413	33291959	265.853	200	ug/ml
Aliphatic C16-C21	10.414	13.793	37270921	294.853	300	ug/ml
Aliphatic C21-C28	13.794	17.466	47987629	398.219	400	ug/ml
Aliphatic C28-C40	17.467	22.498	43859570	384.776	600	ug/ml
Aliphatic EPH	3.323	22.498	188290519	1570		ug/ml
ortho-Terphenyl (SURR)	12.093	12.093	6382329	44.69		ug/ml
1-chlorooctadecane (SURR)	13.529	13.529	5030105	46.78		ug/ml
Aliphatic C9-C28	3.323	17.466	144430949	1180	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055248.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 10:20
Operator : YP\AJ
Sample : PB169208BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169208BS

Integration File: autoint1.e
Quant Time: Aug 13 04:00:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	12.093	6382329	44.693 ug/ml
Spiked Amount	50.000		Recovery =	89.39%
12) S	1-chlorooctadecane (S...	13.529	5030105	46.781 ug/ml
Spiked Amount	50.000		Recovery =	93.56%
	Target Compounds			
1) T	n-Nonane (C9)	3.437	4566494	39.788 ug/ml
2) T	n-Decane (C10)	4.690	4815941	41.340 ug/ml
3) T	A~Naphthalene (C11.7)	6.407	5866036	43.701 ug/ml
4) T	n-Dodecane (C12)	6.861	5097895	42.810 ug/ml
5) T	A~2-methylnaphthalene...	7.508	5403300	41.442 ug/ml
6) T	n-Tetradecane (C14)	8.699	5230236	42.657 ug/ml
7) T	n-Hexadecane (C16)	10.314	5276175	41.270 ug/ml
8) T	n-Octadecane (C18)	11.765	5218906	39.999 ug/ml
10) T	n-Eicosane (C20)	13.080	5277285	42.059 ug/ml
11) T	n-Heneicosane (C21)	13.695	5081413	41.223 ug/ml
13) T	n-Docosane (C22)	14.283	5037469	41.250 ug/ml
14) T	n-Tetracosane (C24)	15.393	10430922	85.757 ug/ml
15) T	n-Hexacosane (C26)	16.415	4935489	41.251 ug/ml
16) T	n-Octacosane (C28)	17.367	4926057	41.527 ug/ml
17) T	n-Tricontane (C30)	18.258	5024366	40.832 ug/ml
18) T	n-Dotriacontane (C32)	19.092	4997596	40.960 ug/ml
19) T	n-Tetratriacontane (C34)	19.877	4855680	41.530 ug/ml
20) T	n-Hexatriacontane (C36)	20.618	4077218	37.303 ug/ml
21) T	n-Octatriacontane (C38)	21.402	3408919	31.543 ug/ml
22) T	n-Tetracontane (C40)	22.396	2973780	28.437 ug/ml

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

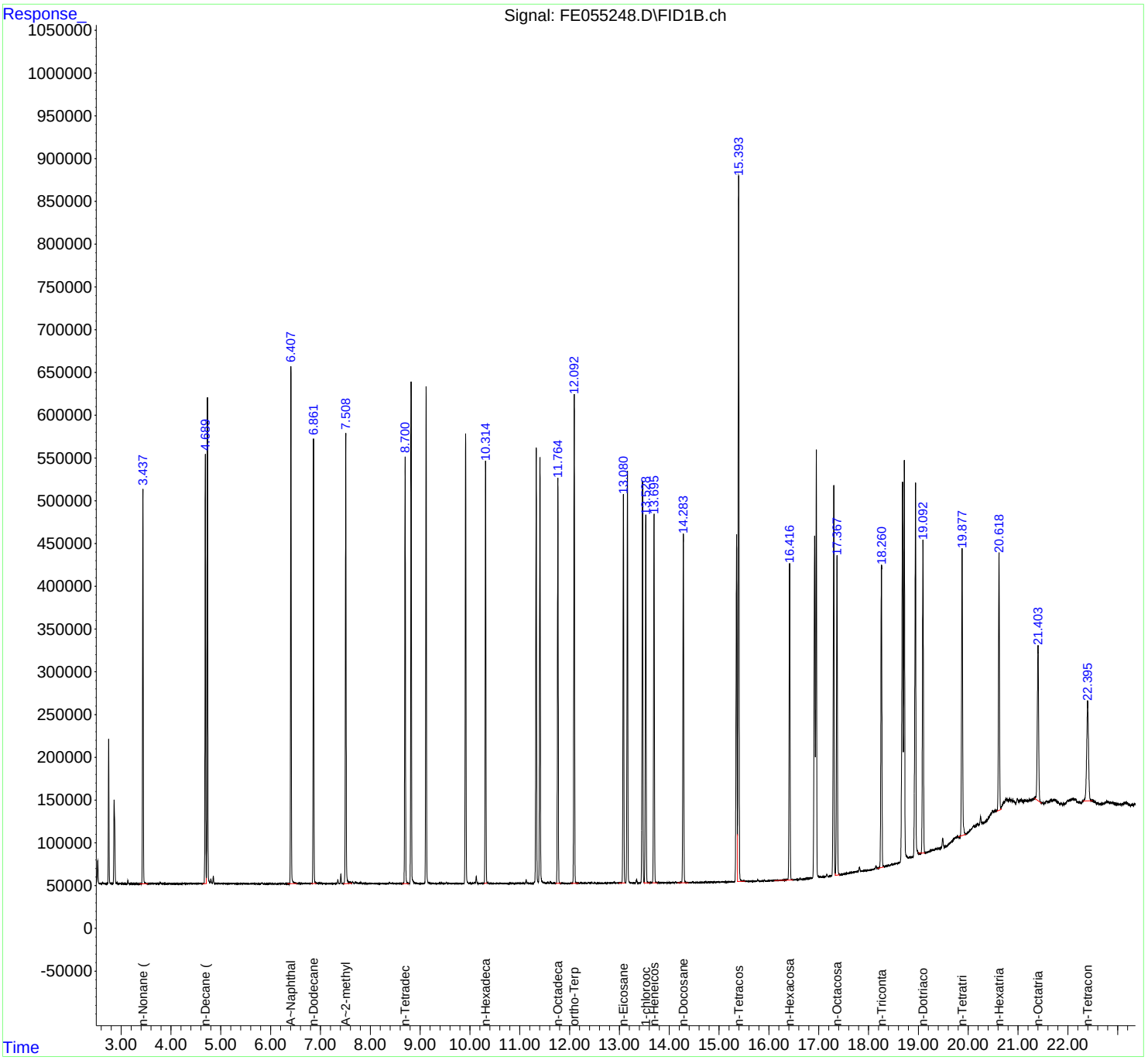
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055248.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 10:20
Operator : YP\AJ
Sample : PB169208BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169208BS

Integration File: autoint1.e
Quant Time: Aug 13 04:00:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055248.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 10:20
Sample : PB169208BS
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	3.437	3.370	3.539	BB	462339	4566494	43.78%	2.287%
2	4.690	4.632	4.710	BV	501552	4815941	46.17%	2.412%
3	4.732	4.710	4.783	VV	568408	5534074	53.05%	2.771%
4	6.407	6.342	6.535	BB	605517	5866036	56.24%	2.937%
5	6.861	6.807	6.922	BB	517398	5097895	48.87%	2.553%
6	7.508	7.455	7.627	BV	527787	5403300	51.80%	2.706%
7	8.699	8.637	8.775	BV	495686	5230236	50.14%	2.619%
8	8.819	8.775	8.960	VB	586329	5831486	55.91%	2.920%
9	9.120	9.054	9.214	BV	581999	5804396	55.65%	2.907%
10	9.913	9.792	10.019	BBA	526016	5746366	55.09%	2.877%
11	10.314	10.280	10.346	BV	493181	5276175	50.58%	2.642%
12	11.330	11.232	11.375	BV	508832	5473259	52.47%	2.741%
13	11.406	11.375	11.470	VBA	496494	5408368	51.85%	2.708%
14	11.765	11.714	11.827	PB	473701	5218906	50.03%	2.613%
15	12.093	12.030	12.182	BB	571301	6382329	61.19%	3.196%
16	13.080	12.980	13.121	BV	454924	5277285	50.59%	2.643%
17	13.161	13.121	13.230	VBA	484222	5385936	51.63%	2.697%
18	13.464	13.392	13.495	BV	467629	5425754	52.02%	2.717%
19	13.529	13.495	13.619	VB	429717	5030105	48.22%	2.519%
20	13.695	13.657	13.769	PB	432423	5081413	48.71%	2.544%
21	14.283	14.162	14.387	BB	408222	5037469	48.29%	2.522%
22	15.351	15.180	15.369	BV	405006	5340573	51.20%	2.674%
23	15.393	15.369	15.527	VB	822165	10430922	100.00%	5.223%
24	16.415	16.110	16.484	BB	368339	4935489	47.32%	2.471%
25	16.918	16.657	16.933	BV	398859	5733866	54.97%	2.871%

rteres

26	16.952	16.933	17.034	VB	498352	5740740	55.04%	2.875%
27	17.303	17.250	17.332	BV	457225	5842513	56.01%	2.926%
28	17.367	17.332	17.425	VV	372215	4926057	47.23%	2.467%
29	18.258	18.179	18.299	PV	351314	5024366	48.17%	2.516%
30	18.682	18.477	18.697	PV	439162	6545683	62.75%	3.278%
31	18.718	18.697	18.800	VV	466810	6155421	59.01%	3.082%
32	18.942	18.800	19.000	PBA	434531	5820907	55.80%	2.915%
33	19.092	19.000	19.130	BV	366156	4997596	47.91%	2.503%
34	19.877	19.800	19.959	BV	335652	4855680	46.55%	2.431%
35	20.618	20.570	20.655	BV	300176	4077218	39.09%	2.042%
36	21.402	21.330	21.473	BV	181403	3408919	32.68%	1.707%
37	22.396	22.300	22.499	BBA	116735	2973780	28.51%	1.489%

Sum of corrected areas: 199702952

Aliphatic EPH 080125.M Wed Aug 13 06:14:15 2025

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

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:		
Project:	11 Newman Ave Nutley		Date Received:		
Client Sample ID:	PB169208BSD		SDG No.:	Q2757	
Lab Sample ID:	PB169208BSD		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
08/11/25 11:45	08/12/25 10:51	PB169208

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	79.7		1	0.91	3.99	mg/kg	FE055249.D
Total EPH	Total EPH	79.7			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:	Sciacca General Contractors, LLC		Date Collected:		
Project:	11 Newman Ave Nutley		Date Received:		
Client Sample ID:	PB169208BSD		SDG No.:	Q2757	
Lab Sample ID:	PB169208BSD		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
FE055249.D	1	08/11/25	08/12/25	PB169208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	79.7		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.9		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.3		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.2		40 - 140	90%	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:	PB169208BSD	Acq On:	12 Aug 2025 10:51
Client Sample ID:	PB169208BSD	Operator:	YP\AJ
Data file:	FE055249.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	3.323	6.959	26370005	225.804	300	ug/ml
Aliphatic C12-C16	6.960	10.413	33786920	269.805	200	ug/ml
Aliphatic C16-C21	10.414	13.793	37693616	298.197	300	ug/ml
Aliphatic C21-C28	13.794	17.466	48443048	401.998	400	ug/ml
Aliphatic C28-C40	17.467	22.498	44287147	388.527	600	ug/ml
Aliphatic EPH	3.323	22.498	190580736	1580		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	6459654	45.23		ug/ml
1-chlorooctadecane (SURR)	13.528	13.528	5083080	47.27		ug/ml
Aliphatic C9-C28	3.323	17.466	146293589	1200	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055249.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 10:51
Operator : YP\AJ
Sample : PB169208BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169208BSD

Integration File: autoint1.e
Quant Time: Aug 13 04:00:35 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)	12.092	6459654	45.234 ug/ml
Spiked Amount	50.000		Recovery =	90.47%
12) S	1-chlorooctadecane (S...	13.528	5083080	47.274 ug/ml
Spiked Amount	50.000		Recovery =	94.55%
	Target Compounds			
1) T	n-Nonane (C9)	3.437	4662136	40.622 ug/ml
2) T	n-Decane (C10)	4.690	4910721	42.154 ug/ml
3) T	A~Naphthalene (C11.7)	6.406	5975783	44.519 ug/ml
4) T	n-Dodecane (C12)	6.860	5191485	43.596 ug/ml
5) T	A~2-methylnaphthalene...	7.507	5499945	42.183 ug/ml
6) T	n-Tetradecane (C14)	8.699	5310094	43.309 ug/ml
7) T	n-Hexadecane (C16)	10.313	5349620	41.845 ug/ml
8) T	n-Octadecane (C18)	11.764	5289798	40.543 ug/ml
10) T	n-Eicosane (C20)	13.080	5340924	42.567 ug/ml
11) T	n-Heneicosane (C21)	13.694	5138033	41.682 ug/ml
13) T	n-Docosane (C22)	14.282	5073433	41.545 ug/ml
14) T	n-Tetracosane (C24)	15.392	10556719	86.791 ug/ml
15) T	n-Hexacosane (C26)	16.415	4968478	41.527 ug/ml
16) T	n-Octacosane (C28)	17.365	4969017	41.889 ug/ml
17) T	n-Tricontane (C30)	18.258	5049044	41.033 ug/ml
18) T	n-Dotriacontane (C32)	19.090	4952044	40.587 ug/ml
19) T	n-Tetratriacontane (C34)	19.876	4869394	41.647 ug/ml
20) T	n-Hexatriacontane (C36)	20.617	4096705	37.482 ug/ml
21) T	n-Octatriacontane (C38)	21.399	3449867	31.922 ug/ml
22) T	n-Tetracontane (C40)	22.396	3130141	29.932 ug/ml

