

Cover Page

Order ID : Q2487

Project ID : Construction of Shafts 17B-18B - PN 220084

Client : Walsh Construction Company II, LLC

Lab Sample Number

Client Sample Number

Q2487-01	G4(1.5)
Q2487-02	G4(10)
Q2487-03	G3(9)
Q2487-04	G3(3)
Q2487-05	G2(2.5)
Q2487-06	G2(9)
Q2487-07	G1(4.5)
Q2487-08	G1(10)
Q2487-09	G4(0-6)
Q2487-10	G4(6-12)
Q2487-11	G3(0-6)
Q2487-12	G3(6-12)
Q2487-13	G2(0-6)
Q2487-14	G2(6-12)
Q2487-15	G1(0-6)
Q2487-16	G1(6-12)
Q2487-17	G4(1.5)
Q2487-18	G4(10)
Q2487-19	G3(9)
Q2487-20	G3(3)
Q2487-21	G2(2.5)
Q2487-22	G2(9)
Q2487-23	G1(10)
Q2487-24	G1(4.5)

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: 7/12/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Walsh Construction Company II, LLC

Project Name: Construction of Shafts 17B-18B - PN 220084

Project # N/A

Order ID # Q2487

Test Name: EPH_NF

A. Number of Samples and Date of Receipt:

24 Solid samples were received on 07/01/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, Diesel Range Organics, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SPLP-FULL, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Metals+Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TCLPMetals Group1, TKN, TPH GC, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for EPH_NF.

C. Analytical Techniques:

The analysis were performed on instrument FID_C. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. 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_NFs 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 met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .



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

Samples G3(0-6), G2(0-6), G2(6-12), G1(0-6) and G1(6-12) were diluted due to high concentrations.

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_____

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 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2487

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 Custody

✓

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: 07/12/2025

LAB CHRONICLE

OrderID:	Q2487	OrderDate:	7/2/2025 10:05:00 AM
Client:	Walsh Construction Company II, LLC	Project:	Construction of Shafts 17B-18B - PN 220084
Contact:	Jesse A. Sylvestri	Location:	A22,A53,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2487-09	G4(0-6)	SOIL			07/01/25			07/01/25
			Pesticide-TCL	8081B		07/03/25	07/03/25	
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			PCB	8082A		07/03/25	07/07/25	
			EPH_NF	NJEPH		07/03/25	07/07/25	
Q2487-10	G4(6-12)	SOIL			07/01/25			07/01/25
			PCB	8082A		07/03/25	07/04/25	
			Pesticide-TCL	8081B		07/03/25	07/03/25	
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			EPH_NF	NJEPH		07/03/25	07/07/25	
Q2487-11	G3(0-6)	SOIL			07/01/25			07/01/25
			PCB	8082A		07/03/25	07/04/25	
			Diesel Range Organics	8015D		07/08/25	07/09/25	
			Gasoline Range Organics	8015D			07/09/25	
			PCB	8082A		07/03/25	07/07/25	
			Pesticide-TCL	8081B		07/03/25	07/07/25	
			EPH_NF	NJEPH		07/03/25	07/07/25	
Q2487-11DL	G3(0-6)DL	SOIL			07/01/25			07/01/25
			EPH_NF	NJEPH		07/03/25	07/08/25	
Q2487-12	G3(6-12)	SOIL			07/01/25			07/01/25
			PCB	8082A		07/03/25	07/04/25	
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			Pesticide-TCL	8081B		07/03/25	07/07/25	

LAB CHRONICLE

			EPH_NF	NJEPH		07/03/25	07/07/25	
Q2487-13	G2(0-6)	SOIL			07/01/25			07/01/25
			PCB	8082A		07/03/25	07/04/25	
			Diesel Range Organics	8015D		07/08/25	07/09/25	
			Gasoline Range Organics	8015D			07/09/25	
			Pesticide-TCL	8081B		07/03/25	07/07/25	
			EPH_NF	NJEPH		07/03/25	07/07/25	
Q2487-13DL	G2(0-6)DL	SOIL			07/01/25			07/01/25
			EPH_NF	NJEPH		07/03/25	07/08/25	
Q2487-14	G2(6-12)	SOIL			07/01/25			07/01/25
			PCB	8082A		07/03/25	07/04/25	
			Diesel Range Organics	8015D		07/08/25	07/09/25	
			Pesticide-TCL	8081B		07/03/25	07/07/25	
			EPH_NF	NJEPH		07/03/25	07/07/25	
Q2487-14DL	G2(6-12)DL	SOIL			07/01/25			07/01/25
			EPH_NF	NJEPH		07/03/25	07/08/25	
Q2487-15	G1(0-6)	SOIL			07/01/25			07/01/25
			Diesel Range Organics	8015D		07/08/25	07/09/25	
			Gasoline Range Organics	8015D			07/10/25	
			PCB	8082A		07/03/25	07/08/25	
			Pesticide-TCL	8081B		07/03/25	07/07/25	
			EPH_NF	NJEPH		07/03/25	07/07/25	
Q2487-15DL	G1(0-6)DL	SOIL			07/01/25			07/01/25
			EPH_NF	NJEPH		07/03/25	07/08/25	
Q2487-16	G1(6-12)	SOIL			07/01/25			07/01/25
			Diesel Range Organics	8015D		07/08/25	07/09/25	
			Gasoline Range Organics	8015D			07/10/25	
			PCB	8082A		07/03/25	07/07/25	
			Pesticide-TCL	8081B		07/03/25	07/07/25	
			EPH_NF	NJEPH		07/03/25	07/07/25	
Q2487-16DL	G1(6-12)DL	SOIL			07/01/25			07/01/25

LAB CHRONICLE

EPH_NF

NJEPH

07/03/25

07/08/25



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: WALS01
Lab Code: CHEM CASE No.: Q2487 SAS No.: Q2487 SDG No.: Q2487
Run Number: FC070725AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB168723BL	91	88		0
PB168723BS	82	79		0
PB168723BSD	80	77		0
WC-11MS	59	55		0
WC-11MSD	57	54		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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: WALS01
Lab Code: CHEM CASE No.: Q2487 SAS No.: Q2487 SDG No.: Q2487
Run Number: FE070725AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
G4 (0-6)	65	60		0
G4 (6-12)	57	55		0
G3 (0-6)	75	58		0
G3 (6-12)	68	69		0
G2 (0-6)	118	59		0
G2 (6-12)	66	62		0
G1 (0-6)	50	43		0
G1 (6-12)	62	57		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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: WALS01
Lab Code: CHEM CASE No.: Q2487 SAS No.: Q2487 SDG No.: Q2487
Run Number: FE070825AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
G3(0-6)DL	77	58		0
G2(0-6)DL	118	59		0
G2(6-12)DL	71	66		0
G1(0-6)DL	50	44		0
G1(6-12)DL	67	61		0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

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

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

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Walsh Construction Company II, LLC</u>	
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2487</u>	SAS No : <u>Q2487</u> SDG No: <u>Q2487</u>
Sample No :	<u>Q2493-01MS</u>	Datafile:	<u>FC069381.D</u>	Client ID : <u>WC-11MS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	33.8	6.35	40.4	100		(40-140)
Aliphatic C9-C28	112.8	4.25	82.8	70		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
n-Nonane (C9)	3.8	0.0000	2.2338	59		(40-140)
n-Decane (C10)	3.8	0.0000	5.2927	139		(40-140)
Naphthalene (C11.7)	3.8	0.0000	2.8856	76		(40-140)
n-Dodecane (C12)	3.8	0.0000	2.6846	71		(40-140)
2-methylnaphthalene (C12.89)	3.8	0.0000	2.8532	75		(40-140)
n-Tetradecane (C14)	3.8	0.0000	2.8473	75		(40-140)
n-Hexadecane (C16)	3.8	0.0000	2.8833	76		(40-140)
n-Octadecane (C18)	3.8	0.0000	2.8600	75		(40-140)
n-Eicosane (C20)	3.8	0.0000	3.0521	80		(40-140)
n-Heneicosane (C21)	3.8	0.0000	2.9770	78		(40-140)
n-Docosane (C22)	3.8	0.0000	2.9751	78		(40-140)
n-Tetracosane (C24)	7.5	0.0000	5.9783	80		(40-140)
n-Hexacosane (C26)	3.8	0.0000	2.9637	78		(40-140)
n-Octacosane (C28)	3.8	0.0000	3.0008	79		(40-140)
n-Tricontane (C30)	3.8	0.0000	3.0377	80		(40-140)
n-Dotriacontane (C32)	3.8	0.0000	3.2035	84		(40-140)
n-Tetratriacontane (C34)	3.8	0.0000	3.8064	100		(40-140)
n-Hexatriacontane (C36)	3.8	0.0000	4.4306	117		(40-140)
n-Octatriacontane (C38)	3.8	0.0000	5.0310	132		(40-140)
n-Tetracontane (C40)	3.8	0.0000	5.0394	133		(40-140)

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Walsh Construction Company II, LLC</u>	
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2487</u>	SAS No : <u>Q2487</u> SDG No: <u>Q2487</u>
Sample No :	<u>Q2493-01MSD</u>	Datafile:	<u>FC069382.D</u>	Client ID : <u>WC-11MSD</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	33.8	6.35	38.7	96		4.29 (40-140)	50
Aliphatic C9-C28	112.6	4.25	79.2	67		4.4 (40-140)	50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
n-Nonane (C9)	3.8	0.0000	2.1473	57		3.45 (40-140)	50
n-Decane (C10)	3.8	0.0000	5.0907	134		3.66 (40-140)	50
Naphthalene (C11.7)	3.8	0.0000	2.7701	73		4.03 (40-140)	50
n-Dodecane (C12)	3.8	0.0000	2.5826	68		4.32 (40-140)	50
2-methylnaphthalene (C12.89)	3.8	0.0000	2.7326	72		4.08 (40-140)	50
n-Tetradecane (C14)	3.8	0.0000	2.7290	72		4.08 (40-140)	50
n-Hexadecane (C16)	3.8	0.0000	2.7519	72		5.41 (40-140)	50
n-Octadecane (C18)	3.8	0.0000	2.7350	72		4.08 (40-140)	50
n-Eicosane (C20)	3.8	0.0000	2.9058	76		5.13 (40-140)	50
n-Heneicosane (C21)	3.8	0.0000	2.8388	75		3.92 (40-140)	50
n-Docosane (C22)	3.8	0.0000	2.8356	75		3.92 (40-140)	50
n-Tetracosane (C24)	7.5	0.0000	5.6719	76		5.13 (40-140)	50
n-Hexacosane (C26)	3.8	0.0000	2.8076	74		5.26 (40-140)	50
n-Octacosane (C28)	3.8	0.0000	2.8450	75		5.19 (40-140)	50
n-Tricontane (C30)	3.8	0.0000	2.8805	76		5.13 (40-140)	50
n-Dotriacontane (C32)	3.8	0.0000	3.0544	80		4.88 (40-140)	50
n-Tetratriacontane (C34)	3.8	0.0000	3.6192	95		5.13 (40-140)	50
n-Hexatriacontane (C36)	3.8	0.0000	4.2283	111		5.26 (40-140)	50
n-Octatriacontane (C38)	3.8	0.0000	5.0713	133		0.75 (40-140)	50
n-Tetracontane (C40)	3.8	0.0000	4.8038	126		5.41 (40-140)	50

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Walsh Construction Company II, LLC</u>	
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2487</u>	SAS No : <u>Q2487</u> SDG No: <u>Q2487</u>
Sample No :	<u>PB168723BS</u>	Datafile:	<u>FC069377.D</u>	Client ID : <u>PB168723BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	30.0	34.4	114		(40-140)
Aliphatic C9-C28	99.9	81.4	83		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
n-Nonane (C9)	3.3	2.83275	86		(40-140)
n-Decane (C10)	3.3	3.00704	91		(40-140)
Naphthalene (C11.7)	3.3	3.35230	102		(40-140)
n-Dodecane (C12)	3.3	3.05387	93		(40-140)
2-methylnaphthalene (C12.89)	3.3	3.18149	96		(40-140)
n-Tetradecane (C14)	3.3	2.99670	91		(40-140)
n-Hexadecane (C16)	3.3	2.84657	86		(40-140)
n-Octadecane (C18)	3.3	2.75349	83		(40-140)
n-Eicosane (C20)	3.3	2.91840	88		(40-140)
n-Heneicosane (C21)	3.3	2.84422	86		(40-140)
n-Docosane (C22)	3.3	2.83540	86		(40-140)
n-Tetracosane (C24)	6.7	5.74464	86		(40-140)
n-Hexacosane (C26)	3.3	2.82194	86		(40-140)
n-Octacosane (C28)	3.3	2.85921	87		(40-140)
n-Tricontane (C30)	3.3	2.90046	88		(40-140)
n-Dotriacontane (C32)	3.3	3.08010	93		(40-140)
n-Tetratriacontane (C34)	3.3	3.60878	109		(40-140)
n-Hexatriacontane (C36)	3.3	4.04512	123		(40-140)
n-Octatriacontane (C38)	3.3	4.49600	136		(40-140)
n-Tetracontane (C40)	3.3	4.61285	140		(40-140)

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Walsh Construction Company II, LLC
Lab Code: CHEM **Cas No:** Q2487 **SAS No :** Q2487 **SDG No:** Q2487
Sample No : PB168723BSD **Datafile:** FC069378.D **Client ID :** PB168723BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	30.0	33.7	112		1.4 (40-140)	25
Aliphatic C9-C28	100.1	79.4	81		2.5 (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	2.79575	85		1.17 (40-140)	25
n-Decane (C10)	3.3	2.96621	90		1.1 (40-140)	25
Naphthalene (C11.7)	3.3	3.29485	100		1.98 (40-140)	25
n-Dodecane (C12)	3.3	3.00187	91		2.17 (40-140)	25
2-methylnaphthalene (C12.89)	3.3	3.11928	95		1.05 (40-140)	25
n-Tetradecane (C14)	3.3	2.94386	89		2.22 (40-140)	25
n-Hexadecane (C16)	3.3	2.78182	84		2.35 (40-140)	25
n-Octadecane (C18)	3.3	2.68672	81		2.44 (40-140)	25
n-Eicosane (C20)	3.3	2.83751	86		2.3 (40-140)	25
n-Heneicosane (C21)	3.3	2.76591	84		2.35 (40-140)	25
n-Docosane (C22)	3.3	2.75495	83		3.55 (40-140)	25
n-Tetracosane (C24)	6.7	5.58208	83		3.55 (40-140)	25
n-Hexacosane (C26)	3.3	2.73833	83		3.55 (40-140)	25
n-Octacosane (C28)	3.3	2.77319	84		3.51 (40-140)	25
n-Tricontane (C30)	3.3	2.81804	85		3.47 (40-140)	25
n-Dotriacontane (C32)	3.3	2.99947	91		2.17 (40-140)	25
n-Tetratriacontane (C34)	3.3	3.53447	107		1.85 (40-140)	25
n-Hexatriacontane (C36)	3.3	3.97060	120		2.47 (40-140)	25
n-Octatriacontane (C38)	3.3	4.41108	134		1.48 (40-140)	25
n-Tetracontane (C40)	3.3	4.56218	138		1.44 (40-140)	25

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168723BL

Lab Name: CHEMTECH

Contract: WALS01

Lab Code: CHEM Case No.: Q2487

SAS No.: Q2487 SDG NO.: Q2487

Instrument ID: FID_C

Lab Sample ID: PB168723BL

Matrix: (soil/water) Solid

Date Extracted: 7/3/2025 9:30:00 AM

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB168723BS	PB168723BS
PB168723BSD	PB168723BSD
G4 (0-6)	Q2487-09
G4 (6-12)	Q2487-10
G3 (0-6)	Q2487-11
G3 (6-12)	Q2487-12
G2 (0-6)	Q2487-13
G2 (6-12)	Q2487-14
G1 (0-6)	Q2487-15
G1 (6-12)	Q2487-16
WC-11MS	Q2493-01MS
WC-11MSD	Q2493-01MSD

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G4(0-6)	SDG No.:	Q2487
Lab Sample ID:	Q2487-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/03/25 09:30	07/07/25 14:59	PB168723

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.1		1	1.35	2.29	mg/kg	FE054705.D
Aliphatic C9-C28	Aliphatic C9-C28	11.6		1	1.04	4.59	mg/kg	FE054705.D
Total AliphaticEPH	Total AliphaticEPH	37.7			2.39	6.88	mg/kg	
Total EPH	Total EPH	37.7			2.39	6.88	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G4(0-6)	SDG No.:	Q2487
Lab Sample ID:	Q2487-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054705.D	1	07/03/25	07/07/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	11.6		1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.1		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.3		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.9		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2487-09	Acq On:	07 Jul 2025 14:59
Client Sample ID:	G4(0-6)	Operator:	YP\AJ
Data file:	FE054705.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.953	2328111	17.112	300	ug/ml
Aliphatic C12-C16	6.954	10.404	3064583	21.801	200	ug/ml
Aliphatic C16-C21	10.405	13.782	5930014	41.068	300	ug/ml
Aliphatic C21-C28	13.783	17.452	10303020	71.226	400	ug/ml
Aliphatic C28-C40	17.453	22.469	47389597	341.799	600	ug/ml
Aliphatic EPH	3.322	22.469	69015325	493.007		ug/ml
ortho-Terphenyl (SURR)	12.081	12.081	4852776	29.88		ug/ml
1-chlorooctadecane (SURR)	13.517	13.517	4073739	32.26		ug/ml
Aliphatic C9-C28	3.322	17.452	21625728	151.207	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054705.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jul 2025 14:59
 Operator : YP\AJ
 Sample : Q2487-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 G4(0-6)

Integration File: sample.E
 Quant Time: Jul 08 03:30:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.081	4852776	29.883 ug/ml
Spiked Amount 50.000		Recovery =	59.77%
12) S 1-chlorooctadecane (S...	13.517	4073739	32.256 ug/ml
Spiked Amount 50.000		Recovery =	64.51%

Target Compounds

(f)=RT Delta > 1/2 Window

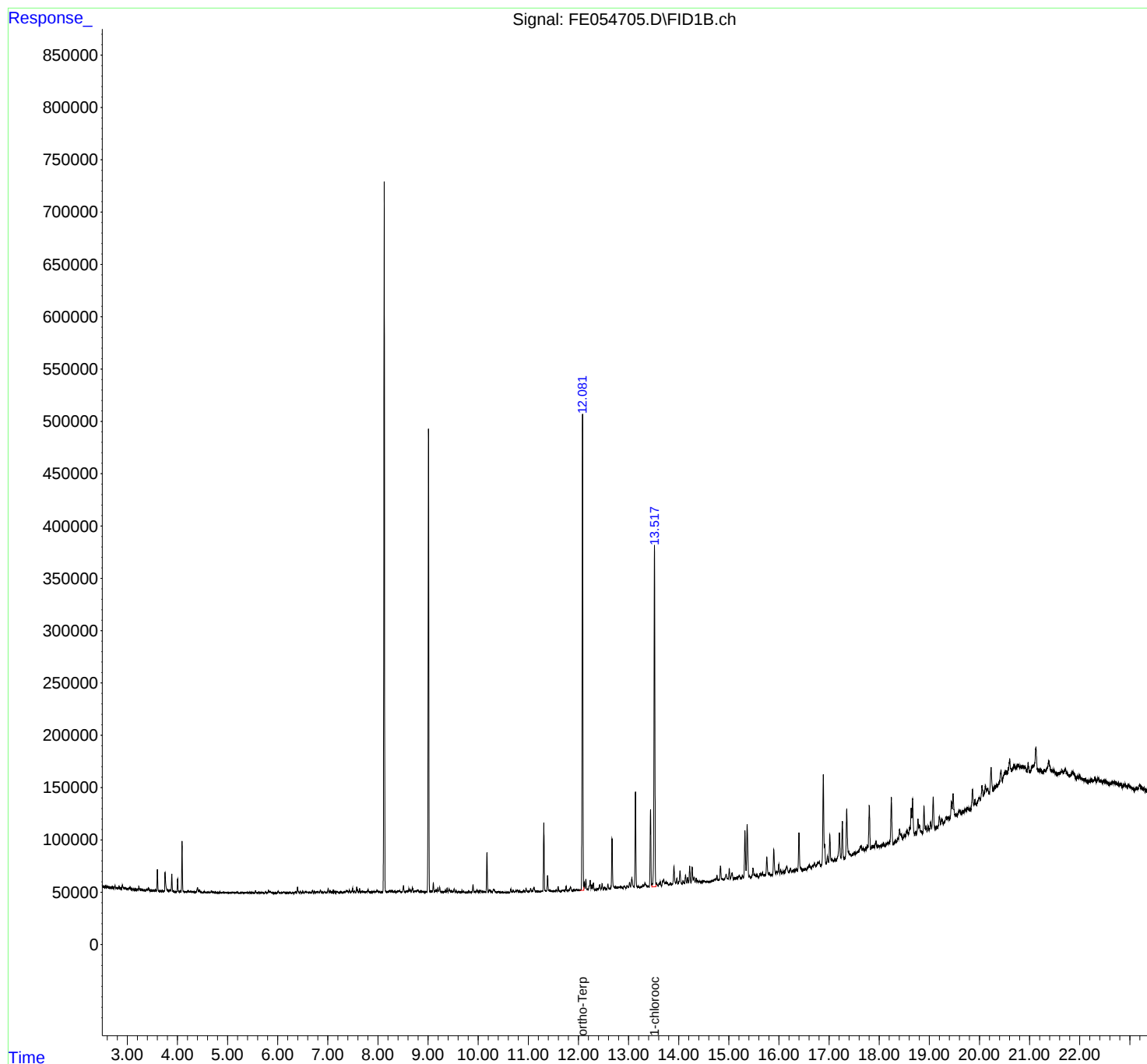
(m)=manual int.

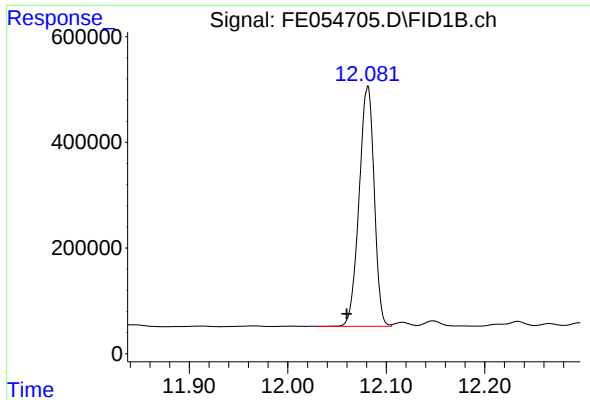
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054705.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 14:59
Operator : YP\AJ
Sample : Q2487-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
G4(0-6)

Integration File: sample.E
Quant Time: Jul 08 03:30:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

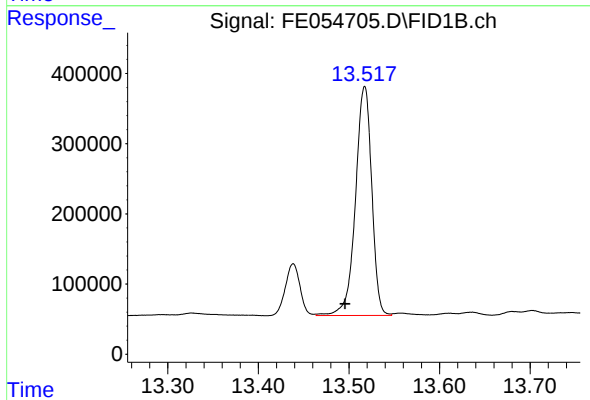




#9 ortho-Terphenyl (SURR)

R.T.: 12.081 min
Delta R.T.: 0.021 min
Response: 4852776
Conc: 29.88 ug/ml

Instrument :
FID_E
ClientSampleId :
G4(0-6)



#12 1-chlorooctadecane (SURR)

R.T.: 13.517 min
Delta R.T.: 0.022 min
Response: 4073739
Conc: 32.26 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054705.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 14:59
Sample : Q2487-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.836	2.805	2.882	BV	1109	15078	0.31%	0.019%
2	2.902	2.882	2.941	VV	3300	45003	0.92%	0.058%
3	2.957	2.941	3.013	VV	686	18320	0.38%	0.023%
4	3.031	3.013	3.040	VV	973	8943	0.18%	0.011%
5	3.054	3.040	3.085	VV	1598	19949	0.41%	0.026%
6	3.111	3.085	3.145	VV	615	10246	0.21%	0.013%
7	3.150	3.145	3.178	VV	258	1846	0.04%	0.002%
8	3.201	3.178	3.216	PV	630	8058	0.17%	0.010%
9	3.232	3.216	3.355	VV	3056	49372	1.01%	0.063%
10	3.395	3.355	3.404	PV	999	15586	0.32%	0.020%
11	3.419	3.404	3.477	VV	2721	36936	0.76%	0.047%
12	3.489	3.477	3.508	VV	388	3626	0.07%	0.005%
13	3.525	3.508	3.548	VV	721	8919	0.18%	0.011%
14	3.561	3.548	3.577	VV	686	8581	0.18%	0.011%
15	3.600	3.577	3.681	VV	20559	193865	3.98%	0.248%
16	3.699	3.681	3.725	PV	615	7364	0.15%	0.009%
17	3.754	3.725	3.835	VV	17296	245229	5.04%	0.314%
18	3.854	3.835	3.867	VV	1362	17426	0.36%	0.022%
19	3.888	3.867	3.944	VV	16973	161791	3.32%	0.207%
20	3.954	3.944	3.985	VV	175	1744	0.04%	0.002%
21	4.004	3.985	4.041	PV	12439	112214	2.31%	0.144%
22	4.093	4.041	4.173	VV	48284	450571	9.26%	0.577%
23	4.199	4.173	4.207	PV	860	8607	0.18%	0.011%
24	4.215	4.207	4.236	VV	830	9846	0.20%	0.013%
25	4.266	4.236	4.297	VV	1146	21767	0.45%	0.028%
26	4.326	4.297	4.350	VV	547	9632	0.20%	0.012%
27	4.400	4.350	4.421	VV	4254	69986	1.44%	0.090%
28	4.436	4.421	4.516	VV	2627	40735	0.84%	0.052%
29	4.534	4.516	4.548	VV	876	8519	0.18%	0.011%
30	4.559	4.548	4.585	VV	331	5327	0.11%	0.007%
31	4.598	4.585	4.646	VV	476	10656	0.22%	0.014%
32	4.677	4.646	4.707	VV	2240	28245	0.58%	0.036%
33	4.719	4.707	4.733	VV	625	7111	0.15%	0.009%
34	4.742	4.733	4.755	VV	494	5352	0.11%	0.007%
35	4.767	4.755	4.821	VV	943	12445	0.26%	0.016%
36	4.845	4.821	4.879	PV	866	11132	0.23%	0.014%

					rteres			
37	4.908	4.879	4.943	VV	591	11784	0.24%	0.015%
38	4.961	4.943	4.979	VV	712	7802	0.16%	0.010%
39	4.991	4.979	5.008	VV	312	3731	0.08%	0.005%
40	5.020	5.008	5.035	VV	228	2653	0.05%	0.003%
41	5.046	5.035	5.059	VV	463	4281	0.09%	0.005%
42	5.097	5.059	5.114	VV	628	11478	0.24%	0.015%
43	5.135	5.114	5.161	VV	582	11542	0.24%	0.015%
44	5.196	5.161	5.219	VV	743	14986	0.31%	0.019%
45	5.261	5.219	5.278	VV	421	9925	0.20%	0.013%
46	5.296	5.278	5.317	VV	426	6887	0.14%	0.009%
47	5.355	5.317	5.373	VV	582	11380	0.23%	0.015%
48	5.389	5.373	5.412	VV	771	10351	0.21%	0.013%
49	5.432	5.412	5.454	VV	748	10922	0.22%	0.014%
50	5.468	5.454	5.481	VV	635	6788	0.14%	0.009%
51	5.498	5.481	5.535	VV	941	13051	0.27%	0.017%
52	5.556	5.535	5.603	PV	2224	34157	0.70%	0.044%
53	5.623	5.603	5.645	VV	1210	17041	0.35%	0.022%
54	5.665	5.645	5.683	VV	571	9447	0.19%	0.012%
55	5.697	5.683	5.712	VV	657	7317	0.15%	0.009%
56	5.725	5.712	5.737	VV	300	3971	0.08%	0.005%
57	5.756	5.737	5.781	VV	1380	17268	0.35%	0.022%
58	5.818	5.781	5.835	VV	3032	37846	0.78%	0.048%
59	5.851	5.835	5.905	VV	1544	32088	0.66%	0.041%
60	5.923	5.905	5.981	VV	360	11361	0.23%	0.015%
61	6.010	5.981	6.040	VV	1823	27692	0.57%	0.035%
62	6.088	6.040	6.101	VV	566	14797	0.30%	0.019%
63	6.122	6.101	6.167	VV	1219	28225	0.58%	0.036%
64	6.188	6.167	6.198	VV	488	7028	0.14%	0.009%
65	6.211	6.198	6.223	VV	587	5916	0.12%	0.008%
66	6.239	6.223	6.281	VV	603	12477	0.26%	0.016%
67	6.300	6.281	6.321	PV	662	7370	0.15%	0.009%
68	6.356	6.321	6.374	VV	1406	23207	0.48%	0.030%
69	6.395	6.374	6.432	VV	5878	77568	1.59%	0.099%
70	6.450	6.432	6.471	VV	1460	19576	0.40%	0.025%
71	6.498	6.471	6.522	VV	1375	22880	0.47%	0.029%
72	6.560	6.522	6.575	VV	1601	30539	0.63%	0.039%
73	6.585	6.575	6.613	VV	937	17196	0.35%	0.022%
74	6.640	6.613	6.668	VV	1096	26368	0.54%	0.034%
75	6.695	6.668	6.713	VV	2895	38684	0.79%	0.050%
76	6.728	6.713	6.748	VV	1353	19452	0.40%	0.025%
77	6.773	6.748	6.789	VV	1205	22541	0.46%	0.029%
78	6.804	6.789	6.831	VV	1558	24493	0.50%	0.031%
79	6.853	6.831	6.905	VV	3135	55043	1.13%	0.070%
80	6.929	6.905	6.957	VV	1381	25790	0.53%	0.033%
81	7.007	6.957	7.028	VV	4276	66284	1.36%	0.085%
82	7.049	7.028	7.070	VV	2371	35361	0.73%	0.045%
83	7.081	7.070	7.098	VV	941	10824	0.22%	0.014%
84	7.138	7.098	7.161	VV	1206	28845	0.59%	0.037%
85	7.187	7.161	7.212	VV	1323	28899	0.59%	0.037%
86	7.223	7.212	7.237	VV	862	10090	0.21%	0.013%
87	7.265	7.237	7.291	VV	1220	25135	0.52%	0.032%
88	7.329	7.291	7.351	VV	1105	26518	0.54%	0.034%
89	7.369	7.351	7.411	VV	2398	59414	1.22%	0.076%

					rteres			
90	7.430	7.411	7.457	VV	2816	41116	0.84%	0.053%
91	7.495	7.457	7.517	VV	4693	71771	1.47%	0.092%
92	7.534	7.517	7.555	VV	2118	28235	0.58%	0.036%
93	7.577	7.555	7.615	VV	5764	86003	1.77%	0.110%
94	7.635	7.615	7.657	VV	4394	50083	1.03%	0.064%
95	7.681	7.657	7.705	VV	1725	32523	0.67%	0.042%
96	7.723	7.705	7.743	VV	1037	20162	0.41%	0.026%
97	7.803	7.743	7.835	VV	3352	73464	1.51%	0.094%
98	7.857	7.835	7.881	VV	1060	22678	0.47%	0.029%
99	7.898	7.881	7.912	VV	1130	17029	0.35%	0.022%
100	7.944	7.912	7.956	VV	1206	27098	0.56%	0.035%
101	7.982	7.956	8.008	VV	2622	48954	1.01%	0.063%
102	8.024	8.008	8.055	VV	1694	27259	0.56%	0.035%
103	8.071	8.055	8.083	VV	715	9052	0.19%	0.012%
104	8.177	8.167	8.190	VV	1135	13659	0.28%	0.017%
105	8.205	8.190	8.216	VV	1423	18599	0.38%	0.024%
106	8.238	8.216	8.252	VV	2103	33518	0.69%	0.043%
107	8.267	8.252	8.278	VV	1850	24269	0.50%	0.031%
108	8.292	8.278	8.312	VV	2335	29886	0.61%	0.038%
109	8.335	8.312	8.358	VV	1833	28265	0.58%	0.036%
110	8.397	8.358	8.409	VV	1762	38536	0.79%	0.049%
111	8.433	8.409	8.459	VV	2099	43388	0.89%	0.056%
112	8.468	8.459	8.477	VV	738	6947	0.14%	0.009%
113	8.509	8.477	8.544	VV	6929	101230	2.08%	0.130%
114	8.570	8.544	8.586	VV	1483	29804	0.61%	0.038%
115	8.618	8.586	8.633	VV	4091	62219	1.28%	0.080%
116	8.645	8.633	8.662	VV	3114	39333	0.81%	0.050%
117	8.688	8.662	8.718	VV	4462	81747	1.68%	0.105%
118	8.740	8.718	8.761	VV	1811	36133	0.74%	0.046%
119	8.804	8.761	8.844	VV	2697	81870	1.68%	0.105%
120	8.861	8.844	8.877	VV	1737	25232	0.52%	0.032%
121	8.894	8.877	8.933	VV	1380	32452	0.67%	0.042%
122	8.945	8.933	8.953	VV	777	7900	0.16%	0.010%
123	9.053	9.039	9.078	VV	1805	33758	0.69%	0.043%
124	9.105	9.078	9.129	VV	9381	113335	2.33%	0.145%
125	9.157	9.129	9.175	VV	2437	51102	1.05%	0.065%
126	9.195	9.175	9.212	VV	4221	56274	1.16%	0.072%
127	9.232	9.212	9.258	VV	5197	69942	1.44%	0.090%
128	9.280	9.258	9.301	VV	758	16943	0.35%	0.022%
129	9.318	9.301	9.330	VV	1202	15848	0.33%	0.020%
130	9.347	9.330	9.362	VV	1891	25336	0.52%	0.032%
131	9.380	9.362	9.399	VV	4547	53799	1.11%	0.069%
132	9.420	9.399	9.463	VV	3392	72145	1.48%	0.092%
133	9.470	9.463	9.488	VV	1342	15704	0.32%	0.020%
134	9.519	9.488	9.541	VV	3631	53629	1.10%	0.069%
135	9.558	9.541	9.588	VV	1936	29306	0.60%	0.038%
136	9.605	9.588	9.632	VV	849	15768	0.32%	0.020%
137	9.675	9.632	9.692	VV	1538	25972	0.53%	0.033%
138	9.708	9.692	9.742	VV	1451	20953	0.43%	0.027%
139	9.758	9.742	9.776	VV	525	7266	0.15%	0.009%
140	9.813	9.776	9.835	VV	1508	23606	0.49%	0.030%
141	9.856	9.835	9.871	VV	708	10237	0.21%	0.013%

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142	9.897	9.871	9.954	VV	7478	107830	2.22%	0.138%
143	9.978	9.954	10.005	VV	2474	42743	0.88%	0.055%
144	10.019	10.005	10.030	VV	1124	13500	0.28%	0.017%
145	10.051	10.030	10.095	VV	2441	49403	1.02%	0.063%
146	10.110	10.095	10.148	VV	1390	26223	0.54%	0.034%
147	10.175	10.148	10.202	VV	38093	386662	7.94%	0.495%
148	10.221	10.202	10.232	VV	2399	27804	0.57%	0.036%
149	10.238	10.232	10.285	VV	1866	32695	0.67%	0.042%
150	10.305	10.285	10.359	VV	3244	73323	1.51%	0.094%
151	10.387	10.359	10.400	VV	698	11693	0.24%	0.015%
152	10.413	10.400	10.453	VV	561	10658	0.22%	0.014%
153	10.484	10.453	10.528	VV	469	8792	0.18%	0.011%
154	10.541	10.528	10.562	VV	110	1856	0.04%	0.002%
155	10.582	10.562	10.605	PV	220	2665	0.05%	0.003%
156	10.651	10.605	10.674	PV	3348	40613	0.83%	0.052%
157	10.697	10.674	10.719	VV	2071	29250	0.60%	0.037%
158	10.753	10.719	10.768	VV	1673	29156	0.60%	0.037%
159	10.784	10.768	10.807	VV	2221	30041	0.62%	0.038%
160	10.827	10.807	10.870	VV	1496	23430	0.48%	0.030%
161	10.903	10.870	10.934	VV	1465	27969	0.57%	0.036%
162	10.955	10.934	10.989	VV	3843	53331	1.10%	0.068%
163	11.001	10.989	11.014	VV	840	10146	0.21%	0.013%
164	11.046	11.014	11.064	VV	3734	51222	1.05%	0.066%
165	11.074	11.064	11.087	VV	1399	14277	0.29%	0.018%
166	11.114	11.087	11.191	VV	4757	94379	1.94%	0.121%
167	11.206	11.191	11.224	VV	820	9614	0.20%	0.012%
168	11.241	11.224	11.258	VV	458	6382	0.13%	0.008%
169	11.276	11.258	11.284	VV	992	9492	0.20%	0.012%
170	11.309	11.284	11.355	VV	66157	691343	14.21%	0.885%
171	11.384	11.355	11.428	VV	15590	193672	3.98%	0.248%
172	11.442	11.428	11.462	VV	1204	17654	0.36%	0.023%
173	11.482	11.462	11.495	VV	570	10088	0.21%	0.013%
174	11.500	11.495	11.538	VV	499	8928	0.18%	0.011%
175	11.556	11.538	11.574	VV	1478	16887	0.35%	0.022%
176	11.595	11.574	11.641	VV	4947	58616	1.20%	0.075%
177	11.683	11.641	11.711	PV	954	24966	0.51%	0.032%
178	11.718	11.711	11.730	VV	881	8791	0.18%	0.011%
179	11.753	11.730	11.775	VV	4884	59705	1.23%	0.076%
180	11.843	11.775	11.874	VV	3743	82977	1.70%	0.106%
181	11.913	11.874	11.932	VV	1148	17930	0.37%	0.023%
182	11.965	11.932	11.983	PV	1428	20562	0.42%	0.026%
183	12.003	11.983	12.018	VV	807	11582	0.24%	0.015%
184	12.081	12.018	12.105	VV	454856	4866879	100.00%	6.229%
185	12.116	12.105	12.131	VV	8037	83390	1.71%	0.107%
186	12.147	12.131	12.191	VV	10754	130329	2.68%	0.167%
187	12.233	12.191	12.251	VV	9556	149177	3.07%	0.191%
188	12.266	12.251	12.280	VV	5240	58768	1.21%	0.075%
189	12.297	12.280	12.323	VV	6769	81110	1.67%	0.104%
190	12.335	12.323	12.348	VV	309	2656	0.05%	0.003%
191	12.373	12.348	12.388	PV	904	12517	0.26%	0.016%
192	12.424	12.388	12.448	VV	4770	73937	1.52%	0.095%
193	12.472	12.448	12.495	VV	5781	66763	1.37%	0.085%
194	12.518	12.495	12.562	VV	1625	32476	0.67%	0.042%

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195	12.587	12.562	12.608	VV	5152	58823	1.21%	0.075%
196	12.621	12.608	12.632	VV	835	9283	0.19%	0.012%
197	12.670	12.632	12.718	VV	48290	585880	12.04%	0.750%
198	12.737	12.718	12.755	VV	1960	34903	0.72%	0.045%
199	12.765	12.755	12.780	VV	1415	16966	0.35%	0.022%
200	12.795	12.780	12.825	VV	1441	31097	0.64%	0.040%
201	12.841	12.825	12.852	VV	1930	24019	0.49%	0.031%
202	12.861	12.852	12.891	VV	1481	23378	0.48%	0.030%
203	12.911	12.891	12.946	VV	2480	46456	0.95%	0.059%
204	12.969	12.946	12.996	VV	2602	43391	0.89%	0.056%
205	13.020	12.996	13.039	VV	5626	80548	1.66%	0.103%
206	13.066	13.039	13.103	VV	9048	159988	3.29%	0.205%
207	13.138	13.103	13.175	VV	91602	1033722	21.24%	1.323%
208	13.196	13.175	13.219	VV	1509	21445	0.44%	0.027%
209	13.239	13.219	13.251	PV	491	6910	0.14%	0.009%
210	13.294	13.251	13.306	VV	1887	41093	0.84%	0.053%
211	13.327	13.306	13.408	VV	3964	103669	2.13%	0.133%
212	13.438	13.408	13.465	PV	73927	833274	17.12%	1.066%
213	13.517	13.465	13.548	VV	327874	4073068	83.69%	5.213%
214	13.557	13.548	13.588	VV	3208	47859	0.98%	0.061%
215	13.635	13.588	13.658	VV	4249	94734	1.95%	0.121%
216	13.702	13.658	13.722	PV	6490	148741	3.06%	0.190%
217	13.745	13.722	13.760	VV	3359	66985	1.38%	0.086%
218	13.774	13.760	13.798	VV	3158	48753	1.00%	0.062%
219	13.834	13.798	13.851	VV	2799	44719	0.92%	0.057%
220	13.862	13.851	13.873	VV	1337	14795	0.30%	0.019%
221	13.906	13.873	13.941	VV	17912	272222	5.59%	0.348%
222	13.963	13.941	13.984	VV	6218	85803	1.76%	0.110%
223	14.027	13.984	14.063	VV	13333	218159	4.48%	0.279%
224	14.089	14.063	14.110	VV	2886	48920	1.01%	0.063%
225	14.136	14.110	14.158	VV	8572	121037	2.49%	0.155%
226	14.177	14.158	14.195	VV	6315	75219	1.55%	0.096%
227	14.220	14.195	14.245	VV	16639	211069	4.34%	0.270%
228	14.269	14.245	14.292	VV	15814	216667	4.45%	0.277%
229	14.306	14.292	14.327	VV	6022	79280	1.63%	0.101%
230	14.347	14.327	14.364	VV	4763	63248	1.30%	0.081%
231	14.377	14.364	14.397	VV	2899	39948	0.82%	0.051%
232	14.417	14.397	14.438	VV	1822	27515	0.57%	0.035%
233	14.504	14.438	14.525	VV	1886	45617	0.94%	0.058%
234	14.536	14.525	14.549	VV	713	7687	0.16%	0.010%
235	14.564	14.549	14.585	VV	821	8488	0.17%	0.011%
236	14.665	14.585	14.681	PV	1284	23092	0.47%	0.030%
237	14.764	14.681	14.791	VV	5946	148725	3.06%	0.190%
238	14.833	14.791	14.858	VV	14195	209200	4.30%	0.268%
239	14.869	14.858	14.898	VV	2083	32990	0.68%	0.042%
240	14.945	14.898	14.983	VV	6224	135835	2.79%	0.174%
241	15.009	14.983	15.029	VV	10727	137838	2.83%	0.176%
242	15.064	15.029	15.098	VV	6418	131107	2.69%	0.168%
243	15.134	15.098	15.145	VV	1289	26320	0.54%	0.034%
244	15.211	15.145	15.249	VV	3377	99985	2.05%	0.128%
245	15.272	15.249	15.290	VV	3656	45456	0.93%	0.058%
246	15.321	15.290	15.343	VV	45659	606746	12.47%	0.777%

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247	15.365	15.343	15.401	VV	51338	801944	16.48%	1.026%
248	15.411	15.401	15.443	VV	1934	29125	0.60%	0.037%
249	15.484	15.443	15.541	VV	9221	198525	4.08%	0.254%
250	15.559	15.541	15.591	VV	3068	49840	1.02%	0.064%
251	15.624	15.591	15.650	PV	3600	65056	1.34%	0.083%
252	15.669	15.650	15.722	VV	3743	86455	1.78%	0.111%
253	15.758	15.722	15.849	VV	18090	319163	6.56%	0.408%
254	15.897	15.849	15.935	PV	24231	358823	7.37%	0.459%
255	15.954	15.935	15.971	VV	2951	43100	0.89%	0.055%
256	15.996	15.971	16.017	VV	9428	123804	2.54%	0.158%
257	16.034	16.017	16.060	VV	4429	54300	1.12%	0.069%
258	16.079	16.060	16.097	VV	2182	27229	0.56%	0.035%
259	16.159	16.097	16.190	VV	6204	160794	3.30%	0.206%
260	16.233	16.190	16.261	VV	3134	60611	1.25%	0.078%
261	16.283	16.261	16.302	VV	1145	19223	0.39%	0.025%
262	16.318	16.302	16.334	VV	1893	22960	0.47%	0.029%
263	16.352	16.334	16.370	VV	2015	27958	0.57%	0.036%
264	16.399	16.370	16.494	VV	36203	508939	10.46%	0.651%
265	16.609	16.494	16.645	PV	3059	98143	2.02%	0.126%
266	16.667	16.645	16.679	PV	2783	32541	0.67%	0.042%
267	16.709	16.679	16.732	VV	4017	81467	1.67%	0.104%
268	16.780	16.732	16.835	VV	4344	154416	3.17%	0.198%
269	16.885	16.835	16.943	PV	86391	1364765	28.04%	1.747%
270	16.968	16.943	16.990	VV	7591	103855	2.13%	0.133%
271	17.015	16.990	17.041	VV	27499	368317	7.57%	0.471%
272	17.051	17.041	17.087	VV	3469	65801	1.35%	0.084%
273	17.108	17.087	17.123	VV	2760	35289	0.73%	0.045%
274	17.207	17.123	17.235	VV	26907	513769	10.56%	0.658%
275	17.265	17.235	17.299	VV	36588	480040	9.86%	0.614%
276	17.352	17.299	17.408	PV	47133	819383	16.84%	1.049%
277	17.422	17.408	17.438	VV	3646	49698	1.02%	0.064%
278	17.505	17.438	17.528	VV	3946	129302	2.66%	0.165%
279	17.578	17.528	17.591	VV	3895	104266	2.14%	0.133%
280	17.626	17.591	17.661	VV	7631	238172	4.89%	0.305%
281	17.681	17.661	17.703	VV	5049	104463	2.15%	0.134%
282	17.729	17.703	17.738	VV	3892	68807	1.41%	0.088%
283	17.764	17.738	17.778	VV	6670	112869	2.32%	0.144%
284	17.802	17.778	17.831	VV	44007	662273	13.61%	0.848%
285	17.855	17.831	17.871	VV	5204	87977	1.81%	0.113%
286	17.884	17.871	17.899	VV	4241	61407	1.26%	0.079%
287	17.935	17.899	17.961	VV	7769	175854	3.61%	0.225%
288	17.993	17.961	18.004	VV	3491	69250	1.42%	0.089%
289	18.025	18.004	18.044	VV	2903	50584	1.04%	0.065%
290	18.086	18.044	18.109	VV	4611	92157	1.89%	0.118%
291	18.153	18.109	18.162	VV	3320	68746	1.41%	0.088%
292	18.242	18.162	18.281	VV	45401	785518	16.14%	1.005%
293	18.324	18.281	18.341	PV	2462	55519	1.14%	0.071%
294	18.407	18.341	18.429	VV	13380	314963	6.47%	0.403%
295	18.437	18.429	18.468	VV	7380	125091	2.57%	0.160%
296	18.511	18.468	18.531	VV	6000	164878	3.39%	0.211%
297	18.548	18.531	18.588	VV	9419	246406	5.06%	0.315%
298	18.605	18.588	18.615	VV	11414	153830	3.16%	0.197%
299	18.637	18.615	18.651	VV	29298	443341	9.11%	0.567%

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300	18.665	18.651	18.705	VV	37965	610554	12.55%	0.781%
301	18.722	18.705	18.735	VV	5651	73894	1.52%	0.095%
302	18.773	18.735	18.791	VV	17063	311555	6.40%	0.399%
303	18.802	18.791	18.865	VV	11141	264772	5.44%	0.339%
304	18.894	18.865	18.921	VV	27667	415855	8.54%	0.532%
305	18.934	18.921	18.958	VV	7214	122507	2.52%	0.157%
306	18.976	18.958	19.002	VV	7862	149918	3.08%	0.192%
307	19.026	19.002	19.045	VV	10049	177836	3.65%	0.228%
308	19.077	19.045	19.132	VV	34165	620477	12.75%	0.794%
309	19.199	19.132	19.227	VV	12828	366260	7.53%	0.469%
310	19.247	19.227	19.275	VV	11103	229635	4.72%	0.294%
311	19.285	19.275	19.301	VV	6167	97616	2.01%	0.125%
312	19.334	19.301	19.349	VV	10838	246227	5.06%	0.315%
313	19.373	19.349	19.394	VV	10387	244101	5.02%	0.312%
314	19.440	19.394	19.454	VV	23739	509661	10.47%	0.652%
315	19.473	19.454	19.513	VV	30902	685210	14.08%	0.877%
316	19.534	19.513	19.553	VV	10962	238203	4.89%	0.305%
317	19.609	19.553	19.641	VV	13400	593868	12.20%	0.760%
318	19.653	19.641	19.665	VV	11184	146038	3.00%	0.187%
319	19.679	19.665	19.691	VV	11772	172642	3.55%	0.221%
320	19.715	19.691	19.738	VV	12767	333120	6.84%	0.426%
321	19.770	19.738	19.795	VV	13056	412751	8.48%	0.528%
322	19.811	19.795	19.821	VV	12735	179596	3.69%	0.230%
323	19.861	19.821	19.891	VV	29646	773899	15.90%	0.991%
324	19.909	19.891	19.940	VV	18808	460429	9.46%	0.589%
325	19.997	19.940	20.014	VV	19593	761728	15.65%	0.975%
326	20.052	20.014	20.075	VV	30129	832825	17.11%	1.066%
327	20.121	20.075	20.140	VV	29270	956206	19.65%	1.224%
328	20.153	20.140	20.157	VV	25710	266607	5.48%	0.341%
329	20.166	20.157	20.190	VV	26073	468633	9.63%	0.600%
330	20.233	20.190	20.270	VV	45034	1446882	29.73%	1.852%
331	20.301	20.270	20.317	VV	26417	682838	14.03%	0.874%
332	20.342	20.317	20.360	VV	27393	669891	13.76%	0.857%
333	20.428	20.360	20.460	VV	39482	1840408	37.81%	2.356%
334	20.504	20.460	20.514	VV	37109	1096343	22.53%	1.403%
335	20.526	20.514	20.550	VV	37474	798008	16.40%	1.021%
336	20.603	20.550	20.650	VV	47996	2338493	48.05%	2.993%
337	20.688	20.650	20.731	VV	40246	1881212	38.65%	2.408%
338	20.761	20.731	20.799	VV	39856	1568914	32.24%	2.008%
339	20.820	20.799	20.850	VV	38015	1113204	22.87%	1.425%
340	20.865	20.850	20.893	VV	38144	951320	19.55%	1.218%
341	20.904	20.893	20.948	VV	36756	1105132	22.71%	1.414%
342	20.971	20.948	21.020	VV	38876	1408097	28.93%	1.802%
343	21.048	21.020	21.073	VV	34812	1032416	21.21%	1.321%
344	21.126	21.073	21.168	VV	51224	2165638	44.50%	2.772%
345	21.178	21.168	21.215	VV	29038	793565	16.31%	1.016%
346	21.225	21.215	21.248	VV	28330	535936	11.01%	0.686%
347	21.269	21.248	21.281	VV	26419	516151	10.61%	0.661%
348	21.292	21.281	21.324	VV	27755	674827	13.87%	0.864%
349	21.384	21.324	21.457	VV	34418	2226351	45.74%	2.849%
350	21.466	21.457	21.561	VV	24217	1343845	27.61%	1.720%
351	21.575	21.561	21.588	VV	20462	319080	6.56%	0.408%

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352	21.595	21.588	21.605	VV	20137	206875	4.25%	0.265%
353	21.643	21.605	21.671	VV	21420	794091	16.32%	1.016%
354	21.717	21.671	21.781	VV	20965	1207547	24.81%	1.546%
355	21.790	21.781	21.814	VV	15174	283349	5.82%	0.363%
356	21.861	21.814	21.895	VV	16836	738324	15.17%	0.945%
357	21.900	21.895	21.935	VV	14875	281475	5.78%	0.360%
358	21.955	21.935	21.985	VV	11272	305702	6.28%	0.391%
359	21.995	21.985	22.045	VV	11424	332564	6.83%	0.426%
360	22.057	22.045	22.084	VV	7801	162476	3.34%	0.208%
361	22.097	22.084	22.107	VV	7327	76879	1.58%	0.098%
362	22.119	22.107	22.151	VV	7086	129157	2.65%	0.165%
363	22.162	22.151	22.191	VV	3532	67351	1.38%	0.086%
364	22.227	22.191	22.251	VV	4366	118828	2.44%	0.152%
365	22.267	22.251	22.277	VV	3361	38681	0.79%	0.050%
366	22.299	22.277	22.338	VV	5449	99451	2.04%	0.127%
					Sum of corrected areas:	78132083		

Aliphatic EPH 062725.M Tue Jul 08 05:02:07 2025

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G4(6-12)	SDG No.:	Q2487
Lab Sample ID:	Q2487-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	72.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/03/25 09:30	07/07/25 15:29	PB168723

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	24.2		1	1.62	2.75	mg/kg FE054706.D
Aliphatic C9-C28	Aliphatic C9-C28	5.62		1	1.25	5.49	mg/kg FE054706.D
Total AliphaticEPH	Total AliphaticEPH	29.8			2.87	8.24	mg/kg
Total EPH	Total EPH	29.8			2.87	8.24	mg/kg

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G4(6-12)	SDG No.:	Q2487
Lab Sample ID:	Q2487-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	72.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054706.D	1	07/03/25	07/07/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.62		1.25	5.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.2		1.62	2.75	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.5		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.6		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2487-10	Acq On:	07 Jul 2025 15:29
Client Sample ID:	G4(6-12)	Operator:	YP\AJ
Data file:	FE054706.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.953	1825575	13.418	300	ug/ml
Aliphatic C12-C16	6.954	10.404	1030756	7.333	200	ug/ml
Aliphatic C16-C21	10.405	13.782	1941844	13.448	300	ug/ml
Aliphatic C21-C28	13.783	17.452	3933999	27.196	400	ug/ml
Aliphatic C28-C40	17.453	22.469	36698649	264.69	600	ug/ml
Aliphatic EPH	3.322	22.469	45430823	326.086		ug/ml
ortho-Terphenyl (SURR)	12.081	12.081	4485725	27.62		ug/ml
1-chlorooctadecane (SURR)	13.517	13.517	3597566	28.49		ug/ml
Aliphatic C9-C28	3.322	17.452	8732174	61.395	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054706.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jul 2025 15:29
 Operator : YP\AJ
 Sample : Q2487-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 G4(6-12)

Integration File: sample.E
 Quant Time: Jul 08 03:31:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.081	4485725	27.623 ug/ml
Spiked Amount 50.000		Recovery =	55.25%
12) S 1-chlorooctadecane (S...	13.517	3597566	28.486 ug/ml
Spiked Amount 50.000		Recovery =	56.97%

Target Compounds

(f)=RT Delta > 1/2 Window

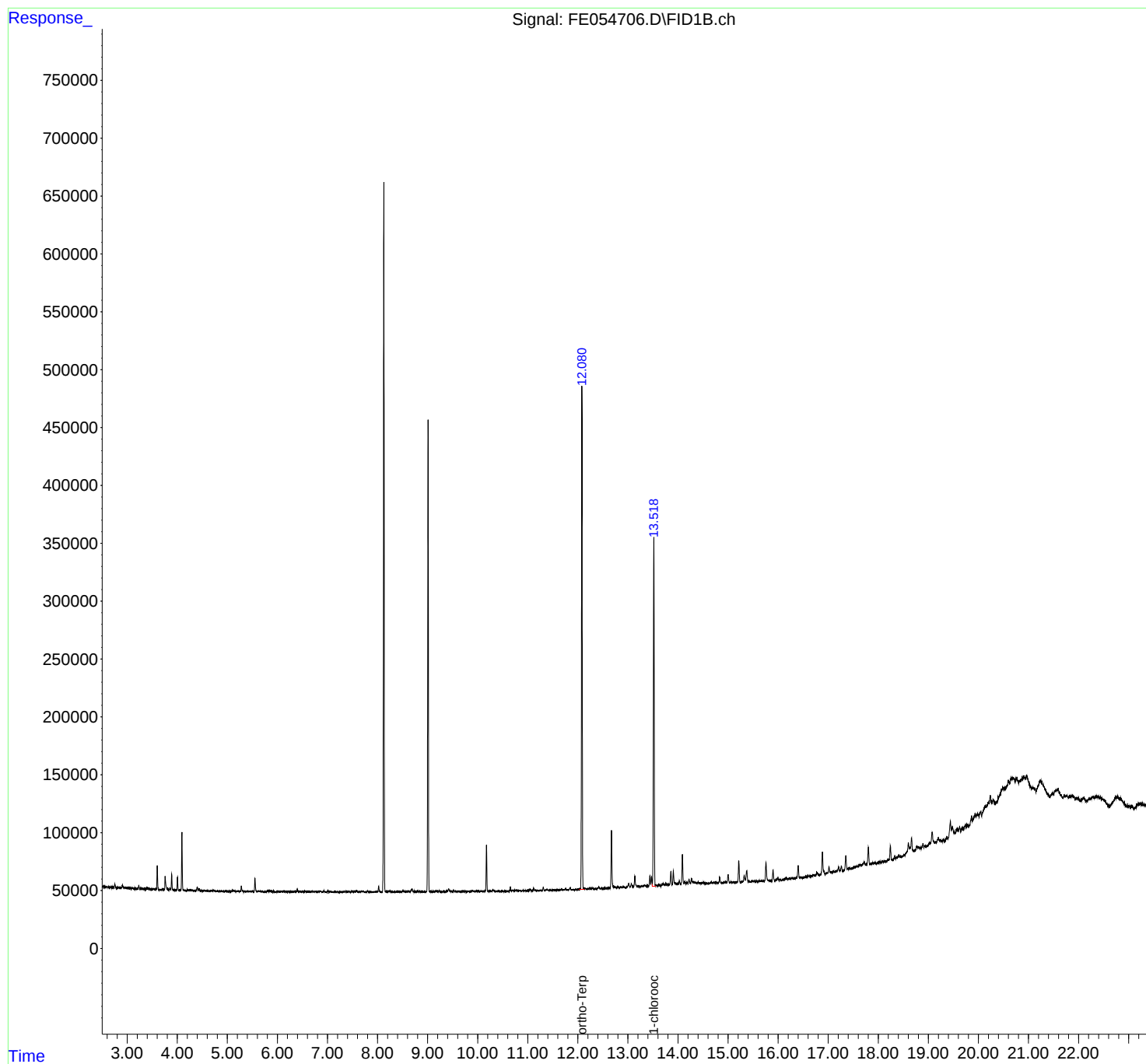
(m)=manual int.

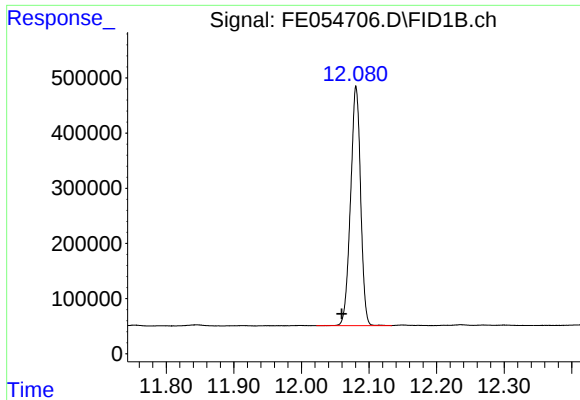
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054706.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 15:29
Operator : YP\AJ
Sample : Q2487-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
G4(6-12)

Integration File: sample.E
Quant Time: Jul 08 03:31:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

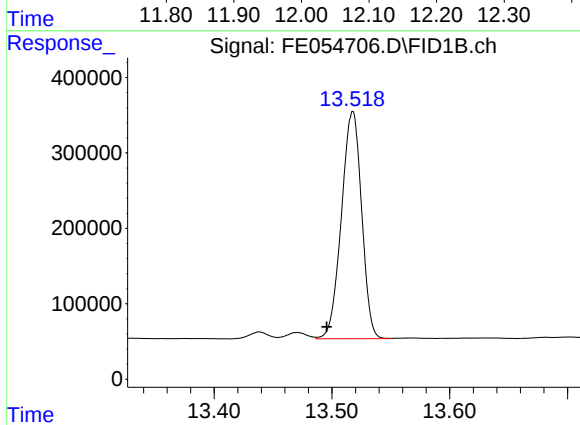




#9 ortho-Terphenyl (SURR)

R.T.: 12.081 min
Delta R.T.: 0.021 min
Response: 4485725
Conc: 27.62 ug/ml

Instrument :
FID_E
ClientSampleId :
G4(6-12)



#12 1-chlorooctadecane (SURR)

R.T.: 13.517 min
Delta R.T.: 0.022 min
Response: 3597566
Conc: 28.49 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054706.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 15:29
Sample : Q2487-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.837	2.804	2.883	BV	569	8273	0.18%	0.015%
2	2.903	2.883	3.014	VV	2557	50940	1.13%	0.095%
3	3.032	3.014	3.081	VV	357	9708	0.22%	0.018%
4	3.108	3.081	3.129	VV	418	7914	0.18%	0.015%
5	3.136	3.129	3.159	VV	230	3257	0.07%	0.006%
6	3.168	3.159	3.208	VV	238	3939	0.09%	0.007%
7	3.231	3.208	3.261	VV	3154	36126	0.80%	0.067%
8	3.273	3.261	3.351	VV	809	21756	0.48%	0.041%
9	3.396	3.351	3.409	PV	1001	16186	0.36%	0.030%
10	3.418	3.409	3.434	VV	728	8329	0.18%	0.016%
11	3.445	3.434	3.475	VV	490	8464	0.19%	0.016%
12	3.491	3.475	3.507	VV	334	4027	0.09%	0.008%
13	3.525	3.507	3.543	VV	733	9159	0.20%	0.017%
14	3.556	3.543	3.576	VV	570	8654	0.19%	0.016%
15	3.601	3.576	3.681	VV	20792	198950	4.42%	0.371%
16	3.699	3.681	3.731	PV	541	7642	0.17%	0.014%
17	3.759	3.731	3.831	VV	11716	160863	3.57%	0.300%
18	3.853	3.831	3.868	VV	1410	18784	0.42%	0.035%
19	3.889	3.868	3.938	VV	13944	133382	2.96%	0.248%
20	3.957	3.938	3.984	VV	281	3413	0.08%	0.006%
21	4.004	3.984	4.040	PV	11492	105651	2.35%	0.197%
22	4.093	4.040	4.173	VV	49664	463125	10.29%	0.863%
23	4.201	4.173	4.228	PV	863	14121	0.31%	0.026%
24	4.236	4.228	4.251	VV	399	4828	0.11%	0.009%
25	4.269	4.251	4.361	VV	568	14430	0.32%	0.027%
26	4.401	4.361	4.421	VV	3256	45224	1.00%	0.084%
27	4.436	4.421	4.516	VV	2089	28310	0.63%	0.053%
28	4.535	4.516	4.589	VV	822	11845	0.26%	0.022%
29	4.622	4.589	4.653	VV	218	5065	0.11%	0.009%
30	4.677	4.653	4.692	VV	895	10207	0.23%	0.019%
31	4.716	4.692	4.782	VV	664	19725	0.44%	0.037%
32	4.790	4.782	4.819	VV	257	3507	0.08%	0.007%
33	4.845	4.819	4.884	PV	539	7628	0.17%	0.014%
34	4.904	4.884	4.944	VV	349	6095	0.14%	0.011%
35	4.962	4.944	5.008	VV	518	8648	0.19%	0.016%
36	5.042	5.008	5.067	VV	449	7849	0.17%	0.015%

					rteres			
37	5.103	5.067	5.167	VV	811	24161	0.54%	0.045%
38	5.197	5.167	5.214	VV	533	8986	0.20%	0.017%
39	5.225	5.214	5.250	VV	433	6184	0.14%	0.012%
40	5.279	5.250	5.373	VV	4832	61776	1.37%	0.115%
41	5.392	5.373	5.420	VV	573	8457	0.19%	0.016%
42	5.434	5.420	5.452	VV	152	2407	0.05%	0.004%
43	5.468	5.452	5.478	VV	242	2148	0.05%	0.004%
44	5.498	5.478	5.526	VV	301	4949	0.11%	0.009%
45	5.551	5.526	5.601	PV	11630	131107	2.91%	0.244%
46	5.621	5.601	5.641	VV	851	12298	0.27%	0.023%
47	5.660	5.641	5.681	VV	611	7529	0.17%	0.014%
48	5.700	5.681	5.777	PV	339	6438	0.14%	0.012%
49	5.795	5.777	5.806	VV	664	6381	0.14%	0.012%
50	5.819	5.806	5.834	VV	844	9481	0.21%	0.018%
51	5.853	5.834	5.911	VV	1354	22882	0.51%	0.043%
52	5.924	5.911	5.994	VV	581	8536	0.19%	0.016%
53	6.011	5.994	6.044	VV	433	6185	0.14%	0.012%
54	6.066	6.044	6.108	PV	290	6845	0.15%	0.013%
55	6.123	6.108	6.171	VV	382	6963	0.15%	0.013%
56	6.190	6.171	6.223	VV	162	2725	0.06%	0.005%
57	6.251	6.223	6.262	VV	210	2911	0.06%	0.005%
58	6.274	6.262	6.291	VV	197	1537	0.03%	0.003%
59	6.302	6.291	6.328	VV	223	3147	0.07%	0.006%
60	6.354	6.328	6.373	VV	360	5992	0.13%	0.011%
61	6.396	6.373	6.434	VV	2810	32178	0.71%	0.060%
62	6.448	6.434	6.468	VV	344	4186	0.09%	0.008%
63	6.495	6.468	6.526	VV	400	8649	0.19%	0.016%
64	6.560	6.526	6.607	VV	401	11782	0.26%	0.022%
65	6.641	6.607	6.671	VV	461	9345	0.21%	0.017%
66	6.695	6.671	6.718	VV	1010	14001	0.31%	0.026%
67	6.731	6.718	6.741	VV	346	3862	0.09%	0.007%
68	6.761	6.741	6.799	VV	453	10266	0.23%	0.019%
69	6.854	6.799	6.900	VV	1067	20885	0.46%	0.039%
70	6.929	6.900	6.973	VV	1159	16285	0.36%	0.030%
71	7.008	6.973	7.038	VV	974	14176	0.31%	0.026%
72	7.051	7.038	7.068	VV	455	5328	0.12%	0.010%
73	7.076	7.068	7.114	VV	99	1504	0.03%	0.003%
74	7.137	7.114	7.161	PV	214	3396	0.08%	0.006%
75	7.184	7.161	7.215	VV	312	5260	0.12%	0.010%
76	7.264	7.215	7.293	VV	205	3952	0.09%	0.007%
77	7.336	7.293	7.347	VV	295	4733	0.11%	0.009%
78	7.367	7.347	7.381	VV	542	7646	0.17%	0.014%
79	7.394	7.381	7.412	VV	431	6663	0.15%	0.012%
80	7.430	7.412	7.457	VV	413	6271	0.14%	0.012%
81	7.496	7.457	7.517	VV	721	11863	0.26%	0.022%
82	7.535	7.517	7.554	VV	473	6311	0.14%	0.012%
83	7.577	7.554	7.621	VV	1439	21418	0.48%	0.040%
84	7.635	7.621	7.651	VV	413	4130	0.09%	0.008%
85	7.709	7.651	7.745	VV	734	19361	0.43%	0.036%
86	7.763	7.745	7.781	VV	240	3954	0.09%	0.007%
87	7.804	7.781	7.843	VV	1119	12931	0.29%	0.024%
88	7.862	7.843	7.909	PV	199	4533	0.10%	0.008%
89	7.943	7.909	7.956	VV	190	3674	0.08%	0.007%

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90	7.984	7.956	8.001	VV	576	9539	0.21%	0.018%
91	8.023	8.001	8.056	VV	5019	53025	1.18%	0.099%
92	8.067	8.056	8.078	VV	144	1609	0.04%	0.003%
93	8.194	8.174	8.204	VV	475	5336	0.12%	0.010%
94	8.235	8.204	8.252	VV	831	15205	0.34%	0.028%
95	8.265	8.252	8.284	VV	535	7587	0.17%	0.014%
96	8.291	8.284	8.317	VV	274	2617	0.06%	0.005%
97	8.338	8.317	8.361	VV	218	2679	0.06%	0.005%
98	8.384	8.361	8.417	PV	293	5980	0.13%	0.011%
99	8.436	8.417	8.478	VV	272	5077	0.11%	0.009%
100	8.509	8.478	8.529	VV	1372	16164	0.36%	0.030%
101	8.538	8.529	8.554	VV	217	2094	0.05%	0.004%
102	8.574	8.554	8.592	VV	438	7548	0.17%	0.014%
103	8.602	8.592	8.633	VV	406	8367	0.19%	0.016%
104	8.688	8.633	8.721	VV	2361	48705	1.08%	0.091%
105	8.733	8.721	8.774	VV	365	6975	0.15%	0.013%
106	8.805	8.774	8.848	VV	569	11656	0.26%	0.022%
107	8.865	8.848	8.875	VV	193	2587	0.06%	0.005%
108	8.888	8.875	8.898	VV	203	1730	0.04%	0.003%
109	8.917	8.898	8.963	VV	131	2840	0.06%	0.005%
110	9.054	9.043	9.090	VV	433	8285	0.18%	0.015%
111	9.107	9.090	9.132	VV	538	6787	0.15%	0.013%
112	9.163	9.132	9.205	VV	932	19909	0.44%	0.037%
113	9.233	9.205	9.281	VV	1221	17240	0.38%	0.032%
114	9.318	9.281	9.334	VV	380	5890	0.13%	0.011%
115	9.346	9.334	9.360	VV	168	2072	0.05%	0.004%
116	9.380	9.360	9.393	VV	662	8245	0.18%	0.015%
117	9.420	9.393	9.488	VV	2312	45041	1.00%	0.084%
118	9.520	9.488	9.548	VV	1590	21310	0.47%	0.040%
119	9.559	9.548	9.590	VV	378	6059	0.13%	0.011%
120	9.603	9.590	9.643	VV	167	3046	0.07%	0.006%
121	9.673	9.643	9.694	VV	212	3890	0.09%	0.007%
122	9.711	9.694	9.745	VV	433	7919	0.18%	0.015%
123	9.757	9.745	9.775	VV	134	1889	0.04%	0.004%
124	9.809	9.775	9.836	PV	254	3794	0.08%	0.007%
125	9.899	9.836	9.949	PV	1009	23308	0.52%	0.043%
126	9.978	9.949	10.026	VV	775	21156	0.47%	0.039%
127	10.080	10.026	10.121	VV	420	13842	0.31%	0.026%
128	10.176	10.121	10.211	VV	40312	407591	9.05%	0.759%
129	10.224	10.211	10.279	VV	434	13318	0.30%	0.025%
130	10.304	10.279	10.355	VV	1651	25075	0.56%	0.047%
131	10.365	10.355	10.375	VV	103	666	0.01%	0.001%
132	10.413	10.375	10.464	VV	301	5935	0.13%	0.011%
133	10.480	10.464	10.503	VV	190	2546	0.06%	0.005%
134	10.515	10.503	10.528	VV	173	1305	0.03%	0.002%
135	10.539	10.528	10.559	VV	87	904	0.02%	0.002%
136	10.583	10.559	10.600	PV	141	1566	0.03%	0.003%
137	10.652	10.600	10.675	VV	3888	42406	0.94%	0.079%
138	10.696	10.675	10.719	VV	1083	14446	0.32%	0.027%
139	10.749	10.719	10.770	VV	888	16517	0.37%	0.031%
140	10.782	10.770	10.806	VV	592	8478	0.19%	0.016%
141	10.832	10.806	10.873	VV	373	10256	0.23%	0.019%

					rteres			
142	10.906	10.873	10.934	PV	362	6090	0.14%	0.011%
143	10.957	10.934	10.988	VV	570	10370	0.23%	0.019%
144	11.001	10.988	11.015	VV	361	5090	0.11%	0.009%
145	11.046	11.015	11.090	VV	1465	24320	0.54%	0.045%
146	11.118	11.090	11.139	VV	1661	23656	0.53%	0.044%
147	11.150	11.139	11.182	VV	417	7403	0.16%	0.014%
148	11.190	11.182	11.219	VV	165	1249	0.03%	0.002%
149	11.252	11.219	11.261	PV	176	2746	0.06%	0.005%
150	11.276	11.261	11.285	VV	269	3134	0.07%	0.006%
151	11.310	11.285	11.352	VV	3089	37631	0.84%	0.070%
152	11.385	11.352	11.404	VV	1307	17726	0.39%	0.033%
153	11.417	11.404	11.427	VV	260	3696	0.08%	0.007%
154	11.444	11.427	11.463	VV	620	8004	0.18%	0.015%
155	11.476	11.463	11.512	VV	253	5295	0.12%	0.010%
156	11.528	11.512	11.545	VV	210	2677	0.06%	0.005%
157	11.562	11.545	11.572	VV	187	1793	0.04%	0.003%
158	11.612	11.572	11.650	VV	419	9287	0.21%	0.017%
159	11.685	11.650	11.707	VV	742	12044	0.27%	0.022%
160	11.753	11.707	11.777	VV	1515	23858	0.53%	0.044%
161	11.791	11.777	11.814	VV	291	4386	0.10%	0.008%
162	11.845	11.814	11.884	VV	1968	32339	0.72%	0.060%
163	11.912	11.884	11.932	VV	534	6790	0.15%	0.013%
164	11.951	11.932	11.960	PV	346	3603	0.08%	0.007%
165	11.999	11.960	12.015	VV	598	11793	0.26%	0.022%
166	12.081	12.015	12.132	VV	433790	4502895	100.00%	8.388%
167	12.150	12.132	12.194	VV	1157	21463	0.48%	0.040%
168	12.236	12.194	12.254	VV	1572	27386	0.61%	0.051%
169	12.269	12.254	12.286	VV	932	13135	0.29%	0.024%
170	12.300	12.286	12.344	VV	852	12828	0.28%	0.024%
171	12.364	12.344	12.380	VV	188	2731	0.06%	0.005%
172	12.423	12.380	12.447	VV	1389	27616	0.61%	0.051%
173	12.474	12.447	12.490	VV	524	7909	0.18%	0.015%
174	12.524	12.490	12.567	PV	521	14295	0.32%	0.027%
175	12.591	12.567	12.607	VV	510	7425	0.16%	0.014%
176	12.671	12.607	12.750	VV	50083	614459	13.65%	1.145%
177	12.765	12.750	12.781	VV	1084	15602	0.35%	0.029%
178	12.795	12.781	12.833	VV	1209	25905	0.58%	0.048%
179	12.867	12.833	12.883	VV	832	16998	0.38%	0.032%
180	12.906	12.883	12.961	VV	857	25950	0.58%	0.048%
181	13.011	12.961	13.044	VV	3189	63714	1.41%	0.119%
182	13.068	13.044	13.111	VV	2973	57097	1.27%	0.106%
183	13.138	13.111	13.181	VV	9781	138382	3.07%	0.258%
184	13.191	13.181	13.215	VV	755	14004	0.31%	0.026%
185	13.239	13.215	13.258	VV	697	14733	0.33%	0.027%
186	13.281	13.258	13.299	VV	740	15377	0.34%	0.029%
187	13.326	13.299	13.361	VV	1315	32978	0.73%	0.061%
188	13.376	13.361	13.410	VV	806	17620	0.39%	0.033%
189	13.438	13.410	13.454	VV	9429	107041	2.38%	0.199%
190	13.471	13.454	13.486	VV	8644	103246	2.29%	0.192%
191	13.517	13.486	13.551	VV	302056	3604675	80.05%	6.715%
192	13.567	13.551	13.588	VV	1061	17988	0.40%	0.034%
193	13.631	13.588	13.657	VV	981	29845	0.66%	0.056%
194	13.701	13.657	13.734	VV	2106	63970	1.42%	0.119%

					rteres			
195	13.754	13.734	13.814	VV	1628	62808	1.39%	0.117%
196	13.858	13.814	13.882	VV	12313	170471	3.79%	0.318%
197	13.907	13.882	13.941	VV	12484	179331	3.98%	0.334%
198	13.952	13.941	13.978	VV	1826	35931	0.80%	0.067%
199	14.027	13.978	14.054	VV	3354	83539	1.86%	0.156%
200	14.088	14.054	14.114	VV	26467	342068	7.60%	0.637%
201	14.137	14.114	14.161	VV	2938	57419	1.28%	0.107%
202	14.178	14.161	14.195	VV	2265	37396	0.83%	0.070%
203	14.221	14.195	14.245	VV	5052	82680	1.84%	0.154%
204	14.271	14.245	14.333	VV	5245	140469	3.12%	0.262%
205	14.348	14.333	14.371	VV	1850	34653	0.77%	0.065%
206	14.406	14.371	14.459	VV	1741	66869	1.49%	0.125%
207	14.501	14.459	14.551	VV	1517	58692	1.30%	0.109%
208	14.569	14.551	14.596	VV	928	20156	0.45%	0.038%
209	14.607	14.596	14.624	VV	663	9434	0.21%	0.018%
210	14.663	14.624	14.688	VV	1595	34491	0.77%	0.064%
211	14.707	14.688	14.728	VV	1335	23260	0.52%	0.043%
212	14.742	14.728	14.753	VV	1020	13582	0.30%	0.025%
213	14.764	14.753	14.783	VV	971	13451	0.30%	0.025%
214	14.834	14.783	14.886	VV	5225	91750	2.04%	0.171%
215	14.912	14.886	14.922	VV	643	11977	0.27%	0.022%
216	14.947	14.922	14.972	VV	1317	26836	0.60%	0.050%
217	15.001	14.972	15.034	VV	7408	105458	2.34%	0.196%
218	15.066	15.034	15.091	VV	1129	21457	0.48%	0.040%
219	15.105	15.091	15.120	VV	545	7480	0.17%	0.014%
220	15.131	15.120	15.147	VV	475	6115	0.14%	0.011%
221	15.155	15.147	15.162	VV	420	3180	0.07%	0.006%
222	15.214	15.162	15.248	VV	18788	245571	5.45%	0.457%
223	15.273	15.248	15.287	VV	884	11598	0.26%	0.022%
224	15.321	15.287	15.344	VV	5865	94490	2.10%	0.176%
225	15.372	15.344	15.401	VV	9859	169484	3.76%	0.316%
226	15.416	15.401	15.440	VV	885	13439	0.30%	0.025%
227	15.484	15.440	15.499	VV	1458	23363	0.52%	0.044%
228	15.523	15.499	15.541	VV	955	16477	0.37%	0.031%
229	15.555	15.541	15.593	VV	568	9883	0.22%	0.018%
230	15.622	15.593	15.650	PV	651	12406	0.28%	0.023%
231	15.673	15.650	15.693	VV	611	11635	0.26%	0.022%
232	15.756	15.693	15.831	VV	16118	250616	5.57%	0.467%
233	15.839	15.831	15.868	VV	284	4223	0.09%	0.008%
234	15.897	15.868	15.938	PV	8480	117493	2.61%	0.219%
235	15.954	15.938	15.963	VV	435	5962	0.13%	0.011%
236	15.996	15.963	16.018	VV	1643	31524	0.70%	0.059%
237	16.036	16.018	16.068	PV	771	11016	0.24%	0.021%
238	16.087	16.068	16.098	VV	305	2751	0.06%	0.005%
239	16.161	16.098	16.191	PV	1342	35635	0.79%	0.066%
240	16.225	16.191	16.256	VV	722	21003	0.47%	0.039%
241	16.280	16.256	16.304	VV	783	16182	0.36%	0.030%
242	16.326	16.304	16.339	VV	566	8384	0.19%	0.016%
243	16.400	16.339	16.452	VV	11125	172562	3.83%	0.321%
244	16.463	16.452	16.480	VV	588	7024	0.16%	0.013%
245	16.497	16.480	16.514	VV	433	4822	0.11%	0.009%
246	16.601	16.514	16.643	PV	969	28626	0.64%	0.053%

					rteres			
247	16.665	16.643	16.680	PV	552	7185	0.16%	0.013%
248	16.709	16.680	16.730	VV	1073	18770	0.42%	0.035%
249	16.774	16.730	16.824	VV	2762	55366	1.23%	0.103%
250	16.884	16.824	16.941	VV	19642	300922	6.68%	0.561%
251	16.965	16.941	16.976	VV	818	11450	0.25%	0.021%
252	17.016	16.976	17.063	VV	5731	98962	2.20%	0.184%
253	17.101	17.063	17.146	VV	1021	35990	0.80%	0.067%
254	17.207	17.146	17.230	VV	4298	87277	1.94%	0.163%
255	17.264	17.230	17.303	VV	4711	73808	1.64%	0.137%
256	17.351	17.303	17.381	PV	12746	193121	4.29%	0.360%
257	17.392	17.381	17.401	VV	1254	13627	0.30%	0.025%
258	17.430	17.401	17.449	VV	1803	33207	0.74%	0.062%
259	17.511	17.449	17.528	VV	1467	43330	0.96%	0.081%
260	17.639	17.528	17.661	VV	2248	129488	2.88%	0.241%
261	17.716	17.661	17.744	VV	3990	120460	2.68%	0.224%
262	17.802	17.744	17.831	VV	15766	271813	6.04%	0.506%
263	17.851	17.831	17.867	VV	1247	22457	0.50%	0.042%
264	17.886	17.867	17.901	VV	1617	23991	0.53%	0.045%
265	17.927	17.901	17.961	VV	1589	36952	0.82%	0.069%
266	17.988	17.961	18.018	VV	970	20148	0.45%	0.038%
267	18.035	18.018	18.052	VV	914	13312	0.30%	0.025%
268	18.086	18.052	18.106	VV	1197	22134	0.49%	0.041%
269	18.125	18.106	18.141	VV	658	12038	0.27%	0.022%
270	18.202	18.141	18.214	VV	1837	38586	0.86%	0.072%
271	18.241	18.214	18.281	VV	13300	188878	4.19%	0.352%
272	18.331	18.281	18.351	PV	2578	48334	1.07%	0.090%
273	18.359	18.351	18.368	VV	1362	12594	0.28%	0.023%
274	18.408	18.368	18.424	VV	2982	60807	1.35%	0.113%
275	18.439	18.424	18.467	VV	1737	30977	0.69%	0.058%
276	18.489	18.467	18.494	VV	1032	14438	0.32%	0.027%
277	18.514	18.494	18.527	VV	1964	29536	0.66%	0.055%
278	18.600	18.527	18.620	VV	11103	268751	5.97%	0.501%
279	18.633	18.620	18.641	VV	6909	79917	1.77%	0.149%
280	18.664	18.641	18.695	VV	14550	263451	5.85%	0.491%
281	18.705	18.695	18.713	VV	3011	29503	0.66%	0.055%
282	18.771	18.713	18.785	VV	6221	170984	3.80%	0.319%
283	18.796	18.785	18.811	VV	4856	70694	1.57%	0.132%
284	18.821	18.811	18.838	VV	3921	58735	1.30%	0.109%
285	18.845	18.838	18.857	VV	3453	36487	0.81%	0.068%
286	18.892	18.857	18.910	VV	6702	143647	3.19%	0.268%
287	18.924	18.910	18.958	VV	4217	104989	2.33%	0.196%
288	19.022	18.958	19.041	VV	5984	215262	4.78%	0.401%
289	19.076	19.041	19.128	VV	13817	398740	8.86%	0.743%
290	19.147	19.128	19.158	VV	4997	79284	1.76%	0.148%
291	19.196	19.158	19.233	VV	7808	257744	5.72%	0.480%
292	19.244	19.233	19.256	VV	5274	61144	1.36%	0.114%
293	19.269	19.256	19.281	VV	4020	54478	1.21%	0.101%
294	19.297	19.281	19.328	VV	5016	104383	2.32%	0.194%
295	19.371	19.328	19.389	VV	5891	170107	3.78%	0.317%
296	19.439	19.389	19.457	VV	18538	441777	9.81%	0.823%
297	19.475	19.457	19.506	VV	12805	329225	7.31%	0.613%
298	19.514	19.506	19.528	VV	9044	109235	2.43%	0.203%
299	19.556	19.528	19.601	VV	9876	380604	8.45%	0.709%

rteres								
300	19.622	19.601	19.648	VV	11469	268948	5.97%	0.501%
301	19.682	19.648	19.694	VV	9684	243971	5.42%	0.454%
302	19.739	19.694	19.756	VV	11199	366859	8.15%	0.683%
303	19.769	19.756	19.798	VV	11663	267084	5.93%	0.498%
304	19.863	19.798	19.879	VV	18023	624698	13.87%	1.164%
305	19.932	19.879	19.950	VV	18919	683434	15.18%	1.273%
306	19.978	19.950	19.988	VV	17767	389414	8.65%	0.725%
307	19.998	19.988	20.012	VV	17801	238779	5.30%	0.445%
308	20.046	20.012	20.064	VV	19129	544708	12.10%	1.015%
309	20.135	20.064	20.147	VV	23095	971377	21.57%	1.810%
310	20.237	20.147	20.274	VV	30699	1905744	42.32%	3.550%
311	20.293	20.274	20.320	VV	26363	684304	15.20%	1.275%
312	20.334	20.320	20.350	VV	23455	409995	9.11%	0.764%
313	20.435	20.350	20.443	VV	30673	1459138	32.40%	2.718%
314	20.484	20.443	20.508	VV	34824	1262404	28.04%	2.352%
315	20.597	20.508	20.622	VV	38909	2385165	52.97%	4.443%
316	20.689	20.622	20.728	VV	40523	2468889	54.83%	4.599%
317	20.756	20.728	20.824	VV	38312	2101940	46.68%	3.916%
318	20.834	20.824	20.842	VV	35998	392448	8.72%	0.731%
319	20.871	20.842	20.884	VV	37697	920586	20.44%	1.715%
320	20.910	20.884	20.933	VV	39028	1080801	24.00%	2.013%
321	20.964	20.933	21.064	VV	38423	2563445	56.93%	4.775%
322	21.086	21.064	21.151	VV	26769	1300724	28.89%	2.423%
323	21.221	21.151	21.230	VV	29926	1240391	27.55%	2.311%
324	21.242	21.230	21.256	VV	30371	465740	10.34%	0.868%
325	21.267	21.256	21.430	VV	29384	2163719	48.05%	4.031%
326	21.443	21.430	21.451	VV	15250	188485	4.19%	0.351%
327	21.539	21.451	21.548	VV	18009	958869	21.29%	1.786%
328	21.591	21.548	21.645	VV	18525	944597	20.98%	1.760%
329	21.654	21.645	21.690	VV	12633	295331	6.56%	0.550%
330	21.717	21.690	21.738	VV	11411	305749	6.79%	0.570%
331	21.761	21.738	21.803	VV	10617	375836	8.35%	0.700%
332	21.822	21.803	21.850	VV	9487	246325	5.47%	0.459%
333	21.858	21.850	21.868	VV	9074	94822	2.11%	0.177%
334	21.882	21.868	21.905	VV	9205	187957	4.17%	0.350%
335	21.913	21.905	21.931	VV	8070	102706	2.28%	0.191%
336	21.942	21.931	21.970	VV	6513	130128	2.89%	0.242%
337	21.979	21.970	21.989	VV	5740	59430	1.32%	0.111%
338	21.999	21.989	22.033	VV	5580	103251	2.29%	0.192%
339	22.046	22.033	22.056	VV	3088	37943	0.84%	0.071%
340	22.104	22.056	22.151	VV	4538	162419	3.61%	0.303%
341	22.161	22.151	22.174	VV	1491	11984	0.27%	0.022%
342	22.209	22.174	22.224	PV	1986	36947	0.82%	0.069%
343	22.249	22.224	22.258	VV	1388	21576	0.48%	0.040%
344	22.284	22.258	22.307	VV	2328	46776	1.04%	0.087%
345	22.319	22.307	22.336	VV	985	13399	0.30%	0.025%

Sum of corrected areas: 53680309

Aliphatic EPH 062725.M Tue Jul 08 05:02:37 2025

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G3(0-6)	SDG No.:	Q2487
Lab Sample ID:	Q2487-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/03/25 09:30	07/08/25 8:54	PB168723

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	89.6		5	6.46	10.9	mg/kg FE054730.D
Aliphatic C9-C28	Aliphatic C9-C28	34.4		1	1.00	4.37	mg/kg FE054707.D
Total AliphaticEPH	Total AliphaticEPH	124			7.46	15.3	mg/kg
Total EPH	Total EPH	124			7.46	15.3	mg/kg

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G3(0-6)	SDG No.:	Q2487
Lab Sample ID:	Q2487-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054707.D	1	07/03/25	07/07/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	34.4		1.00	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	73.0	E	1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.4		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.9		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2487-11	Acq On:	07 Jul 2025 16:00
Client Sample ID:	G3(0-6)	Operator:	YP\AJ
Data file:	FE054707.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	3.322	6.953	2175026	15.986	300	ug/ml
Aliphatic C12-C16	6.954	10.404	5628807	40.043	200	ug/ml
Aliphatic C16-C21	10.405	13.782	26612926	184.308	300	ug/ml
Aliphatic C21-C28	13.783	17.452	33367847	230.677	400	ug/ml
Aliphatic C28-C40	17.453	22.469	138624153	999.832	600	ug/ml
Aliphatic EPH	3.322	22.469	206408759	1470		ug/ml
ortho-Terphenyl (SURR)	12.081	12.081	4692704	28.9		ug/ml
1-chlorooctadecane (SURR)	13.519	13.519	4723088	37.4		ug/ml
Aliphatic C9-C28	3.322	17.452	67784606	471.014	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054707.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jul 2025 16:00
 Operator : YP\AJ
 Sample : Q2487-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 G3(0-6)

Integration File: sample.E
 Quant Time: Jul 08 03:31:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.081	4692704	28.897 ug/ml
Spiked Amount 50.000		Recovery =	57.79%
12) S 1-chlorooctadecane (S...	13.519	4723088	37.398 ug/ml
Spiked Amount 50.000		Recovery =	74.80%

Target Compounds

(f)=RT Delta > 1/2 Window

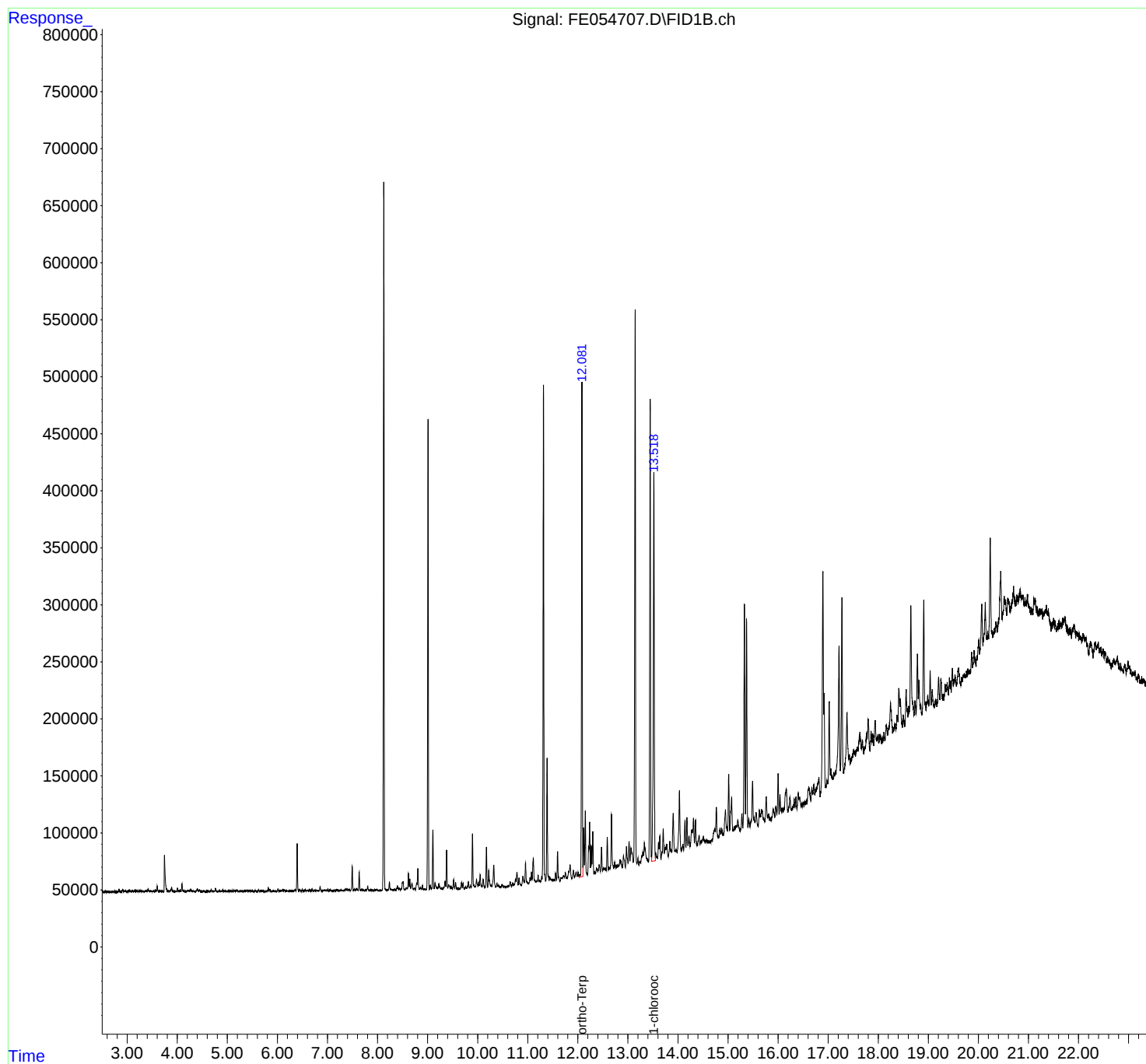
(m)=manual int.

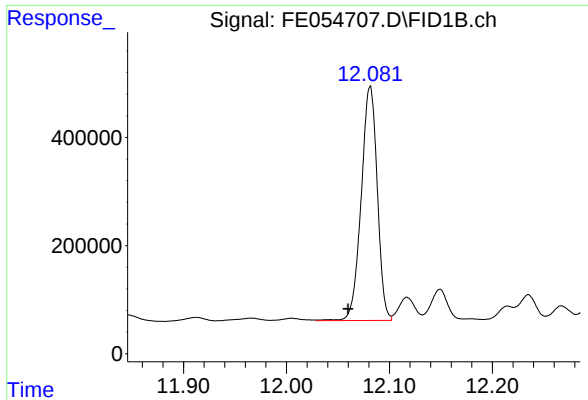
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054707.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 16:00
Operator : YP\AJ
Sample : Q2487-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
G3(0-6)

Integration File: sample.E
Quant Time: Jul 08 03:31:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

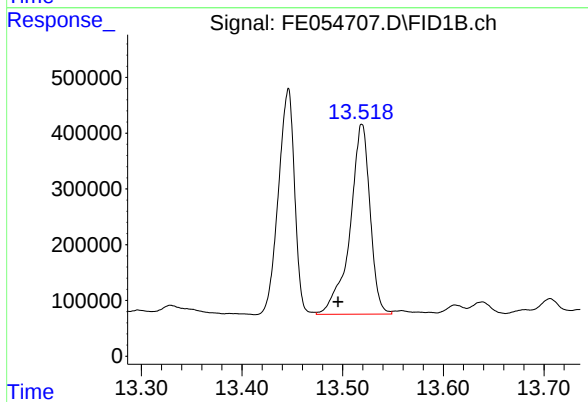




#9 ortho-Terphenyl (SURR)

R.T.: 12.081 min
Delta R.T.: 0.021 min
Response: 4692704
Conc: 28.90 ug/ml

Instrument :
FID_E
ClientSampleId :
G3(0-6)



#12 1-chlorooctadecane (SURR)

R.T.: 13.519 min
Delta R.T.: 0.024 min
Response: 4723088
Conc: 37.40 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054707.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 16:00
Sample : Q2487-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.835	2.805	2.878	BV	1381	19730	0.34%	0.009%
2	2.905	2.878	2.941	VV	1665	27778	0.48%	0.013%
3	2.966	2.941	3.010	VV	693	20902	0.36%	0.010%
4	3.032	3.010	3.040	VV	681	10499	0.18%	0.005%
5	3.054	3.040	3.078	VV	1012	14616	0.25%	0.007%
6	3.111	3.078	3.131	VV	865	15932	0.27%	0.007%
7	3.150	3.131	3.170	VV	1036	14526	0.25%	0.007%
8	3.200	3.170	3.215	VV	706	13482	0.23%	0.006%
9	3.235	3.215	3.251	VV	1105	15919	0.27%	0.007%
10	3.275	3.251	3.288	VV	832	16116	0.28%	0.007%
11	3.298	3.288	3.353	VV	728	18474	0.32%	0.009%
12	3.380	3.353	3.401	VV	924	18545	0.32%	0.009%
13	3.418	3.401	3.455	VV	2226	32995	0.57%	0.015%
14	3.488	3.455	3.507	VV	579	13839	0.24%	0.006%
15	3.526	3.507	3.542	VV	794	12127	0.21%	0.006%
16	3.559	3.542	3.578	VV	995	16308	0.28%	0.008%
17	3.600	3.578	3.631	VV	5066	56294	0.97%	0.026%
18	3.651	3.631	3.678	VV	577	12615	0.22%	0.006%
19	3.699	3.678	3.723	VV	669	12481	0.21%	0.006%
20	3.746	3.723	3.835	VV	31982	414504	7.13%	0.192%
21	3.888	3.835	3.937	VV	3963	68276	1.17%	0.032%
22	3.956	3.937	3.981	VV	456	9044	0.16%	0.004%
23	4.005	3.981	4.023	VV	3357	36452	0.63%	0.017%
24	4.031	4.023	4.040	VV	846	7285	0.13%	0.003%
25	4.052	4.040	4.074	VV	898	14399	0.25%	0.007%
26	4.095	4.074	4.168	VV	7001	85702	1.47%	0.040%
27	4.202	4.168	4.243	VV	1003	30532	0.53%	0.014%
28	4.263	4.243	4.295	VV	2205	33800	0.58%	0.016%
29	4.305	4.295	4.365	VV	766	18169	0.31%	0.008%
30	4.401	4.365	4.428	VV	2589	44874	0.77%	0.021%
31	4.441	4.428	4.480	VV	1523	23904	0.41%	0.011%
32	4.504	4.480	4.521	VV	488	8544	0.15%	0.004%
33	4.537	4.521	4.550	VV	349	4029	0.07%	0.002%
34	4.573	4.550	4.601	VV	425	9718	0.17%	0.004%
35	4.614	4.601	4.650	VV	482	8686	0.15%	0.004%
36	4.677	4.650	4.700	VV	1557	19378	0.33%	0.009%

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37	4.718	4.700	4.738	VV	777	10658	0.18%	0.005%
38	4.763	4.738	4.786	VV	3178	35258	0.61%	0.016%
39	4.795	4.786	4.821	VV	324	3697	0.06%	0.002%
40	4.840	4.821	4.873	PV	1122	15471	0.27%	0.007%
41	4.907	4.873	4.946	VV	1332	22486	0.39%	0.010%
42	4.962	4.946	4.981	VV	718	8362	0.14%	0.004%
43	4.991	4.981	5.008	VV	495	5661	0.10%	0.003%
44	5.017	5.008	5.031	VV	277	3296	0.06%	0.002%
45	5.046	5.031	5.055	VV	651	6777	0.12%	0.003%
46	5.065	5.055	5.077	VV	552	6613	0.11%	0.003%
47	5.097	5.077	5.112	VV	1086	13284	0.23%	0.006%
48	5.139	5.112	5.163	VV	973	18767	0.32%	0.009%
49	5.197	5.163	5.221	VV	1064	24104	0.41%	0.011%
50	5.237	5.221	5.248	VV	459	5091	0.09%	0.002%
51	5.262	5.248	5.275	VV	457	5631	0.10%	0.003%
52	5.293	5.275	5.312	VV	522	7085	0.12%	0.003%
53	5.390	5.312	5.416	VV	872	24059	0.41%	0.011%
54	5.437	5.416	5.453	VV	672	10428	0.18%	0.005%
55	5.469	5.453	5.483	VV	1212	12609	0.22%	0.006%
56	5.497	5.483	5.515	VV	830	10573	0.18%	0.005%
57	5.523	5.515	5.538	VV	367	3079	0.05%	0.001%
58	5.556	5.538	5.583	VV	1150	15257	0.26%	0.007%
59	5.623	5.583	5.645	VV	1518	22951	0.39%	0.011%
60	5.668	5.645	5.681	VV	523	8917	0.15%	0.004%
61	5.695	5.681	5.716	VV	787	9880	0.17%	0.005%
62	5.727	5.716	5.744	VV	138	2200	0.04%	0.001%
63	5.762	5.744	5.783	VV	199	3147	0.05%	0.001%
64	5.818	5.783	5.833	PV	3466	37585	0.65%	0.017%
65	5.850	5.833	5.907	VV	1821	32644	0.56%	0.015%
66	5.936	5.907	5.974	VV	370	9783	0.17%	0.005%
67	6.011	5.974	6.037	VV	2058	29557	0.51%	0.014%
68	6.089	6.037	6.100	VV	685	16905	0.29%	0.008%
69	6.115	6.100	6.126	VV	1419	15445	0.27%	0.007%
70	6.135	6.126	6.161	VV	1194	15649	0.27%	0.007%
71	6.171	6.161	6.195	VV	552	7105	0.12%	0.003%
72	6.210	6.195	6.225	VV	820	8346	0.14%	0.004%
73	6.261	6.225	6.285	VV	490	13954	0.24%	0.006%
74	6.299	6.285	6.317	VV	623	6903	0.12%	0.003%
75	6.355	6.317	6.370	VV	1046	18770	0.32%	0.009%
76	6.395	6.370	6.423	VV	41871	399457	6.87%	0.185%
77	6.445	6.423	6.470	VV	1887	27805	0.48%	0.013%
78	6.499	6.470	6.521	VV	1077	17559	0.30%	0.008%
79	6.560	6.521	6.575	VV	964	21377	0.37%	0.010%
80	6.588	6.575	6.611	VV	693	12498	0.21%	0.006%
81	6.640	6.611	6.671	VV	857	22816	0.39%	0.011%
82	6.693	6.671	6.716	VV	1641	23586	0.41%	0.011%
83	6.732	6.716	6.751	VV	496	8015	0.14%	0.004%
84	6.771	6.751	6.795	VV	784	12904	0.22%	0.006%
85	6.806	6.795	6.825	VV	441	5989	0.10%	0.003%
86	6.853	6.825	6.898	VV	4059	49399	0.85%	0.023%
87	6.931	6.898	6.991	VV	1051	33134	0.57%	0.015%
88	7.007	6.991	7.031	VV	1592	20234	0.35%	0.009%
89	7.051	7.031	7.100	VV	1075	17620	0.30%	0.008%

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90	7.141	7.100	7.157	PV	697	10872	0.19%	0.005%
91	7.184	7.157	7.214	VV	873	17459	0.30%	0.008%
92	7.223	7.214	7.233	VV	353	3352	0.06%	0.002%
93	7.266	7.233	7.314	VV	989	21592	0.37%	0.010%
94	7.365	7.314	7.379	VV	1462	30116	0.52%	0.014%
95	7.394	7.379	7.413	VV	1249	19444	0.33%	0.009%
96	7.431	7.413	7.458	VV	1268	19634	0.34%	0.009%
97	7.495	7.458	7.520	VV	21464	223739	3.85%	0.104%
98	7.536	7.520	7.558	VV	1158	19036	0.33%	0.009%
99	7.578	7.558	7.611	VV	1874	36041	0.62%	0.017%
100	7.634	7.611	7.659	VV	16420	163287	2.81%	0.076%
101	7.673	7.659	7.735	VV	1120	27711	0.48%	0.013%
102	7.755	7.735	7.770	VV	472	8107	0.14%	0.004%
103	7.803	7.770	7.838	VV	3665	48315	0.83%	0.022%
104	7.862	7.838	7.872	VV	581	8929	0.15%	0.004%
105	7.893	7.872	7.912	VV	525	9895	0.17%	0.005%
106	7.942	7.912	7.958	VV	721	11825	0.20%	0.005%
107	7.984	7.958	8.011	VV	1070	19191	0.33%	0.009%
108	8.035	8.011	8.054	VV	396	5505	0.09%	0.003%
109	8.067	8.054	8.078	PV	135	1233	0.02%	0.001%
110	8.237	8.201	8.281	VV	7391	98828	1.70%	0.046%
111	8.291	8.281	8.320	VV	730	11635	0.20%	0.005%
112	8.337	8.320	8.358	VV	959	12140	0.21%	0.006%
113	8.397	8.358	8.419	VV	4018	60374	1.04%	0.028%
114	8.435	8.419	8.457	VV	1313	22234	0.38%	0.010%
115	8.509	8.457	8.551	VV	7449	150484	2.59%	0.070%
116	8.578	8.551	8.593	VV	1879	31293	0.54%	0.014%
117	8.617	8.593	8.633	VV	14649	162669	2.80%	0.075%
118	8.645	8.633	8.663	VV	9684	99253	1.71%	0.046%
119	8.688	8.663	8.718	VV	5573	95385	1.64%	0.044%
120	8.738	8.718	8.754	VV	1648	22206	0.38%	0.010%
121	8.804	8.754	8.842	VV	18605	296919	5.11%	0.137%
122	8.860	8.842	8.877	VV	2024	25847	0.44%	0.012%
123	8.896	8.877	8.928	VV	3886	46516	0.80%	0.022%
124	8.944	8.928	8.961	VV	736	8754	0.15%	0.004%
125	9.105	9.077	9.129	VV	52360	528451	9.09%	0.245%
126	9.149	9.129	9.182	VV	5915	97171	1.67%	0.045%
127	9.193	9.182	9.204	VV	1632	19655	0.34%	0.009%
128	9.226	9.204	9.281	VV	3857	86215	1.48%	0.040%
129	9.289	9.281	9.304	VV	781	9061	0.16%	0.004%
130	9.348	9.304	9.361	VV	7259	102340	1.76%	0.047%
131	9.379	9.361	9.403	VV	34619	352685	6.06%	0.163%
132	9.421	9.403	9.461	VV	3774	80567	1.39%	0.037%
133	9.472	9.461	9.490	VV	2192	24933	0.43%	0.012%
134	9.519	9.490	9.540	VV	8335	101404	1.74%	0.047%
135	9.559	9.540	9.603	VV	5908	78952	1.36%	0.037%
136	9.615	9.603	9.637	VV	567	7145	0.12%	0.003%
137	9.676	9.637	9.692	PV	5636	70473	1.21%	0.033%
138	9.707	9.692	9.731	VV	5117	53995	0.93%	0.025%
139	9.759	9.731	9.776	VV	1685	22375	0.38%	0.010%
140	9.813	9.776	9.835	VV	6268	88532	1.52%	0.041%
141	9.854	9.835	9.870	VV	2321	29891	0.51%	0.014%

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142	9.896	9.870	9.954	VV	47960	545985	9.39%	0.253%
143	9.977	9.954	10.004	VV	7769	121658	2.09%	0.056%
144	10.019	10.004	10.030	VV	5108	53794	0.92%	0.025%
145	10.050	10.030	10.091	VV	11788	177628	3.05%	0.082%
146	10.110	10.091	10.145	VV	7609	104307	1.79%	0.048%
147	10.175	10.145	10.199	VV	35909	383647	6.60%	0.178%
148	10.221	10.199	10.258	VV	15432	218998	3.77%	0.101%
149	10.268	10.258	10.285	VV	1935	27012	0.46%	0.013%
150	10.321	10.285	10.368	VV	19810	306206	5.27%	0.142%
151	10.385	10.368	10.405	VV	3863	48053	0.83%	0.022%
152	10.418	10.405	10.445	VV	1736	22548	0.39%	0.010%
153	10.487	10.445	10.561	VV	1725	48759	0.84%	0.023%
154	10.590	10.561	10.605	PV	574	7370	0.13%	0.003%
155	10.616	10.605	10.628	VV	535	5737	0.10%	0.003%
156	10.650	10.628	10.677	VV	4270	58321	1.00%	0.027%
157	10.699	10.677	10.716	VV	2929	38850	0.67%	0.018%
158	10.756	10.716	10.767	VV	5935	92577	1.59%	0.043%
159	10.785	10.767	10.808	VV	12071	160201	2.75%	0.074%
160	10.826	10.808	10.865	VV	6587	85453	1.47%	0.040%
161	10.904	10.865	10.935	VV	7817	141501	2.43%	0.066%
162	10.956	10.935	10.991	VV	19284	252887	4.35%	0.117%
163	11.000	10.991	11.015	VV	2151	23373	0.40%	0.011%
164	11.045	11.015	11.057	VV	6070	79873	1.37%	0.037%
165	11.074	11.057	11.087	VV	10459	125248	2.15%	0.058%
166	11.110	11.087	11.155	VV	22708	383223	6.59%	0.177%
167	11.208	11.155	11.226	VV	7449	132560	2.28%	0.061%
168	11.238	11.226	11.259	VV	2595	38778	0.67%	0.018%
169	11.314	11.259	11.358	VV	439058	4651256	79.98%	2.153%
170	11.386	11.358	11.427	VV	106229	1191995	20.50%	0.552%
171	11.443	11.427	11.513	VV	4265	122760	2.11%	0.057%
172	11.524	11.513	11.536	VV	1507	16868	0.29%	0.008%
173	11.555	11.536	11.574	VV	7397	84324	1.45%	0.039%
174	11.595	11.574	11.641	VV	26071	303794	5.22%	0.141%
175	11.674	11.641	11.689	PV	2715	48767	0.84%	0.023%
176	11.715	11.689	11.731	VV	4109	79390	1.37%	0.037%
177	11.752	11.731	11.771	VV	6252	91392	1.57%	0.042%
178	11.846	11.771	11.880	VV	12322	312479	5.37%	0.145%
179	11.912	11.880	11.933	PV	7131	97688	1.68%	0.045%
180	11.966	11.933	11.985	VV	5178	88391	1.52%	0.041%
181	12.005	11.985	12.029	VV	4704	64789	1.11%	0.030%
182	12.081	12.029	12.103	VV	433420	4693326	80.70%	2.173%
183	12.117	12.103	12.132	VV	42214	451177	7.76%	0.209%
184	12.149	12.132	12.190	VV	56889	640832	11.02%	0.297%
185	12.235	12.190	12.252	VV	46256	762178	13.11%	0.353%
186	12.267	12.252	12.281	VV	25056	284325	4.89%	0.132%
187	12.298	12.281	12.323	VV	37557	440523	7.57%	0.204%
188	12.337	12.323	12.351	PV	2056	19225	0.33%	0.009%
189	12.374	12.351	12.398	VV	4074	75774	1.30%	0.035%
190	12.427	12.398	12.450	VV	6777	122129	2.10%	0.057%
191	12.473	12.450	12.495	VV	22065	253485	4.36%	0.117%
192	12.510	12.495	12.523	VV	2925	41043	0.71%	0.019%
193	12.527	12.523	12.563	VV	2742	50981	0.88%	0.024%
194	12.588	12.563	12.611	VV	29651	337600	5.81%	0.156%

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195	12.622	12.611	12.638	VV	2650	33681	0.58%	0.016%
196	12.673	12.638	12.716	VV	48855	639772	11.00%	0.296%
197	12.737	12.716	12.757	VV	6464	98450	1.69%	0.046%
198	12.768	12.757	12.781	VV	2538	28714	0.49%	0.013%
199	12.796	12.781	12.808	VV	3418	40776	0.70%	0.019%
200	12.842	12.808	12.890	VV	7784	199863	3.44%	0.093%
201	12.912	12.890	12.949	VV	10677	185140	3.18%	0.086%
202	12.972	12.949	13.002	VV	17935	258360	4.44%	0.120%
203	13.024	13.002	13.042	VV	22060	287217	4.94%	0.133%
204	13.063	13.042	13.108	VV	15417	397970	6.84%	0.184%
205	13.145	13.108	13.178	VV	484976	5540612	95.27%	2.565%
206	13.200	13.178	13.219	VV	6054	68827	1.18%	0.032%
207	13.238	13.219	13.249	PV	2485	27872	0.48%	0.013%
208	13.298	13.249	13.310	VV	9694	219287	3.77%	0.102%
209	13.329	13.310	13.412	VV	18094	446029	7.67%	0.206%
210	13.445	13.412	13.473	VV	399159	4544250	78.14%	2.104%
211	13.519	13.473	13.548	VV	341415	4730613	81.34%	2.190%
212	13.558	13.548	13.595	VV	6108	106176	1.83%	0.049%
213	13.612	13.595	13.623	VV	15729	176074	3.03%	0.082%
214	13.638	13.623	13.662	VV	20802	264988	4.56%	0.123%
215	13.706	13.662	13.727	PV	25809	393887	6.77%	0.182%
216	13.776	13.727	13.805	VV	11813	324557	5.58%	0.150%
217	13.838	13.805	13.856	VV	13485	192327	3.31%	0.089%
218	13.864	13.856	13.876	VV	4902	57048	0.98%	0.026%
219	13.905	13.876	13.951	VV	36484	621368	10.68%	0.288%
220	13.965	13.951	13.981	VV	4257	59871	1.03%	0.028%
221	14.030	13.981	14.066	VV	54785	901934	15.51%	0.418%
222	14.098	14.066	14.114	VV	7002	106996	1.84%	0.050%
223	14.140	14.114	14.159	VV	27077	345890	5.95%	0.160%
224	14.179	14.159	14.199	VV	28874	347958	5.98%	0.161%
225	14.220	14.199	14.242	VV	11548	186359	3.20%	0.086%
226	14.310	14.242	14.331	VV	26516	739243	12.71%	0.342%
227	14.351	14.331	14.385	VV	24519	340064	5.85%	0.157%
228	14.422	14.385	14.441	VV	9969	184333	3.17%	0.085%
229	14.503	14.441	14.549	VV	6731	261766	4.50%	0.121%
230	14.560	14.549	14.597	VV	3927	73419	1.26%	0.034%
231	14.611	14.597	14.636	VV	2495	34869	0.60%	0.016%
232	14.675	14.636	14.688	VV	2227	39249	0.67%	0.018%
233	14.733	14.688	14.747	VV	10139	256700	4.41%	0.119%
234	14.767	14.747	14.811	VV	29664	448460	7.71%	0.208%
235	14.838	14.811	14.853	VV	9485	143385	2.47%	0.066%
236	14.871	14.853	14.903	VV	8760	176831	3.04%	0.082%
237	14.947	14.903	14.987	VV	24306	584340	10.05%	0.271%
238	15.013	14.987	15.034	VV	54181	704169	12.11%	0.326%
239	15.071	15.034	15.096	VV	33562	666448	11.46%	0.309%
240	15.132	15.096	15.147	VV	6997	156126	2.68%	0.072%
241	15.162	15.147	15.173	VV	7112	101914	1.75%	0.047%
242	15.193	15.173	15.232	VV	11167	247929	4.26%	0.115%
243	15.276	15.232	15.294	VV	15992	247899	4.26%	0.115%
244	15.327	15.294	15.348	VV	198447	2473055	42.52%	1.145%
245	15.370	15.348	15.398	VV	183948	2219417	38.16%	1.027%
246	15.415	15.398	15.438	VV	9113	135947	2.34%	0.063%

rteres								
247	15.489	15.438	15.536	VV	41011	784341	13.49%	0.363%
248	15.561	15.536	15.600	VV	12976	243429	4.19%	0.113%
249	15.627	15.600	15.651	PV	14076	254026	4.37%	0.118%
250	15.667	15.651	15.734	VV	13307	379330	6.52%	0.176%
251	15.762	15.734	15.787	VV	22784	371684	6.39%	0.172%
252	15.812	15.787	15.829	VV	6671	125002	2.15%	0.058%
253	15.837	15.829	15.858	VV	3022	30415	0.52%	0.014%
254	15.903	15.858	15.934	VV	8902	227250	3.91%	0.105%
255	15.958	15.934	15.975	VV	10616	157245	2.70%	0.073%
256	16.000	15.975	16.021	VV	38350	496421	8.54%	0.230%
257	16.038	16.021	16.070	VV	19262	269010	4.63%	0.125%
258	16.085	16.070	16.101	VV	6916	91424	1.57%	0.042%
259	16.162	16.101	16.194	VV	21575	641660	11.03%	0.297%
260	16.237	16.194	16.269	VV	12663	263960	4.54%	0.122%
261	16.321	16.269	16.338	VV	9681	185640	3.19%	0.086%
262	16.357	16.338	16.377	VV	11047	140838	2.42%	0.065%
263	16.403	16.377	16.418	VV	12870	198429	3.41%	0.092%
264	16.431	16.418	16.457	VV	9214	151742	2.61%	0.070%
265	16.470	16.457	16.480	VV	3158	26861	0.46%	0.012%
266	16.500	16.480	16.515	VV	3323	41933	0.72%	0.019%
267	16.537	16.515	16.546	PV	3342	41762	0.72%	0.019%
268	16.564	16.546	16.573	VV	3675	39932	0.69%	0.018%
269	16.615	16.573	16.653	VV	14118	399016	6.86%	0.185%
270	16.675	16.653	16.688	VV	12502	164329	2.83%	0.076%
271	16.712	16.688	16.735	VV	14556	267018	4.59%	0.124%
272	16.815	16.735	16.839	VV	18055	655113	11.26%	0.303%
273	16.895	16.839	16.948	VV	197000	3995609	68.70%	1.850%
274	16.976	16.948	16.994	VV	11360	261685	4.50%	0.121%
275	17.021	16.994	17.091	VV	80404	1593980	27.41%	0.738%
276	17.115	17.091	17.127	VV	15716	277524	4.77%	0.128%
277	17.143	17.127	17.151	VV	16230	212100	3.65%	0.098%
278	17.217	17.151	17.245	VV	125470	2528610	43.48%	1.171%
279	17.275	17.245	17.309	VV	164995	2409211	41.43%	1.115%
280	17.376	17.309	17.410	VV	62039	1795279	30.87%	0.831%
281	17.422	17.410	17.442	VV	24797	411593	7.08%	0.191%
282	17.452	17.442	17.458	VV	20121	179132	3.08%	0.083%
283	17.509	17.458	17.548	VV	26668	1225502	21.07%	0.567%
284	17.633	17.548	17.664	VV	37850	1998286	34.36%	0.925%
285	17.681	17.664	17.713	VV	31030	754204	12.97%	0.349%
286	17.799	17.713	17.833	VV	46789	2177445	37.44%	1.008%
287	17.858	17.833	17.876	VV	35043	730925	12.57%	0.338%
288	17.890	17.876	17.908	VV	30773	528338	9.08%	0.245%
289	17.938	17.908	17.966	VV	42698	1129782	19.43%	0.523%
290	17.998	17.966	18.011	VV	28895	705808	12.14%	0.327%
291	18.028	18.011	18.077	VV	28249	956615	16.45%	0.443%
292	18.114	18.077	18.133	VV	28719	789162	13.57%	0.365%
293	18.159	18.133	18.190	VV	33783	962369	16.55%	0.445%
294	18.246	18.190	18.285	VV	51335	2038423	35.05%	0.944%
295	18.306	18.285	18.315	VV	27926	489173	8.41%	0.226%
296	18.336	18.315	18.352	VV	30761	620238	10.67%	0.287%
297	18.373	18.352	18.390	VV	36507	756517	13.01%	0.350%
298	18.412	18.390	18.429	VV	59909	1113628	19.15%	0.516%
299	18.438	18.429	18.485	VV	50606	1249809	21.49%	0.579%

					rteres			
300	18.500	18.485	18.528	VV	34252	777315	13.37%	0.360%
301	18.557	18.528	18.593	VV	56110	1537528	26.44%	0.712%
302	18.609	18.593	18.618	VV	40099	548677	9.43%	0.254%
303	18.651	18.618	18.718	VV	126203	3430400	58.99%	1.588%
304	18.734	18.718	18.758	VV	41376	846896	14.56%	0.392%
305	18.782	18.758	18.799	VV	82223	1425180	24.51%	0.660%
306	18.813	18.799	18.837	VV	58595	1038158	17.85%	0.481%
307	18.850	18.837	18.874	VV	36001	713341	12.27%	0.330%
308	18.909	18.874	18.955	VV	125121	2716339	46.71%	1.257%
309	18.988	18.955	19.008	VV	40616	1133610	19.49%	0.525%
310	19.037	19.008	19.057	VV	61181	1261602	21.69%	0.584%
311	19.078	19.057	19.120	VV	44141	1298028	22.32%	0.601%
312	19.152	19.120	19.169	VV	33333	905191	15.56%	0.419%
313	19.205	19.169	19.228	VV	52143	1357534	23.34%	0.628%
314	19.253	19.228	19.285	VV	49749	1314918	22.61%	0.609%
315	19.295	19.285	19.311	VV	34906	519286	8.93%	0.240%
316	19.340	19.311	19.355	VV	41775	993166	17.08%	0.460%
317	19.375	19.355	19.398	VV	42565	1001092	17.21%	0.463%
318	19.421	19.398	19.434	VV	46295	838633	14.42%	0.388%
319	19.443	19.434	19.458	VV	42952	561897	9.66%	0.260%
320	19.480	19.458	19.503	VV	53986	1189655	20.46%	0.551%
321	19.534	19.503	19.564	VV	46238	1518803	26.12%	0.703%
322	19.604	19.564	19.650	VV	51560	2230433	38.35%	1.033%
323	19.765	19.650	19.777	VV	44968	3108413	53.45%	1.439%
324	19.790	19.777	19.818	VV	46237	1065353	18.32%	0.493%
325	19.865	19.818	19.888	VV	59063	2010761	34.58%	0.931%
326	19.917	19.888	19.954	VV	57216	2050681	35.26%	0.949%
327	20.007	19.954	20.028	VV	65706	2491050	42.83%	1.153%
328	20.067	20.028	20.091	VV	96251	2794000	48.04%	1.293%
329	20.138	20.091	20.178	VV	96559	3775896	64.93%	1.748%
330	20.188	20.178	20.208	VV	69750	1196626	20.58%	0.554%
331	20.237	20.208	20.285	VV	151109	4217331	72.52%	1.952%
332	20.350	20.285	20.380	VV	73268	3912483	67.28%	1.811%
333	20.447	20.380	20.475	VV	116423	4935878	84.87%	2.285%
334	20.518	20.475	20.566	VV	93470	4603439	79.16%	2.131%
335	20.586	20.566	20.638	VV	89598	3617442	62.20%	1.675%
336	20.703	20.638	20.752	VV	96390	5815637	100.00%	2.692%
337	20.770	20.752	20.792	VV	88721	2056373	35.36%	0.952%
338	20.832	20.792	20.861	VV	91803	3578607	61.53%	1.657%
339	20.869	20.861	20.874	VV	84871	631767	10.86%	0.292%
340	20.882	20.874	20.921	VV	85722	2322364	39.93%	1.075%
341	20.931	20.921	20.965	VV	82805	2038385	35.05%	0.944%
342	20.979	20.965	21.045	VV	82965	3580193	61.56%	1.657%
343	21.052	21.045	21.091	VV	71427	1906560	32.78%	0.883%
344	21.108	21.091	21.122	VV	78463	1346897	23.16%	0.624%
345	21.137	21.122	21.159	VV	77223	1614902	27.77%	0.748%
346	21.167	21.159	21.190	VV	68988	1243295	21.38%	0.576%
347	21.205	21.190	21.211	VV	63248	782625	13.46%	0.362%
348	21.219	21.211	21.240	VV	66459	1121077	19.28%	0.519%
349	21.249	21.240	21.255	VV	64732	535787	9.21%	0.248%
350	21.262	21.255	21.271	VV	63167	626543	10.77%	0.290%
351	21.274	21.271	21.283	VV	64929	414120	7.12%	0.192%

						rters		
352	21.292	21.283	21.310	VV	61002	990499	17.03%	0.459%
353	21.358	21.310	21.384	VV	65795	2691022	46.27%	1.246%
354	21.397	21.384	21.451	VV	63012	2152394	37.01%	0.996%
355	21.501	21.451	21.521	VV	51380	1966296	33.81%	0.910%
356	21.531	21.521	21.555	VV	48803	907270	15.60%	0.420%
357	21.608	21.555	21.641	VV	47326	2193423	37.72%	1.015%
358	21.651	21.641	21.661	VV	43672	524491	9.02%	0.243%
359	21.687	21.661	21.808	VV	47971	3576084	61.49%	1.655%
360	21.832	21.808	21.842	VV	35552	687845	11.83%	0.318%
361	21.848	21.842	21.858	VV	33810	282322	4.85%	0.131%
362	21.913	21.858	21.944	VV	36354	1672545	28.76%	0.774%
363	21.958	21.944	21.965	VV	30183	352641	6.06%	0.163%
364	21.974	21.965	22.002	VV	29144	598114	10.28%	0.277%
365	22.017	22.002	22.042	VV	25689	555420	9.55%	0.257%
366	22.048	22.042	22.063	VV	22770	267289	4.60%	0.124%
367	22.099	22.063	22.128	VV	24382	823472	14.16%	0.381%
368	22.150	22.128	22.204	VV	20769	635730	10.93%	0.294%
369	22.237	22.204	22.290	VV	13223	468345	8.05%	0.217%
370	22.335	22.290	22.368	PV	11884	331440	5.70%	0.153%
371	22.376	22.368	22.391	VV	7466	93823	1.61%	0.043%
372	22.396	22.391	22.413	VV	8371	60961	1.05%	0.028%
373	22.421	22.413	22.429	PV	2827	14336	0.25%	0.007%
					Sum of corrected areas:		216020666	

Aliphatic EPH 062725.M Tue Jul 08 05:03:35 2025

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G3(0-6)DL	SDG No.:	Q2487
Lab Sample ID:	Q2487-11DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054730.D	5	07/03/25	07/08/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	34.3		4.98	21.9	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	89.6		6.46	10.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	7.68		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	5.82		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2487-11DL	Acq On:	08 Jul 2025 08:54
Client Sample ID:	G3(0-6)DL	Operator:	YP\AJ
Data file:	FE054730.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.956	729472	5.362	300	ug/ml
Aliphatic C12-C16	6.957	10.409	1320605	9.395	200	ug/ml
Aliphatic C16-C21	10.410	13.786	5374490	37.221	300	ug/ml
Aliphatic C21-C28	13.787	17.458	6070890	41.969	400	ug/ml
Aliphatic C28-C40	17.459	22.482	34056519	245.634	600	ug/ml
Aliphatic EPH	3.323	22.482	47551976	339.58		ug/ml
ortho-Terphenyl (SURR)	12.082	12.082	945920	5.82		ug/ml
1-chlorooctadecane (SURR)	13.519	13.519	969324	7.68		ug/ml
Aliphatic C9-C28	3.323	17.458	13495457	93.947	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
Data File : FE054730.D
Signal(s) : FID1B.ch
Acq On : 08 Jul 2025 08:54
Operator : YP\AJ
Sample : Q2487-11DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
G3(0-6)DL

Integration File: autoint1.e
Quant Time: Jul 09 06:36:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Tue Jul 08 07:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.082	945920	5.825 ug/ml
Spiked Amount 50.000		Recovery =	11.65%
12) S 1-chlorooctadecane (S...	13.519	969324	7.675 ug/ml
Spiked Amount 50.000		Recovery =	15.35%

Target Compounds

(f)=RT Delta > 1/2 Window

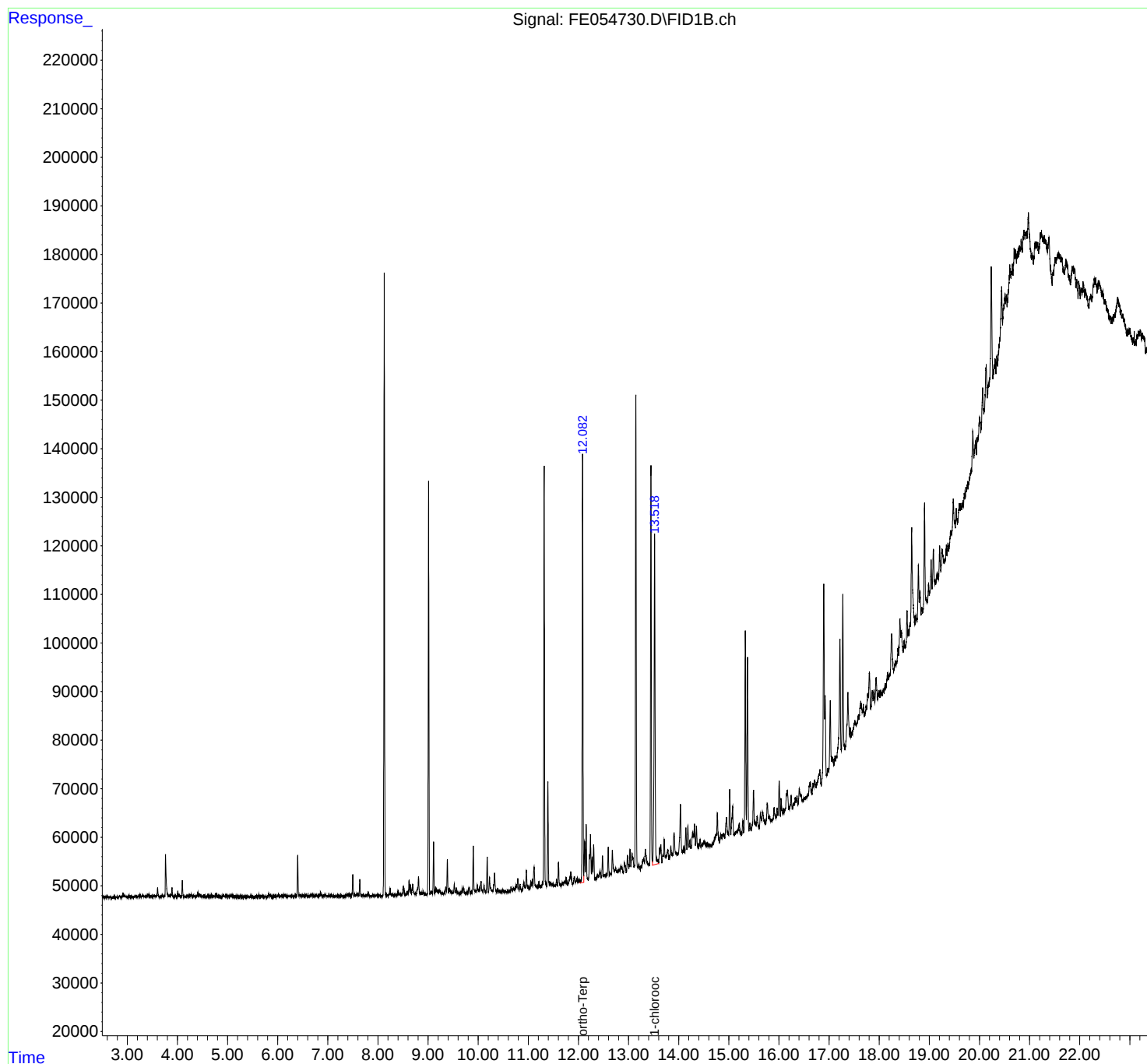
(m)=manual int.

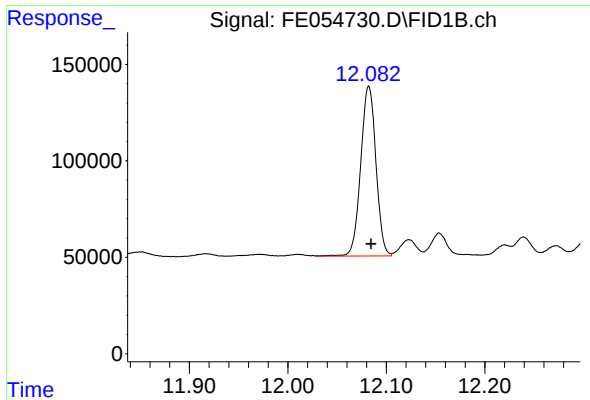
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
Data File : FE054730.D
Signal(s) : FID1B.ch
Acq On : 08 Jul 2025 08:54
Operator : YP\AJ
Sample : Q2487-11DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
G3(0-6)DL

Integration File: autoint1.e
Quant Time: Jul 09 06:36:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Tue Jul 08 07:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

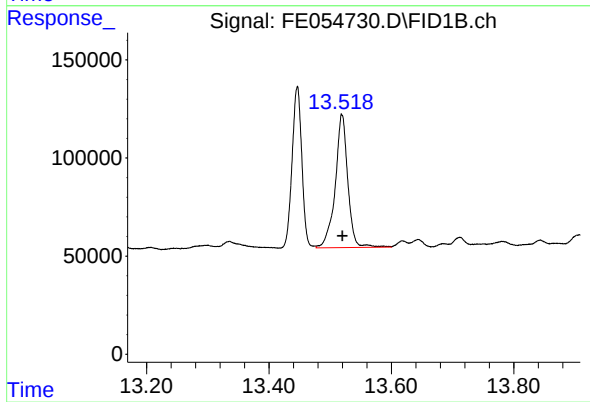




#9 ortho-Terphenyl (SURR)

R.T.: 12.082 min
Delta R.T.: -0.002 min
Response: 945920
Conc: 5.82 ug/ml

Instrument :
FID_E
ClientSampleId :
G3(0-6)DL



#12 1-chlorooctadecane (SURR)

R.T.: 13.519 min
Delta R.T.: 0.000 min
Response: 969324
Conc: 7.68 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
 Data File : FE054730.D
 Signal(s) : FID1B.ch
 Acq On : 08 Jul 2025 08:54
 Sample : Q2487-11DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.844	2.801	2.875	BV	394	4641	0.18%	0.009%
2	2.911	2.875	2.992	PV	1006	20837	0.81%	0.042%
3	3.000	2.992	3.018	VV	184	2185	0.08%	0.004%
4	3.031	3.018	3.046	VV	207	2872	0.11%	0.006%
5	3.057	3.046	3.091	VV	271	4832	0.19%	0.010%
6	3.116	3.091	3.141	VV	255	4796	0.19%	0.010%
7	3.155	3.141	3.185	VV	347	4975	0.19%	0.010%
8	3.243	3.185	3.261	VV	557	11997	0.47%	0.024%
9	3.273	3.261	3.284	VV	292	3357	0.13%	0.007%
10	3.303	3.284	3.364	VV	311	10935	0.43%	0.022%
11	3.393	3.364	3.405	VV	361	6569	0.26%	0.013%
12	3.422	3.405	3.481	VV	564	13241	0.51%	0.027%
13	3.495	3.481	3.508	VV	281	3546	0.14%	0.007%
14	3.533	3.508	3.552	VV	326	6693	0.26%	0.014%
15	3.567	3.552	3.578	VV	331	4532	0.18%	0.009%
16	3.604	3.578	3.630	VV	1977	23387	0.91%	0.047%
17	3.645	3.630	3.679	VV	272	6542	0.25%	0.013%
18	3.699	3.679	3.732	VV	256	7078	0.28%	0.014%
19	3.764	3.732	3.844	VV	8330	117773	4.58%	0.238%
20	3.892	3.844	3.936	VV	1938	30754	1.20%	0.062%
21	3.966	3.936	3.976	VV	233	4568	0.18%	0.009%
22	4.008	3.976	4.048	VV	1322	18383	0.71%	0.037%
23	4.063	4.048	4.073	VV	299	3412	0.13%	0.007%
24	4.098	4.073	4.174	VV	3458	42832	1.67%	0.086%
25	4.208	4.174	4.244	VV	352	10926	0.42%	0.022%
26	4.251	4.244	4.259	VV	271	2292	0.09%	0.005%
27	4.274	4.259	4.349	VV	545	14339	0.56%	0.029%
28	4.404	4.349	4.424	VV	1024	17538	0.68%	0.035%
29	4.442	4.424	4.522	VV	632	19556	0.76%	0.039%
30	4.532	4.522	4.549	VV	399	3913	0.15%	0.008%
31	4.559	4.549	4.581	VV	244	4061	0.16%	0.008%
32	4.587	4.581	4.614	VV	262	4439	0.17%	0.009%
33	4.624	4.614	4.657	VV	283	4724	0.18%	0.010%
34	4.679	4.657	4.701	VV	470	7397	0.29%	0.015%
35	4.721	4.701	4.748	VV	275	6149	0.24%	0.012%
36	4.769	4.748	4.820	VV	735	13745	0.53%	0.028%

					rteres			
37	4.843	4.820	4.877	VV	315	6226	0.24%	0.013%
38	4.911	4.877	4.938	VV	450	8652	0.34%	0.017%
39	4.964	4.938	4.978	VV	313	4833	0.19%	0.010%
40	4.989	4.978	5.038	VV	244	6416	0.25%	0.013%
41	5.047	5.038	5.080	VV	215	5212	0.20%	0.011%
42	5.096	5.080	5.121	VV	338	5607	0.22%	0.011%
43	5.141	5.121	5.168	VV	304	6035	0.23%	0.012%
44	5.200	5.168	5.236	VV	240	7421	0.29%	0.015%
45	5.263	5.236	5.318	VV	236	6629	0.26%	0.013%
46	5.356	5.318	5.365	PV	202	2688	0.10%	0.005%
47	5.389	5.365	5.415	VV	204	4541	0.18%	0.009%
48	5.439	5.415	5.456	VV	200	3522	0.14%	0.007%
49	5.471	5.456	5.483	VV	334	3195	0.12%	0.006%
50	5.497	5.483	5.545	VV	305	5492	0.21%	0.011%
51	5.565	5.545	5.582	VV	237	3261	0.13%	0.007%
52	5.624	5.582	5.661	VV	438	7777	0.30%	0.016%
53	5.695	5.661	5.735	VV	229	5342	0.21%	0.011%
54	5.753	5.735	5.794	VV	149	2451	0.10%	0.005%
55	5.820	5.794	5.835	VV	746	8301	0.32%	0.017%
56	5.852	5.835	5.914	VV	383	8891	0.35%	0.018%
57	6.013	5.914	6.041	VV	457	13395	0.52%	0.027%
58	6.069	6.041	6.094	VV	200	4833	0.19%	0.010%
59	6.119	6.094	6.131	VV	364	5790	0.23%	0.012%
60	6.137	6.131	6.164	VV	365	4343	0.17%	0.009%
61	6.178	6.164	6.198	VV	205	2781	0.11%	0.006%
62	6.210	6.198	6.231	VV	258	2925	0.11%	0.006%
63	6.252	6.231	6.268	VV	194	3347	0.13%	0.007%
64	6.276	6.268	6.290	VV	176	1878	0.07%	0.004%
65	6.302	6.290	6.324	VV	201	2507	0.10%	0.005%
66	6.336	6.324	6.340	PV	213	1246	0.05%	0.003%
67	6.358	6.340	6.378	VV	246	4924	0.19%	0.010%
68	6.399	6.378	6.430	VV	8573	84079	3.27%	0.170%
69	6.447	6.430	6.474	VV	462	7717	0.30%	0.016%
70	6.501	6.474	6.524	VV	366	7285	0.28%	0.015%
71	6.564	6.524	6.618	VV	354	14749	0.57%	0.030%
72	6.651	6.618	6.677	VV	379	9536	0.37%	0.019%
73	6.697	6.677	6.722	VV	472	8151	0.32%	0.016%
74	6.732	6.722	6.757	VV	257	3792	0.15%	0.008%
75	6.773	6.757	6.806	VV	275	5715	0.22%	0.012%
76	6.815	6.806	6.831	VV	160	2376	0.09%	0.005%
77	6.855	6.831	6.904	VV	885	14818	0.58%	0.030%
78	6.933	6.904	6.996	VV	368	12404	0.48%	0.025%
79	7.009	6.996	7.034	VV	360	4965	0.19%	0.010%
80	7.054	7.034	7.109	VV	315	6001	0.23%	0.012%
81	7.142	7.109	7.168	VV	195	3856	0.15%	0.008%
82	7.190	7.168	7.206	VV	249	3707	0.14%	0.007%
83	7.211	7.206	7.218	VV	176	982	0.04%	0.002%
84	7.231	7.218	7.244	VV	161	1742	0.07%	0.004%
85	7.271	7.244	7.322	VV	248	6064	0.24%	0.012%
86	7.378	7.322	7.386	VV	360	7419	0.29%	0.015%
87	7.400	7.386	7.414	VV	371	5275	0.21%	0.011%
88	7.429	7.414	7.464	VV	357	7495	0.29%	0.015%
89	7.499	7.464	7.524	VV	4477	49350	1.92%	0.100%

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90	7.538	7.524	7.559	VV	336	5141	0.20%	0.010%
91	7.582	7.559	7.616	VV	468	9911	0.39%	0.020%
92	7.638	7.616	7.663	VV	3450	35010	1.36%	0.071%
93	7.676	7.663	7.734	VV	279	6940	0.27%	0.014%
94	7.805	7.734	7.858	VV	870	17052	0.66%	0.034%
95	7.877	7.858	7.919	VV	149	4326	0.17%	0.009%
96	7.950	7.919	7.968	VV	216	3970	0.15%	0.008%
97	7.986	7.968	8.016	VV	260	5013	0.19%	0.010%
98	8.042	8.016	8.078	VV	157	2980	0.12%	0.006%
99	8.241	8.188	8.284	VV	1530	25915	1.01%	0.052%
100	8.294	8.284	8.322	VV	217	3711	0.14%	0.007%
101	8.344	8.322	8.364	VV	240	3732	0.15%	0.008%
102	8.401	8.364	8.425	VV	880	15454	0.60%	0.031%
103	8.435	8.425	8.461	VV	374	5832	0.23%	0.012%
104	8.514	8.461	8.554	VV	1598	34103	1.33%	0.069%
105	8.582	8.554	8.601	VV	596	11192	0.44%	0.023%
106	8.622	8.601	8.637	VV	3150	35767	1.39%	0.072%
107	8.650	8.637	8.667	VV	2062	22097	0.86%	0.045%
108	8.692	8.667	8.759	VV	2271	46395	1.80%	0.094%
109	8.809	8.759	8.847	VV	3789	65400	2.54%	0.132%
110	8.864	8.847	8.878	VV	477	5798	0.23%	0.012%
111	8.900	8.878	8.935	VV	804	11407	0.44%	0.023%
112	8.948	8.935	8.963	VV	249	2303	0.09%	0.005%
113	9.058	9.044	9.083	VV	870	10954	0.43%	0.022%
114	9.110	9.083	9.133	VV	10883	109716	4.27%	0.221%
115	9.154	9.133	9.189	VV	1371	28039	1.09%	0.057%
116	9.200	9.189	9.210	VV	632	6935	0.27%	0.014%
117	9.229	9.210	9.265	VV	911	19463	0.76%	0.039%
118	9.275	9.265	9.306	VV	239	5186	0.20%	0.010%
119	9.352	9.306	9.365	VV	1536	22651	0.88%	0.046%
120	9.384	9.365	9.406	VV	7143	73384	2.85%	0.148%
121	9.427	9.406	9.464	VV	1277	24373	0.95%	0.049%
122	9.476	9.464	9.491	VV	551	6702	0.26%	0.014%
123	9.522	9.491	9.546	VV	2068	28018	1.09%	0.057%
124	9.564	9.546	9.646	VV	1288	22523	0.88%	0.045%
125	9.681	9.646	9.696	PV	1289	16271	0.63%	0.033%
126	9.712	9.696	9.737	VV	1231	14323	0.56%	0.029%
127	9.766	9.737	9.778	VV	423	5132	0.20%	0.010%
128	9.818	9.778	9.840	VV	1301	18950	0.74%	0.038%
129	9.857	9.840	9.872	VV	419	5185	0.20%	0.010%
130	9.902	9.872	9.959	VV	9802	115226	4.48%	0.233%
131	9.982	9.959	10.010	VV	1671	28019	1.09%	0.057%
132	10.024	10.010	10.036	VV	1081	11889	0.46%	0.024%
133	10.055	10.036	10.096	VV	2472	38490	1.50%	0.078%
134	10.116	10.096	10.152	VV	1617	22476	0.87%	0.045%
135	10.180	10.152	10.203	VV	7358	78442	3.05%	0.158%
136	10.226	10.203	10.291	VV	3220	53803	2.09%	0.109%
137	10.327	10.291	10.370	VV	4006	68184	2.65%	0.138%
138	10.390	10.370	10.408	VV	839	9966	0.39%	0.020%
139	10.424	10.408	10.448	VV	421	5754	0.22%	0.012%
140	10.494	10.448	10.570	VV	364	11421	0.44%	0.023%
141	10.589	10.570	10.609	PV	167	1983	0.08%	0.004%

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142	10.655	10.609	10.680	VV	983	13658	0.53%	0.028%
143	10.702	10.680	10.721	VV	626	9770	0.38%	0.020%
144	10.761	10.721	10.773	VV	1314	23627	0.92%	0.048%
145	10.790	10.773	10.814	VV	2520	33914	1.32%	0.068%
146	10.832	10.814	10.871	VV	1334	18747	0.73%	0.038%
147	10.909	10.871	10.940	VV	1665	30106	1.17%	0.061%
148	10.961	10.940	10.995	VV	4038	54042	2.10%	0.109%
149	11.006	10.995	11.019	VV	484	6110	0.24%	0.012%
150	11.049	11.019	11.063	VV	1613	22548	0.88%	0.046%
151	11.080	11.063	11.092	VV	2174	24785	0.96%	0.050%
152	11.115	11.092	11.174	VV	4540	85303	3.32%	0.172%
153	11.212	11.174	11.229	VV	1460	23628	0.92%	0.048%
154	11.245	11.229	11.261	VV	566	8454	0.33%	0.017%
155	11.316	11.261	11.363	VV	86850	931562	36.23%	1.880%
156	11.391	11.363	11.433	VV	21807	243076	9.45%	0.491%
157	11.447	11.433	11.478	VV	1060	18789	0.73%	0.038%
158	11.493	11.478	11.544	VV	553	14146	0.55%	0.029%
159	11.562	11.544	11.580	VV	1498	16950	0.66%	0.034%
160	11.601	11.580	11.648	VV	5087	61858	2.41%	0.125%
161	11.682	11.648	11.697	PV	695	12707	0.49%	0.026%
162	11.719	11.697	11.734	VV	888	15557	0.61%	0.031%
163	11.755	11.734	11.778	VV	1659	23601	0.92%	0.048%
164	11.850	11.778	11.888	VV	2580	64243	2.50%	0.130%
165	11.917	11.888	11.938	PV	1481	19970	0.78%	0.040%
166	11.971	11.938	11.992	VV	1078	18856	0.73%	0.038%
167	12.010	11.992	12.030	VV	933	12045	0.47%	0.024%
168	12.082	12.030	12.106	VV	88132	945737	36.78%	1.909%
169	12.123	12.106	12.138	VV	8429	94072	3.66%	0.190%
170	12.154	12.138	12.195	VV	11708	132259	5.14%	0.267%
171	12.239	12.195	12.257	VV	9515	159840	6.22%	0.323%
172	12.272	12.257	12.286	VV	4883	56176	2.18%	0.113%
173	12.303	12.286	12.328	VV	7384	89312	3.47%	0.180%
174	12.342	12.328	12.356	VV	477	3992	0.16%	0.008%
175	12.383	12.356	12.402	PV	915	15565	0.61%	0.031%
176	12.429	12.402	12.457	VV	1651	30602	1.19%	0.062%
177	12.480	12.457	12.502	VV	4591	52893	2.06%	0.107%
178	12.516	12.502	12.546	VV	702	13993	0.54%	0.028%
179	12.555	12.546	12.564	VV	501	4562	0.18%	0.009%
180	12.594	12.564	12.617	VV	6214	70120	2.73%	0.142%
181	12.676	12.617	12.724	VV	5345	101097	3.93%	0.204%
182	12.744	12.724	12.780	VV	1515	31541	1.23%	0.064%
183	12.801	12.780	12.824	VV	902	19263	0.75%	0.039%
184	12.847	12.824	12.859	VV	1620	23857	0.93%	0.048%
185	12.867	12.859	12.898	VV	1379	16681	0.65%	0.034%
186	12.917	12.898	12.954	VV	2136	38874	1.51%	0.078%
187	12.977	12.954	13.006	VV	3452	52684	2.05%	0.106%
188	13.028	13.006	13.045	VV	4613	60485	2.35%	0.122%
189	13.068	13.045	13.109	VV	3813	90199	3.51%	0.182%
190	13.145	13.109	13.188	VV	97875	1113166	43.29%	2.247%
191	13.206	13.188	13.226	VV	1119	14689	0.57%	0.030%
192	13.298	13.226	13.314	PV	1885	50096	1.95%	0.101%
193	13.335	13.314	13.415	VV	3747	90913	3.54%	0.184%
194	13.446	13.415	13.476	VV	82860	909765	35.38%	1.836%

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195	13.519	13.476	13.601	VV	67940	972683	37.83%	1.963%
196	13.619	13.601	13.629	VV	3151	34191	1.33%	0.069%
197	13.644	13.629	13.666	VV	3810	45682	1.78%	0.092%
198	13.686	13.666	13.693	PV	1467	14101	0.55%	0.028%
199	13.711	13.693	13.733	VV	4603	60758	2.36%	0.123%
200	13.782	13.733	13.806	VV	2318	55852	2.17%	0.113%
201	13.843	13.806	13.884	VV	2801	53705	2.09%	0.108%
202	13.907	13.884	13.954	VV	5285	104314	4.06%	0.211%
203	13.966	13.954	13.983	VV	928	14683	0.57%	0.030%
204	14.035	13.983	14.075	VV	10669	193113	7.51%	0.390%
205	14.102	14.075	14.121	VV	1869	29364	1.14%	0.059%
206	14.143	14.121	14.164	VV	5578	75620	2.94%	0.153%
207	14.184	14.164	14.204	VV	5834	76354	2.97%	0.154%
208	14.224	14.204	14.251	VV	2568	48624	1.89%	0.098%
209	14.277	14.251	14.299	VV	4124	86743	3.37%	0.175%
210	14.315	14.299	14.336	VV	5642	81898	3.19%	0.165%
211	14.355	14.336	14.393	VV	5128	80302	3.12%	0.162%
212	14.427	14.393	14.446	VV	2177	40679	1.58%	0.082%
213	14.462	14.446	14.474	VV	1158	15464	0.60%	0.031%
214	14.504	14.474	14.554	VV	1523	48860	1.90%	0.099%
215	14.568	14.554	14.588	VV	1041	13406	0.52%	0.027%
216	14.622	14.588	14.658	VV	536	14253	0.55%	0.029%
217	14.673	14.658	14.688	PV	519	6806	0.26%	0.014%
218	14.771	14.688	14.811	VV	6372	146531	5.70%	0.296%
219	14.840	14.811	14.864	VV	1776	34356	1.34%	0.069%
220	14.878	14.864	14.887	VV	1585	18354	0.71%	0.037%
221	14.898	14.887	14.919	VV	1650	23579	0.92%	0.048%
222	14.953	14.919	14.992	VV	4741	109279	4.25%	0.221%
223	15.018	14.992	15.039	VV	10263	136410	5.30%	0.275%
224	15.075	15.039	15.117	VV	6444	133489	5.19%	0.269%
225	15.201	15.117	15.236	VV	2140	80044	3.11%	0.162%
226	15.246	15.236	15.258	VV	414	4018	0.16%	0.008%
227	15.279	15.258	15.296	VV	2685	33329	1.30%	0.067%
228	15.329	15.296	15.350	VV	41838	493647	19.20%	0.996%
229	15.371	15.350	15.400	VV	35848	448377	17.44%	0.905%
230	15.419	15.400	15.444	VV	1694	25619	1.00%	0.052%
231	15.493	15.444	15.542	VV	8313	151991	5.91%	0.307%
232	15.566	15.542	15.608	VV	2578	44471	1.73%	0.090%
233	15.630	15.608	15.655	PV	2989	49062	1.91%	0.099%
234	15.674	15.655	15.737	VV	2867	67422	2.62%	0.136%
235	15.767	15.737	15.880	VV	4079	94033	3.66%	0.190%
236	15.902	15.880	15.938	VV	2301	36387	1.42%	0.073%
237	15.962	15.938	15.979	VV	1905	23808	0.93%	0.048%
238	16.004	15.979	16.024	VV	7303	89548	3.48%	0.181%
239	16.042	16.024	16.071	VV	3394	43744	1.70%	0.088%
240	16.087	16.071	16.101	VV	935	11913	0.46%	0.024%
241	16.165	16.101	16.198	VV	4358	119551	4.65%	0.241%
242	16.243	16.198	16.265	VV	2860	46863	1.82%	0.095%
243	16.290	16.265	16.301	PV	899	11660	0.45%	0.024%
244	16.326	16.301	16.344	VV	1832	29732	1.16%	0.060%
245	16.360	16.344	16.380	VV	2026	25893	1.01%	0.052%
246	16.405	16.380	16.422	VV	3170	45612	1.77%	0.092%

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247	16.431	16.422	16.484	VV	1677	34775	1.35%	0.070%
248	16.621	16.484	16.658	PV	2772	87829	3.42%	0.177%
249	16.679	16.658	16.698	PV	2044	29590	1.15%	0.060%
250	16.714	16.698	16.738	VV	2393	39843	1.55%	0.080%
251	16.816	16.738	16.845	VV	3562	115649	4.50%	0.233%
252	16.894	16.845	16.950	PV	40457	789516	30.70%	1.594%
253	16.975	16.950	16.991	VV	1543	23963	0.93%	0.048%
254	17.024	16.991	17.049	VV	14809	211525	8.23%	0.427%
255	17.061	17.049	17.098	VV	2549	49285	1.92%	0.099%
256	17.117	17.098	17.131	VV	1848	24209	0.94%	0.049%
257	17.216	17.131	17.243	VV	24552	420286	16.34%	0.848%
258	17.274	17.243	17.313	VV	32627	410844	15.98%	0.829%
259	17.375	17.313	17.411	VV	10872	237947	9.25%	0.480%
260	17.425	17.411	17.441	VV	2819	32719	1.27%	0.066%
261	17.515	17.441	17.552	VV	2961	120885	4.70%	0.244%
262	17.632	17.552	17.671	VV	5087	216215	8.41%	0.436%
263	17.684	17.671	17.717	VV	3370	59042	2.30%	0.119%
264	17.739	17.717	17.747	VV	2394	32718	1.27%	0.066%
265	17.804	17.747	17.829	VV	8341	217957	8.48%	0.440%
266	17.862	17.829	17.879	VV	3681	64589	2.51%	0.130%
267	17.895	17.879	17.913	VV	3241	43455	1.69%	0.088%
268	17.938	17.913	17.971	VV	4938	87950	3.42%	0.178%
269	17.992	17.971	18.018	VV	1481	22290	0.87%	0.045%
270	18.030	18.018	18.042	VV	1250	9997	0.39%	0.020%
271	18.120	18.042	18.136	PV	963	13921	0.54%	0.028%
272	18.167	18.136	18.188	PV	2365	37506	1.46%	0.076%
273	18.248	18.188	18.291	VV	8767	202106	7.86%	0.408%
274	18.323	18.291	18.347	VV	1584	37172	1.45%	0.075%
275	18.379	18.347	18.390	VV	3267	56297	2.19%	0.114%
276	18.413	18.390	18.431	VV	8689	137884	5.36%	0.278%
277	18.441	18.431	18.474	VV	5433	97238	3.78%	0.196%
278	18.500	18.474	18.513	VV	2380	37529	1.46%	0.076%
279	18.555	18.513	18.574	VV	7594	114167	4.44%	0.230%
280	18.587	18.574	18.597	VV	2970	37596	1.46%	0.076%
281	18.648	18.597	18.716	VV	22971	547874	21.31%	1.106%
282	18.731	18.716	18.754	VV	3097	56770	2.21%	0.115%
283	18.781	18.754	18.799	VV	12553	188657	7.34%	0.381%
284	18.812	18.799	18.835	VV	6693	101866	3.96%	0.206%
285	18.849	18.835	18.874	VV	2507	45629	1.77%	0.092%
286	18.904	18.874	18.958	VV	23120	352670	13.72%	0.712%
287	18.984	18.958	19.010	VV	4950	94431	3.67%	0.191%
288	19.035	19.010	19.054	VV	8822	134666	5.24%	0.272%
289	19.080	19.054	19.111	VV	9922	194981	7.58%	0.394%
290	19.158	19.111	19.184	VV	3857	123798	4.81%	0.250%
291	19.206	19.184	19.229	VV	8348	136256	5.30%	0.275%
292	19.254	19.229	19.297	VV	6793	196678	7.65%	0.397%
293	19.338	19.297	19.351	VV	5877	135707	5.28%	0.274%
294	19.372	19.351	19.388	VV	5735	103604	4.03%	0.209%
295	19.478	19.388	19.516	VV	12714	575208	22.37%	1.161%
296	19.536	19.516	19.558	VV	9432	199036	7.74%	0.402%
297	19.599	19.558	19.616	VV	9405	280048	10.89%	0.565%
298	19.627	19.616	19.641	VV	9038	124124	4.83%	0.251%
299	19.671	19.641	19.680	VV	8612	188346	7.32%	0.380%

					rteres			
300	19.696	19.680	19.705	VV	9769	127352	4.95%	0.257%
301	19.764	19.705	19.783	VV	10827	460562	17.91%	0.930%
302	19.868	19.783	19.889	VV	19099	830285	32.29%	1.676%
303	19.925	19.889	19.941	VV	16235	467825	18.19%	0.944%
304	19.959	19.941	19.976	VV	16146	326938	12.71%	0.660%
305	20.004	19.976	20.028	VV	19324	556632	21.65%	1.124%
306	20.063	20.028	20.088	VV	24263	718550	27.94%	1.450%
307	20.133	20.088	20.155	VV	27778	929755	36.16%	1.877%
308	20.179	20.155	20.190	VV	23157	458242	17.82%	0.925%
309	20.236	20.190	20.269	VV	45873	1436152	55.85%	2.899%
310	20.309	20.269	20.328	VV	25630	866657	33.70%	1.749%
311	20.347	20.328	20.362	VV	25532	493066	19.18%	0.995%
312	20.442	20.362	20.462	VV	37539	1776337	69.08%	3.586%
313	20.510	20.462	20.521	VV	35265	1189707	46.27%	2.401%
314	20.540	20.521	20.551	VV	34544	591926	23.02%	1.195%
315	20.606	20.551	20.628	VV	39127	1641647	63.84%	3.314%
316	20.656	20.628	20.668	VV	38098	902780	35.11%	1.822%
317	20.692	20.668	20.748	VV	40916	1848683	71.90%	3.732%
318	20.799	20.748	20.818	VV	39037	1626323	63.25%	3.283%
319	20.831	20.818	20.851	VV	40024	776589	30.20%	1.568%
320	20.887	20.851	20.919	VV	40898	1609664	62.60%	3.249%
321	20.938	20.919	20.954	VV	39489	832348	32.37%	1.680%
322	20.976	20.954	21.036	VV	43007	1855735	72.17%	3.746%
323	21.050	21.036	21.062	VV	33005	498881	19.40%	1.007%
324	21.067	21.062	21.078	VV	32106	298271	11.60%	0.602%
325	21.129	21.078	21.147	VV	33815	1363737	53.04%	2.753%
326	21.161	21.147	21.193	VV	33075	895949	34.84%	1.808%
327	21.215	21.193	21.228	VV	34005	677714	26.36%	1.368%
328	21.238	21.228	21.366	VV	34081	2571349	100.00%	5.190%
Sum of corrected areas:					49541830			

Aliphatic EPH 062725.M Wed Jul 09 08:14:37 2025

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G3(6-12)	SDG No.:	Q2487
Lab Sample ID:	Q2487-12	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/03/25 09:30	07/07/25 16:30	PB168723

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	44.7		1	1.68	2.85	mg/kg	FE054708.D
Aliphatic C9-C28	Aliphatic C9-C28	5.49	J	1	1.29	5.69	mg/kg	FE054708.D
Total AliphaticEPH	Total AliphaticEPH	50.2			2.98	8.54	mg/kg	
Total EPH	Total EPH	50.2			2.98	8.54	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G3(6-12)	SDG No.:	Q2487
Lab Sample ID:	Q2487-12	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054708.D	1	07/03/25	07/07/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.49	J	1.29	5.69	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	44.7		1.68	2.85	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.8		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.6		40 - 140	69%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2487-12	Acq On:	07 Jul 2025 16:30
Client Sample ID:	G3(6-12)	Operator:	YP\AJ
Data file:	FE054708.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	3.322	6.953	1888466	13.88	300	ug/ml
Aliphatic C12-C16	6.954	10.404	1050152	7.471	200	ug/ml
Aliphatic C16-C21	10.405	13.782	2133879	14.778	300	ug/ml
Aliphatic C21-C28	13.783	17.452	3144747	21.74	400	ug/ml
Aliphatic C28-C40	17.453	22.469	65375625	471.524	600	ug/ml
Aliphatic EPH	3.322	22.469	73592869	529.393		ug/ml
ortho-Terphenyl (SURR)	12.083	12.083	5618129	34.6		ug/ml
1-chlorooctadecane (SURR)	13.519	13.519	4264936	33.77		ug/ml
Aliphatic C9-C28	3.322	17.452	8217244	57.869	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054708.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jul 2025 16:30
 Operator : YP\AJ
 Sample : Q2487-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 G3(6-12)

Integration File: sample.E
 Quant Time: Jul 08 03:31:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.083	5618129	34.596 ug/ml
Spiked Amount 50.000		Recovery =	69.19%
12) S 1-chlorooctadecane (S...	13.519	4264936	33.770 ug/ml
Spiked Amount 50.000		Recovery =	67.54%

Target Compounds

(f)=RT Delta > 1/2 Window

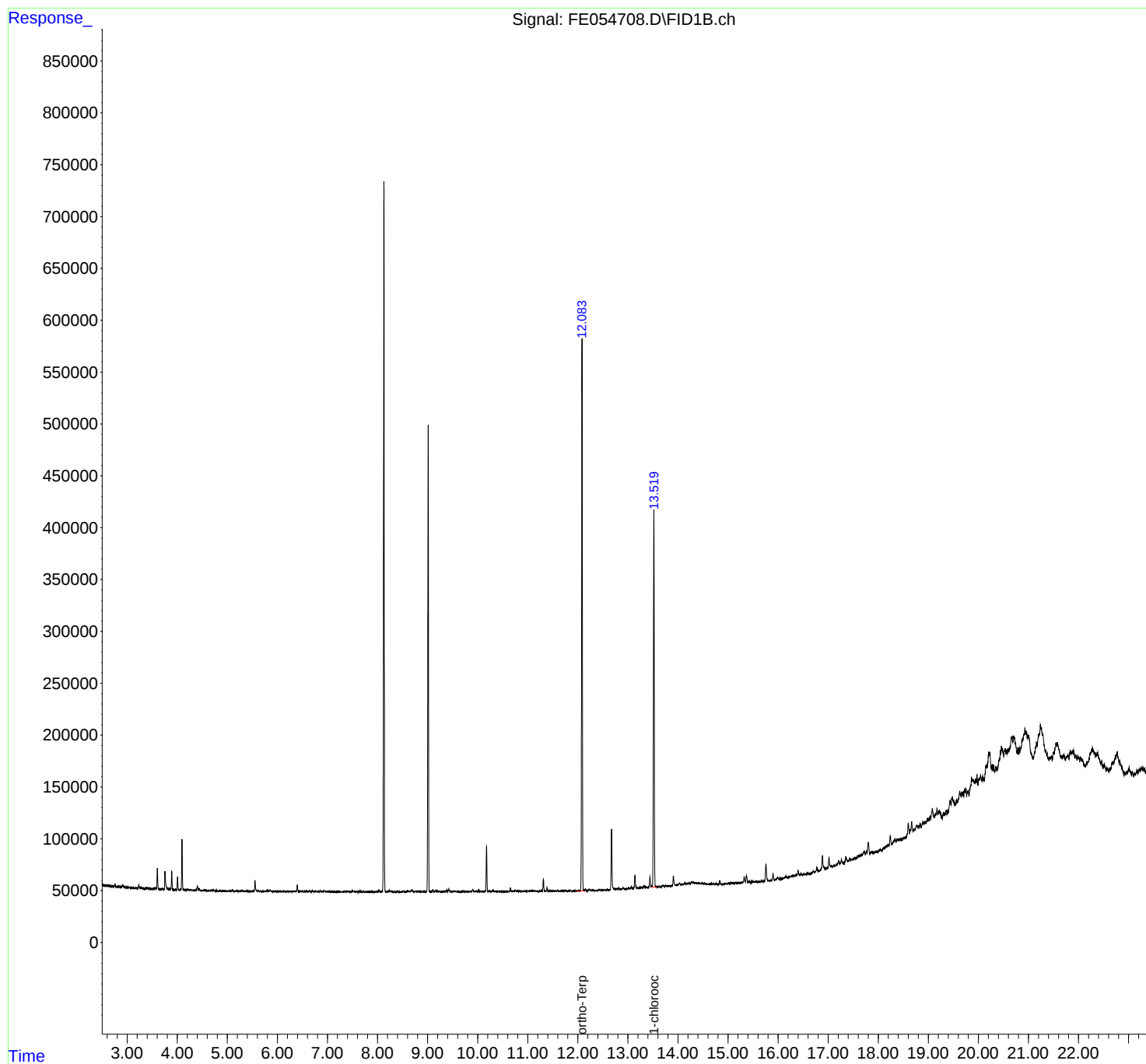
(m)=manual int.