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

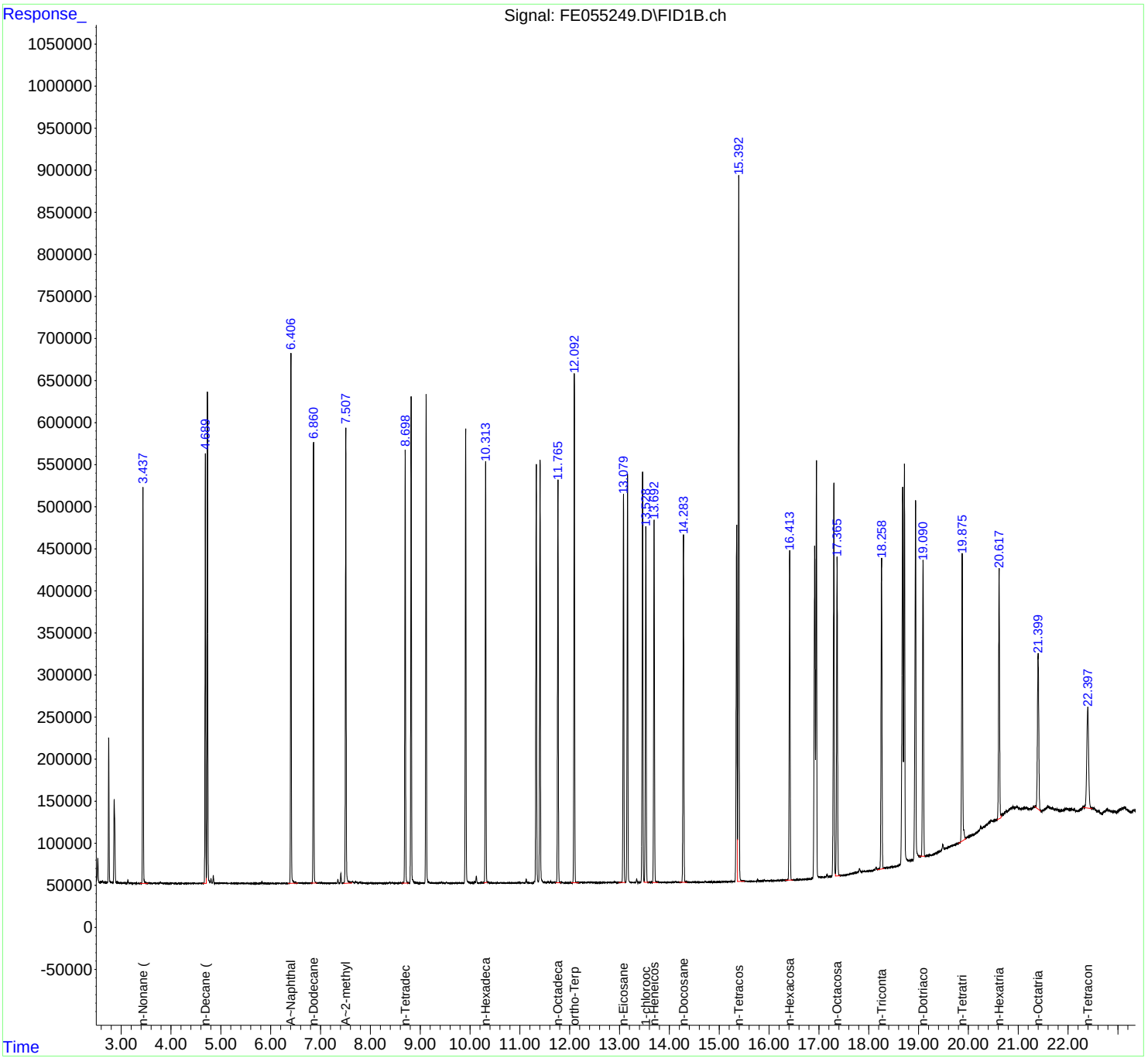
Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055249.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 10:51
Operator : YP\AJ
Sample : PB169208BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169208BSD

Integration File: autoint1.e
Quant Time: Aug 13 04:00:35 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\FE081225AL\
Data File : FE055249.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 10:51
Sample : PB169208BSD
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	3.437	3.373	3.540	BB	470814	4662136	44.16%	2.307%
2	4.690	4.632	4.710	BV	511806	4910721	46.52%	2.430%
3	4.731	4.710	4.783	VV	583805	5629880	53.33%	2.785%
4	6.406	6.352	6.547	BB	630718	5975783	56.61%	2.957%
5	6.860	6.798	6.932	BV	524076	5191485	49.18%	2.568%
6	7.507	7.463	7.630	BV	536569	5499945	52.10%	2.721%
7	8.699	8.632	8.770	BV	514745	5310094	50.30%	2.627%
8	8.818	8.770	8.965	VB	579916	5912223	56.00%	2.925%
9	9.119	9.052	9.220	BV	578527	5891255	55.81%	2.915%
10	9.913	9.845	10.012	BB	540213	5823783	55.17%	2.881%
11	10.313	10.270	10.346	BV	501760	5349620	50.68%	2.647%
12	11.329	11.212	11.371	BV	494527	5534229	52.42%	2.738%
13	11.405	11.371	11.470	VBA	501752	5484601	51.95%	2.713%
14	11.764	11.717	11.822	PV	482506	5289798	50.11%	2.617%
15	12.092	12.028	12.185	BB	604541	6459654	61.19%	3.196%
16	13.080	12.980	13.121	BV	461857	5340924	50.59%	2.642%
17	13.161	13.121	13.230	PBA	488295	5431861	51.45%	2.687%
18	13.463	13.393	13.493	BV	489467	5474170	51.85%	2.708%
19	13.528	13.493	13.590	VB	422412	5083080	48.15%	2.515%
20	13.694	13.657	13.768	BB	429566	5138033	48.67%	2.542%
21	14.282	14.197	14.357	BB	410959	5073433	48.06%	2.510%
22	15.350	15.180	15.367	BV	423052	5414442	51.29%	2.679%
23	15.392	15.367	15.512	VB	839920	10556719	100.00%	5.223%
24	16.415	16.322	16.483	BB	382583	4968478	47.06%	2.458%
25	16.916	16.655	16.933	BV	384394	5742171	54.39%	2.841%

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26	16.951	16.933	17.020	VB	494836	5809185	55.03%	2.874%
27	17.301	17.250	17.331	BV	467546	5909603	55.98%	2.924%
28	17.365	17.331	17.427	VB	378724	4969017	47.07%	2.458%
29	18.258	18.172	18.303	VV	367467	5049044	47.83%	2.498%
30	18.681	18.483	18.696	PV	441701	6636001	62.86%	3.283%
31	18.716	18.696	18.807	VV	473424	6233123	59.04%	3.084%
32	18.940	18.807	19.000	PBA	424481	5870828	55.61%	2.905%
33	19.090	19.012	19.131	BV	351818	4952044	46.91%	2.450%
34	19.876	19.800	19.947	BV	341141	4869394	46.13%	2.409%
35	20.617	20.570	20.653	BV	297819	4096705	38.81%	2.027%
36	21.399	21.330	21.455	BV	185275	3449867	32.68%	1.707%
37	22.396	22.300	22.492	BV	119878	3130141	29.65%	1.549%

Sum of corrected areas: 202123469

Aliphatic EPH 080125.M Wed Aug 13 06:19:25 2025

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

Report of Analysis

Client:	Sciacca General Contractors, LLC			Date Collected:	
Project:	11 Newman Ave Nutley			Date Received:	
Client Sample ID:	5MS			SDG No.:	Q2757
Lab Sample ID:	Q2757-07MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	81.2
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_F2
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
08/11/25 11:45	08/12/25 15:26	PB169208

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	146	E	1	1.12	4.92	mg/kg	FE055257.D
Total EPH	Total EPH	146			1.12	4.92	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:	Sciacca General Contractors, LLC		Date Collected:		
Project:	11 Newman Ave Nutley		Date Received:		
Client Sample ID:	5MS		SDG No.:	Q2757	
Lab Sample ID:	Q2757-07MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	81.2	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055257.D	1	08/11/25	08/12/25	PB169208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	146	E	1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	123	E	1.45	2.46	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.6		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.7		40 - 140	77%	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:	Q2757-07MS	Acq On:	12 Aug 2025 15:26
Client Sample ID:	Q2757-07MS	Operator:	YP\AJ
Data file:	FE055257.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.959	27955588	239.381	300	ug/ml
Aliphatic C12-C16	6.960	10.413	38888924	310.547	200	ug/ml
Aliphatic C16-C21	10.414	13.793	44902922	355.231	300	ug/ml
Aliphatic C21-C28	13.794	17.466	106134316	880.741	400	ug/ml
Aliphatic C28-C40	17.467	22.498	171654065	1510	600	ug/ml
Aliphatic EPH	3.323	22.498	389535815	3290		ug/ml
ortho-Terphenyl (SURR)	12.089	12.089	5523659	38.68		ug/ml
1-chlorooctadecane (SURR)	13.525	13.525	4470933	41.58		ug/ml
Aliphatic C9-C28	3.323	17.466	217881750	1790	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055257.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 15:26
Operator : YP\AJ
Sample : Q2757-07MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

Integration File: autoint1.e
Quant Time: Aug 13 04:03:50 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)	12.089	5523659	38.680 ug/ml
Spiked Amount	50.000		Recovery =	77.36%
12) S	1-chlorooctadecane (S...	13.525	4470933	41.581 ug/ml
Spiked Amount	50.000		Recovery =	83.16%
	Target Compounds			
1) T	n-Nonane (C9)	3.434	4650580	40.521 ug/ml
2) T	n-Decane (C10)	4.687	4890455	41.980 ug/ml
3) T	A~Naphthalene (C11.7)	6.404	6140685	45.747 ug/ml
4) T	n-Dodecane (C12)	6.859	5250133	44.088 ug/ml
5) T	A~2-methylnaphthalene...	7.505	5794252	44.440 ug/ml
6) T	n-Tetradecane (C14)	8.697	5495113	44.818 ug/ml
7) T	n-Hexadecane (C16)	10.312	5706173	44.634 ug/ml
8) T	n-Octadecane (C18)	11.762	5831338	44.693 ug/ml
10) T	n-Eicosane (C20)	13.078	6017459	47.959 ug/ml
11) T	n-Heneicosane (C21)	13.692	5773777	46.839 ug/ml
13) T	n-Docosane (C22)	14.281	5778919	47.322 ug/ml
14) T	n-Tetracosane (C24)	15.392	11759399	96.679 ug/ml
15) T	n-Hexacosane (C26)	16.415	5632116	47.073 ug/ml
16) T	n-Octacosane (C28)	17.368	5589953	47.123 ug/ml
17) T	n-Tricontane (C30)	18.260	5651166	45.926 ug/mlm
18) T	n-Dotriacontane (C32)	19.092	5838559	47.853 ug/mlm
19) T	n-Tetratriacontane (C34)	19.880	6117656	52.324 ug/mlm
20) T	n-Hexatriacontane (C36)	20.620	5926229	54.220 ug/ml
21) T	n-Octatriacontane (C38)	21.403	6203713	57.404 ug/mlm
22) T	n-Tetracontane (C40)	22.398	6232112	59.595 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055257.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 15:26
Operator : YP\AJ
Sample : Q2757-07MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

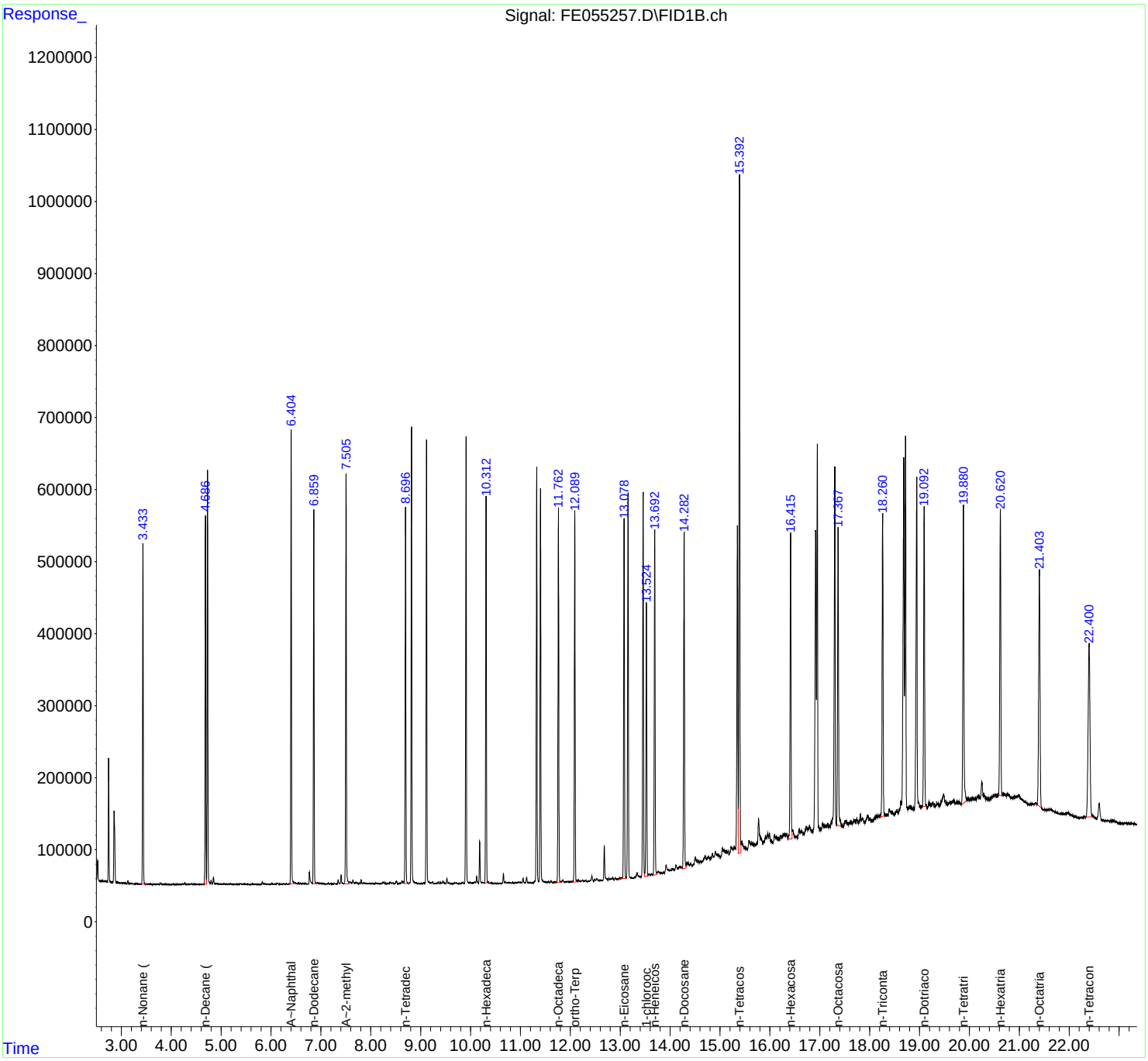
Instrument :
FID_E
ClientSampleId :
5MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

Integration File: autoint1.e
Quant Time: Aug 13 04:03:50 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



Instrument :
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Area Percent

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Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Da
Data File : FE055257.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 15:26
Sample : Q2757-07MS
Misc :
ALS Vial : 22 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	2.856	2.804	2.898	BV	99323	1406113	11.45%	0.351%
2	2.914	2.898	2.965	VV	1213	15219	0.12%	0.004%
3	2.978	2.965	3.031	PV	165	4441	0.04%	0.001%
4	3.047	3.031	3.061	PV	578	5534	0.05%	0.001%
5	3.072	3.061	3.105	VV	412	6055	0.05%	0.002%
6	3.132	3.105	3.158	VV	4211	39192	0.32%	0.010%
7	3.168	3.158	3.195	VV	407	3449	0.03%	0.001%
8	3.220	3.195	3.271	VV	249	5378	0.04%	0.001%
9	3.303	3.271	3.371	PV	418	9865	0.08%	0.002%
10	3.376	3.371	3.392	VV	116	687	0.01%	0.000%
11	3.434	3.392	3.538	PV	472851	4656937	37.92%	1.161%
12	3.551	3.538	3.566	PV	209	2863	0.02%	0.001%
13	3.581	3.566	3.602	VV	367	4628	0.04%	0.001%
14	3.611	3.602	3.631	VV	272	3183	0.03%	0.001%
15	3.646	3.631	3.701	VV	325	8787	0.07%	0.002%
16	3.781	3.701	3.842	PV	2655	40732	0.33%	0.010%
17	3.879	3.842	3.905	VV	322	6915	0.06%	0.002%
18	3.917	3.905	3.974	VV	178	3229	0.03%	0.001%
19	4.020	3.974	4.061	VV	615	10054	0.08%	0.003%
20	4.120	4.061	4.184	PV	612	12221	0.10%	0.003%
21	4.222	4.184	4.244	VV	1119	15893	0.13%	0.004%
22	4.274	4.244	4.318	VV	3016	39994	0.33%	0.010%
23	4.334	4.318	4.370	VV	449	8362	0.07%	0.002%
24	4.382	4.370	4.389	VV	222	1844	0.02%	0.000%
25	4.412	4.389	4.436	VV	1464	19261	0.16%	0.005%

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26	4.453	4.436	4.564	VV	738	22240	0.18%	0.006%
27	4.575	4.564	4.600	VV	168			
28	4.629	4.600	4.648	VV	385			
29	4.687	4.648	4.707	VV	511771	4		
30	4.728	4.707	4.781	VV	571961	5		
31	4.799	4.781	4.823	VV	5792	68585	0.56%	0.017%
32	4.847	4.823	4.955	VV	10669	177468	1.44%	0.044%
33	4.970	4.955	4.985	VV	961	13819	0.11%	0.003%
34	4.998	4.985	5.037	VV	745	17616	0.14%	0.004%
35	5.059	5.037	5.069	VV	830	12169	0.10%	0.003%
36	5.073	5.069	5.091	VV	667	7632	0.06%	0.002%
37	5.104	5.091	5.122	VV	838	11351	0.09%	0.003%
38	5.146	5.122	5.170	VV	685	14687	0.12%	0.004%
39	5.189	5.170	5.254	VV	914	22980	0.19%	0.006%
40	5.270	5.254	5.331	VV	449	14188	0.12%	0.004%
41	5.341	5.331	5.371	VV	388	6479	0.05%	0.002%
42	5.392	5.371	5.427	VV	1362	24565	0.20%	0.006%
43	5.448	5.427	5.461	VV	684	9173	0.07%	0.002%
44	5.477	5.461	5.493	VV	1025	11064	0.09%	0.003%
45	5.503	5.493	5.523	VV	432	5004	0.04%	0.001%
46	5.535	5.523	5.554	VV	245	2125	0.02%	0.001%
47	5.578	5.554	5.597	VV	105	1036	0.01%	0.000%
48	5.628	5.597	5.656	PV	967	11934	0.10%	0.003%
49	5.680	5.656	5.692	VV	345	5061	0.04%	0.001%
50	5.699	5.692	5.723	VV	305	3405	0.03%	0.001%
51	5.742	5.723	5.757	PV	102	980	0.01%	0.000%
52	5.823	5.757	5.842	PV	3410	34807	0.28%	0.009%
53	5.858	5.842	5.875	VV	1799	20035	0.16%	0.005%
54	5.890	5.875	5.913	VV	720	11030	0.09%	0.003%
55	5.935	5.913	5.974	VV	780	10250	0.08%	0.003%
56	5.982	5.974	5.991	VV	146	866	0.01%	0.000%
57	6.021	5.991	6.042	PV	1124	16181	0.13%	0.004%
58	6.051	6.042	6.074	VV	487	6941	0.06%	0.002%
59	6.122	6.074	6.165	VV	1685	39567	0.32%	0.010%
60	6.183	6.165	6.204	VV	628	9341	0.08%	0.002%
61	6.217	6.204	6.233	VV	661	6507	0.05%	0.002%
62	6.253	6.233	6.288	VV	913	15400	0.13%	0.004%
63	6.307	6.288	6.328	VV	672	8361	0.07%	0.002%
64	6.363	6.328	6.374	VV	626	11440	0.09%	0.003%
65	6.404	6.374	6.489	VV	629896	6204342	50.52%	1.547%
66	6.498	6.489	6.524	VV	1879	28380	0.23%	0.007%
67	6.553	6.524	6.578	VV	1483	39337	0.32%	0.010%
68	6.589	6.578	6.616	VV	1011	17270	0.14%	0.004%
69	6.632	6.616	6.651	VV	1197	17159	0.14%	0.004%

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70	6.693	6.651	6.731	VV	1697	42796	0.35%	0.011%
71	6.770	6.731	6.826	VV	15531			
72	6.859	6.826	6.918	VV	521237	5		
73	6.933	6.918	6.961	VV	1888			
74	6.975	6.961	6.995	VV	1457			
75	7.010	6.995	7.035	VV	2047	27766	0.23%	0.007%
76	7.063	7.035	7.079	VV	986	16949	0.14%	0.004%
77	7.086	7.079	7.099	VV	383	3692	0.03%	0.001%
78	7.116	7.099	7.126	VV	408	4877	0.04%	0.001%
79	7.148	7.126	7.171	VV	1599	19683	0.16%	0.005%
80	7.189	7.171	7.238	VV	751	17168	0.14%	0.004%
81	7.273	7.238	7.299	VV	1178	21685	0.18%	0.005%
82	7.346	7.299	7.384	VV	6144	88510	0.72%	0.022%
83	7.407	7.384	7.428	VV	12646	137866	1.12%	0.034%
84	7.437	7.428	7.464	VV	1579	20495	0.17%	0.005%
85	7.505	7.464	7.565	VV	568796	5814408	47.34%	1.450%
86	7.582	7.565	7.622	VV	3131	75120	0.61%	0.019%
87	7.643	7.622	7.684	VV	5860	95781	0.78%	0.024%
88	7.700	7.684	7.752	VV	2945	64201	0.52%	0.016%
89	7.776	7.752	7.788	VV	1429	21739	0.18%	0.005%
90	7.808	7.788	7.836	VV	5938	70488	0.57%	0.018%
91	7.862	7.836	7.885	VV	2082	33117	0.27%	0.008%
92	7.900	7.885	7.958	VV	1008	22925	0.19%	0.006%
93	7.988	7.958	8.013	VV	1501	23313	0.19%	0.006%
94	8.040	8.013	8.059	VV	706	13779	0.11%	0.003%
95	8.100	8.059	8.125	VV	1920	27427	0.22%	0.007%
96	8.150	8.125	8.174	VV	649	13772	0.11%	0.003%
97	8.181	8.174	8.194	VV	438	3835	0.03%	0.001%
98	8.239	8.194	8.253	VV	1610	30439	0.25%	0.008%
99	8.270	8.253	8.324	VV	2792	46486	0.38%	0.012%
100	8.342	8.324	8.362	VV	841	12471	0.10%	0.003%
101	8.386	8.362	8.424	VV	2537	50311	0.41%	0.013%
102	8.442	8.424	8.484	VV	1715	32699	0.27%	0.008%
103	8.514	8.484	8.541	VV	3245	64138	0.52%	0.016%
104	8.550	8.541	8.568	VV	654	8772	0.07%	0.002%
105	8.626	8.568	8.641	VV	4434	74144	0.60%	0.018%
106	8.655	8.641	8.666	VV	3182	33427	0.27%	0.008%
107	8.697	8.666	8.764	VV	523757	5522667	44.97%	1.377%
108	8.816	8.764	8.893	VV	636447	6426097	52.32%	1.602%
109	8.906	8.893	8.985	VV	1449	37651	0.31%	0.009%
110	9.018	8.985	9.041	VV	501	12660	0.10%	0.003%
111	9.064	9.041	9.083	VV	1146	17448	0.14%	0.004%
112	9.117	9.083	9.158	VV	620275	6332207	51.56%	1.579%

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113	9.167	9.158	9.216	VV	2795	59089	0.48%	0.015%
114	9.236	9.216	9.263	VV	2800			
115	9.284	9.263	9.316	VV	644			
116	9.353	9.316	9.372	VV	2011			
117	9.389	9.372	9.408	VV	1994			
118	9.450	9.408	9.494	VV	2809	71395	0.58%	0.018%
119	9.526	9.494	9.551	VV	7334	87603	0.71%	0.022%
120	9.567	9.551	9.592	VV	1896	22830	0.19%	0.006%
121	9.608	9.592	9.640	VV	443	6944	0.06%	0.002%
122	9.684	9.640	9.701	VV	1309	21476	0.17%	0.005%
123	9.716	9.701	9.743	VV	1263	15271	0.12%	0.004%
124	9.769	9.743	9.780	VV	252	3377	0.03%	0.001%
125	9.824	9.780	9.839	VV	1314	21228	0.17%	0.005%
126	9.854	9.839	9.878	VV	1160	16836	0.14%	0.004%
127	9.911	9.878	9.968	VV	623104	6394419	52.06%	1.594%
128	9.989	9.968	10.018	VV	2277	38345	0.31%	0.010%
129	10.031	10.018	10.045	VV	950	12663	0.10%	0.003%
130	10.088	10.045	10.102	VV	2891	50191	0.41%	0.013%
131	10.123	10.102	10.161	VV	10021	128315	1.04%	0.032%
132	10.184	10.161	10.219	VV	58475	645725	5.26%	0.161%
133	10.241	10.219	10.278	VV	1812	44310	0.36%	0.011%
134	10.312	10.278	10.344	VV	533915	5744770	46.78%	1.432%
135	10.355	10.344	10.387	VV	2000	30536	0.25%	0.008%
136	10.416	10.387	10.464	VV	1072	23061	0.19%	0.006%
137	10.493	10.464	10.518	VV	427	7210	0.06%	0.002%
138	10.536	10.518	10.556	VV	361	3506	0.03%	0.001%
139	10.598	10.556	10.627	PV	530	8314	0.07%	0.002%
140	10.660	10.627	10.684	VV	13738	150833	1.23%	0.038%
141	10.701	10.684	10.723	VV	2124	29459	0.24%	0.007%
142	10.761	10.723	10.778	VV	1262	28870	0.24%	0.007%
143	10.792	10.778	10.818	VV	1341	18503	0.15%	0.005%
144	10.839	10.818	10.879	PV	1481	23387	0.19%	0.006%
145	10.921	10.879	10.944	VV	965	23188	0.19%	0.006%
146	10.969	10.944	10.994	VV	1922	37400	0.30%	0.009%
147	11.009	10.994	11.027	VV	1723	24047	0.20%	0.006%
148	11.053	11.027	11.098	VV	7183	98648	0.80%	0.025%
149	11.125	11.098	11.151	VV	8342	105018	0.86%	0.026%
150	11.160	11.151	11.237	VV	864	19923	0.16%	0.005%
151	11.326	11.237	11.371	PV	580136	6268800	51.04%	1.563%
152	11.402	11.371	11.494	VV	547129	6165311	50.20%	1.537%
153	11.508	11.494	11.542	VV	1255	20948	0.17%	0.005%
154	11.563	11.542	11.590	VV	2265	30272	0.25%	0.008%
155	11.612	11.590	11.651	VV	3027	39150	0.32%	0.010%