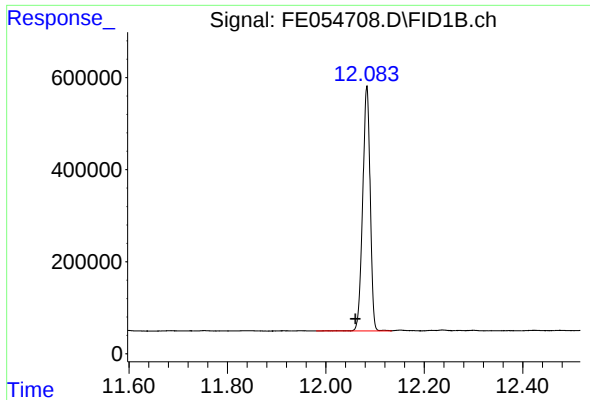
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054708.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 16:30
Operator : YP\AJ
Sample : Q2487-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
G3(6-12)

Integration File: sample.E
Quant Time: Jul 08 03:31:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

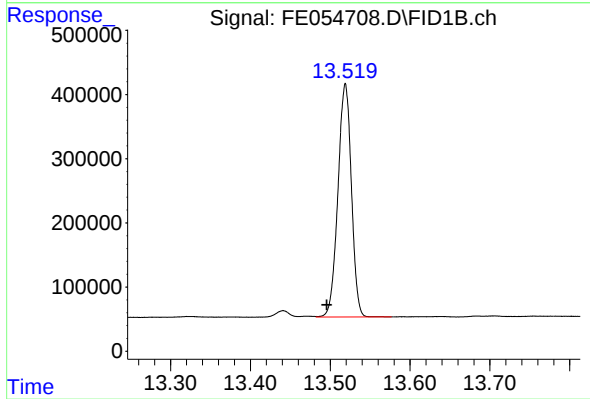




#9 ortho-Terphenyl (SURR)

R.T.: 12.083 min
Delta R.T.: 0.024 min
Response: 5618129
Conc: 34.60 ug/ml

Instrument :
FID_E
ClientSampleId :
G3(6-12)



#12 1-chlorooctadecane (SURR)

R.T.: 13.519 min
Delta R.T.: 0.023 min
Response: 4264936
Conc: 33.77 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054708.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 16:30
Sample : Q2487-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.837	2.804	2.886	BV	815	9818	0.12%	0.012%
2	2.906	2.886	3.021	VV	1918	39155	0.49%	0.047%
3	3.027	3.021	3.083	VV	196	5483	0.07%	0.007%
4	3.096	3.083	3.159	PV	207	5217	0.06%	0.006%
5	3.168	3.159	3.201	VV	103	1328	0.02%	0.002%
6	3.232	3.201	3.261	VV	3545	40748	0.51%	0.049%
7	3.271	3.261	3.351	VV	857	22059	0.27%	0.026%
8	3.397	3.351	3.435	PV	982	22449	0.28%	0.027%
9	3.448	3.435	3.478	VV	372	6739	0.08%	0.008%
10	3.489	3.478	3.506	VV	461	5039	0.06%	0.006%
11	3.527	3.506	3.542	VV	711	10100	0.13%	0.012%
12	3.558	3.542	3.577	VV	684	11048	0.14%	0.013%
13	3.602	3.577	3.681	VV	20261	194219	2.42%	0.232%
14	3.701	3.681	3.734	PV	604	9567	0.12%	0.011%
15	3.755	3.734	3.801	VV	17315	215240	2.68%	0.257%
16	3.809	3.801	3.834	VV	1065	12256	0.15%	0.015%
17	3.853	3.834	3.871	VV	1431	19362	0.24%	0.023%
18	3.890	3.871	3.925	VV	17285	158005	1.97%	0.189%
19	3.934	3.925	3.948	VV	74	817	0.01%	0.001%
20	3.958	3.948	3.976	VV	147	1332	0.02%	0.002%
21	4.006	3.976	4.040	PV	12639	115531	1.44%	0.138%
22	4.095	4.040	4.173	VV	48821	454664	5.65%	0.544%
23	4.202	4.173	4.240	PV	1017	15876	0.20%	0.019%
24	4.269	4.240	4.297	VV	781	12303	0.15%	0.015%
25	4.308	4.297	4.368	VV	256	5863	0.07%	0.007%
26	4.402	4.368	4.423	VV	3989	56725	0.71%	0.068%
27	4.438	4.423	4.491	VV	2296	26743	0.33%	0.032%
28	4.536	4.491	4.552	VV	996	12100	0.15%	0.014%
29	4.560	4.552	4.587	VV	337	4302	0.05%	0.005%
30	4.601	4.587	4.644	VV	236	4620	0.06%	0.006%
31	4.678	4.644	4.708	VV	802	14547	0.18%	0.017%
32	4.718	4.708	4.818	VV	556	18924	0.24%	0.023%
33	4.844	4.818	4.883	PV	652	7383	0.09%	0.009%
34	4.908	4.883	4.929	VV	248	3618	0.04%	0.004%
35	4.959	4.929	5.016	VV	327	6269	0.08%	0.007%
36	5.042	5.016	5.081	PV	334	6143	0.08%	0.007%

					rteres			
37	5.102	5.081	5.161	VV	739	16278	0.20%	0.019%
38	5.179	5.161	5.218	VV	468	8071	0.10%	0.010%
39	5.230	5.218	5.260	VV	404	6076	0.08%	0.007%
40	5.292	5.260	5.377	VV	656	19688	0.24%	0.024%
41	5.396	5.377	5.421	VV	470	6400	0.08%	0.008%
42	5.434	5.421	5.472	VV	145	3344	0.04%	0.004%
43	5.496	5.472	5.521	VV	204	3226	0.04%	0.004%
44	5.552	5.521	5.604	VV	10398	119342	1.48%	0.143%
45	5.621	5.604	5.644	VV	726	9995	0.12%	0.012%
46	5.660	5.644	5.687	VV	420	6662	0.08%	0.008%
47	5.699	5.687	5.725	VV	347	3659	0.05%	0.004%
48	5.804	5.725	5.838	VV	1048	15269	0.19%	0.018%
49	5.853	5.838	5.869	VV	1742	17334	0.22%	0.021%
50	5.878	5.869	5.906	VV	572	6613	0.08%	0.008%
51	5.926	5.906	5.952	VV	439	5726	0.07%	0.007%
52	5.965	5.952	5.972	VV	164	1097	0.01%	0.001%
53	5.996	5.972	6.004	VV	165	2643	0.03%	0.003%
54	6.013	6.004	6.044	VV	232	2790	0.03%	0.003%
55	6.067	6.044	6.125	VV	255	9146	0.11%	0.011%
56	6.136	6.125	6.161	VV	219	3180	0.04%	0.004%
57	6.190	6.161	6.202	VV	184	3119	0.04%	0.004%
58	6.210	6.202	6.258	PV	180	4694	0.06%	0.006%
59	6.277	6.258	6.344	VV	249	8296	0.10%	0.010%
60	6.361	6.344	6.372	VV	351	4332	0.05%	0.005%
61	6.397	6.372	6.431	VV	6274	66862	0.83%	0.080%
62	6.447	6.431	6.464	VV	451	6726	0.08%	0.008%
63	6.479	6.464	6.531	VV	407	10927	0.14%	0.013%
64	6.561	6.531	6.608	VV	346	10935	0.14%	0.013%
65	6.640	6.608	6.668	VV	916	13709	0.17%	0.016%
66	6.696	6.668	6.725	VV	815	13853	0.17%	0.017%
67	6.761	6.725	6.801	VV	470	12342	0.15%	0.015%
68	6.815	6.801	6.825	VV	303	3181	0.04%	0.004%
69	6.857	6.825	6.903	VV	744	14051	0.17%	0.017%
70	6.930	6.903	6.951	VV	1463	17116	0.21%	0.020%
71	6.961	6.951	7.000	VV	332	5020	0.06%	0.006%
72	7.011	7.000	7.098	VV	185	5582	0.07%	0.007%
73	7.114	7.098	7.131	VV	119	1211	0.02%	0.001%
74	7.140	7.131	7.221	VV	176	4503	0.06%	0.005%
75	7.267	7.221	7.318	PV	134	4739	0.06%	0.006%
76	7.357	7.318	7.433	VV	395	17289	0.22%	0.021%
77	7.440	7.433	7.468	VV	231	3270	0.04%	0.004%
78	7.497	7.468	7.520	VV	1528	17918	0.22%	0.021%
79	7.541	7.520	7.617	VV	423	11352	0.14%	0.014%
80	7.636	7.617	7.668	VV	979	11151	0.14%	0.013%
81	7.672	7.668	7.688	VV	231	1956	0.02%	0.002%
82	7.708	7.688	7.761	VV	375	8440	0.10%	0.010%
83	7.767	7.761	7.782	VV	135	1366	0.02%	0.002%
84	7.799	7.782	7.837	VV	226	4269	0.05%	0.005%
85	7.863	7.837	7.879	PV	143	1694	0.02%	0.002%
86	7.890	7.879	7.914	VV	104	1836	0.02%	0.002%
87	7.926	7.914	7.938	VV	128	1294	0.02%	0.002%
88	7.948	7.938	7.957	VV	187	1756	0.02%	0.002%
89	7.974	7.957	8.002	VV	301	4925	0.06%	0.006%

					rteres			
90	8.024	8.002	8.080	VV	2055	25096	0.31%	0.030%
91	8.184	8.173	8.201	VV	233	3356	0.04%	0.004%
92	8.236	8.201	8.254	VV	1227	21879	0.27%	0.026%
93	8.267	8.254	8.321	VV	669	11036	0.14%	0.013%
94	8.346	8.321	8.368	VV	175	2823	0.04%	0.003%
95	8.401	8.368	8.452	PV	333	7166	0.09%	0.009%
96	8.513	8.452	8.541	VV	416	10420	0.13%	0.012%
97	8.584	8.541	8.604	VV	555	11169	0.14%	0.013%
98	8.619	8.604	8.636	VV	765	10656	0.13%	0.013%
99	8.649	8.636	8.660	VV	558	7219	0.09%	0.009%
100	8.685	8.660	8.765	VV	1671	39234	0.49%	0.047%
101	8.808	8.765	8.849	VV	747	17129	0.21%	0.020%
102	8.865	8.849	8.888	VV	183	3150	0.04%	0.004%
103	8.898	8.888	8.964	VV	194	4812	0.06%	0.006%
104	9.055	9.044	9.091	VV	560	11107	0.14%	0.013%
105	9.107	9.091	9.129	VV	2256	23991	0.30%	0.029%
106	9.166	9.129	9.188	VV	1049	23525	0.29%	0.028%
107	9.195	9.188	9.219	VV	708	9472	0.12%	0.011%
108	9.235	9.219	9.288	VV	350	7744	0.10%	0.009%
109	9.321	9.288	9.336	VV	497	6798	0.08%	0.008%
110	9.349	9.336	9.362	VV	370	4318	0.05%	0.005%
111	9.381	9.362	9.399	VV	1574	17396	0.22%	0.021%
112	9.423	9.399	9.487	VV	2061	39200	0.49%	0.047%
113	9.521	9.487	9.542	VV	792	12828	0.16%	0.015%
114	9.561	9.542	9.609	VV	384	8935	0.11%	0.011%
115	9.618	9.609	9.653	VV	88	2139	0.03%	0.003%
116	9.676	9.653	9.687	VV	207	3236	0.04%	0.004%
117	9.712	9.687	9.751	VV	603	10254	0.13%	0.012%
118	9.815	9.751	9.835	VV	297	6378	0.08%	0.008%
119	9.859	9.835	9.877	PV	464	7056	0.09%	0.008%
120	9.899	9.877	9.939	VV	2355	31970	0.40%	0.038%
121	9.980	9.939	10.014	VV	536	17176	0.21%	0.021%
122	10.020	10.014	10.069	VV	886	12401	0.15%	0.015%
123	10.078	10.069	10.097	VV	326	3836	0.05%	0.005%
124	10.113	10.097	10.127	VV	342	4320	0.05%	0.005%
125	10.177	10.127	10.205	VV	43519	447921	5.57%	0.536%
126	10.226	10.205	10.283	VV	697	18516	0.23%	0.022%
127	10.307	10.283	10.377	VV	874	22947	0.29%	0.027%
128	10.396	10.377	10.474	PV	448	11972	0.15%	0.014%
129	10.486	10.474	10.501	VV	199	2160	0.03%	0.003%
130	10.515	10.501	10.558	VV	190	2522	0.03%	0.003%
131	10.584	10.558	10.601	VV	155	2430	0.03%	0.003%
132	10.654	10.601	10.684	VV	3674	41312	0.51%	0.049%
133	10.698	10.684	10.718	VV	367	5063	0.06%	0.006%
134	10.748	10.718	10.769	VV	1074	19473	0.24%	0.023%
135	10.786	10.769	10.814	VV	778	12855	0.16%	0.015%
136	10.828	10.814	10.843	VV	458	5897	0.07%	0.007%
137	10.859	10.843	10.888	VV	351	7070	0.09%	0.008%
138	10.908	10.888	10.938	VV	479	9804	0.12%	0.012%
139	10.956	10.938	10.982	VV	711	11933	0.15%	0.014%
140	11.002	10.982	11.019	VV	694	9933	0.12%	0.012%
141	11.046	11.019	11.066	VV	901	15268	0.19%	0.018%

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142	11.076	11.066	11.088	VV	449	4334	0.05%	0.005%
143	11.113	11.088	11.133	VV	815	14090	0.18%	0.017%
144	11.149	11.133	11.201	VV	605	12079	0.15%	0.014%
145	11.208	11.201	11.221	VV	240	2406	0.03%	0.003%
146	11.244	11.221	11.255	VV	326	4734	0.06%	0.006%
147	11.276	11.255	11.291	VV	628	8960	0.11%	0.011%
148	11.312	11.291	11.358	VV	12425	138310	1.72%	0.165%
149	11.387	11.358	11.427	VV	3481	45476	0.57%	0.054%
150	11.446	11.427	11.464	VV	962	12432	0.15%	0.015%
151	11.481	11.464	11.514	VV	445	9411	0.12%	0.011%
152	11.520	11.514	11.540	VV	224	2392	0.03%	0.003%
153	11.562	11.540	11.578	VV	475	6129	0.08%	0.007%
154	11.598	11.578	11.648	VV	1320	17531	0.22%	0.021%
155	11.685	11.648	11.711	PV	726	12923	0.16%	0.015%
156	11.726	11.711	11.737	VV	499	5834	0.07%	0.007%
157	11.753	11.737	11.777	VV	854	11208	0.14%	0.013%
158	11.847	11.777	11.883	VV	676	18435	0.23%	0.022%
159	11.914	11.883	11.938	PV	473	6843	0.09%	0.008%
160	11.949	11.938	11.980	VV	557	7400	0.09%	0.009%
161	12.002	11.980	12.010	VV	407	4881	0.06%	0.006%
162	12.025	12.010	12.048	VV	456	8305	0.10%	0.010%
163	12.083	12.048	12.134	VV	532868	5609522	69.77%	6.707%
164	12.151	12.134	12.195	VV	1665	27593	0.34%	0.033%
165	12.238	12.195	12.257	VV	1855	33876	0.42%	0.041%
166	12.271	12.257	12.283	VV	816	9327	0.12%	0.011%
167	12.300	12.283	12.324	VV	1158	13527	0.17%	0.016%
168	12.339	12.324	12.351	PV	139	1154	0.01%	0.001%
169	12.371	12.351	12.391	VV	269	3359	0.04%	0.004%
170	12.424	12.391	12.454	VV	811	13690	0.17%	0.016%
171	12.476	12.454	12.503	VV	711	8867	0.11%	0.011%
172	12.526	12.503	12.568	PV	487	9021	0.11%	0.011%
173	12.590	12.568	12.611	VV	865	10187	0.13%	0.012%
174	12.624	12.611	12.638	PV	242	2037	0.03%	0.002%
175	12.673	12.638	12.751	VV	58888	711298	8.85%	0.850%
176	12.765	12.751	12.781	VV	924	13467	0.17%	0.016%
177	12.794	12.781	12.804	VV	1038	12145	0.15%	0.015%
178	12.820	12.804	12.863	VV	1418	25184	0.31%	0.030%
179	12.904	12.863	12.950	VV	1623	33637	0.42%	0.040%
180	13.020	12.950	13.044	VV	1153	34402	0.43%	0.041%
181	13.068	13.044	13.114	VV	1756	39765	0.49%	0.048%
182	13.140	13.114	13.179	VV	12895	171392	2.13%	0.205%
183	13.198	13.179	13.211	VV	859	15180	0.19%	0.018%
184	13.253	13.211	13.263	VV	822	23431	0.29%	0.028%
185	13.323	13.263	13.359	VV	1902	68598	0.85%	0.082%
186	13.377	13.359	13.397	VV	1017	21040	0.26%	0.025%
187	13.441	13.397	13.461	VV	10809	143150	1.78%	0.171%
188	13.471	13.461	13.482	VV	2049	23421	0.29%	0.028%
189	13.519	13.482	13.578	VV	361451	4310500	53.61%	5.154%
190	13.639	13.578	13.660	VV	1156	44745	0.56%	0.053%
191	13.705	13.660	13.734	VV	1921	60222	0.75%	0.072%
192	13.755	13.734	13.813	VV	1515	60331	0.75%	0.072%
193	13.837	13.813	13.851	VV	1175	24128	0.30%	0.029%
194	13.909	13.851	13.981	VV	10627	224548	2.79%	0.268%

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195	14.030	13.981	14.058	VV	3699	106737	1.33%	0.128%
196	14.139	14.058	14.164	VV	3374	147938	1.84%	0.177%
197	14.181	14.164	14.196	VV	2936	49147	0.61%	0.059%
198	14.222	14.196	14.241	VV	3351	75486	0.94%	0.090%
199	14.271	14.241	14.298	VV	4239	113290	1.41%	0.135%
200	14.306	14.298	14.331	VV	3358	58878	0.73%	0.070%
201	14.351	14.331	14.383	VV	3042	83414	1.04%	0.100%
202	14.404	14.383	14.448	VV	2574	89772	1.12%	0.107%
203	14.454	14.448	14.464	VV	2025	19882	0.25%	0.024%
204	14.491	14.464	14.628	VV	2170	148114	1.84%	0.177%
205	14.662	14.628	14.691	VV	1651	40888	0.51%	0.049%
206	14.709	14.691	14.734	VV	1379	24703	0.31%	0.030%
207	14.766	14.734	14.807	VV	1005	24378	0.30%	0.029%
208	14.836	14.807	14.884	PV	3559	50668	0.63%	0.061%
209	14.906	14.884	14.921	VV	399	5319	0.07%	0.006%
210	14.944	14.921	14.981	VV	832	17268	0.21%	0.021%
211	15.012	14.981	15.033	VV	1184	17382	0.22%	0.021%
212	15.066	15.033	15.104	VV	1085	23245	0.29%	0.028%
213	15.156	15.104	15.180	VV	690	17259	0.21%	0.021%
214	15.216	15.180	15.253	VV	621	17754	0.22%	0.021%
215	15.275	15.253	15.293	VV	713	10338	0.13%	0.012%
216	15.322	15.293	15.344	VV	5926	79601	0.99%	0.095%
217	15.367	15.344	15.400	VV	6678	108877	1.35%	0.130%
218	15.422	15.400	15.445	VV	1069	17084	0.21%	0.020%
219	15.487	15.445	15.505	VV	1285	22214	0.28%	0.027%
220	15.521	15.505	15.542	VV	644	9765	0.12%	0.012%
221	15.561	15.542	15.593	VV	734	11065	0.14%	0.013%
222	15.623	15.593	15.644	PV	479	7655	0.10%	0.009%
223	15.678	15.644	15.697	VV	525	8168	0.10%	0.010%
224	15.709	15.697	15.715	VV	220	1872	0.02%	0.002%
225	15.756	15.715	15.834	VV	16430	245720	3.06%	0.294%
226	15.855	15.834	15.874	PV	525	6410	0.08%	0.008%
227	15.898	15.874	15.934	VV	6172	81555	1.01%	0.098%
228	15.983	15.934	16.016	PV	2166	53482	0.67%	0.064%
229	16.038	16.016	16.071	VV	843	14089	0.18%	0.017%
230	16.164	16.071	16.189	VV	1273	48263	0.60%	0.058%
231	16.236	16.189	16.250	VV	814	21903	0.27%	0.026%
232	16.278	16.250	16.300	VV	1394	29233	0.36%	0.035%
233	16.320	16.300	16.340	VV	1369	23910	0.30%	0.029%
234	16.400	16.340	16.442	VV	5179	109691	1.36%	0.131%
235	16.463	16.442	16.482	VV	1362	20768	0.26%	0.025%
236	16.529	16.482	16.551	VV	590	18905	0.24%	0.023%
237	16.597	16.551	16.626	VV	641	20408	0.25%	0.024%
238	16.639	16.626	16.649	VV	206	2176	0.03%	0.003%
239	16.706	16.649	16.728	PV	1551	23422	0.29%	0.028%
240	16.772	16.728	16.800	VV	3946	64765	0.81%	0.077%
241	16.815	16.800	16.824	VV	394	5766	0.07%	0.007%
242	16.885	16.824	16.935	VV	13475	226801	2.82%	0.271%
243	16.962	16.935	16.981	VV	614	13990	0.17%	0.017%
244	17.017	16.981	17.082	VV	9943	147546	1.84%	0.176%
245	17.114	17.082	17.135	VV	946	16586	0.21%	0.020%
246	17.208	17.135	17.234	VV	3853	77322	0.96%	0.092%

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247	17.266	17.234	17.301	VV	4425	66010	0.82%	0.079%
248	17.353	17.301	17.388	PV	5607	98021	1.22%	0.117%
249	17.431	17.388	17.451	VV	2385	51168	0.64%	0.061%
250	17.468	17.451	17.481	VV	1500	22726	0.28%	0.027%
251	17.533	17.481	17.550	VV	1778	50958	0.63%	0.061%
252	17.650	17.550	17.660	VV	2921	135479	1.68%	0.162%
253	17.672	17.660	17.681	VV	2466	28690	0.36%	0.034%
254	17.718	17.681	17.744	VV	5179	134119	1.67%	0.160%
255	17.802	17.744	17.832	VV	12478	289016	3.59%	0.346%
256	17.858	17.832	17.874	VV	2318	47483	0.59%	0.057%
257	17.896	17.874	17.909	VV	1985	32463	0.40%	0.039%
258	17.946	17.909	17.954	VV	1456	34730	0.43%	0.042%
259	17.963	17.954	17.994	VV	1297	17356	0.22%	0.021%
260	18.044	17.994	18.061	PV	2004	40693	0.51%	0.049%
261	18.115	18.061	18.128	VV	2344	50005	0.62%	0.060%
262	18.169	18.128	18.179	VV	2892	71037	0.88%	0.085%
263	18.198	18.179	18.214	VV	3633	59384	0.74%	0.071%
264	18.240	18.214	18.275	VV	10848	209430	2.60%	0.250%
265	18.337	18.275	18.358	VV	6013	219305	2.73%	0.262%
266	18.371	18.358	18.381	VV	5702	62884	0.78%	0.075%
267	18.407	18.381	18.423	VV	4777	108729	1.35%	0.130%
268	18.434	18.423	18.454	VV	4543	68951	0.86%	0.082%
269	18.543	18.454	18.554	VV	4422	213352	2.65%	0.255%
270	18.600	18.554	18.623	VV	16312	365393	4.54%	0.437%
271	18.667	18.623	18.693	VV	16721	438153	5.45%	0.524%
272	18.705	18.693	18.715	VV	8014	95935	1.19%	0.115%
273	18.728	18.715	18.736	VV	8430	98745	1.23%	0.118%
274	18.768	18.736	18.795	VV	11152	341616	4.25%	0.408%
275	18.803	18.795	18.818	VV	9767	124576	1.55%	0.149%
276	18.834	18.818	18.857	VV	11956	228545	2.84%	0.273%
277	18.893	18.857	18.914	VV	12243	345671	4.30%	0.413%
278	18.932	18.914	18.948	VV	10890	212465	2.64%	0.254%
279	18.978	18.948	18.990	VV	13464	289948	3.61%	0.347%
280	19.000	18.990	19.012	VV	13090	163549	2.03%	0.196%
281	19.034	19.012	19.047	VV	14912	275202	3.42%	0.329%
282	19.080	19.047	19.111	VV	21277	642776	7.99%	0.769%
283	19.173	19.111	19.188	VV	19475	692674	8.61%	0.828%
284	19.211	19.188	19.279	VV	17097	732346	9.11%	0.876%
285	19.296	19.279	19.314	VV	12517	241843	3.01%	0.289%
286	19.318	19.314	19.337	VV	12800	156099	1.94%	0.187%
287	19.358	19.337	19.372	VV	13959	264409	3.29%	0.316%
288	19.383	19.372	19.394	VV	14138	166271	2.07%	0.199%
289	19.434	19.394	19.458	VV	21074	668743	8.32%	0.800%
290	19.471	19.458	19.522	VV	24395	816612	10.16%	0.976%
291	19.530	19.522	19.554	VV	17827	339135	4.22%	0.405%
292	19.565	19.554	19.578	VV	21061	272433	3.39%	0.326%
293	19.626	19.578	19.639	VV	27401	816293	10.15%	0.976%
294	19.646	19.639	19.658	VV	24631	270704	3.37%	0.324%
295	19.671	19.658	19.689	VV	25681	451495	5.62%	0.540%
296	19.698	19.689	19.709	VV	26296	286222	3.56%	0.342%
297	19.722	19.709	19.734	VV	27556	380984	4.74%	0.456%
298	19.746	19.734	19.766	VV	27266	484973	6.03%	0.580%
299	19.779	19.766	19.788	VV	23828	298350	3.71%	0.357%

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300	19.797	19.788	19.814	VV	23759	353295	4.39%	0.422%
301	19.861	19.814	19.924	VV	34976	2010326	25.00%	2.404%
302	19.946	19.924	19.960	VV	32879	662228	8.24%	0.792%
303	19.973	19.960	19.994	VV	36990	659136	8.20%	0.788%
304	20.045	19.994	20.063	VV	35386	1317047	16.38%	1.575%
305	20.073	20.063	20.081	VV	31539	345847	4.30%	0.414%
306	20.091	20.081	20.114	VV	33015	607356	7.55%	0.726%
307	20.155	20.114	20.170	VV	42276	1241831	15.44%	1.485%
308	20.215	20.170	20.228	VV	53394	1677151	20.86%	2.005%
309	20.232	20.228	20.272	VV	53254	1150821	14.31%	1.376%
310	20.281	20.272	20.293	VV	40933	498577	6.20%	0.596%
311	20.304	20.293	20.327	VV	40203	729355	9.07%	0.872%
312	20.344	20.327	20.369	VV	37579	906223	11.27%	1.084%
313	20.461	20.369	20.506	VV	54433	3695926	45.97%	4.419%
314	20.532	20.506	20.553	VV	51513	1390117	17.29%	1.662%
315	20.566	20.553	20.581	VV	49529	783489	9.74%	0.937%
316	20.661	20.581	20.690	VV	60274	3482398	43.31%	4.164%
317	20.707	20.690	20.773	VV	60008	2639230	32.82%	3.156%
318	20.786	20.773	20.800	VV	47329	723250	9.00%	0.865%
319	20.815	20.800	20.826	VV	46716	699628	8.70%	0.837%
320	20.928	20.826	21.099	VV	63058	8040554	100.00%	9.614%
321	21.161	21.099	21.173	VV	45216	1705958	21.22%	2.040%
322	21.238	21.173	21.332	VV	60863	4724360	58.76%	5.649%
323	21.343	21.332	21.411	VV	34875	1384844	17.22%	1.656%
324	21.462	21.411	21.474	VV	26237	951348	11.83%	1.137%
325	21.555	21.474	21.567	VV	37523	1739689	21.64%	2.080%
326	21.579	21.567	21.649	VV	37333	1458521	18.14%	1.744%
327	21.659	21.649	21.665	VV	22781	216035	2.69%	0.258%
328	21.709	21.665	21.732	VV	23491	859116	10.68%	1.027%
329	21.775	21.732	21.788	VV	21159	665303	8.27%	0.795%
330	21.795	21.788	21.809	VV	20590	246483	3.07%	0.295%
331	21.836	21.809	21.844	VV	25002	475265	5.91%	0.568%
332	21.875	21.844	21.890	VV	23653	616268	7.66%	0.737%
333	21.901	21.890	21.971	VV	23578	883531	10.99%	1.056%
334	21.986	21.971	22.023	VV	17338	443181	5.51%	0.530%
335	22.038	22.023	22.116	VV	14190	601053	7.48%	0.719%
336	22.123	22.116	22.135	VV	5347	53593	0.67%	0.064%
337	22.163	22.135	22.174	VV	7560	132639	1.65%	0.159%
338	22.277	22.174	22.333	VV	19383	1215813	15.12%	1.454%
339	22.340	22.333	22.353	VV	11623	132074	1.64%	0.158%
340	22.362	22.353	22.371	VV	11493	111784	1.39%	0.134%
341	22.381	22.371	22.441	VV	12449	286032	3.56%	0.342%
Sum of corrected areas:						83636707		

Aliphatic EPH 062725.M Tue Jul 08 05:03:58 2025

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G2(0-6)	SDG No.:	Q2487
Lab Sample ID:	Q2487-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/03/25 09:30	07/08/25 9:24	PB168723

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	65.9		2	2.62	4.44	mg/kg FE054731.D
Aliphatic C9-C28	Aliphatic C9-C28	97.8		2	2.02	8.88	mg/kg FE054731.D
Total AliphaticEPH	Total AliphaticEPH	164			4.64	13.3	mg/kg
Total EPH	Total EPH	164			4.64	13.3	mg/kg

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G2(0-6)	SDG No.:	Q2487
Lab Sample ID:	Q2487-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054709.D	1	07/03/25	07/07/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	98.1	E	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	54.0	E	1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	58.9		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.6		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2487-13	Acq On:	07 Jul 2025 17:01
Client Sample ID:	G2(0-6)	Operator:	YP\AJ
Data file:	FE054709.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	3.322	6.953	1609770	11.832	300	ug/ml
Aliphatic C12-C16	6.954	10.404	9537357	67.849	200	ug/ml
Aliphatic C16-C21	10.405	13.782	80954082	560.649	300	ug/ml
Aliphatic C21-C28	13.783	17.452	98931357	683.928	400	ug/ml
Aliphatic C28-C40	17.453	22.469	100995019	728.43	600	ug/ml
Aliphatic EPH	3.322	22.469	292027585	2050		ug/ml
ortho-Terphenyl (SURR)	12.083	12.083	4801374	29.57		ug/ml
1-chlorooctadecane (SURR)	13.522	13.522	7441396	58.92		ug/ml
Aliphatic C9-C28	3.322	17.452	191032566	1320	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054709.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jul 2025 17:01
 Operator : YP\AJ
 Sample : Q2487-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 G2(0-6)

Integration File: sample.E
 Quant Time: Jul 08 03:31:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.083	4801374	29.566 ug/ml
Spiked Amount 50.000		Recovery =	59.13%
12) S 1-chlorooctadecane (S...	13.522	7441396	58.921 ug/ml
Spiked Amount 50.000		Recovery =	117.84%

Target Compounds

(f)=RT Delta > 1/2 Window

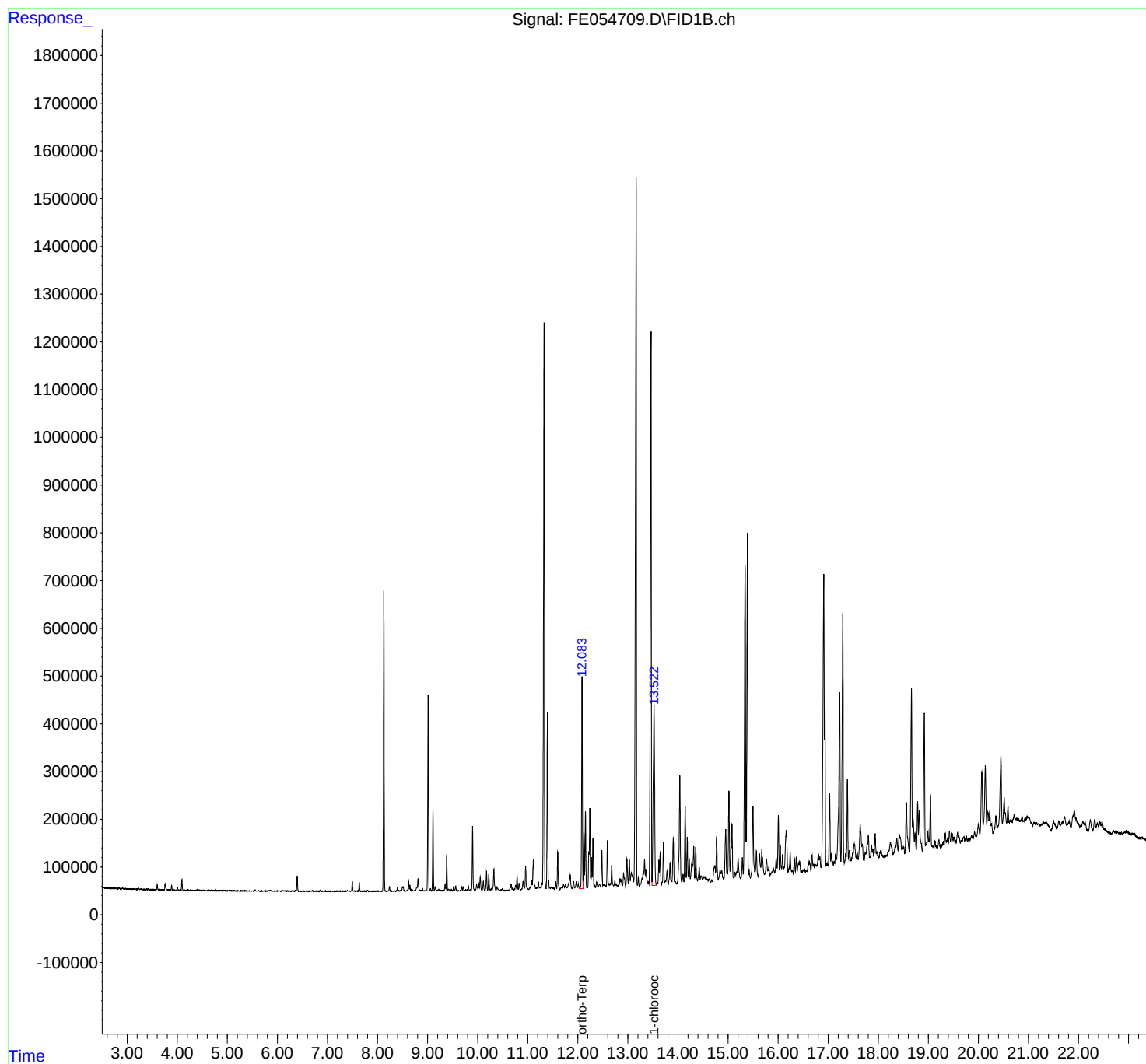
(m)=manual int.

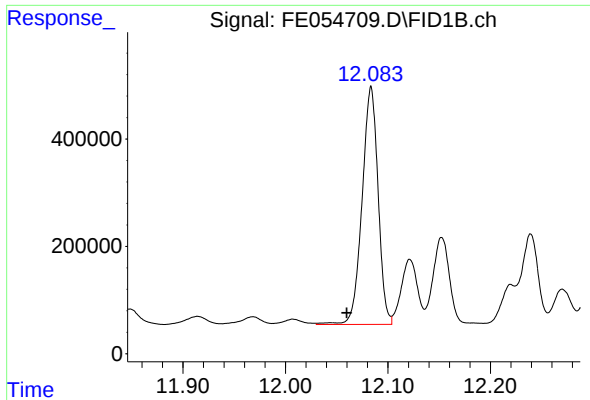
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054709.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 17:01
Operator : YP\AJ
Sample : Q2487-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
G2(0-6)

Integration File: sample.E
Quant Time: Jul 08 03:31:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

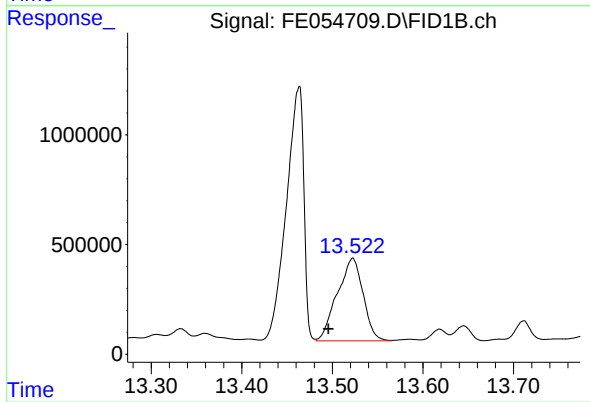




#9 ortho-Terphenyl (SURR)

R.T.: 12.083 min
Delta R.T.: 0.024 min
Response: 4801374
Conc: 29.57 ug/ml

Instrument :
FID_E
ClientSampleId :
G2(0-6)



#12 1-chlorooctadecane (SURR)

R.T.: 13.522 min
Delta R.T.: 0.027 min
Response: 7441396
Conc: 58.92 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054709.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jul 2025 17:01
 Sample : Q2487-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.834	2.805	2.886	BV	847	12673	0.06%	0.004%
2	2.904	2.886	3.013	VV	1512	31326	0.15%	0.010%
3	3.027	3.013	3.040	VV	295	3186	0.02%	0.001%
4	3.053	3.040	3.101	VV	519	5782	0.03%	0.002%
5	3.124	3.101	3.135	VV	659	4649	0.02%	0.002%
6	3.148	3.135	3.175	VV	189	2131	0.01%	0.001%
7	3.182	3.175	3.213	PV	90	2124	0.01%	0.001%
8	3.232	3.213	3.360	VV	1918	33287	0.16%	0.011%
9	3.394	3.360	3.406	VV	468	7565	0.04%	0.002%
10	3.418	3.406	3.476	VV	642	9230	0.04%	0.003%
11	3.488	3.476	3.508	VV	220	2059	0.01%	0.001%
12	3.526	3.508	3.548	PV	482	7401	0.04%	0.002%
13	3.556	3.548	3.577	VV	442	6473	0.03%	0.002%
14	3.600	3.577	3.681	VV	10490	104392	0.51%	0.034%
15	3.699	3.681	3.723	PV	408	5007	0.02%	0.002%
16	3.757	3.723	3.835	VV	12311	172306	0.84%	0.057%
17	3.888	3.835	3.945	VV	9962	106465	0.52%	0.035%
18	3.956	3.945	3.981	PV	116	1624	0.01%	0.001%
19	4.004	3.981	4.042	VV	6626	61914	0.30%	0.020%
20	4.059	4.042	4.067	VV	339	3703	0.02%	0.001%
21	4.094	4.067	4.178	VV	22750	218781	1.06%	0.072%
22	4.202	4.178	4.238	PV	717	14218	0.07%	0.005%
23	4.268	4.238	4.298	VV	754	14267	0.07%	0.005%
24	4.327	4.298	4.354	VV	301	6448	0.03%	0.002%
25	4.400	4.354	4.423	VV	2571	43032	0.21%	0.014%
26	4.437	4.423	4.487	VV	1517	22158	0.11%	0.007%
27	4.507	4.487	4.522	VV	467	5541	0.03%	0.002%
28	4.535	4.522	4.549	VV	512	4698	0.02%	0.002%
29	4.559	4.549	4.591	VV	279	4417	0.02%	0.001%
30	4.600	4.591	4.611	VV	233	2252	0.01%	0.001%
31	4.620	4.611	4.658	VV	250	4189	0.02%	0.001%
32	4.678	4.658	4.707	VV	1224	16751	0.08%	0.006%
33	4.720	4.707	4.744	VV	428	7844	0.04%	0.003%
34	4.767	4.744	4.818	VV	3430	37948	0.18%	0.012%
35	4.842	4.818	4.875	PV	785	10520	0.05%	0.003%
36	4.911	4.875	4.944	VV	1726	28223	0.14%	0.009%

					rteres			
37	4.963	4.944	4.981	VV	639	9340	0.05%	0.003%
38	4.989	4.981	5.023	VV	347	5698	0.03%	0.002%
39	5.046	5.023	5.078	VV	567	8982	0.04%	0.003%
40	5.097	5.078	5.121	VV	496	8424	0.04%	0.003%
41	5.139	5.121	5.168	VV	414	7142	0.03%	0.002%
42	5.185	5.168	5.228	VV	619	11901	0.06%	0.004%
43	5.240	5.228	5.251	VV	283	2754	0.01%	0.001%
44	5.260	5.251	5.272	VV	201	2132	0.01%	0.001%
45	5.291	5.272	5.318	VV	375	5830	0.03%	0.002%
46	5.338	5.318	5.372	VV	239	4419	0.02%	0.001%
47	5.390	5.372	5.415	VV	361	4462	0.02%	0.001%
48	5.439	5.415	5.456	VV	529	6396	0.03%	0.002%
49	5.468	5.456	5.485	VV	310	3443	0.02%	0.001%
50	5.496	5.485	5.534	VV	400	5041	0.02%	0.002%
51	5.554	5.534	5.608	VV	2778	33551	0.16%	0.011%
52	5.623	5.608	5.647	VV	813	9522	0.05%	0.003%
53	5.665	5.647	5.684	VV	210	3583	0.02%	0.001%
54	5.697	5.684	5.714	VV	390	3678	0.02%	0.001%
55	5.723	5.714	5.741	VV	99	1164	0.01%	0.000%
56	5.759	5.741	5.791	PV	207	2635	0.01%	0.001%
57	5.818	5.791	5.836	VV	1620	17241	0.08%	0.006%
58	5.853	5.836	5.870	VV	1200	13707	0.07%	0.005%
59	5.877	5.870	5.908	VV	398	5242	0.03%	0.002%
60	5.926	5.908	5.971	VV	366	5522	0.03%	0.002%
61	6.013	5.971	6.038	VV	606	9626	0.05%	0.003%
62	6.065	6.038	6.076	VV	277	4100	0.02%	0.001%
63	6.115	6.076	6.205	VV	782	31182	0.15%	0.010%
64	6.211	6.205	6.225	VV	278	2398	0.01%	0.001%
65	6.243	6.225	6.261	VV	284	3971	0.02%	0.001%
66	6.277	6.261	6.317	VV	375	7158	0.03%	0.002%
67	6.354	6.317	6.375	VV	452	9684	0.05%	0.003%
68	6.396	6.375	6.431	VV	31675	305698	1.48%	0.100%
69	6.445	6.431	6.468	VV	941	10993	0.05%	0.004%
70	6.504	6.468	6.524	VV	431	8934	0.04%	0.003%
71	6.545	6.524	6.558	VV	432	6143	0.03%	0.002%
72	6.562	6.558	6.611	VV	410	8234	0.04%	0.003%
73	6.640	6.611	6.678	VV	616	14372	0.07%	0.005%
74	6.697	6.678	6.720	VV	1105	13564	0.07%	0.004%
75	6.740	6.720	6.751	VV	265	3160	0.02%	0.001%
76	6.771	6.751	6.795	VV	353	6184	0.03%	0.002%
77	6.804	6.795	6.827	VV	349	4147	0.02%	0.001%
78	6.855	6.827	6.908	VV	1933	25913	0.13%	0.009%
79	6.929	6.908	6.943	VV	912	10398	0.05%	0.003%
80	6.950	6.943	6.995	VV	598	12676	0.06%	0.004%
81	7.008	6.995	7.035	VV	619	6584	0.03%	0.002%
82	7.062	7.035	7.122	VV	280	5995	0.03%	0.002%
83	7.142	7.122	7.157	PV	377	4253	0.02%	0.001%
84	7.184	7.157	7.214	VV	674	9240	0.04%	0.003%
85	7.266	7.214	7.321	VV	477	12278	0.06%	0.004%
86	7.365	7.321	7.380	VV	512	10086	0.05%	0.003%
87	7.398	7.380	7.416	VV	698	11090	0.05%	0.004%
88	7.432	7.416	7.461	VV	604	10938	0.05%	0.004%
89	7.496	7.461	7.522	VV	20259	200839	0.97%	0.066%

					rteres			
90	7.539	7.522	7.562	VV	682	12199	0.06%	0.004%
91	7.581	7.562	7.615	VV	863	15540	0.08%	0.005%
92	7.636	7.615	7.662	VV	18491	178454	0.87%	0.059%
93	7.675	7.662	7.687	VV	320	3679	0.02%	0.001%
94	7.701	7.687	7.738	VV	374	6600	0.03%	0.002%
95	7.750	7.738	7.765	VV	231	3277	0.02%	0.001%
96	7.769	7.765	7.781	VV	261	1987	0.01%	0.001%
97	7.804	7.781	7.848	VV	1456	18883	0.09%	0.006%
98	7.870	7.848	7.889	VV	367	6564	0.03%	0.002%
99	7.897	7.889	7.914	VV	235	2450	0.01%	0.001%
100	7.946	7.914	7.965	VV	331	6185	0.03%	0.002%
101	7.988	7.965	8.010	VV	403	7313	0.04%	0.002%
102	8.026	8.010	8.074	VV	375	6644	0.03%	0.002%
103	8.238	8.197	8.282	VV	9513	112288	0.54%	0.037%
104	8.295	8.282	8.319	VV	422	6140	0.03%	0.002%
105	8.341	8.319	8.360	VV	623	7155	0.03%	0.002%
106	8.399	8.360	8.431	VV	7364	94085	0.46%	0.031%
107	8.445	8.431	8.461	VV	682	11374	0.06%	0.004%
108	8.511	8.461	8.556	VV	9159	183271	0.89%	0.060%
109	8.578	8.556	8.588	VV	883	10663	0.05%	0.004%
110	8.618	8.588	8.634	VV	20306	219317	1.06%	0.072%
111	8.647	8.634	8.665	VV	12217	125814	0.61%	0.041%
112	8.684	8.665	8.719	VV	3691	71889	0.35%	0.024%
113	8.740	8.719	8.754	VV	800	10692	0.05%	0.004%
114	8.807	8.754	8.877	VV	25393	465734	2.26%	0.153%
115	8.898	8.877	8.928	VV	4883	52954	0.26%	0.017%
116	8.946	8.928	8.965	VV	1085	11234	0.05%	0.004%
117	9.055	9.037	9.076	VV	5280	56900	0.28%	0.019%
118	9.107	9.076	9.132	VV	170502	1652549	8.02%	0.543%
119	9.150	9.132	9.201	VV	8732	131020	0.64%	0.043%
120	9.221	9.201	9.262	VV	3944	75223	0.36%	0.025%
121	9.270	9.262	9.284	VV	956	9380	0.05%	0.003%
122	9.298	9.284	9.307	VV	750	8693	0.04%	0.003%
123	9.350	9.307	9.363	VV	14783	179241	0.87%	0.059%
124	9.382	9.363	9.406	VV	71405	700981	3.40%	0.230%
125	9.422	9.406	9.455	VV	3846	60249	0.29%	0.020%
126	9.474	9.455	9.493	VV	3418	39538	0.19%	0.013%
127	9.520	9.493	9.540	VV	9568	107490	0.52%	0.035%
128	9.560	9.540	9.604	VV	10158	123020	0.60%	0.040%
129	9.619	9.604	9.639	VV	524	5648	0.03%	0.002%
130	9.678	9.639	9.694	VV	9090	104507	0.51%	0.034%
131	9.709	9.694	9.736	VV	8887	90162	0.44%	0.030%
132	9.762	9.736	9.778	VV	2249	26466	0.13%	0.009%
133	9.815	9.778	9.837	VV	9209	126582	0.61%	0.042%
134	9.856	9.837	9.870	VV	3081	38196	0.19%	0.013%
135	9.899	9.870	9.950	VV	135424	1387539	6.73%	0.456%
136	9.980	9.950	10.005	VV	12825	205089	0.99%	0.067%
137	10.021	10.005	10.033	VV	15284	160270	0.78%	0.053%
138	10.052	10.033	10.091	VV	29734	416744	2.02%	0.137%
139	10.113	10.091	10.144	VV	19673	242725	1.18%	0.080%
140	10.177	10.144	10.199	VV	40471	459301	2.23%	0.151%
141	10.222	10.199	10.251	VV	34328	390307	1.89%	0.128%

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142	10.270	10.251	10.288	VV	3455	58547	0.28%	0.019%
143	10.324	10.288	10.365	VV	45521	639370	3.10%	0.210%
144	10.387	10.365	10.410	VV	8621	117932	0.57%	0.039%
145	10.420	10.410	10.443	VV	3178	38700	0.19%	0.013%
146	10.492	10.443	10.565	VV	3293	87696	0.43%	0.029%
147	10.590	10.565	10.604	PV	976	12678	0.06%	0.004%
148	10.616	10.604	10.627	VV	686	8338	0.04%	0.003%
149	10.670	10.627	10.688	VV	13175	214474	1.04%	0.070%
150	10.702	10.688	10.718	VV	5537	65196	0.32%	0.021%
151	10.788	10.718	10.810	VV	29896	522496	2.53%	0.172%
152	10.828	10.810	10.859	VV	15011	185904	0.90%	0.061%
153	10.906	10.859	10.937	VV	18624	338098	1.64%	0.111%
154	10.958	10.937	11.019	VV	51124	663951	3.22%	0.218%
155	11.045	11.019	11.057	VV	7113	96511	0.47%	0.032%
156	11.078	11.057	11.089	VV	21549	259646	1.26%	0.085%
157	11.113	11.089	11.159	VV	64474	1049918	5.09%	0.345%
158	11.183	11.159	11.194	VV	5104	86984	0.42%	0.029%
159	11.214	11.194	11.233	VV	16326	216288	1.05%	0.071%
160	11.244	11.233	11.264	VV	6025	93196	0.45%	0.031%
161	11.325	11.264	11.364	VV	1170747	14201212	68.88%	4.665%
162	11.393	11.364	11.453	VV	370338	4073281	19.76%	1.338%
163	11.467	11.453	11.479	VV	5818	68609	0.33%	0.023%
164	11.487	11.479	11.511	VV	4304	64038	0.31%	0.021%
165	11.523	11.511	11.537	VV	3225	39397	0.19%	0.013%
166	11.558	11.537	11.576	VV	17167	191450	0.93%	0.063%
167	11.598	11.576	11.643	VV	79325	901701	4.37%	0.296%
168	11.675	11.643	11.690	PV	4670	81254	0.39%	0.027%
169	11.715	11.690	11.733	VV	9013	162204	0.79%	0.053%
170	11.751	11.733	11.772	VV	9192	143329	0.70%	0.047%
171	11.848	11.772	11.882	VV	29753	727242	3.53%	0.239%
172	11.914	11.882	11.938	VV	15870	242604	1.18%	0.080%
173	11.968	11.938	11.988	VV	14798	212375	1.03%	0.070%
174	12.008	11.988	12.030	VV	10127	135730	0.66%	0.045%
175	12.083	12.030	12.104	VV	441861	4808273	23.32%	1.580%
176	12.121	12.104	12.136	VV	121427	1331191	6.46%	0.437%
177	12.152	12.136	12.195	VV	162673	1814487	8.80%	0.596%
178	12.239	12.195	12.257	VV	167837	2556703	12.40%	0.840%
179	12.271	12.257	12.284	VV	64375	750573	3.64%	0.247%
180	12.302	12.284	12.326	VV	104248	1222567	5.93%	0.402%
181	12.339	12.326	12.354	VV	6052	57545	0.28%	0.019%
182	12.376	12.354	12.402	VV	12362	182572	0.89%	0.060%
183	12.433	12.402	12.454	VV	8255	155028	0.75%	0.051%
184	12.480	12.454	12.501	VV	79076	878887	4.26%	0.289%
185	12.511	12.501	12.564	VV	7208	193995	0.94%	0.064%
186	12.591	12.564	12.639	VV	98465	1184506	5.75%	0.389%
187	12.676	12.639	12.716	VV	46138	661456	3.21%	0.217%
188	12.740	12.716	12.757	VV	13898	185952	0.90%	0.061%
189	12.769	12.757	12.788	VV	5535	82748	0.40%	0.027%
190	12.798	12.788	12.810	VV	3545	41766	0.20%	0.014%
191	12.843	12.810	12.855	VV	17492	250816	1.22%	0.082%
192	12.866	12.855	12.891	VV	15104	193609	0.94%	0.064%
193	12.914	12.891	12.954	VV	29402	524437	2.54%	0.172%
194	12.981	12.954	13.007	VV	58536	802349	3.89%	0.264%

					rteres			
195	13.028	13.007	13.049	VV	55415	767082	3.72%	0.252%
196	13.069	13.049	13.117	VV	28767	866126	4.20%	0.285%
197	13.164	13.117	13.190	VV	1483920	20616728	100.00%	6.773%
198	13.208	13.190	13.226	VV	18774	184707	0.90%	0.061%
199	13.242	13.226	13.252	VV	4911	49853	0.24%	0.016%
200	13.332	13.252	13.348	VV	56300	1362286	6.61%	0.448%
201	13.359	13.348	13.397	VV	35022	584199	2.83%	0.192%
202	13.408	13.397	13.421	VV	8761	101963	0.49%	0.033%
203	13.462	13.421	13.483	VV	1150778	15568813	75.52%	5.115%
204	13.522	13.483	13.566	VV	375143	7458329	36.18%	2.450%
205	13.585	13.566	13.596	VV	6887	89519	0.43%	0.029%
206	13.618	13.596	13.630	VV	53091	588714	2.86%	0.193%
207	13.645	13.630	13.668	VV	68028	807693	3.92%	0.265%
208	13.711	13.668	13.736	PV	90806	1110712	5.39%	0.365%
209	13.783	13.736	13.806	VV	30648	534044	2.59%	0.175%
210	13.841	13.806	13.877	VV	46248	706532	3.43%	0.232%
211	13.906	13.877	13.933	VV	96846	1395991	6.77%	0.459%
212	13.941	13.933	13.978	VV	6837	116712	0.57%	0.038%
213	14.038	13.978	14.075	VV	227667	3578441	17.36%	1.176%
214	14.101	14.075	14.117	VV	19888	291074	1.41%	0.096%
215	14.145	14.117	14.166	VV	162517	2053846	9.96%	0.675%
216	14.185	14.166	14.206	VV	96722	1150000	5.58%	0.378%
217	14.225	14.206	14.246	VV	52893	679698	3.30%	0.223%
218	14.275	14.246	14.285	VV	40230	630153	3.06%	0.207%
219	14.315	14.285	14.335	VV	77159	1356248	6.58%	0.446%
220	14.355	14.335	14.391	VV	75597	1009112	4.89%	0.332%
221	14.426	14.391	14.445	VV	31997	543306	2.64%	0.178%
222	14.462	14.445	14.497	VV	14649	342076	1.66%	0.112%
223	14.514	14.497	14.524	VV	11732	164567	0.80%	0.054%
224	14.537	14.524	14.553	VV	12744	183847	0.89%	0.060%
225	14.565	14.553	14.604	VV	10064	211568	1.03%	0.070%
226	14.620	14.604	14.649	VV	7291	115338	0.56%	0.038%
227	14.674	14.649	14.687	PV	4622	52346	0.25%	0.017%
228	14.737	14.687	14.752	VV	34395	839520	4.07%	0.276%
229	14.773	14.752	14.804	VV	92414	1223911	5.94%	0.402%
230	14.840	14.804	14.859	VV	24153	476661	2.31%	0.157%
231	14.873	14.859	14.911	VV	22268	424187	2.06%	0.139%
232	14.953	14.911	14.991	VV	106346	1925868	9.34%	0.633%
233	15.017	14.991	15.040	VV	186899	2526126	12.25%	0.830%
234	15.079	15.040	15.116	VV	116571	2258745	10.96%	0.742%
235	15.139	15.116	15.155	VV	15467	229594	1.11%	0.075%
236	15.200	15.155	15.251	VV	44741	1013908	4.92%	0.333%
237	15.286	15.251	15.303	VV	44832	594336	2.88%	0.195%
238	15.340	15.303	15.361	VV	657826	10017651	48.59%	3.291%
239	15.386	15.361	15.408	VV	730481	8796123	42.66%	2.890%
240	15.419	15.408	15.445	VV	18597	215130	1.04%	0.071%
241	15.498	15.445	15.540	VV	150476	2510859	12.18%	0.825%
242	15.566	15.540	15.603	VV	54896	835627	4.05%	0.275%
243	15.629	15.603	15.653	PV	49091	764404	3.71%	0.251%
244	15.674	15.653	15.728	VV	52247	1189659	5.77%	0.391%
245	15.770	15.728	15.795	VV	34952	715549	3.47%	0.235%
246	15.814	15.795	15.836	VV	18495	294366	1.43%	0.097%

rteres								
247	15.902	15.836	15.933	VV	16669	470806	2.28%	0.155%
248	15.961	15.933	15.980	VV	34238	575207	2.79%	0.189%
249	16.005	15.980	16.025	VV	124912	1657406	8.04%	0.545%
250	16.043	16.025	16.071	VV	61317	873300	4.24%	0.287%
251	16.090	16.071	16.110	VV	42369	590465	2.86%	0.194%
252	16.163	16.110	16.199	VV	91911	2340172	11.35%	0.769%
253	16.241	16.199	16.268	VV	44941	741515	3.60%	0.244%
254	16.284	16.268	16.301	VV	6450	98156	0.48%	0.032%
255	16.325	16.301	16.343	VV	30494	376562	1.83%	0.124%
256	16.363	16.343	16.382	VV	32127	406087	1.97%	0.133%
257	16.408	16.382	16.419	VV	21504	334870	1.62%	0.110%
258	16.432	16.419	16.458	VV	23863	321673	1.56%	0.106%
259	16.504	16.458	16.519	PV	4821	84702	0.41%	0.028%
260	16.534	16.519	16.548	VV	4114	42530	0.21%	0.014%
261	16.562	16.548	16.577	VV	3314	35998	0.17%	0.012%
262	16.624	16.577	16.656	VV	20600	558944	2.71%	0.184%
263	16.679	16.656	16.727	VV	33519	633674	3.07%	0.208%
264	16.747	16.727	16.765	VV	12003	233424	1.13%	0.077%
265	16.805	16.765	16.822	VV	33192	710558	3.45%	0.233%
266	16.834	16.822	16.857	VV	27872	374628	1.82%	0.123%
267	16.912	16.857	16.961	VV	606169	14153183	68.65%	4.650%
268	16.978	16.961	16.996	VV	12519	198675	0.96%	0.065%
269	17.030	16.996	17.050	VV	159386	2095079	10.16%	0.688%
270	17.062	17.050	17.104	VV	29950	543496	2.64%	0.179%
271	17.120	17.104	17.130	VV	12237	151075	0.73%	0.050%
272	17.149	17.130	17.164	VV	28290	403878	1.96%	0.133%
273	17.230	17.164	17.255	VV	367496	6940551	33.66%	2.280%
274	17.293	17.255	17.323	VV	527233	7733841	37.51%	2.541%
275	17.350	17.323	17.360	VV	25795	375650	1.82%	0.123%
276	17.384	17.360	17.408	VV	182424	2291582	11.12%	0.753%
277	17.426	17.408	17.458	VV	31958	616547	2.99%	0.203%
278	17.520	17.458	17.562	VV	43510	1612059	7.82%	0.530%
279	17.580	17.562	17.600	VV	23412	388046	1.88%	0.127%
280	17.640	17.600	17.715	VV	80609	2693543	13.06%	0.885%
281	17.741	17.715	17.752	VV	23311	351909	1.71%	0.116%
282	17.803	17.752	17.837	VV	57405	1637192	7.94%	0.538%
283	17.865	17.837	17.881	VV	36404	631351	3.06%	0.207%
284	17.893	17.881	17.912	VV	26911	373412	1.81%	0.123%
285	17.939	17.912	17.961	VV	58674	975061	4.73%	0.320%
286	17.973	17.961	18.014	VV	20889	458141	2.22%	0.151%
287	18.055	18.014	18.100	VV	23098	761024	3.69%	0.250%
288	18.118	18.100	18.133	VV	11281	173270	0.84%	0.057%
289	18.159	18.133	18.168	VV	9975	182656	0.89%	0.060%
290	18.242	18.168	18.294	VV	36437	1612162	7.82%	0.530%
291	18.372	18.294	18.394	VV	41828	1420799	6.89%	0.467%
292	18.420	18.394	18.481	VV	48882	1760867	8.54%	0.578%
293	18.506	18.481	18.528	VV	23046	529084	2.57%	0.174%
294	18.562	18.528	18.622	VV	114669	2536300	12.30%	0.833%
295	18.663	18.622	18.721	VV	353749	6905428	33.49%	2.269%
296	18.735	18.721	18.760	VV	48463	768207	3.73%	0.252%
297	18.787	18.760	18.803	VV	113636	1658824	8.05%	0.545%
298	18.819	18.803	18.880	VV	94377	2008649	9.74%	0.660%
299	18.919	18.880	18.945	VV	295960	4458000	21.62%	1.465%

rteres								
300	18.993	18.945	19.013	VV	46362	1165838	5.65%	0.383%
301	19.042	19.013	19.068	VV	119452	1945532	9.44%	0.639%
302	19.077	19.068	19.112	VV	16285	387583	1.88%	0.127%
303	19.135	19.112	19.181	VV	25228	653536	3.17%	0.215%
304	19.212	19.181	19.235	VV	26867	577124	2.80%	0.190%
305	19.253	19.235	19.274	VV	16160	350490	1.70%	0.115%
306	19.308	19.274	19.317	VV	20280	448921	2.18%	0.147%
307	19.338	19.317	19.359	VV	38490	688025	3.34%	0.226%
308	19.383	19.359	19.399	VV	25850	529863	2.57%	0.174%
309	19.421	19.399	19.455	VV	42083	910001	4.41%	0.299%
310	19.476	19.455	19.497	VV	35759	679412	3.30%	0.223%
311	19.511	19.497	19.530	VV	28449	477001	2.31%	0.157%
312	19.541	19.530	19.558	VV	19496	298231	1.45%	0.098%
313	19.583	19.558	19.639	VV	36042	1230834	5.97%	0.404%
314	19.655	19.639	19.671	VV	17888	317614	1.54%	0.104%
315	19.710	19.671	19.734	VV	25173	785002	3.81%	0.258%
316	19.759	19.734	19.785	VV	25014	633803	3.07%	0.208%
317	19.792	19.785	19.805	VV	18132	213404	1.04%	0.070%
318	19.862	19.805	19.898	VV	25690	1121825	5.44%	0.369%
319	19.922	19.898	19.965	VV	32410	1013688	4.92%	0.333%
320	19.999	19.965	20.029	VV	47256	1311469	6.36%	0.431%
321	20.068	20.029	20.096	VV	155862	3424849	16.61%	1.125%
322	20.139	20.096	20.168	VV	167961	3975836	19.28%	1.306%
323	20.190	20.168	20.211	VV	68649	1528023	7.41%	0.502%
324	20.227	20.211	20.249	VV	71626	1296570	6.29%	0.426%
325	20.262	20.249	20.295	VV	44141	990165	4.80%	0.325%
326	20.349	20.295	20.386	VV	59472	2111704	10.24%	0.694%
327	20.450	20.386	20.480	VV	185489	4901853	23.78%	1.610%
328	20.516	20.480	20.568	VV	94751	3257034	15.80%	1.070%
329	20.591	20.568	20.615	VV	75519	1612049	7.82%	0.530%
330	20.635	20.615	20.648	VV	45401	860549	4.17%	0.283%
331	20.659	20.648	20.672	VV	45407	641353	3.11%	0.211%
332	20.715	20.672	20.749	VV	57068	2237417	10.85%	0.735%
333	20.765	20.749	20.778	VV	47591	812101	3.94%	0.267%
334	20.793	20.778	20.828	VV	47950	1345042	6.52%	0.442%
335	20.872	20.828	20.898	VV	48754	1826954	8.86%	0.600%
336	20.937	20.898	20.952	VV	46888	1387995	6.73%	0.456%
337	20.972	20.952	20.985	VV	47783	906666	4.40%	0.298%
338	20.996	20.985	21.084	VV	47375	2320756	11.26%	0.762%
339	21.107	21.084	21.132	VV	34729	906660	4.40%	0.298%
340	21.166	21.132	21.187	VV	32747	1034076	5.02%	0.340%
341	21.201	21.187	21.238	VV	29747	845779	4.10%	0.278%
342	21.302	21.238	21.315	VV	30096	1281143	6.21%	0.421%
343	21.328	21.315	21.439	VV	30275	1856535	9.00%	0.610%
344	21.505	21.439	21.567	VV	29323	1555564	7.55%	0.511%
345	21.604	21.567	21.635	VV	29370	891090	4.32%	0.293%
346	21.678	21.635	21.687	VV	25990	743281	3.61%	0.244%
347	21.723	21.687	21.761	VV	36506	1244015	6.03%	0.409%
348	21.809	21.761	21.847	VV	26132	1041153	5.05%	0.342%
349	21.914	21.847	21.939	VV	47678	1773952	8.60%	0.583%
350	21.947	21.939	22.031	VV	30214	1103905	5.35%	0.363%
351	22.088	22.031	22.112	VV	20832	738979	3.58%	0.243%

						rteres		
352	22.131	22.112	22.188	VV	19142	428906	2.08%	0.141%
353	22.235	22.188	22.288	PV	22800	477885	2.32%	0.157%
					Sum of corrected areas:			304389334

Aliphatic EPH 062725.M Tue Jul 08 05:05:01 2025

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G2(0-6)DL	SDG No.:	Q2487
Lab Sample ID:	Q2487-13DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054731.D	2	07/03/25	07/08/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	97.8		2.02	8.88	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	65.9		2.62	4.44	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.4		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	14.7		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2487-13DL	Acq On:	08 Jul 2025 09:24
Client Sample ID:	G2(0-6)DL	Operator:	YP\AJ
Data file:	FE054731.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	2	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.956	923389	6.787	300	ug/ml
Aliphatic C12-C16	6.957	10.409	4879434	34.712	200	ug/ml
Aliphatic C16-C21	10.410	13.786	40448127	280.124	300	ug/ml
Aliphatic C21-C28	13.787	17.458	49001939	338.758	400	ug/ml
Aliphatic C28-C40	17.459	22.482	61664231	444.755	600	ug/ml
Aliphatic EPH	3.323	22.482	156917120	1110		ug/ml
ortho-Terphenyl (SURR)	12.083	12.083	2391067	14.72		ug/ml
1-chlorooctadecane (SURR)	13.522	13.522	3718213	29.44		ug/ml
Aliphatic C9-C28	3.323	17.458	95252889	660.381	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
 Data File : FE054731.D
 Signal(s) : FID1B.ch
 Acq On : 08 Jul 2025 09:24
 Operator : YP\AJ
 Sample : Q2487-13DL 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 G2(0-6)DL

Integration File: autoint1.e
 Quant Time: Jul 09 06:36:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 08 07:45:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.083	2391067	14.724 ug/ml
Spiked Amount 50.000		Recovery =	29.45%
12) S 1-chlorooctadecane (S...	13.522	3718213	29.441 ug/ml
Spiked Amount 50.000		Recovery =	58.88%

Target Compounds

(f)=RT Delta > 1/2 Window

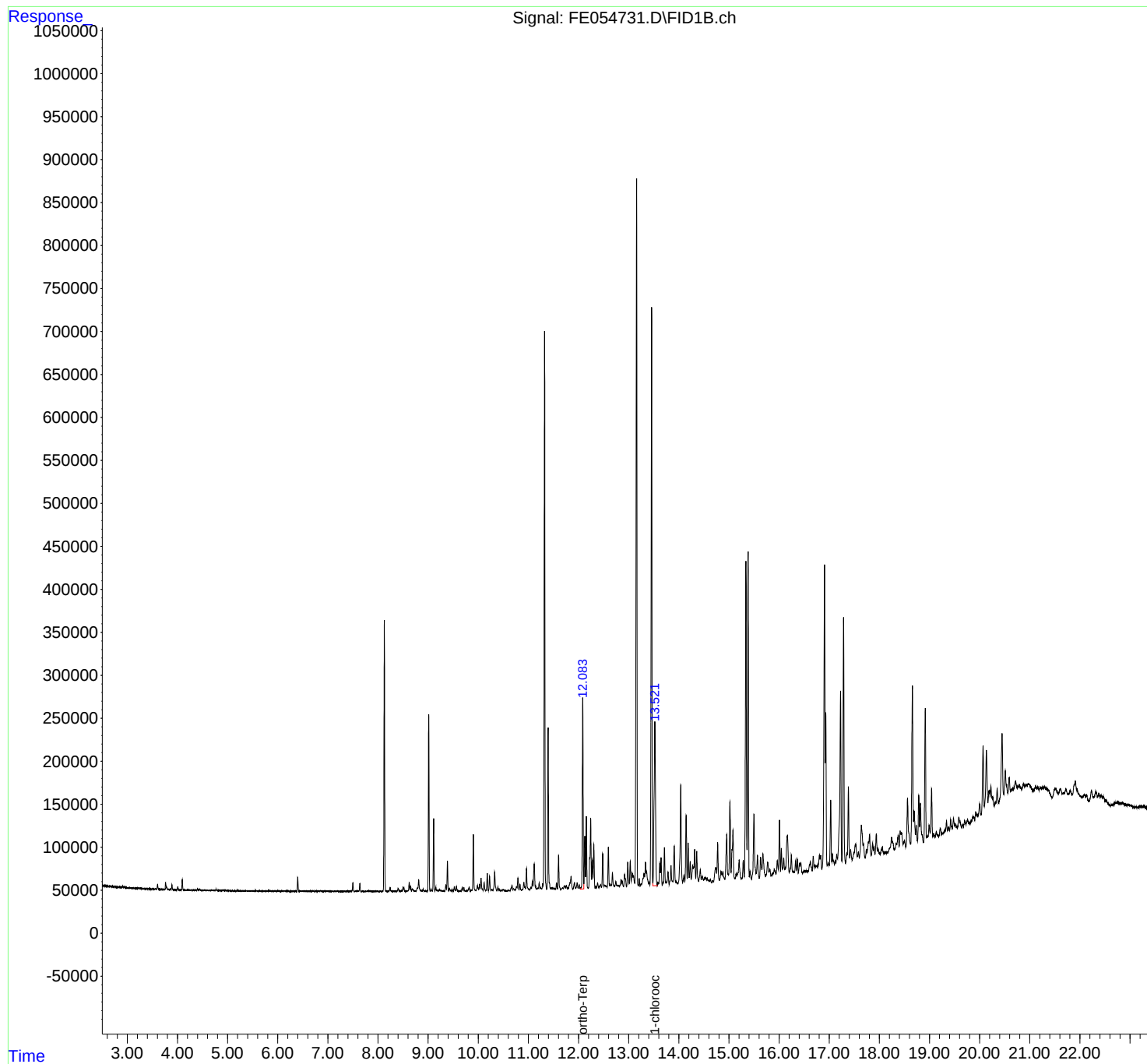
(m)=manual int.

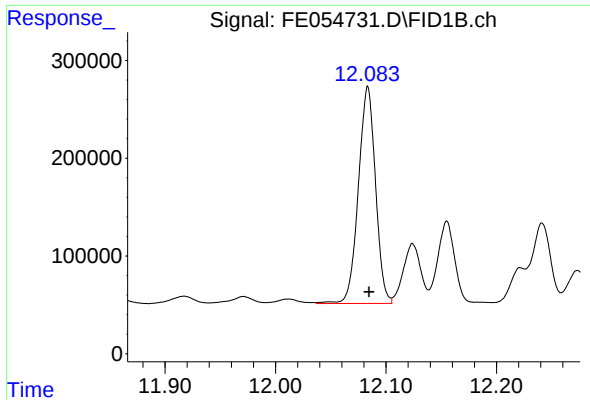
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
Data File : FE054731.D
Signal(s) : FID1B.ch
Acq On : 08 Jul 2025 09:24
Operator : YP\AJ
Sample : Q2487-13DL 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
G2(0-6)DL

Integration File: autoint1.e
Quant Time: Jul 09 06:36:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Tue Jul 08 07:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

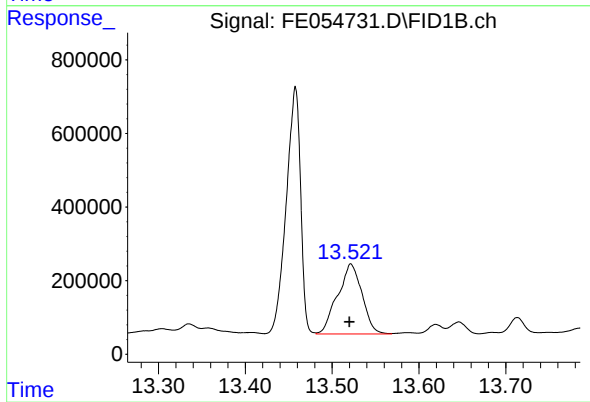




#9 ortho-Terphenyl (SURR)

R.T.: 12.083 min
Delta R.T.: -0.001 min
Response: 2391067
Conc: 14.72 ug/ml

Instrument :
FID_E
ClientSampleId :
G2(0-6)DL



#12 1-chlorooctadecane (SURR)

R.T.: 13.522 min
Delta R.T.: 0.002 min
Response: 3718213
Conc: 29.44 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
Data File : FE054731.D
Signal(s) : FID1B.ch
Acq On : 08 Jul 2025 09:24
Sample : Q2487-13DL 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.838	2.804	2.887	BV	452	5779	0.06%	0.004%
2	2.908	2.887	3.021	PV	1377	25703	0.25%	0.016%
3	3.028	3.021	3.102	VV	175	5748	0.06%	0.004%
4	3.114	3.102	3.136	VV	215	1961	0.02%	0.001%
5	3.149	3.136	3.214	PV	95	2127	0.02%	0.001%
6	3.237	3.214	3.272	VV	1081	13281	0.13%	0.008%
7	3.281	3.272	3.298	VV	317	3306	0.03%	0.002%
8	3.303	3.298	3.368	VV	215	3447	0.03%	0.002%
9	3.392	3.368	3.408	VV	285	4985	0.05%	0.003%
10	3.420	3.408	3.484	VV	344	6853	0.07%	0.004%
11	3.494	3.484	3.513	VV	232	2034	0.02%	0.001%
12	3.530	3.513	3.584	PV	389	9974	0.10%	0.006%
13	3.603	3.584	3.635	VV	5815	55337	0.54%	0.034%
14	3.645	3.635	3.691	VV	181	3299	0.03%	0.002%
15	3.702	3.691	3.729	VV	280	3445	0.03%	0.002%
16	3.764	3.729	3.837	VV	7964	110169	1.08%	0.068%
17	3.862	3.837	3.870	VV	558	7402	0.07%	0.005%
18	3.891	3.870	3.931	VV	5978	56741	0.55%	0.035%
19	3.939	3.931	3.984	PV	77	1570	0.02%	0.001%
20	4.007	3.984	4.051	VV	3722	35889	0.35%	0.022%
21	4.062	4.051	4.071	VV	224	1675	0.02%	0.001%
22	4.096	4.071	4.179	VV	12074	116546	1.14%	0.071%
23	4.205	4.179	4.240	PV	330	7412	0.07%	0.005%
24	4.253	4.240	4.258	VV	211	1747	0.02%	0.001%
25	4.272	4.258	4.300	VV	379	5374	0.05%	0.003%
26	4.312	4.300	4.365	VV	170	4121	0.04%	0.003%
27	4.402	4.365	4.422	VV	1758	24450	0.24%	0.015%
28	4.439	4.422	4.494	VV	1071	17503	0.17%	0.011%
29	4.510	4.494	4.523	VV	236	3739	0.04%	0.002%
30	4.537	4.523	4.551	VV	411	4049	0.04%	0.002%
31	4.564	4.551	4.585	VV	187	2532	0.02%	0.002%
32	4.601	4.585	4.616	VV	171	2316	0.02%	0.001%
33	4.624	4.616	4.651	VV	143	1999	0.02%	0.001%
34	4.680	4.651	4.750	VV	684	16462	0.16%	0.010%
35	4.770	4.750	4.825	VV	1755	19544	0.19%	0.012%
36	4.844	4.825	4.877	PV	408	6145	0.06%	0.004%

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37	4.915	4.877	4.948	VV	890	17016	0.17%	0.010%
38	4.963	4.948	5.029	VV	469	11589	0.11%	0.007%
39	5.050	5.029	5.083	VV	398	5854	0.06%	0.004%
40	5.098	5.083	5.114	VV	312	3407	0.03%	0.002%
41	5.141	5.114	5.164	VV	281	4398	0.04%	0.003%
42	5.196	5.164	5.238	VV	370	8665	0.08%	0.005%
43	5.267	5.238	5.278	VV	179	2750	0.03%	0.002%
44	5.296	5.278	5.321	VV	211	3447	0.03%	0.002%
45	5.357	5.321	5.375	VV	186	3437	0.03%	0.002%
46	5.391	5.375	5.418	VV	223	2787	0.03%	0.002%
47	5.440	5.418	5.462	VV	296	4260	0.04%	0.003%
48	5.472	5.462	5.488	VV	257	2248	0.02%	0.001%
49	5.500	5.488	5.535	VV	244	2862	0.03%	0.002%
50	5.559	5.535	5.604	PV	545	8095	0.08%	0.005%
51	5.626	5.604	5.649	VV	377	5149	0.05%	0.003%
52	5.669	5.649	5.681	PV	123	1514	0.01%	0.001%
53	5.698	5.681	5.721	VV	196	2172	0.02%	0.001%
54	5.733	5.721	5.793	VV	141	2054	0.02%	0.001%
55	5.821	5.793	5.838	PV	795	9057	0.09%	0.006%
56	5.855	5.838	5.899	VV	565	9194	0.09%	0.006%
57	5.928	5.899	5.968	VV	258	4780	0.05%	0.003%
58	6.014	5.968	6.048	PV	293	6022	0.06%	0.004%
59	6.066	6.048	6.077	VV	227	2208	0.02%	0.001%
60	6.118	6.077	6.128	VV	503	9367	0.09%	0.006%
61	6.137	6.128	6.156	VV	391	5351	0.05%	0.003%
62	6.172	6.156	6.204	VV	219	4978	0.05%	0.003%
63	6.213	6.204	6.224	VV	195	1677	0.02%	0.001%
64	6.241	6.224	6.262	VV	184	3142	0.03%	0.002%
65	6.278	6.262	6.296	VV	237	3048	0.03%	0.002%
66	6.304	6.296	6.318	VV	157	1484	0.01%	0.001%
67	6.359	6.318	6.378	PV	293	5876	0.06%	0.004%
68	6.399	6.378	6.428	VV	16207	153266	1.50%	0.094%
69	6.449	6.428	6.478	VV	571	8028	0.08%	0.005%
70	6.502	6.478	6.527	VV	343	5652	0.06%	0.003%
71	6.554	6.527	6.612	VV	255	9408	0.09%	0.006%
72	6.643	6.612	6.673	VV	410	8437	0.08%	0.005%
73	6.700	6.673	6.726	VV	766	10515	0.10%	0.006%
74	6.738	6.726	6.752	VV	186	2283	0.02%	0.001%
75	6.771	6.752	6.828	VV	291	6406	0.06%	0.004%
76	6.857	6.828	6.909	VV	938	14817	0.14%	0.009%
77	6.932	6.909	6.992	VV	482	13377	0.13%	0.008%
78	7.011	6.992	7.044	VV	388	5447	0.05%	0.003%
79	7.061	7.044	7.111	VV	204	3415	0.03%	0.002%
80	7.146	7.111	7.160	VV	273	2910	0.03%	0.002%
81	7.186	7.160	7.244	PV	372	7477	0.07%	0.005%
82	7.271	7.244	7.328	VV	328	5859	0.06%	0.004%
83	7.370	7.328	7.383	VV	321	5968	0.06%	0.004%
84	7.402	7.383	7.418	VV	445	7014	0.07%	0.004%
85	7.435	7.418	7.457	VV	403	6927	0.07%	0.004%
86	7.499	7.457	7.525	VV	10184	104886	1.03%	0.064%
87	7.539	7.525	7.563	VV	390	6633	0.06%	0.004%
88	7.582	7.563	7.614	VV	439	8258	0.08%	0.005%
89	7.638	7.614	7.687	VV	9285	93157	0.91%	0.057%

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90	7.701	7.687	7.744	VV	276	4858	0.05%	0.003%
91	7.761	7.744	7.773	VV	220	2524	0.02%	0.002%
92	7.805	7.773	7.844	VV	763	12612	0.12%	0.008%
93	7.874	7.844	7.928	VV	278	7301	0.07%	0.004%
94	7.932	7.928	7.938	VV	177	723	0.01%	0.000%
95	7.948	7.938	7.963	VV	193	1888	0.02%	0.001%
96	7.985	7.963	8.014	VV	234	4250	0.04%	0.003%
97	8.032	8.014	8.048	PV	143	1936	0.02%	0.001%
98	8.056	8.048	8.070	VV	71	648	0.01%	0.000%
99	8.241	8.194	8.285	VV	4913	58769	0.57%	0.036%
100	8.295	8.285	8.327	VV	257	4002	0.04%	0.002%
101	8.343	8.327	8.363	VV	258	3217	0.03%	0.002%
102	8.402	8.363	8.464	VV	3763	55171	0.54%	0.034%
103	8.514	8.464	8.560	VV	4618	93256	0.91%	0.057%
104	8.580	8.560	8.592	VV	462	6545	0.06%	0.004%
105	8.622	8.592	8.637	VV	10331	111374	1.09%	0.068%
106	8.650	8.637	8.668	VV	6279	63894	0.62%	0.039%
107	8.689	8.668	8.727	VV	2562	49668	0.49%	0.030%
108	8.743	8.727	8.757	VV	479	6181	0.06%	0.004%
109	8.811	8.757	8.879	VV	13416	246085	2.41%	0.151%
110	8.901	8.879	8.928	VV	2498	27423	0.27%	0.017%
111	8.948	8.928	8.964	VV	517	5760	0.06%	0.004%
112	9.058	9.039	9.080	VV	2618	28634	0.28%	0.018%
113	9.110	9.080	9.135	VV	84859	830991	8.13%	0.510%
114	9.153	9.135	9.192	VV	4630	63887	0.62%	0.039%
115	9.224	9.192	9.242	VV	2154	34582	0.34%	0.021%
116	9.250	9.242	9.288	VV	1047	16522	0.16%	0.010%
117	9.302	9.288	9.311	VV	417	4414	0.04%	0.003%
118	9.353	9.311	9.368	VV	7447	93003	0.91%	0.057%
119	9.384	9.368	9.408	VV	35141	349213	3.42%	0.214%
120	9.424	9.408	9.461	VV	2897	43529	0.43%	0.027%
121	9.476	9.461	9.495	VV	1708	19883	0.19%	0.012%
122	9.522	9.495	9.542	VV	5042	57478	0.56%	0.035%
123	9.563	9.542	9.611	VV	5100	63457	0.62%	0.039%
124	9.621	9.611	9.650	VV	227	2939	0.03%	0.002%
125	9.681	9.650	9.697	VV	4550	51987	0.51%	0.032%
126	9.712	9.697	9.738	VV	4554	46005	0.45%	0.028%
127	9.766	9.738	9.782	VV	1179	14099	0.14%	0.009%
128	9.818	9.782	9.840	VV	4661	62979	0.62%	0.039%
129	9.860	9.840	9.874	VV	1386	18123	0.18%	0.011%
130	9.901	9.874	9.954	VV	65986	695783	6.81%	0.427%
131	9.983	9.954	10.008	VV	6439	103210	1.01%	0.063%
132	10.025	10.008	10.037	VV	7744	81691	0.80%	0.050%
133	10.055	10.037	10.094	VV	15164	212262	2.08%	0.130%
134	10.117	10.094	10.147	VV	9936	122309	1.20%	0.075%
135	10.180	10.147	10.203	VV	20503	231877	2.27%	0.142%
136	10.226	10.203	10.254	VV	17251	197510	1.93%	0.121%
137	10.273	10.254	10.291	VV	1747	29047	0.28%	0.018%
138	10.327	10.291	10.371	VV	22026	323549	3.16%	0.198%
139	10.391	10.371	10.412	VV	4283	54435	0.53%	0.033%
140	10.423	10.412	10.445	VV	1629	20487	0.20%	0.013%
141	10.495	10.445	10.529	VV	1601	41460	0.41%	0.025%

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142	10.537	10.529	10.567	VV	367	4051	0.04%	0.002%
143	10.596	10.567	10.608	PV	439	6663	0.07%	0.004%
144	10.620	10.608	10.634	VV	412	4878	0.05%	0.003%
145	10.673	10.634	10.691	VV	6577	107969	1.06%	0.066%
146	10.705	10.691	10.722	VV	2803	33773	0.33%	0.021%
147	10.730	10.722	10.741	VV	1123	12612	0.12%	0.008%
148	10.762	10.741	10.772	VV	4952	60094	0.59%	0.037%
149	10.791	10.772	10.813	VV	14924	189305	1.85%	0.116%
150	10.831	10.813	10.861	VV	7664	95135	0.93%	0.058%
151	10.909	10.861	10.941	VV	9635	172685	1.69%	0.106%
152	10.962	10.941	11.020	VV	25680	337418	3.30%	0.207%
153	11.048	11.020	11.060	VV	4091	56243	0.55%	0.034%
154	11.080	11.060	11.092	VV	10718	129924	1.27%	0.080%
155	11.116	11.092	11.162	VV	31287	527958	5.16%	0.324%
156	11.185	11.162	11.195	VV	2685	43313	0.42%	0.027%
157	11.214	11.195	11.232	VV	8715	108949	1.07%	0.067%
158	11.244	11.232	11.266	VV	3088	50226	0.49%	0.031%
159	11.323	11.266	11.365	VV	638439	7068594	69.14%	4.334%
160	11.394	11.365	11.456	VV	188023	2052842	20.08%	1.259%
161	11.470	11.456	11.482	VV	2874	34057	0.33%	0.021%
162	11.489	11.482	11.514	VV	2352	35188	0.34%	0.022%
163	11.527	11.514	11.541	VV	1765	20579	0.20%	0.013%
164	11.561	11.541	11.581	VV	8473	97328	0.95%	0.060%
165	11.601	11.581	11.647	VV	40184	450806	4.41%	0.276%
166	11.680	11.647	11.693	PV	2451	42500	0.42%	0.026%
167	11.717	11.693	11.738	VV	4522	84503	0.83%	0.052%
168	11.754	11.738	11.775	VV	4803	72453	0.71%	0.044%
169	11.850	11.775	11.884	VV	15371	364529	3.57%	0.224%
170	11.917	11.884	11.940	VV	7887	119375	1.17%	0.073%
171	11.971	11.940	11.992	VV	7465	106619	1.04%	0.065%
172	12.012	11.992	12.035	VV	4667	66459	0.65%	0.041%
173	12.083	12.035	12.105	VV	222329	2393418	23.41%	1.468%
174	12.124	12.105	12.139	VV	61005	665858	6.51%	0.408%
175	12.155	12.139	12.198	VV	83807	899688	8.80%	0.552%
176	12.241	12.198	12.259	VV	81979	1270406	12.43%	0.779%
177	12.273	12.259	12.287	VV	33361	374691	3.66%	0.230%
178	12.304	12.287	12.329	VV	51532	603806	5.91%	0.370%
179	12.343	12.329	12.357	VV	2802	25997	0.25%	0.016%
180	12.379	12.357	12.403	VV	6411	84863	0.83%	0.052%
181	12.435	12.403	12.456	VV	3749	77245	0.76%	0.047%
182	12.481	12.456	12.503	VV	40152	431493	4.22%	0.265%
183	12.515	12.503	12.568	VV	3553	91770	0.90%	0.056%
184	12.594	12.568	12.642	VV	47229	581089	5.68%	0.356%
185	12.676	12.642	12.719	VV	17253	269283	2.63%	0.165%
186	12.743	12.719	12.768	VV	6989	106520	1.04%	0.065%
187	12.776	12.768	12.792	VV	2364	30063	0.29%	0.018%
188	12.800	12.792	12.813	VV	1906	19273	0.19%	0.012%
189	12.847	12.813	12.860	VV	8196	125916	1.23%	0.077%
190	12.870	12.860	12.896	VV	7271	89329	0.87%	0.055%
191	12.918	12.896	12.956	VV	14794	255835	2.50%	0.157%
192	12.981	12.956	13.009	PV	28733	393675	3.85%	0.241%
193	13.031	13.009	13.049	VV	29920	380561	3.72%	0.233%
194	13.070	13.049	13.085	VV	15401	258846	2.53%	0.159%

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195	13.096	13.085	13.117	VV	13016	181396	1.77%	0.111%
196	13.157	13.117	13.190	VV	820948	10223626	100.00%	6.269%
197	13.210	13.190	13.229	VV	8808	91142	0.89%	0.056%
198	13.245	13.229	13.254	PV	2428	25468	0.25%	0.016%
199	13.304	13.254	13.317	VV	14837	320805	3.14%	0.197%
200	13.335	13.317	13.396	VV	27858	648146	6.34%	0.397%
201	13.406	13.396	13.421	VV	4092	49861	0.49%	0.031%
202	13.457	13.421	13.482	VV	674254	7721740	75.53%	4.735%
203	13.522	13.482	13.568	VV	190699	3716634	36.35%	2.279%
204	13.587	13.568	13.598	VV	3131	40304	0.39%	0.025%
205	13.620	13.598	13.631	VV	25354	286725	2.80%	0.176%
206	13.646	13.631	13.670	VV	31889	396855	3.88%	0.243%
207	13.713	13.670	13.739	PV	44143	548881	5.37%	0.337%
208	13.785	13.739	13.807	VV	15093	257996	2.52%	0.158%
209	13.844	13.807	13.880	VV	22594	350105	3.42%	0.215%
210	13.908	13.880	13.977	VV	45181	726916	7.11%	0.446%
211	14.038	13.977	14.077	VV	115149	1794078	17.55%	1.100%
212	14.103	14.077	14.119	VV	10472	154197	1.51%	0.095%
213	14.146	14.119	14.168	VV	78577	1030195	10.08%	0.632%
214	14.187	14.168	14.208	VV	47383	579074	5.66%	0.355%
215	14.227	14.208	14.248	VV	25741	348027	3.40%	0.213%
216	14.277	14.248	14.288	VV	21267	339092	3.32%	0.208%
217	14.317	14.288	14.338	VV	39959	678321	6.63%	0.416%
218	14.357	14.338	14.394	VV	37312	515540	5.04%	0.316%
219	14.428	14.394	14.448	VV	15766	278311	2.72%	0.171%
220	14.465	14.448	14.501	VV	8061	176103	1.72%	0.108%
221	14.519	14.501	14.528	VV	6573	85407	0.84%	0.052%
222	14.540	14.528	14.555	VV	6391	87746	0.86%	0.054%
223	14.568	14.555	14.585	VV	5889	74391	0.73%	0.046%
224	14.593	14.585	14.606	VV	3146	30076	0.29%	0.018%
225	14.625	14.606	14.655	VV	3670	59867	0.59%	0.037%
226	14.677	14.655	14.691	PV	2261	24270	0.24%	0.015%
227	14.738	14.691	14.755	VV	16833	409621	4.01%	0.251%
228	14.775	14.755	14.808	VV	45727	617077	6.04%	0.378%
229	14.842	14.808	14.864	VV	12091	252953	2.47%	0.155%
230	14.878	14.864	14.917	VV	11672	219481	2.15%	0.135%
231	14.954	14.917	14.991	VV	54422	952232	9.31%	0.584%
232	15.019	14.991	15.042	VV	91542	1275196	12.47%	0.782%
233	15.079	15.042	15.118	VV	58966	1143694	11.19%	0.701%
234	15.142	15.118	15.158	VV	7951	124435	1.22%	0.076%
235	15.203	15.158	15.256	VV	23778	534550	5.23%	0.328%
236	15.285	15.256	15.304	VV	23077	306761	3.00%	0.188%
237	15.338	15.304	15.359	VV	371282	4990686	48.82%	3.060%
238	15.381	15.359	15.406	VV	381814	4405881	43.10%	2.702%
239	15.420	15.406	15.447	VV	9621	119290	1.17%	0.073%
240	15.497	15.447	15.540	VV	75624	1264766	12.37%	0.776%
241	15.568	15.540	15.605	VV	27141	430048	4.21%	0.264%
242	15.630	15.605	15.656	PV	24340	391113	3.83%	0.240%
243	15.677	15.656	15.730	VV	28009	591449	5.79%	0.363%
244	15.772	15.730	15.796	VV	17775	356774	3.49%	0.219%
245	15.816	15.796	15.839	VV	9037	153095	1.50%	0.094%
246	15.904	15.839	15.936	VV	8978	245181	2.40%	0.150%

rteres								
247	15.963	15.936	15.983	VV	18168	290509	2.84%	0.178%
248	16.007	15.983	16.028	VV	65099	824438	8.06%	0.506%
249	16.044	16.028	16.074	VV	31654	442705	4.33%	0.271%
250	16.091	16.074	16.112	VV	20292	289990	2.84%	0.178%
251	16.165	16.112	16.201	VV	45574	1166509	11.41%	0.715%
252	16.244	16.201	16.273	VV	22442	377246	3.69%	0.231%
253	16.288	16.273	16.308	VV	3365	50180	0.49%	0.031%
254	16.329	16.308	16.345	VV	15104	185939	1.82%	0.114%
255	16.363	16.345	16.384	VV	16473	206241	2.02%	0.126%
256	16.408	16.384	16.420	VV	11629	168044	1.64%	0.103%
257	16.432	16.420	16.463	VV	12267	167784	1.64%	0.103%
258	16.507	16.463	16.521	PV	2414	38055	0.37%	0.023%
259	16.536	16.521	16.550	VV	1499	16866	0.16%	0.010%
260	16.564	16.550	16.576	VV	1429	12726	0.12%	0.008%
261	16.624	16.576	16.659	VV	11586	270695	2.65%	0.166%
262	16.681	16.659	16.700	PV	17135	210793	2.06%	0.129%
263	16.714	16.700	16.728	VV	6853	89706	0.88%	0.055%
264	16.738	16.728	16.765	VV	5021	102753	1.01%	0.063%
265	16.804	16.765	16.817	VV	16919	318256	3.11%	0.195%
266	16.829	16.817	16.852	VV	16414	205030	2.01%	0.126%
267	16.906	16.852	16.923	PV	347523	5285227	51.70%	3.241%
268	16.931	16.923	16.961	VV	179738	1796495	17.57%	1.102%
269	16.978	16.961	16.996	VV	5783	83426	0.82%	0.051%
270	17.029	16.996	17.051	VV	78643	1025994	10.04%	0.629%
271	17.064	17.051	17.104	VV	15033	250597	2.45%	0.154%
272	17.119	17.104	17.131	VV	6293	71087	0.70%	0.044%
273	17.151	17.131	17.165	VV	13134	179864	1.76%	0.110%
274	17.226	17.165	17.252	VV	200126	3423790	33.49%	2.099%
275	17.286	17.252	17.323	VV	286297	3824161	37.41%	2.345%
276	17.383	17.323	17.408	VV	87415	1264233	12.37%	0.775%
277	17.427	17.408	17.456	VV	14612	246601	2.41%	0.151%
278	17.524	17.456	17.561	VV	19267	670788	6.56%	0.411%
279	17.581	17.561	17.601	VV	9425	152360	1.49%	0.093%
280	17.642	17.601	17.674	VV	40421	972533	9.51%	0.596%
281	17.683	17.674	17.716	VV	18234	241400	2.36%	0.148%
282	17.741	17.716	17.752	VV	9917	125409	1.23%	0.077%
283	17.804	17.752	17.839	VV	26924	724011	7.08%	0.444%
284	17.865	17.839	17.881	VV	16115	235131	2.30%	0.144%
285	17.893	17.881	17.912	VV	11151	142246	1.39%	0.087%
286	17.939	17.912	17.963	VV	25783	403763	3.95%	0.248%
287	17.975	17.963	18.017	VV	7629	135394	1.32%	0.083%
288	18.057	18.017	18.101	VV	8537	203932	1.99%	0.125%
289	18.120	18.101	18.134	VV	2511	25010	0.24%	0.015%
290	18.153	18.134	18.168	PV	1729	19481	0.19%	0.012%
291	18.244	18.168	18.296	VV	17210	574847	5.62%	0.352%
292	18.335	18.296	18.345	VV	8919	150368	1.47%	0.092%
293	18.375	18.345	18.394	VV	17371	339829	3.32%	0.208%
294	18.416	18.394	18.431	VV	22224	349310	3.42%	0.214%
295	18.441	18.431	18.478	VV	19306	365394	3.57%	0.224%
296	18.500	18.478	18.527	VV	9875	196011	1.92%	0.120%
297	18.562	18.527	18.623	VV	58422	1161450	11.36%	0.712%
298	18.658	18.623	18.681	VV	186190	2801111	27.40%	1.718%
299	18.694	18.681	18.719	VV	41119	677854	6.63%	0.416%

					rteres			
300	18.734	18.719	18.759	VV	23817	353575	3.46%	0.217%
301	18.785	18.759	18.802	VV	58163	811496	7.94%	0.498%
302	18.817	18.802	18.877	VV	48176	920639	9.01%	0.565%
303	18.914	18.877	18.950	VV	157163	2238098	21.89%	1.372%
304	18.992	18.950	19.012	VV	20595	447573	4.38%	0.274%
305	19.041	19.012	19.066	VV	62117	921590	9.01%	0.565%
306	19.083	19.066	19.108	VV	8954	180118	1.76%	0.110%
307	19.135	19.108	19.178	VV	10594	285174	2.79%	0.175%
308	19.214	19.178	19.234	VV	13524	288580	2.82%	0.177%
309	19.255	19.234	19.276	VV	7158	165193	1.62%	0.101%
310	19.339	19.276	19.360	VV	19751	544771	5.33%	0.334%
311	19.383	19.360	19.400	VV	11765	241401	2.36%	0.148%
312	19.422	19.400	19.458	VV	20287	449183	4.39%	0.275%
313	19.478	19.458	19.499	VV	21064	387683	3.79%	0.238%
314	19.512	19.499	19.535	VV	14307	264927	2.59%	0.162%
315	19.546	19.535	19.558	VV	10310	133696	1.31%	0.082%
316	19.584	19.558	19.643	VV	20733	694878	6.80%	0.426%
317	19.663	19.643	19.677	VV	10621	197287	1.93%	0.121%
318	19.700	19.677	19.727	VV	14207	357858	3.50%	0.219%
319	19.758	19.727	19.791	VV	15339	470741	4.60%	0.289%
320	19.801	19.791	19.813	VV	10846	138599	1.36%	0.085%
321	19.867	19.813	19.900	VV	17261	743833	7.28%	0.456%
322	19.922	19.900	19.958	VV	21672	614372	6.01%	0.377%
323	20.001	19.958	20.028	VV	29644	887386	8.68%	0.544%
324	20.068	20.028	20.094	VV	96391	1895340	18.54%	1.162%
325	20.135	20.094	20.165	VV	90074	2199041	21.51%	1.348%
326	20.189	20.165	20.208	VV	42312	967096	9.46%	0.593%
327	20.224	20.208	20.246	VV	47028	911491	8.92%	0.559%
328	20.254	20.246	20.289	VV	33975	773574	7.57%	0.474%
329	20.349	20.289	20.374	VV	41898	1514424	14.81%	0.929%
330	20.447	20.374	20.477	VV	105334	3195343	31.25%	1.959%
331	20.512	20.477	20.562	VV	60797	2250384	22.01%	1.380%
332	20.590	20.562	20.621	VV	51774	1454230	14.22%	0.892%
333	20.664	20.621	20.673	VV	38019	1151165	11.26%	0.706%
334	20.718	20.673	20.746	VV	45991	1777292	17.38%	1.090%
335	20.759	20.746	20.770	VV	39186	558347	5.46%	0.342%
336	20.784	20.770	20.831	VV	39470	1369066	13.39%	0.839%
337	20.874	20.831	20.894	VV	40035	1409193	13.78%	0.864%
338	20.942	20.894	20.951	VV	38094	1286213	12.58%	0.789%
339	20.974	20.951	21.055	VV	38691	2203704	21.56%	1.351%
340	21.068	21.055	21.078	VV	30206	403112	3.94%	0.247%
341	21.114	21.078	21.148	VV	32774	1303858	12.75%	0.799%
342	21.165	21.148	21.185	VV	31860	682052	6.67%	0.418%
343	21.211	21.185	21.233	VV	31670	851144	8.33%	0.522%
344	21.252	21.233	21.275	VV	30128	752688	7.36%	0.462%
345	21.290	21.275	21.371	VV	30091	1597519	15.63%	0.980%
346	21.379	21.371	21.445	VV	25076	888547	8.69%	0.545%
347	21.502	21.445	21.571	VV	24660	1584001	15.49%	0.971%
348	21.606	21.571	21.643	VV	23070	890744	8.71%	0.546%
349	21.667	21.643	21.694	VV	17864	526522	5.15%	0.323%
350	21.720	21.694	21.778	VV	22065	880538	8.61%	0.540%
351	21.808	21.778	21.846	VV	18596	641795	6.28%	0.394%

					rteres				
352	21.909	21.846	21.935	VV	27973	1098398	10.74%	0.673%	
353	21.945	21.935	22.037	VV	18032	706338	6.91%	0.433%	
354	22.086	22.037	22.113	VV	9388	352471	3.45%	0.216%	
355	22.133	22.113	22.187	VV	8714	182318	1.78%	0.112%	

Sum of corrected areas: 163088527

Aliphatic EPH 062725.M Wed Jul 09 08:15:43 2025

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G2(6-12)	SDG No.:	Q2487
Lab Sample ID:	Q2487-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	67.7
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/03/25 09:30	07/08/25 9:55	PB168723

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	204		5	8.69	14.7	mg/kg FE054732.D
Aliphatic C9-C28	Aliphatic C9-C28	100		5	6.70	29.4	mg/kg FE054732.D
Total AliphaticEPH	Total AliphaticEPH	304			15.4	44.1	mg/kg
Total EPH	Total EPH	304			15.4	44.1	mg/kg

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G2(6-12)	SDG No.:	Q2487
Lab Sample ID:	Q2487-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	67.7
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054710.D	1	07/03/25	07/07/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	122	E	1.34	5.88	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	174	E	1.74	2.95	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.1		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.1		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2487-14	Acq On:	07 Jul 2025 17:32
Client Sample ID:	G2(6-12)	Operator:	YP\AJ
Data file:	FE054710.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	3.322	6.953	2266916	16.662	300	ug/ml
Aliphatic C12-C16	6.954	10.404	1857989	13.218	200	ug/ml
Aliphatic C16-C21	10.405	13.782	11592146	80.282	300	ug/ml
Aliphatic C21-C28	13.783	17.452	164193663	1140	400	ug/ml
Aliphatic C28-C40	17.453	22.469	246722886	1780	600	ug/ml
Aliphatic EPH	3.322	22.469	426633600	3020		ug/ml
ortho-Terphenyl (SURR)	12.083	12.083	5056687	31.14		ug/ml
1-chlorooctadecane (SURR)	13.520	13.520	4182444	33.12		ug/ml
Aliphatic C9-C28	3.322	17.452	179910714	1250	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054710.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jul 2025 17:32
 Operator : YP\AJ
 Sample : Q2487-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 G2(6-12)

Manual Integrations
 APPROVED

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

Integration File: sample.E
 Quant Time: Jul 08 03:32:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.083	5056687	31.138 ug/ml
Spiked Amount 50.000		Recovery =	62.28%
12) S 1-chlorooctadecane (S...	13.520	4182444	33.117 ug/mlm
Spiked Amount 50.000		Recovery =	66.23%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054710.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 17:32
Operator : YP\AJ
Sample : Q2487-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

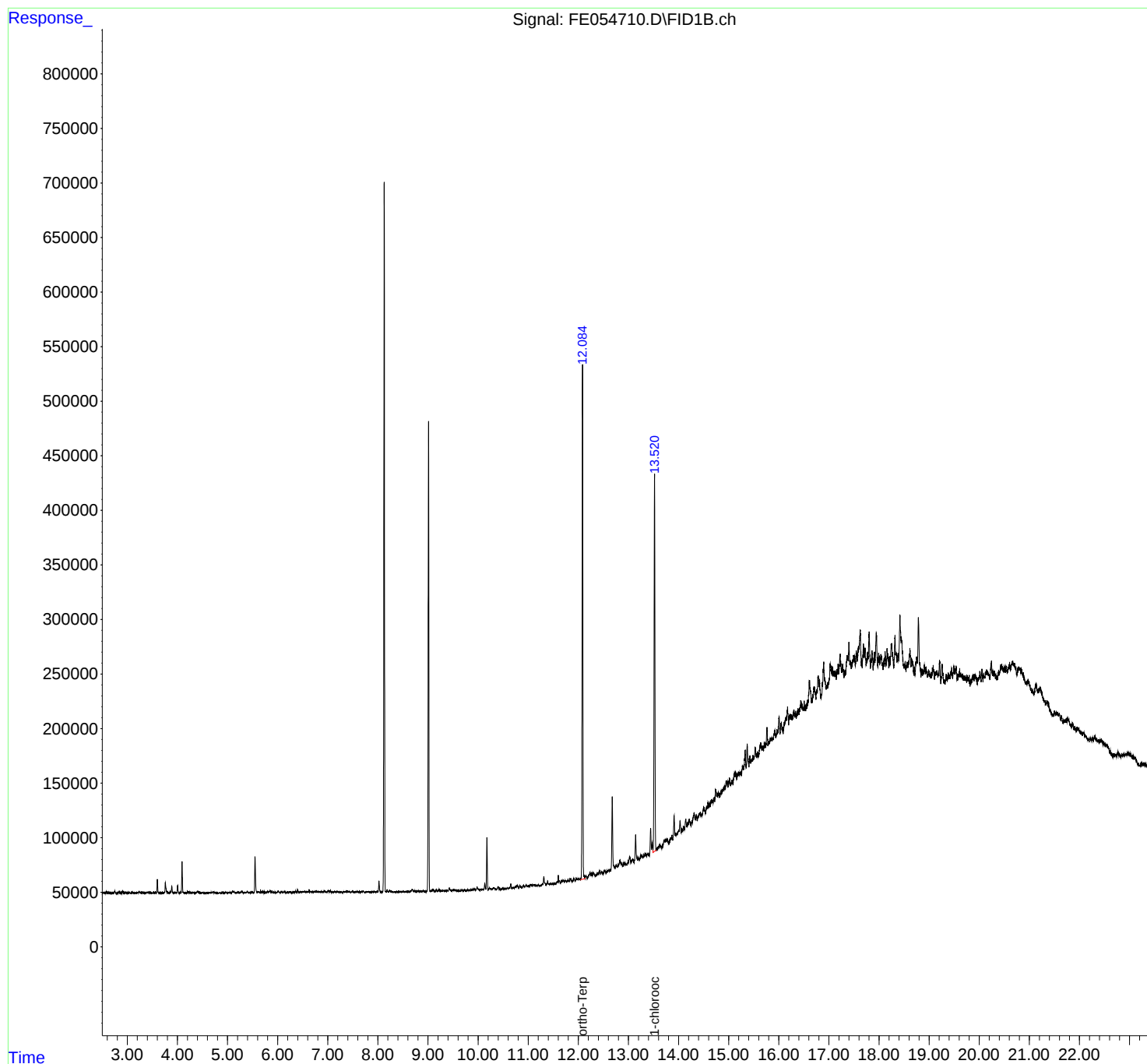
Instrument :
FID_E
ClientSampleId :
G2(6-12)

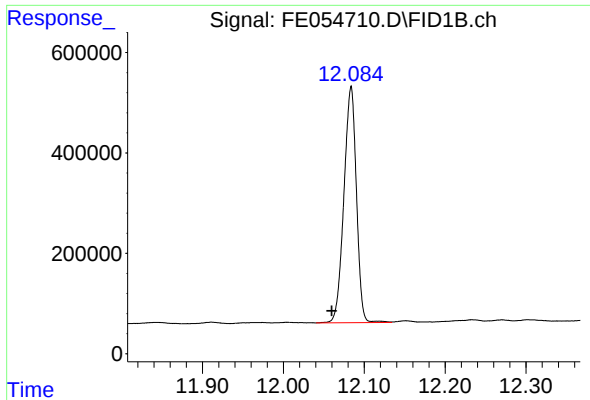
Manual Integrations
APPROVED

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

Integration File: sample.E
Quant Time: Jul 08 03:32:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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





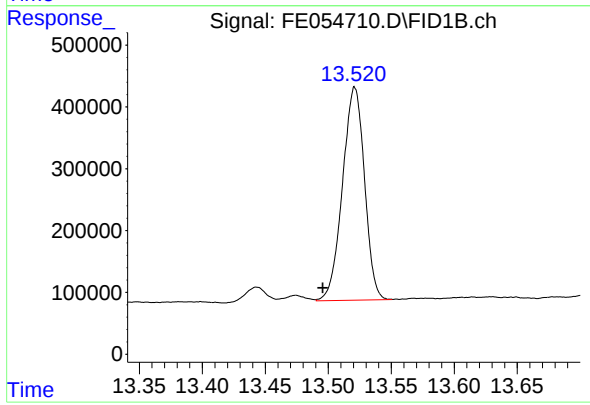
#9 ortho-Terphenyl (SURR)

R.T.: 12.083 min
Delta R.T.: 0.024 min
Response: 5056687
Conc: 31.14 ug/ml

Instrument :
FID_E
ClientSampleId :
G2(6-12)

Manual Integrations
APPROVED

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



#12 1-chlorooctadecane (SURR)

R.T.: 13.520 min
Delta R.T.: 0.025 min
Response: 4182444
Conc: 33.12 ug/ml m

rteres

Instrument :

FID_E

ClientSampleId :

G2(6-12)

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE07072
Data File : FE054710.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 17:32
Sample : Q2487-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.836	2.805	2.871	BV	953	17384	0.14%	0.004%
2	2.905	2.871	2.965	VV	1344	32187	0.25%	0.007%
3	2.995	2.965	3.015	VV	425	10250	0.08%	0.002%
4	3.029	3.015	3.067	VV	396	8333	0.07%	0.002%
5	3.108	3.067	3.138	VV	645	15029	0.12%	0.003%
6	3.147	3.138	3.158	VV	303	3129	0.02%	0.001%
7	3.169	3.158	3.179	VV	304	2984	0.02%	0.001%
8	3.186	3.179	3.204	VV	312	3461	0.03%	0.001%
9	3.232	3.204	3.262	VV	1864	25216	0.20%	0.006%
10	3.274	3.262	3.335	VV	634	17190	0.14%	0.004%
11	3.343	3.335	3.365	VV	156	2567	0.02%	0.001%
12	3.397	3.365	3.407	VV	614	10565	0.08%	0.002%
13	3.416	3.407	3.428	VV	589	6230	0.05%	0.001%
14	3.443	3.428	3.511	VV	892	19642	0.16%	0.005%
15	3.526	3.511	3.543	VV	500	7207	0.06%	0.002%
16	3.561	3.543	3.581	VV	575	10048	0.08%	0.002%
17	3.600	3.581	3.662	VV	12688	126654	1.00%	0.029%
18	3.671	3.662	3.682	VV	213	1773	0.01%	0.000%
19	3.700	3.682	3.727	VV	461	7471	0.06%	0.002%
20	3.760	3.727	3.834	VV	9290	139492	1.10%	0.032%
21	3.857	3.834	3.871	VV	1088	17606	0.14%	0.004%
22	3.888	3.871	3.922	VV	6478	70299	0.56%	0.016%
23	3.954	3.922	3.983	VV	821	15898	0.13%	0.004%
24	4.004	3.983	4.045	VV	7129	72927	0.58%	0.017%
25	4.093	4.045	4.173	VV	28865	281726	2.23%	0.065%
26	4.202	4.173	4.225	VV	1225	19681	0.16%	0.005%
27	4.237	4.225	4.261	VV	844	15163	0.12%	0.004%
28	4.268	4.261	4.346	VV	679	22011	0.17%	0.005%
29	4.400	4.346	4.422	VV	1992	36845	0.29%	0.009%
30	4.437	4.422	4.468	VV	1337	19562	0.15%	0.005%
31	4.494	4.468	4.519	VV	567	9898	0.08%	0.002%
32	4.533	4.519	4.547	VV	383	3283	0.03%	0.001%
33	4.576	4.547	4.592	VV	547	8067	0.06%	0.002%
34	4.635	4.592	4.652	VV	469	13152	0.10%	0.003%
35	4.677	4.652	4.695	VV	847	13057	0.10%	0.003%
36	4.714	4.695	4.737	VV	1515	22916	0.18%	0.005%

37	4.751	4.737	4.825	VV	759	17700	0.14%	0.004%
38	4.845	4.825	4.869	PV	635	9299	0.04%	0.001%
39	4.896	4.869	4.912	VV	792	11432	0.07%	0.002%
40	4.924	4.912	4.947	VV	553	8458	0.06%	0.002%
41	4.963	4.947	5.004	VV	913	14571	0.06%	0.002%
42	5.041	5.004	5.068	VV	1007	17830	0.06%	0.002%
43	5.101	5.068	5.167	VV	1808	56309	0.45%	0.013%
44	5.199	5.167	5.210	VV	797	14086	0.11%	0.003%
45	5.224	5.210	5.245	VV	1168	15295	0.12%	0.004%
46	5.282	5.245	5.318	VV	1541	34520	0.27%	0.008%
47	5.336	5.318	5.344	VV	407	5232	0.04%	0.001%
48	5.393	5.344	5.422	VV	1660	33733	0.27%	0.008%
49	5.440	5.422	5.454	VV	661	8316	0.07%	0.002%
50	5.469	5.454	5.482	VV	1198	13078	0.10%	0.003%
51	5.493	5.482	5.528	VV	838	16172	0.13%	0.004%
52	5.549	5.528	5.601	VV	33248	370521	2.93%	0.086%
53	5.619	5.601	5.642	VV	1302	21789	0.17%	0.005%
54	5.661	5.642	5.681	VV	1424	19384	0.15%	0.004%
55	5.698	5.681	5.716	VV	1523	19016	0.15%	0.004%
56	5.727	5.716	5.770	VV	651	14144	0.11%	0.003%
57	5.795	5.770	5.808	VV	1513	18263	0.14%	0.004%
58	5.850	5.808	5.868	VV	1926	43087	0.34%	0.010%
59	5.893	5.868	5.915	VV	1045	23180	0.18%	0.005%
60	5.923	5.915	5.934	VV	657	6535	0.05%	0.002%
61	5.948	5.934	5.965	VV	655	9221	0.07%	0.002%
62	6.011	5.965	6.048	VV	1577	33957	0.27%	0.008%
63	6.069	6.048	6.077	VV	889	11766	0.09%	0.003%
64	6.087	6.077	6.105	VV	911	11651	0.09%	0.003%
65	6.123	6.105	6.165	VV	1215	24926	0.20%	0.006%
66	6.191	6.165	6.224	VV	734	16535	0.13%	0.004%
67	6.254	6.224	6.281	VV	952	21320	0.17%	0.005%
68	6.302	6.281	6.328	VV	781	14671	0.12%	0.003%
69	6.358	6.328	6.377	VV	1410	25679	0.20%	0.006%
70	6.397	6.377	6.432	VV	3133	44884	0.36%	0.010%
71	6.451	6.432	6.468	VV	983	15242	0.12%	0.004%
72	6.506	6.468	6.524	VV	1107	25788	0.20%	0.006%
73	6.546	6.524	6.571	VV	1039	23109	0.18%	0.005%
74	6.586	6.571	6.608	VV	1069	19536	0.15%	0.005%
75	6.627	6.608	6.672	VV	1319	34880	0.28%	0.008%
76	6.691	6.672	6.709	VV	1007	15640	0.12%	0.004%
77	6.731	6.709	6.744	VV	1086	17232	0.14%	0.004%
78	6.776	6.744	6.795	VV	1097	29858	0.24%	0.007%
79	6.808	6.795	6.821	VV	988	13462	0.11%	0.003%
80	6.834	6.821	6.842	VV	783	9374	0.07%	0.002%
81	6.853	6.842	6.864	VV	880	10422	0.08%	0.002%
82	6.873	6.864	6.905	VV	905	16200	0.13%	0.004%
83	6.929	6.905	6.973	VV	1776	35873	0.28%	0.008%
84	7.009	6.973	7.030	VV	2011	34650	0.27%	0.008%
85	7.051	7.030	7.072	VV	2001	27878	0.22%	0.006%
86	7.083	7.072	7.111	VV	705	11244	0.09%	0.003%
87	7.138	7.111	7.158	VV	930	17999	0.14%	0.004%
88	7.180	7.158	7.218	VV	795	19628	0.16%	0.005%
89	7.261	7.218	7.285	VV	641	16943	0.13%	0.004%

Instrument :

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Manual IntegrationsAPPROVED

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90	7.341	7.285	7.355	VV	765	19785	0.16%	0.005%
91	7.370	7.355	7.382	VV	1172	14874		
92	7.396	7.382	7.414	VV	1161	15820		
93	7.429	7.414	7.461	VV	846	15784		
94	7.494	7.461	7.521	VV	1061	19826		
95	7.540	7.521	7.558	VV	464	7587		
96	7.579	7.558	7.587	VV	900	10045	0.08%	0.002%
97	7.599	7.587	7.619	VV	1013	13218	0.10%	0.003%
98	7.635	7.619	7.656	VV	868	11115	0.09%	0.003%
99	7.678	7.656	7.688	VV	666	9395	0.07%	0.002%
100	7.708	7.688	7.748	VV	1365	24315	0.19%	0.006%
101	7.807	7.748	7.837	VV	679	17290	0.14%	0.004%
102	7.859	7.837	7.878	PV	391	6197	0.05%	0.001%
103	7.891	7.878	7.910	VV	456	7659	0.06%	0.002%
104	7.921	7.910	7.954	VV	542	8174	0.06%	0.002%
105	7.988	7.954	8.001	VV	746	14958	0.12%	0.003%
106	8.023	8.001	8.055	VV	9914	110456	0.87%	0.026%
107	8.066	8.055	8.084	VV	353	4294	0.03%	0.001%
108	8.186	8.165	8.206	VV	2205	24428	0.19%	0.006%
109	8.234	8.206	8.258	VV	1728	27179	0.22%	0.006%
110	8.269	8.258	8.315	VV	537	10372	0.08%	0.002%
111	8.342	8.315	8.358	PV	185	2823	0.02%	0.001%
112	8.384	8.358	8.455	VV	369	13550	0.11%	0.003%
113	8.463	8.455	8.483	VV	261	3228	0.03%	0.001%
114	8.511	8.483	8.528	VV	690	10538	0.08%	0.002%
115	8.539	8.528	8.555	VV	366	4492	0.04%	0.001%
116	8.578	8.555	8.606	VV	633	13144	0.10%	0.003%
117	8.623	8.606	8.635	VV	482	6727	0.05%	0.002%
118	8.689	8.635	8.718	VV	2181	51854	0.41%	0.012%
119	8.728	8.718	8.752	VV	765	11546	0.09%	0.003%
120	8.771	8.752	8.785	VV	465	7654	0.06%	0.002%
121	8.807	8.785	8.840	VV	914	20448	0.16%	0.005%
122	8.861	8.840	8.881	VV	901	13575	0.11%	0.003%
123	8.906	8.881	8.958	VV	840	21310	0.17%	0.005%
124	9.055	9.040	9.065	VV	696	8999	0.07%	0.002%
125	9.086	9.065	9.135	VV	1676	40873	0.32%	0.009%
126	9.163	9.135	9.185	VV	1749	28855	0.23%	0.007%
127	9.223	9.185	9.245	VV	1873	35401	0.28%	0.008%
128	9.265	9.245	9.282	VV	688	12094	0.10%	0.003%
129	9.319	9.282	9.335	VV	881	19078	0.15%	0.004%
130	9.350	9.335	9.366	VV	656	9757	0.08%	0.002%
131	9.382	9.366	9.399	VV	1005	13382	0.11%	0.003%
132	9.428	9.399	9.480	VV	2460	59194	0.47%	0.014%
133	9.498	9.480	9.508	VV	1199	14247	0.11%	0.003%
134	9.522	9.508	9.535	VV	1456	18412	0.15%	0.004%
135	9.544	9.535	9.641	VV	997	33414	0.26%	0.008%
136	9.677	9.641	9.701	PV	878	17193	0.14%	0.004%
137	9.726	9.701	9.749	VV	942	17856	0.14%	0.004%
138	9.759	9.749	9.769	VV	376	3981	0.03%	0.001%
139	9.793	9.769	9.805	VV	686	9968	0.08%	0.002%
140	9.816	9.805	9.835	VV	583	7335	0.06%	0.002%
141	9.857	9.835	9.885	VV	1064	17870	0.14%	0.004%

Instrument :

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G2(6-12)

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

						nteres		G2(6-12)	
142	9.899	9.885	9.912	VV	1269	14734	0.12%	0.003%	
143	9.925	9.912	9.953	VV	1285	19387	0.12%	0.003%	
144	9.979	9.953	10.034	VV	2716	56790	0.12%	0.003%	
145	10.054	10.034	10.067	VV	818	12325	0.12%	0.003%	
146	10.081	10.067	10.115	VV	976	18140	0.12%	0.003%	
147	10.134	10.115	10.153	VV	6001	67357	0.12%	0.003%	
148	10.177	10.153	10.203	VV	47762	471047	3.73%	0.109%	
149	10.225	10.203	10.274	VV	1717	39768	0.31%	0.009%	
150	10.313	10.274	10.367	VV	1567	47178	0.37%	0.011%	
151	10.394	10.367	10.452	VV	2053	41352	0.33%	0.010%	
152	10.485	10.452	10.535	PV	849	20974	0.17%	0.005%	
153	10.550	10.535	10.564	VV	366	4704	0.04%	0.001%	
154	10.583	10.564	10.600	VV	937	10260	0.08%	0.002%	
155	10.619	10.600	10.631	VV	860	11104	0.09%	0.003%	
156	10.653	10.631	10.678	VV	4467	53121	0.42%	0.012%	
157	10.700	10.678	10.716	PV	967	11267	0.09%	0.003%	
158	10.784	10.716	10.812	VV	2745	77125	0.61%	0.018%	
159	10.832	10.812	10.872	VV	1521	32700	0.26%	0.008%	
160	10.905	10.872	10.938	PV	2261	44699	0.35%	0.010%	
161	10.958	10.938	10.987	VV	2411	43009	0.34%	0.010%	
162	11.004	10.987	11.020	VV	1410	20737	0.16%	0.005%	
163	11.047	11.020	11.062	VV	2094	35481	0.28%	0.008%	
164	11.078	11.062	11.092	VV	1995	26272	0.21%	0.006%	
165	11.117	11.092	11.171	VV	1795	55491	0.44%	0.013%	
166	11.206	11.171	11.229	VV	985	23397	0.19%	0.005%	
167	11.312	11.229	11.355	PV	8252	146437	1.16%	0.034%	
168	11.387	11.355	11.426	VV	3873	56135	0.44%	0.013%	
169	11.450	11.426	11.471	VV	1103	18480	0.15%	0.004%	
170	11.497	11.471	11.509	VV	746	11186	0.09%	0.003%	
171	11.530	11.509	11.547	PV	813	8879	0.07%	0.002%	
172	11.602	11.547	11.642	VV	3885	82435	0.65%	0.019%	
173	11.664	11.642	11.689	VV	2767	48491	0.38%	0.011%	
174	11.706	11.689	11.731	VV	2112	40140	0.32%	0.009%	
175	11.745	11.731	11.770	VV	1766	30720	0.24%	0.007%	
176	11.792	11.770	11.810	VV	1952	30648	0.24%	0.007%	
177	11.844	11.810	11.876	VV	2945	63428	0.50%	0.015%	
178	11.911	11.876	11.934	VV	3096	41634	0.33%	0.010%	
179	11.973	11.934	11.986	PV	1750	37803	0.30%	0.009%	
180	12.005	11.986	12.038	VV	1732	30337	0.24%	0.007%	
181	12.083	12.038	12.134	VV	473391	5055605	40.02%	1.171%	
182	12.151	12.134	12.168	VV	2967	35295	0.28%	0.008%	
183	12.179	12.168	12.183	VV	339	3177	0.03%	0.001%	
184	12.234	12.183	12.251	VV	3886	81876	0.65%	0.019%	
185	12.270	12.251	12.286	VV	3409	45641	0.36%	0.011%	
186	12.303	12.286	12.345	VV	2947	52737	0.42%	0.012%	
187	12.375	12.345	12.391	VV	1302	20805	0.16%	0.005%	
188	12.425	12.391	12.445	VV	3087	55836	0.44%	0.013%	
189	12.463	12.445	12.488	VV	2262	31084	0.25%	0.007%	
190	12.531	12.488	12.554	VV	2742	46505	0.37%	0.011%	
191	12.605	12.554	12.617	VV	1513	38446	0.30%	0.009%	
192	12.635	12.617	12.647	VV	1928	23699	0.19%	0.005%	
193	12.677	12.647	12.736	VV	67497	903301	7.15%	0.209%	
194	12.757	12.736	12.777	VV	4545	86801	0.69%	0.020%	

195	12.832	12.777	12.854	VV	8257	235934	1.87%	0.055%
196	12.865	12.854	12.884	VV	5006	71503		
197	12.906	12.884	12.923	VV	4096	75958		
198	12.935	12.923	12.966	VV	3725	78947		
199	13.023	12.966	13.051	VV	9306	266360		
200	13.088	13.051	13.111	VV	5855	164791		
201	13.143	13.111	13.181	VV	27417	447224	3.54%	0.104%
202	13.200	13.181	13.220	VV	5566	109267	0.86%	0.025%
203	13.244	13.220	13.255	VV	7219	123052	0.97%	0.028%
204	13.265	13.255	13.284	VV	7104	106884	0.85%	0.025%
205	13.303	13.284	13.318	VV	6771	124333	0.98%	0.029%
206	13.348	13.318	13.362	VV	7128	172817	1.37%	0.040%
207	13.383	13.362	13.395	VV	6813	125343	0.99%	0.029%
208	13.398	13.395	13.417	VV	6742	76920	0.61%	0.018%
209	13.443	13.417	13.461	VV	29930	422519	3.34%	0.098%
210	13.474	13.461	13.489	VV	16162	211182	1.67%	0.049%
211	13.521	13.489	13.551	VV	352727	4471334	35.39%	1.035%
212	13.578	13.551	13.587	VV	10098	205849	1.63%	0.048%
213	13.629	13.587	13.638	VV	11783	330137	2.61%	0.076%
214	13.645	13.638	13.665	VV	10937	162994	1.29%	0.038%
215	13.749	13.665	13.765	VV	15129	785558	6.22%	0.182%
216	13.776	13.765	13.798	VV	15606	280943	2.22%	0.065%
217	13.809	13.798	13.825	VV	12838	202374	1.60%	0.047%
218	13.838	13.825	13.851	VV	16187	238906	1.89%	0.055%
219	13.867	13.851	13.883	VV	18060	299965	2.37%	0.069%
220	13.912	13.883	13.938	VV	35485	751588	5.95%	0.174%
221	14.030	13.938	14.051	VV	28853	1388279	10.99%	0.321%
222	14.070	14.051	14.084	VV	21028	399121	3.16%	0.092%
223	14.103	14.084	14.117	VV	22890	428601	3.39%	0.099%
224	14.144	14.117	14.163	VV	29480	692195	5.48%	0.160%
225	14.181	14.163	14.194	VV	25352	446039	3.53%	0.103%
226	14.214	14.194	14.250	VV	27842	858864	6.80%	0.199%
227	14.311	14.250	14.331	VV	33031	1363920	10.80%	0.316%
228	14.354	14.331	14.375	VV	30846	726757	5.75%	0.168%
229	14.431	14.375	14.448	VV	31161	1279200	10.13%	0.296%
230	14.503	14.448	14.540	VV	35256	1743778	13.80%	0.404%
231	14.559	14.540	14.566	VV	35094	520105	4.12%	0.120%
232	14.586	14.566	14.601	VV	39016	761101	6.02%	0.176%
233	14.620	14.601	14.631	VV	37476	662406	5.24%	0.153%
234	14.655	14.631	14.690	VV	40446	1367114	10.82%	0.317%
235	14.707	14.690	14.720	VV	41699	725755	5.74%	0.168%
236	14.744	14.720	14.778	VV	49081	1538749	12.18%	0.356%
237	14.797	14.778	14.824	VV	45195	1199391	9.49%	0.278%
238	14.876	14.824	14.888	VV	47579	1742770	13.79%	0.404%
239	14.919	14.888	14.933	VV	50180	1309758	10.37%	0.303%
240	14.948	14.933	14.988	VV	53861	1704386	13.49%	0.395%
241	15.016	14.988	15.036	VV	56146	1513960	11.98%	0.351%
242	15.067	15.036	15.087	VV	53601	1576150	12.48%	0.365%
243	15.143	15.087	15.163	VV	59308	2577616	20.40%	0.597%
244	15.196	15.163	15.207	VV	59308	1513172	11.98%	0.350%
245	15.241	15.207	15.255	VV	59094	1659831	13.14%	0.384%
246	15.276	15.255	15.296	VV	63475	1498294	11.86%	0.347%

Instrument :

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ClientSampleId :

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1.87% 0.055%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

						Instrument : FID_E ClientSampleId : G2(6-12)		
rteres						Manual IntegrationsAPPROVED		
247	15.328	15.296	15.347	VV	77616	2091226	16.55%	0.484%
248	15.370	15.347	15.404	VV	82925	2403098	19.55%	0.516%
249	15.422	15.404	15.439	VV	71133	1386804	10.91%	0.373%
250	15.487	15.439	15.498	VV	70425	2394857	18.55%	0.633%
						Reviewed By :Yogesh Patel 07/08/2025 Supervised By :mohammad ahmed 07/08/2025		
251	15.530	15.498	15.565	VV	77298	2874135	22.01%	0.673%
252	15.578	15.565	15.595	VV	72836	1269874	10.61%	0.364%
253	15.638	15.595	15.659	VV	80698	2907166	23.01%	0.673%
254	15.673	15.659	15.695	VV	76716	1613128	12.77%	0.374%
255	15.711	15.695	15.731	VV	79161	1657178	13.12%	0.384%
256	15.764	15.731	15.808	VV	92944	3789179	29.99%	0.877%
257	15.828	15.808	15.838	VV	81403	1442954	11.42%	0.334%
258	15.856	15.838	15.864	VV	81351	1277572	10.11%	0.296%
259	15.919	15.864	15.939	VV	88606	3747618	29.66%	0.868%
260	15.964	15.939	15.976	VV	88455	1927792	15.26%	0.446%
261	16.005	15.976	16.025	VV	99583	2699217	21.37%	0.625%
262	16.050	16.025	16.086	VV	94627	3261232	25.81%	0.755%
263	16.174	16.086	16.197	VV	107427	6297252	49.84%	1.458%
264	16.224	16.197	16.234	VV	98344	2155146	17.06%	0.499%
265	16.251	16.234	16.271	VV	98152	2165520	17.14%	0.501%
266	16.279	16.271	16.284	VV	97109	716520	5.67%	0.166%
267	16.302	16.284	16.322	VV	100886	2263030	17.91%	0.524%
268	16.331	16.322	16.348	VV	99661	1527444	12.09%	0.354%
269	16.363	16.348	16.376	VV	99523	1639104	12.97%	0.380%
270	16.386	16.376	16.404	VV	101960	1669495	13.21%	0.387%
271	16.416	16.404	16.421	VV	102722	1049219	8.30%	0.243%
272	16.439	16.421	16.458	VV	109729	2325679	18.41%	0.539%
273	16.464	16.458	16.495	VV	105628	2252340	17.83%	0.522%
274	16.507	16.495	16.526	VV	107596	1953713	15.46%	0.452%
275	16.532	16.526	16.538	VV	103148	687201	5.44%	0.159%
276	16.615	16.538	16.663	VV	125435	8304404	65.73%	1.923%
277	16.702	16.663	16.740	VV	117769	5214070	41.27%	1.207%
278	16.785	16.740	16.805	VV	125683	4531880	35.87%	1.049%
279	16.814	16.805	16.845	VV	124204	2750189	21.77%	0.637%
280	16.896	16.845	16.945	VV	138191	7269937	57.54%	1.684%
281	16.955	16.945	16.965	VV	116541	1373347	10.87%	0.318%
282	17.025	16.965	17.075	VV	135851	8263010	65.40%	1.914%
283	17.077	17.075	17.086	VV	131939	877892	6.95%	0.203%
284	17.108	17.086	17.122	VV	127379	2763586	21.87%	0.640%
285	17.131	17.122	17.148	VV	127877	1908606	15.11%	0.442%
286	17.183	17.148	17.195	VV	133036	3598865	28.49%	0.833%
287	17.223	17.195	17.260	VV	142043	5196684	41.13%	1.203%
288	17.274	17.260	17.305	VV	131785	3372553	26.69%	0.781%
289	17.400	17.305	17.464	VV	150617	12633802	100.00%	2.926%
290	17.492	17.464	17.528	VV	137304	5139587	40.68%	1.190%
291	17.548	17.528	17.567	VV	140479	3180471	25.17%	0.737%
292	17.626	17.567	17.664	VV	159411	8248007	65.29%	1.910%
293	17.691	17.664	17.706	VV	142475	3440893	27.24%	0.797%
294	17.722	17.706	17.742	VV	139558	2902279	22.97%	0.672%
295	17.769	17.742	17.785	VV	135342	3331219	26.37%	0.771%
296	17.803	17.785	17.829	VV	153186	3752380	29.70%	0.869%
297	17.862	17.829	17.882	VV	136717	4058448	32.12%	0.940%
298	17.909	17.882	17.922	VV	134084	3044525	24.10%	0.705%
299	17.946	17.922	17.974	VV	152735	4323907	34.22%	1.001%

							Instrument : FID_E	
							ClientSampleId : G2(6-12)	
300	17.995	17.974	18.012	VV	131919	2932043	23.21%	0.679%
							Manual IntegrationsAPPROVED	
301	18.038	18.012	18.080	VV	131057	5141731	40.59%	1.187%
302	18.123	18.080	18.141	VV	132417	4556439	36.81%	0.853%
303	18.161	18.141	18.196	VV	134209	4149419	32.41%	1.212%
304	18.251	18.196	18.294	VV	137889	7488412	59.36%	0.391%
305	18.318	18.294	18.358	VV	144924	4973508	39.12%	0.362%
306	18.379	18.358	18.394	VV	128136	2704225	21.40%	0.626%
307	18.417	18.394	18.515	VV	162997	9614344	76.10%	2.226%
308	18.521	18.515	18.540	VV	118613	1755850	13.90%	0.407%
309	18.560	18.540	18.578	VV	117495	2597514	20.56%	0.602%
310	18.618	18.578	18.638	VV	128661	4367978	34.57%	1.012%
311	18.649	18.638	18.714	VV	120755	5127733	40.59%	1.187%
312	18.751	18.714	18.768	VV	119902	3681412	29.14%	0.853%
313	18.786	18.768	18.838	VV	155383	5233976	41.43%	1.212%
314	18.854	18.838	18.865	VV	107367	1687949	13.36%	0.391%
315	18.874	18.865	18.889	VV	106362	1563576	12.38%	0.362%
316	18.905	18.889	18.922	VV	110966	2070676	16.39%	0.480%
317	18.936	18.922	18.970	VV	107690	3043680	24.09%	0.705%
318	18.988	18.970	19.021	VV	104869	3132669	24.80%	0.725%
319	19.036	19.021	19.058	VV	103238	2210772	17.50%	0.512%
320	19.081	19.058	19.111	VV	108400	3276329	25.93%	0.759%
321	19.121	19.111	19.141	VV	102181	1818297	14.39%	0.421%
322	19.149	19.141	19.175	VV	102482	2023531	16.02%	0.469%
323	19.208	19.175	19.232	VV	111560	3470863	27.47%	0.804%
324	19.255	19.232	19.317	VV	106964	4953855	39.21%	1.147%
325	19.351	19.317	19.361	VV	96515	2467054	19.53%	0.571%
326	19.381	19.361	19.418	VV	97694	3203844	25.36%	0.742%
327	19.449	19.418	19.470	VV	100571	3048631	24.13%	0.706%
328	19.494	19.470	19.508	VV	101645	2215972	17.54%	0.513%
329	19.537	19.508	19.558	VV	102823	2919012	23.10%	0.676%
330	19.568	19.558	19.576	VV	94033	1008519	7.98%	0.234%
331	19.608	19.576	19.731	VV	97940	8505787	67.33%	1.970%
332	19.763	19.731	19.827	VV	89868	4996976	39.55%	1.157%
333	19.838	19.827	19.847	VV	85728	1028201	8.14%	0.238%
334	19.878	19.847	19.898	VV	90487	2679318	21.21%	0.620%
335	19.915	19.898	19.959	VV	89840	3167361	25.07%	0.733%
336	20.012	19.959	20.034	VV	91316	3867024	30.61%	0.896%
337	20.054	20.034	20.074	VV	93066	2103053	16.65%	0.487%
338	20.090	20.074	20.105	VV	86752	1549588	12.27%	0.359%
339	20.137	20.105	20.218	VV	90523	5927387	46.92%	1.373%
340	20.243	20.218	20.268	VV	96570	2728431	21.60%	0.632%
341	20.277	20.268	20.292	VV	88174	1241076	9.82%	

rteres									
352	21.175	21.165	21.185	VV	60353	680155	5.38%	0.158%	
353	21.220	21.185	21.325	VV	62306	4574204	36		
354	21.347	21.325	21.374	VV	48317	1374923	10		
355	21.384	21.374	21.471	VV	45879	2215433	17		
356	21.483	21.471	21.490	VV	34416	379801	3		
357	21.507	21.490	21.525	VV	36314	734566	5		
358	21.544	21.525	21.580	VV	34927	1111722	8.80%	0.257%	
359	21.597	21.580	21.625	VV	33558	840569	6.65%	0.195%	
360	21.639	21.625	21.671	VV	30029	757747	6.00%	0.175%	
361	21.682	21.671	21.691	VV	25674	297018	2.35%	0.069%	
362	21.699	21.691	21.748	VV	26518	855139	6.77%	0.198%	
363	21.762	21.748	21.835	VV	26989	1196160	9.47%	0.277%	
364	21.864	21.835	21.889	VV	21054	610479	4.83%	0.141%	
365	21.907	21.889	21.928	VV	17815	372064	2.94%	0.086%	
366	21.950	21.928	22.018	VV	16649	737544	5.84%	0.171%	
367	22.028	22.018	22.059	VV	11897	244098	1.93%	0.057%	
368	22.086	22.059	22.195	VV	9566	464619	3.68%	0.108%	
369	22.215	22.195	22.236	PV	3331	46474	0.37%	0.011%	
370	22.260	22.236	22.277	VV	2764	34132	0.27%	0.008%	

Sum of corrected areas: 431824357

Aliphatic EPH 062725.M Tue Jul 08 05:05:24 2025

Instrument :
FID_E
ClientSampleId :
G2(6-12)

Manual IntegrationsAPPROVED

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G2(6-12)DL	SDG No.:	Q2487
Lab Sample ID:	Q2487-14DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	67.7
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054732.D	5	07/03/25	07/08/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	100		6.70	29.4	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	204		8.69	14.7	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	7.14		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	6.59		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2487-14DL	Acq On:	08 Jul 2025 09:55
Client Sample ID:	G2(6-12)DL	Operator:	YP\AJ
Data file:	FE054732.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.956	543026	3.991	300	ug/ml
Aliphatic C12-C16	6.957	10.409	495810	3.527	200	ug/ml
Aliphatic C16-C21	10.410	13.786	1083578	7.504	300	ug/ml
Aliphatic C21-C28	13.787	17.458	28471499	196.828	400	ug/ml
Aliphatic C28-C40	17.459	22.482	57786419	416.787	600	ug/ml
Aliphatic EPH	3.323	22.482	88380332	628.637		ug/ml
ortho-Terphenyl (SURR)	12.082	12.082	1069970	6.59		ug/ml
1-chlorooctadecane (SURR)	13.519	13.519	901744	7.14		ug/ml
Aliphatic C9-C28	3.323	17.458	30593913	211.85	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
 Data File : FE054732.D
 Signal(s) : FID1B.ch
 Acq On : 08 Jul 2025 09:55
 Operator : YP\AJ
 Sample : Q2487-14DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 G2(6-12)DL

Integration File: autoint1.e
 Quant Time: Jul 09 06:36:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 08 07:45:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.082	1069970	6.589 ug/ml
Spiked Amount 50.000		Recovery =	13.18%
12) S 1-chlorooctadecane (S...	13.519	901744	7.140 ug/ml
Spiked Amount 50.000		Recovery =	14.28%

Target Compounds

(f)=RT Delta > 1/2 Window

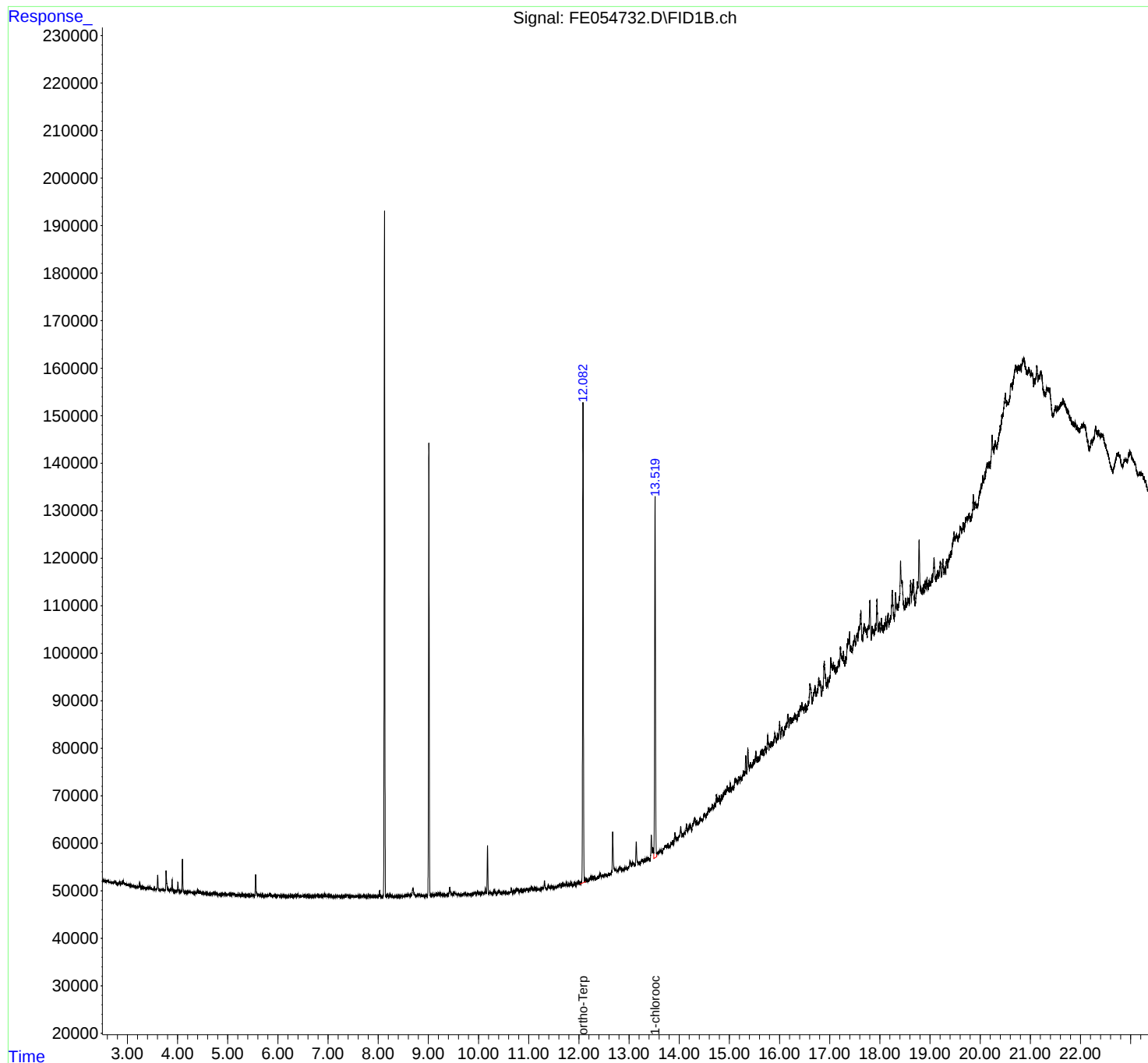
(m)=manual int.

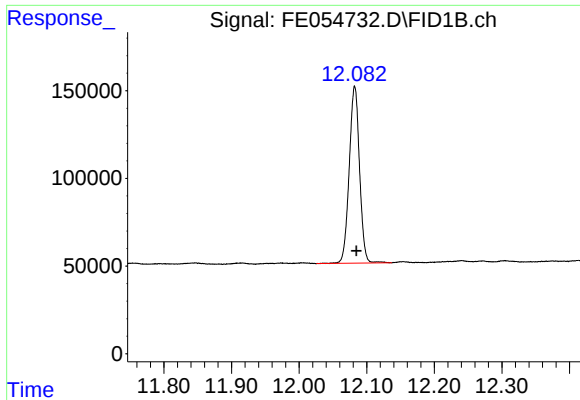
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
Data File : FE054732.D
Signal(s) : FID1B.ch
Acq On : 08 Jul 2025 09:55
Operator : YP\AJ
Sample : Q2487-14DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
G2(6-12)DL

Integration File: autoint1.e
Quant Time: Jul 09 06:36:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Tue Jul 08 07:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

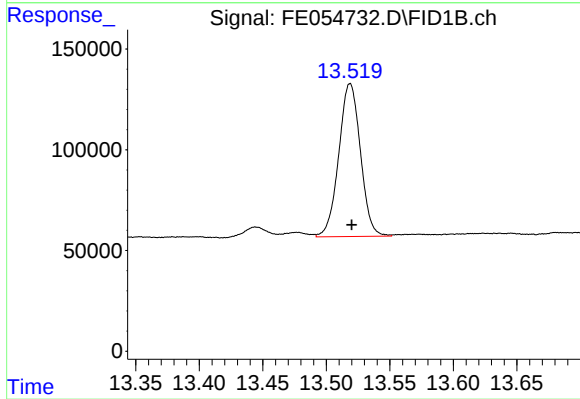




#9 ortho-Terphenyl (SURR)

R.T.: 12.082 min
Delta R.T.: -0.002 min
Response: 1069970
Conc: 6.59 ug/ml

Instrument :
FID_E
ClientSampleId :
G2(6-12)DL



#12 1-chlorooctadecane (SURR)

R.T.: 13.519 min
Delta R.T.: -0.001 min
Response: 901744
Conc: 7.14 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
 Data File : FE054732.D
 Signal(s) : FID1B.ch
 Acq On : 08 Jul 2025 09:55
 Sample : Q2487-14DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.840	2.804	2.894	BV	296	6897	0.19%	0.008%
2	2.912	2.894	3.026	VV	770	17621	0.49%	0.019%
3	3.038	3.026	3.095	VV	113	2556	0.07%	0.003%
4	3.107	3.095	3.177	VV	123	4972	0.14%	0.005%
5	3.188	3.177	3.214	PV	110	1215	0.03%	0.001%
6	3.241	3.214	3.276	VV	869	11022	0.31%	0.012%
7	3.288	3.276	3.364	VV	264	5591	0.16%	0.006%
8	3.396	3.364	3.433	PV	217	5030	0.14%	0.006%
9	3.444	3.433	3.481	VV	240	3781	0.11%	0.004%
10	3.497	3.481	3.521	PV	107	1225	0.03%	0.001%
11	3.531	3.521	3.558	VV	190	2581	0.07%	0.003%
12	3.568	3.558	3.578	VV	124	1343	0.04%	0.001%
13	3.604	3.578	3.661	VV	3114	31608	0.89%	0.035%
14	3.670	3.661	3.692	VV	114	838	0.02%	0.001%
15	3.705	3.692	3.737	VV	208	1951	0.05%	0.002%
16	3.772	3.737	3.838	VV	4092	55244	1.55%	0.061%
17	3.891	3.838	3.919	VV	2441	29287	0.82%	0.032%
18	3.936	3.919	3.945	VV	164	1545	0.04%	0.002%
19	3.955	3.945	3.991	VV	199	3020	0.08%	0.003%
20	4.007	3.991	4.051	VV	1983	19971	0.56%	0.022%
21	4.097	4.051	4.180	PV	6932	70302	1.97%	0.078%
22	4.213	4.180	4.246	PV	307	7605	0.21%	0.008%
23	4.257	4.246	4.268	VV	225	2518	0.07%	0.003%
24	4.284	4.268	4.302	VV	207	2956	0.08%	0.003%
25	4.312	4.302	4.354	VV	153	3641	0.10%	0.004%
26	4.404	4.354	4.423	VV	786	12128	0.34%	0.013%
27	4.440	4.423	4.524	VV	550	12820	0.36%	0.014%
28	4.536	4.524	4.560	VV	220	2611	0.07%	0.003%
29	4.576	4.560	4.589	VV	216	2578	0.07%	0.003%
30	4.597	4.589	4.618	VV	172	2370	0.07%	0.003%
31	4.624	4.618	4.664	VV	174	3726	0.10%	0.004%
32	4.715	4.664	4.738	VV	419	10042	0.28%	0.011%
33	4.753	4.738	4.784	VV	329	6125	0.17%	0.007%
34	4.793	4.784	4.818	VV	193	1857	0.05%	0.002%
35	4.849	4.818	4.865	PV	159	2164	0.06%	0.002%
36	4.898	4.865	4.951	PV	193	5665	0.16%	0.006%

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37	4.965	4.951	4.991	VV	251	3208	0.09%	0.004%
38	4.999	4.991	5.012	VV	114	1171	0.03%	0.001%
39	5.047	5.012	5.073	VV	243	4512	0.13%	0.005%
40	5.104	5.073	5.114	VV	377	5456	0.15%	0.006%
41	5.125	5.114	5.184	VV	358	7230	0.20%	0.008%
42	5.200	5.184	5.211	VV	183	2011	0.06%	0.002%
43	5.225	5.211	5.237	VV	207	2117	0.06%	0.002%
44	5.282	5.237	5.318	VV	302	7863	0.22%	0.009%
45	5.369	5.318	5.430	VV	203	6785	0.19%	0.008%
46	5.471	5.430	5.533	PV	283	6487	0.18%	0.007%
47	5.555	5.533	5.606	PV	4516	51111	1.43%	0.057%
48	5.624	5.606	5.647	VV	232	4460	0.13%	0.005%
49	5.662	5.647	5.684	VV	288	3705	0.10%	0.004%
50	5.702	5.684	5.716	VV	273	2918	0.08%	0.003%
51	5.726	5.716	5.744	VV	155	1259	0.04%	0.001%
52	5.757	5.744	5.774	VV	112	862	0.02%	0.001%
53	5.796	5.774	5.808	PV	286	2761	0.08%	0.003%
54	5.856	5.808	5.877	VV	399	9809	0.28%	0.011%
55	5.896	5.877	5.909	VV	221	3187	0.09%	0.004%
56	5.927	5.909	5.985	VV	196	4503	0.13%	0.005%
57	6.013	5.985	6.044	VV	349	5754	0.16%	0.006%
58	6.071	6.044	6.083	VV	208	2535	0.07%	0.003%
59	6.092	6.083	6.111	VV	178	1951	0.05%	0.002%
60	6.124	6.111	6.171	VV	249	4725	0.13%	0.005%
61	6.198	6.171	6.221	PV	153	2622	0.07%	0.003%
62	6.257	6.221	6.284	VV	214	4248	0.12%	0.005%
63	6.304	6.284	6.334	VV	155	2699	0.08%	0.003%
64	6.360	6.334	6.380	VV	326	4552	0.13%	0.005%
65	6.398	6.380	6.438	VV	615	8908	0.25%	0.010%
66	6.449	6.438	6.471	VV	234	2842	0.08%	0.003%
67	6.505	6.471	6.525	VV	318	6016	0.17%	0.007%
68	6.548	6.525	6.577	VV	282	6661	0.19%	0.007%
69	6.590	6.577	6.627	VV	316	5230	0.15%	0.006%
70	6.653	6.627	6.675	VV	294	5584	0.16%	0.006%
71	6.696	6.675	6.714	VV	232	4048	0.11%	0.004%
72	6.739	6.714	6.747	VV	267	3726	0.10%	0.004%
73	6.766	6.747	6.795	VV	269	6844	0.19%	0.008%
74	6.806	6.795	6.831	VV	320	4990	0.14%	0.006%
75	6.868	6.831	6.889	VV	314	7929	0.22%	0.009%
76	6.903	6.889	6.918	VV	247	3159	0.09%	0.003%
77	6.932	6.918	6.994	VV	469	10056	0.28%	0.011%
78	7.011	6.994	7.028	VV	452	5163	0.14%	0.006%
79	7.054	7.028	7.074	VV	465	6796	0.19%	0.008%
80	7.086	7.074	7.114	VV	201	2478	0.07%	0.003%
81	7.137	7.114	7.164	PV	234	3674	0.10%	0.004%
82	7.178	7.164	7.219	VV	186	2969	0.08%	0.003%
83	7.267	7.219	7.302	VV	181	4793	0.13%	0.005%
84	7.339	7.302	7.349	VV	256	3424	0.10%	0.004%
85	7.397	7.349	7.417	VV	338	9106	0.26%	0.010%
86	7.437	7.417	7.477	VV	273	5581	0.16%	0.006%
87	7.496	7.477	7.523	VV	266	4636	0.13%	0.005%
88	7.540	7.523	7.558	VV	144	2264	0.06%	0.003%
89	7.600	7.558	7.620	VV	250	5646	0.16%	0.006%

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90	7.713	7.620	7.764	VV	265	10391	0.29%	0.011%
91	7.774	7.764	7.790	PV	142	1444	0.04%	0.002%
92	7.807	7.790	7.846	VV	274	3973	0.11%	0.004%
93	7.858	7.846	7.871	VV	121	1233	0.03%	0.001%
94	7.903	7.871	7.958	VV	175	3378	0.09%	0.004%
95	7.984	7.958	8.003	PV	161	2923	0.08%	0.003%
96	8.026	8.003	8.071	VV	1245	13495	0.38%	0.015%
97	8.186	8.164	8.205	VV	530	5799	0.16%	0.006%
98	8.239	8.205	8.306	VV	392	9587	0.27%	0.011%
99	8.345	8.306	8.358	PV	77	1230	0.03%	0.001%
100	8.422	8.358	8.458	VV	138	3956	0.11%	0.004%
101	8.514	8.458	8.528	VV	205	3561	0.10%	0.004%
102	8.545	8.528	8.552	VV	165	1892	0.05%	0.002%
103	8.601	8.552	8.639	VV	272	10151	0.28%	0.011%
104	8.691	8.639	8.761	VV	1689	38345	1.08%	0.042%
105	8.812	8.761	8.854	VV	264	9198	0.26%	0.010%
106	8.861	8.854	8.889	VV	241	2687	0.08%	0.003%
107	8.906	8.889	8.955	VV	217	2988	0.08%	0.003%
108	9.087	9.054	9.101	VV	409	5691	0.16%	0.006%
109	9.110	9.101	9.137	VV	308	4635	0.13%	0.005%
110	9.167	9.137	9.211	VV	553	13789	0.39%	0.015%
111	9.225	9.211	9.258	VV	511	8199	0.23%	0.009%
112	9.260	9.258	9.281	VV	203	1895	0.05%	0.002%
113	9.295	9.281	9.308	VV	162	1664	0.05%	0.002%
114	9.318	9.308	9.338	VV	204	2500	0.07%	0.003%
115	9.349	9.338	9.359	VV	178	1498	0.04%	0.002%
116	9.384	9.359	9.397	VV	317	4348	0.12%	0.005%
117	9.425	9.397	9.481	VV	1655	32900	0.92%	0.036%
118	9.525	9.481	9.598	VV	655	22337	0.63%	0.025%
119	9.610	9.598	9.644	VV	205	2828	0.08%	0.003%
120	9.682	9.644	9.698	PV	244	4306	0.12%	0.005%
121	9.723	9.698	9.774	VV	343	8061	0.23%	0.009%
122	9.793	9.774	9.840	VV	189	3681	0.10%	0.004%
123	9.872	9.840	9.883	VV	155	2443	0.07%	0.003%
124	9.903	9.883	9.921	VV	396	6144	0.17%	0.007%
125	9.933	9.921	9.955	VV	350	5621	0.16%	0.006%
126	9.981	9.955	10.040	VV	742	17161	0.48%	0.019%
127	10.057	10.040	10.068	VV	243	3174	0.09%	0.004%
128	10.082	10.068	10.105	VV	300	4871	0.14%	0.005%
129	10.136	10.105	10.154	VV	1347	15556	0.44%	0.017%
130	10.179	10.154	10.205	VV	10146	100496	2.82%	0.111%
131	10.226	10.205	10.284	PV	498	12650	0.35%	0.014%
132	10.309	10.284	10.360	VV	776	15939	0.45%	0.018%
133	10.397	10.360	10.456	VV	508	10662	0.30%	0.012%
134	10.491	10.456	10.504	VV	162	3547	0.10%	0.004%
135	10.508	10.504	10.568	VV	172	3880	0.11%	0.004%
136	10.586	10.568	10.599	PV	211	2082	0.06%	0.002%
137	10.656	10.599	10.684	VV	962	13629	0.38%	0.015%
138	10.703	10.684	10.721	PV	305	4528	0.13%	0.005%
139	10.754	10.721	10.768	VV	630	11240	0.32%	0.012%
140	10.787	10.768	10.818	VV	760	11949	0.34%	0.013%
141	10.835	10.818	10.870	VV	383	8097	0.23%	0.009%

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142	10.906	10.870	10.937	VV	451	10747	0.30%	0.012%
143	10.960	10.937	10.987	VV	718	13829	0.39%	0.015%
144	11.004	10.987	11.024	VV	375	6949	0.19%	0.008%
145	11.050	11.024	11.068	VV	890	14074	0.39%	0.016%
146	11.078	11.068	11.098	VV	479	6099	0.17%	0.007%
147	11.118	11.098	11.181	VV	523	16478	0.46%	0.018%
148	11.198	11.181	11.232	VV	273	4839	0.14%	0.005%
149	11.274	11.232	11.293	PV	504	9772	0.27%	0.011%
150	11.315	11.293	11.354	VV	1750	25303	0.71%	0.028%
151	11.390	11.354	11.409	VV	920	13287	0.37%	0.015%
152	11.417	11.409	11.431	VV	324	3479	0.10%	0.004%
153	11.447	11.431	11.474	VV	503	8283	0.23%	0.009%
154	11.494	11.474	11.514	VV	278	5317	0.15%	0.006%
155	11.529	11.514	11.550	VV	213	3519	0.10%	0.004%
156	11.582	11.550	11.591	PV	433	6822	0.19%	0.008%
157	11.621	11.591	11.646	VV	592	13338	0.37%	0.015%
158	11.666	11.646	11.726	VV	678	22521	0.63%	0.025%
159	11.755	11.726	11.778	VV	818	15369	0.43%	0.017%
160	11.793	11.778	11.821	VV	480	8691	0.24%	0.010%
161	11.845	11.821	11.888	VV	782	15329	0.43%	0.017%
162	11.915	11.888	11.935	VV	675	9396	0.26%	0.010%
163	11.974	11.935	11.988	PV	504	9926	0.28%	0.011%
164	12.006	11.988	12.027	VV	481	7195	0.20%	0.008%
165	12.082	12.027	12.136	VV	100553	1076001	30.17%	1.190%
166	12.153	12.136	12.187	VV	721	10264	0.29%	0.011%
167	12.240	12.187	12.256	VV	1055	21679	0.61%	0.024%
168	12.271	12.256	12.287	VV	765	9226	0.26%	0.010%
169	12.305	12.287	12.331	VV	783	10710	0.30%	0.012%
170	12.376	12.331	12.395	VV	411	6926	0.19%	0.008%
171	12.427	12.395	12.449	VV	1052	18687	0.52%	0.021%
172	12.464	12.449	12.491	VV	491	6942	0.19%	0.008%
173	12.527	12.491	12.553	VV	578	11975	0.34%	0.013%
174	12.594	12.553	12.609	VV	394	6206	0.17%	0.007%
175	12.628	12.609	12.641	PV	309	3590	0.10%	0.004%
176	12.674	12.641	12.721	VV	8717	124876	3.50%	0.138%
177	12.738	12.721	12.758	VV	814	14363	0.40%	0.016%
178	12.809	12.758	12.819	VV	886	21096	0.59%	0.023%
179	12.828	12.819	12.851	VV	842	11770	0.33%	0.013%
180	12.868	12.851	12.887	VV	352	5230	0.15%	0.006%
181	12.907	12.887	12.921	PV	485	6519	0.18%	0.007%
182	12.932	12.921	12.968	VV	306	5001	0.14%	0.006%
183	13.023	12.968	13.051	PV	1454	31855	0.89%	0.035%
184	13.071	13.051	13.114	VV	995	22429	0.63%	0.025%
185	13.144	13.114	13.181	VV	5121	68266	1.91%	0.076%
186	13.199	13.181	13.218	VV	565	8138	0.23%	0.009%
187	13.245	13.218	13.254	VV	819	10200	0.29%	0.011%
188	13.268	13.254	13.288	VV	808	11390	0.32%	0.013%
189	13.301	13.288	13.321	VV	892	9495	0.27%	0.011%
190	13.336	13.321	13.344	VV	769	7946	0.22%	0.009%
191	13.353	13.344	13.368	VV	770	8720	0.24%	0.010%
192	13.398	13.368	13.418	VV	608	13874	0.39%	0.015%
193	13.445	13.418	13.463	PV	5227	68307	1.92%	0.076%
194	13.476	13.463	13.489	VV	2503	30918	0.87%	0.034%