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156	11.688	11.651	11.709	PV	1007	14836	0.12%	0.004%
157	11.762	11.709	11.818	VV	516257	5		
158	11.850	11.818	11.881	VV	3102			
159	11.893	11.881	11.903	VV	426			
160	11.922	11.903	11.941	VV	979			
161	11.954	11.941	11.993	VV	1250	17561	0.14%	0.004%
162	12.021	11.993	12.038	PV	1183	16856	0.14%	0.004%
163	12.089	12.038	12.144	VV	513841	5552093	45.21%	1.384%
164	12.161	12.144	12.181	VV	3551	49595	0.40%	0.012%
165	12.192	12.181	12.209	VV	1542	19156	0.16%	0.005%
166	12.246	12.209	12.264	VV	2245	40948	0.33%	0.010%
167	12.279	12.264	12.295	VV	1703	18199	0.15%	0.005%
168	12.312	12.295	12.348	VV	1970	24128	0.20%	0.006%
169	12.377	12.348	12.388	PV	886	13666	0.11%	0.003%
170	12.432	12.388	12.464	VV	7674	124675	1.02%	0.031%
171	12.490	12.464	12.508	VV	2635	40947	0.33%	0.010%
172	12.530	12.508	12.556	VV	3402	55796	0.45%	0.014%
173	12.564	12.556	12.576	VV	849	8536	0.07%	0.002%
174	12.596	12.576	12.618	VV	965	15116	0.12%	0.004%
175	12.630	12.618	12.643	VV	243	2625	0.02%	0.001%
176	12.681	12.643	12.754	PV	48880	610596	4.97%	0.152%
177	12.772	12.754	12.788	VV	2193	25513	0.21%	0.006%
178	12.813	12.788	12.830	VV	2023	33296	0.27%	0.008%
179	12.848	12.830	12.877	VV	3392	43894	0.36%	0.011%
180	12.900	12.877	12.932	VV	2775	38884	0.32%	0.010%
181	13.078	12.932	13.120	VV	498186	6060927	49.35%	1.511%
182	13.158	13.120	13.211	VV	538271	6147316	50.05%	1.533%
183	13.225	13.211	13.270	VV	1035	16092	0.13%	0.004%
184	13.296	13.270	13.306	PV	1258	13766	0.11%	0.003%
185	13.340	13.306	13.384	VV	7420	149556	1.22%	0.037%
186	13.400	13.384	13.418	VV	1682	19468	0.16%	0.005%
187	13.460	13.418	13.490	VV	539357	6142328	50.01%	1.531%
188	13.525	13.490	13.558	VV	380140	4484989	36.52%	1.118%
189	13.575	13.558	13.599	VV	3361	59071	0.48%	0.015%
190	13.624	13.599	13.650	VV	2694	60406	0.49%	0.015%
191	13.692	13.650	13.734	VV	479386	5815927	47.35%	1.450%
192	13.763	13.734	13.810	VV	4826	164436	1.34%	0.041%
193	13.824	13.810	13.844	VV	2814	45089	0.37%	0.011%
194	13.862	13.844	13.888	VV	2690	55861	0.45%	0.014%
195	13.921	13.888	13.985	VV	12555	381792	3.11%	0.095%
196	13.999	13.985	14.015	VV	5446	82817	0.67%	0.021%
197	14.040	14.015	14.058	VV	6974	133241	1.08%	0.033%
198	14.070	14.058	14.088	VV	5538	89367	0.73%	0.022%
199	14.119	14.088	14.160	VV	10834	305354	2.49%	0.076%

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200	14.195	14.160	14.239	VV	8166	324659	2.64%	0.081%
201	14.281	14.239	14.318	VV	469838	5		
202	14.341	14.318	14.357	VV	12473			
203	14.368	14.357	14.388	VV	10921			
204	14.413	14.388	14.448	VV	11002			
205	14.505	14.448	14.562	VV	17305	817104	6.65%	0.204%
206	14.576	14.562	14.594	VV	12860	224097	1.82%	0.056%
207	14.611	14.594	14.631	VV	12416	241504	1.97%	0.060%
208	14.645	14.631	14.658	VV	11579	170038	1.38%	0.042%
209	14.702	14.658	14.734	VV	17419	676692	5.51%	0.169%
210	14.771	14.734	14.800	VV	15679	573781	4.67%	0.143%
211	14.816	14.800	14.825	VV	14649	206085	1.68%	0.051%
212	14.849	14.825	14.874	VV	20166	498300	4.06%	0.124%
213	14.907	14.874	14.936	VV	21824	688260	5.60%	0.172%
214	14.950	14.936	15.004	VV	18398	662889	5.40%	0.165%
215	15.049	15.004	15.085	VV	25508	970785	7.90%	0.242%
216	15.095	15.085	15.114	VV	21981	359920	2.93%	0.090%
217	15.127	15.114	15.147	VV	21491	399017	3.25%	0.099%
218	15.163	15.147	15.181	VV	20385	378703	3.08%	0.094%
219	15.223	15.181	15.260	VV	25777	1027013	8.36%	0.256%
220	15.278	15.260	15.304	VV	25189	626593	5.10%	0.156%
221	15.349	15.304	15.367	VV	467161	6717010	54.69%	1.675%
222	15.392	15.367	15.421	VV	954073	12281691	100.00%	3.062%
223	15.438	15.421	15.546	VV	32481	1858316	15.13%	0.463%
224	15.583	15.546	15.615	VV	31865	1088842	8.87%	0.271%
225	15.633	15.615	15.671	VV	28879	897558	7.31%	0.224%
226	15.692	15.671	15.711	VV	26049	597221	4.86%	0.149%
227	15.774	15.711	15.863	VV	60457	3081244	25.09%	0.768%
228	15.876	15.863	15.890	VV	27535	433212	3.53%	0.108%
229	15.913	15.890	15.933	VV	34458	825136	6.72%	0.206%
230	15.957	15.933	15.975	VV	38447	883844	7.20%	0.220%
231	15.992	15.975	16.032	VV	38065	1054274	8.58%	0.263%
232	16.042	16.032	16.064	VV	25911	482615	3.93%	0.120%
233	16.094	16.064	16.116	VV	35167	950786	7.74%	0.237%
234	16.131	16.116	16.188	VV	32040	1290348	10.51%	0.322%
235	16.221	16.188	16.254	VV	31993	1206136	9.82%	0.301%
236	16.304	16.254	16.321	VV	33972	1312054	10.68%	0.327%
237	16.335	16.321	16.364	VV	32742	799752	6.51%	0.199%
238	16.415	16.364	16.444	VV	449348	6923504	56.37%	1.726%
239	16.454	16.444	16.499	VV	38736	1112628	9.06%	0.277%
240	16.523	16.499	16.555	VV	29953	955643	7.78%	0.238%
241	16.588	16.555	16.609	VV	37407	1103129	8.98%	0.275%
242	16.621	16.609	16.634	VV	34897	503489	4.10%	0.126%

Instrument :
FID_E
ClientSampleId :
5MS

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

243	16.644	16.634	16.688	VV	34873	1059212	8.62%	0.264%
244	16.728	16.688	16.748	VV	40511	1		
245	16.795	16.748	16.839	VV	42646	2		
246	16.849	16.839	16.860	VV	33185			
247	16.918	16.860	16.934	VV	451191	8		
248	16.951	16.934	17.002	VV	570755	7719636	62.85%	1.925%
249	17.066	17.002	17.091	VV	41840	1969896	16.04%	0.491%
250	17.105	17.091	17.114	VV	37858	529857	4.31%	0.132%
251	17.165	17.114	17.178	VV	40352	1462029	11.90%	0.365%
252	17.198	17.178	17.208	VV	37168	667787	5.44%	0.167%
253	17.234	17.208	17.248	VV	43215	973600	7.93%	0.243%
254	17.302	17.248	17.334	VV	524669	8506402	69.26%	2.121%
255	17.368	17.334	17.431	VV	449730	7705212	62.74%	1.921%
256	17.442	17.431	17.463	VV	37261	682432	5.56%	0.170%
257	17.520	17.463	17.568	VV	42449	2414862	19.66%	0.602%
258	17.624	17.568	17.650	VV	40763	1885538	15.35%	0.470%
259	17.708	17.650	17.726	VV	40957	1799836	14.65%	0.449%
260	17.742	17.726	17.771	VV	41994	1053755	8.58%	0.263%
261	17.816	17.771	17.837	VV	47585	1640560	13.36%	0.409%
262	17.860	17.837	17.911	VV	42190	1745161	14.21%	0.435%
263	17.960	17.911	17.998	VV	45743	2120916	17.27%	0.529%
264	18.006	17.998	18.032	VV	40670	791104	6.44%	0.197%
265	18.045	18.032	18.060	VV	38541	644145	5.24%	0.161%
266	18.132	18.060	18.188	VV	43608	3130066	25.49%	0.780%
267	18.201	18.188	18.213	VV	43719	635029	5.17%	0.158%
268	18.260	18.213	18.328	VV	460207	8553907	69.65%	2.133%
269	18.346	18.328	18.367	VV	44038	982893	8.00%	0.245%
270	18.389	18.367	18.444	VV	50218	2130878	17.35%	0.531%
271	18.454	18.444	18.487	VV	46891	1157902	9.43%	0.289%
272	18.505	18.487	18.514	VV	44234	694245	5.65%	0.173%
273	18.551	18.514	18.577	VV	47778	1718062	13.99%	0.428%
274	18.627	18.577	18.641	VV	58057	1962885	15.98%	0.489%
275	18.683	18.641	18.699	VV	536781	9277914	75.54%	2.313%
276	18.719	18.699	18.780	VV	554467	8960972	72.96%	2.234%
277	18.830	18.780	18.867	VV	51285	2518455	20.51%	0.628%
278	18.877	18.867	18.891	VV	47907	669989	5.46%	0.167%
279	18.943	18.891	19.025	VV	514837	10599150	86.30%	2.643%
280	19.092	19.025	19.151	VV	462565	9446956	76.92%	2.355%
281	19.189	19.151	19.250	VV	53804	2919952	23.77%	0.728%
282	19.268	19.250	19.284	VV	52278	1012868	8.25%	0.253%
283	19.293	19.284	19.307	VV	49185	659991	5.37%	0.165%
284	19.321	19.307	19.331	VV	48200	660136	5.37%	0.165%
285	19.348	19.331	19.374	VV	50267	1258338	10.25%	0.314%

Instrument :
FID_E
ClientSampleId :
5MS

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

286	19.381	19.374	19.394	VV	49144	574071	4.67%	0.143%
287	19.484	19.394	19.537	VV	61637	4		
288	19.550	19.537	19.561	VV	49707			
289	19.611	19.561	19.624	VV	49977	1		
290	19.635	19.624	19.642	VV	48703			
291	19.679	19.642	19.714	VV	51069	2146399	17.48%	0.535%
292	19.747	19.714	19.770	VV	47662	1566482	12.75%	0.391%
293	19.782	19.770	19.838	VV	49071	1877835	15.29%	0.468%
294	19.879	19.838	19.939	VV	456532	8897941	72.45%	2.219%
295	19.955	19.939	19.972	VV	51690	999731	8.14%	0.249%
296	19.987	19.972	20.010	VV	51600	1125760	9.17%	0.281%
297	20.027	20.010	20.036	VV	50438	783311	6.38%	0.195%
298	20.069	20.036	20.088	VV	51641	1543138	12.56%	0.385%
299	20.188	20.088	20.216	VV	52761	3845217	31.31%	0.959%
300	20.247	20.216	20.401	VV	72521	5841167	47.56%	1.456%
301	20.447	20.401	20.457	VV	49218	1591966	12.96%	0.397%
302	20.518	20.457	20.550	VV	51552	2801949	22.81%	0.699%
303	20.620	20.550	20.673	VV	447559	9588558	78.07%	2.391%
304	20.701	20.673	20.741	VV	51835	2029214	16.52%	0.506%
305	20.756	20.741	20.771	VV	50618	888021	7.23%	0.221%
306	20.790	20.771	20.827	VV	50412	1581667	12.88%	0.394%
307	20.850	20.827	20.861	VV	44565	903741	7.36%	0.225%
308	20.893	20.861	20.942	VV	45403	2173987	17.70%	0.542%
309	20.988	20.942	21.062	VV	47266	3153626	25.68%	0.786%
310	21.072	21.062	21.101	VV	39724	883973	7.20%	0.220%
311	21.114	21.101	21.171	VV	36811	1465633	11.93%	0.365%
312	21.187	21.171	21.211	VV	32801	767356	6.25%	0.191%
313	21.218	21.211	21.264	VV	32889	1021320	8.32%	0.255%
314	21.278	21.264	21.290	VV	31972	495869	4.04%	0.124%
315	21.321	21.290	21.346	VV	33097	1061771	8.65%	0.265%
316	21.403	21.346	21.466	VV	353874	8167684	66.50%	2.036%
317	21.474	21.466	21.536	VV	23018	914149	7.44%	0.228%
318	21.578	21.536	21.605	VV	21654	876859	7.14%	0.219%
319	21.627	21.605	21.711	VV	21534	1252302	10.20%	0.312%
320	21.719	21.711	21.759	VV	17271	462238	3.76%	0.115%
321	21.767	21.759	21.817	VV	15278	485591	3.95%	0.121%
322	21.870	21.817	21.904	VV	13327	679620	5.53%	0.169%
323	21.936	21.904	21.943	VV	12959	293445	2.39%	0.073%
324	21.964	21.943	22.101	VV	13140	1004404	8.18%	0.250%
325	22.111	22.101	22.158	VV	7405	222313	1.81%	0.055%
326	22.165	22.158	22.188	VV	5860	96671	0.79%	0.024%
327	22.201	22.188	22.238	VV	4955	133437	1.09%	0.033%
328	22.248	22.238	22.274	VV	4508	91012	0.74%	0.023%
329	22.297	22.274	22.324	VV	4720	125044	1.02%	0.031%

Instrument :
FID_E
ClientSampleId :
5MS

rteres

330 22.398 22.324 22.474 VV 244751 6595549 53.70% 1.644%

331 22.488 22.474 22.554 VV 4081

Sum of corrected are

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

Aliphatic EPH 080125.M Wed Aug 13 06:38:11 2025

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

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	11 Newman Ave Nutley	Date Received:	
Client Sample ID:	5MSD	SDG No.:	Q2757
Lab Sample ID:	Q2757-07MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/11/25 11:45	08/12/25 15:56	PB169208