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195	13.519	13.489	13.551	VV	76130	910915	25.54%	1.007%
196	13.573	13.551	13.587	VV	1075	20878	0.59%	0.023%
197	13.644	13.587	13.663	VV	1303	49305	1.38%	0.055%
198	13.683	13.663	13.694	VV	1452	21003	0.59%	0.023%
199	13.719	13.694	13.761	VV	1804	63826	1.79%	0.071%
200	13.778	13.761	13.796	VV	1973	32454	0.91%	0.036%
201	13.839	13.796	13.853	VV	1909	48932	1.37%	0.054%
202	13.870	13.853	13.886	VV	2201	36587	1.03%	0.040%
203	13.917	13.886	13.937	VV	3614	77640	2.18%	0.086%
204	13.953	13.937	13.971	VV	2407	47163	1.32%	0.052%
205	14.031	13.971	14.054	VV	4395	145588	4.08%	0.161%
206	14.076	14.054	14.089	VV	2807	53465	1.50%	0.059%
207	14.104	14.089	14.117	VV	2843	44708	1.25%	0.049%
208	14.145	14.117	14.167	VV	4523	103814	2.91%	0.115%
209	14.187	14.167	14.198	VV	3757	60166	1.69%	0.067%
210	14.215	14.198	14.248	VV	4025	103937	2.91%	0.115%
211	14.313	14.248	14.331	VV	4867	200393	5.62%	0.222%
212	14.353	14.331	14.375	VV	4179	100282	2.81%	0.111%
213	14.420	14.375	14.466	VV	4454	214242	6.01%	0.237%
214	14.505	14.466	14.533	VV	5054	180175	5.05%	0.199%
215	14.589	14.533	14.606	VV	5837	216096	6.06%	0.239%
216	14.669	14.606	14.688	VV	6173	277920	7.79%	0.307%
217	14.744	14.688	14.759	VV	7889	271373	7.61%	0.300%
218	14.769	14.759	14.782	VV	7061	93187	2.61%	0.103%
219	14.799	14.782	14.816	VV	7375	138964	3.90%	0.154%
220	14.839	14.816	14.858	VV	7492	167995	4.71%	0.186%
221	14.918	14.858	14.927	VV	7863	307713	8.63%	0.340%
222	14.956	14.927	14.978	VV	8715	246199	6.90%	0.272%
223	15.018	14.978	15.038	VV	9206	291388	8.17%	0.322%
224	15.129	15.038	15.161	VV	9585	631400	17.70%	0.698%
225	15.194	15.161	15.212	VV	9769	274703	7.70%	0.304%
226	15.222	15.212	15.229	VV	9350	96870	2.72%	0.107%
227	15.235	15.229	15.244	VV	9288	83339	2.34%	0.092%
228	15.279	15.244	15.303	VV	10374	341689	9.58%	0.378%
229	15.326	15.303	15.345	VV	13562	289407	8.12%	0.320%
230	15.369	15.345	15.398	VV	14740	380874	10.68%	0.421%
231	15.419	15.398	15.448	VV	11597	326233	9.15%	0.361%
232	15.486	15.448	15.504	VV	11884	386076	10.83%	0.427%
233	15.528	15.504	15.554	VV	13538	364217	10.21%	0.403%
234	15.567	15.554	15.588	VV	12012	231673	6.50%	0.256%
235	15.663	15.588	15.694	VV	13201	801237	22.47%	0.886%
236	15.715	15.694	15.738	VV	13768	346543	9.72%	0.383%
237	15.764	15.738	15.789	VV	15882	436889	12.25%	0.483%
238	15.807	15.789	15.819	VV	13826	243086	6.82%	0.269%
239	15.830	15.819	15.862	VV	13898	345004	9.67%	0.382%
240	15.908	15.862	15.938	VV	15601	657130	18.43%	0.727%
241	15.960	15.938	15.971	VV	15468	291061	8.16%	0.322%
242	16.001	15.971	16.022	VV	17805	479668	13.45%	0.531%
243	16.051	16.022	16.070	VV	16407	441666	12.38%	0.488%
244	16.081	16.070	16.090	VV	15361	181699	5.09%	0.201%
245	16.169	16.090	16.191	VV	18447	1003155	28.13%	1.109%
246	16.206	16.191	16.228	VV	17551	370852	10.40%	0.410%

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247	16.244	16.228	16.261	VV	17451	333092	9.34%	0.368%
248	16.301	16.261	16.347	VV	18119	894970	25.10%	0.990%
249	16.359	16.347	16.364	VV	17561	172367	4.83%	0.191%
250	16.415	16.364	16.431	VV	19066	732663	20.54%	0.810%
251	16.447	16.431	16.486	VV	19595	616848	17.30%	0.682%
252	16.608	16.486	16.651	VV	22661	1928919	54.09%	2.133%
253	16.707	16.651	16.738	VV	22041	1065616	29.88%	1.179%
254	16.756	16.738	16.763	VV	20958	312056	8.75%	0.345%
255	16.782	16.763	16.840	VV	23332	1003086	28.13%	1.109%
256	16.892	16.840	16.938	VV	26224	1331307	37.33%	1.472%
257	16.954	16.938	16.967	VV	22344	379561	10.64%	0.420%
258	17.022	16.967	17.061	VV	26468	1335232	37.44%	1.477%
259	17.074	17.061	17.145	VV	25287	1212522	34.00%	1.341%
260	17.175	17.145	17.196	VV	25051	746784	20.94%	0.826%
261	17.215	17.196	17.261	VV	27601	1013558	28.42%	1.121%
262	17.275	17.261	17.299	VV	26577	579788	16.26%	0.641%
263	17.316	17.299	17.327	VV	25497	410932	11.52%	0.454%
264	17.396	17.327	17.411	VV	30224	1402597	39.33%	1.551%
265	17.425	17.411	17.447	VV	27170	567203	15.90%	0.627%
266	17.496	17.447	17.514	VV	29000	1121636	31.45%	1.241%
267	17.547	17.514	17.560	VV	29101	778286	21.82%	0.861%
268	17.621	17.560	17.664	VV	33681	1876555	52.62%	2.075%
269	17.687	17.664	17.699	VV	30517	613246	17.20%	0.678%
270	17.707	17.699	17.748	VV	29790	854237	23.95%	0.945%
271	17.801	17.748	17.829	VV	34931	1484758	41.63%	1.642%
272	17.846	17.829	17.884	VV	29490	944161	26.47%	1.044%
273	17.942	17.884	17.966	VV	34689	1477250	41.42%	1.634%
274	17.990	17.966	18.008	VV	29460	718377	20.14%	0.795%
275	18.030	18.008	18.048	VV	30135	689403	19.33%	0.762%
276	18.056	18.048	18.071	VV	28611	389935	10.93%	0.431%
277	18.118	18.071	18.137	VV	30339	1141173	32.00%	1.262%
278	18.163	18.137	18.181	VV	30714	771329	21.63%	0.853%
279	18.247	18.181	18.287	VV	35227	1965659	55.12%	2.174%
280	18.315	18.287	18.331	VV	34274	849706	23.83%	0.940%
281	18.344	18.331	18.364	VV	31847	614714	17.24%	0.680%
282	18.413	18.364	18.501	VV	40602	2794382	78.36%	3.091%
283	18.513	18.501	18.528	VV	32258	502584	14.09%	0.556%
284	18.613	18.528	18.631	VV	35337	1988885	55.77%	2.200%
285	18.669	18.631	18.710	VV	35662	1561728	43.79%	1.727%
286	18.749	18.710	18.761	VV	34750	1018528	28.56%	1.126%
287	18.782	18.761	18.835	VV	43440	1583796	44.41%	1.752%
288	18.845	18.835	18.851	VV	32946	320751	8.99%	0.355%
289	18.868	18.851	18.878	VV	33202	525645	14.74%	0.581%
290	18.902	18.878	18.920	VV	34192	852450	23.90%	0.943%
291	18.940	18.920	18.968	VV	34877	948130	26.59%	1.049%
292	18.984	18.968	18.994	VV	33975	536287	15.04%	0.593%
293	19.008	18.994	19.017	VV	33627	459582	12.89%	0.508%
294	19.041	19.017	19.050	VV	34827	667788	18.73%	0.739%
295	19.080	19.050	19.131	VV	38315	1717045	48.15%	1.899%
296	19.153	19.131	19.170	VV	35282	813038	22.80%	0.899%
297	19.206	19.170	19.234	VV	36714	1337616	37.51%	1.479%
298	19.256	19.234	19.287	VV	36881	1131259	31.72%	1.251%
299	19.299	19.287	19.313	VV	35429	553822	15.53%	0.613%

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300	19.334	19.313	19.350	VV	36907	786197	22.05%	0.870%
301	19.479	19.350	19.499	VV	42011	3442634	96.53%	3.808%
302	19.530	19.499	19.560	VV	41578	1495790	41.94%	1.654%
303	19.602	19.560	19.634	VV	42456	1848670	51.84%	2.045%
304	19.661	19.634	19.681	VV	43158	1192431	33.44%	1.319%
305	19.780	19.681	19.818	VV	44460	3566241	100.00%	3.944%
306	19.864	19.818	19.928	VV	48114	3005091	84.26%	3.324%
307	19.939	19.928	19.949	VV	45915	581160	16.30%	0.643%
308	20.052	19.949	20.071	VV	51353	3545098	99.41%	3.921%
309	20.141	20.071	20.158	VV	53583	2719366	76.25%	3.008%
					Sum of corrected areas:		90417118	

Aliphatic EPH 062725.M Wed Jul 09 08:18:44 2025

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G1(0-6)	SDG No.:	Q2487
Lab Sample ID:	Q2487-15	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/03/25 09:30	07/08/25 10:25	PB168723

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	73.4		5	7.31	12.4	mg/kg FE054733.D
Aliphatic C9-C28	Aliphatic C9-C28	16.9		1	1.13	4.96	mg/kg FE054711.D
Total AliphaticEPH	Total AliphaticEPH	90.3			8.44	17.4	mg/kg
Total EPH	Total EPH	90.3			8.44	17.4	mg/kg

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G1(0-6)	SDG No.:	Q2487
Lab Sample ID:	Q2487-15	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054711.D	1	07/03/25	07/07/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	16.9		1.13	4.96	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	67.6	E	1.46	2.48	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.9		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.7		40 - 140	43%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2487-15	Acq On:	07 Jul 2025 18:02
Client Sample ID:	G1(0-6)	Operator:	YP\AJ
Data file:	FE054711.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	3.322	6.953	1036895	7.621	300	ug/ml
Aliphatic C12-C16	6.954	10.404	2115621	15.051	200	ug/ml
Aliphatic C16-C21	10.405	13.782	11379377	78.808	300	ug/ml
Aliphatic C21-C28	13.783	17.452	14938993	103.276	400	ug/ml
Aliphatic C28-C40	17.453	22.469	113456601	818.31	600	ug/ml
Aliphatic EPH	3.322	22.469	142927487	1020		ug/ml
ortho-Terphenyl (SURR)	12.081	12.081	3529928	21.74		ug/ml
1-chlorooctadecane (SURR)	13.519	13.519	3147803	24.92		ug/ml
Aliphatic C9-C28	3.322	17.452	29470886	204.756	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054711.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jul 2025 18:02
 Operator : YP\AJ
 Sample : Q2487-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 G1(0-6)

Integration File: sample.E
 Quant Time: Jul 08 03:32:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.081	3529928	21.737 ug/ml
Spiked Amount 50.000		Recovery =	43.47%
12) S 1-chlorooctadecane (S...	13.519	3147803	24.924 ug/ml
Spiked Amount 50.000		Recovery =	49.85%

Target Compounds

(f)=RT Delta > 1/2 Window

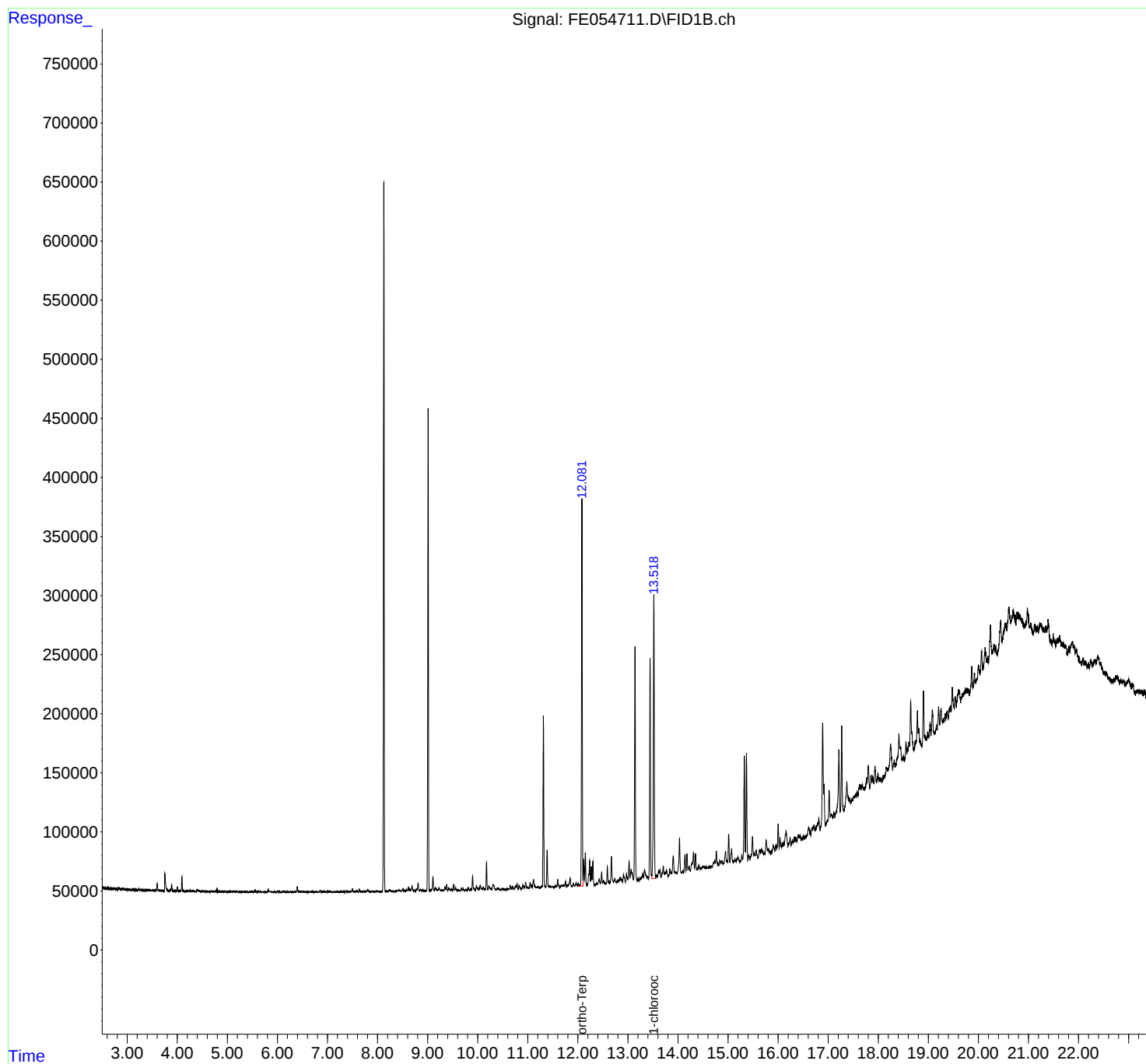
(m)=manual int.

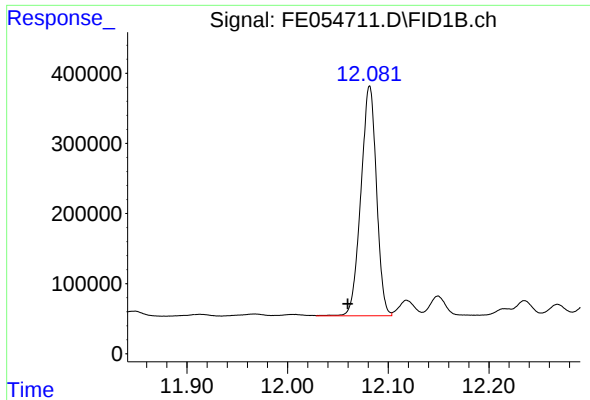
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054711.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 18:02
Operator : YP\AJ
Sample : Q2487-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
G1(0-6)

Integration File: sample.E
Quant Time: Jul 08 03:32:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

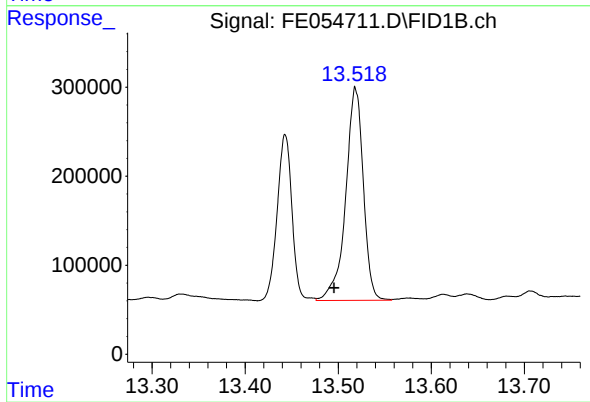




#9 ortho-Terphenyl (SURR)

R.T.: 12.081 min
Delta R.T.: 0.022 min
Response: 3529928
Conc: 21.74 ug/ml

Instrument :
FID_E
ClientSampleId :
G1(0-6)



#12 1-chlorooctadecane (SURR)

R.T.: 13.519 min
Delta R.T.: 0.023 min
Response: 3147803
Conc: 24.92 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054711.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jul 2025 18:02
 Sample : Q2487-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.834	2.804	2.876	BV	949	12746	0.28%	0.009%
2	2.906	2.876	2.944	PV	797	14337	0.32%	0.010%
3	2.949	2.944	3.012	VV	286	6850	0.15%	0.005%
4	3.028	3.012	3.039	PV	229	2689	0.06%	0.002%
5	3.050	3.039	3.094	VV	270	4781	0.11%	0.003%
6	3.108	3.094	3.131	VV	301	3948	0.09%	0.003%
7	3.149	3.131	3.208	PV	375	6164	0.14%	0.004%
8	3.233	3.208	3.260	VV	1039	13162	0.29%	0.009%
9	3.271	3.260	3.352	VV	352	9902	0.22%	0.007%
10	3.379	3.352	3.403	VV	341	6071	0.13%	0.004%
11	3.417	3.403	3.474	VV	703	10364	0.23%	0.007%
12	3.488	3.474	3.511	VV	253	2639	0.06%	0.002%
13	3.528	3.511	3.544	VV	409	5297	0.12%	0.004%
14	3.561	3.544	3.577	VV	404	5739	0.13%	0.004%
15	3.600	3.577	3.681	VV	6146	63982	1.42%	0.043%
16	3.699	3.681	3.724	PV	300	4136	0.09%	0.003%
17	3.754	3.724	3.838	VV	14245	198139	4.39%	0.132%
18	3.888	3.838	3.939	VV	5581	64144	1.42%	0.043%
19	3.954	3.939	3.980	PV	155	2629	0.06%	0.002%
20	4.003	3.980	4.040	VV	3908	38659	0.86%	0.026%
21	4.054	4.040	4.070	VV	350	5123	0.11%	0.003%
22	4.093	4.070	4.181	VV	12101	121380	2.69%	0.081%
23	4.203	4.181	4.234	PV	500	10094	0.22%	0.007%
24	4.266	4.234	4.321	VV	997	22468	0.50%	0.015%
25	4.326	4.321	4.361	VV	290	3084	0.07%	0.002%
26	4.399	4.361	4.423	VV	1726	26790	0.59%	0.018%
27	4.438	4.423	4.486	VV	985	18255	0.40%	0.012%
28	4.507	4.486	4.523	VV	587	7313	0.16%	0.005%
29	4.534	4.523	4.550	VV	259	2902	0.06%	0.002%
30	4.560	4.550	4.593	VV	189	3053	0.07%	0.002%
31	4.624	4.593	4.658	VV	198	4264	0.09%	0.003%
32	4.677	4.658	4.698	VV	1190	13110	0.29%	0.009%
33	4.715	4.698	4.737	VV	436	6230	0.14%	0.004%
34	4.767	4.737	4.786	VV	518	9233	0.20%	0.006%
35	4.794	4.786	4.818	VV	1450	4285	0.09%	0.003%
36	4.844	4.818	4.864	PV	474	5613	0.12%	0.004%

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37	4.904	4.864	4.944	VV	453	10264	0.23%	0.007%	
38	4.962	4.944	4.981	VV	492	5631	0.12%	0.004%	
39	4.993	4.981	5.006	VV	237	2525	0.06%	0.002%	
40	5.018	5.006	5.030	VV	157	1706	0.04%	0.001%	
41	5.047	5.030	5.070	VV	271	4716	0.10%	0.003%	
42	5.096	5.070	5.111	VV	470	7393	0.16%	0.005%	
43	5.138	5.111	5.165	VV	515	10100	0.22%	0.007%	
44	5.193	5.165	5.220	VV	519	9870	0.22%	0.007%	
45	5.240	5.220	5.288	VV	239	7165	0.16%	0.005%	
46	5.294	5.288	5.318	VV	201	2344	0.05%	0.002%	
47	5.355	5.318	5.378	VV	230	4833	0.11%	0.003%	
48	5.388	5.378	5.417	VV	281	4553	0.10%	0.003%	
49	5.433	5.417	5.454	VV	317	3728	0.08%	0.002%	
50	5.470	5.454	5.482	VV	404	3650	0.08%	0.002%	
51	5.497	5.482	5.533	VV	514	7053	0.16%	0.005%	
52	5.554	5.533	5.585	VV	2338	27627	0.61%	0.018%	
53	5.623	5.585	5.646	VV	824	12927	0.29%	0.009%	
54	5.695	5.646	5.721	VV	444	9983	0.22%	0.007%	
55	5.728	5.721	5.735	VV	147	919	0.02%	0.001%	
56	5.741	5.735	5.754	VV	129	1192	0.03%	0.001%	
57	5.764	5.754	5.784	VV	187	1545	0.03%	0.001%	
58	5.818	5.784	5.835	PV	1758	20085	0.44%	0.013%	
59	5.852	5.835	5.907	VV	831	14584	0.32%	0.010%	
60	5.937	5.907	5.984	VV	225	5767	0.13%	0.004%	
61	6.012	5.984	6.061	VV	649	11581	0.26%	0.008%	
62	6.093	6.061	6.108	VV	198	4255	0.09%	0.003%	
63	6.134	6.108	6.160	VV	442	9029	0.20%	0.006%	
64	6.172	6.160	6.194	VV	158	2962	0.07%	0.002%	
65	6.210	6.194	6.228	VV	289	2913	0.06%	0.002%	
66	6.236	6.228	6.254	VV	183	2131	0.05%	0.001%	
67	6.264	6.254	6.284	VV	173	2030	0.04%	0.001%	
68	6.300	6.284	6.326	VV	261	3025	0.07%	0.002%	
69	6.356	6.326	6.378	VV	406	7081	0.16%	0.005%	
70	6.396	6.378	6.437	VV	4620	49328	1.09%	0.033%	
71	6.448	6.437	6.472	VV	479	5779	0.13%	0.004%	
72	6.499	6.472	6.521	VV	438	7781	0.17%	0.005%	
73	6.557	6.521	6.614	VV	469	15257	0.34%	0.010%	
74	6.639	6.614	6.673	VV	405	10203	0.23%	0.007%	
75	6.692	6.673	6.713	VV	734	9613	0.21%	0.006%	
76	6.738	6.713	6.749	VV	263	4137	0.09%	0.003%	
77	6.774	6.749	6.824	VV	316	9525	0.21%	0.006%	
78	6.853	6.824	6.896	VV	1830	23680	0.52%	0.016%	
79	6.931	6.896	6.962	VV	677	11429	0.25%	0.008%	
80	6.971	6.962	6.983	VV	250	2788	0.06%	0.002%	
81	7.008	6.983	7.028	VV	738	9931	0.22%	0.007%	
82	7.053	7.028	7.094	VV	405	7719	0.17%	0.005%	
83	7.140	7.094	7.161	PV	261	4620	0.10%	0.003%	
84	7.186	7.161	7.214	VV	316	5587	0.12%	0.004%	
85	7.225	7.214	7.235	VV	146	1219	0.03%	0.001%	
86	7.267	7.235	7.309	VV	493	9270	0.21%	0.006%	
87	7.367	7.309	7.382	VV	634	12189	0.27%	0.008%	
88	7.391	7.382	7.414	VV	466	7480	0.17%	0.005%	
89	7.431	7.414	7.455	VV	528	8624	0.19%	0.006%	

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90	7.496	7.455	7.519	VV	2825	34512	0.76%	0.023%
91	7.538	7.519	7.557	VV	377	6576	0.15%	0.004%
92	7.579	7.557	7.615	VV	1088	17691	0.39%	0.012%
93	7.636	7.615	7.661	VV	2409	25127	0.56%	0.017%
94	7.675	7.661	7.698	VV	596	8116	0.18%	0.005%
95	7.703	7.698	7.738	VV	332	4857	0.11%	0.003%
96	7.804	7.738	7.835	VV	2230	36495	0.81%	0.024%
97	7.849	7.835	7.867	VV	309	4032	0.09%	0.003%
98	7.897	7.867	7.914	VV	282	6143	0.14%	0.004%
99	7.944	7.914	7.959	VV	235	4691	0.10%	0.003%
100	7.983	7.959	8.018	VV	569	11025	0.24%	0.007%
101	8.027	8.018	8.061	VV	316	4366	0.10%	0.003%
102	8.239	8.195	8.281	VV	1702	35246	0.78%	0.024%
103	8.291	8.281	8.318	VV	444	6461	0.14%	0.004%
104	8.337	8.318	8.358	VV	445	5932	0.13%	0.004%
105	8.400	8.358	8.414	VV	1111	20315	0.45%	0.014%
106	8.431	8.414	8.481	VV	1258	27739	0.61%	0.019%
107	8.510	8.481	8.551	VV	2273	40455	0.90%	0.027%
108	8.581	8.551	8.596	VV	1116	18736	0.41%	0.013%
109	8.619	8.596	8.634	VV	3613	43553	0.96%	0.029%
110	8.647	8.634	8.662	VV	2203	24304	0.54%	0.016%
111	8.689	8.662	8.722	VV	4243	69578	1.54%	0.046%
112	8.735	8.722	8.755	VV	621	8898	0.20%	0.006%
113	8.809	8.755	8.842	VV	6974	111820	2.48%	0.075%
114	8.861	8.842	8.880	VV	1584	20432	0.45%	0.014%
115	8.897	8.880	8.930	VV	1026	15634	0.35%	0.010%
116	8.946	8.930	8.962	VV	569	7063	0.16%	0.005%
117	9.055	9.038	9.071	VV	1023	14284	0.32%	0.010%
118	9.106	9.071	9.129	VV	12278	141227	3.13%	0.094%
119	9.159	9.129	9.186	VV	2468	50129	1.11%	0.033%
120	9.195	9.186	9.207	VV	985	11897	0.26%	0.008%
121	9.229	9.207	9.278	VV	2616	46397	1.03%	0.031%
122	9.294	9.278	9.304	VV	458	6578	0.15%	0.004%
123	9.349	9.304	9.365	VV	3143	48856	1.08%	0.033%
124	9.381	9.365	9.402	VV	5095	54252	1.20%	0.036%
125	9.424	9.402	9.461	VV	2051	43004	0.95%	0.029%
126	9.473	9.461	9.489	VV	952	11964	0.26%	0.008%
127	9.520	9.489	9.541	VV	5383	65362	1.45%	0.044%
128	9.560	9.541	9.601	VV	2273	33959	0.75%	0.023%
129	9.614	9.601	9.641	VV	457	5868	0.13%	0.004%
130	9.677	9.641	9.694	PV	1932	23563	0.52%	0.016%
131	9.709	9.694	9.751	VV	1764	21580	0.48%	0.014%
132	9.761	9.751	9.776	VV	540	4985	0.11%	0.003%
133	9.814	9.776	9.836	VV	2210	32859	0.73%	0.022%
134	9.857	9.836	9.874	VV	822	13469	0.30%	0.009%
135	9.898	9.874	9.951	VV	12109	147912	3.27%	0.099%
136	9.978	9.951	10.006	VV	3408	60041	1.33%	0.040%
137	10.021	10.006	10.031	VV	1993	22374	0.50%	0.015%
138	10.050	10.031	10.070	VV	4524	62198	1.38%	0.042%
139	10.079	10.070	10.093	VV	1419	15914	0.35%	0.011%
140	10.111	10.093	10.151	VV	2743	42827	0.95%	0.029%
141	10.177	10.151	10.202	VV	23437	241914	5.35%	0.162%

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142	10.223	10.202	10.284	VV	3602	76709	1.70%	0.051%
143	10.306	10.284	10.370	VV	4619	107636	2.38%	0.072%
144	10.390	10.370	10.408	VV	1080	18639	0.41%	0.012%
145	10.420	10.408	10.448	VV	1104	15578	0.34%	0.010%
146	10.489	10.448	10.564	VV	948	23065	0.51%	0.015%
147	10.584	10.564	10.603	PV	680	8156	0.18%	0.005%
148	10.652	10.603	10.675	VV	3247	48894	1.08%	0.033%
149	10.698	10.675	10.722	VV	2650	42540	0.94%	0.028%
150	10.758	10.722	10.769	VV	2995	49871	1.10%	0.033%
151	10.786	10.769	10.809	VV	4953	65662	1.45%	0.044%
152	10.828	10.809	10.869	VV	3609	52086	1.15%	0.035%
153	10.904	10.869	10.938	VV	3552	67815	1.50%	0.045%
154	10.958	10.938	10.990	VV	5499	83662	1.85%	0.056%
155	11.002	10.990	11.017	VV	1369	17244	0.38%	0.012%
156	11.046	11.017	11.063	VV	5108	70279	1.56%	0.047%
157	11.075	11.063	11.089	VV	3166	36194	0.80%	0.024%
158	11.114	11.089	11.174	VV	7957	160976	3.56%	0.108%
159	11.207	11.174	11.225	VV	1821	35651	0.79%	0.024%
160	11.246	11.225	11.259	VV	1015	16436	0.36%	0.011%
161	11.312	11.259	11.357	VV	144002	1532433	33.92%	1.024%
162	11.386	11.357	11.428	VV	32433	372220	8.24%	0.249%
163	11.443	11.428	11.474	VV	1574	30675	0.68%	0.020%
164	11.486	11.474	11.513	VV	1287	23258	0.51%	0.016%
165	11.525	11.513	11.540	VV	804	10333	0.23%	0.007%
166	11.558	11.540	11.577	VV	2310	29750	0.66%	0.020%
167	11.597	11.577	11.642	VV	7139	100743	2.23%	0.067%
168	11.676	11.642	11.694	PV	1673	35250	0.78%	0.024%
169	11.711	11.694	11.731	VV	1855	35203	0.78%	0.024%
170	11.753	11.731	11.774	VV	4726	62509	1.38%	0.042%
171	11.847	11.774	11.881	VV	7332	159407	3.53%	0.106%
172	11.913	11.881	11.934	VV	2639	39083	0.87%	0.026%
173	11.967	11.934	11.986	VV	2939	46859	1.04%	0.031%
174	12.006	11.986	12.028	VV	2190	32919	0.73%	0.022%
175	12.081	12.028	12.104	VV	328425	3532501	78.19%	2.360%
176	12.119	12.104	12.134	VV	22133	234548	5.19%	0.157%
177	12.149	12.134	12.184	VV	27756	302542	6.70%	0.202%
178	12.235	12.184	12.252	VV	21152	334889	7.41%	0.224%
179	12.268	12.252	12.283	VV	15816	176419	3.90%	0.118%
180	12.300	12.283	12.328	VV	20368	234716	5.20%	0.157%
181	12.338	12.328	12.344	VV	273	1384	0.03%	0.001%
182	12.372	12.344	12.394	PV	1220	19704	0.44%	0.013%
183	12.426	12.394	12.449	VV	4746	80799	1.79%	0.054%
184	12.475	12.449	12.495	VV	10210	124279	2.75%	0.083%
185	12.514	12.495	12.546	VV	2245	48019	1.06%	0.032%
186	12.553	12.546	12.564	VV	742	6734	0.15%	0.004%
187	12.589	12.564	12.611	VV	14328	160163	3.55%	0.107%
188	12.623	12.611	12.636	VV	1491	17993	0.40%	0.012%
189	12.670	12.636	12.713	VV	22914	311351	6.89%	0.208%
190	12.739	12.713	12.759	VV	4030	62520	1.38%	0.042%
191	12.770	12.759	12.782	VV	1385	15455	0.34%	0.010%
192	12.843	12.782	12.894	VV	4643	135591	3.00%	0.091%
193	12.913	12.894	12.950	VV	6784	109768	2.43%	0.073%
194	12.972	12.950	13.000	PV	6954	100755	2.23%	0.067%

					rteres			
195	13.024	13.000	13.042	VV	16959	213899	4.73%	0.143%
196	13.065	13.042	13.079	VV	9725	159364	3.53%	0.106%
197	13.086	13.079	13.108	VV	7536	83521	1.85%	0.056%
198	13.142	13.108	13.181	VV	199185	2219318	49.12%	1.483%
199	13.202	13.181	13.221	VV	1588	18622	0.41%	0.012%
200	13.238	13.221	13.249	PV	1599	15941	0.35%	0.011%
201	13.297	13.249	13.312	VV	4583	99253	2.20%	0.066%
202	13.332	13.312	13.414	VV	8117	217661	4.82%	0.145%
203	13.443	13.414	13.476	VV	186654	2069658	45.81%	1.383%
204	13.519	13.476	13.558	VV	238852	3151991	69.77%	2.106%
205	13.576	13.558	13.591	VV	2323	33878	0.75%	0.023%
206	13.613	13.591	13.625	VV	6207	79655	1.76%	0.053%
207	13.639	13.625	13.663	VV	6649	89473	1.98%	0.060%
208	13.707	13.663	13.728	PV	9348	163266	3.61%	0.109%
209	13.745	13.728	13.758	VV	3381	54487	1.21%	0.036%
210	13.773	13.758	13.803	VV	4809	79001	1.75%	0.053%
211	13.838	13.803	13.854	VV	5350	70618	1.56%	0.047%
212	13.865	13.854	13.877	VV	3117	33987	0.75%	0.023%
213	13.905	13.877	13.978	VV	16374	315823	6.99%	0.211%
214	14.031	13.978	14.070	VV	29780	462035	10.23%	0.309%
215	14.098	14.070	14.114	VV	2253	34666	0.77%	0.023%
216	14.140	14.114	14.160	VV	15452	201630	4.46%	0.135%
217	14.179	14.160	14.201	VV	15455	190908	4.23%	0.128%
218	14.221	14.201	14.247	VV	5002	81118	1.80%	0.054%
219	14.310	14.247	14.331	VV	16111	359865	7.97%	0.240%
220	14.351	14.331	14.386	VV	14524	180970	4.01%	0.121%
221	14.420	14.386	14.441	VV	4021	68286	1.51%	0.046%
222	14.508	14.441	14.529	VV	2613	85666	1.90%	0.057%
223	14.543	14.529	14.551	VV	1160	13359	0.30%	0.009%
224	14.563	14.551	14.581	VV	1262	16884	0.37%	0.011%
225	14.668	14.581	14.684	PV	1177	40004	0.89%	0.027%
226	14.736	14.684	14.747	VV	4496	122692	2.72%	0.082%
227	14.767	14.747	14.818	VV	13074	194568	4.31%	0.130%
228	14.837	14.818	14.858	VV	4513	69946	1.55%	0.047%
229	14.875	14.858	14.901	VV	4012	67822	1.50%	0.045%
230	14.949	14.901	14.989	VV	11193	237316	5.25%	0.159%
231	15.013	14.989	15.035	VV	25253	315252	6.98%	0.211%
232	15.070	15.035	15.097	VV	12473	220286	4.88%	0.147%
233	15.108	15.097	15.118	VV	1459	13946	0.31%	0.009%
234	15.138	15.118	15.158	VV	2848	45531	1.01%	0.030%
235	15.196	15.158	15.234	VV	4036	100334	2.22%	0.067%
236	15.275	15.234	15.291	VV	5107	63708	1.41%	0.043%
237	15.325	15.291	15.346	VV	88620	1090204	24.13%	0.728%
238	15.368	15.346	15.397	VV	90044	1055987	23.37%	0.705%
239	15.414	15.397	15.440	VV	3569	55877	1.24%	0.037%
240	15.488	15.440	15.511	VV	18960	311793	6.90%	0.208%
241	15.524	15.511	15.543	VV	4344	69462	1.54%	0.046%
242	15.562	15.543	15.597	VV	5820	107930	2.39%	0.072%
243	15.627	15.597	15.654	PV	6267	127874	2.83%	0.085%
244	15.669	15.654	15.726	VV	6135	156303	3.46%	0.104%
245	15.761	15.726	15.790	VV	12376	219554	4.86%	0.147%
246	15.807	15.790	15.829	VV	3701	65848	1.46%	0.044%

					rteres			
247	15.839	15.829	15.857	VV	1512	16974	0.38%	0.011%
248	15.902	15.857	15.935	PV	5188	109383	2.42%	0.073%
249	15.957	15.935	15.974	VV	4863	68591	1.52%	0.046%
250	16.001	15.974	16.021	VV	21888	273872	6.06%	0.183%
251	16.038	16.021	16.069	VV	9883	136379	3.02%	0.091%
252	16.085	16.069	16.097	VV	3395	42216	0.93%	0.028%
253	16.160	16.097	16.201	VV	11973	359718	7.96%	0.240%
254	16.239	16.201	16.261	VV	6578	86062	1.90%	0.057%
255	16.288	16.261	16.300	PV	2705	33394	0.74%	0.022%
256	16.323	16.300	16.340	VV	4805	64124	1.42%	0.043%
257	16.357	16.340	16.376	VV	4416	48085	1.06%	0.032%
258	16.402	16.376	16.476	VV	5150	161446	3.57%	0.108%
259	16.532	16.476	16.558	PV	1050	32445	0.72%	0.022%
260	16.610	16.558	16.652	VV	7164	181118	4.01%	0.121%
261	16.674	16.652	16.688	VV	5148	72191	1.60%	0.048%
262	16.708	16.688	16.735	VV	6529	136307	3.02%	0.091%
263	16.813	16.735	16.840	VV	9644	319264	7.07%	0.213%
264	16.891	16.840	16.951	PV	89536	1741334	38.54%	1.163%
265	17.020	16.951	17.045	VV	29163	542022	12.00%	0.362%
266	17.066	17.045	17.075	VV	7922	132052	2.92%	0.088%
267	17.080	17.075	17.093	VV	7068	59030	1.31%	0.039%
268	17.112	17.093	17.130	VV	8408	130284	2.88%	0.087%
269	17.214	17.130	17.241	VV	59050	1154417	25.55%	0.771%
270	17.271	17.241	17.311	VV	77660	1062972	23.53%	0.710%
271	17.373	17.311	17.414	VV	27219	853194	18.88%	0.570%
272	17.425	17.414	17.454	VV	12747	254067	5.62%	0.170%
273	17.472	17.454	17.481	VV	10193	147645	3.27%	0.099%
274	17.579	17.481	17.594	VV	12948	747255	16.54%	0.499%
275	17.631	17.594	17.659	VV	18507	603584	13.36%	0.403%
276	17.683	17.659	17.718	VV	17263	519267	11.49%	0.347%
277	17.800	17.718	17.830	VV	30196	1202552	26.62%	0.803%
278	17.857	17.830	17.874	VV	20475	425263	9.41%	0.284%
279	17.889	17.874	17.913	VV	19588	379903	8.41%	0.254%
280	17.936	17.913	17.964	VV	25748	571448	12.65%	0.382%
281	17.994	17.964	18.013	VV	18419	431768	9.56%	0.288%
282	18.023	18.013	18.038	VV	14421	195112	4.32%	0.130%
283	18.057	18.038	18.075	VV	12816	260696	5.77%	0.174%
284	18.123	18.075	18.134	VV	13805	442548	9.80%	0.296%
285	18.162	18.134	18.193	VV	19262	586638	12.98%	0.392%
286	18.247	18.193	18.287	VV	37109	1351985	29.92%	0.903%
287	18.317	18.287	18.340	VV	21931	582191	12.89%	0.389%
288	18.412	18.340	18.474	VV	41125	2022563	44.77%	1.351%
289	18.485	18.474	18.494	VV	18760	228542	5.06%	0.153%
290	18.502	18.494	18.522	VV	20592	314248	6.96%	0.210%
291	18.554	18.522	18.593	VV	31143	992706	21.97%	0.663%
292	18.612	18.593	18.628	VV	29399	559347	12.38%	0.374%
293	18.647	18.628	18.711	VV	63076	1824498	40.38%	1.219%
294	18.781	18.711	18.801	VV	51748	1666635	36.89%	1.113%
295	18.810	18.801	18.868	VV	35538	1058374	23.43%	0.707%
296	18.903	18.868	18.958	VV	64621	1793599	39.70%	1.198%
297	18.988	18.958	18.998	VV	27771	596928	13.21%	0.399%
298	19.034	18.998	19.053	VV	35597	950761	21.04%	0.635%
299	19.081	19.053	19.124	VV	44235	1351350	29.91%	0.903%

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300	19.163	19.124	19.178	VV	29511	846036	18.73%	0.565%
301	19.205	19.178	19.226	VV	44404	1010733	22.37%	0.675%
302	19.254	19.226	19.281	VV	42215	1141689	25.27%	0.763%
303	19.339	19.281	19.349	VV	35298	1274206	28.20%	0.851%
304	19.379	19.349	19.398	VV	36152	966043	21.38%	0.645%
305	19.446	19.398	19.457	VV	38597	1263377	27.96%	0.844%
306	19.479	19.457	19.515	VV	54003	1482069	32.80%	0.990%
307	19.535	19.515	19.560	VV	44598	1078139	23.86%	0.720%
308	19.604	19.560	19.645	VV	48569	2204952	48.80%	1.473%
309	19.678	19.645	19.694	VV	43804	1200838	26.58%	0.802%
310	19.737	19.694	19.758	VV	44993	1650463	36.53%	1.103%
311	19.774	19.758	19.830	VV	44887	1867017	41.32%	1.247%
312	19.867	19.830	19.901	VV	61548	2037420	45.10%	1.361%
313	19.921	19.901	19.950	VV	53386	1446279	32.01%	0.966%
314	20.002	19.950	20.033	VV	58896	2584867	57.21%	1.727%
315	20.064	20.033	20.103	VV	69508	2507409	55.50%	1.675%
316	20.134	20.103	20.181	VV	71112	2893289	64.04%	1.933%
317	20.189	20.181	20.203	VV	61429	799182	17.69%	0.534%
318	20.241	20.203	20.271	VV	87251	2867505	63.47%	1.916%
319	20.314	20.271	20.339	VV	67674	2647998	58.61%	1.769%
320	20.347	20.339	20.383	VV	66804	1628817	36.05%	1.088%
321	20.446	20.383	20.473	VV	86168	3869863	85.66%	2.585%
322	20.535	20.473	20.545	VV	81364	3206487	70.97%	2.142%
323	20.551	20.545	20.561	VV	80356	770564	17.06%	0.515%
324	20.612	20.561	20.644	VV	91372	4134886	91.52%	2.762%
325	20.694	20.644	20.734	VV	88282	4517920	100.00%	3.018%
326	20.740	20.734	20.750	VV	83246	752371	16.65%	0.503%
327	20.770	20.750	20.784	VV	84496	1633152	36.15%	1.091%
328	20.797	20.784	20.821	VV	83922	1802784	39.90%	1.204%
329	20.826	20.821	20.911	VV	80634	4050103	89.65%	2.706%
330	20.922	20.911	20.938	VV	70357	1106755	24.50%	0.739%
331	20.978	20.938	21.021	VV	82419	3643157	80.64%	2.434%
332	21.043	21.021	21.104	VV	68286	3158582	69.91%	2.110%
333	21.125	21.104	21.154	VV	63935	1855834	41.08%	1.240%
334	21.178	21.154	21.202	VV	62924	1716053	37.98%	1.146%
335	21.230	21.202	21.291	VV	63207	3204925	70.94%	2.141%
336	21.300	21.291	21.323	VV	58254	1069877	23.68%	0.715%
337	21.347	21.323	21.368	VV	57457	1499628	33.19%	1.002%
338	21.391	21.368	21.468	VV	61754	2990313	66.19%	1.998%
339	21.494	21.468	21.556	VV	47812	2187094	48.41%	1.461%
340	21.585	21.556	21.594	VV	41902	909884	20.14%	0.608%
341	21.621	21.594	21.685	VV	42488	2040450	45.16%	1.363%
342	21.695	21.685	21.780	VV	35353	1730154	38.30%	1.156%
343	21.807	21.780	21.829	VV	29722	761346	16.85%	0.509%
344	21.879	21.829	21.898	VV	30877	1194162	26.43%	0.798%
345	21.906	21.898	21.934	VV	26933	553518	12.25%	0.370%
346	21.962	21.934	21.999	VV	22745	751943	16.64%	0.502%
347	22.009	21.999	22.068	VV	15321	460327	10.19%	0.308%
348	22.089	22.068	22.175	VV	11693	468700	10.37%	0.313%
349	22.203	22.175	22.216	VV	4230	76831	1.70%	0.051%
350	22.241	22.216	22.284	PV	6582	133204	2.95%	0.089%

Sum of corrected areas: 149686545

rteres

Aliphatic EPH 062725.M Tue Jul 08 05:05:49 2025

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G1(0-6)DL	SDG No.:	Q2487
Lab Sample ID:	Q2487-15DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054733.D	5	07/03/25	07/08/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	14.9	J	5.63	24.8	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	73.4		7.31	12.4	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	5.03		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	4.40		40 - 140	44%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2487-15DL	Acq On:	08 Jul 2025 10:25
Client Sample ID:	G1(0-6)DL	Operator:	YP\AJ
Data file:	FE054733.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.956	428862	3.152	300	ug/ml
Aliphatic C12-C16	6.957	10.409	822012	5.848	200	ug/ml
Aliphatic C16-C21	10.410	13.786	2399683	16.619	300	ug/ml
Aliphatic C21-C28	13.787	17.458	2834995	19.599	400	ug/ml
Aliphatic C28-C40	17.459	22.482	24651780	177.802	600	ug/ml
Aliphatic EPH	3.323	22.482	31137332	223.02		ug/ml
ortho-Terphenyl (SURR)	12.081	12.081	713950	4.4		ug/ml
1-chlorooctadecane (SURR)	13.518	13.518	635363	5.03		ug/ml
Aliphatic C9-C28	3.323	17.458	6485552	45.218	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
 Data File : FE054733.D
 Signal(s) : FID1B.ch
 Acq On : 08 Jul 2025 10:25
 Operator : YP\AJ
 Sample : Q2487-15DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 G1(0-6)DL

Integration File: autoint1.e
 Quant Time: Jul 09 06:36:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 08 07:45:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.081	713950	4.396 ug/ml
Spiked Amount 50.000		Recovery =	8.79%
12) S 1-chlorooctadecane (S...	13.518	635363	5.031 ug/ml
Spiked Amount 50.000		Recovery =	10.06%

Target Compounds

(f)=RT Delta > 1/2 Window

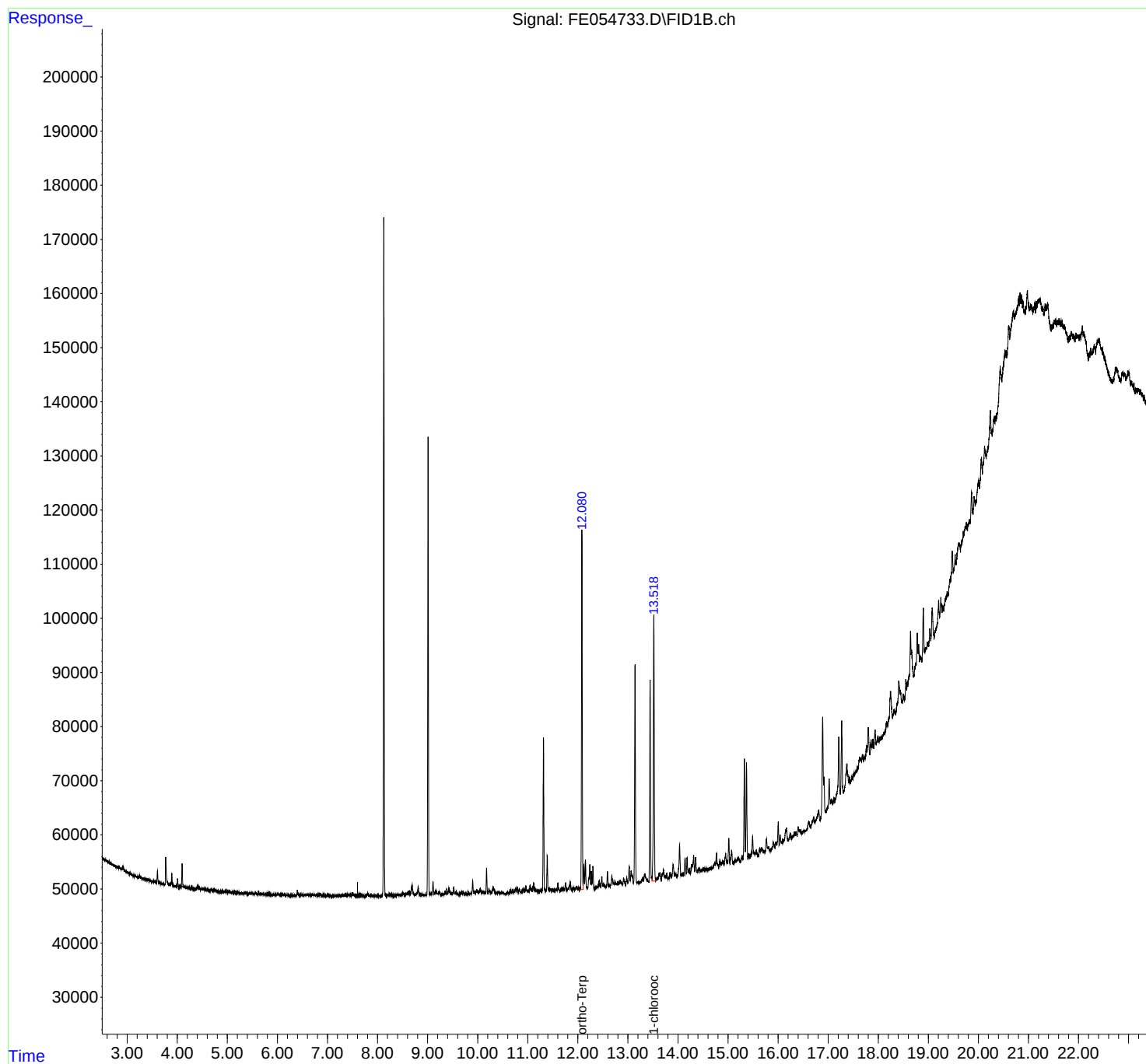
(m)=manual int.

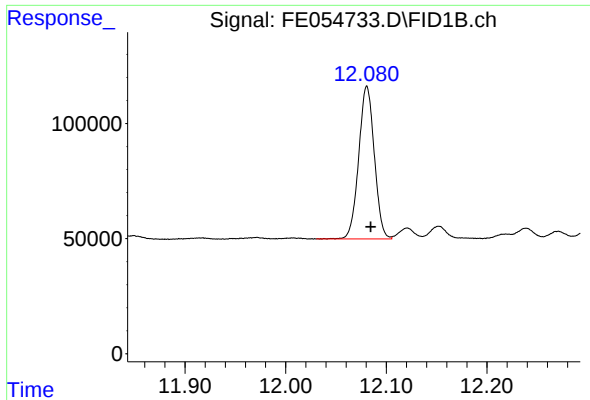
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
Data File : FE054733.D
Signal(s) : FID1B.ch
Acq On : 08 Jul 2025 10:25
Operator : YP\AJ
Sample : Q2487-15DL 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
G1(0-6)DL

Integration File: autoint1.e
Quant Time: Jul 09 06:36:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Tue Jul 08 07:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

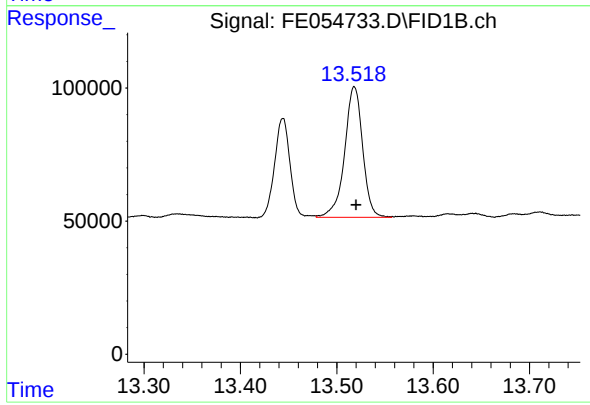




#9 ortho-Terphenyl (SURR)

R.T.: 12.081 min
Delta R.T.: -0.004 min
Response: 713950
Conc: 4.40 ug/ml

Instrument :
FID_E
ClientSampleId :
G1(0-6)DL



#12 1-chlorooctadecane (SURR)

R.T.: 13.518 min
Delta R.T.: -0.002 min
Response: 635363
Conc: 5.03 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
 Data File : FE054733.D
 Signal(s) : FID1B.ch
 Acq On : 08 Jul 2025 10:25
 Sample : Q2487-15DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.842	2.805	2.893	BV	256	3989	0.20%	0.012%
2	2.911	2.893	3.141	VV	686	14300	0.70%	0.044%
3	3.157	3.141	3.227	PV	149	4006	0.20%	0.012%
4	3.242	3.227	3.309	VV	465	7047	0.35%	0.022%
5	3.319	3.309	3.372	PV	147	2226	0.11%	0.007%
6	3.392	3.372	3.487	VV	190	7914	0.39%	0.024%
7	3.497	3.487	3.517	PV	153	1294	0.06%	0.004%
8	3.534	3.517	3.565	VV	240	3201	0.16%	0.010%
9	3.570	3.565	3.583	VV	130	1165	0.06%	0.004%
10	3.604	3.583	3.635	VV	2139	20979	1.03%	0.065%
11	3.648	3.635	3.694	VV	95	2132	0.10%	0.007%
12	3.707	3.694	3.751	VV	176	3037	0.15%	0.009%
13	3.769	3.751	3.845	PV	5168	67371	3.31%	0.207%
14	3.891	3.845	3.942	VV	2267	28018	1.38%	0.086%
15	3.950	3.942	3.961	VV	165	615	0.03%	0.002%
16	3.968	3.961	3.985	VV	65	762	0.04%	0.002%
17	4.007	3.985	4.042	VV	1418	13913	0.68%	0.043%
18	4.098	4.042	4.194	PV	4333	46513	2.29%	0.143%
19	4.207	4.194	4.265	VV	156	4743	0.23%	0.015%
20	4.277	4.265	4.298	VV	215	3117	0.15%	0.010%
21	4.314	4.298	4.351	VV	159	3064	0.15%	0.009%
22	4.365	4.351	4.374	PV	96	816	0.04%	0.003%
23	4.404	4.374	4.424	VV	760	10920	0.54%	0.034%
24	4.439	4.424	4.493	VV	561	10558	0.52%	0.032%
25	4.513	4.493	4.525	VV	262	2887	0.14%	0.009%
26	4.537	4.525	4.585	VV	245	5152	0.25%	0.016%
27	4.601	4.585	4.615	VV	168	2061	0.10%	0.006%
28	4.622	4.615	4.656	VV	158	2971	0.15%	0.009%
29	4.681	4.656	4.705	VV	317	4976	0.24%	0.015%
30	4.718	4.705	4.737	VV	194	2668	0.13%	0.008%
31	4.750	4.737	4.766	VV	213	2796	0.14%	0.009%
32	4.775	4.766	4.818	VV	205	3837	0.19%	0.012%
33	4.839	4.818	4.890	PV	162	2929	0.14%	0.009%
34	4.908	4.890	4.938	VV	160	3245	0.16%	0.010%
35	4.967	4.938	4.985	VV	197	3308	0.16%	0.010%
36	4.998	4.985	5.073	VV	138	4899	0.24%	0.015%

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37	5.096	5.073	5.125	VV	161	3934	0.19%	0.012%
38	5.138	5.125	5.191	VV	201	4666	0.23%	0.014%
39	5.204	5.191	5.215	VV	168	1647	0.08%	0.005%
40	5.220	5.215	5.248	VV	106	1434	0.07%	0.004%
41	5.259	5.248	5.268	VV	97	922	0.05%	0.003%
42	5.270	5.268	5.328	VV	118	2672	0.13%	0.008%
43	5.371	5.328	5.385	VV	204	3625	0.18%	0.011%
44	5.389	5.385	5.421	VV	145	1826	0.09%	0.006%
45	5.429	5.421	5.458	VV	99	1762	0.09%	0.005%
46	5.468	5.458	5.484	PV	177	1682	0.08%	0.005%
47	5.497	5.484	5.534	VV	193	3120	0.15%	0.010%
48	5.561	5.534	5.586	PV	396	5639	0.28%	0.017%
49	5.599	5.586	5.611	VV	140	1548	0.08%	0.005%
50	5.625	5.611	5.688	VV	293	5995	0.29%	0.018%
51	5.701	5.688	5.743	VV	116	2600	0.13%	0.008%
52	5.748	5.743	5.761	VV	85	582	0.03%	0.002%
53	5.772	5.761	5.799	VV	108	1523	0.07%	0.005%
54	5.820	5.799	5.836	VV	469	5296	0.26%	0.016%
55	5.844	5.836	5.851	VV	140	1404	0.07%	0.004%
56	5.860	5.851	5.911	VV	213	3101	0.15%	0.010%
57	5.934	5.911	5.955	VV	135	1989	0.10%	0.006%
58	5.962	5.955	5.985	VV	89	1095	0.05%	0.003%
59	6.012	5.985	6.105	VV	248	8196	0.40%	0.025%
60	6.116	6.105	6.178	VV	192	4871	0.24%	0.015%
61	6.186	6.178	6.195	VV	102	794	0.04%	0.002%
62	6.204	6.195	6.222	VV	156	1448	0.07%	0.004%
63	6.229	6.222	6.245	PV	67	724	0.04%	0.002%
64	6.250	6.245	6.331	VV	69	3817	0.19%	0.012%
65	6.364	6.331	6.375	VV	168	2808	0.14%	0.009%
66	6.398	6.375	6.438	VV	1052	13096	0.64%	0.040%
67	6.444	6.438	6.458	VV	182	1978	0.10%	0.006%
68	6.461	6.458	6.488	VV	207	2734	0.13%	0.008%
69	6.500	6.488	6.534	VV	202	5077	0.25%	0.016%
70	6.555	6.534	6.588	VV	265	6756	0.33%	0.021%
71	6.604	6.588	6.615	VV	237	3054	0.15%	0.009%
72	6.641	6.615	6.675	VV	301	7013	0.34%	0.022%
73	6.691	6.675	6.728	VV	271	6265	0.31%	0.019%
74	6.738	6.728	6.761	VV	217	2981	0.15%	0.009%
75	6.802	6.761	6.835	VV	256	8499	0.42%	0.026%
76	6.853	6.835	6.905	VV	495	10434	0.51%	0.032%
77	6.932	6.905	6.971	VV	297	8394	0.41%	0.026%
78	7.008	6.971	7.025	VV	265	6096	0.30%	0.019%
79	7.035	7.025	7.045	VV	194	1784	0.09%	0.005%
80	7.057	7.045	7.074	VV	191	2866	0.14%	0.009%
81	7.084	7.074	7.101	VV	172	2044	0.10%	0.006%
82	7.118	7.101	7.131	VV	161	2236	0.11%	0.007%
83	7.138	7.131	7.166	VV	185	3034	0.15%	0.009%
84	7.188	7.166	7.224	VV	255	6206	0.31%	0.019%
85	7.230	7.224	7.257	VV	188	3314	0.16%	0.010%
86	7.272	7.257	7.302	VV	272	5408	0.27%	0.017%
87	7.372	7.302	7.414	VV	495	20646	1.02%	0.063%
88	7.431	7.414	7.480	VV	412	13217	0.65%	0.041%
89	7.500	7.480	7.538	VV	858	15285	0.75%	0.047%

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90	7.542	7.538	7.558	VV	375	3727	0.18%	0.011%
91	7.577	7.558	7.621	VV	445	13914	0.68%	0.043%
92	7.637	7.621	7.661	VV	731	10651	0.52%	0.033%
93	7.678	7.661	7.715	VV	419	10526	0.52%	0.032%
94	7.720	7.715	7.747	VV	383	3706	0.18%	0.011%
95	7.805	7.747	7.869	PV	736	27646	1.36%	0.085%
96	7.884	7.869	7.895	VV	328	4724	0.23%	0.015%
97	7.906	7.895	7.918	VV	298	3552	0.17%	0.011%
98	7.947	7.918	7.961	VV	329	7093	0.35%	0.022%
99	7.983	7.961	8.018	VV	345	9401	0.46%	0.029%
100	8.032	8.018	8.075	VV	312	7097	0.35%	0.022%
101	8.192	8.175	8.210	VV	304	6260	0.31%	0.019%
102	8.241	8.210	8.287	VV	600	18148	0.89%	0.056%
103	8.295	8.287	8.325	VV	350	5762	0.28%	0.018%
104	8.346	8.325	8.364	VV	305	6068	0.30%	0.019%
105	8.433	8.364	8.485	VV	492	23502	1.16%	0.072%
106	8.511	8.485	8.546	VV	638	16002	0.79%	0.049%
107	8.588	8.546	8.604	VV	538	14343	0.71%	0.044%
108	8.621	8.604	8.636	VV	990	13310	0.65%	0.041%
109	8.649	8.636	8.665	VV	728	9706	0.48%	0.030%
110	8.689	8.665	8.754	VV	2064	47495	2.34%	0.146%
111	8.811	8.754	8.848	VV	1694	34897	1.72%	0.107%
112	8.863	8.848	8.891	VV	441	8522	0.42%	0.026%
113	8.899	8.891	8.965	VV	385	10399	0.51%	0.032%
114	9.108	9.042	9.132	VV	2592	40089	1.97%	0.123%
115	9.162	9.132	9.211	VV	801	24957	1.23%	0.077%
116	9.230	9.211	9.274	VV	698	15255	0.75%	0.047%
117	9.281	9.274	9.301	VV	259	3266	0.16%	0.010%
118	9.351	9.301	9.367	VV	795	14517	0.71%	0.045%
119	9.384	9.367	9.401	VV	1144	13783	0.68%	0.042%
120	9.425	9.401	9.465	VV	1459	27772	1.37%	0.085%
121	9.473	9.465	9.495	VV	398	5533	0.27%	0.017%
122	9.522	9.495	9.544	VV	1457	21185	1.04%	0.065%
123	9.563	9.544	9.642	VV	643	16364	0.80%	0.050%
124	9.681	9.642	9.696	VV	531	8889	0.44%	0.027%
125	9.712	9.696	9.746	VV	599	9965	0.49%	0.031%
126	9.759	9.746	9.775	VV	177	2877	0.14%	0.009%
127	9.816	9.775	9.844	VV	560	10823	0.53%	0.033%
128	9.856	9.844	9.872	VV	209	3156	0.16%	0.010%
129	9.901	9.872	9.951	VV	2606	36967	1.82%	0.114%
130	9.981	9.951	10.008	VV	901	18913	0.93%	0.058%
131	10.024	10.008	10.034	VV	576	7715	0.38%	0.024%
132	10.053	10.034	10.072	VV	1090	16162	0.79%	0.050%
133	10.082	10.072	10.096	VV	482	5883	0.29%	0.018%
134	10.114	10.096	10.144	VV	598	11383	0.56%	0.035%
135	10.178	10.144	10.205	VV	4872	53200	2.62%	0.164%
136	10.225	10.205	10.284	VV	956	22426	1.10%	0.069%
137	10.307	10.284	10.371	VV	1384	32345	1.59%	0.099%
138	10.422	10.371	10.470	VV	277	11113	0.55%	0.034%
139	10.487	10.470	10.541	VV	286	6746	0.33%	0.021%
140	10.550	10.541	10.568	VV	119	1309	0.06%	0.004%
141	10.587	10.568	10.630	PV	227	4502	0.22%	0.014%

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142	10.653	10.630	10.670	VV	707	9295	0.46%	0.029%
143	10.699	10.670	10.725	VV	713	13418	0.66%	0.041%
144	10.758	10.725	10.771	VV	884	16067	0.79%	0.049%
145	10.788	10.771	10.813	VV	1162	16979	0.84%	0.052%
146	10.830	10.813	10.875	VV	757	14324	0.70%	0.044%
147	10.906	10.875	10.937	VV	785	15702	0.77%	0.048%
148	10.960	10.937	10.995	VV	1321	22711	1.12%	0.070%
149	11.004	10.995	11.016	VV	440	4224	0.21%	0.013%
150	11.048	11.016	11.065	VV	1479	21164	1.04%	0.065%
151	11.077	11.065	11.091	VV	715	7773	0.38%	0.024%
152	11.117	11.091	11.141	VV	1732	28342	1.39%	0.087%
153	11.147	11.141	11.173	VV	620	8670	0.43%	0.027%
154	11.208	11.173	11.225	VV	379	7659	0.38%	0.024%
155	11.248	11.225	11.259	PV	274	3744	0.18%	0.012%
156	11.314	11.259	11.356	VV	28669	308142	15.16%	0.947%
157	11.389	11.356	11.430	VV	6723	76923	3.78%	0.236%
158	11.445	11.430	11.467	VV	542	8583	0.42%	0.026%
159	11.488	11.467	11.520	VV	408	9022	0.44%	0.028%
160	11.530	11.520	11.543	VV	195	2324	0.11%	0.007%
161	11.560	11.543	11.580	VV	469	6002	0.30%	0.018%
162	11.600	11.580	11.646	VV	1443	20198	0.99%	0.062%
163	11.683	11.646	11.699	VV	541	9805	0.48%	0.030%
164	11.714	11.699	11.733	VV	449	7196	0.35%	0.022%
165	11.754	11.733	11.776	VV	1352	17509	0.86%	0.054%
166	11.848	11.776	11.881	VV	1561	33654	1.66%	0.103%
167	11.916	11.881	11.941	PV	542	8396	0.41%	0.026%
168	11.970	11.941	11.991	VV	763	10845	0.53%	0.033%
169	12.007	11.991	12.026	VV	494	5859	0.29%	0.018%
170	12.081	12.026	12.105	VV	66187	715270	35.18%	2.199%
171	12.121	12.105	12.136	VV	4744	50246	2.47%	0.154%
172	12.152	12.136	12.194	VV	5463	64812	3.19%	0.199%
173	12.239	12.194	12.256	VV	4551	73934	3.64%	0.227%
174	12.270	12.256	12.285	VV	3186	36209	1.78%	0.111%
175	12.301	12.285	12.331	VV	4133	47792	2.35%	0.147%
176	12.341	12.331	12.348	PV	107	579	0.03%	0.002%
177	12.371	12.348	12.391	VV	305	4237	0.21%	0.013%
178	12.428	12.391	12.452	VV	1251	22385	1.10%	0.069%
179	12.478	12.452	12.505	VV	2074	27620	1.36%	0.085%
180	12.512	12.505	12.549	VV	522	9312	0.46%	0.029%
181	12.557	12.549	12.568	VV	182	1613	0.08%	0.005%
182	12.592	12.568	12.615	VV	2866	32672	1.61%	0.100%
183	12.625	12.615	12.638	VV	289	3493	0.17%	0.011%
184	12.679	12.638	12.725	VV	2041	42139	2.07%	0.130%
185	12.741	12.725	12.761	VV	933	13807	0.68%	0.042%
186	12.772	12.761	12.785	VV	453	5206	0.26%	0.016%
187	12.800	12.785	12.816	VV	698	8920	0.44%	0.027%
188	12.845	12.816	12.891	VV	1004	25442	1.25%	0.078%
189	12.915	12.891	12.953	VV	1351	23756	1.17%	0.073%
190	12.976	12.953	13.000	VV	1312	19326	0.95%	0.059%
191	13.026	13.000	13.045	VV	3355	45843	2.25%	0.141%
192	13.066	13.045	13.112	VV	2490	56476	2.78%	0.174%
193	13.143	13.112	13.179	VV	40218	445768	21.92%	1.371%
194	13.204	13.179	13.219	VV	378	5116	0.25%	0.016%

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195	13.298	13.219	13.313	PV	1066	23514	1.16%	0.072%
196	13.335	13.313	13.415	VV	1619	45941	2.26%	0.141%
197	13.444	13.415	13.477	VV	37539	418745	20.60%	1.287%
198	13.518	13.477	13.557	VV	49228	641666	31.56%	1.973%
199	13.579	13.557	13.594	VV	518	8503	0.42%	0.026%
200	13.616	13.594	13.628	VV	1295	16645	0.82%	0.051%
201	13.642	13.628	13.664	VV	1387	18571	0.91%	0.057%
202	13.684	13.664	13.693	PV	1178	12648	0.62%	0.039%
203	13.710	13.693	13.734	VV	1823	28075	1.38%	0.086%
204	13.745	13.734	13.761	VV	605	8158	0.40%	0.025%
205	13.777	13.761	13.803	VV	1072	13980	0.69%	0.043%
206	13.841	13.803	13.857	VV	1059	13946	0.69%	0.043%
207	13.869	13.857	13.878	VV	556	5902	0.29%	0.018%
208	13.903	13.878	13.940	VV	2461	44538	2.19%	0.137%
209	13.949	13.940	13.982	VV	582	9270	0.46%	0.029%
210	14.033	13.982	14.075	VV	5884	91953	4.52%	0.283%
211	14.100	14.075	14.115	VV	434	6986	0.34%	0.021%
212	14.142	14.115	14.163	PV	3060	40016	1.97%	0.123%
213	14.182	14.163	14.208	VV	3112	37741	1.86%	0.116%
214	14.224	14.208	14.246	VV	1051	13728	0.68%	0.042%
215	14.273	14.246	14.284	VV	1647	21582	1.06%	0.066%
216	14.313	14.284	14.334	VV	3294	53756	2.64%	0.165%
217	14.353	14.334	14.390	VV	2787	35306	1.74%	0.109%
218	14.423	14.390	14.443	VV	665	10766	0.53%	0.033%
219	14.513	14.443	14.551	VV	498	15992	0.79%	0.049%
220	14.566	14.551	14.591	VV	309	3437	0.17%	0.011%
221	14.639	14.591	14.651	PV	143	3625	0.18%	0.011%
222	14.769	14.651	14.817	VV	2682	67903	3.34%	0.209%
223	14.838	14.817	14.860	VV	1110	16787	0.83%	0.052%
224	14.897	14.860	14.917	VV	970	22748	1.12%	0.070%
225	14.951	14.917	14.991	VV	2214	46207	2.27%	0.142%
226	15.015	14.991	15.038	VV	4894	62760	3.09%	0.193%
227	15.072	15.038	15.095	VV	2423	42052	2.07%	0.129%
228	15.109	15.095	15.120	VV	372	3293	0.16%	0.010%
229	15.140	15.120	15.161	VV	566	9456	0.47%	0.029%
230	15.201	15.161	15.249	VV	925	23677	1.16%	0.073%
231	15.276	15.249	15.294	PV	1084	13686	0.67%	0.042%
232	15.326	15.294	15.347	VV	18523	221733	10.91%	0.682%
233	15.368	15.347	15.399	VV	17918	222778	10.96%	0.685%
234	15.418	15.399	15.438	VV	1027	13898	0.68%	0.043%
235	15.490	15.438	15.514	VV	4033	70010	3.44%	0.215%
236	15.526	15.514	15.543	VV	999	14630	0.72%	0.045%
237	15.565	15.543	15.600	VV	1240	25344	1.25%	0.078%
238	15.629	15.600	15.654	PV	1276	25267	1.24%	0.078%
239	15.672	15.654	15.736	VV	1279	32863	1.62%	0.101%
240	15.766	15.736	15.797	VV	2472	44892	2.21%	0.138%
241	15.814	15.797	15.831	VV	875	11069	0.54%	0.034%
242	15.847	15.831	15.861	VV	349	3511	0.17%	0.011%
243	15.902	15.861	15.937	PV	1244	26017	1.28%	0.080%
244	15.961	15.937	15.974	VV	918	13120	0.65%	0.040%
245	16.002	15.974	16.022	VV	4324	56502	2.78%	0.174%
246	16.040	16.022	16.070	VV	1978	27721	1.36%	0.085%

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247	16.086	16.070	16.105	VV	889	9720	0.48%	0.030%
248	16.164	16.105	16.204	VV	2542	71649	3.52%	0.220%
249	16.241	16.204	16.265	VV	1244	20554	1.01%	0.063%
250	16.326	16.265	16.345	VV	976	22014	1.08%	0.068%
251	16.358	16.345	16.381	VV	864	11013	0.54%	0.034%
252	16.402	16.381	16.425	PV	1456	23647	1.16%	0.073%
253	16.434	16.425	16.472	VV	695	12943	0.64%	0.040%
254	16.508	16.472	16.531	VV	311	4964	0.24%	0.015%
255	16.613	16.531	16.633	VV	1362	31037	1.53%	0.095%
256	16.640	16.633	16.653	VV	680	5039	0.25%	0.015%
257	16.711	16.653	16.734	PV	1525	40887	2.01%	0.126%
258	16.812	16.734	16.838	VV	2093	62793	3.09%	0.193%
259	16.890	16.838	16.909	PV	18428	275215	13.54%	0.846%
260	16.917	16.909	16.958	VV	7015	82590	4.06%	0.254%
261	17.021	16.958	17.044	VV	5623	95139	4.68%	0.293%
262	17.059	17.044	17.069	VV	1337	16362	0.80%	0.050%
263	17.075	17.069	17.094	VV	1160	11884	0.58%	0.037%
264	17.116	17.094	17.128	VV	1142	14361	0.71%	0.044%
265	17.212	17.128	17.245	VV	11293	191754	9.43%	0.590%
266	17.271	17.245	17.306	VV	13563	177913	8.75%	0.547%
267	17.371	17.306	17.410	PV	4381	111805	5.50%	0.344%
268	17.426	17.410	17.445	VV	1108	15244	0.75%	0.047%
269	17.476	17.445	17.485	PV	629	7540	0.37%	0.023%
270	17.582	17.485	17.595	VV	1252	43076	2.12%	0.132%
271	17.635	17.595	17.665	VV	2255	67644	3.33%	0.208%
272	17.689	17.665	17.710	VV	1967	38727	1.90%	0.119%
273	17.768	17.710	17.778	VV	2583	55730	2.74%	0.171%
274	17.800	17.778	17.833	VV	5603	93784	4.61%	0.288%
275	17.857	17.833	17.878	VV	2557	38257	1.88%	0.118%
276	17.891	17.878	17.908	VV	2142	28308	1.39%	0.087%
277	17.938	17.908	17.961	VV	3389	53596	2.64%	0.165%
278	17.993	17.961	18.008	VV	1188	26883	1.32%	0.083%
279	18.028	18.008	18.037	VV	910	9382	0.46%	0.029%
280	18.057	18.037	18.067	VV	627	7752	0.38%	0.024%
281	18.122	18.067	18.131	PV	380	9349	0.46%	0.029%
282	18.167	18.131	18.195	VV	1677	31230	1.54%	0.096%
283	18.246	18.195	18.287	VV	6079	151202	7.44%	0.465%
284	18.315	18.287	18.325	VV	1367	23521	1.16%	0.072%
285	18.334	18.325	18.347	VV	913	9715	0.48%	0.030%
286	18.410	18.347	18.429	VV	4867	111255	5.47%	0.342%
287	18.437	18.429	18.478	VV	3067	53009	2.61%	0.163%
288	18.496	18.478	18.522	VV	1213	16118	0.79%	0.050%
289	18.553	18.522	18.568	PV	3108	38719	1.90%	0.119%
290	18.581	18.568	18.590	VV	2117	23916	1.18%	0.074%
291	18.645	18.590	18.711	VV	10565	314425	15.46%	0.967%
292	18.779	18.711	18.796	VV	7909	186656	9.18%	0.574%
293	18.807	18.796	18.827	VV	5325	71763	3.53%	0.221%
294	18.841	18.827	18.869	VV	2453	53893	2.65%	0.166%
295	18.900	18.869	18.931	VV	10575	177567	8.73%	0.546%
296	18.983	18.931	18.999	VV	2607	90395	4.45%	0.278%
297	19.030	18.999	19.050	VV	4425	88305	4.34%	0.271%
298	19.078	19.050	19.116	VV	7499	163719	8.05%	0.503%
299	19.206	19.116	19.226	VV	6637	210804	10.37%	0.648%

					rters			
300	19.250	19.226	19.273	VV	6525	133741	6.58%	0.411%
301	19.302	19.273	19.310	VV	3920	84536	4.16%	0.260%
302	19.478	19.310	19.508	VV	11017	717912	35.31%	2.207%
303	19.536	19.508	19.555	VV	9577	226645	11.15%	0.697%
304	19.606	19.555	19.645	VV	10422	502087	24.69%	1.544%
305	19.698	19.645	19.706	VV	10987	359934	17.70%	1.107%
306	19.761	19.706	19.785	VV	11439	506345	24.90%	1.557%
307	19.792	19.785	19.797	VV	10706	78541	3.86%	0.241%
308	19.821	19.797	19.831	VV	11065	220306	10.84%	0.677%
309	19.864	19.831	19.894	VV	15300	470086	23.12%	1.445%
310	19.918	19.894	19.936	VV	13689	317779	15.63%	0.977%
311	20.002	19.936	20.022	VV	15257	693891	34.13%	2.133%
312	20.061	20.022	20.080	VV	18439	569482	28.01%	1.751%
313	20.124	20.080	20.154	VV	19222	776887	38.21%	2.389%
314	20.237	20.154	20.274	VV	24055	1418424	69.76%	4.361%
315	20.309	20.274	20.331	VV	21525	693560	34.11%	2.132%
316	20.341	20.331	20.358	VV	21247	338793	16.66%	1.042%
317	20.435	20.358	20.471	VV	28751	1676785	82.47%	5.155%
318	20.532	20.471	20.565	VV	30091	1595236	78.46%	4.905%
319	20.605	20.565	20.625	VV	33303	1117220	54.95%	3.435%
320	20.702	20.625	20.721	VV	34348	1916009	94.24%	5.891%
321	20.806	20.721	20.821	VV	35425	2033162	100.00%	6.251%
322	20.832	20.821	20.855	VV	35602	689745	33.92%	2.121%
323	20.862	20.855	20.883	VV	34618	572534	28.16%	1.760%
324	20.891	20.883	20.928	VV	33013	853739	41.99%	2.625%
325	20.978	20.928	21.030	VV	33391	1906874	93.79%	5.863%
326	21.041	21.030	21.088	VV	30053	1009874	49.67%	3.105%
327	21.125	21.088	21.140	VV	28718	875413	43.06%	2.691%
					Sum of corrected areas:		32525826	

Aliphatic EPH 062725.M Wed Jul 09 08:21:33 2025

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G1(6-12)	SDG No.:	Q2487
Lab Sample ID:	Q2487-16	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/03/25 09:30	07/08/25 10:56	PB168723

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	69.7		5	6.32	10.7	mg/kg FE054734.D
Aliphatic C9-C28	Aliphatic C9-C28	62.0		1	0.97	4.28	mg/kg FE054712.D
Total AliphaticEPH	Total AliphaticEPH	132			7.29	15.0	mg/kg
Total EPH	Total EPH	132			7.29	15.0	mg/kg

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G1(6-12)	SDG No.:	Q2487
Lab Sample ID:	Q2487-16	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054712.D	1	07/03/25	07/07/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	62.0		0.97	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	60.6	E	1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.1		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.4		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2487-16	Acq On:	07 Jul 2025 18:33
Client Sample ID:	G1(6-12)	Operator:	YP\AJ
Data file:	FE054712.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	3.322	6.953	29591077	217.493	300	ug/ml
Aliphatic C12-C16	6.954	10.404	28119291	200.04	200	ug/ml
Aliphatic C16-C21	10.405	13.782	43274284	299.697	300	ug/ml
Aliphatic C21-C28	13.783	17.452	21946011	151.716	400	ug/ml
Aliphatic C28-C40	17.453	22.469	117836360	849.899	600	ug/ml
Aliphatic EPH	3.322	22.469	240767023	1720		ug/ml
ortho-Terphenyl (SURR)	12.084	12.084	4603196	28.35		ug/ml
1-chlorooctadecane (SURR)	13.520	13.520	3928637	31.11		ug/ml
Aliphatic C9-C28	3.322	17.452	122930663	868.946	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054712.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jul 2025 18:33
 Operator : YP\AJ
 Sample : Q2487-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 G1(6-12)

Manual Integrations
 APPROVED

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

Integration File: sample.E
 Quant Time: Jul 08 03:32:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.084	4603196	28.346 ug/ml
Spiked Amount 50.000		Recovery =	56.69%
12) S 1-chlorooctadecane (S...	13.520	3928637	31.107 ug/mlm
Spiked Amount 50.000		Recovery =	62.21%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054712.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 18:33
Operator : YP\AJ
Sample : Q2487-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

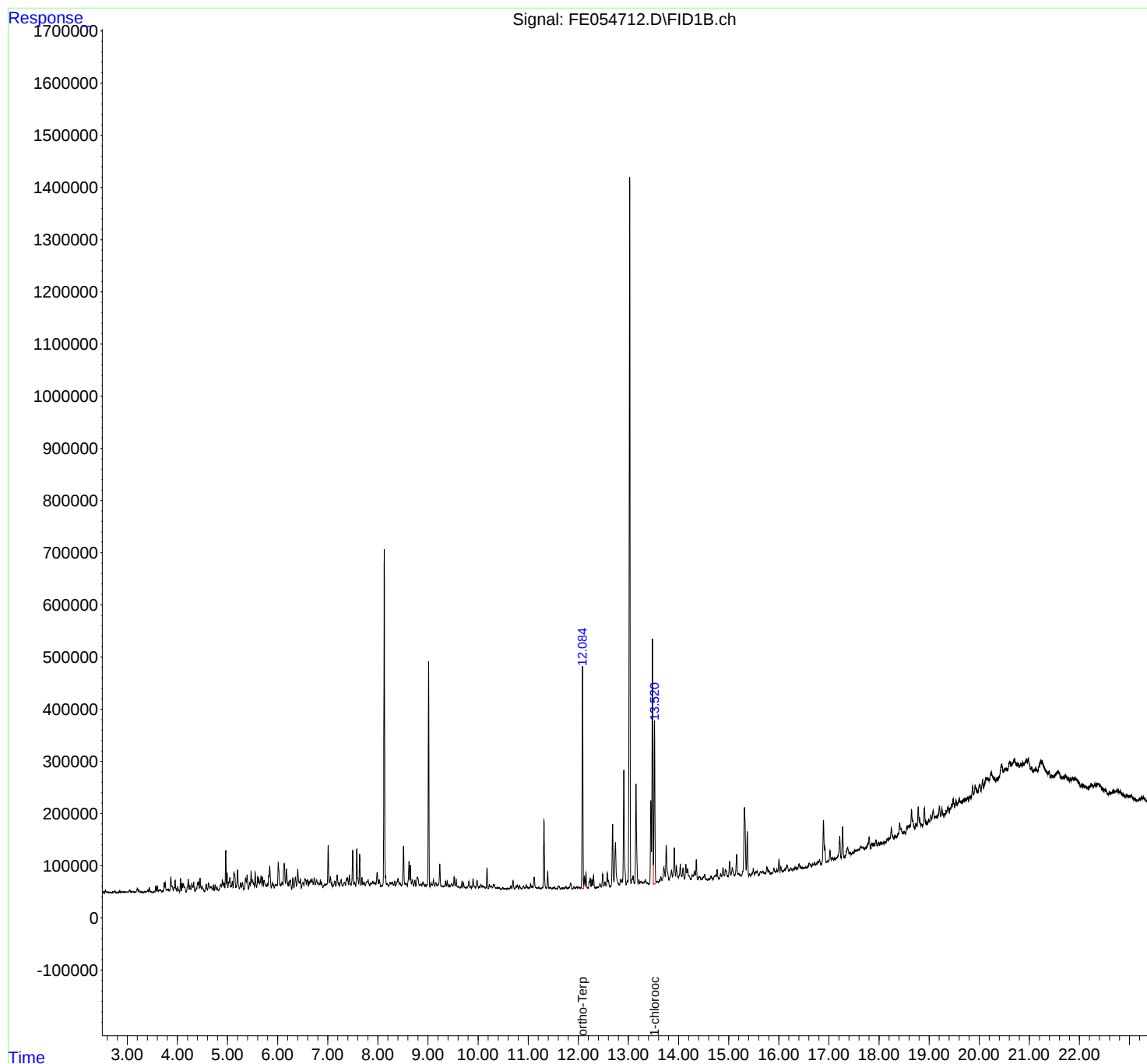
Instrument :
FID_E
ClientSampleId :
G1(6-12)

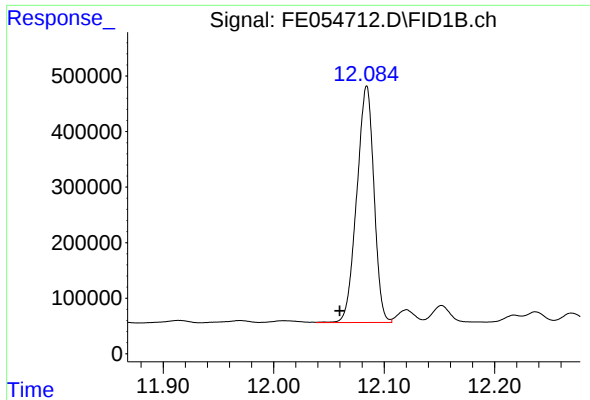
Manual Integrations
APPROVED

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

Integration File: sample.E
Quant Time: Jul 08 03:32:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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





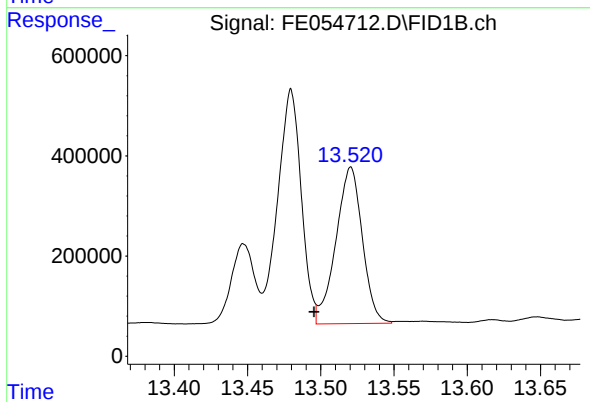
#9 ortho-Terphenyl (SURR)

R.T.: 12.084 min
Delta R.T.: 0.024 min
Response: 4603196
Conc: 28.35 ug/ml

Instrument :
FID_E
ClientSampleId :
G1(6-12)

Manual Integrations
APPROVED

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



#12 1-chlorooctadecane (SURR)

R.T.: 13.520 min
Delta R.T.: 0.025 min
Response: 3928637
Conc: 31.11 ug/ml m

rteres

Instrument :

FID_E

ClientSampleId :

G1(6-12)

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE07072
Data File : FE054712.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 18:33
Sample : Q2487-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.851	2.804	2.872	BV	2472	36718	0.23%	0.015%
2	2.911	2.872	2.938	VV	1292	32654	0.21%	0.013%
3	2.956	2.938	2.979	VV	2130	25799	0.16%	0.010%
4	2.997	2.979	3.015	VV	1194	15153	0.10%	0.006%
5	3.054	3.015	3.075	VV	4847	81874	0.51%	0.033%
6	3.112	3.075	3.141	VV	2267	46334	0.29%	0.019%
7	3.151	3.141	3.167	VV	666	8035	0.05%	0.003%
8	3.200	3.167	3.216	VV	7794	117925	0.74%	0.047%
9	3.230	3.216	3.252	VV	5670	64533	0.41%	0.026%
10	3.287	3.252	3.331	VV	1200	34188	0.21%	0.014%
11	3.350	3.331	3.364	VV	1116	12551	0.08%	0.005%
12	3.382	3.364	3.393	VV	1891	22199	0.14%	0.009%
13	3.411	3.393	3.423	VV	4656	54426	0.34%	0.022%
14	3.440	3.423	3.512	VV	9179	139088	0.87%	0.056%
15	3.536	3.512	3.547	PV	1936	21100	0.13%	0.008%
16	3.567	3.547	3.583	VV	11501	123987	0.78%	0.050%
17	3.600	3.583	3.619	VV	11966	128125	0.81%	0.051%
18	3.635	3.619	3.651	VV	4406	63475	0.40%	0.025%
19	3.666	3.651	3.690	VV	4894	71080	0.45%	0.028%
20	3.707	3.690	3.718	VV	3290	35746	0.22%	0.014%
21	3.738	3.718	3.748	VV	18820	193239	1.21%	0.077%
22	3.757	3.748	3.781	VV	17462	199927	1.26%	0.080%
23	3.795	3.781	3.804	VV	5743	63597	0.40%	0.025%
24	3.816	3.804	3.835	VV	6314	90975	0.57%	0.036%
25	3.869	3.835	3.918	VV	28778	552380	3.47%	0.221%
26	3.954	3.918	3.990	VV	22750	400836	2.52%	0.160%
27	4.007	3.990	4.042	VV	10555	153641	0.97%	0.062%
28	4.063	4.042	4.080	VV	25652	268087	1.69%	0.107%
29	4.095	4.080	4.107	VV	16729	168066	1.06%	0.067%
30	4.120	4.107	4.174	VV	16331	354143	2.23%	0.142%
31	4.217	4.174	4.233	VV	24892	364455	2.29%	0.146%
32	4.247	4.233	4.271	VV	12471	193920	1.22%	0.078%
33	4.288	4.271	4.308	VV	16482	256536	1.61%	0.103%
34	4.325	4.308	4.353	VV	18798	254554	1.60%	0.102%
35	4.402	4.353	4.412	VV	18630	307381	1.93%	0.123%
36	4.421	4.412	4.435	VV	19308	205278	1.29%	0.082%

					rters			
37	4.452	4.435	4.477	VV	26731	374581	2.35%	0.150%
38	4.493	4.477	4.538	VV	12152	242367		
39	4.576	4.538	4.598	VV	15420	269974		
40	4.620	4.598	4.649	VV	17568	316937		
41	4.674	4.649	4.696	VV	9584	225437		
42	4.718	4.696	4.734	VV	12766	166958		
43	4.752	4.734	4.774	VV	13812	187219	1.18%	0.075%
44	4.790	4.774	4.822	VV	9674	156049	0.98%	0.062%
45	4.866	4.822	4.880	VV	14177	311455	1.96%	0.125%
46	4.897	4.880	4.914	VV	23068	338550	2.13%	0.136%
47	4.929	4.914	4.945	VV	16756	258390	1.62%	0.103%
48	4.964	4.945	4.980	VV	79651	845757	5.32%	0.339%
49	4.991	4.980	5.008	VV	35802	377216	2.37%	0.151%
50	5.026	5.008	5.033	VV	19389	240216	1.51%	0.096%
51	5.046	5.033	5.064	VV	26595	333967	2.10%	0.134%
52	5.095	5.064	5.110	VV	20283	368558	2.32%	0.148%
53	5.130	5.110	5.167	VV	36518	813106	5.11%	0.326%
54	5.199	5.167	5.236	VV	41906	735218	4.62%	0.294%
55	5.261	5.236	5.278	VV	16903	285330	1.79%	0.114%
56	5.298	5.278	5.322	VV	17811	301080	1.89%	0.121%
57	5.359	5.322	5.375	VV	26649	456722	2.87%	0.183%
58	5.390	5.375	5.418	VV	32074	480358	3.02%	0.192%
59	5.441	5.418	5.453	VV	18208	260404	1.64%	0.104%
60	5.470	5.453	5.484	VV	38800	470361	2.96%	0.188%
61	5.495	5.484	5.535	VV	23157	537488	3.38%	0.215%
62	5.551	5.535	5.580	VV	37242	526977	3.31%	0.211%
63	5.602	5.580	5.615	VV	29188	413251	2.60%	0.165%
64	5.625	5.615	5.639	VV	24123	281599	1.77%	0.113%
65	5.669	5.639	5.685	VV	30234	597827	3.76%	0.239%
66	5.699	5.685	5.715	VV	27249	345623	2.17%	0.138%
67	5.729	5.715	5.756	VV	21474	409879	2.58%	0.164%
68	5.763	5.756	5.779	VV	13610	160644	1.01%	0.064%
69	5.796	5.779	5.805	VV	15504	191768	1.21%	0.077%
70	5.841	5.805	5.874	VV	48828	1099527	6.91%	0.440%
71	5.895	5.874	5.932	VV	16914	402368	2.53%	0.161%
72	5.954	5.932	5.967	VV	13741	236582	1.49%	0.095%
73	5.976	5.967	5.990	VV	12761	163876	1.03%	0.066%
74	6.012	5.990	6.059	VV	54722	1121650	7.05%	0.449%
75	6.087	6.059	6.101	VV	17871	359151	2.26%	0.144%
76	6.132	6.101	6.157	VV	52545	1155131	7.26%	0.463%
77	6.174	6.157	6.202	VV	42836	699824	4.40%	0.280%
78	6.212	6.202	6.224	VV	16856	181709	1.14%	0.073%
79	6.254	6.224	6.280	VV	20985	501393	3.15%	0.201%
80	6.302	6.280	6.324	VV	25278	365133	2.30%	0.146%
81	6.355	6.324	6.376	VV	27184	537299	3.38%	0.215%
82	6.401	6.376	6.439	VV	40899	859839	5.40%	0.344%
83	6.452	6.439	6.472	VV	23381	313140	1.97%	0.125%
84	6.506	6.472	6.523	VV	17017	401599	2.52%	0.161%
85	6.545	6.523	6.574	VV	24476	578831	3.64%	0.232%
86	6.588	6.574	6.613	VV	20718	407560	2.56%	0.163%
87	6.629	6.613	6.640	VV	18582	245572	1.54%	0.098%
88	6.655	6.640	6.669	VV	21607	327833	2.06%	0.131%
89	6.684	6.669	6.710	VV	23970	461300	2.90%	0.185%

Instrument :

FID_E

ClientSampleId :

G1(6-12)

2.35% 0.150%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

90	6.730	6.710	6.751	VV	25760	457218	2.87%	0.183%
91	6.776	6.751	6.796	VV	21051	464453		
92	6.805	6.796	6.820	VV	16484	216628		
93	6.853	6.820	6.865	VV	21401	403276		
94	6.875	6.865	6.905	VV	16701	285518		
95	6.946	6.905	6.960	VV	13618	364609		
96	7.009	6.960	7.031	VV	87628	1291408	8.12%	0.517%
97	7.054	7.031	7.098	VV	27578	692647	4.35%	0.277%
98	7.141	7.098	7.162	VV	19278	502769	3.16%	0.201%
99	7.188	7.162	7.213	VV	30451	580206	3.65%	0.232%
100	7.224	7.213	7.238	VV	16258	195940	1.23%	0.078%
101	7.268	7.238	7.301	VV	21243	539308	3.39%	0.216%
102	7.331	7.301	7.354	VV	16689	432169	2.72%	0.173%
103	7.372	7.354	7.381	VV	23724	305054	1.92%	0.122%
104	7.395	7.381	7.414	VV	25986	406162	2.55%	0.163%
105	7.432	7.414	7.463	VV	30306	543077	3.41%	0.217%
106	7.498	7.463	7.522	VV	77272	1105002	6.95%	0.442%
107	7.536	7.522	7.557	VV	16953	283590	1.78%	0.114%
108	7.579	7.557	7.617	VV	78957	1192583	7.50%	0.478%
109	7.637	7.617	7.664	VV	69758	895955	5.63%	0.359%
110	7.683	7.664	7.701	VV	25126	384183	2.41%	0.154%
111	7.726	7.701	7.748	VV	15093	378010	2.38%	0.151%
112	7.805	7.748	7.839	VV	20936	827299	5.20%	0.331%
113	7.860	7.839	7.877	VV	15121	296573	1.86%	0.119%
114	7.898	7.877	7.915	VV	18732	349951	2.20%	0.140%
115	7.945	7.915	7.959	VV	15555	376194	2.36%	0.151%
116	7.985	7.959	8.010	VV	34848	652659	4.10%	0.261%
117	8.026	8.010	8.058	VV	21100	431708	2.71%	0.173%
118	8.071	8.058	8.084	VV	9682	139331	0.88%	0.056%
119	8.181	8.170	8.213	VV	14038	296938	1.87%	0.119%
120	8.240	8.213	8.255	VV	15783	310067	1.95%	0.124%
121	8.269	8.255	8.282	VV	15271	232618	1.46%	0.093%
122	8.293	8.282	8.312	VV	15538	234206	1.47%	0.094%
123	8.336	8.312	8.356	VV	18144	340712	2.14%	0.136%
124	8.400	8.356	8.427	VV	22345	668300	4.20%	0.268%
125	8.441	8.427	8.467	VV	15227	303675	1.91%	0.122%
126	8.511	8.467	8.555	VV	85032	1514527	9.52%	0.606%
127	8.564	8.555	8.585	VV	12515	200704	1.26%	0.080%
128	8.621	8.585	8.635	VV	55251	830267	5.22%	0.332%
129	8.649	8.635	8.669	VV	48042	586154	3.68%	0.235%
130	8.689	8.669	8.714	VV	20475	398928	2.51%	0.160%
131	8.739	8.714	8.758	VV	19337	352041	2.21%	0.141%
132	8.787	8.758	8.845	VV	25036	833137	5.24%	0.334%
133	8.862	8.845	8.876	VV	12659	201408	1.27%	0.081%
134	8.899	8.876	8.933	VV	16422	401205	2.52%	0.161%
135	8.947	8.933	8.961	VV	10811	154931	0.97%	0.062%
136	9.058	9.039	9.083	VV	14279	296015	1.86%	0.119%
137	9.109	9.083	9.133	VV	19700	386742	2.43%	0.155%
138	9.159	9.133	9.179	VV	14558	311424	1.96%	0.125%
139	9.235	9.179	9.261	VV	50493	898882	5.65%	0.360%
140	9.275	9.261	9.299	VV	8323	172940	1.09%	0.069%
141	9.317	9.299	9.330	VV	8412	136379	0.86%	0.055%

Instrument :

FID_E

ClientSampleId :

G1(6-12)

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

Performance Metrics							Client Satisfaction	
Key Indicators					Trends		G1(6-12)	
142	9.349	9.330	9.367	VV	16948	259951	1.63%	0.104%
143	9.383	9.367	9.404	VV	17417	252517	Manual Integration	
144	9.422	9.404	9.443	VV	9389	183238		
145	9.472	9.443	9.488	VV	12599	262095		
146	9.521	9.488	9.541	VV	24907	420389		
147	9.562	9.541	9.594	VV	20218	342862	Reviewed By :Yogesh Supervised By :m	
148	9.608	9.594	9.635	VV	6626	138356	0.87%	0.055%
149	9.679	9.635	9.696	VV	16710	292826	1.84%	0.117%
150	9.711	9.696	9.744	VV	13223	209164	1.31%	0.084%
151	9.761	9.744	9.776	VV	5390	90951	0.57%	0.036%
152	9.816	9.776	9.839	VV	15529	306476	1.93%	0.123%
153	9.855	9.839	9.874	VV	7299	114673	0.72%	0.046%
154	9.900	9.874	9.951	VV	21233	410543	2.58%	0.164%
155	9.979	9.951	10.010	VV	18481	343182	2.16%	0.137%
156	10.022	10.010	10.034	VV	5571	72142	0.45%	0.029%
157	10.056	10.034	10.071	VV	9756	162774	1.02%	0.065%
158	10.079	10.071	10.095	VV	7447	92210	0.58%	0.037%
159	10.109	10.095	10.153	VV	6844	174034	1.09%	0.070%
160	10.178	10.153	10.203	VV	42258	472301	2.97%	0.189%
161	10.225	10.203	10.245	VV	9956	155645	0.98%	0.062%
162	10.261	10.245	10.288	VV	6807	141501	0.89%	0.057%
163	10.308	10.288	10.359	VV	10232	270473	1.70%	0.108%
164	10.389	10.359	10.403	VV	4060	87010	0.55%	0.035%
165	10.417	10.403	10.454	VV	3562	75002	0.47%	0.030%
166	10.488	10.454	10.568	VV	3552	133514	0.84%	0.053%
167	10.588	10.568	10.602	VV	2205	34798	0.22%	0.014%
168	10.615	10.602	10.626	VV	1954	23844	0.15%	0.010%
169	10.652	10.626	10.672	VV	7538	112530	0.71%	0.045%
170	10.697	10.672	10.725	VV	16938	241456	1.52%	0.097%
171	10.757	10.725	10.770	VV	6719	111390	0.70%	0.045%
172	10.786	10.770	10.811	VV	9048	131453	0.83%	0.053%
173	10.830	10.811	10.878	VV	7661	131948	0.83%	0.053%
174	10.904	10.878	10.938	VV	6998	147397	0.93%	0.059%
175	10.960	10.938	10.995	VV	9465	177156	1.11%	0.071%
176	11.006	10.995	11.019	VV	3464	43583	0.27%	0.017%
177	11.048	11.019	11.066	VV	10775	163020	1.02%	0.065%
178	11.078	11.066	11.092	VV	6527	77311	0.49%	0.031%
179	11.119	11.092	11.191	VV	22789	448682	2.82%	0.180%
180	11.212	11.191	11.232	VV	4572	71224	0.45%	0.029%
181	11.314	11.232	11.358	VV	132444	1574381	9.90%	0.630%
182	11.388	11.358	11.411	VV	33708	390158	2.45%	0.156%
183	11.444	11.411	11.474	VV	3854	89528	0.56%	0.036%
184	11.505	11.474	11.518	VV	2786	54691	0.34%	0.022%
185	11.527	11.518	11.546	VV	3596	40336	0.25%	0.016%
186	11.560	11.546	11.579	VV	2240	27702	0.17%	0.011%
187	11.601	11.579	11.645	VV	5869	124502	0.78%	0.050%
188	11.678	11.645	11.696	PV	2126	42316	0.27%	0.017%
189	11.711	11.696	11.731	VV	2156	37335	0.23%	0.015%
190	11.755	11.731	11.775	VV	5194	74673	0.47%	0.030%
191	11.847	11.775	11.878	VV	11084	239351	1.50%	0.096%
192	11.914	11.878	11.934	PV	4504	63514	0.40%	0.025%
193	11.970	11.934	11.988	VV	4011	61030	0.38%	0.024%
194	12.010	11.988	12.037	VV	3455	57715	0.36%	0.023%

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195	12.084	12.037	12.107	VV	427769	4604791	28.94%	1.844%
196	12.120	12.107	12.135	VV	22995	240684		
197	12.152	12.135	12.191	VV	30356	336896		
198	12.237	12.191	12.254	VV	18736	340619		
199	12.270	12.254	12.285	VV	16137	186548		
200	12.302	12.285	12.334	VV	23673	292144		
201	12.344	12.334	12.355	VV	412	2756	0.02%	0.001%
202	12.376	12.355	12.391	PV	1675	19821	0.12%	0.008%
203	12.432	12.391	12.457	VV	7154	134993	0.85%	0.054%
204	12.485	12.457	12.509	VV	25694	345209	2.17%	0.138%
205	12.532	12.509	12.553	VV	10317	156449	0.98%	0.063%
206	12.577	12.553	12.625	VV	27078	469944	2.95%	0.188%
207	12.684	12.625	12.710	VV	120413	1578436	9.92%	0.632%
208	12.740	12.710	12.821	VV	84405	1722448	10.83%	0.690%
209	12.845	12.821	12.862	VV	13027	219553	1.38%	0.088%
210	12.908	12.862	12.954	VV	222168	3075391	19.33%	1.231%
211	12.977	12.954	12.987	VV	10152	136664	0.86%	0.055%
212	13.025	12.987	13.052	VV	1361259	15908987	100.00%	6.370%
213	13.093	13.052	13.121	VV	18299	410062	2.58%	0.164%
214	13.151	13.121	13.195	VV	193861	2738486	17.21%	1.096%
215	13.211	13.195	13.227	VV	9784	108471	0.68%	0.043%
216	13.241	13.227	13.251	VV	6509	75890	0.48%	0.030%
217	13.259	13.251	13.284	VV	6102	86000	0.54%	0.034%
218	13.337	13.284	13.368	VV	9811	252072	1.58%	0.101%
219	13.381	13.368	13.407	VV	3068	41603	0.26%	0.017%
220	13.447	13.407	13.460	VV	159927	1742392	10.95%	0.698%
221	13.480	13.460	13.499	VV	465012	5272433	33.14%	2.111%
222	13.520	13.499	13.561	VV	313654	3916279	24.62%	1.568%
223	13.570	13.561	13.599	VV	4578	79275	0.50%	0.032%
224	13.617	13.599	13.628	VV	7210	84394	0.53%	0.034%
225	13.648	13.628	13.669	VV	12593	211689	1.33%	0.085%
226	13.707	13.669	13.733	VV	30279	674815	4.24%	0.270%
227	13.755	13.733	13.809	VV	72146	1327620	8.35%	0.532%
228	13.859	13.809	13.879	VV	24552	604076	3.80%	0.242%
229	13.916	13.879	13.939	VV	65480	1142553	7.18%	0.457%
230	13.956	13.939	13.996	VV	31493	617654	3.88%	0.247%
231	14.035	13.996	14.064	VV	34036	718218	4.51%	0.288%
232	14.089	14.064	14.120	VV	26321	509024	3.20%	0.204%
233	14.146	14.120	14.162	VV	34029	491542	3.09%	0.197%
234	14.180	14.162	14.247	VV	23926	647228	4.07%	0.259%
235	14.274	14.247	14.285	VV	12075	190995	1.20%	0.076%
236	14.292	14.285	14.297	VV	10367	68874	0.43%	0.028%
237	14.315	14.297	14.335	VV	19527	338354	2.13%	0.135%
238	14.355	14.335	14.381	VV	41030	539101	3.39%	0.216%
239	14.425	14.381	14.450	VV	7467	222491	1.40%	0.089%
240	14.519	14.450	14.578	VV	11979	352951	2.22%	0.141%
241	14.646	14.578	14.690	VV	7799	187411	1.18%	0.075%
242	14.742	14.690	14.752	PV	8969	216856	1.36%	0.087%
243	14.770	14.752	14.809	VV	19127	279621	1.76%	0.112%
244	14.840	14.809	14.860	VV	10518	174722	1.10%	0.070%
245	14.887	14.860	14.913	VV	20839	361965	2.28%	0.145%
246	14.935	14.913	14.946	VV	17536	236480	1.49%	0.095%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

				rters				
247	14.950	14.946	14.990	VV	15008	206887	1.30%	0.083%
248	15.018	14.990	15.043	VV	32047	497627		
249	15.073	15.043	15.118	VV	19511	483258		
250	15.159	15.118	15.187	VV	44139	735265		
251	15.200	15.187	15.244	VV	7139	173445		
252	15.315	15.244	15.349	VV	132421	2795850	17.06%	0.449%
253	15.371	15.349	15.400	VV	85875	1122432	0.41%	0.026%
254	15.416	15.400	15.440	VV	4795	65087	0.36%	0.023%
255	15.462	15.440	15.470	VV	4951	56798		
256	15.491	15.470	15.511	VV	13506	190282	1.20%	0.076%
257	15.546	15.511	15.554	VV	7206	147451	0.93%	0.059%
258	15.569	15.554	15.601	VV	8240	132636	0.83%	0.053%
259	15.632	15.601	15.658	PV	6703	136897	0.86%	0.055%
260	15.682	15.658	15.733	VV	6202	181214	1.14%	0.073%
261	15.762	15.733	15.784	VV	13407	228498	1.44%	0.091%
262	15.796	15.784	15.838	VV	6489	125193	0.79%	0.050%
263	15.848	15.838	15.861	VV	1043	7045	0.04%	0.003%
264	15.902	15.861	15.940	PV	9975	170938	1.07%	0.068%
265	15.960	15.940	15.981	VV	5822	88087	0.55%	0.035%
266	16.003	15.981	16.023	VV	24896	299986	1.89%	0.120%
267	16.040	16.023	16.074	VV	10879	154028	0.97%	0.062%
268	16.167	16.074	16.198	VV	10485	349151	2.19%	0.140%
269	16.242	16.198	16.264	VV	5210	81909	0.51%	0.033%
270	16.294	16.264	16.307	VV	2175	36776	0.23%	0.015%
271	16.326	16.307	16.342	VV	4514	60136	0.38%	0.024%
272	16.360	16.342	16.377	VV	4659	57160	0.36%	0.023%
273	16.402	16.377	16.424	VV	10088	158615	1.00%	0.064%
274	16.438	16.424	16.464	VV	3832	62832	0.39%	0.025%
275	16.473	16.464	16.481	VV	1018	6609	0.04%	0.003%
276	16.528	16.481	16.551	PV	1227	27579	0.17%	0.011%
277	16.611	16.551	16.655	VV	7654	188152	1.18%	0.075%
278	16.677	16.655	16.688	PV	4389	52451	0.33%	0.021%
279	16.712	16.688	16.738	VV	6213	118896	0.75%	0.048%
280	16.815	16.738	16.842	VV	8840	301819	1.90%	0.121%
281	16.892	16.842	16.958	PV	83235	1592152	10.01%	0.637%
282	16.977	16.958	16.990	VV	4107	58397	0.37%	0.023%
283	17.023	16.990	17.045	VV	22183	324564	2.04%	0.130%
284	17.060	17.045	17.094	VV	7285	138062	0.87%	0.055%
285	17.114	17.094	17.131	VV	4339	67625	0.43%	0.027%
286	17.216	17.131	17.244	VV	44655	859522	5.40%	0.344%
287	17.274	17.244	17.311	VV	60850	820317	5.16%	0.328%
288	17.373	17.311	17.407	VV	18165	537961	3.38%	0.215%
289	17.426	17.407	17.445	VV	8482	146306	0.92%	0.059%
290	17.474	17.445	17.486	VV	5524	120894	0.76%	0.048%
291	17.509	17.486	17.521	VV	8543	140574	0.88%	0.056%
292	17.525	17.521	17.532	VV	8325	50703	0.32%	0.020%
293	17.540	17.532	17.556	VV	7575	105063	0.66%	0.042%
294	17.584	17.556	17.600	VV	8750	209747	1.32%	0.084%
295	17.638	17.600	17.667	VV	13402	427111	2.68%	0.171%
296	17.683	17.667	17.721	VV	10224	278574	1.75%	0.112%
297	17.802	17.721	17.833	VV	26686	843939	5.30%	0.338%
298	17.859	17.833	17.876	VV	13725	261967	1.65%	0.105%
299	17.890	17.876	17.916	VV	11628	229620	1.44%	0.092%

Instrument :

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

300	17.939	17.916	17.964	VV	17243	329957		
301	17.993	17.964	18.011	VV	10749	238410		
302	18.029	18.011	18.052	VV	10155	197014		
303	18.119	18.052	18.134	VV	9024	364889		
304	18.163	18.134	18.181	VV	14242	296987		
305	18.247	18.181	18.294	VV	30390	1123295		
306	18.317	18.294	18.344	VV	14321	380287	2.39%	0.152%
307	18.412	18.344	18.428	VV	37465	1045619	6.57%	0.419%
308	18.440	18.428	18.478	VV	26902	628451	3.95%	0.252%
309	18.506	18.478	18.528	VV	18029	480144	3.02%	0.192%
310	18.557	18.528	18.568	VV	27731	499268	3.14%	0.200%
311	18.612	18.568	18.622	VV	26468	816346	5.13%	0.327%
312	18.648	18.622	18.713	VV	53894	1779680	11.19%	0.713%
313	18.731	18.713	18.756	VV	25527	587568	3.69%	0.235%
314	18.782	18.756	18.801	VV	58315	1052177	6.61%	0.421%
315	18.811	18.801	18.874	VV	34111	1053565	6.62%	0.422%
316	18.905	18.874	18.968	VV	51931	1646466	10.35%	0.659%
317	18.987	18.968	19.011	VV	26583	619483	3.89%	0.248%
318	19.034	19.011	19.054	VV	35997	779078	4.90%	0.312%
319	19.080	19.054	19.118	VV	43910	1311054	8.24%	0.525%
320	19.140	19.118	19.164	VV	30941	814424	5.12%	0.326%
321	19.206	19.164	19.225	VV	47494	1305932	8.21%	0.523%
322	19.254	19.225	19.301	VV	42659	1458161	9.17%	0.584%
323	19.340	19.301	19.350	VV	36147	909778	5.72%	0.364%
324	19.381	19.350	19.403	VV	41026	1157340	7.27%	0.463%
325	19.449	19.403	19.461	VV	43804	1358743	8.54%	0.544%
326	19.480	19.461	19.510	VV	53619	1363967	8.57%	0.546%
327	19.535	19.510	19.561	VV	49933	1323628	8.32%	0.530%
328	19.603	19.561	19.627	VV	51182	1804812	11.34%	0.723%
329	19.665	19.627	19.678	VV	45331	1333989	8.39%	0.534%
330	19.689	19.678	19.702	VV	46587	671033	4.22%	0.269%
331	19.717	19.702	19.729	VV	47871	747890	4.70%	0.299%
332	19.772	19.729	19.784	VV	48258	1513807	9.52%	0.606%
333	19.802	19.784	19.840	VV	49962	1612480	10.14%	0.646%
334	19.868	19.840	19.888	VV	68414	1631155	10.25%	0.653%
335	19.918	19.888	19.945	VV	69221	2068385	13.00%	0.828%
336	19.957	19.945	19.976	VV	57805	1058446	6.65%	0.424%
337	20.009	19.976	20.034	VV	65953	2104898	13.23%	0.843%
338	20.065	20.034	20.084	VV	72245	1933022	12.15%	0.774%
339	20.148	20.084	20.157	VV	75934	3038130	19.10%	1.216%
340	20.172	20.157	20.202	VV	74350	1939456	12.19%	0.777%
341	20.238	20.202	20.296	VV	85003	4330479	27.22%	1.734%
342	20.307	20.296	20.328	VV	70420	1327936	8.35%	0.532%
343	20.349	20.328	20.357	VV	69914	1159552	7.29%	0.464%
344	20.366	20.357	20.376	VV	69989	754049	4.74%	0.302%
345	20.392	20.376	20.404	VV	72362	1207293	7.59%	0.483%
346	20.445	20.404	20.477	VV	93485	3697815	23.24%	1.481%
347	20.519	20.477	20.531	VV	83739	2669084	16.78%	1.069%
348	20.537	20.531	20.550	VV	83983	952337	5.99%	0.381%
349	20.563	20.550	20.572	VV	83110	1075467	6.76%	0.431%
350	20.612	20.572	20.625	VV	94084	2836703	17.83%	1.136%
351	20.634	20.625	20.643	VV	90090	910032	5.72%	0.364%

Instrument :

FID_E

ClientSampleId :

G1(6-12)

2.07% 0.132%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

							Instrument : FID_E ClientSampleId : G1(6-12)	
rteres							Manual IntegrationsAPPROVED	
352	20.702	20.643	20.758	VV	96110	6245538	39.26%	2.501%
353	20.780	20.758	20.803	VV	87472	2277536	14.04%	0.958%
354	20.829	20.803	20.850	VV	85409	2299780	14.04%	0.958%
355	20.870	20.850	20.899	VV	85834	2431369	15.04%	0.958%
356	20.942	20.899	20.957	VV	89952	3007319	18.04%	0.958%
357	20.981	20.957	21.028	VV	90969	3451802	21.04%	0.958%
358	21.043	21.028	21.087	VV	72892	2392395	15.04%	0.958%
359	21.126	21.087	21.167	VV	67733	3098278	19.48%	1.241%
360	21.230	21.167	21.243	VV	80941	3248741	20.42%	1.301%
361	21.255	21.243	21.374	VV	79658	4993764	31.39%	1.999%
362	21.391	21.374	21.422	VV	54965	1446578	9.09%	0.579%
363	21.447	21.422	21.468	VV	45649	1200559	7.55%	0.481%
364	21.552	21.468	21.623	VV	50443	4192014	26.35%	1.678%
365	21.632	21.623	21.650	VV	37698	607982	3.82%	0.243%
366	21.687	21.650	21.708	VV	37291	1226665	7.71%	0.491%
367	21.726	21.708	21.758	VV	38804	1020166	6.41%	0.408%
368	21.773	21.758	21.800	VV	32703	740294	4.65%	0.296%
369	21.821	21.800	21.838	VV	30779	635774	4.00%	0.255%
370	21.862	21.838	21.878	VV	29876	662130	4.16%	0.265%
371	21.885	21.878	21.894	VV	28006	275500	1.73%	0.110%
372	21.898	21.894	21.926	VV	28084	499985	3.14%	0.200%
373	21.939	21.926	22.020	VV	25476	1074718	6.76%	0.430%
374	22.040	22.020	22.058	VV	13360	215961	1.36%	0.086%
375	22.071	22.058	22.103	VV	10706	224542	1.41%	0.090%
376	22.135	22.103	22.182	VV	6533	170414	1.07%	0.068%
377	22.232	22.182	22.248	VV	6844	157880	0.99%	0.063%
378	22.259	22.248	22.281	VV	5915	70523	0.44%	0.028%
Sum of corrected areas:							249751307	

Aliphatic EPH 062725.M Tue Jul 08 05:06:18 2025

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G1(6-12)DL	SDG No.:	Q2487
Lab Sample ID:	Q2487-16DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054734.D	5	07/03/25	07/08/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	59.8		4.87	21.4	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	69.7		6.32	10.7	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	6.67		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	6.11		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2487-16DL	Acq On:	08 Jul 2025 10:56
Client Sample ID:	G1(6-12)DL	Operator:	YP\AJ
Data file:	FE054734.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.956	5417805	39.821	300	ug/ml
Aliphatic C12-C16	6.957	10.409	5099024	36.274	200	ug/ml
Aliphatic C16-C21	10.410	13.786	9062076	62.76	300	ug/ml
Aliphatic C21-C28	13.787	17.458	4164773	28.792	400	ug/ml
Aliphatic C28-C40	17.459	22.482	27066270	195.216	600	ug/ml
Aliphatic EPH	3.323	22.482	50809948	362.863		ug/ml
ortho-Terphenyl (SURR)	12.082	12.082	992117	6.11		ug/ml
1-chlorooctadecane (SURR)	13.519	13.519	842312	6.67		ug/ml
Aliphatic C9-C28	3.323	17.458	23743678	167.647	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
 Data File : FE054734.D
 Signal(s) : FID1B.ch
 Acq On : 08 Jul 2025 10:56
 Operator : YP\AJ
 Sample : Q2487-16DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 G1(6-12)DL

Integration File: autoint1.e
 Quant Time: Jul 09 06:37:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 08 07:45:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.082	992117	6.109 ug/ml
Spiked Amount 50.000		Recovery =	12.22%
12) S 1-chlorooctadecane (S...	13.519	842312	6.669 ug/ml
Spiked Amount 50.000		Recovery =	13.34%

Target Compounds

(f)=RT Delta > 1/2 Window

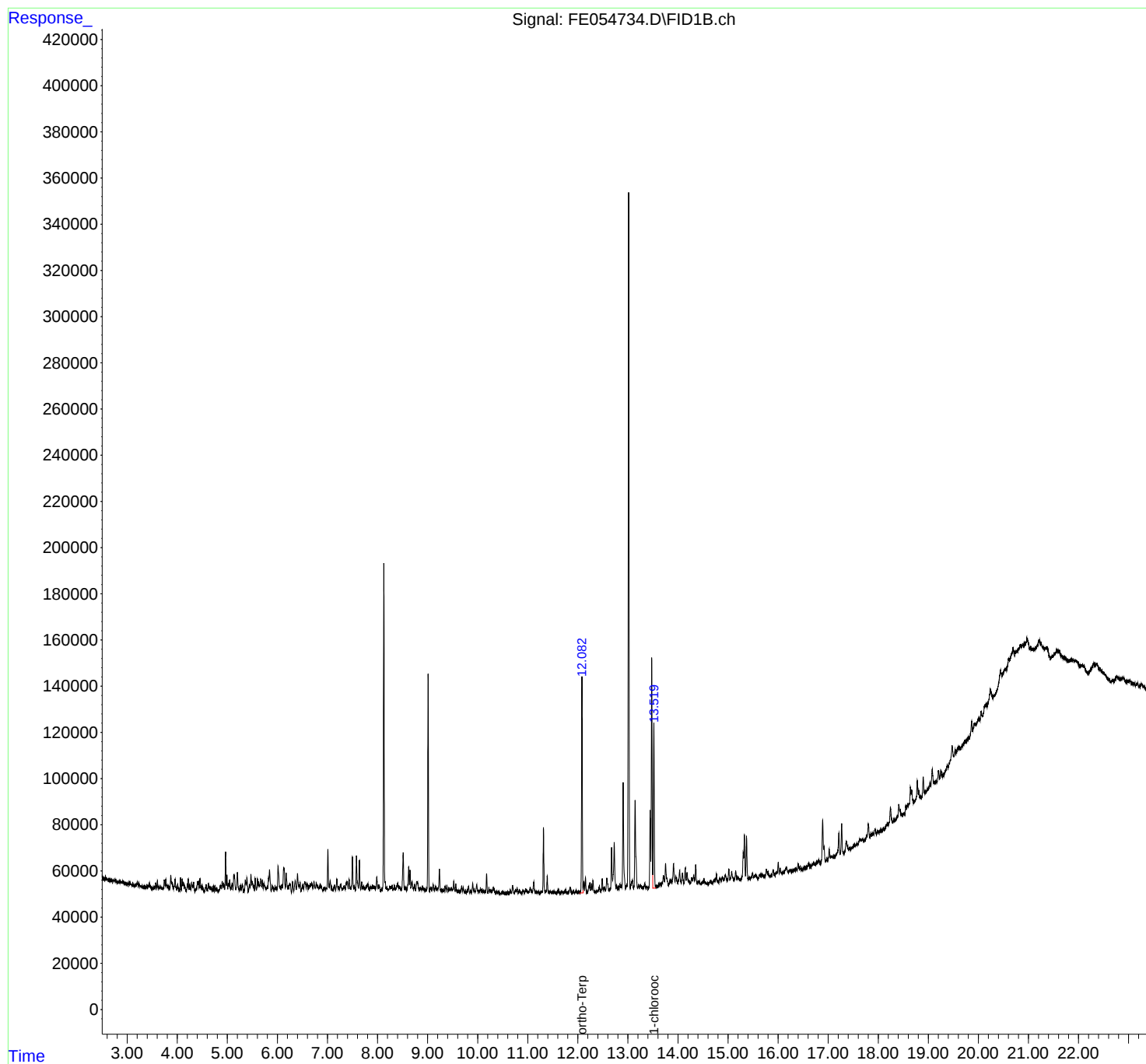
(m)=manual int.

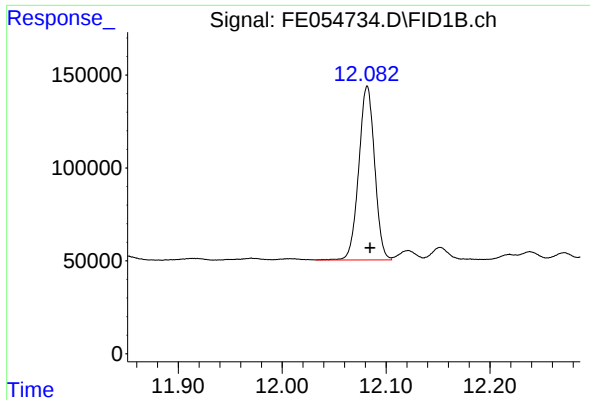
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
Data File : FE054734.D
Signal(s) : FID1B.ch
Acq On : 08 Jul 2025 10:56
Operator : YP\AJ
Sample : Q2487-16DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
G1(6-12)DL

Integration File: autoint1.e
Quant Time: Jul 09 06:37:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Tue Jul 08 07:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

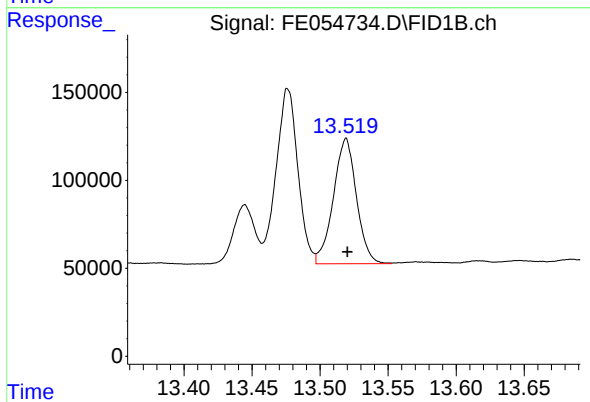




#9 ortho-Terphenyl (SURR)

R.T.: 12.082 min
Delta R.T.: -0.003 min
Response: 992117
Conc: 6.11 ug/ml

Instrument :
FID_E
ClientSampleId :
G1(6-12)DL



#12 1-chlorooctadecane (SURR)

R.T.: 13.519 min
Delta R.T.: -0.001 min
Response: 842312
Conc: 6.67 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
Data File : FE054734.D
Signal(s) : FID1B.ch
Acq On : 08 Jul 2025 10:56
Sample : Q2487-16DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.855	2.804	2.878	BV	654	10760	0.32%	0.020%
2	2.912	2.878	2.945	VV	772	14944	0.44%	0.028%
3	2.959	2.945	2.988	VV	510	6736	0.20%	0.013%
4	2.999	2.988	3.020	VV	261	2835	0.08%	0.005%
5	3.039	3.020	3.046	PV	683	5967	0.18%	0.011%
6	3.057	3.046	3.104	VV	988	13451	0.39%	0.025%
7	3.115	3.104	3.174	VV	511	8082	0.24%	0.015%
8	3.203	3.174	3.220	PV	1725	25181	0.74%	0.048%
9	3.237	3.220	3.280	VV	1282	19842	0.58%	0.038%
10	3.294	3.280	3.335	VV	334	5336	0.16%	0.010%
11	3.356	3.335	3.370	PV	279	2772	0.08%	0.005%
12	3.387	3.370	3.398	VV	431	4852	0.14%	0.009%
13	3.414	3.398	3.427	VV	1005	11761	0.34%	0.022%
14	3.443	3.427	3.517	VV	2011	31049	0.91%	0.059%
15	3.537	3.517	3.550	PV	499	5298	0.16%	0.010%
16	3.570	3.550	3.586	VV	2513	26131	0.77%	0.050%
17	3.603	3.586	3.622	VV	3205	33552	0.98%	0.064%
18	3.637	3.622	3.658	VV	923	14805	0.43%	0.028%
19	3.669	3.658	3.694	VV	999	12538	0.37%	0.024%
20	3.710	3.694	3.721	VV	733	6868	0.20%	0.013%
21	3.741	3.721	3.761	VV	4088	50790	1.49%	0.096%
22	3.771	3.761	3.808	VV	4439	65143	1.91%	0.123%
23	3.817	3.808	3.838	VV	1354	18261	0.54%	0.035%
24	3.871	3.838	3.921	VV	6347	122828	3.60%	0.233%
25	3.957	3.921	3.992	VV	4847	81142	2.38%	0.154%
26	4.009	3.992	4.045	VV	2763	33931	1.00%	0.064%
27	4.065	4.045	4.082	VV	5602	54829	1.61%	0.104%
28	4.098	4.082	4.111	VV	5066	50353	1.48%	0.095%
29	4.122	4.111	4.176	VV	3487	71010	2.08%	0.135%
30	4.218	4.176	4.235	PV	5355	75725	2.22%	0.144%
31	4.249	4.235	4.271	VV	2635	36768	1.08%	0.070%
32	4.290	4.271	4.311	VV	3397	53552	1.57%	0.102%
33	4.327	4.311	4.354	VV	3991	49568	1.45%	0.094%
34	4.405	4.354	4.415	VV	4239	63354	1.86%	0.120%
35	4.423	4.415	4.437	VV	3978	41007	1.20%	0.078%
36	4.454	4.437	4.480	VV	5686	79257	2.32%	0.150%

					rteres			
37	4.494	4.480	4.539	VV	2482	44185	1.30%	0.084%
38	4.577	4.539	4.600	PV	3168	49986	1.47%	0.095%
39	4.622	4.600	4.650	VV	3619	60306	1.77%	0.114%
40	4.666	4.650	4.698	VV	1772	40391	1.18%	0.077%
41	4.720	4.698	4.738	VV	2380	27386	0.80%	0.052%
42	4.753	4.738	4.775	VV	2576	30700	0.90%	0.058%
43	4.791	4.775	4.823	VV	1749	22479	0.66%	0.043%
44	4.868	4.823	4.880	VV	2534	49779	1.46%	0.094%
45	4.898	4.880	4.915	VV	4489	63254	1.86%	0.120%
46	4.930	4.915	4.948	VV	3171	47625	1.40%	0.090%
47	4.965	4.948	4.981	VV	17227	170804	5.01%	0.324%
48	4.992	4.981	5.009	VV	7246	73226	2.15%	0.139%
49	5.026	5.009	5.034	VV	3644	44093	1.29%	0.084%
50	5.047	5.034	5.065	VV	5180	60928	1.79%	0.115%
51	5.096	5.065	5.111	VV	3742	64399	1.89%	0.122%
52	5.131	5.111	5.168	VV	7529	156519	4.59%	0.297%
53	5.200	5.168	5.237	VV	8455	132217	3.88%	0.251%
54	5.262	5.237	5.279	VV	2991	44773	1.31%	0.085%
55	5.299	5.279	5.323	VV	3204	48121	1.41%	0.091%
56	5.359	5.323	5.376	VV	5111	77891	2.28%	0.148%
57	5.391	5.376	5.419	VV	6179	83994	2.46%	0.159%
58	5.443	5.419	5.454	VV	3357	42859	1.26%	0.081%
59	5.471	5.454	5.485	VV	7618	87200	2.56%	0.165%
60	5.496	5.485	5.540	VV	4417	96359	2.83%	0.183%
61	5.556	5.540	5.581	VV	6094	74500	2.18%	0.141%
62	5.602	5.581	5.616	VV	5636	74695	2.19%	0.142%
63	5.626	5.616	5.639	VV	4553	50454	1.48%	0.096%
64	5.669	5.639	5.688	VV	5719	112860	3.31%	0.214%
65	5.700	5.688	5.715	VV	5263	58483	1.72%	0.111%
66	5.730	5.715	5.780	VV	3837	95256	2.79%	0.181%
67	5.842	5.780	5.874	VV	9767	237476	6.96%	0.450%
68	5.895	5.874	5.933	VV	2846	60715	1.78%	0.115%
69	5.956	5.933	5.990	VV	2197	61046	1.79%	0.116%
70	6.013	5.990	6.061	VV	11283	212075	6.22%	0.402%
71	6.087	6.061	6.101	VV	3104	57177	1.68%	0.108%
72	6.133	6.101	6.157	VV	10713	224968	6.60%	0.426%
73	6.175	6.157	6.203	VV	8519	129811	3.81%	0.246%
74	6.213	6.203	6.224	VV	2897	28997	0.85%	0.055%
75	6.254	6.224	6.280	VV	3674	81592	2.39%	0.155%
76	6.303	6.280	6.325	PV	4618	58432	1.71%	0.111%
77	6.355	6.325	6.377	VV	5154	92714	2.72%	0.176%
78	6.402	6.377	6.440	VV	8243	154617	4.53%	0.293%
79	6.453	6.440	6.472	VV	4472	54365	1.59%	0.103%
80	6.505	6.472	6.524	VV	2847	64534	1.89%	0.122%
81	6.546	6.524	6.574	VV	4591	102560	3.01%	0.194%
82	6.589	6.574	6.614	VV	3664	70590	2.07%	0.134%
83	6.630	6.614	6.641	VV	3151	41811	1.23%	0.079%
84	6.655	6.641	6.669	VV	3958	56096	1.65%	0.106%
85	6.685	6.669	6.710	VV	4379	81624	2.39%	0.155%
86	6.730	6.710	6.752	VV	4950	81500	2.39%	0.154%
87	6.777	6.752	6.821	VV	3771	116045	3.40%	0.220%
88	6.831	6.821	6.837	VV	2144	19457	0.57%	0.037%
89	6.853	6.837	6.866	VV	3872	47771	1.40%	0.091%

					rteres			
90	6.875	6.866	6.905	VV	2904	44646	1.31%	0.085%
91	6.946	6.905	6.961	VV	2200	54320	1.59%	0.103%
92	6.975	6.961	6.983	VV	2054	24380	0.72%	0.046%
93	7.009	6.983	7.031	VV	18809	219113	6.43%	0.415%
94	7.054	7.031	7.098	VV	5113	118681	3.48%	0.225%
95	7.141	7.098	7.162	VV	3300	78080	2.29%	0.148%
96	7.188	7.162	7.214	VV	5799	100320	2.94%	0.190%
97	7.224	7.214	7.238	VV	2686	30862	0.91%	0.059%
98	7.268	7.238	7.299	VV	3778	84849	2.49%	0.161%
99	7.331	7.299	7.353	VV	2865	68630	2.01%	0.130%
100	7.395	7.353	7.414	VV	4857	127585	3.74%	0.242%
101	7.432	7.414	7.464	VV	5703	97565	2.86%	0.185%
102	7.499	7.464	7.523	VV	15549	211854	6.21%	0.402%
103	7.536	7.523	7.557	VV	2904	44646	1.31%	0.085%
104	7.579	7.557	7.618	VV	16079	231717	6.80%	0.439%
105	7.638	7.618	7.664	VV	14118	171766	5.04%	0.326%
106	7.683	7.664	7.701	VV	4689	67673	1.98%	0.128%
107	7.726	7.701	7.748	VV	2523	60108	1.76%	0.114%
108	7.805	7.748	7.840	VV	3817	141442	4.15%	0.268%
109	7.860	7.840	7.877	VV	2607	47224	1.39%	0.090%
110	7.898	7.877	7.915	VV	3393	59451	1.74%	0.113%
111	7.927	7.915	7.936	VV	2515	29982	0.88%	0.057%
112	7.947	7.936	7.960	VV	2681	32009	0.94%	0.061%
113	7.985	7.960	8.012	VV	6868	122025	3.58%	0.231%
114	8.028	8.012	8.058	VV	3396	64444	1.89%	0.122%
115	8.072	8.058	8.083	VV	1480	18820	0.55%	0.036%
116	8.181	8.171	8.214	VV	2346	46848	1.37%	0.089%
117	8.242	8.214	8.256	VV	2789	51721	1.52%	0.098%
118	8.269	8.256	8.284	VV	2636	41139	1.21%	0.078%
119	8.293	8.284	8.312	VV	2756	36323	1.07%	0.069%
120	8.337	8.312	8.356	VV	3390	57342	1.68%	0.109%
121	8.401	8.356	8.426	VV	4308	116777	3.42%	0.221%
122	8.442	8.426	8.468	VV	2642	52826	1.55%	0.100%
123	8.511	8.468	8.558	VV	17566	299687	8.79%	0.568%
124	8.565	8.558	8.588	VV	2145	33100	0.97%	0.063%
125	8.622	8.588	8.636	VV	11353	163677	4.80%	0.310%
126	8.650	8.636	8.669	VV	10003	115639	3.39%	0.219%
127	8.690	8.669	8.720	VV	5009	100474	2.95%	0.190%
128	8.739	8.720	8.758	VV	3799	57631	1.69%	0.109%
129	8.789	8.758	8.848	VV	4948	157519	4.62%	0.299%
130	8.862	8.848	8.876	VV	2258	31922	0.94%	0.061%
131	8.900	8.876	8.933	VV	3087	69964	2.05%	0.133%
132	8.946	8.933	8.961	VV	1855	24532	0.72%	0.047%
133	9.058	9.041	9.087	VV	2613	50987	1.50%	0.097%
134	9.110	9.087	9.134	VV	3745	66634	1.95%	0.126%
135	9.160	9.134	9.196	VV	2840	74508	2.19%	0.141%
136	9.235	9.196	9.261	VV	10392	160534	4.71%	0.304%
137	9.274	9.261	9.301	VV	1461	29422	0.86%	0.056%
138	9.317	9.301	9.331	VV	1365	21141	0.62%	0.040%
139	9.350	9.331	9.368	VV	3184	46014	1.35%	0.087%
140	9.384	9.368	9.405	VV	3486	46584	1.37%	0.088%
141	9.424	9.405	9.446	VV	2246	41852	1.23%	0.079%

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142	9.474	9.446	9.490	VV	2331	47879	1.40%	0.091%
143	9.522	9.490	9.543	VV	5318	84059	2.47%	0.159%
144	9.563	9.543	9.591	VV	4187	62190	1.82%	0.118%
145	9.608	9.591	9.638	VV	1213	26142	0.77%	0.050%
146	9.680	9.638	9.697	VV	3292	51200	1.50%	0.097%
147	9.712	9.697	9.748	VV	2635	39147	1.15%	0.074%
148	9.759	9.748	9.777	VV	802	11893	0.35%	0.023%
149	9.817	9.777	9.842	VV	3081	55276	1.62%	0.105%
150	9.858	9.842	9.874	VV	934	13728	0.40%	0.026%
151	9.900	9.874	9.950	VV	4413	78783	2.31%	0.149%
152	9.981	9.950	10.010	VV	3857	68600	2.01%	0.130%
153	10.023	10.010	10.035	VV	1041	12737	0.37%	0.024%
154	10.057	10.035	10.071	VV	1858	29936	0.88%	0.057%
155	10.081	10.071	10.096	VV	1520	18735	0.55%	0.036%
156	10.111	10.096	10.151	VV	1320	28988	0.85%	0.055%
157	10.179	10.151	10.203	VV	8661	96339	2.83%	0.183%
158	10.225	10.203	10.245	VV	1943	28622	0.84%	0.054%
159	10.263	10.245	10.291	VV	1266	27241	0.80%	0.052%
160	10.309	10.291	10.362	VV	2486	56508	1.66%	0.107%
161	10.390	10.362	10.403	VV	733	12998	0.38%	0.025%
162	10.417	10.403	10.458	VV	650	11017	0.32%	0.021%
163	10.487	10.458	10.568	PV	622	19139	0.56%	0.036%
164	10.586	10.568	10.605	VV	346	5085	0.15%	0.010%
165	10.653	10.605	10.672	VV	1566	22886	0.67%	0.043%
166	10.698	10.672	10.728	VV	3500	50829	1.49%	0.096%
167	10.758	10.728	10.771	VV	1498	24430	0.72%	0.046%
168	10.787	10.771	10.812	VV	1861	27716	0.81%	0.053%
169	10.831	10.812	10.872	VV	1593	25733	0.75%	0.049%
170	10.906	10.872	10.937	VV	1427	30540	0.90%	0.058%
171	10.960	10.937	10.998	VV	2041	41394	1.21%	0.078%
172	11.005	10.998	11.021	VV	779	9427	0.28%	0.018%
173	11.049	11.021	11.067	VV	2695	40719	1.19%	0.077%
174	11.078	11.067	11.093	VV	1320	15437	0.45%	0.029%
175	11.120	11.093	11.190	VV	4966	94972	2.79%	0.180%
176	11.212	11.190	11.234	VV	919	13446	0.39%	0.025%
177	11.279	11.234	11.289	VV	976	16191	0.47%	0.031%
178	11.314	11.289	11.364	VV	28410	308404	9.05%	0.585%
179	11.389	11.364	11.413	VV	7541	85952	2.52%	0.163%
180	11.445	11.413	11.477	VV	1039	23979	0.70%	0.045%
181	11.504	11.477	11.517	VV	683	12270	0.36%	0.023%
182	11.528	11.517	11.551	VV	769	10084	0.30%	0.019%
183	11.561	11.551	11.578	VV	473	5708	0.17%	0.011%
184	11.603	11.578	11.645	VV	1281	27695	0.81%	0.052%
185	11.683	11.645	11.699	PV	689	12930	0.38%	0.025%
186	11.711	11.699	11.733	VV	573	9557	0.28%	0.018%
187	11.756	11.733	11.777	VV	1587	22394	0.66%	0.042%
188	11.847	11.777	11.884	VV	2650	55137	1.62%	0.105%
189	11.915	11.884	11.936	PV	958	14653	0.43%	0.028%
190	11.971	11.936	11.990	VV	992	15210	0.45%	0.029%
191	12.008	11.990	12.032	VV	696	9881	0.29%	0.019%
192	12.082	12.032	12.106	VV	93344	991815	29.09%	1.880%
193	12.121	12.106	12.136	VV	4986	56078	1.64%	0.106%
194	12.152	12.136	12.193	VV	6629	75945	2.23%	0.144%

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195	12.238	12.193	12.255	VV	4282	78866	2.31%	0.149%
196	12.271	12.255	12.285	VV	3687	40988	1.20%	0.078%
197	12.302	12.285	12.334	VV	5183	62879	1.84%	0.119%
198	12.346	12.334	12.354	PV	174	1139	0.03%	0.002%
199	12.374	12.354	12.387	VV	305	5076	0.15%	0.010%
200	12.429	12.387	12.461	VV	2136	37868	1.11%	0.072%
201	12.486	12.461	12.509	VV	5662	74412	2.18%	0.141%
202	12.531	12.509	12.554	VV	1843	32019	0.94%	0.061%
203	12.579	12.554	12.619	VV	5763	103335	3.03%	0.196%
204	12.674	12.619	12.695	VV	18807	243457	7.14%	0.461%
205	12.727	12.695	12.760	VV	20723	352575	10.34%	0.668%
206	12.771	12.760	12.788	VV	2499	30722	0.90%	0.058%
207	12.799	12.788	12.815	VV	1202	16191	0.47%	0.031%
208	12.840	12.815	12.857	VV	2546	41908	1.23%	0.079%
209	12.905	12.857	12.954	VV	46686	659644	19.35%	1.250%
210	12.974	12.954	12.983	VV	2207	27618	0.81%	0.052%
211	13.015	12.983	13.047	VV	298632	3409611	100.00%	6.463%
212	13.088	13.047	13.113	VV	4190	91533	2.68%	0.174%
213	13.144	13.113	13.193	VV	38565	586292	17.20%	1.111%
214	13.209	13.193	13.225	VV	1824	21148	0.62%	0.040%
215	13.239	13.225	13.285	VV	1413	35560	1.04%	0.067%
216	13.299	13.285	13.314	VV	786	9408	0.28%	0.018%
217	13.334	13.314	13.368	VV	2121	34939	1.02%	0.066%
218	13.381	13.368	13.404	VV	668	8950	0.26%	0.017%
219	13.445	13.404	13.457	PV	33627	358991	10.53%	0.680%
220	13.476	13.457	13.497	VV	99746	1114953	32.70%	2.113%
221	13.519	13.497	13.552	VV	70190	840378	24.65%	1.593%
222	13.572	13.552	13.600	VV	1003	18877	0.55%	0.036%
223	13.617	13.600	13.629	VV	1503	18355	0.54%	0.035%
224	13.647	13.629	13.667	VV	1637	27778	0.81%	0.053%
225	13.710	13.667	13.732	VV	5054	112974	3.31%	0.214%
226	13.753	13.732	13.814	VV	10322	209172	6.13%	0.396%
227	13.861	13.814	13.879	VV	2950	85826	2.52%	0.163%
228	13.912	13.879	13.940	VV	10017	187882	5.51%	0.356%
229	13.956	13.940	13.998	VV	4278	98825	2.90%	0.187%
230	14.033	13.998	14.063	VV	6533	136340	4.00%	0.258%
231	14.089	14.063	14.119	VV	5630	104928	3.08%	0.199%
232	14.145	14.119	14.162	VV	7516	104418	3.06%	0.198%
233	14.181	14.162	14.246	VV	5741	132200	3.88%	0.251%
234	14.272	14.246	14.291	VV	3233	57521	1.69%	0.109%
235	14.314	14.291	14.335	VV	4386	80892	2.37%	0.153%
236	14.355	14.335	14.382	VV	8807	118123	3.46%	0.224%
237	14.401	14.382	14.413	VV	1290	19016	0.56%	0.036%
238	14.427	14.413	14.450	VV	1463	23093	0.68%	0.044%
239	14.519	14.450	14.555	VV	2584	64551	1.89%	0.122%
240	14.563	14.555	14.581	VV	433	3819	0.11%	0.007%
241	14.643	14.581	14.690	PV	1426	34135	1.00%	0.065%
242	14.742	14.690	14.751	VV	1735	41241	1.21%	0.078%
243	14.769	14.751	14.808	VV	3973	59051	1.73%	0.112%
244	14.837	14.808	14.860	VV	2127	35884	1.05%	0.068%
245	14.885	14.860	14.915	VV	2319	51090	1.50%	0.097%
246	14.949	14.915	14.994	VV	2871	79334	2.33%	0.150%

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247	15.016	14.994	15.038	VV	5622	77511	2.27%	0.147%
248	15.073	15.038	15.124	VV	4231	102017	2.99%	0.193%
249	15.153	15.124	15.188	VV	4519	81641	2.39%	0.155%
250	15.200	15.188	15.254	VV	1353	33664	0.99%	0.064%
251	15.326	15.254	15.348	VV	19848	398529	11.69%	0.755%
252	15.369	15.348	15.401	VV	18914	242071	7.10%	0.459%
253	15.418	15.401	15.438	VV	972	13729	0.40%	0.026%
254	15.490	15.438	15.511	VV	2822	56036	1.64%	0.106%
255	15.544	15.511	15.598	VV	1746	57745	1.69%	0.109%
256	15.629	15.598	15.658	PV	1669	35646	1.05%	0.068%
257	15.674	15.658	15.721	VV	1566	37110	1.09%	0.070%
258	15.732	15.721	15.738	VV	410	3901	0.11%	0.007%
259	15.766	15.738	15.784	VV	3427	54433	1.60%	0.103%
260	15.793	15.784	15.838	VV	1772	30136	0.88%	0.057%
261	15.901	15.838	15.940	PV	2437	44338	1.30%	0.084%
262	15.959	15.940	15.976	VV	1210	15884	0.47%	0.030%
263	16.002	15.976	16.023	VV	5244	66427	1.95%	0.126%
264	16.040	16.023	16.069	VV	2467	32113	0.94%	0.061%
265	16.166	16.069	16.196	VV	2289	73284	2.15%	0.139%
266	16.242	16.196	16.266	VV	1093	19920	0.58%	0.038%
267	16.287	16.266	16.301	PV	545	6631	0.19%	0.013%
268	16.326	16.301	16.341	VV	902	12731	0.37%	0.024%
269	16.359	16.341	16.374	VV	910	11572	0.34%	0.022%
270	16.401	16.374	16.425	VV	2735	39284	1.15%	0.074%
271	16.433	16.425	16.463	VV	893	12149	0.36%	0.023%
272	16.533	16.463	16.550	VV	544	7989	0.23%	0.015%
273	16.611	16.550	16.631	PV	1694	35853	1.05%	0.068%
274	16.643	16.631	16.655	VV	517	4690	0.14%	0.009%
275	16.708	16.655	16.730	PV	1481	32740	0.96%	0.062%
276	16.812	16.730	16.837	VV	1928	66458	1.95%	0.126%
277	16.890	16.837	16.951	PV	18525	349168	10.24%	0.662%
278	16.973	16.951	16.987	VV	812	12562	0.37%	0.024%
279	17.021	16.987	17.045	VV	4662	68798	2.02%	0.130%
280	17.063	17.045	17.094	VV	1340	26265	0.77%	0.050%
281	17.113	17.094	17.128	VV	700	10707	0.31%	0.020%
282	17.144	17.128	17.153	VV	709	8344	0.24%	0.016%
283	17.213	17.153	17.239	VV	9788	163838	4.81%	0.311%
284	17.270	17.239	17.308	VV	13400	172082	5.05%	0.326%
285	17.363	17.308	17.409	PV	4154	113672	3.33%	0.215%
286	17.427	17.409	17.446	VV	829	14936	0.44%	0.028%
287	17.535	17.446	17.552	VV	884	35958	1.05%	0.068%
288	17.579	17.552	17.594	VV	944	17260	0.51%	0.033%
289	17.643	17.594	17.668	VV	1906	61046	1.79%	0.116%
290	17.684	17.668	17.708	VV	1651	25765	0.76%	0.049%
291	17.802	17.708	17.834	VV	6558	157536	4.62%	0.299%
292	17.857	17.834	17.874	VV	1873	29057	0.85%	0.055%
293	17.891	17.874	17.914	VV	1599	27423	0.80%	0.052%
294	17.937	17.914	17.964	VV	2693	46318	1.36%	0.088%
295	17.988	17.964	18.011	VV	1328	22111	0.65%	0.042%
296	18.031	18.011	18.040	PV	964	10303	0.30%	0.020%
297	18.058	18.040	18.071	VV	892	9977	0.29%	0.019%
298	18.115	18.071	18.126	PV	520	12507	0.37%	0.024%
299	18.183	18.126	18.194	PV	1312	33952	1.00%	0.064%

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300	18.244	18.194	18.291	VV	7505	153908	4.51%	0.292%
301	18.317	18.291	18.343	VV	1017	19951	0.59%	0.038%
302	18.411	18.343	18.481	VV	5950	161024	4.72%	0.305%
303	18.552	18.481	18.565	VV	3013	51069	1.50%	0.097%
304	18.642	18.565	18.657	VV	9822	228516	6.70%	0.433%
305	18.667	18.657	18.707	VV	8070	144573	4.24%	0.274%
306	18.779	18.707	18.799	VV	10326	235338	6.90%	0.446%
307	18.810	18.799	18.864	VV	5636	118578	3.48%	0.225%
308	18.898	18.864	18.922	VV	9934	169410	4.97%	0.321%
309	18.937	18.922	18.954	VV	3062	53972	1.58%	0.102%
310	19.033	18.954	19.051	VV	5496	201981	5.92%	0.383%
311	19.078	19.051	19.111	VV	10368	232764	6.83%	0.441%
312	19.129	19.111	19.141	VV	4096	68574	2.01%	0.130%
313	19.160	19.141	19.174	VV	3982	72724	2.13%	0.138%
314	19.203	19.174	19.228	VV	7758	167983	4.93%	0.318%
315	19.252	19.228	19.278	VV	6381	152627	4.48%	0.289%
316	19.378	19.278	19.394	VV	7218	359406	10.54%	0.681%
317	19.475	19.394	19.510	VV	13930	639141	18.75%	1.212%
318	19.538	19.510	19.552	VV	10981	244984	7.19%	0.464%
319	19.606	19.552	19.628	VV	11339	477501	14.00%	0.905%
320	19.634	19.628	19.644	VV	10680	95914	2.81%	0.182%
321	19.728	19.644	19.761	VV	11950	766113	22.47%	1.452%
322	19.787	19.761	19.797	VV	11712	243631	7.15%	0.462%
323	19.811	19.797	19.824	VV	12234	190949	5.60%	0.362%
324	19.865	19.824	19.883	VV	18196	514151	15.08%	0.975%
325	19.917	19.883	19.953	VV	16356	647488	18.99%	1.227%
326	20.011	19.953	20.021	VV	17019	653351	19.16%	1.238%
327	20.055	20.021	20.091	VV	19156	718951	21.09%	1.363%
328	20.147	20.091	20.177	VV	20916	1012810	29.70%	1.920%
329	20.240	20.177	20.287	VV	25839	1497789	43.93%	2.839%
330	20.308	20.287	20.326	VV	22159	503418	14.76%	0.954%
331	20.440	20.326	20.474	VV	30873	2288800	67.13%	4.339%
332	20.602	20.474	20.618	VV	33180	2569575	75.36%	4.871%
333	20.694	20.618	20.725	VV	35856	2176433	63.83%	4.126%
334	20.752	20.725	20.760	VV	33700	702723	20.61%	1.332%
335	20.841	20.760	20.859	VV	35237	2023118	59.34%	3.835%
336	20.887	20.859	20.906	VV	34776	960069	28.16%	1.820%
337	20.966	20.906	21.024	VV	36281	2377478	69.73%	4.507%
338	21.041	21.024	21.074	VV	31093	903678	26.50%	1.713%
339	21.360	21.320	21.448	VV	25484	1776594	52.11%	3.368%
Sum of corrected areas:						52755283		

Aliphatic EPH 062725.M Wed Jul 09 08:26:33 2025



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC061825AL

AreaCount

Parameter Range	FC069221.D	FC069222.D	FC069223.D	FC069224.D	FC069225.D	
Aliphatic C9-C12	42176071.000	20640977.000	8581963.000	4632454.000	2366353.000	
Aliphatic C12-C16	29735945.000	14914656.000	6266673.000	3402693.000	1714249.000	
Aliphatic C16-C21	42009240.000	21363842.000	9096606.000	5044763.000	2549195.000	
Aliphatic C21-C28	49153709.000	24681333.000	10474538.000	5764217.000	2970075.000	
Aliphatic C28-C40	51466619.000	25624553.000	10688039.000	5834277.000	3093728.000	
Aliphatic EPH	214541584.000	107225361.000	45107819.000	24678404.000	12693600.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	146679.6266662	6.053				
Aliphatic C12-C16	159210.532	6.932				
Aliphatic C16-C21	154434.3226664	9.092				
Aliphatic C21-C28	133966.3675	8.814				
Aliphatic C28-C40	92124.4166662	8.439				
Aliphatic EPH	128354.1601108	7.942				

Concentration

Parameter Range	FC069221.D	FC069222.D	FC069223.D	FC069224.D	FC069225.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FC069221.D	FC069222.D	FC069223.D	FC069224.D	FC069225.D	
Aliphatic C9-C12	140586.903333	137606.513333	143032.716666	154415.133333	157756.866666	
Aliphatic C12-C16	148679.725000	149146.560000	156666.825000	170134.650000	171424.900000	
Aliphatic C16-C21	140030.800000	142425.613333	151610.100000	168158.766666	169946.333333	

Initial Calibration Report for SequenceID : FC061825AL

Aliphatic C21-C28	122884.272500	123406.665000	130931.725000	144105.425000	148503.750000	
Aliphatic C28-C40	85777.698333	85415.176666	89066.991666	97237.950000	103124.266666	
Aliphatic EPH	119189.768888	119139.290000	125299.497222	137102.244444	141040.000000	

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

Instrument :
 FID_C
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Jun 18 13:03:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 13:00:39 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.693	15986001	97.180 ug/ml
Spiked Amount 50.000		Recovery =	194.36%
12) S 1-chlorooctadecane (S...	13.126	11916196	96.429 ug/ml
Spiked Amount 50.000		Recovery =	192.86%
Target Compounds			
1) T n-Nonane (C9)	3.414	13645652	99.307 ug/ml
2) T n-Decane (C10)	4.488	14045970	99.234 ug/ml
3) T A~Naphthalene (C11.7)	6.084	15351850	98.877 ug/ml
4) T n-Dodecane (C12)	6.515	14484449	98.886 ug/ml
5) T A~2-methylnaphthalene...	7.146	15098330	98.803 ug/ml
6) T n-Tetradecane (C14)	8.315	14646111	97.954 ug/ml
7) T n-Hexadecane (C16)	9.922	15089834	96.838 ug/ml
8) T n-Octadecane (C18)	11.369	14862064	96.162 ug/ml
10) T n-Eicosane (C20)	12.680	13798752	95.895 ug/ml
11) T n-Heneicosane (C21)	13.294	13348424	96.021 ug/ml
13) T n-Docosane (C22)	13.881	13057210	96.175 ug/ml
14) T n-Tetracosane (C24)	14.986	12613064	96.664 ug/ml
15) T n-Hexacosane (C26)	16.008	12075116	97.240 ug/ml
16) T n-Octacosane (C28)	16.960	11408319	97.337 ug/ml
17) T n-Tricontane (C30)	17.849	10984628	97.402 ug/ml
18) T n-Dotriacontane (C32)	18.683	10087033	97.565 ug/ml
19) T n-Tetratriacontane (C34)	19.468	8976674	97.988 ug/ml
20) T n-Hexatriacontane (C36)	20.209	7711070	98.564 ug/ml
21) T n-Octatriacontane (C38)	20.980	7003730	98.486 ug/ml
22) T n-Tetracontane (C40)	21.951	6703484	99.440 ug/ml

(f)=RT Delta > 1/2 Window

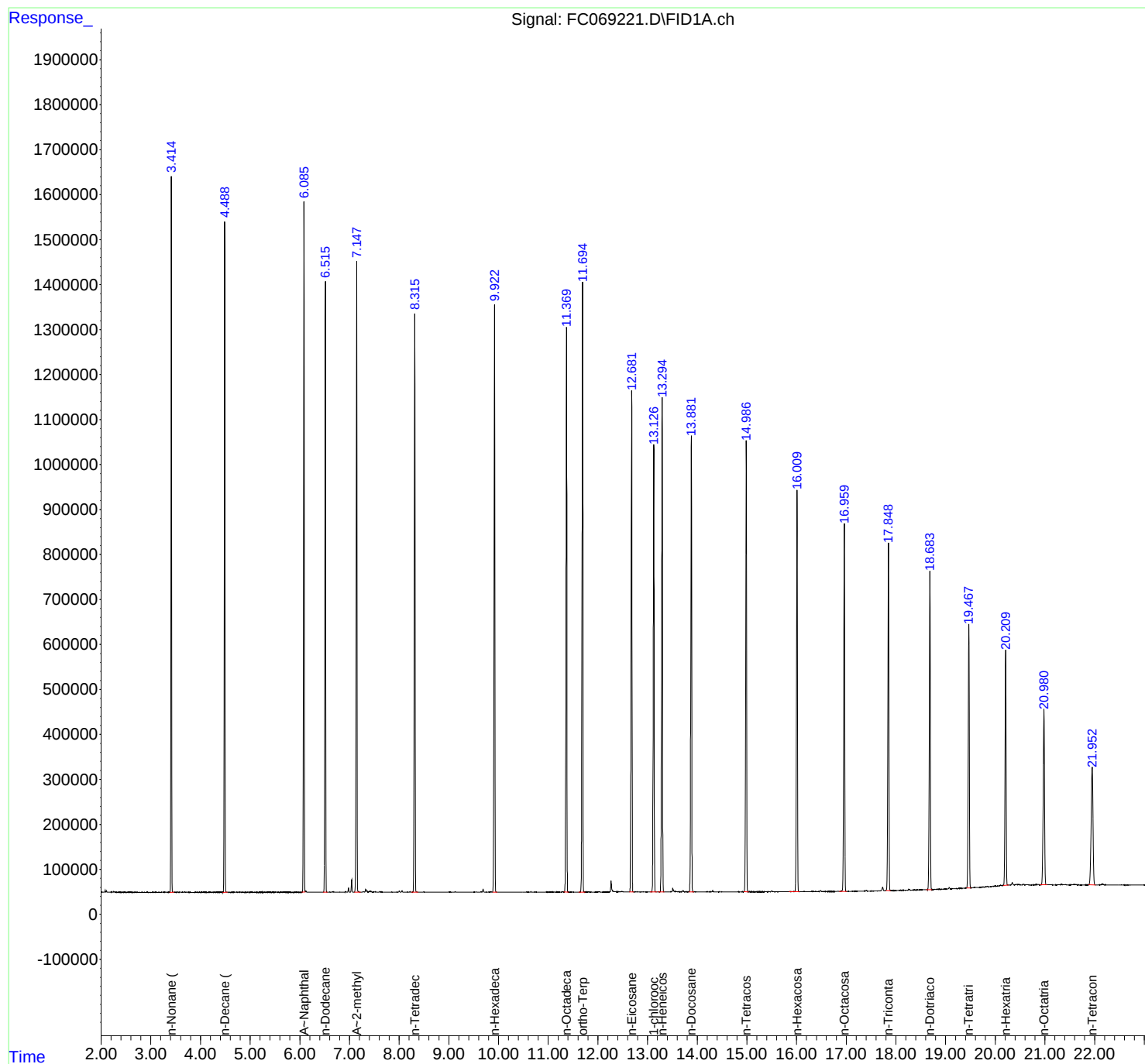
(m)=manual int.