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	147	E	1	1.12	4.92	mg/kg	FE055258.D
Total EPH	Total EPH	147			1.12	4.92	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:	Sciacca General Contractors, LLC		Date Collected:		
Project:	11 Newman Ave Nutley		Date Received:		
Client Sample ID:	5MSD		SDG No.:	Q2757	
Lab Sample ID:	Q2757-07MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	81.2	
Sample Wt/Vol:	30.04	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
FE055258.D	1	08/11/25	08/12/25	PB169208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	147	E	1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	124	E	1.45	2.46	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.6		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.8		40 - 140	78%	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:	Q2757-07MSD	Acq On:	12 Aug 2025 15:56
Client Sample ID:	Q2757-07MSD	Operator:	YP\AJ
Data file:	FE055258.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.959	28366409	242.899	300	ug/ml
Aliphatic C12-C16	6.960	10.413	39250153	313.432	200	ug/ml
Aliphatic C16-C21	10.414	13.793	45145157	357.147	300	ug/ml
Aliphatic C21-C28	13.794	17.466	105906154	878.848	400	ug/ml
Aliphatic C28-C40	17.467	22.498	172685806	1510	600	ug/ml
Aliphatic EPH	3.323	22.498	391353679	3310		ug/ml
ortho-Terphenyl (SURR)	12.089	12.089	5533724	38.75		ug/ml
1-chlorooctadecane (SURR)	13.525	13.525	4475429	41.62		ug/ml
Aliphatic C9-C28	3.323	17.466	218667873	1790	1200	ug/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055258.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 15:56
Operator : YP\AJ
Sample : Q2757-07MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

Integration File: autoint1.e
Quant Time: Aug 13 04:04:18 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)	12.089	5533724	38.751 ug/ml
Spiked Amount	50.000		Recovery =	77.50%
12) S	1-chlorooctadecane (S...	13.525	4475429	41.623 ug/ml
Spiked Amount	50.000		Recovery =	83.25%
	Target Compounds			
1) T	n-Nonane (C9)	3.434	4703878	40.985 ug/ml
2) T	n-Decane (C10)	4.687	4957950	42.559 ug/ml
3) T	A~Naphthalene (C11.7)	6.404	6242150	46.503 ug/ml
4) T	n-Dodecane (C12)	6.859	5351063	44.936 ug/ml
5) T	A~2-methylnaphthalene...	7.505	5888524	45.163 ug/ml
6) T	n-Tetradecane (C14)	8.697	5591949	45.608 ug/ml
7) T	n-Hexadecane (C16)	10.312	5789146	45.283 ug/ml
8) T	n-Octadecane (C18)	11.762	5873644	45.017 ug/ml
10) T	n-Eicosane (C20)	13.078	6048594	48.207 ug/ml
11) T	n-Heneicosane (C21)	13.693	5795579	47.016 ug/ml
13) T	n-Docosane (C22)	14.281	5788378	47.399 ug/ml
14) T	n-Tetracosane (C24)	15.391	11815260	97.138 ug/ml
15) T	n-Hexacosane (C26)	16.415	5629728	47.053 ug/ml
16) T	n-Octacosane (C28)	17.368	5706434	48.105 ug/ml
17) T	n-Tricontane (C30)	18.260	5533454	44.970 ug/mlm
18) T	n-Dotriacontane (C32)	19.092	5897435	48.335 ug/ml
19) T	n-Tetratriacontane (C34)	19.881	5997997	51.300 ug/mlm
20) T	n-Hexatriacontane (C36)	20.619	5948752	54.426 ug/ml
21) T	n-Octatriacontane (C38)	21.404	6188478	57.263 ug/mlm
22) T	n-Tetracontane (C40)	22.398	6281224	60.065 ug/ml

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055258.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 15:56
Operator : YP\AJ
Sample : Q2757-07MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

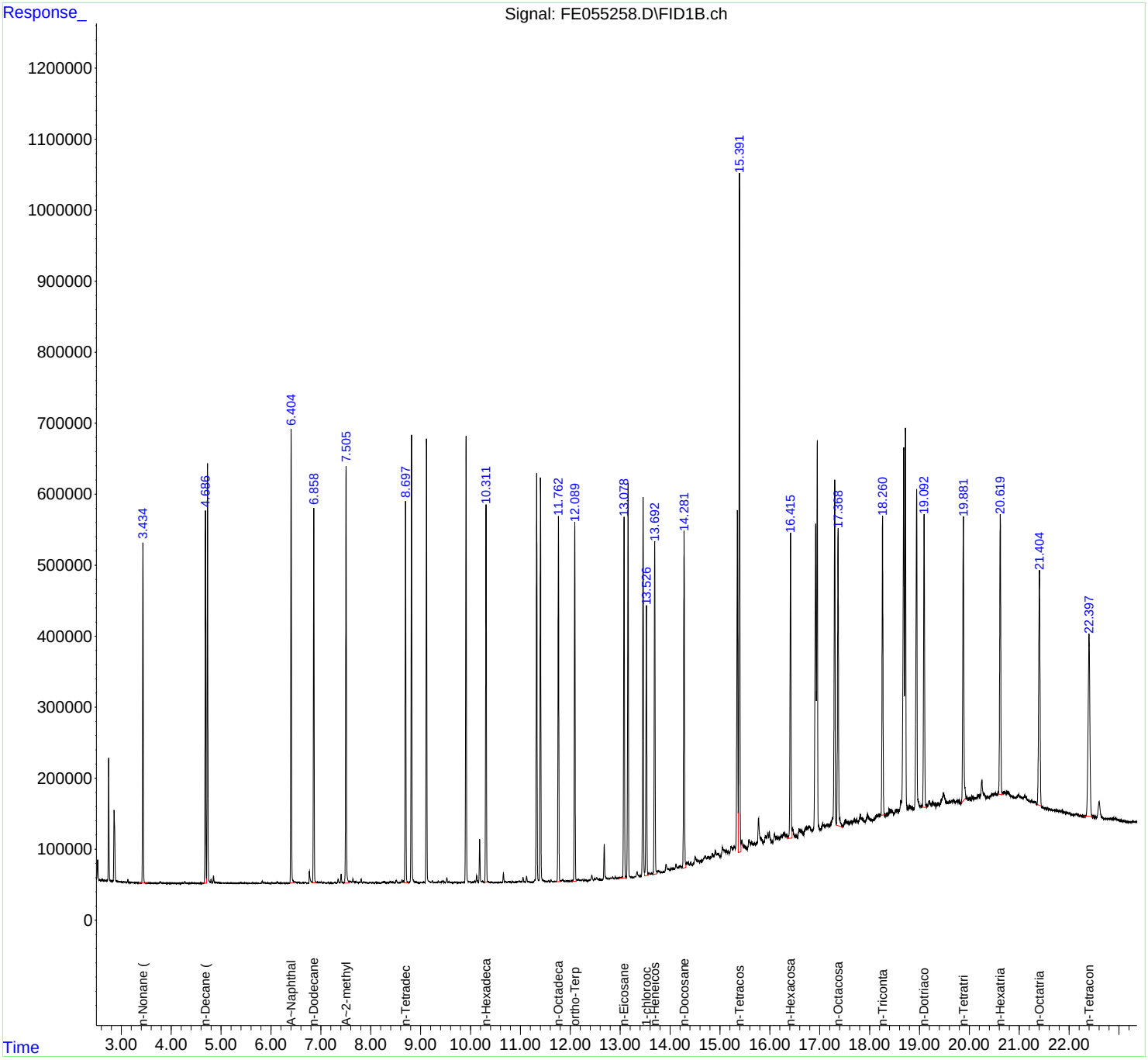
Instrument :
FID_E
ClientSampleId :
5MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

Integration File: autoint1.e
Quant Time: Aug 13 04:04:18 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



Instrument :
FID_E
ClientSampleId :
5MSD

rteres

Area Percent

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Da
Data File : FE055258.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 15:56
Sample : Q2757-07MSD
Misc :
ALS Vial : 23 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	2.856	2.804	2.900	BV	96205	1420668	11.50%	0.353%
2	2.914	2.900	2.964	VV	1227	12391	0.10%	0.003%
3	2.976	2.964	3.006	PV	181	2626	0.02%	0.001%
4	3.014	3.006	3.033	VV	123	1655	0.01%	0.000%
5	3.047	3.033	3.108	PV	539	10553	0.09%	0.003%
6	3.132	3.108	3.158	VV	4263	39568	0.32%	0.010%
7	3.169	3.158	3.272	VV	356	8886	0.07%	0.002%
8	3.302	3.272	3.404	PV	331	8567	0.07%	0.002%
9	3.434	3.404	3.529	PV	479548	4707391	38.10%	1.168%
10	3.553	3.529	3.564	VV	303	4022	0.03%	0.001%
11	3.579	3.564	3.597	VV	406	5371	0.04%	0.001%
12	3.609	3.597	3.633	VV	268	4114	0.03%	0.001%
13	3.647	3.633	3.699	VV	290	8163	0.07%	0.002%
14	3.725	3.699	3.734	PV	144	2020	0.02%	0.001%
15	3.781	3.734	3.864	PV	2721	40606	0.33%	0.010%
16	3.881	3.864	3.908	VV	296	4004	0.03%	0.001%
17	3.914	3.908	3.933	VV	111	892	0.01%	0.000%
18	3.950	3.933	4.000	VV	96	2111	0.02%	0.001%
19	4.020	4.000	4.033	VV	566	5015	0.04%	0.001%
20	4.044	4.033	4.061	VV	394	3167	0.03%	0.001%
21	4.069	4.061	4.101	VV	82	1349	0.01%	0.000%
22	4.120	4.101	4.191	PV	572	9499	0.08%	0.002%
23	4.221	4.191	4.244	PV	1089	14827	0.12%	0.004%
24	4.274	4.244	4.324	VV	3098	42091	0.34%	0.010%
25	4.335	4.324	4.394	VV	427	10353	0.08%	0.003%

Instrument :
FID_E
ClientSampleId :
5MSD

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

26	4.412	4.394	4.437	VV	1583	19618	0.16%	0.005%
27	4.452	4.437	4.559	VV	781			
28	4.578	4.559	4.603	VV	183			
29	4.627	4.603	4.645	VV	456			
30	4.687	4.645	4.707	VV	523623	4		
31	4.728	4.707	4.780	VV	588976	5720851	46.30%	1.420%
32	4.799	4.780	4.824	VV	6084	72644	0.59%	0.018%
33	4.847	4.824	4.954	VV	10871	180458	1.46%	0.045%
34	4.969	4.954	4.985	VV	928	13675	0.11%	0.003%
35	4.998	4.985	5.027	VV	761	14205	0.11%	0.004%
36	5.059	5.027	5.088	VV	775	21706	0.18%	0.005%
37	5.104	5.088	5.124	VV	845	11851	0.10%	0.003%
38	5.148	5.124	5.171	VV	668	13199	0.11%	0.003%
39	5.189	5.171	5.247	VV	820	19560	0.16%	0.005%
40	5.270	5.247	5.333	VV	376	13292	0.11%	0.003%
41	5.343	5.333	5.371	VV	334	5206	0.04%	0.001%
42	5.392	5.371	5.427	VV	1380	24485	0.20%	0.006%
43	5.448	5.427	5.462	VV	675	9376	0.08%	0.002%
44	5.476	5.462	5.492	VV	1108	11146	0.09%	0.003%
45	5.504	5.492	5.568	VV	469	6985	0.06%	0.002%
46	5.628	5.568	5.664	VV	1075	12628	0.10%	0.003%
47	5.684	5.664	5.694	VV	425	5245	0.04%	0.001%
48	5.702	5.694	5.725	VV	339	3250	0.03%	0.001%
49	5.747	5.725	5.788	PV	102	1305	0.01%	0.000%
50	5.824	5.788	5.842	PV	3475	35437	0.29%	0.009%
51	5.858	5.842	5.875	VV	1887	20445	0.17%	0.005%
52	5.891	5.875	5.915	VV	790	11718	0.09%	0.003%
53	5.935	5.915	5.966	VV	862	10582	0.09%	0.003%
54	6.021	5.966	6.042	PV	1106	16417	0.13%	0.004%
55	6.050	6.042	6.077	VV	478	7156	0.06%	0.002%
56	6.122	6.077	6.164	VV	1761	39671	0.32%	0.010%
57	6.184	6.164	6.208	VV	704	10803	0.09%	0.003%
58	6.218	6.208	6.234	VV	658	6120	0.05%	0.002%
59	6.253	6.234	6.286	VV	965	15208	0.12%	0.004%
60	6.305	6.286	6.329	VV	541	7465	0.06%	0.002%
61	6.364	6.329	6.378	VV	639	11033	0.09%	0.003%
62	6.404	6.378	6.489	VV	639572	6310928	51.08%	1.566%
63	6.499	6.489	6.528	VV	1894	28770	0.23%	0.007%
64	6.546	6.528	6.578	VV	1529	36123	0.29%	0.009%
65	6.588	6.578	6.616	VV	860	15550	0.13%	0.004%
66	6.632	6.616	6.649	VV	1134	14909	0.12%	0.004%
67	6.693	6.649	6.731	VV	1555	39691	0.32%	0.010%
68	6.744	6.731	6.758	VV	547	7457	0.06%	0.002%
69	6.770	6.758	6.826	VV	16169	237922	1.93%	0.059%