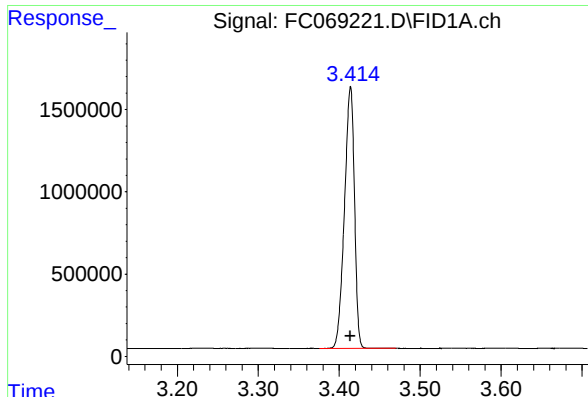
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069221.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 11:17
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jun 18 13:03:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 13:00:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

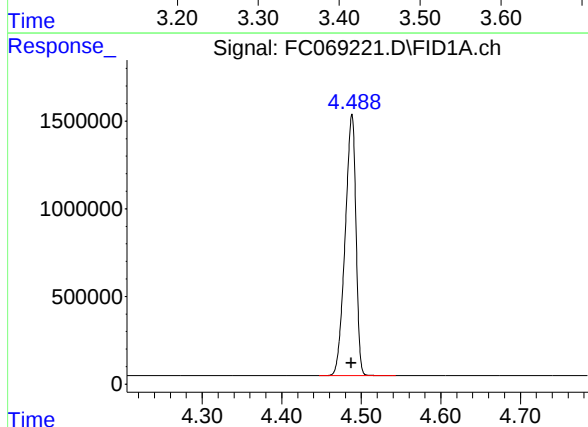




#1 n-Nonane (C9)

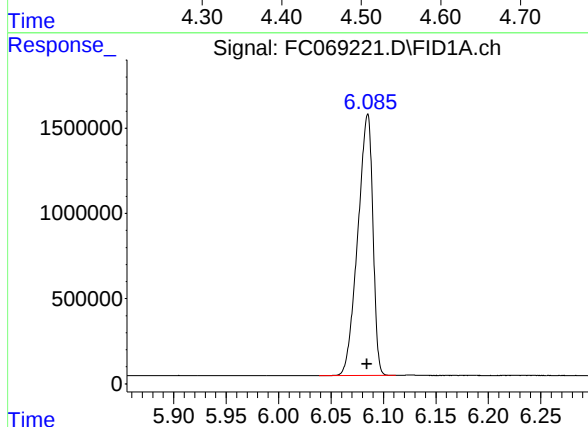
R.T.: 3.414 min
Delta R.T.: 0.000 min
Response: 13645652
Conc: 99.31 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



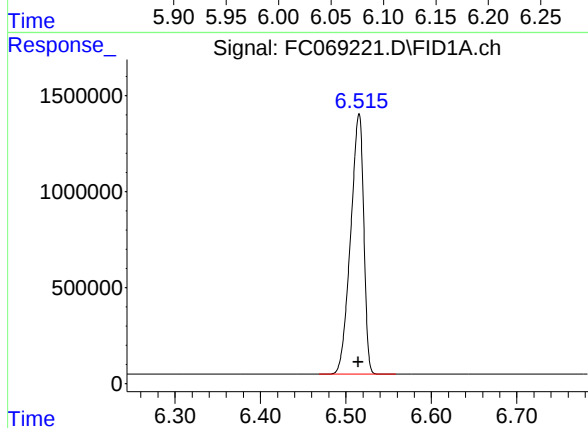
#2 n-Decane (C10)

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



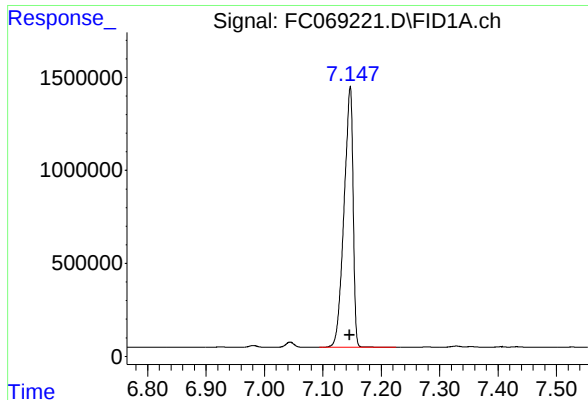
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

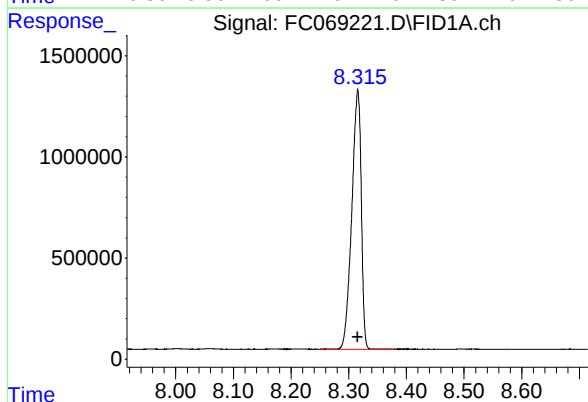
R.T.: 6.515 min
Delta R.T.: 0.000 min
Response: 14484449
Conc: 98.89 ug/ml



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

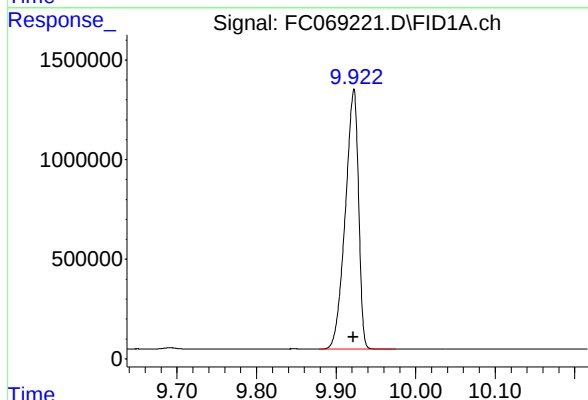
R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 15098330
Conc: 98.80 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



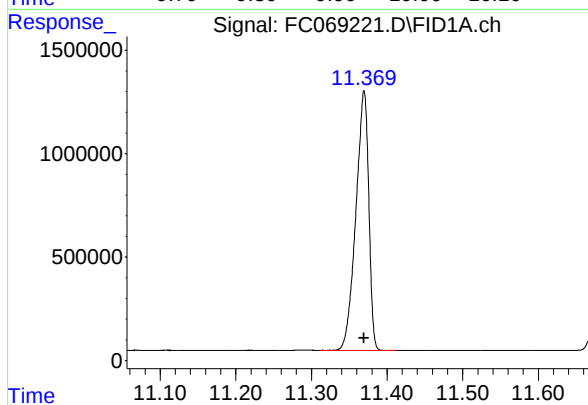
#6 n-Tetradecane (C14)

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



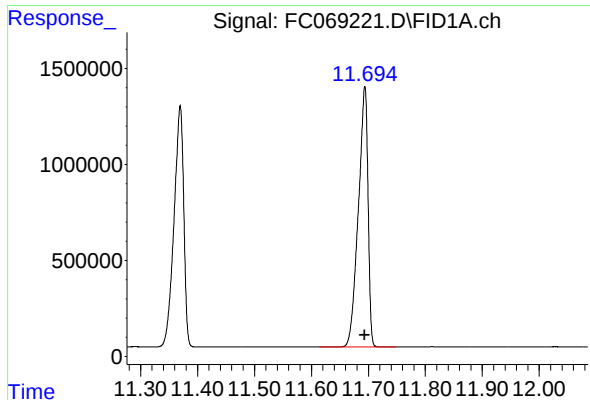
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

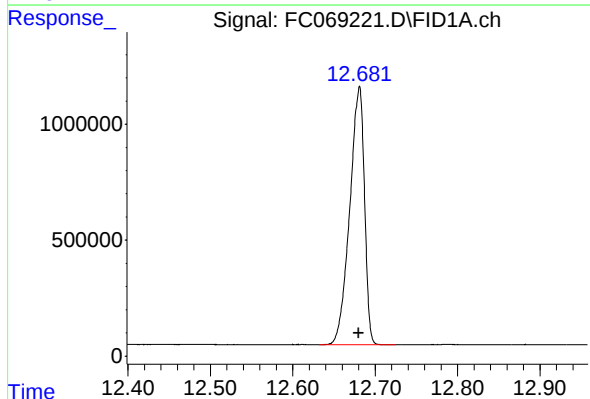
R.T.: 11.369 min
Delta R.T.: 0.000 min
Response: 14862064
Conc: 96.16 ug/ml



#9 ortho-Terphenyl (SURR)

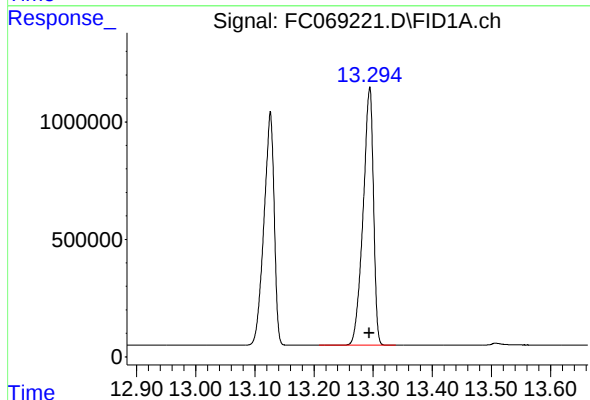
R.T.: 11.693 min
Delta R.T.: 0.000 min
Response: 15986001
Conc: 97.18 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



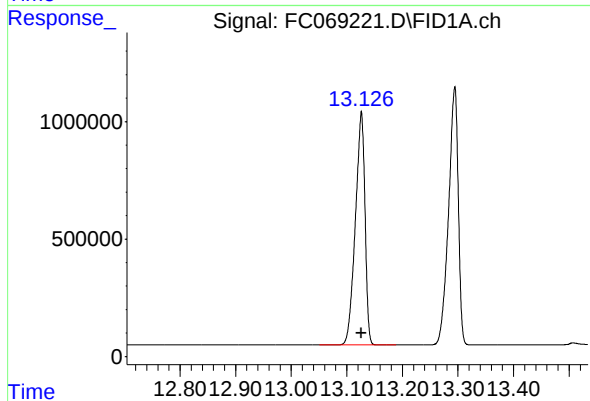
#10 n-Eicosane (C20)

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



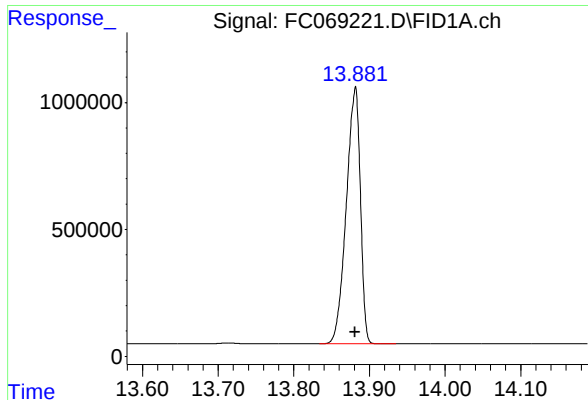
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

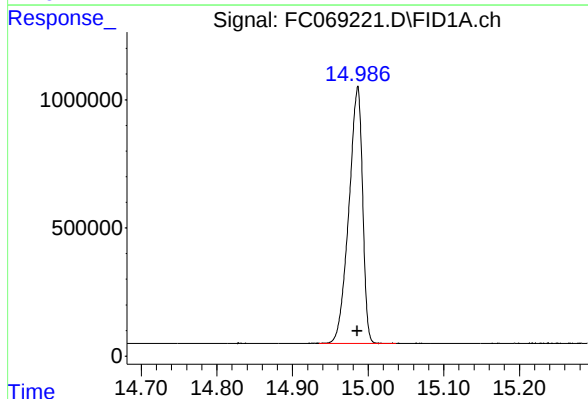
R.T.: 13.126 min
Delta R.T.: 0.000 min
Response: 11916196
Conc: 96.43 ug/ml



#13 n-Docosane (C22)

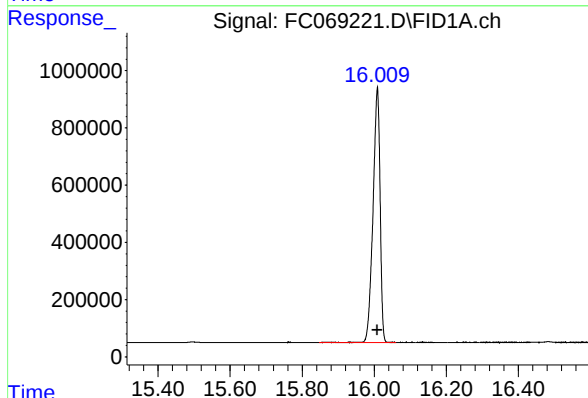
R.T.: 13.881 min
Delta R.T.: 0.000 min
Response: 13057210
Conc: 96.17 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



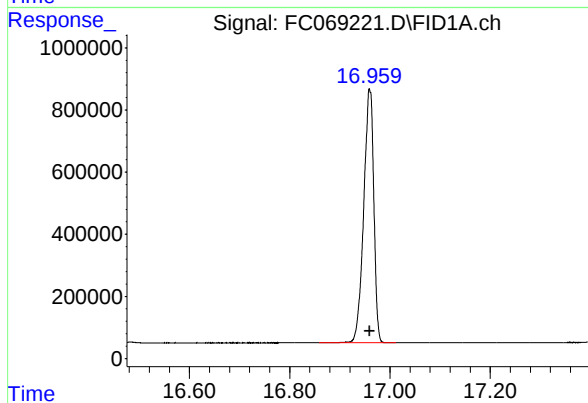
#14 n-Tetracosane (C24)

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



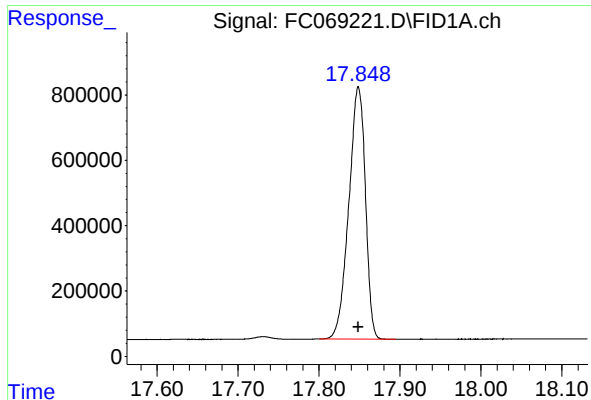
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

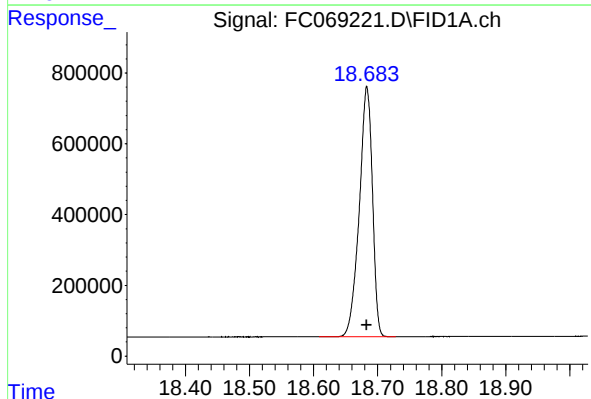
R.T.: 16.960 min
Delta R.T.: 0.000 min
Response: 11408319
Conc: 97.34 ug/ml



#17 n-Tricontane (C30)

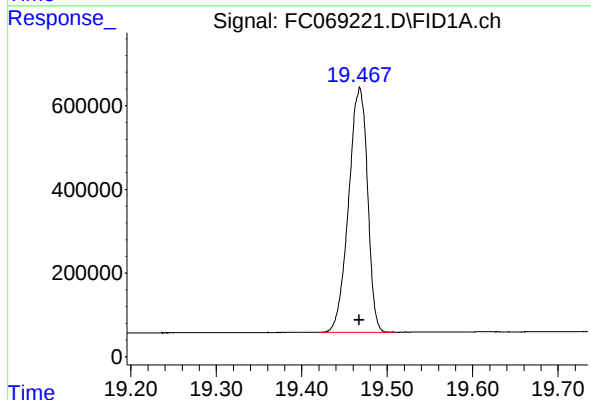
R.T.: 17.849 min
Delta R.T.: 0.000 min
Response: 10984628
Conc: 97.40 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



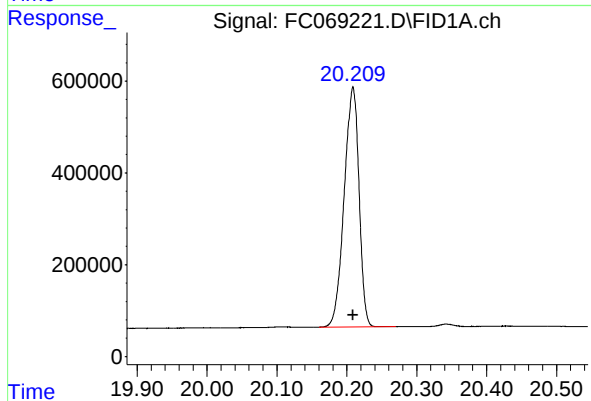
#18 n-Dotriacontane (C32)

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



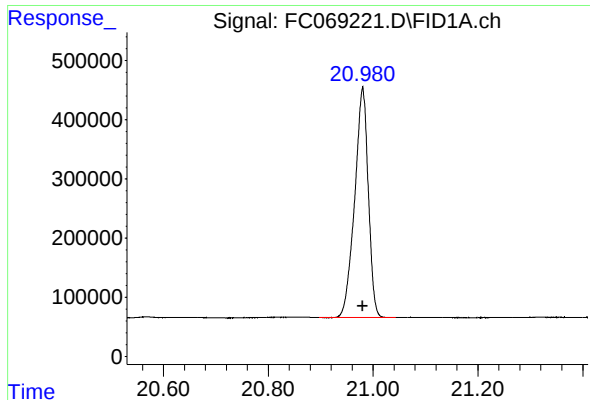
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

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



#21 n-Octatriacontane (C38)

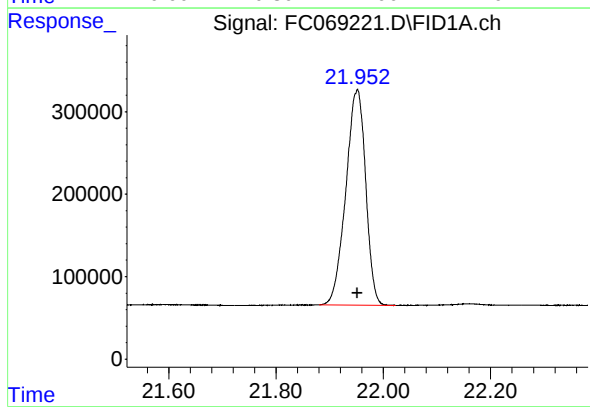
R.T.: 20.980 min
Delta R.T.: 0.000 min
Response: 7003730
Conc: 98.49 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.951 min
Delta R.T.: 0.000 min
Response: 6703484
Conc: 99.44 ug/ml

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.414	3.375	3.470	BB	1589425	13645652	85.36%	5.000%
2	4.488	4.447	4.543	BB	1501566	14045970	87.86%	5.147%
3	6.084	6.038	6.112	BV	1547258	15351850	96.03%	5.626%
4	6.515	6.468	6.558	BB	1360162	14484449	90.61%	5.308%
5	7.146	7.093	7.225	BB	1411463	15098330	94.45%	5.533%
6	8.315	8.248	8.382	BB	1279328	14646111	91.62%	5.367%
7	9.922	9.878	9.975	BB	1299249	15089834	94.39%	5.530%
8	11.369	11.310	11.412	BB	1250407	14862064	92.97%	5.446%
9	11.693	11.613	11.748	BB	1361720	15986001	100.00%	5.858%
10	12.680	12.632	12.725	BB	1105551	13798752	86.32%	5.056%
11	13.126	13.050	13.188	BB	986163	11916196	74.54%	4.367%
12	13.294	13.208	13.338	BB	1091366	13348424	83.50%	4.891%
13	13.881	13.833	13.935	BB	997311	13057210	81.68%	4.785%
14	14.986	14.935	15.037	BB	992019	12613064	78.90%	4.622%
15	16.008	15.847	16.060	BB	889459	12075116	75.54%	4.425%
16	16.960	16.858	17.012	BB	811298	11408319	71.36%	4.180%
17	17.849	17.800	17.895	BB	772421	10984628	68.71%	4.025%
18	18.683	18.608	18.728	BB	706729	10087033	63.10%	3.696%
19	19.468	19.420	19.510	BB	581252	8976674	56.15%	3.289%
20	20.209	20.160	20.270	BB	522339	7711070	48.24%	2.826%
21	20.980	20.897	21.043	BB	389701	7003730	43.81%	2.566%
22	21.951	21.880	22.023	BB	262169	6703484	41.93%	2.456%
Sum of corrected areas:						272893962		

Aliphatic EPH 061825.M Wed Jun 18 14:39:06 2025

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

Instrument :
 FID_C
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Jun 18 13:04:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 13:00:39 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.686	8035113	49.225 ug/ml
Spiked Amount 50.000		Recovery =	98.45%
12) S 1-chlorooctadecane (S...	13.120	6029490	49.188 ug/ml
Spiked Amount 50.000		Recovery =	98.38%
Target Compounds			
1) T n-Nonane (C9)	3.410	6643725	48.888 ug/ml
2) T n-Decane (C10)	4.483	6866535	48.998 ug/ml
3) T A~Naphthalene (C11.7)	6.079	7502425	48.868 ug/ml
4) T n-Dodecane (C12)	6.510	7130717	49.113 ug/ml
5) T A~2-methylnaphthalene...	7.140	7422117	49.038 ug/ml
6) T n-Tetradecane (C14)	8.310	7295732	49.190 ug/ml
7) T n-Hexadecane (C16)	9.916	7618924	49.257 ug/ml
8) T n-Octadecane (C18)	11.362	7565304	49.295 ug/ml
10) T n-Eicosane (C20)	12.673	7024996	49.208 ug/ml
11) T n-Heneicosane (C21)	13.287	6773542	49.143 ug/ml
13) T n-Docosane (C22)	13.874	6604673	49.090 ug/ml
14) T n-Tetracosane (C24)	14.980	6337022	49.034 ug/ml
15) T n-Hexacosane (C26)	16.002	6031220	49.037 ug/ml
16) T n-Octacosane (C28)	16.954	5708418	49.129 ug/ml
17) T n-Tricontane (C30)	17.843	5495136	49.144 ug/ml
18) T n-Dotriacontane (C32)	18.677	5055272	49.259 ug/ml
19) T n-Tetratriacontane (C34)	19.461	4482554	49.282 ug/ml
20) T n-Hexatriacontane (C36)	20.203	3834019	49.334 ug/ml
21) T n-Octatriacontane (C38)	20.973	3467597	49.167 ug/ml
22) T n-Tetracontane (C40)	21.942	3289975	49.196 ug/ml

(f)=RT Delta > 1/2 Window

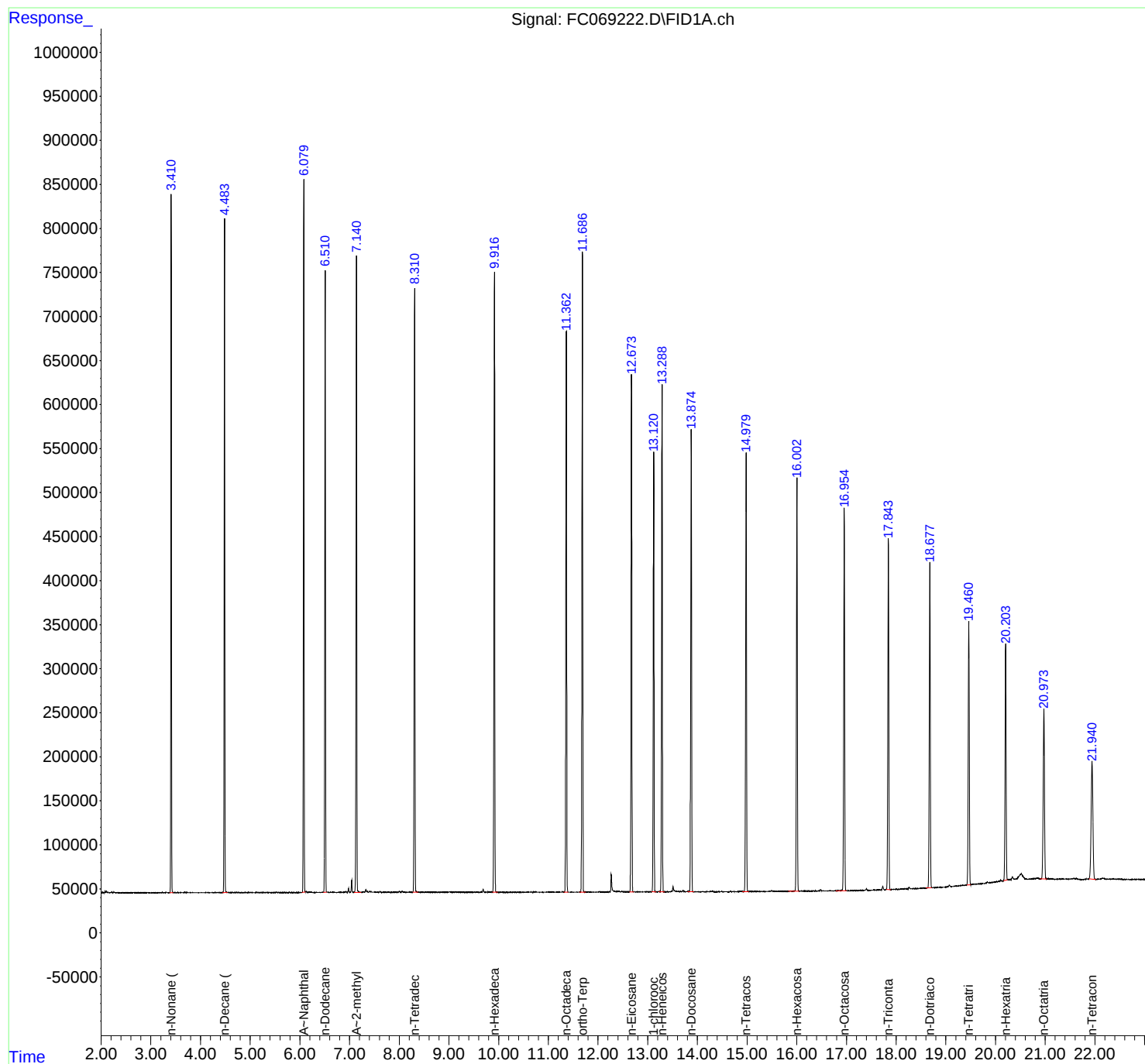
(m)=manual int.

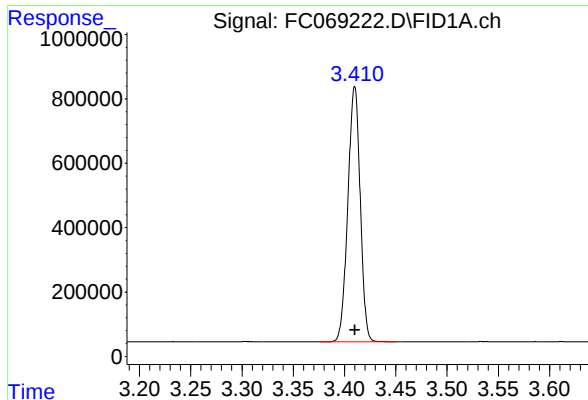
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069222.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 11:58
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Jun 18 13:04:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 13:00:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

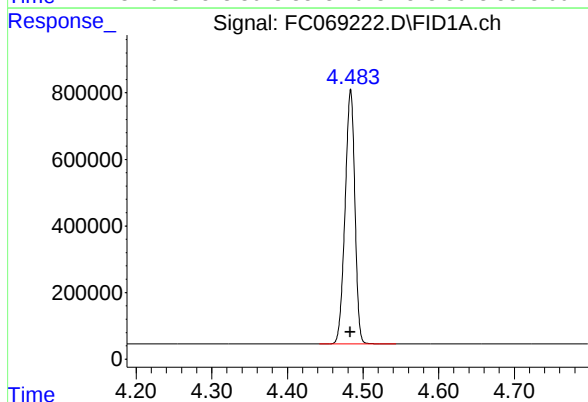




#1 n-Nonane (C9)

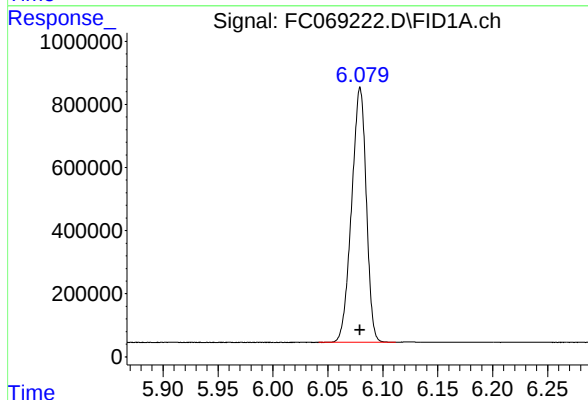
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 6643725
Conc: 48.89 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



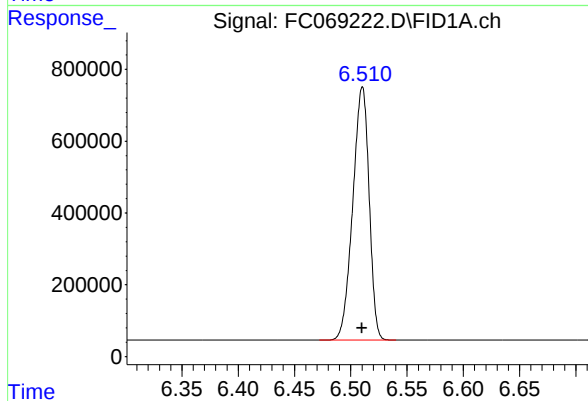
#2 n-Decane (C10)

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



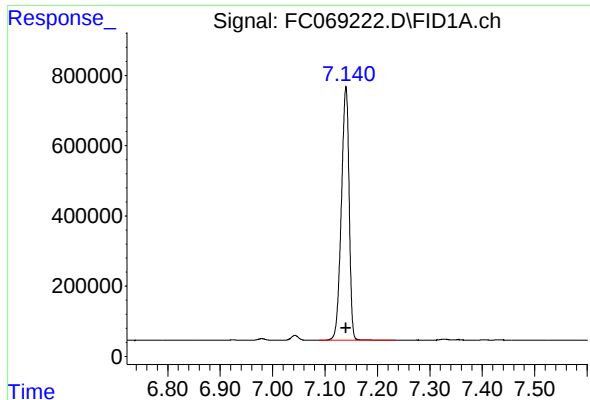
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

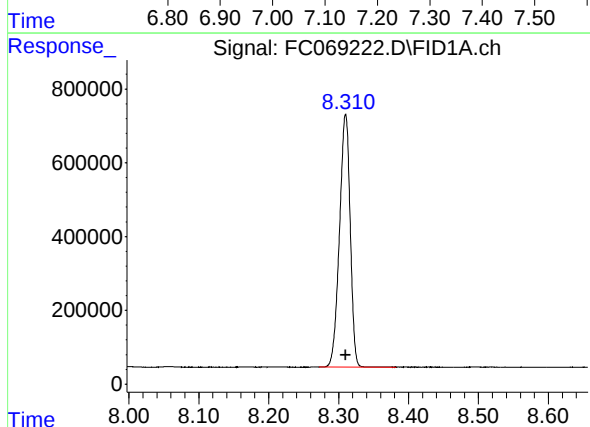
R.T.: 6.510 min
Delta R.T.: 0.000 min
Response: 7130717
Conc: 49.11 ug/ml



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

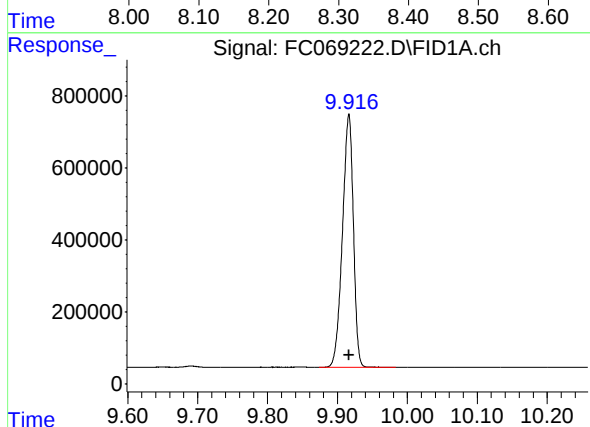
R.T.: 7.140 min
Delta R.T.: 0.000 min
Response: 7422117
Conc: 49.04 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



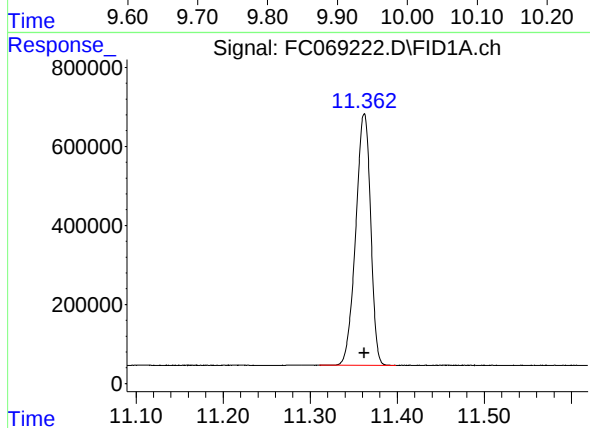
#6 n-Tetradecane (C14)

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



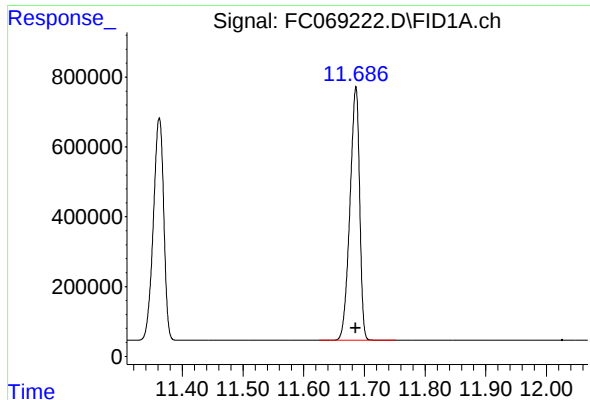
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

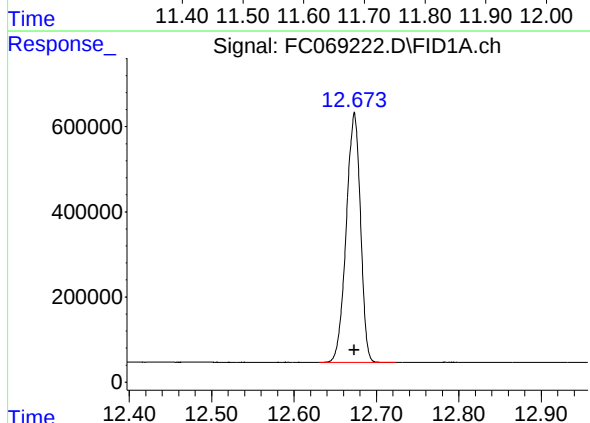
R.T.: 11.362 min
Delta R.T.: 0.000 min
Response: 7565304
Conc: 49.29 ug/ml



#9 ortho-Terphenyl (SURR)

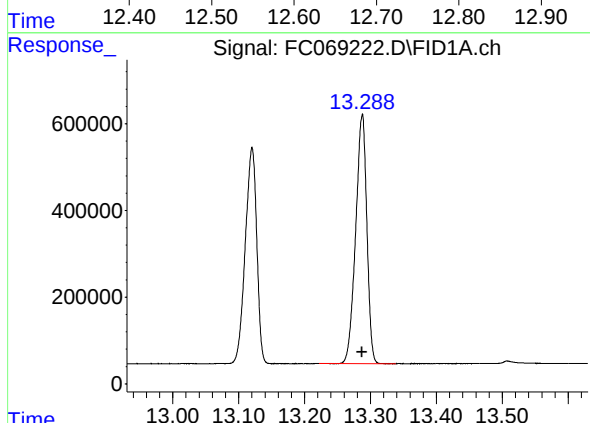
R.T.: 11.686 min
Delta R.T.: 0.000 min
Response: 8035113
Conc: 49.22 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



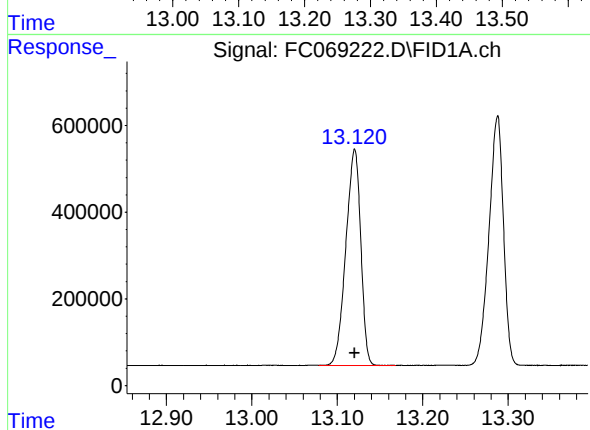
#10 n-Eicosane (C20)

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



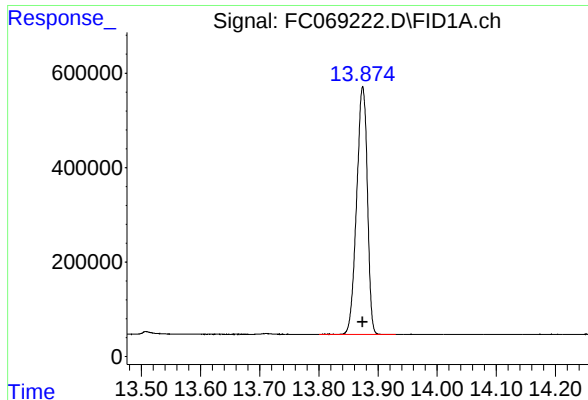
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

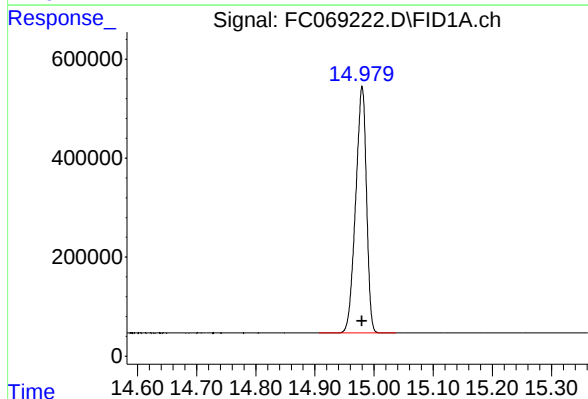
R.T.: 13.120 min
Delta R.T.: 0.000 min
Response: 6029490
Conc: 49.19 ug/ml



#13 n-Docosane (C22)

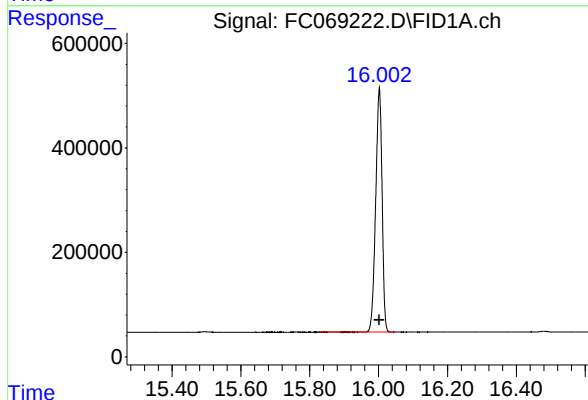
R.T.: 13.874 min
Delta R.T.: 0.000 min
Response: 6604673
Conc: 49.09 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



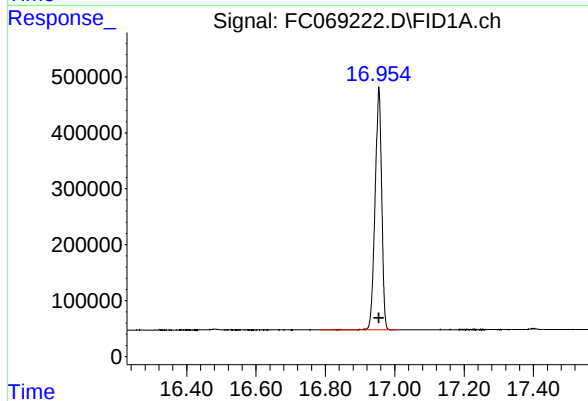
#14 n-Tetracosane (C24)

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



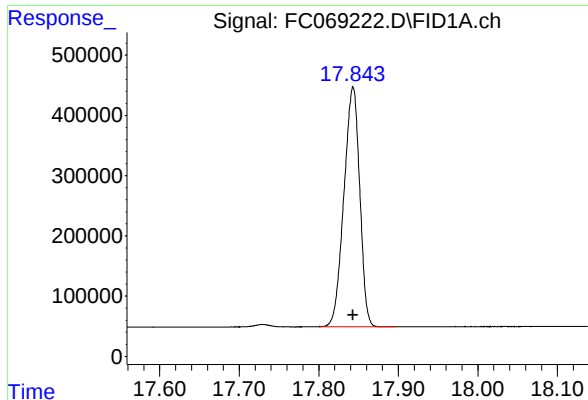
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

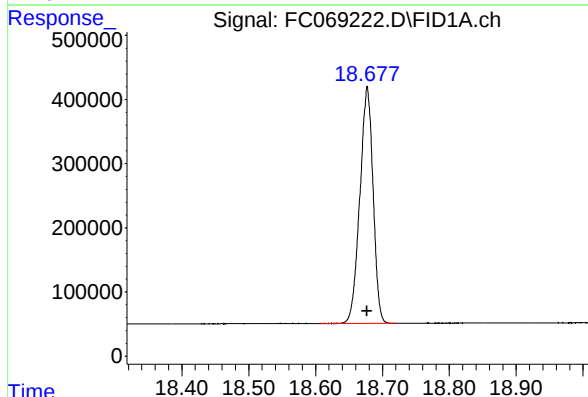
R.T.: 16.954 min
Delta R.T.: 0.000 min
Response: 5708418
Conc: 49.13 ug/ml



#17 n-Tricontane (C30)

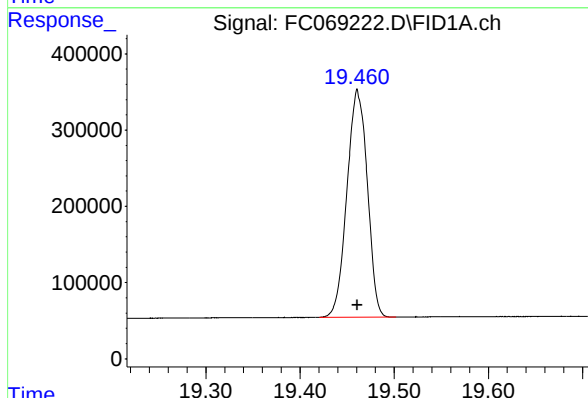
R.T.: 17.843 min
Delta R.T.: 0.000 min
Response: 5495136
Conc: 49.14 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



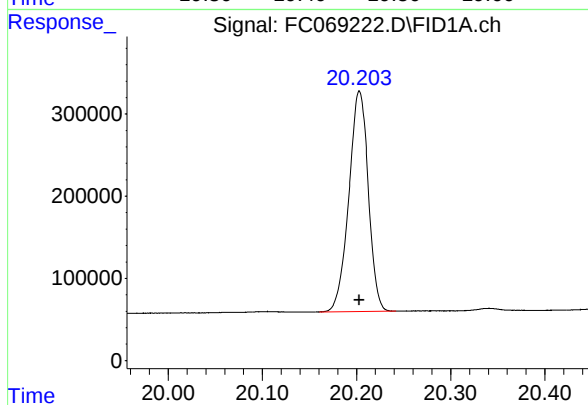
#18 n-Dotriacontane (C32)

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



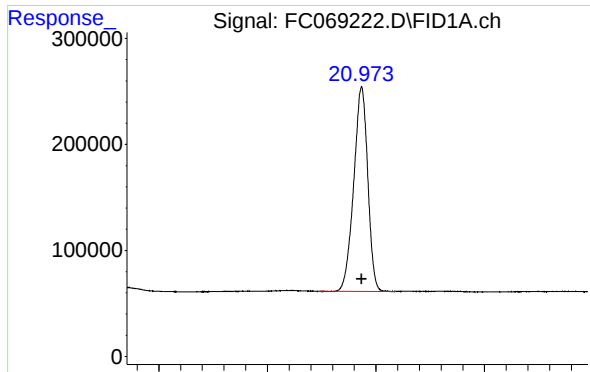
#19 n-Tetatriacontane (C34)

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



#20 n-Hexatriacontane (C36)

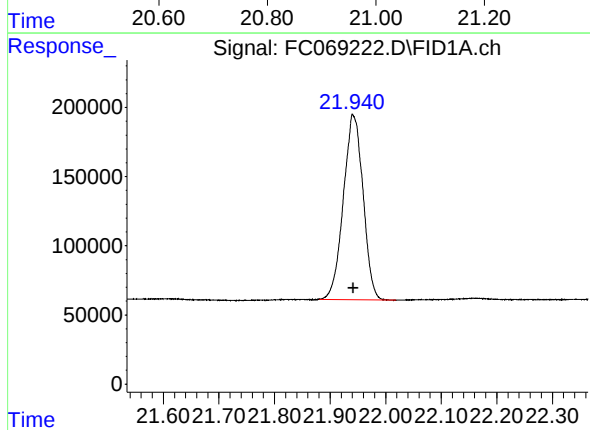
R.T.: 20.203 min
Delta R.T.: 0.000 min
Response: 3834019
Conc: 49.33 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.942 min
Delta R.T.: 0.000 min
Response: 3289975
Conc: 49.20 ug/ml

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.410	3.375	3.450	BB	795544	6643725	82.68%	4.877%
2	4.483	4.442	4.544	BB	766141	6866535	85.46%	5.041%
3	6.079	6.042	6.112	BV	806752	7502425	93.37%	5.508%
4	6.510	6.472	6.540	BB	707214	7130717	88.74%	5.235%
5	7.140	7.089	7.235	BB	725635	7422117	92.37%	5.449%
6	8.310	8.272	8.382	BB	687407	7295732	90.80%	5.356%
7	9.916	9.874	9.984	BB	709129	7618924	94.82%	5.593%
8	11.362	11.310	11.399	BB	636170	7565304	94.15%	5.554%
9	11.686	11.625	11.752	BB	723509	8035113	100.00%	5.899%
10	12.673	12.630	12.724	BB	588442	7024996	87.43%	5.157%
11	13.120	13.079	13.169	BB	499809	6029490	75.04%	4.426%
12	13.287	13.222	13.339	BB	572639	6773542	84.30%	4.973%
13	13.874	13.800	13.930	BB	524181	6604673	82.20%	4.849%
14	14.980	14.907	15.037	BB	498100	6337022	78.87%	4.652%
15	16.002	15.827	16.050	BB	468957	6031220	75.06%	4.428%
16	16.954	16.782	17.004	BB	434550	5708418	71.04%	4.191%
17	17.843	17.800	17.897	BB	398209	5495136	68.39%	4.034%
18	18.677	18.605	18.720	BB	369601	5055272	62.91%	3.711%
19	19.461	19.420	19.502	BB	293442	4482554	55.79%	3.291%
20	20.203	20.160	20.242	BB	267926	3834019	47.72%	2.815%
21	20.973	20.895	21.037	BB	193429	3467597	43.16%	2.546%
22	21.942	21.880	22.019	BB	132645	3289975	40.94%	2.415%
Sum of corrected areas:						136214504		

Aliphatic EPH 061825.M Wed Jun 18 14:38:30 2025

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

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Jun 18 13:01:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 13:00:39 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.680	3382762	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.116	2559732	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.410	2767240	20.000 ug/ml
2) T n-Decane (C10)	4.482	2852554	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.077	3140084	20.000 ug/ml
4) T n-Dodecane (C12)	6.507	2962169	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.136	3092803	20.000 ug/ml
6) T n-Tetradecane (C14)	8.307	3051599	20.000 ug/ml
7) T n-Hexadecane (C16)	9.912	3215074	20.000 ug/ml
8) T n-Octadecane (C18)	11.357	3209683	20.000 ug/ml
10) T n-Eicosane (C20)	12.670	2996001	20.000 ug/ml
11) T n-Heneicosane (C21)	13.283	2890922	20.000 ug/ml
13) T n-Docosane (C22)	13.871	2819173	20.000 ug/ml
14) T n-Tetracosane (C24)	14.976	2696756	20.000 ug/ml
15) T n-Hexacosane (C26)	15.999	2552119	20.000 ug/ml
16) T n-Octacosane (C28)	16.950	2406490	20.000 ug/ml
17) T n-Tricontane (C30)	17.839	2314105	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.674	2118123	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.459	1869078	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.200	1587141	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.969	1443800	20.000 ug/ml
22) T n-Tetracontane (C40)	21.938	1355792	20.000 ug/ml

(f)=RT Delta > 1/2 Window

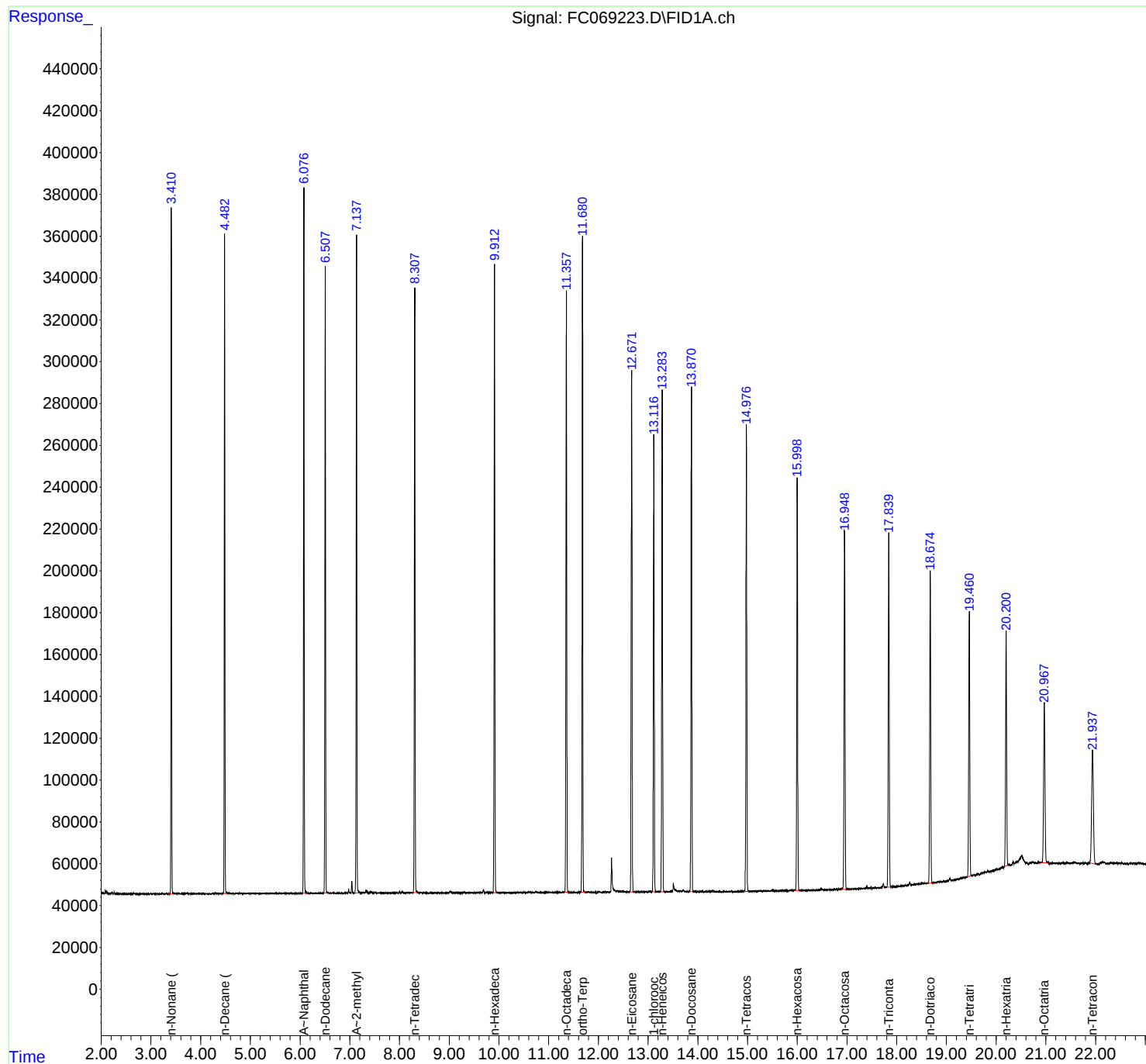
(m)=manual int.

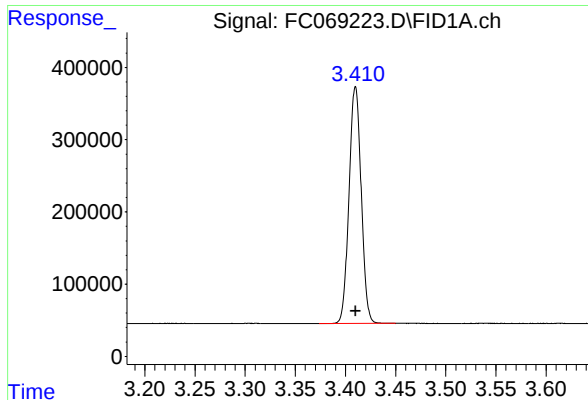
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069223.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 12:39
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jun 18 13:01:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 13:00:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

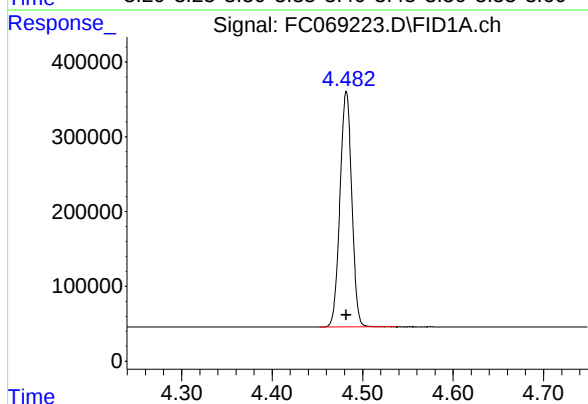




#1 n-Nonane (C9)

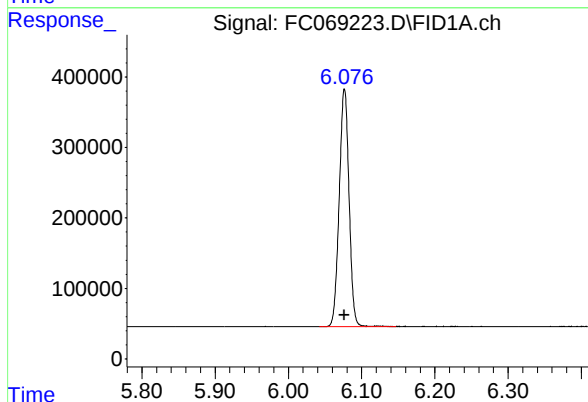
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 2767240
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



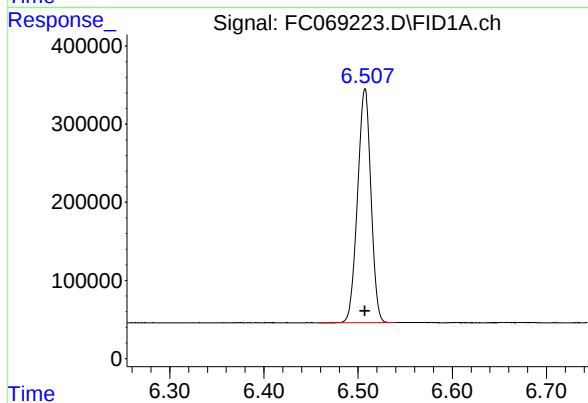
#2 n-Decane (C10)

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



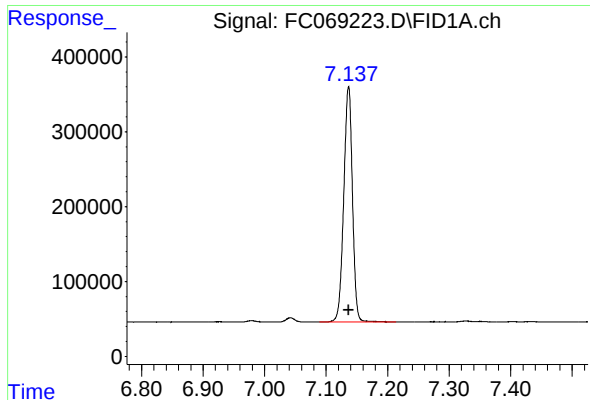
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

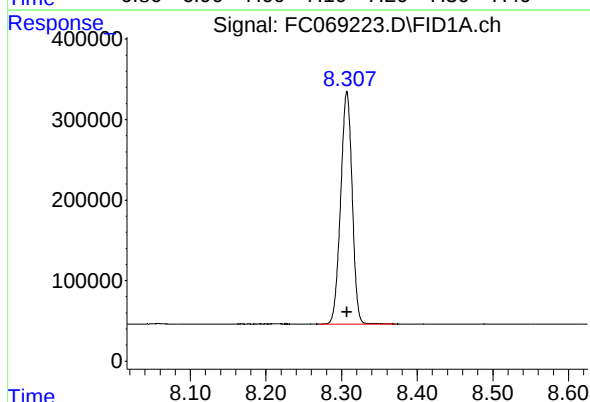
R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 2962169
Conc: 20.00 ug/ml



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

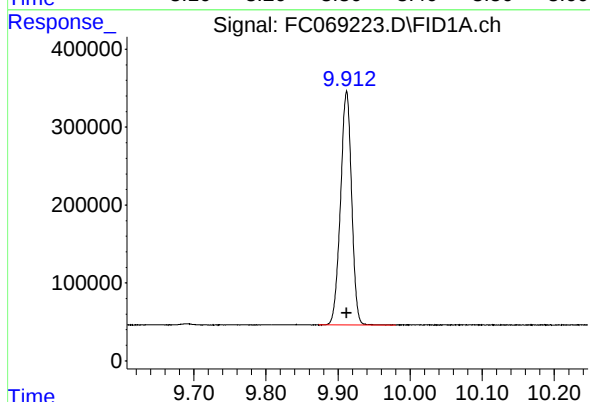
R.T.: 7.136 min
Delta R.T.: 0.000 min
Response: 3092803
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



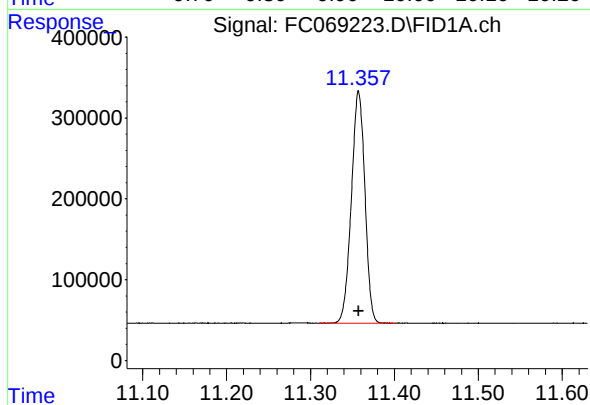
#6 n-Tetradecane (C14)

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



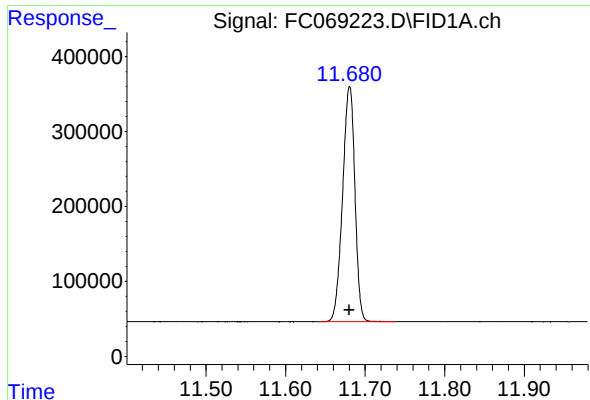
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

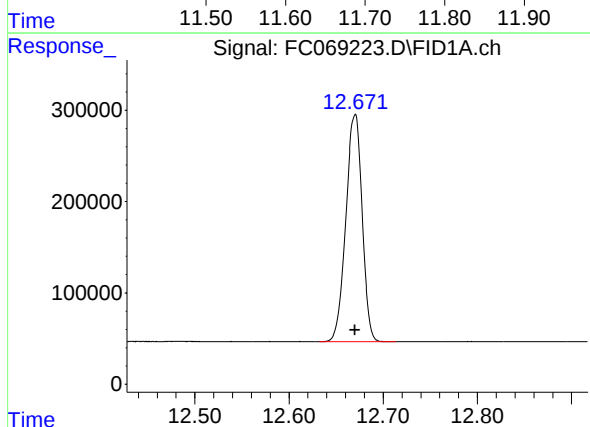
R.T.: 11.357 min
Delta R.T.: 0.000 min
Response: 3209683
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

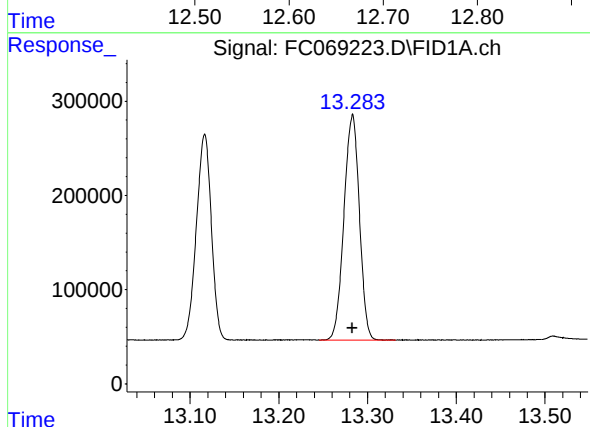
R.T.: 11.680 min
Delta R.T.: 0.000 min
Response: 3382762
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



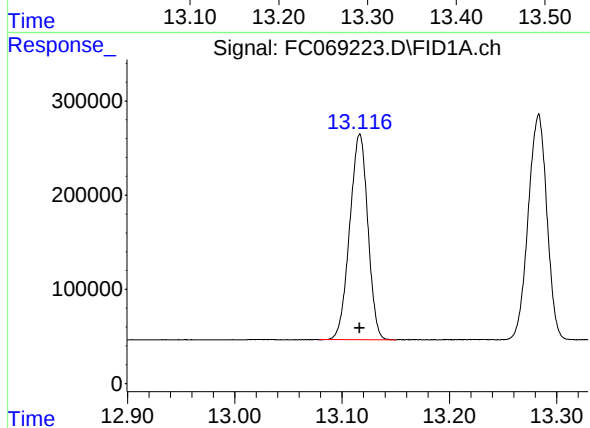
#10 n-Eicosane (C20)

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



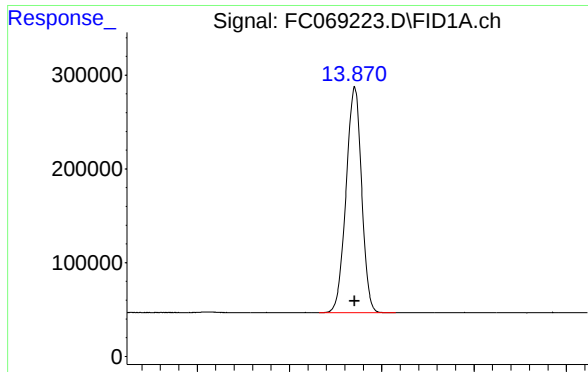
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

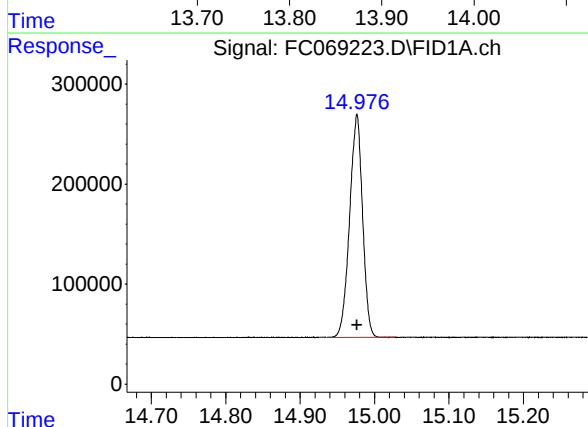
R.T.: 13.116 min
Delta R.T.: 0.000 min
Response: 2559732
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

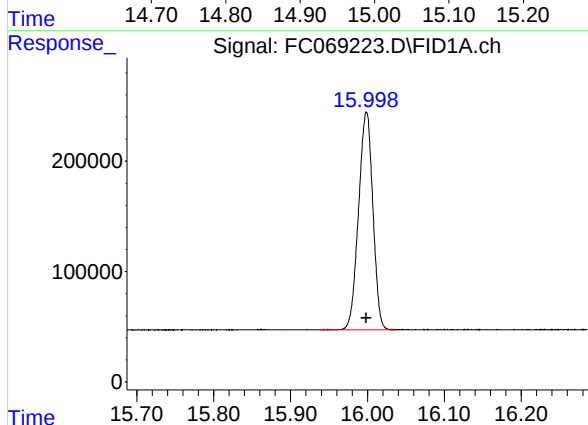
R.T.: 13.871 min
Delta R.T.: 0.000 min
Response: 2819173
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



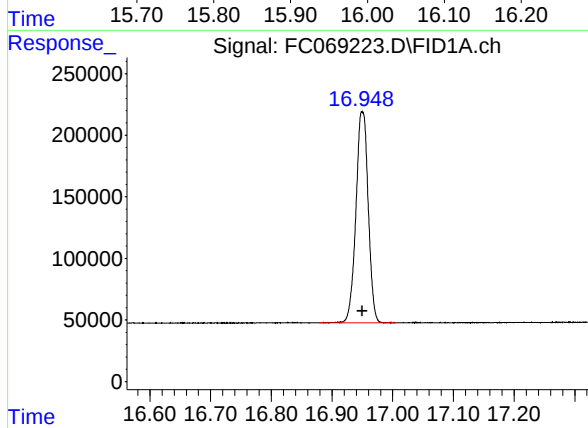
#14 n-Tetracosane (C24)

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



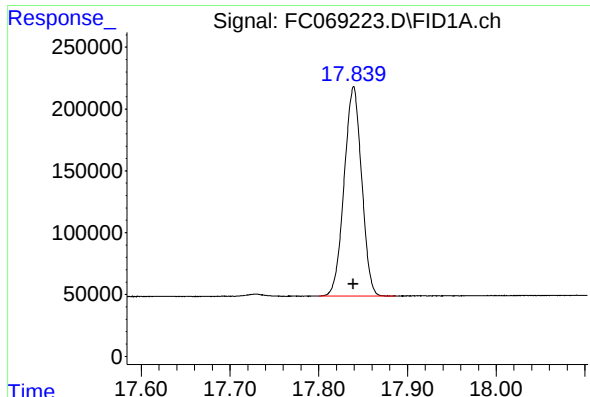
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

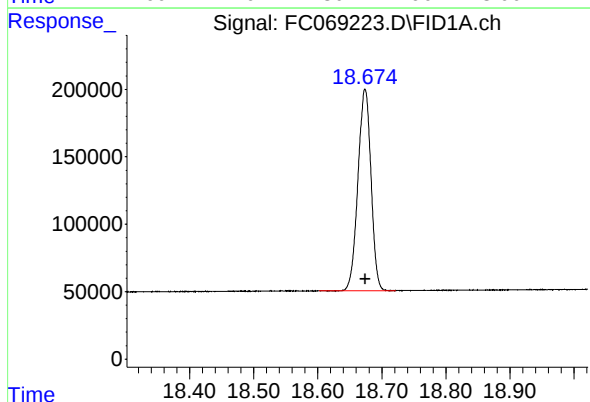
R.T.: 16.950 min
Delta R.T.: 0.000 min
Response: 2406490
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

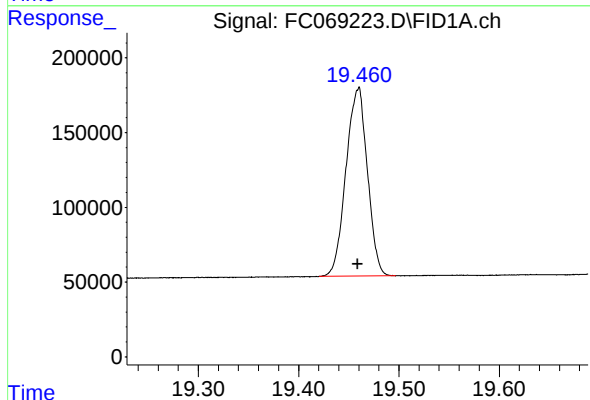
R.T.: 17.839 min
Delta R.T.: 0.000 min
Response: 2314105
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



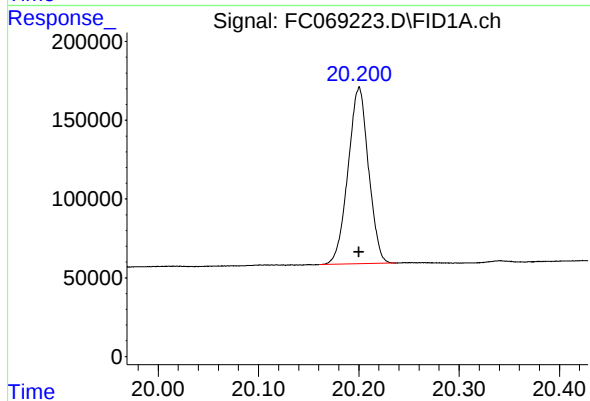
#18 n-Dotriacontane (C32)

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



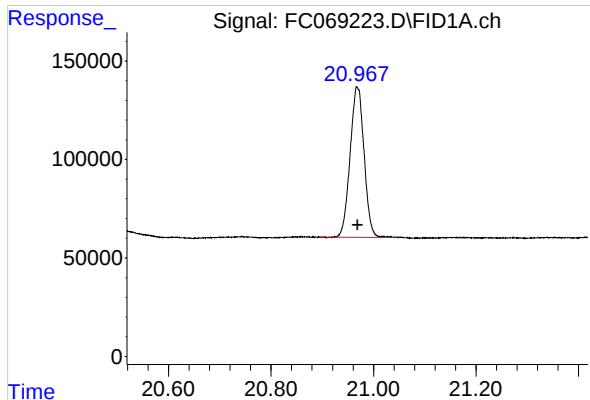
#19 n-Tetatriacontane (C34)

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



#20 n-Hexatriacontane (C36)

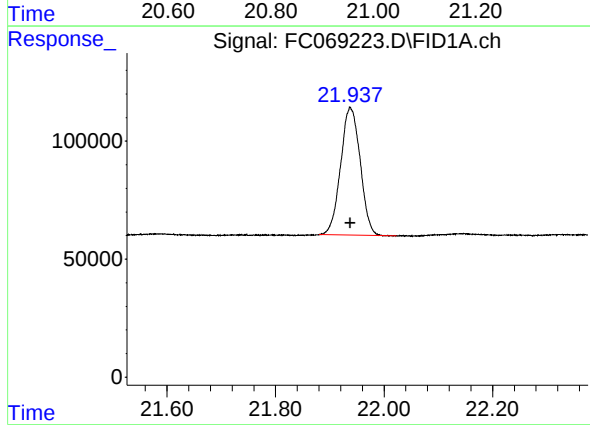
R.T.: 20.200 min
Delta R.T.: 0.000 min
Response: 1587141
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.969 min
Delta R.T.: 0.000 min
Response: 1443800
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.938 min
Delta R.T.: 0.000 min
Response: 1355792
Conc: 20.00 ug/ml

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.410	3.374	3.450	BB	328194	2767240	81.80%	4.831%
2	4.482	4.452	4.537	BB	315257	2852554	84.33%	4.980%
3	6.077	6.042	6.147	BB	337847	3140084	92.83%	5.482%
4	6.507	6.459	6.540	BB	299443	2962169	87.57%	5.171%
5	7.136	7.089	7.214	BB	315538	3092803	91.43%	5.399%
6	8.307	8.270	8.372	BB	288724	3051599	90.21%	5.327%
7	9.912	9.874	9.980	BB	300265	3215074	95.04%	5.613%
8	11.357	11.310	11.402	BB	287165	3209683	94.88%	5.603%
9	11.680	11.642	11.739	BB	314534	3382762	100.00%	5.905%
10	12.670	12.632	12.714	BB	249206	2996001	88.57%	5.230%
11	13.116	13.079	13.150	BB	218895	2559732	75.67%	4.469%
12	13.283	13.245	13.332	BB	240870	2890922	85.46%	5.047%
13	13.871	13.832	13.915	BB	241488	2819173	83.34%	4.921%
14	14.976	14.925	15.029	BB	224439	2696756	79.72%	4.708%
15	15.999	15.937	16.037	BB	197748	2552119	75.44%	4.455%
16	16.950	16.879	17.005	BB	170629	2406490	71.14%	4.201%
17	17.839	17.800	17.887	BB	169041	2314105	68.41%	4.040%
18	18.674	18.602	18.722	BB	149490	2118123	62.62%	3.698%
19	19.459	19.420	19.497	BB	125143	1869078	55.25%	3.263%
20	20.200	20.160	20.237	BB	112095	1587141	46.92%	2.771%
21	20.969	20.894	21.044	BB	75910	1443800	42.68%	2.520%
22	21.938	21.880	22.022	BB	54065	1355792	40.08%	2.367%
Sum of corrected areas:							57283198	

Aliphatic EPH 061825.M Wed Jun 18 14:38:01 2025

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

Instrument :
 FID_C
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Jun 18 13:45:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 13:45:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.678	1856143	10.994 ug/ml
Spiked Amount 50.000		Recovery =	21.99%
12) S 1-chlorooctadecane (S...	13.115	1417487	11.129 ug/ml
Spiked Amount 50.000		Recovery =	22.26%
Target Compounds			
1) T n-Nonane (C9)	3.409	1496071	10.738 ug/ml
2) T n-Decane (C10)	4.481	1544377	10.746 ug/ml
3) T A~Naphthalene (C11.7)	6.076	1699596	10.782 ug/ml
4) T n-Dodecane (C12)	6.506	1592006	10.707 ug/ml
5) T A~2-methylnaphthalene...	7.135	1665892	10.736 ug/ml
6) T n-Tetradecane (C14)	8.306	1646260	10.803 ug/ml
7) T n-Hexadecane (C16)	9.911	1756433	10.983 ug/ml
8) T n-Octadecane (C18)	11.356	1771170	11.113 ug/ml
10) T n-Eicosane (C20)	12.668	1665008	11.197 ug/ml
11) T n-Heneicosane (C21)	13.281	1608585	11.203 ug/ml
13) T n-Docosane (C22)	13.869	1565876	11.181 ug/ml
14) T n-Tetracosane (C24)	14.974	1491873	11.115 ug/ml
15) T n-Hexacosane (C26)	15.998	1397927	10.991 ug/ml
16) T n-Octacosane (C28)	16.949	1308541	10.917 ug/ml
17) T n-Tricontane (C30)	17.839	1257631	10.907 ug/ml
18) T n-Dotriacontane (C32)	18.672	1158654	10.937 ug/ml
19) T n-Tetratriacontane (C34)	19.459	1018840	10.875 ug/ml
20) T n-Hexatriacontane (C36)	20.200	869747	10.868 ug/ml
21) T n-Octatriacontane (C38)	20.969	782717	10.802 ug/ml
22) T n-Tetracontane (C40)	21.938	746688	10.849 ug/ml

(f)=RT Delta > 1/2 Window

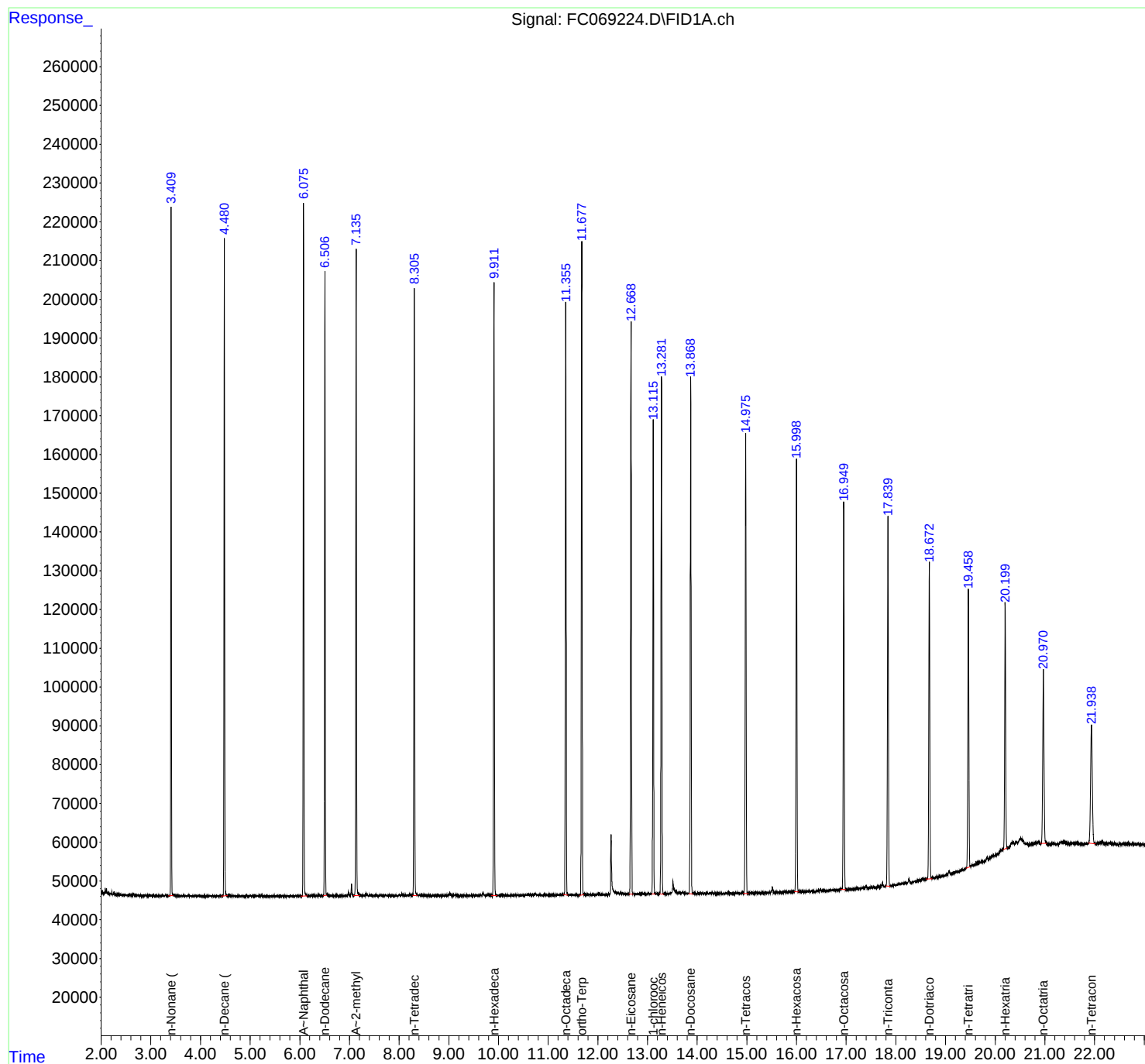
(m)=manual int.