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70	6.859	6.826	6.916	VV	527090	5394501	43.66%	1.339%
71	6.933	6.916	6.961	VV	1878			
72	6.975	6.961	6.995	VV	1425			
73	7.011	6.995	7.041	VV	1966			
74	7.062	7.041	7.102	VV	968			
75	7.115	7.102	7.125	VV	327	3452	0.03%	0.001%
76	7.148	7.125	7.171	VV	1571	18712	0.15%	0.005%
77	7.190	7.171	7.237	VV	692	15276	0.12%	0.004%
78	7.273	7.237	7.301	VV	1083	19685	0.16%	0.005%
79	7.313	7.301	7.323	VV	310	3523	0.03%	0.001%
80	7.347	7.323	7.380	VV	6158	79490	0.64%	0.020%
81	7.407	7.380	7.428	VV	12730	139596	1.13%	0.035%
82	7.437	7.428	7.461	VV	1520	18141	0.15%	0.005%
83	7.505	7.461	7.566	VV	585777	5902717	47.77%	1.465%
84	7.582	7.566	7.624	VV	3084	74157	0.60%	0.018%
85	7.643	7.624	7.680	VV	5986	88456	0.72%	0.022%
86	7.701	7.680	7.751	VV	2852	63253	0.51%	0.016%
87	7.777	7.751	7.788	VV	1398	20462	0.17%	0.005%
88	7.808	7.788	7.841	VV	5881	69643	0.56%	0.017%
89	7.863	7.841	7.886	VV	1988	29829	0.24%	0.007%
90	7.899	7.886	7.959	VV	885	18737	0.15%	0.005%
91	7.988	7.959	8.015	VV	1450	20516	0.17%	0.005%
92	8.041	8.015	8.061	VV	597	10075	0.08%	0.003%
93	8.071	8.061	8.077	PV	83	439	0.00%	0.000%
94	8.101	8.077	8.131	VV	1827	24084	0.19%	0.006%
95	8.151	8.131	8.198	VV	668	13905	0.11%	0.003%
96	8.241	8.198	8.253	VV	1533	25957	0.21%	0.006%
97	8.270	8.253	8.324	VV	2835	43343	0.35%	0.011%
98	8.343	8.324	8.362	VV	758	10126	0.08%	0.003%
99	8.386	8.362	8.399	VV	2458	28897	0.23%	0.007%
100	8.404	8.399	8.428	VV	1591	19315	0.16%	0.005%
101	8.442	8.428	8.466	VV	1584	22929	0.19%	0.006%
102	8.477	8.466	8.486	VV	524	4834	0.04%	0.001%
103	8.513	8.486	8.544	VV	3270	61364	0.50%	0.015%
104	8.550	8.544	8.567	VV	569	6306	0.05%	0.002%
105	8.626	8.567	8.642	VV	4610	71756	0.58%	0.018%
106	8.655	8.642	8.666	VV	3075	32703	0.26%	0.008%
107	8.697	8.666	8.765	VV	539461	5618718	45.48%	1.395%
108	8.817	8.765	8.893	VV	636773	6486173	52.50%	1.610%
109	8.906	8.893	8.967	VV	1341	30382	0.25%	0.008%
110	9.006	8.967	9.043	VV	392	12839	0.10%	0.003%
111	9.065	9.043	9.084	VV	1126	16362	0.13%	0.004%
112	9.117	9.084	9.158	VV	625238	6395503	51.76%	1.587%

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113	9.167	9.158	9.218	VV	2617	56769	0.46%	0.014%
114	9.236	9.218	9.263	VV	2800			
115	9.287	9.263	9.327	VV	612			
116	9.353	9.327	9.372	VV	2003			
117	9.390	9.372	9.411	VV	1972			
118	9.450	9.411	9.495	VV	2797	67811	0.55%	0.017%
119	9.526	9.495	9.550	VV	7338	88533	0.72%	0.022%
120	9.568	9.550	9.592	VV	1788	24242	0.20%	0.006%
121	9.606	9.592	9.644	VV	379	7509	0.06%	0.002%
122	9.685	9.644	9.700	VV	1368	21537	0.17%	0.005%
123	9.716	9.700	9.748	VV	1308	15597	0.13%	0.004%
124	9.768	9.748	9.783	VV	202	2783	0.02%	0.001%
125	9.824	9.783	9.840	VV	1368	20902	0.17%	0.005%
126	9.855	9.840	9.878	VV	1241	17707	0.14%	0.004%
127	9.911	9.878	9.965	VV	626776	6435257	52.08%	1.597%
128	9.989	9.965	10.015	VV	2249	39785	0.32%	0.010%
129	10.032	10.015	10.045	VV	946	13068	0.11%	0.003%
130	10.088	10.045	10.104	VV	2962	51913	0.42%	0.013%
131	10.124	10.104	10.161	VV	10141	129110	1.04%	0.032%
132	10.184	10.161	10.221	VV	60902	652990	5.28%	0.162%
133	10.244	10.221	10.278	VV	1891	43122	0.35%	0.011%
134	10.311	10.278	10.344	VV	531326	5828858	47.18%	1.447%
135	10.354	10.344	10.392	VV	1986	31042	0.25%	0.008%
136	10.416	10.392	10.461	VV	1030	20586	0.17%	0.005%
137	10.491	10.461	10.520	VV	446	8397	0.07%	0.002%
138	10.536	10.520	10.553	VV	346	3218	0.03%	0.001%
139	10.565	10.553	10.571	PV	86	428	0.00%	0.000%
140	10.598	10.571	10.627	VV	481	8638	0.07%	0.002%
141	10.660	10.627	10.684	VV	13748	152142	1.23%	0.038%
142	10.701	10.684	10.723	VV	2124	29557	0.24%	0.007%
143	10.762	10.723	10.777	VV	1239	28842	0.23%	0.007%
144	10.793	10.777	10.816	VV	1334	17541	0.14%	0.004%
145	10.838	10.816	10.879	VV	1502	21265	0.17%	0.005%
146	10.921	10.879	10.948	VV	867	21714	0.18%	0.005%
147	10.968	10.948	10.991	VV	2020	34294	0.28%	0.009%
148	11.009	10.991	11.027	VV	1709	24396	0.20%	0.006%
149	11.053	11.027	11.097	VV	7020	98035	0.79%	0.024%
150	11.125	11.097	11.234	VV	8533	121072	0.98%	0.030%
151	11.326	11.234	11.368	PV	564937	6286941	50.88%	1.560%
152	11.403	11.368	11.495	VV	568783	6195632	50.14%	1.538%
153	11.508	11.495	11.542	VV	1195	21153	0.17%	0.005%
154	11.563	11.542	11.590	VV	2418	31063	0.25%	0.008%
155	11.612	11.590	11.654	VV	3045	39848	0.32%	0.010%

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156	11.690	11.654	11.709	PV	860	14871	0.12%	0.004%
157	11.762	11.709	11.817	VV	513757	5[illegible]		
158	11.848	11.817	11.879	VV	2999			
159	11.893	11.879	11.905	VV	431			
160	11.923	11.905	11.938	VV	991			
161	11.955	11.938	11.993	VV	1373	18571	0.15%	0.005%
162	12.021	11.993	12.039	PV	1295	17982	0.15%	0.004%
163	12.089	12.039	12.119	VV	503741	5539268	44.83%	1.375%
164	12.129	12.119	12.143	VV	2345	27443	0.22%	0.007%
165	12.162	12.143	12.181	VV	3502	51711	0.42%	0.013%
166	12.191	12.181	12.209	VV	1528	20485	0.17%	0.005%
167	12.246	12.209	12.264	VV	2244	41985	0.34%	0.010%
168	12.279	12.264	12.295	VV	1863	19868	0.16%	0.005%
169	12.312	12.295	12.341	VV	2010	25877	0.21%	0.006%
170	12.375	12.341	12.388	PV	1114	15925	0.13%	0.004%
171	12.432	12.388	12.462	VV	7722	128610	1.04%	0.032%
172	12.491	12.462	12.508	VV	2760	45689	0.37%	0.011%
173	12.530	12.508	12.554	VV	3668	60207	0.49%	0.015%
174	12.564	12.554	12.580	VV	1088	13062	0.11%	0.003%
175	12.596	12.580	12.617	VV	1037	15451	0.13%	0.004%
176	12.632	12.617	12.642	VV	334	3604	0.03%	0.001%
177	12.680	12.642	12.754	PV	49913	629805	5.10%	0.156%
178	12.772	12.754	12.789	VV	2218	26441	0.21%	0.007%
179	12.811	12.789	12.831	VV	1833	35268	0.29%	0.009%
180	12.848	12.831	12.880	VV	3471	45757	0.37%	0.011%
181	12.900	12.880	12.930	VV	2811	40145	0.32%	0.010%
182	12.941	12.930	12.952	VV	777	7600	0.06%	0.002%
183	13.078	12.952	13.121	VV	506357	6083475	49.24%	1.510%
184	13.159	13.121	13.210	VV	553204	6158845	49.85%	1.529%
185	13.225	13.210	13.243	VV	1184	14540	0.12%	0.004%
186	13.254	13.243	13.266	VV	370	3086	0.02%	0.001%
187	13.295	13.266	13.306	PV	1138	14280	0.12%	0.004%
188	13.340	13.306	13.383	VV	7354	147708	1.20%	0.037%
189	13.399	13.383	13.417	VV	1639	18053	0.15%	0.004%
190	13.460	13.417	13.489	VV	532449	6150309	49.78%	1.527%
191	13.525	13.489	13.558	VV	374231	4487295	36.32%	1.114%
192	13.575	13.558	13.600	VV	3329	60995	0.49%	0.015%
193	13.626	13.600	13.654	VV	2679	62402	0.51%	0.015%
194	13.692	13.654	13.738	VV	471075	5834329	47.22%	1.448%
195	13.761	13.738	13.816	VV	4979	165256	1.34%	0.041%
196	13.828	13.816	13.845	VV	2615	36023	0.29%	0.009%
197	13.866	13.845	13.883	VV	2593	46691	0.38%	0.012%
198	13.920	13.883	13.957	VV	12647	299778	2.43%	0.074%
199	13.968	13.957	13.985	VV	5725	84225	0.68%	0.021%

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200	14.000	13.985	14.014	VV	5093	80767	0.65%	0.020%
201	14.039	14.014	14.055	VV	6800			
202	14.069	14.055	14.086	VV	5702			
203	14.119	14.086	14.162	VV	11011			
204	14.198	14.162	14.243	VV	7783			
205	14.281	14.243	14.318	VV	476377	5973171	48.34%	1.483%
206	14.340	14.318	14.355	VV	12621	238584	1.93%	0.059%
207	14.368	14.355	14.386	VV	11080	179778	1.46%	0.045%
208	14.413	14.386	14.447	VV	10769	301716	2.44%	0.075%
209	14.502	14.447	14.537	VV	17199	639985	5.18%	0.159%
210	14.547	14.537	14.561	VV	12589	170231	1.38%	0.042%
211	14.576	14.561	14.598	VV	12532	242052	1.96%	0.060%
212	14.613	14.598	14.631	VV	11901	216713	1.75%	0.054%
213	14.698	14.631	14.731	VV	17199	817606	6.62%	0.203%
214	14.757	14.731	14.767	VV	15170	308044	2.49%	0.076%
215	14.781	14.767	14.799	VV	15842	275515	2.23%	0.068%
216	14.848	14.799	14.871	VV	19807	675964	5.47%	0.168%
217	14.910	14.871	14.934	VV	21238	688189	5.57%	0.171%
218	14.951	14.934	15.008	VV	18311	715475	5.79%	0.178%
219	15.051	15.008	15.078	VV	26490	842986	6.82%	0.209%
220	15.086	15.078	15.114	VV	21743	452743	3.66%	0.112%
221	15.131	15.114	15.148	VV	20869	399705	3.24%	0.099%
222	15.159	15.148	15.181	VV	19988	361987	2.93%	0.090%
223	15.223	15.181	15.235	VV	26091	671992	5.44%	0.167%
224	15.243	15.235	15.261	VV	24534	357038	2.89%	0.089%
225	15.278	15.261	15.308	VV	25898	668734	5.41%	0.166%
226	15.349	15.308	15.366	VV	490140	6675369	54.03%	1.657%
227	15.391	15.366	15.421	VV	974450	12355603	100.00%	3.067%
228	15.440	15.421	15.488	VV	32291	1080604	8.75%	0.268%
229	15.493	15.488	15.514	VV	23176	358507	2.90%	0.089%
230	15.530	15.514	15.548	VV	22329	429383	3.48%	0.107%
231	15.584	15.548	15.621	VV	32142	1152486	9.33%	0.286%
232	15.639	15.621	15.654	VV	28511	535972	4.34%	0.133%
233	15.667	15.654	15.688	VV	25917	499361	4.04%	0.124%
234	15.698	15.688	15.718	VV	25898	451667	3.66%	0.112%
235	15.773	15.718	15.867	VV	60292	3027488	24.50%	0.751%
236	15.911	15.867	15.922	VV	33732	968718	7.84%	0.240%
237	15.959	15.922	15.976	VV	37115	1090334	8.82%	0.271%
238	15.991	15.976	16.048	VV	39599	1297132	10.50%	0.322%
239	16.055	16.048	16.064	VV	25164	234068	1.89%	0.058%
240	16.093	16.064	16.114	VV	35985	922451	7.47%	0.229%
241	16.134	16.114	16.156	VV	31031	750471	6.07%	0.186%
242	16.177	16.156	16.194	VV	29948	661008	5.35%	0.164%

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243	16.233	16.194	16.244	VV	31567	906468	7.34%	0.225%
244	16.282	16.244	16.290	VV	34400			
245	16.301	16.290	16.322	VV	34999			
246	16.343	16.322	16.364	VV	32509			
247	16.415	16.364	16.444	VV	453883			
248	16.455	16.444	16.496	VV	39333	1065216	8.62%	0.264%
249	16.518	16.496	16.560	VV	28933	1092374	8.84%	0.271%
250	16.587	16.560	16.604	VV	37452	899261	7.28%	0.223%
251	16.615	16.604	16.680	VV	35727	1503287	12.17%	0.373%
252	16.722	16.680	16.748	VV	38953	1457143	11.79%	0.362%
253	16.789	16.748	16.850	VV	40520	2251826	18.23%	0.559%
254	16.919	16.850	16.934	VV	460800	8254389	66.81%	2.049%
255	16.951	16.934	17.021	VV	581146	8095418	65.52%	2.009%
256	17.058	17.021	17.111	VV	42287	2037685	16.49%	0.506%
257	17.128	17.111	17.137	VV	38604	584475	4.73%	0.145%
258	17.160	17.137	17.201	VV	40361	1454056	11.77%	0.361%
259	17.301	17.201	17.330	VV	519758	9515935	77.02%	2.362%
260	17.367	17.330	17.464	VV	452373	8508306	68.86%	2.112%
261	17.509	17.464	17.568	VV	41765	2375460	19.23%	0.590%
262	17.577	17.568	17.591	VV	37891	535043	4.33%	0.133%
263	17.628	17.591	17.664	VV	40582	1657833	13.42%	0.411%
264	17.689	17.664	17.724	VV	41258	1393819	11.28%	0.346%
265	17.740	17.724	17.774	VV	42192	1152883	9.33%	0.286%
266	17.814	17.774	17.835	VV	47059	1535700	12.43%	0.381%
267	17.846	17.835	17.856	VV	42158	514205	4.16%	0.128%
268	17.864	17.856	17.894	VV	40865	885189	7.16%	0.220%
269	17.904	17.894	17.915	VV	37521	461554	3.74%	0.115%
270	17.960	17.915	18.028	VV	45899	2702368	21.87%	0.671%
271	18.041	18.028	18.052	VV	38051	540525	4.37%	0.134%
272	18.062	18.052	18.084	VV	38129	721978	5.84%	0.179%
273	18.132	18.084	18.159	VV	43260	1824367	14.77%	0.453%
274	18.187	18.159	18.204	VV	44336	1122826	9.09%	0.279%
275	18.219	18.204	18.223	VV	43579	500638	4.05%	0.124%
276	18.259	18.223	18.328	VV	462069	8187505	66.27%	2.032%
277	18.348	18.328	18.364	VV	44680	922176	7.46%	0.229%
278	18.388	18.364	18.408	VV	50347	1191197	9.64%	0.296%
279	18.419	18.408	18.437	VV	49017	823690	6.67%	0.204%
280	18.453	18.437	18.488	VV	47021	1357993	10.99%	0.337%
281	18.555	18.488	18.572	VV	47761	2261961	18.31%	0.561%
282	18.624	18.572	18.637	VV	59486	1979632	16.02%	0.491%
283	18.683	18.637	18.699	VV	559478	9433311	76.35%	2.341%
284	18.718	18.699	18.774	VV	582804	8845379	71.59%	2.195%
285	18.804	18.774	18.821	VV	51284	1367378	11.07%	0.339%

Instrument :
FID_E
ClientSampleId :
5MSD

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

286	18.832	18.821	18.851	VV	49021	851782	6.89%	0.211%
287	18.859	18.851	18.890	VV	48555	1(		
288	18.943	18.890	19.029	VV	492754	10		
289	19.043	19.029	19.054	VV	48718			
290	19.092	19.054	19.167	VV	457423	8		
291	19.197	19.167	19.241	VV	53925	2240711	18.14%	0.556%
292	19.272	19.241	19.294	VV	52224	1554033	12.58%	0.386%
293	19.306	19.294	19.328	VV	49061	974512	7.89%	0.242%
294	19.345	19.328	19.354	VV	47929	734213	5.94%	0.182%
295	19.371	19.354	19.407	VV	49313	1497492	12.12%	0.372%
296	19.480	19.407	19.528	VV	61595	3921049	31.73%	0.973%
297	19.536	19.528	19.554	VV	50719	773940	6.26%	0.192%
298	19.565	19.554	19.583	VV	49210	824125	6.67%	0.205%
299	19.598	19.583	19.622	VV	50654	1122187	9.08%	0.279%
300	19.669	19.622	19.711	VV	50942	2637366	21.35%	0.655%
301	19.743	19.711	19.758	VV	48424	1338143	10.83%	0.332%
302	19.771	19.758	19.781	VV	49391	677306	5.48%	0.168%
303	19.790	19.781	19.835	VV	48954	1495048	12.10%	0.371%
304	19.879	19.835	19.936	VV	442558	8937798	72.34%	2.218%
305	19.950	19.936	19.972	VV	52516	1074953	8.70%	0.267%
306	19.983	19.972	19.988	VV	50243	480219	3.89%	0.119%
307	19.996	19.988	20.007	VV	50184	565813	4.58%	0.140%
308	20.016	20.007	20.028	VV	49754	615884	4.98%	0.153%
309	20.051	20.028	20.074	VV	52496	1388451	11.24%	0.345%
310	20.083	20.074	20.111	VV	50765	1114288	9.02%	0.277%
311	20.124	20.111	20.141	VV	50180	872959	7.07%	0.217%
312	20.185	20.141	20.213	VV	53909	2234375	18.08%	0.555%
313	20.249	20.213	20.334	VV	72364	4081660	33.03%	1.013%
314	20.346	20.334	20.355	VV	49424	598812	4.85%	0.149%
315	20.369	20.355	20.400	VV	49718	1304494	10.56%	0.324%
316	20.449	20.400	20.458	VV	52384	1739417	14.08%	0.432%
317	20.475	20.458	20.485	VV	52693	836066	6.77%	0.208%
318	20.502	20.485	20.538	VV	52708	1637263	13.25%	0.406%
319	20.619	20.538	20.654	VV	444711	9470480	76.65%	2.351%
320	20.666	20.654	20.675	VV	52444	624002	5.05%	0.155%
321	20.695	20.675	20.732	VV	53499	1797491	14.55%	0.446%
322	20.750	20.732	20.778	VV	52673	1416354	11.46%	0.352%
323	20.793	20.778	20.921	VV	52099	3918025	31.71%	0.972%
324	20.989	20.921	20.999	VV	46645	2074521	16.79%	0.515%
325	21.003	20.999	21.037	VV	44880	981789	7.95%	0.244%
326	21.054	21.037	21.071	VV	42161	833907	6.75%	0.207%
327	21.109	21.071	21.221	VV	43558	3532617	28.59%	0.877%
328	21.240	21.221	21.274	VV	35162	1085871	8.79%	0.270%
329	21.281	21.274	21.295	VV	33560	413191	3.34%	0.103%

Instrument :
FID_E
ClientSampleId :
5MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/13/2025
Supervised By :mohammad ahmed 08/13/2025

rteres

330	21.327	21.295	21.354	VV	33344	1144234	9.26%	0.284%
331	21.404	21.354	21.484	VV	359698	8[illegible]		
332	21.495	21.484	21.508	VV	23188	[illegible]		
333	21.517	21.508	21.601	VV	22562	1[illegible]		
334	21.612	21.601	21.634	VV	20291	[illegible]		
335	21.646	21.634	21.693	VV	20175	664809	5.38%	0.165%
336	21.702	21.693	21.718	VV	18403	267331	2.16%	0.066%
337	21.732	21.718	21.795	VV	18172	783335	6.34%	0.194%
338	21.807	21.795	21.834	VV	16290	365138	2.96%	0.091%
339	21.868	21.834	21.899	VV	15297	559056	4.52%	0.139%
340	21.910	21.899	21.928	VV	13449	219054	1.77%	0.054%
341	21.951	21.928	21.962	VV	12589	249604	2.02%	0.062%
342	21.967	21.962	21.998	VV	11867	243424	1.97%	0.060%
343	22.008	21.998	22.068	VV	10973	390267	3.16%	0.097%
344	22.082	22.068	22.117	VV	8470	240369	1.95%	0.060%
345	22.135	22.117	22.210	VV	8563	407595	3.30%	0.101%
346	22.221	22.210	22.258	VV	6160	149217	1.21%	0.037%
347	22.263	22.258	22.294	VV	5075	92952	0.75%	0.023%
348	22.305	22.294	22.326	VV	4823	76609	0.62%	0.019%
349	22.398	22.326	22.471	VV	259037	6538157	52.92%	1.623%
350	22.481	22.471	22.515	VV	2628	43442	0.35%	0.011%
351	22.524	22.515	22.553	VV	938	14298	0.12%	0.004%

Sum of corrected areas: 402899443

Aliphatic EPH 080125.M Wed Aug 13 06:38:36 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:	FE081225AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2809-02DL	FE055246.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:04 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2757-07MS	FE055257.D	n-Dotriacontane (C32)	yogesh	8/13/2025 7:38:06 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2757-07MS	FE055257.D	n-Octatriacontane (C38)	yogesh	8/13/2025 7:38:06 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2757-07MS	FE055257.D	n-Tetratriacontane (C34)	yogesh	8/13/2025 7:38:06 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2757-07MS	FE055257.D	n-Tricontane (C30)	yogesh	8/13/2025 7:38:06 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2757-07MSD	FE055258.D	n-Octatriacontane (C38)	yogesh	8/13/2025 7:38:08 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2757-07MSD	FE055258.D	n-Tetratriacontane (C34)	yogesh	8/13/2025 7:38:08 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2757-07MSD	FE055258.D	n-Tricontane (C30)	yogesh	8/13/2025 7:38:08 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2818-01	FE055259.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:10 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2818-02	FE055260.D	1-chlorooctadecane (SURR)	yogesh	8/13/2025 7:38:12 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2818-02	FE055260.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:12 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2823-01	FE055261.D	1-chlorooctadecane (SURR)	yogesh	8/13/2025 7:38:14 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2823-01	FE055261.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:14 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE081225AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2823-02	FE055262.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:15 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2827-01	FE055264.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:17 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2827-02	FE055265.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:20 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2827-05	FE055266.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:21 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2827-06	FE055269.D	1-chlorooctadecane (SURR)	yogesh	8/13/2025 7:38:22 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software
Q2827-06	FE055269.D	ortho-Terphenyl (SURR)	yogesh	8/13/2025 7:38:22 AM	mohammad	8/13/2025 9:40:33	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE081325AL	Instrument	FID_e

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

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

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 # FE081225AL

Review By	yogesh	Review On	8/12/2025 8:20:42 AM		
Supervise By	mohammad	Supervise On	8/13/2025 9:40:33 AM		
SubDirectory	FE081225AL	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	FE055241.D	12 Aug 2025 06:29	YP\AJ	Ok
2	I.BLK	FE055242.D	12 Aug 2025 06:59	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE055243.D	12 Aug 2025 07:29	YP\AJ	Ok
4	Q2808-01DL	FE055244.D	12 Aug 2025 08:00	YP\AJ	Ok
5	Q2809-01DL	FE055245.D	12 Aug 2025 08:30	YP\AJ	Ok
6	Q2809-02DL	FE055246.D	12 Aug 2025 09:00	YP\AJ	Ok,M
7	PB169208BL	FE055247.D	12 Aug 2025 09:50	YP\AJ	Ok
8	PB169208BS	FE055248.D	12 Aug 2025 10:20	YP\AJ	Ok
9	PB169208BSD	FE055249.D	12 Aug 2025 10:51	YP\AJ	Ok
10	Q2757-03	FE055250.D	12 Aug 2025 11:21	YP\AJ	Ok
11	Q2757-04	FE055251.D	12 Aug 2025 11:52	YP\AJ	Ok
12	Q2757-05	FE055252.D	12 Aug 2025 12:22	YP\AJ	Dilution
13	I.BLK	FE055253.D	12 Aug 2025 13:23	YP\AJ	Ok
14	20 PPM ALIPHATIC HC STD	FE055254.D	12 Aug 2025 13:54	YP\AJ	Ok
15	Q2757-06	FE055255.D	12 Aug 2025 14:25	YP\AJ	Ok
16	Q2757-07	FE055256.D	12 Aug 2025 14:55	YP\AJ	Ok
17	Q2757-07MS	FE055257.D	12 Aug 2025 15:26	YP\AJ	Ok,M
18	Q2757-07MSD	FE055258.D	12 Aug 2025 15:56	YP\AJ	Ok,M
19	Q2818-01	FE055259.D	12 Aug 2025 16:27	YP\AJ	Dilution
20	Q2818-02	FE055260.D	12 Aug 2025 16:57	YP\AJ	Dilution
21	Q2823-01	FE055261.D	12 Aug 2025 17:28	YP\AJ	Dilution

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE081225AL

Review By	yogesh	Review On	8/12/2025 8:20:42 AM		
Supervise By	mohammad	Supervise On	8/13/2025 9:40:33 AM		
SubDirectory	FE081225AL	HP Acquire Method		HP Processing Method	FE080125AL

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

22	Q2823-02	FE055262.D	12 Aug 2025 17:58	YP\AJ	Dilution
23	Q2826-01	FE055263.D	12 Aug 2025 18:29	YP\AJ	Ok
24	Q2827-01	FE055264.D	12 Aug 2025 18:59	YP\AJ	Dilution
25	Q2827-02	FE055265.D	12 Aug 2025 19:30	YP\AJ	Ok,M
26	Q2827-05	FE055266.D	12 Aug 2025 20:00	YP\AJ	Dilution
27	I.BLK	FE055267.D	12 Aug 2025 21:01	YP\AJ	Ok
28	20 PPM ALIPHATIC HC STD	FE055268.D	12 Aug 2025 21:32	YP\AJ	Ok
29	Q2827-06	FE055269.D	12 Aug 2025 22:33	YP\AJ	Dilution
30	Q2830-01	FE055270.D	12 Aug 2025 23:04	YP\AJ	Ok
31	Q2830-02	FE055271.D	12 Aug 2025 23:34	YP\AJ	Ok
32	Q2830-05	FE055272.D	13 Aug 2025 00:05	YP\AJ	Ok
33	Q2830-06	FE055273.D	13 Aug 2025 00:35	YP\AJ	Ok
34	Q2830-07	FE055274.D	13 Aug 2025 01:05	YP\AJ	Ok
35	Q2830-08	FE055275.D	13 Aug 2025 01:36	YP\AJ	Ok
36	Q2831-01	FE055276.D	13 Aug 2025 02:06	YP\AJ	Ok
37	I.BLK	FE055277.D	13 Aug 2025 03:07	YP\AJ	Ok
38	20 PPM ALIPHATIC HC STD	FE055278.D	13 Aug 2025 04:08	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE081325AL

Review By	yogesh	Review On	8/13/2025 9:53:14 AM		
Supervise By		Supervise On			
SubDirectory	FE081325AL	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	FE055279.D	13 Aug 2025 07:16	YP\AJ	Ok
2	I.BLK	FE055280.D	13 Aug 2025 07:46	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE055281.D	13 Aug 2025 08:17	YP\AJ	Ok
4	Q2757-05DL	FE055282.D	13 Aug 2025 08:47	YP\AJ	Ok
5	I.BLK	FE055291.D	13 Aug 2025 13:52	YP\AJ	Ok
6	20 PPM ALIPHATIC HC STD	FE055292.D	13 Aug 2025 14:23	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

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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

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE081225AL

Review By	yogesh	Review On	8/12/2025 8:20:42 AM		
Supervise By	mohammad	Supervise On	8/13/2025 9:40:33 AM		
SubDirectory	FE081225AL	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	FE055241.D	12 Aug 2025 06:29		YP\AJ	Ok
2	I.BLK	I.BLK	FE055242.D	12 Aug 2025 06:59		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055243.D	12 Aug 2025 07:29		YP\AJ	Ok
4	Q2808-01DL	TP-7DL	FE055244.D	12 Aug 2025 08:00		YP\AJ	Ok
5	Q2809-01DL	OR-03-08082025DL	FE055245.D	12 Aug 2025 08:30		YP\AJ	Ok
6	Q2809-02DL	OR-03-08082025-E2DL	FE055246.D	12 Aug 2025 09:00		YP\AJ	Ok,M
7	PB169208BL	PB169208BL	FE055247.D	12 Aug 2025 09:50		YP\AJ	Ok
8	PB169208BS	PB169208BS	FE055248.D	12 Aug 2025 10:20		YP\AJ	Ok
9	PB169208BSD	PB169208BSD	FE055249.D	12 Aug 2025 10:51		YP\AJ	Ok
10	Q2757-03	1	FE055250.D	12 Aug 2025 11:21		YP\AJ	Ok
11	Q2757-04	2	FE055251.D	12 Aug 2025 11:52		YP\AJ	Ok
12	Q2757-05	3	FE055252.D	12 Aug 2025 12:22	Need 2X	YP\AJ	Dilution
13	I.BLK	I.BLK	FE055253.D	12 Aug 2025 13:23		YP\AJ	Ok
14	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055254.D	12 Aug 2025 13:54		YP\AJ	Ok
15	Q2757-06	4	FE055255.D	12 Aug 2025 14:25		YP\AJ	Ok
16	Q2757-07	5	FE055256.D	12 Aug 2025 14:55		YP\AJ	Ok
17	Q2757-07MS	5MS	FE055257.D	12 Aug 2025 15:26	FE055256.D	YP\AJ	Ok,M
18	Q2757-07MSD	5MSD	FE055258.D	12 Aug 2025 15:56	FE055256.D!FE055257.D	YP\AJ	Ok,M

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE081225AL

Review By	yogesh	Review On	8/12/2025 8:20:42 AM		
Supervise By	mohammad	Supervise On	8/13/2025 9:40:33 AM		
SubDirectory	FE081225AL	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	Q2818-01	B-2-5-1	FE055259.D	12 Aug 2025 16:27	Need 10X	YP\AJ	Dilution
20	Q2818-02	B-3-5-2	FE055260.D	12 Aug 2025 16:57	Need 5X	YP\AJ	Dilution
21	Q2823-01	SU-04-081125	FE055261.D	12 Aug 2025 17:28	Need 5X	YP\AJ	Dilution
22	Q2823-02	SU-04-081125-E2	FE055262.D	12 Aug 2025 17:58	Need 2X	YP\AJ	Dilution
23	Q2826-01	WC1	FE055263.D	12 Aug 2025 18:29		YP\AJ	Ok
24	Q2827-01	TP-8	FE055264.D	12 Aug 2025 18:59	Need 2X	YP\AJ	Dilution
25	Q2827-02	TP-8-EPH	FE055265.D	12 Aug 2025 19:30		YP\AJ	Ok,M
26	Q2827-05	TP-9	FE055266.D	12 Aug 2025 20:00	Need 20X	YP\AJ	Dilution
27	I.BLK	I.BLK	FE055267.D	12 Aug 2025 21:01		YP\AJ	Ok
28	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055268.D	12 Aug 2025 21:32		YP\AJ	Ok
29	Q2827-06	TP-9-EPH	FE055269.D	12 Aug 2025 22:33	Need 5X,100X	YP\AJ	Dilution
30	Q2830-01	BIN0009-DRIVEWAY-T	FE055270.D	12 Aug 2025 23:04		YP\AJ	Ok
31	Q2830-02	BIN0009-DRIVEWAY-T	FE055271.D	12 Aug 2025 23:34		YP\AJ	Ok
32	Q2830-05	BIN0009-DRIVEWAY-T	FE055272.D	13 Aug 2025 00:05		YP\AJ	Ok
33	Q2830-06	BIN0009-DRIVEWAY-T	FE055273.D	13 Aug 2025 00:35		YP\AJ	Ok
34	Q2830-07	BIN0009-DRIVEWAY-T	FE055274.D	13 Aug 2025 01:05		YP\AJ	Ok
35	Q2830-08	BIN0009-DRIVEWAY-T	FE055275.D	13 Aug 2025 01:36		YP\AJ	Ok
36	Q2831-01	VNJ-238	FE055276.D	13 Aug 2025 02:06		YP\AJ	Ok
37	I.BLK	I.BLK	FE055277.D	13 Aug 2025 03:07		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE081225AL

Review By	yogesh	Review On	8/12/2025 8:20:42 AM		
Supervise By	mohammad	Supervise On	8/13/2025 9:40:33 AM		
SubDirectory	FE081225AL	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	

38	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055278.D	13 Aug 2025 04:08		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE081325AL

Review By	yogesh	Review On	8/13/2025 9:53:14 AM		
Supervise By		Supervise On			
SubDirectory	FE081325AL	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	FE055279.D	13 Aug 2025 07:16		YP\AJ	Ok
2	I.BLK	I.BLK	FE055280.D	13 Aug 2025 07:46		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055281.D	13 Aug 2025 08:17		YP\AJ	Ok
4	Q2757-05DL	3DL	FE055282.D	13 Aug 2025 08:47		YP\AJ	Ok
5	I.BLK	I.BLK	FE055291.D	13 Aug 2025 13:52		YP\AJ	Ok
6	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055292.D	13 Aug 2025 14:23		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 08/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:14
Out Date: 08/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136687

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
Q2752-03	PIPE-LINE-LIQUIDS	1	1.00	1.00	2.00	2.00	100.0	oil sample
Q2757-01	WASTE	2	1.14	9.99	11.13	9.28	81.5	
Q2757-02	VOC	3	1.13	10.85	11.98	9.96	81.4	
Q2757-03	1	4	1.19	10.50	11.69	9.83	82.3	
Q2757-04	2	5	1.18	10.81	11.99	10.1	82.5	
Q2757-05	3	6	1.18	10.81	11.99	9.98	81.4	
Q2757-06	4	7	1.13	10.59	11.72	9.66	80.5	
Q2757-07	5	8	1.13	10.86	11.99	9.95	81.2	
Q2758-01	WASTE	9	1.12	10.57	11.69	10.94	92.9	
Q2759-01	SOLID-DRUMS	10	1.15	10.84	11.99	5.75	42.4	
Q2760-01	NB-07-08042025	11	1.13	10.76	11.89	11.36	95.1	
Q2760-02	NB-07-08042025-E2	12	1.13	10.37	11.5	10.44	89.8	
Q2763-01	TP-2	13	1.16	10.02	11.18	9.36	81.8	
Q2763-02	TP-2 EPH	14	1.18	10.12	11.3	9.75	84.7	
Q2763-03	TP-2 VOC	15	1.18	10.48	11.66	9.45	78.9	

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

WORKLIST(Hardcopy Internal Chain)

136687

WorkList Name : %1-080425 **WorkList ID :** 191066 **Department :** Wet-Chemistry **Date :** 08-04-2025 07:38:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2752-03	PIPE-LINE-LIQUIDS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/01/2025	Chemtech -SO
Q2757-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2757-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2758-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	D31	08/01/2025	Chemtech -SO
Q2759-01	SOLID-DRUMS	Solid	Percent Solids	Cool 4 deg C	SCIA01	D21	08/01/2025	Chemtech -SO
Q2760-01	NB-07-08042025	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/04/2025	Chemtech -SO
Q2760-02	NB-07-08042025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/04/2025	Chemtech -SO
Q2763-01	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/04/2025	Chemtech -SO
Q2763-02	TP-2 EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	08/04/2025	Chemtech -SO
Q2763-03	TP-2 VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03		08/04/2025	Chemtech -SO
		Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	08/04/2025	Chemtech -SO

Date/Time 08/04/25 15:10
Raw Sample Received by: [illegible] (WC)
Raw Sample Relinquished by: RJ (EXT-Lab)

Date/Time 08/04/25 17:20
Raw Sample Received by: RJ (EXT-Lab)
Raw Sample Relinquished by: [illegible] (WC)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169208

SOP ID: MNJDEP-EPH-8

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: RJ

Extraction By: RJ

Balance check: RJ

Filter By: RJ

Balance ID: EX-SC-2

pH Meter ID: N/A

pH Strip Lot#: N/A

Hood ID: 3,7

Extraction Start Date : 08/11/2025

Extraction Start Time : 11:45

Extraction End Date : 08/11/2025

Extraction End Time : 15:00

Concentration By: RS

Supervisor By : RUPESH

Extraction Method: [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24767
Surrogate	1.0ML	100 PPM	PP24652
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	EP2629
Sand	N/A	E3951
Methylene Chloride	N/A	E3954
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

KD Bath Temperature: N/A

Envap ID: NEVIDAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/11/25	RS (B4 lab)	Y.P. Pest IPCB.
15:05	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169208

Analytical Method: MNJDEP-EPH-8 **Concentration Date:** 08/11/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169208BL	PB169208BL	EPH_F2	30.01	N/A	ritesh	RUPESH	2			U1-1
PB169208BS	PB169208BS	EPH_F2	30.03	N/A	ritesh	RUPESH	2			2
PB169208BSD	PB169208BSD	EPH_F2	30.02	N/A	ritesh	RUPESH	2			3
Q2757-03	1	EPH_F2	30.06	N/A	ritesh	RUPESH	2			4
Q2757-04	2	EPH_F2	30.08	N/A	ritesh	RUPESH	2			5
Q2757-05	3	EPH_F2	30.03	N/A	ritesh	RUPESH	2			6
Q2757-06	4	EPH_F2	30.04	N/A	ritesh	RUPESH	2			U6-1
Q2757-07	5	EPH_F2	30.09	N/A	ritesh	RUPESH	2			2
Q2757-07MS	5MS	EPH_F2	30.06	N/A	ritesh	RUPESH	2			3
Q2757-07MSD	5MSD	EPH_F2	30.04	N/A	ritesh	RUPESH	2			4

RS 8/11

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

169258
11:45 F2

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2743 **WorkList ID :** 191216 **Department :** Extraction **Date :** 08-11-2025 11:40:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2743-01	WC1	Solid	EPH	Cool 4 deg C	GENV01	O13	07/31/2025	NJEPH
Q2757-03	1	Solid	EPH_F2	Cool 4 deg C	SCIA01	D31	08/01/2025	NJEPH
Q2757-04	2	Solid	EPH_F2	Cool 4 deg C	SCIA01	D31	08/01/2025	NJEPH
Q2757-05	3	Solid	EPH_F2	Cool 4 deg C	SCIA01	D31	08/01/2025	NJEPH
Q2757-06	4	Solid	EPH_F2	Cool 4 deg C	SCIA01	D31	08/01/2025	NJEPH
Q2757-07	5	Solid	EPH_F2	Cool 4 deg C	SCIA01	D31	08/01/2025	NJEPH

Date/Time 8/11/25 11:41
Raw Sample Received by: RJ (EA Lab)
Raw Sample Relinquished by:

Date/Time 8/11/25 12:00
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EA Lab)

SHIPPING DOCUMENTS

Q2757

11 Newman Ave

CHEMTECH
CHAIN OF CUSTODY RECORD

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

Chemtech Project Number: Nutley.
COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
Report to be sent to:	PROJECT NAME:	BILL TO: PO#
COMPANY:	PROJECT #: LOCATION:	ADDRESS: Sciacca
ADDRESS:	PROJECT MANAGER:	CITY: STATE: ZIP:
CITY: STATE: ZIP:	E-MAIL:	ATTENTION:
ATTENTION:	PHONE: FAX:	PHONE:
PHONE: FAX:		

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS: 1 TPH_GC; 2 VOC; 3 EPH_F2; 4; 5; 6; 7; 8; 9

COMMENTS: <-- Specify Preservatives: A-HCl, B-HNO3, C-H2SO4, D-NaOH, E-ICE, F-OTHER

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	1	2	3	4	5	6	7	8	9	COMMENTS
1.	WASTE				8/1	25	1	X									
2.	VOC					8:15	1		X								
3.	1					8:40	1			X							
4.	2					9:	1			X							
5.	3					9:55	1			X							
6.	4					9:15	1			X							
7.	5					9:30	1			X							
8.																	
9.																	
10.																	

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

RELINQUISHED BY	DATE/TIME	RECEIVED BY
RELINQUISHED BY SAMPLER 1.	1533 8-1-25	1. [signature] 1533 8-1-25
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.
RELINQUISHED BY 3. [signature]	1640 8-1-25	RECEIVED FOR LAB BY 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2°

Comments: ______

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other: ______
CHEMTECH: ☐ Picked Up

Shipment Complete ☐ YES ☐ NO

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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

YG 08/07/2025

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2757 SCIA01
Client Name : Sciacca General Contractors
Client Contact : Rosanne Scirica
Invoice Name : Sciacca General Contractors
Invoice Contact : Rosanne Scirica

Order Date : 8/1/2025 4:13:00 PM
Project Name : ~~89 E. Centre St, Nutley~~ 11 Newman Ave Nutley
Receive DateTime : 8/1/2025 ~~12:00:00 AM~~ 04:40:00 PM
Purchase Order :

Project Mgr :
Report Type : Results Only
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2757-02	VOC	Solid	08/01/2025	08:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By : JW
Date / Time : 8/4/25 1040

Received By : Sam
Date / Time : 08/04/25 10:40

R&H b
FED

Storage Area : VOA Refridgerator Room