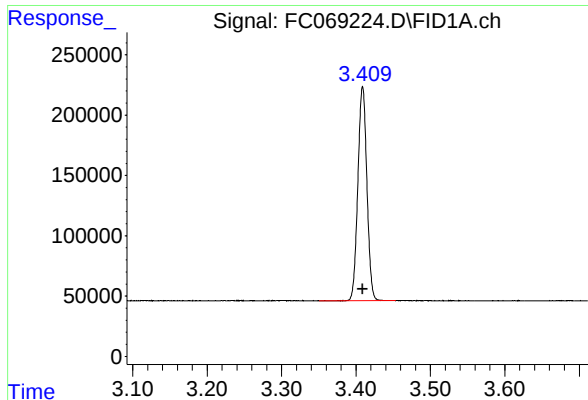
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069224.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 13:20
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jun 18 13:45:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 13:45:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

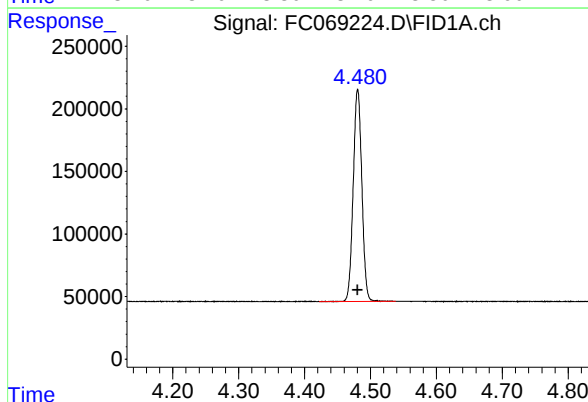




#1 n-Nonane (C9)

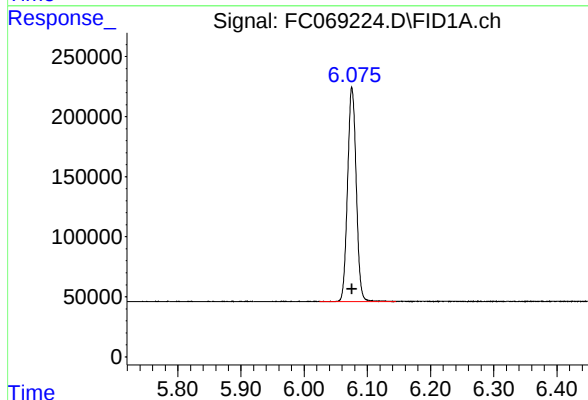
R.T.: 3.409 min
Delta R.T.: 0.000 min
Response: 1496071
Conc: 10.74 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



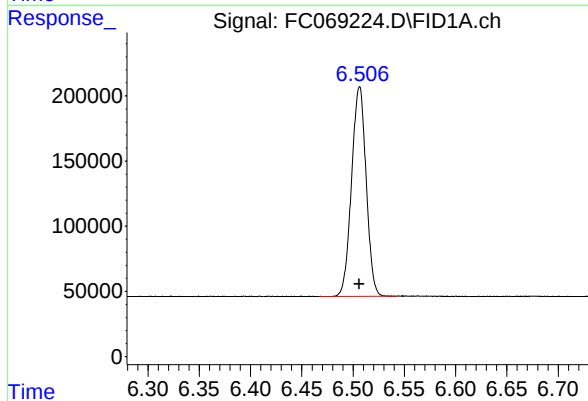
#2 n-Decane (C10)

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



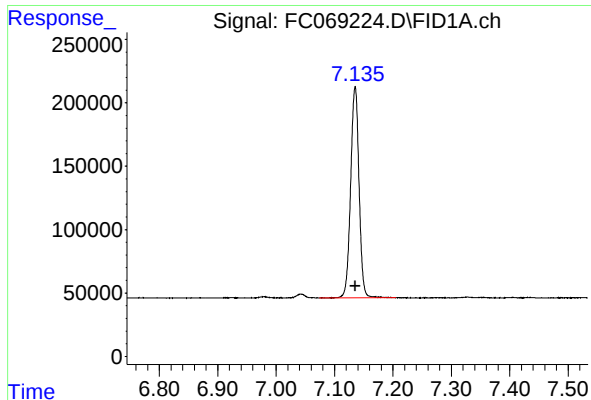
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

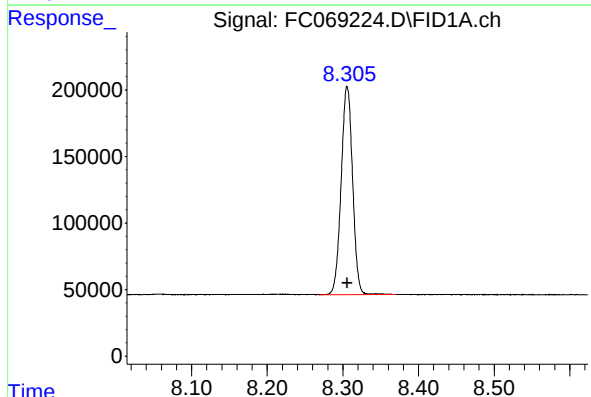
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 1592006
Conc: 10.71 ug/ml



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

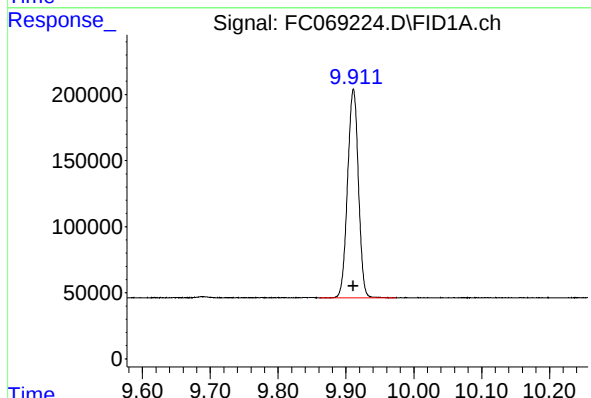
R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 1665892
Conc: 10.74 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



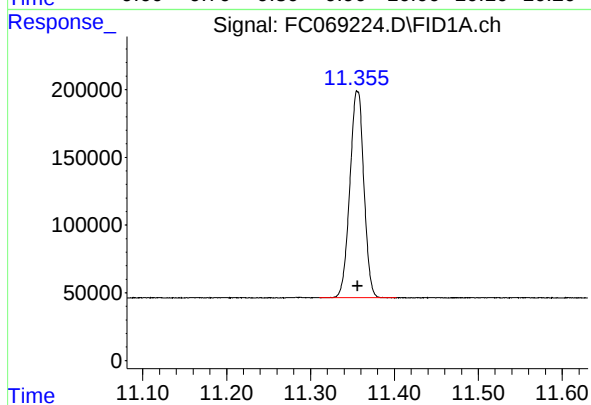
#6 n-Tetradecane (C14)

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



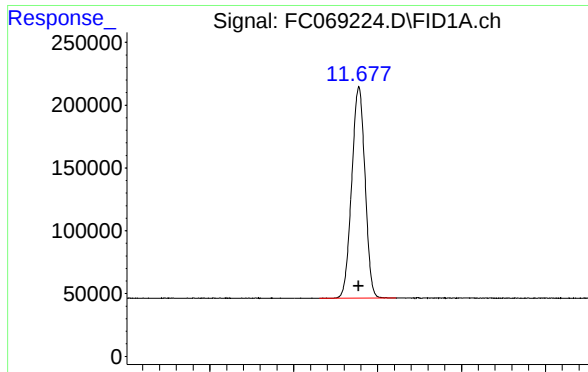
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

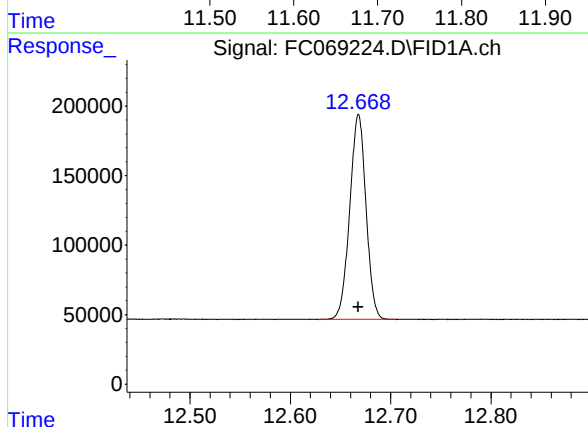
R.T.: 11.356 min
Delta R.T.: 0.000 min
Response: 1771170
Conc: 11.11 ug/ml



#9 ortho-Terphenyl (SURR)

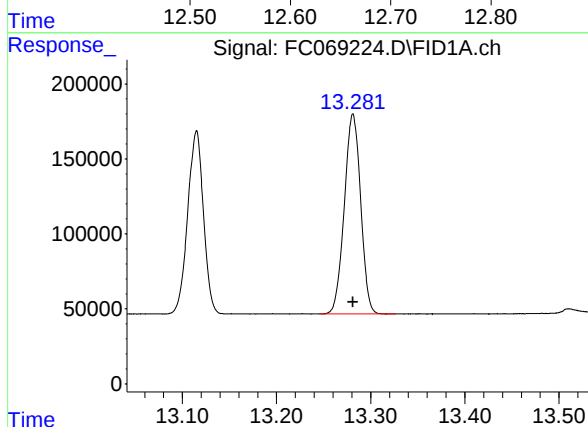
R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 1856143
Conc: 10.99 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



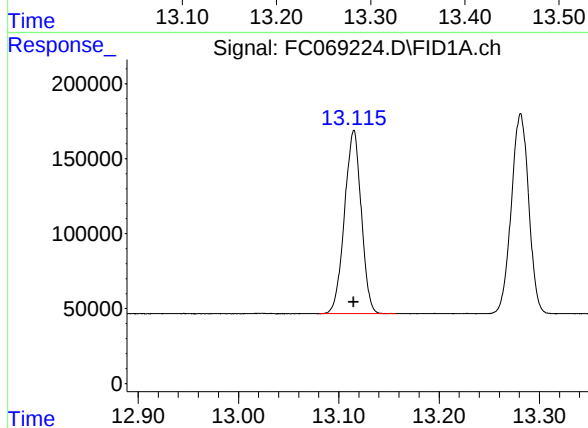
#10 n-Eicosane (C20)

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



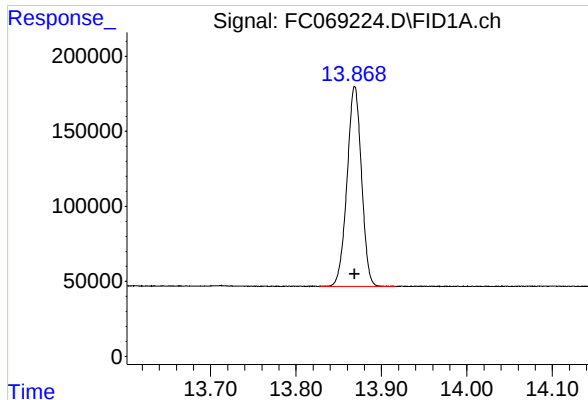
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

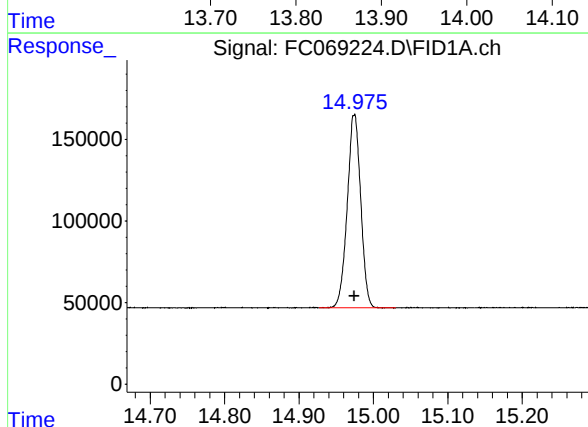
R.T.: 13.115 min
Delta R.T.: 0.000 min
Response: 1417487
Conc: 11.13 ug/ml



#13 n-Docosane (C22)

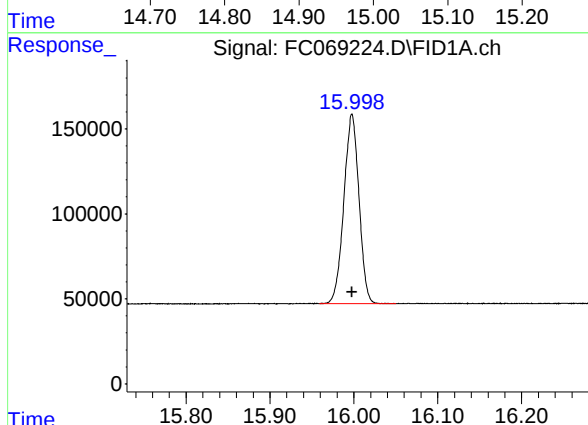
R.T.: 13.869 min
Delta R.T.: 0.000 min
Response: 1565876
Conc: 11.18 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



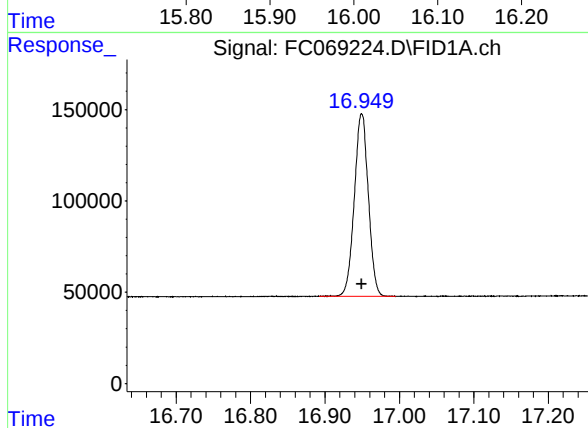
#14 n-Tetracosane (C24)

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



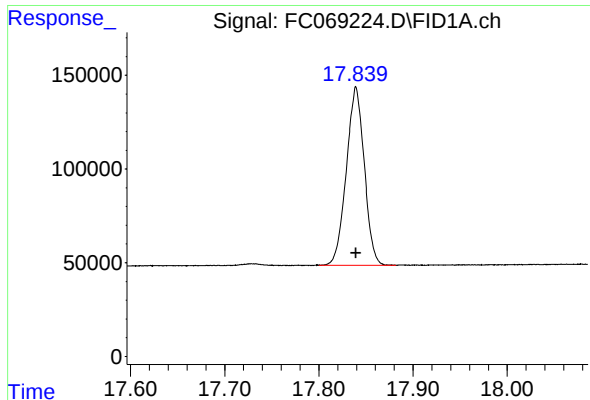
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

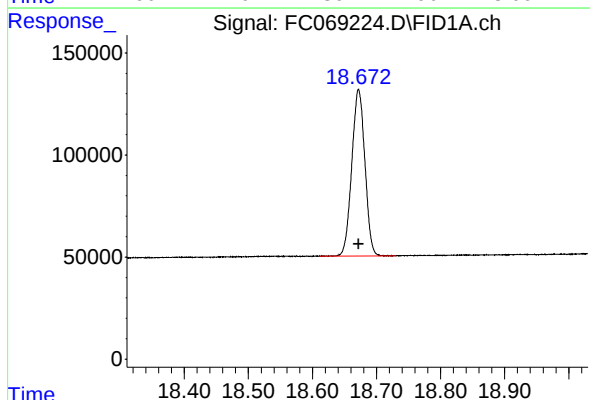
R.T.: 16.949 min
Delta R.T.: 0.000 min
Response: 1308541
Conc: 10.92 ug/ml



#17 n-Tricontane (C30)

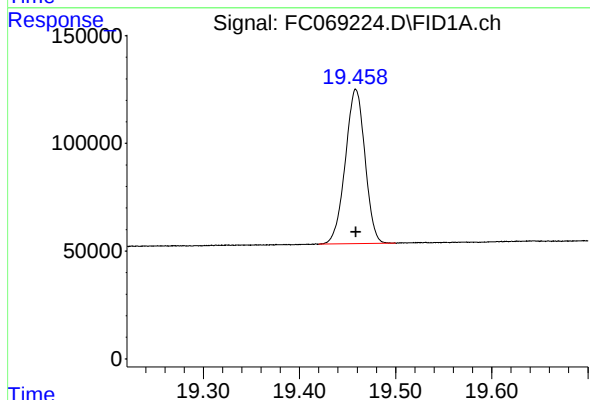
R.T.: 17.839 min
Delta R.T.: 0.000 min
Response: 1257631
Conc: 10.91 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



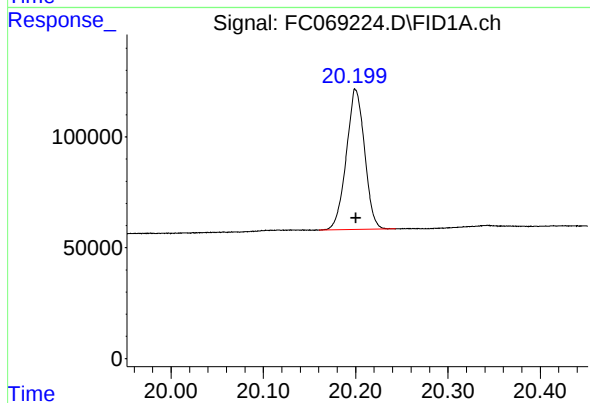
#18 n-Dotriacontane (C32)

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



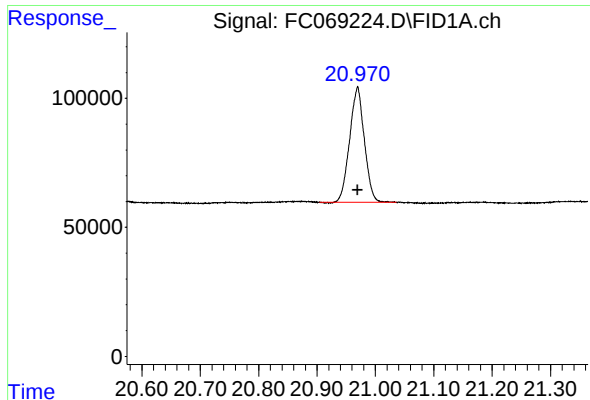
#19 n-Tetatriacontane (C34)

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



#20 n-Hexatriacontane (C36)

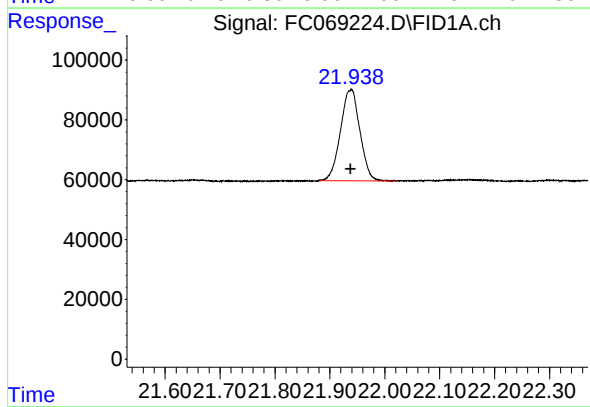
R.T.: 20.200 min
Delta R.T.: 0.000 min
Response: 869747
Conc: 10.87 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.938 min
Delta R.T.: 0.000 min
Response: 746688
Conc: 10.85 ug/ml

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.409	3.350	3.454	BB	177619	1496071	80.60%	4.777%
2	4.481	4.422	4.539	BB	169567	1544377	83.20%	4.931%
3	6.076	6.024	6.145	BB	178321	1699596	91.57%	5.427%
4	6.506	6.467	6.542	BB	161845	1592006	85.77%	5.083%
5	7.135	7.074	7.205	BB	166692	1665892	89.75%	5.319%
6	8.306	8.269	8.370	BB	156558	1646260	88.69%	5.257%
7	9.911	9.860	9.974	BB	157792	1756433	94.63%	5.608%
8	11.356	11.310	11.402	BB	153146	1771170	95.42%	5.656%
9	11.678	11.630	11.722	BB	167827	1856143	100.00%	5.927%
10	12.668	12.629	12.705	BB	147990	1665008	89.70%	5.317%
11	13.115	13.080	13.157	BB	122636	1417487	76.37%	4.526%
12	13.281	13.245	13.327	BB	133774	1608585	86.66%	5.136%
13	13.869	13.827	13.917	BB	133414	1565876	84.36%	5.000%
14	14.974	14.927	15.030	BB	118969	1491873	80.37%	4.764%
15	15.998	15.959	16.050	BB	111607	1397927	75.31%	4.464%
16	16.949	16.892	16.995	BB	100098	1308541	70.50%	4.178%
17	17.839	17.800	17.882	BB	95148	1257631	67.76%	4.016%
18	18.672	18.610	18.730	BB	81586	1158654	62.42%	3.700%
19	19.459	19.420	19.500	BB	71711	1018840	54.89%	3.253%
20	20.200	20.160	20.244	BB	62876	869747	46.86%	2.777%
21	20.969	20.904	21.035	BB	44513	782717	42.17%	2.499%
22	21.938	21.880	22.020	BB	30555	746688	40.23%	2.384%
Sum of corrected areas:							31317521	

Aliphatic EPH 061825.M Wed Jun 18 14:37:36 2025

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

Instrument :
 FID_C
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Jun 18 14:23:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:23:47 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.678	942393	5.455 ug/ml
Spiked Amount 50.000		Recovery =	10.91%
12) S 1-chlorooctadecane (S...	13.114	718614	5.501 ug/ml
Spiked Amount 50.000		Recovery =	11.00%
Target Compounds			
1) T n-Nonane (C9)	3.410	768967	5.407 ug/ml
2) T n-Decane (C10)	4.481	785603	5.366 ug/ml
3) T A~Naphthalene (C11.7)	6.076	869708	5.405 ug/ml
4) T n-Dodecane (C12)	6.506	811783	5.361 ug/ml
5) T A~2-methylnaphthalene...	7.135	852964	5.390 ug/ml
6) T n-Tetradecane (C14)	8.306	827220	5.337 ug/ml
7) T n-Hexadecane (C16)	9.911	887029	5.428 ug/ml
8) T n-Octadecane (C18)	11.356	894124	5.476 ug/ml
10) T n-Eicosane (C20)	12.668	842048	5.517 ug/ml
11) T n-Heneicosane (C21)	13.281	813023	5.516 ug/ml
13) T n-Docosane (C22)	13.868	796002	5.532 ug/ml
14) T n-Tetracosane (C24)	14.974	763797	5.538 ug/ml
15) T n-Hexacosane (C26)	15.997	724210	5.540 ug/ml
16) T n-Octacosane (C28)	16.948	686066	5.563 ug/ml
17) T n-Tricontane (C30)	17.838	666002	5.602 ug/ml
18) T n-Dotriacontane (C32)	18.673	614700	5.622 ug/ml
19) T n-Tetratriacontane (C34)	19.458	540381	5.596 ug/ml
20) T n-Hexatriacontane (C36)	20.200	459698	5.578 ug/ml
21) T n-Octatriacontane (C38)	20.969	419007	5.607 ug/ml
22) T n-Tetracontane (C40)	21.937	393940	5.563 ug/ml

(f)=RT Delta > 1/2 Window

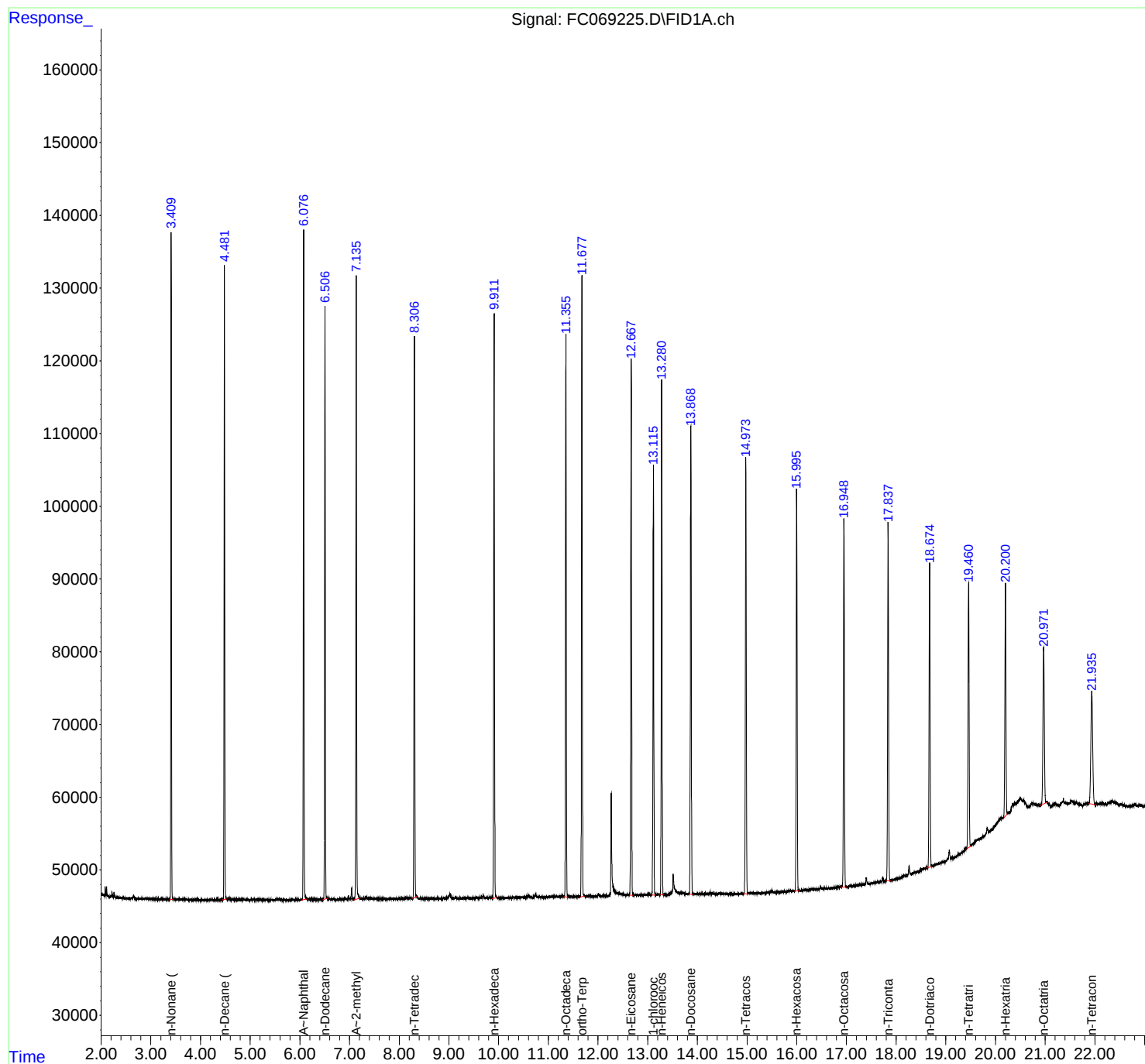
(m)=manual int.

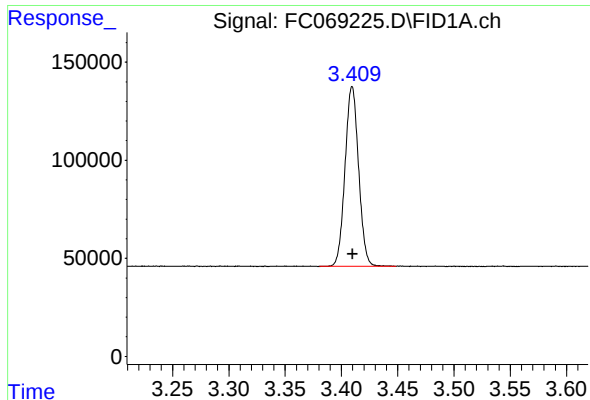
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069225.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 14:03
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Jun 18 14:23:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:23:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

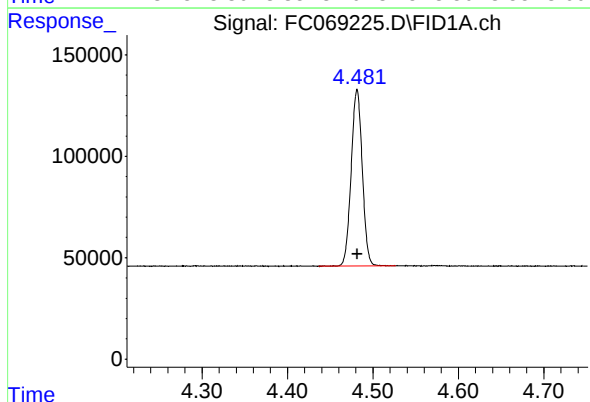




#1 n-Nonane (C9)

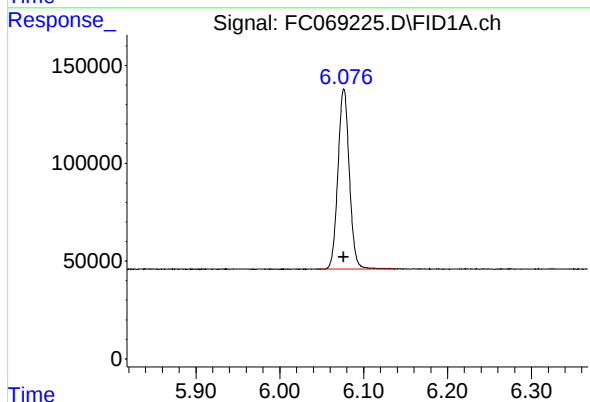
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 768967
Conc: 5.41 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



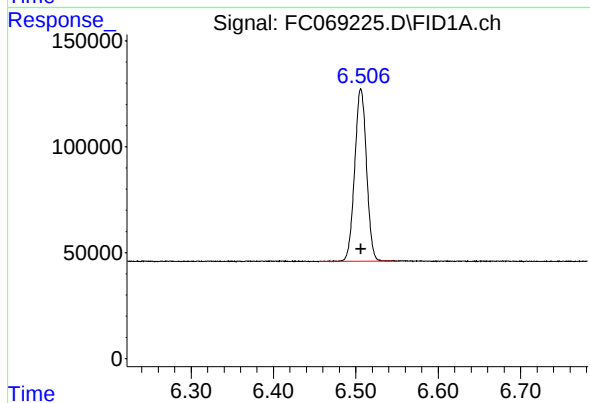
#2 n-Decane (C10)

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



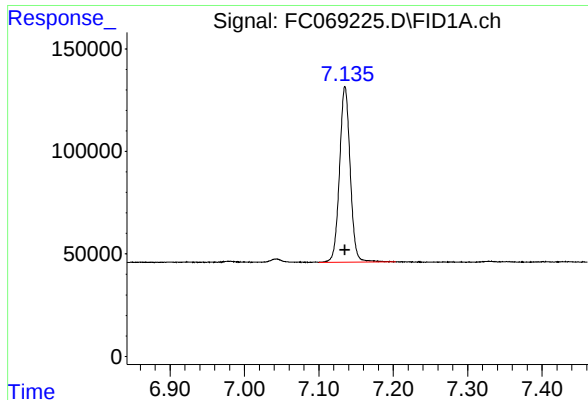
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

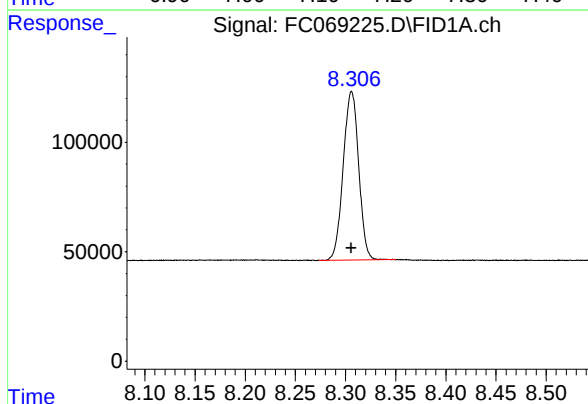
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 811783
Conc: 5.36 ug/ml



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

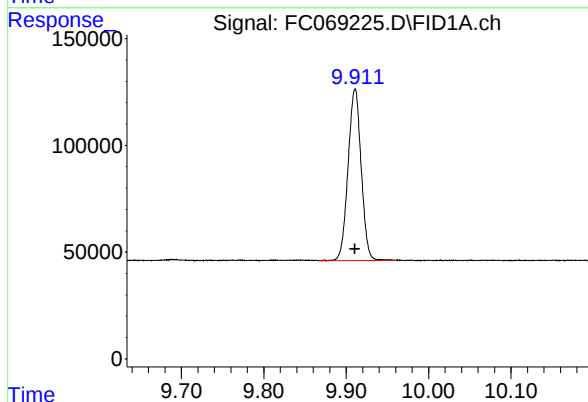
R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 852964
Conc: 5.39 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



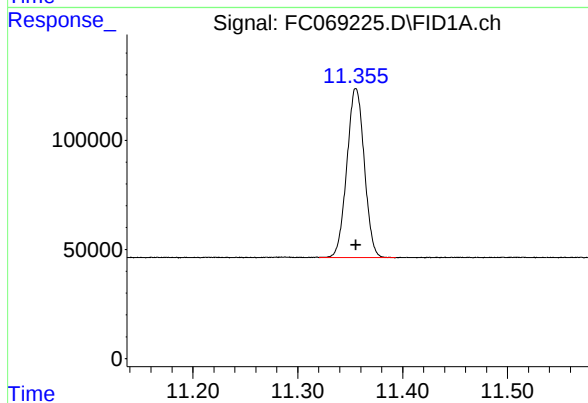
#6 n-Tetradecane (C14)

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



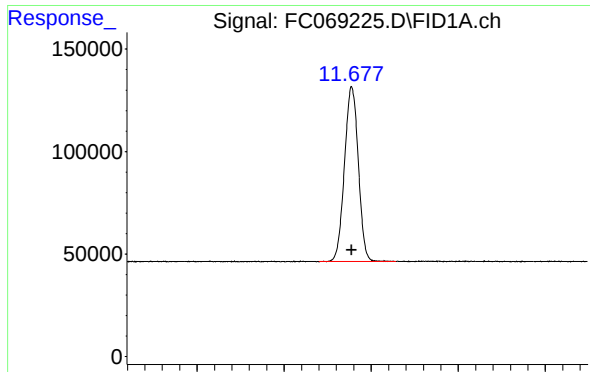
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

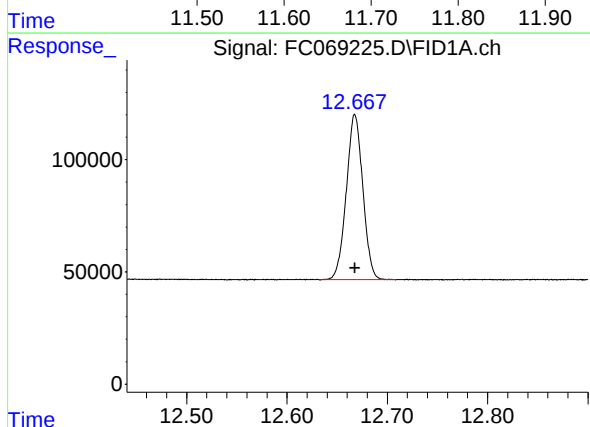
R.T.: 11.356 min
Delta R.T.: 0.000 min
Response: 894124
Conc: 5.48 ug/ml



#9 ortho-Terphenyl (SURR)

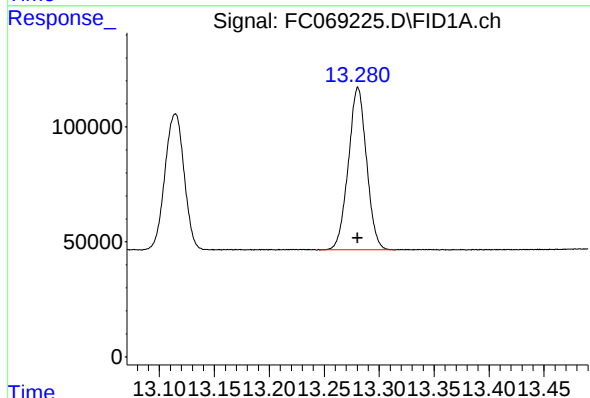
R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 942393
Conc: 5.45 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



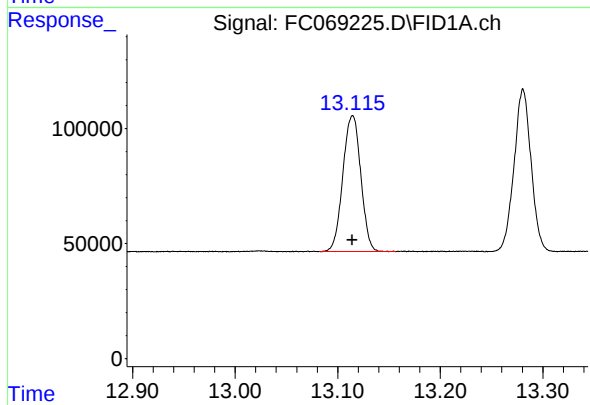
#10 n-Eicosane (C20)

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



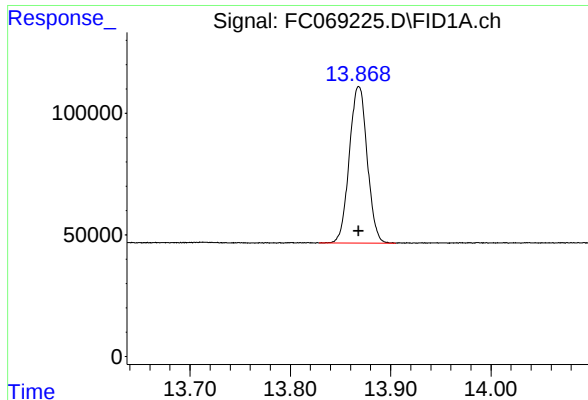
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

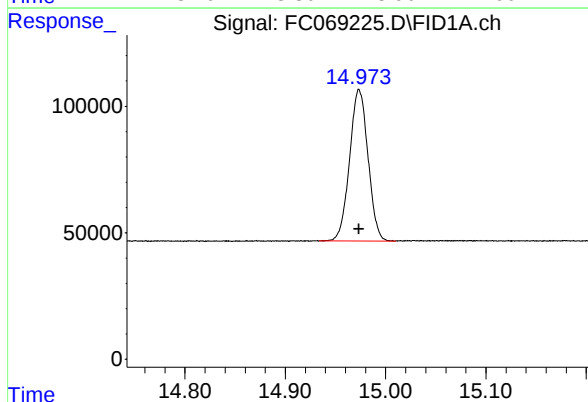
R.T.: 13.114 min
Delta R.T.: 0.000 min
Response: 718614
Conc: 5.50 ug/ml



#13 n-Docosane (C22)

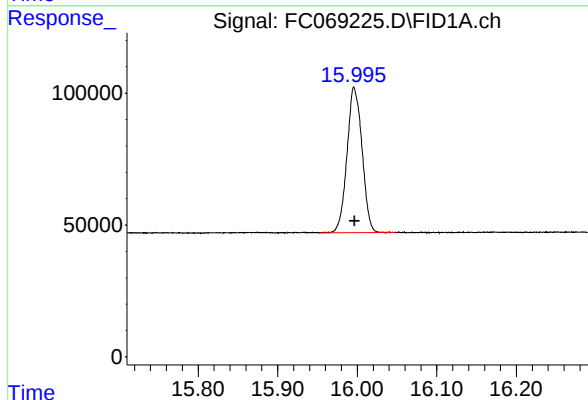
R.T.: 13.868 min
Delta R.T.: 0.000 min
Response: 796002
Conc: 5.53 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



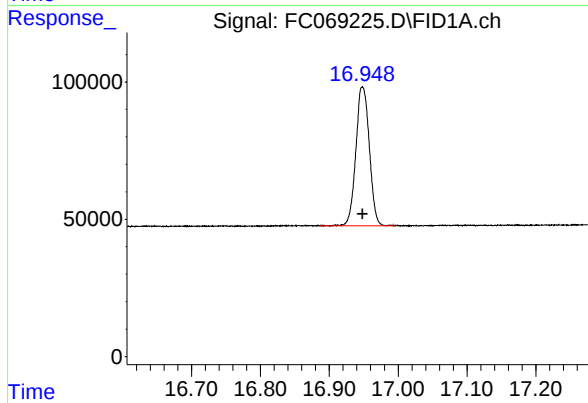
#14 n-Tetracosane (C24)

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



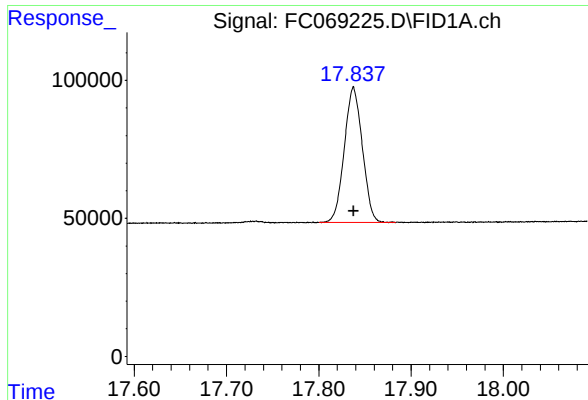
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

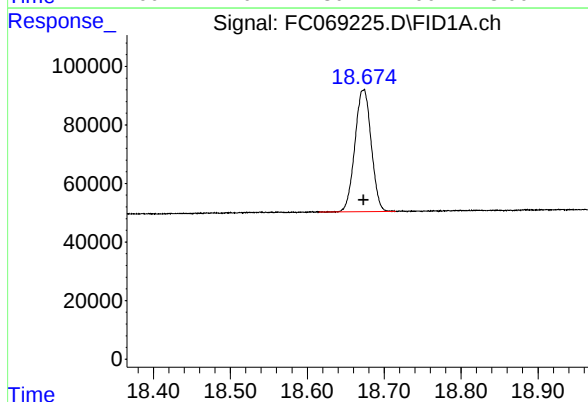
R.T.: 16.948 min
Delta R.T.: 0.000 min
Response: 686066
Conc: 5.56 ug/ml



#17 n-Tricontane (C30)

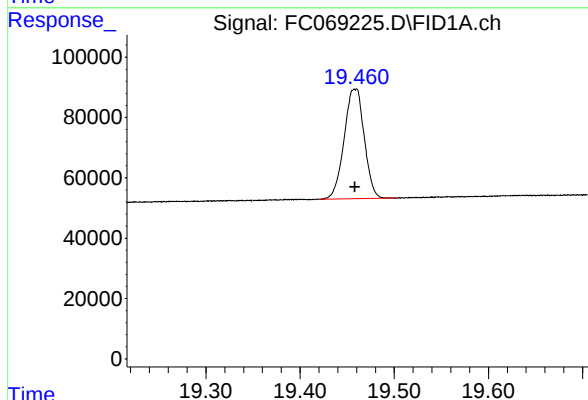
R.T.: 17.838 min
Delta R.T.: 0.000 min
Response: 666002
Conc: 5.60 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



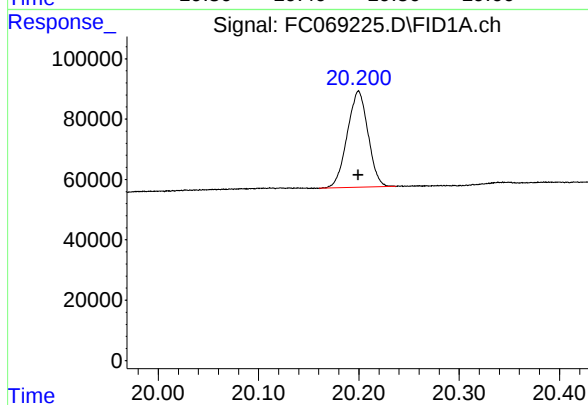
#18 n-Dotriacontane (C32)

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



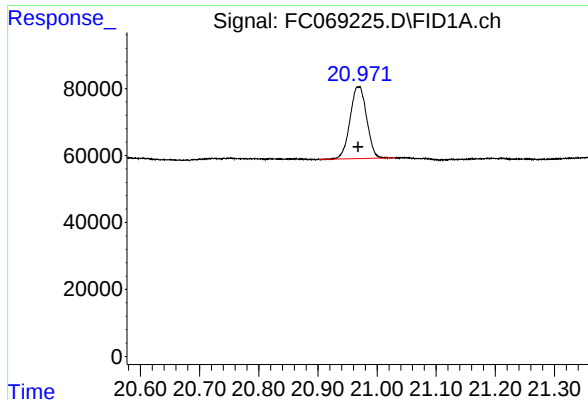
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

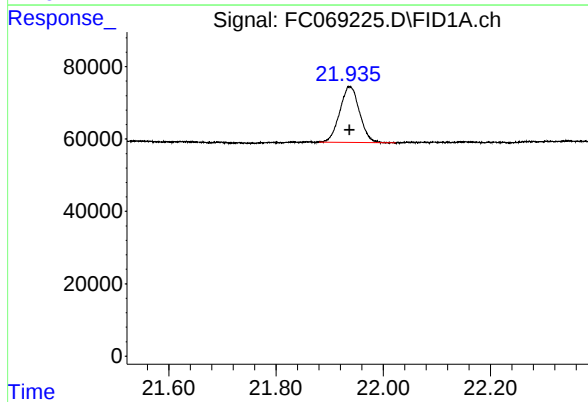
R.T.: 20.200 min
Delta R.T.: 0.000 min
Response: 459698
Conc: 5.58 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.969 min
Delta R.T.: 0.000 min
Response: 419007
Conc: 5.61 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.937 min
Delta R.T.: 0.000 min
Response: 393940
Conc: 5.56 ug/ml

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.410	3.380	3.449	BB	91878	768967	81.60%	4.783%
2	4.481	4.437	4.527	BB	87247	785603	83.36%	4.886%
3	6.076	6.047	6.139	BB	92272	869708	92.29%	5.410%
4	6.506	6.455	6.549	BB	81230	811783	86.14%	5.049%
5	7.135	7.100	7.204	BB	85753	852964	90.51%	5.305%
6	8.306	8.274	8.350	BB	77049	827220	87.78%	5.145%
7	9.911	9.867	9.960	BB	80293	887029	94.13%	5.517%
8	11.356	11.320	11.394	BB	77410	894124	94.88%	5.561%
9	11.678	11.640	11.729	BB	84784	942393	100.00%	5.862%
10	12.668	12.632	12.709	BB	73078	842048	89.35%	5.238%
11	13.114	13.082	13.157	BB	59088	718614	76.25%	4.470%
12	13.281	13.245	13.315	BB	70672	813023	86.27%	5.057%
13	13.868	13.829	13.905	BB	64412	796002	84.47%	4.951%
14	14.974	14.934	15.010	BB	59988	763797	81.05%	4.751%
15	15.997	15.952	16.049	BB	54380	724210	76.85%	4.505%
16	16.948	16.885	16.997	BB	50496	686066	72.80%	4.267%
17	17.838	17.800	17.884	BB	48943	666002	70.67%	4.143%
18	18.673	18.615	18.715	BB	41575	614700	65.23%	3.823%
19	19.458	19.420	19.502	BB	36225	540381	57.34%	3.361%
20	20.200	20.160	20.237	BB	32066	459698	48.78%	2.859%
21	20.969	20.902	21.032	BB	21311	419007	44.46%	2.606%
22	21.937	21.880	22.024	BB	15337	393940	41.80%	2.450%
Sum of corrected areas:							16077276	

Aliphatic EPH 061825.M Wed Jun 18 14:37:19 2025

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

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Jun 18 15:23:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.680	3253610	18.833 ug/ml
Spiked Amount 50.000		Recovery =	37.67%
12) S 1-chlorooctadecane (S...	13.116	2474788	18.943 ug/ml
Spiked Amount 50.000		Recovery =	37.89%
Target Compounds			
1) T n-Nonane (C9)	3.410	2571511	18.081 ug/ml
2) T n-Decane (C10)	4.482	2650200	18.103 ug/ml
3) T A~Naphthalene (C11.7)	6.077	2926181	18.187 ug/ml
4) T n-Dodecane (C12)	6.507	2762531	18.244 ug/ml
5) T A~2-methylnaphthalene...	7.136	2898798	18.318 ug/ml
6) T n-Tetradecane (C14)	8.307	2886495	18.622 ug/ml
7) T n-Hexadecane (C16)	9.912	3074968	18.817 ug/ml
8) T n-Octadecane (C18)	11.357	3098893	18.980 ug/ml
10) T n-Eicosane (C20)	12.670	2897467	18.982 ug/ml
11) T n-Heneicosane (C21)	13.283	2797161	18.978 ug/ml
13) T n-Docosane (C22)	13.871	2718940	18.897 ug/ml
14) T n-Tetracosane (C24)	14.975	2594124	18.807 ug/ml
15) T n-Hexacosane (C26)	15.998	2449139	18.735 ug/ml
16) T n-Octacosane (C28)	16.949	2300993	18.657 ug/ml
17) T n-Tricontane (C30)	17.839	2215902	18.639 ug/ml
18) T n-Dotriacontane (C32)	18.675	2037377	18.634 ug/ml
19) T n-Tetratriacontane (C34)	19.460	1803580	18.677 ug/ml
20) T n-Hexatriacontane (C36)	20.201	1557268	18.896 ug/ml
21) T n-Octatriacontane (C38)	20.971	1411730	18.891 ug/ml
22) T n-Tetracontane (C40)	21.939	1331528	18.803 ug/ml

(f)=RT Delta > 1/2 Window

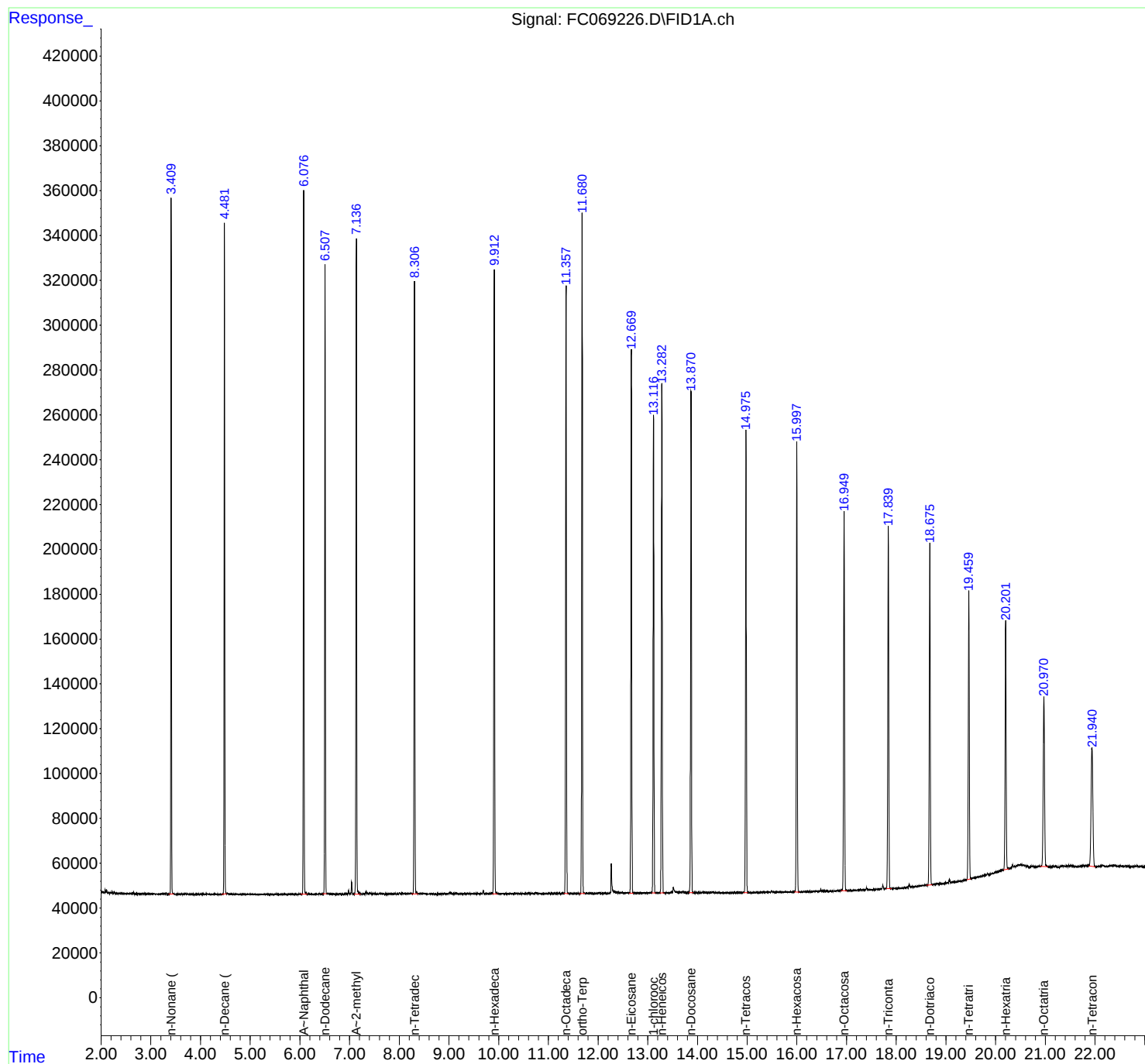
(m)=manual int.

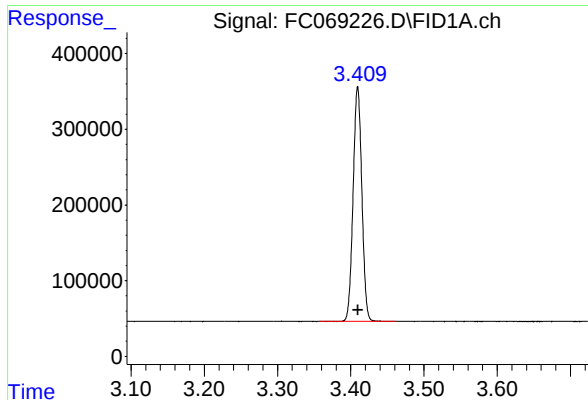
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069226.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 14:45
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jun 18 15:23:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

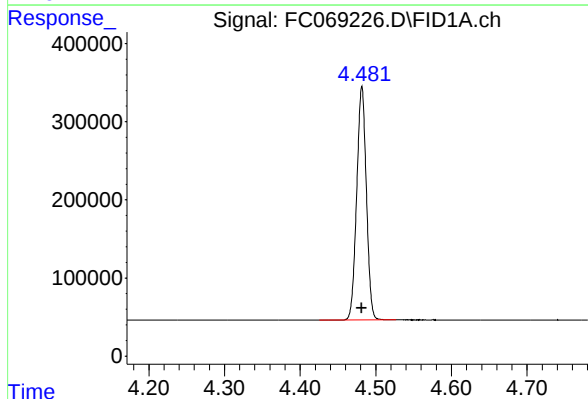




#1 n-Nonane (C9)

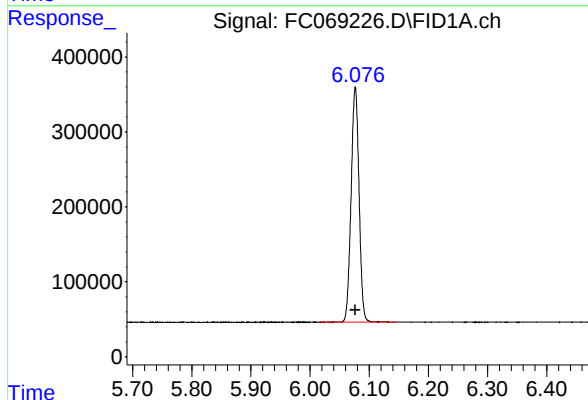
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 2571511
Conc: 18.08 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



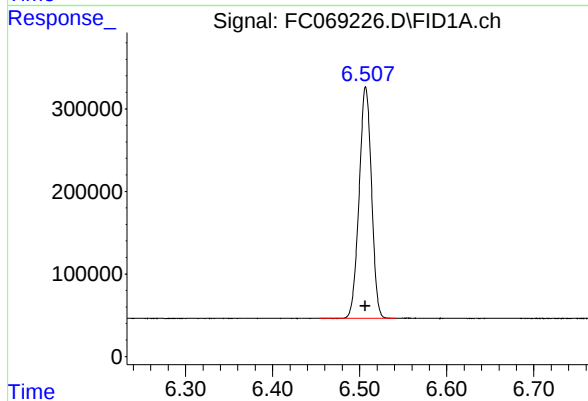
#2 n-Decane (C10)

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



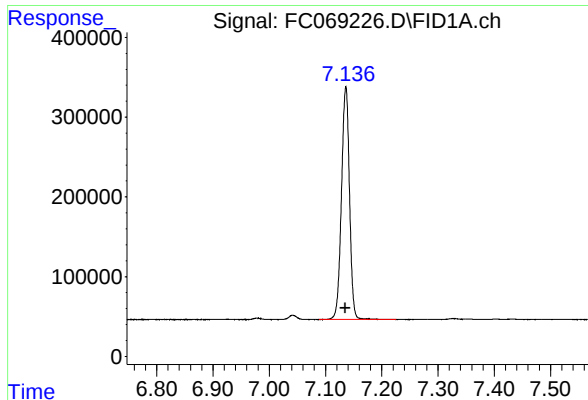
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

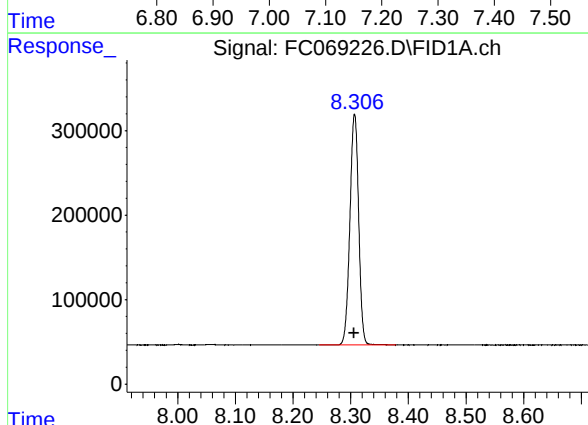
R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 2762531
Conc: 18.24 ug/ml



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

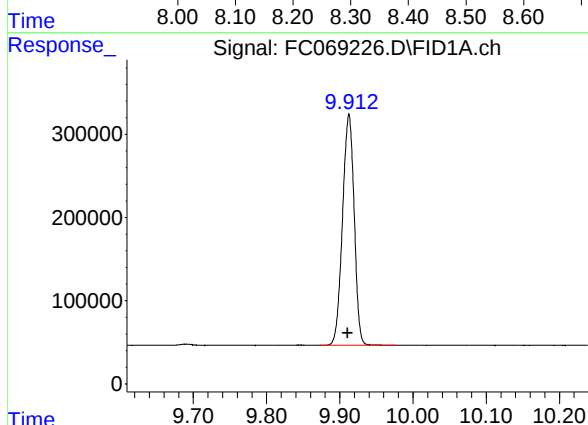
R.T.: 7.136 min
Delta R.T.: 0.000 min
Response: 2898798
Conc: 18.32 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



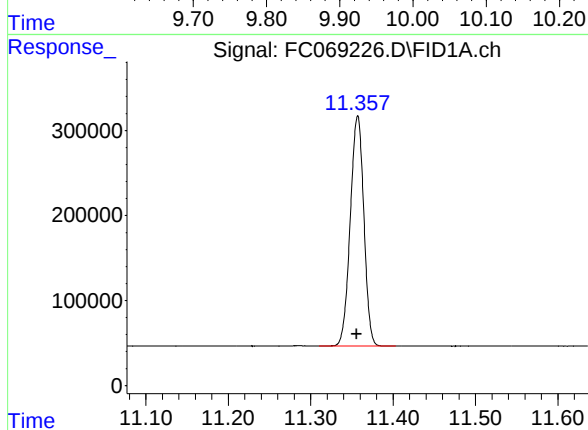
#6 n-Tetradecane (C14)

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



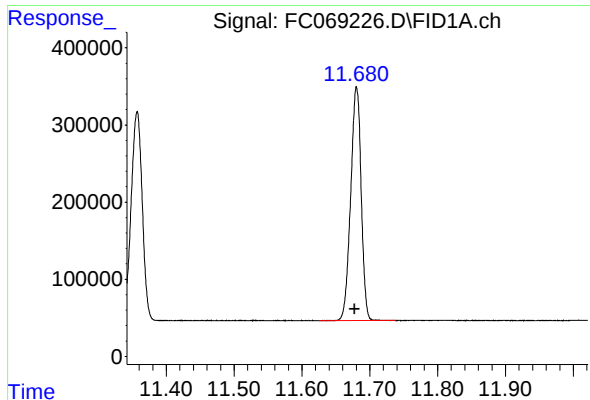
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

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



#9 ortho-Terphenyl (SURR)

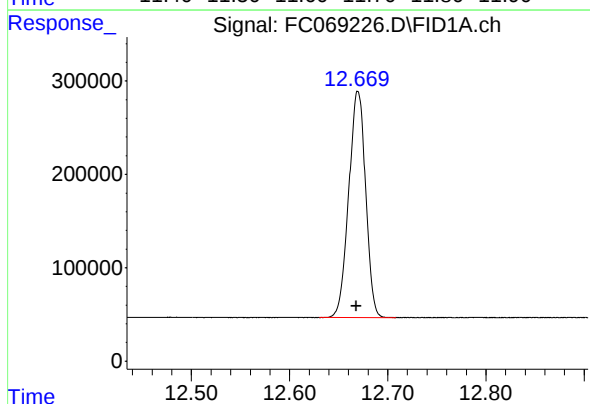
R.T.: 11.680 min
Delta R.T.: 0.003 min
Response: 3253610
Conc: 18.83 ug/ml

Instrument :

FID_C

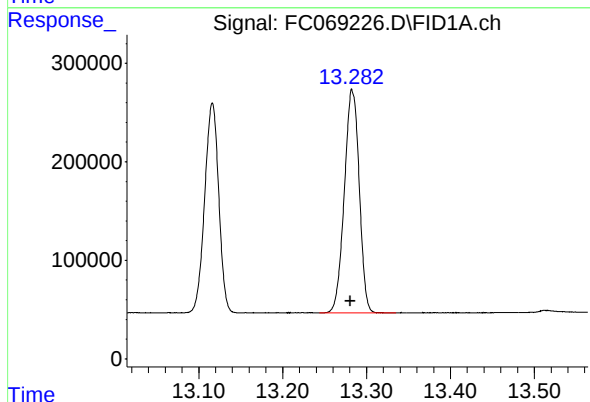
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



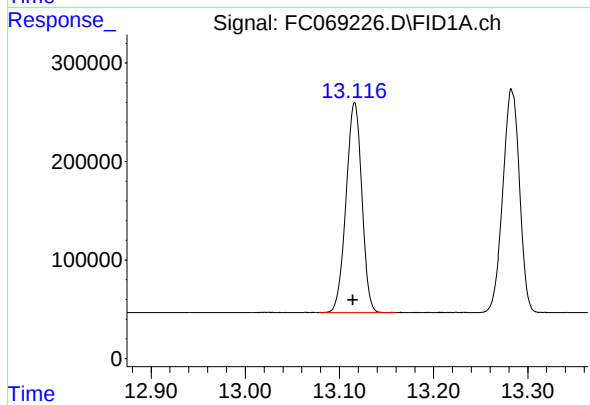
#10 n-Eicosane (C20)

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



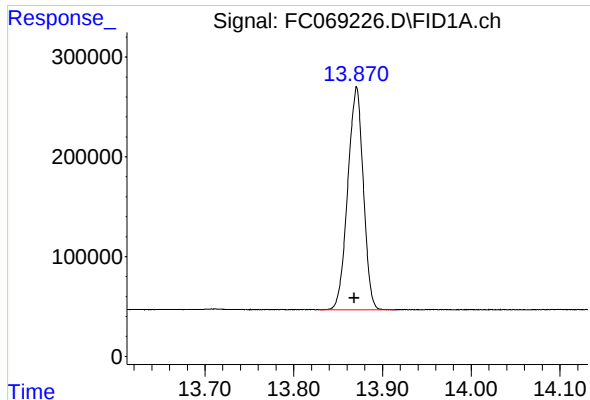
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

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



#13 n-Docosane (C22)

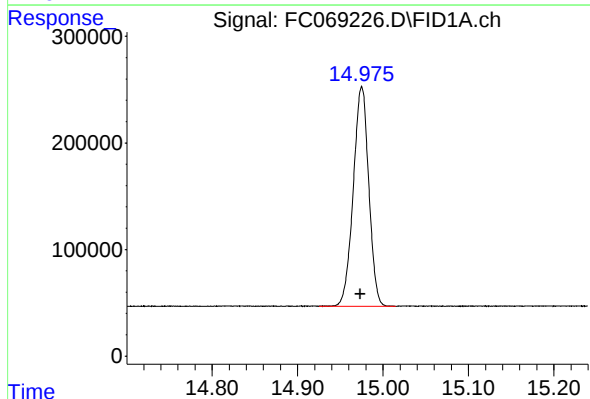
R.T.: 13.871 min
Delta R.T.: 0.002 min
Response: 2718940
Conc: 18.90 ug/ml

Instrument :

FID_C

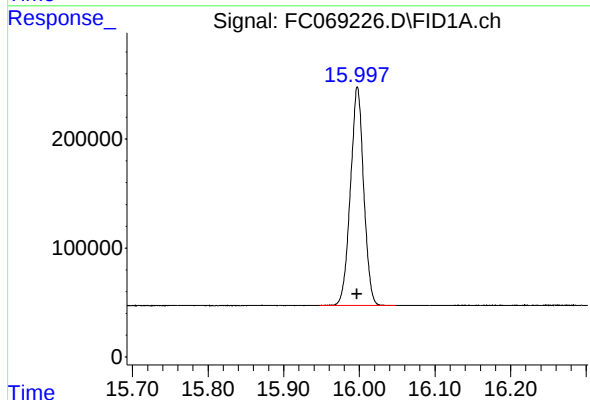
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



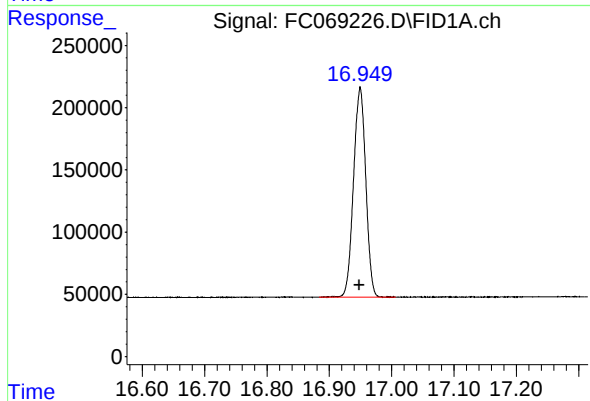
#14 n-Tetracosane (C24)

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



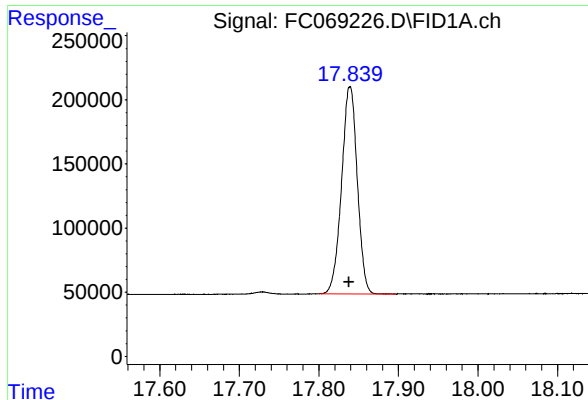
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

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



#17 n-Tricontane (C30)

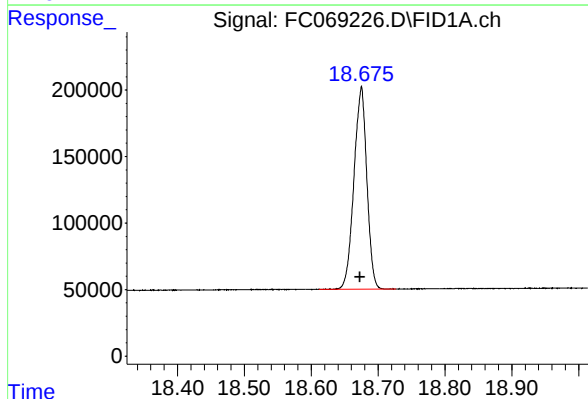
R.T.: 17.839 min
Delta R.T.: 0.001 min
Response: 2215902
Conc: 18.64 ug/ml

Instrument :

FID_C

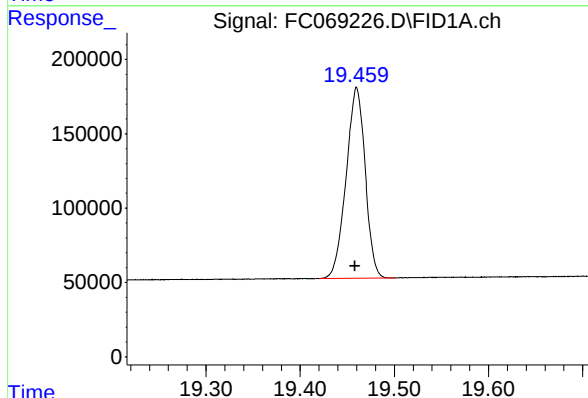
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



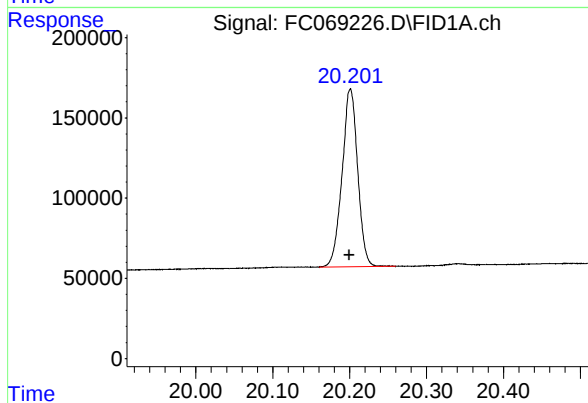
#18 n-Dotriacontane (C32)

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



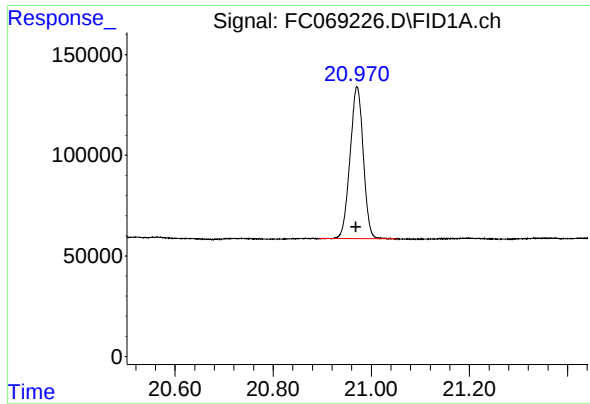
#19 n-Tetatriacontane (C34)

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



#20 n-Hexatriacontane (C36)

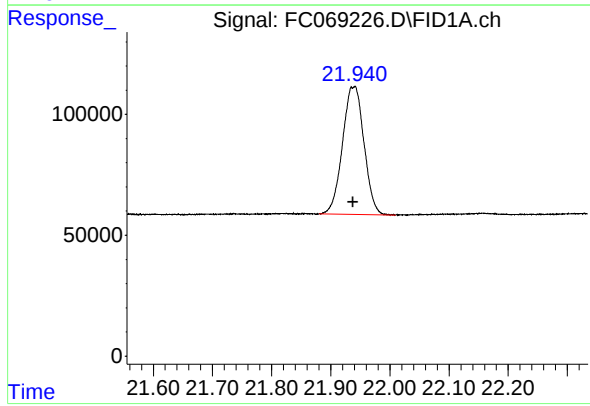
R.T.: 20.201 min
Delta R.T.: 0.001 min
Response: 1557268
Conc: 18.90 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.971 min
Delta R.T.: 0.002 min
Response: 1411730
Conc: 18.89 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.939 min
Delta R.T.: 0.001 min
Response: 1331528
Conc: 18.80 ug/ml

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.410	3.357	3.462	BB	310610	2571511	79.04%	4.700%
2	4.482	4.425	4.527	BB	299540	2650200	81.45%	4.844%
3	6.077	6.015	6.145	BB	314091	2926181	89.94%	5.348%
4	6.507	6.453	6.542	BB	280576	2762531	84.91%	5.049%
5	7.136	7.088	7.225	BB	293786	2898798	89.09%	5.298%
6	8.307	8.245	8.378	BB	273480	2886495	88.72%	5.276%
7	9.912	9.872	9.977	BB	276956	3074968	94.51%	5.620%
8	11.357	11.310	11.403	BB	270716	3098893	95.24%	5.664%
9	11.680	11.625	11.738	BB	303465	3253610	100.00%	5.947%
10	12.670	12.630	12.708	BB	242161	2897467	89.05%	5.296%
11	13.116	13.078	13.160	BB	213636	2474788	76.06%	4.523%
12	13.283	13.243	13.335	BB	224409	2797161	85.97%	5.112%
13	13.871	13.828	13.915	BB	223018	2718940	83.57%	4.969%
14	14.975	14.925	15.015	BB	206118	2594124	79.73%	4.741%
15	15.998	15.947	16.048	BB	201397	2449139	75.27%	4.476%
16	16.949	16.883	17.007	BB	168971	2300993	70.72%	4.206%
17	17.839	17.800	17.897	BB	161622	2215902	68.11%	4.050%
18	18.675	18.612	18.727	BB	152633	2037377	62.62%	3.724%
19	19.460	19.420	19.502	BB	128446	1803580	55.43%	3.296%
20	20.201	20.160	20.260	BB	111015	1557268	47.86%	2.846%
21	20.971	20.893	21.050	BB	75755	1411730	43.39%	2.580%
22	21.939	21.880	22.010	BB	52545	1331528	40.92%	2.434%
Sum of corrected areas:							54713182	

Aliphatic EPH 061825.M Wed Jun 18 15:24:52 2025

Initial Calibration Report for SequenceID : FE062725AL

AreaCount

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

AVG Response Factor

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

Concentration

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

Response Factor

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

Initial Calibration Report for SequenceID : FE062725AL

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

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

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

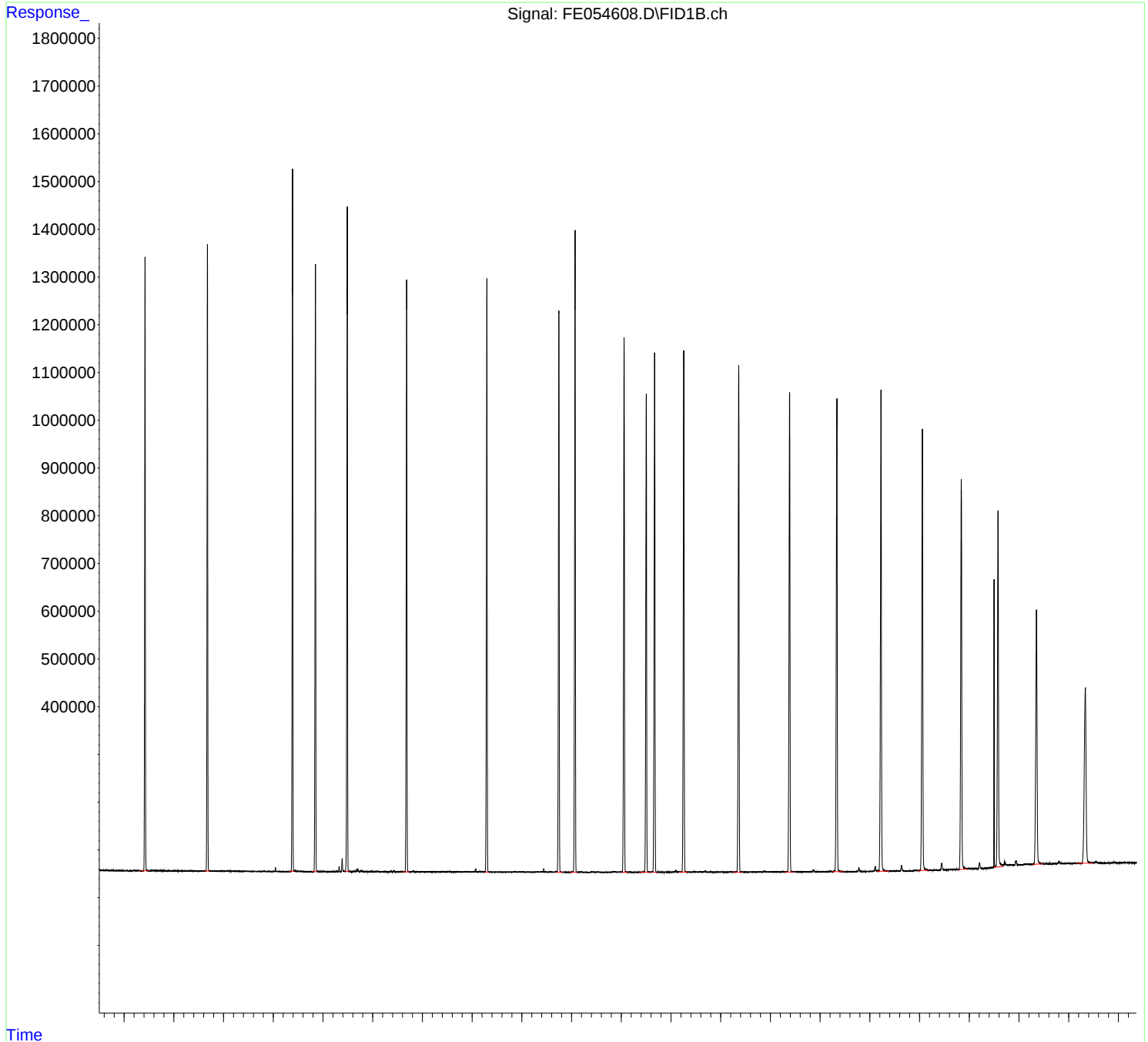
(m)=manual int.

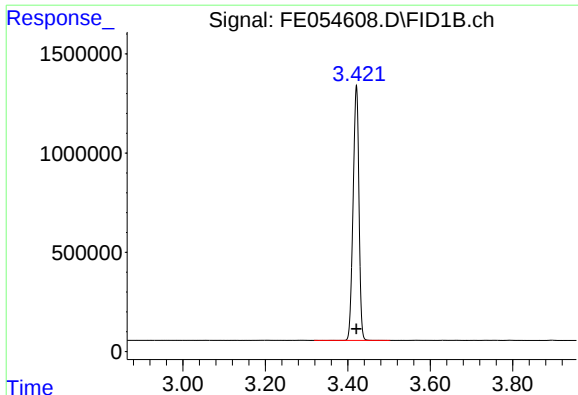
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054608.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 12:53
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

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

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

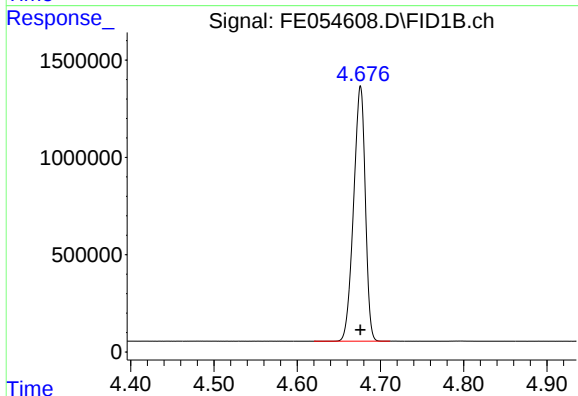




#1 n-Nonane (C9)

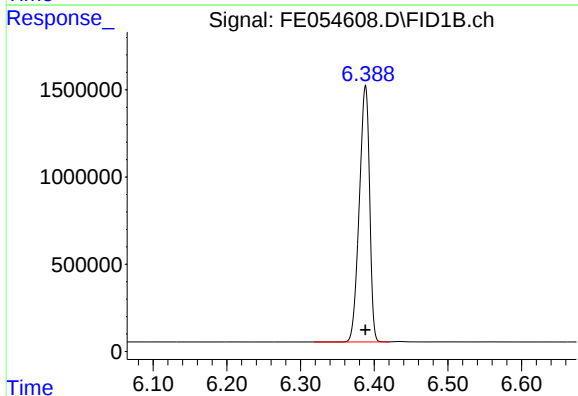
R.T.: 3.421 min
Delta R.T.: 0.000 min
Response: 12635864
Conc: 98.50 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



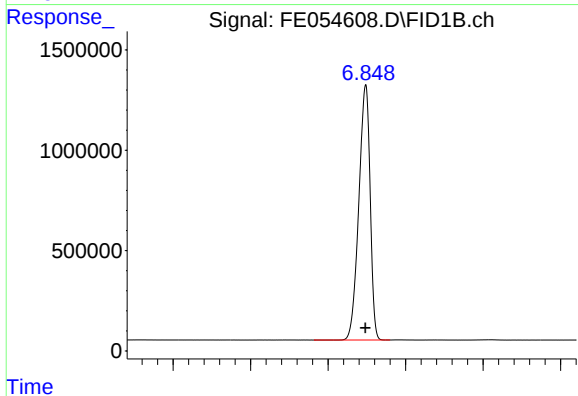
#2 n-Decane (C10)

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



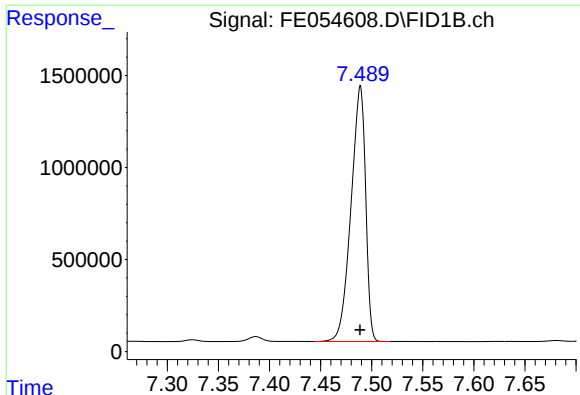
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

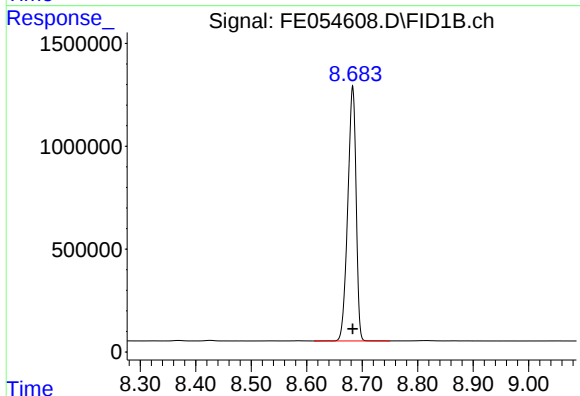
R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 12881494
Conc: 98.44 ug/ml



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

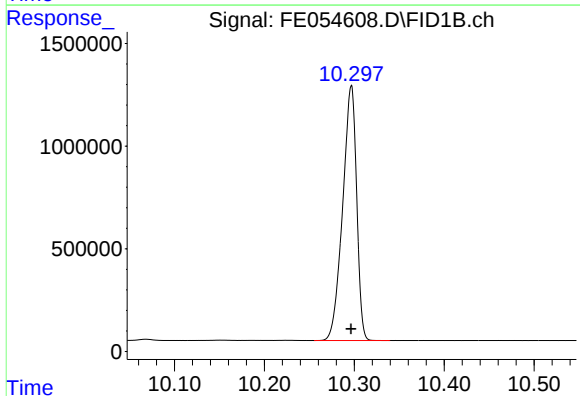
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 13806245
Conc: 98.39 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



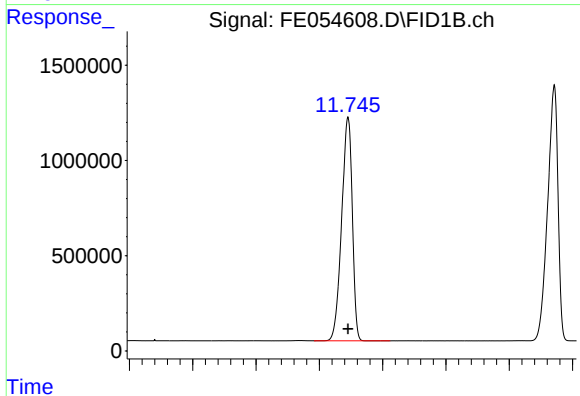
#6 n-Tetradecane (C14)

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



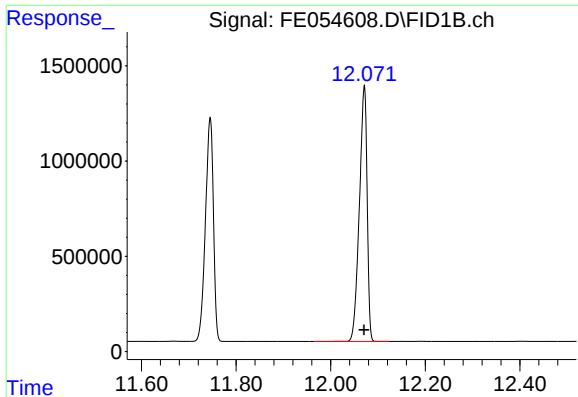
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

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



#9 ortho-Terphenyl (SURR)

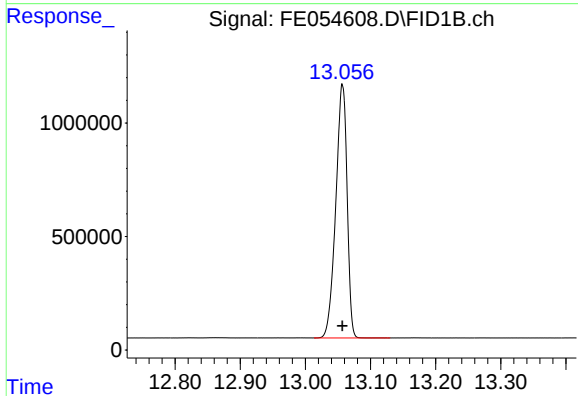
R.T.: 12.071 min
Delta R.T.: 0.000 min
Response: 15261711
Conc: 98.32 ug/ml

Instrument :

FID_E

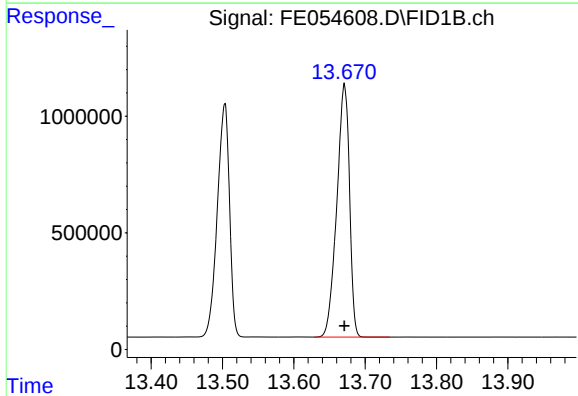
ClientSampleId :

100 PPM ALIPHATIC HC STD1



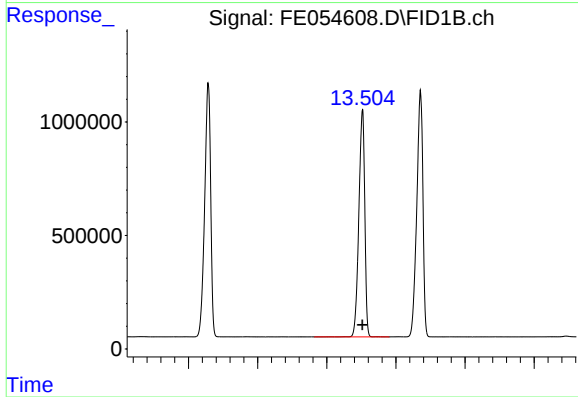
#10 n-Eicosane (C20)

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



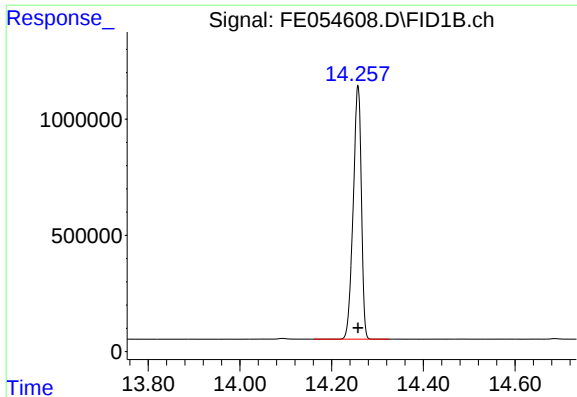
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

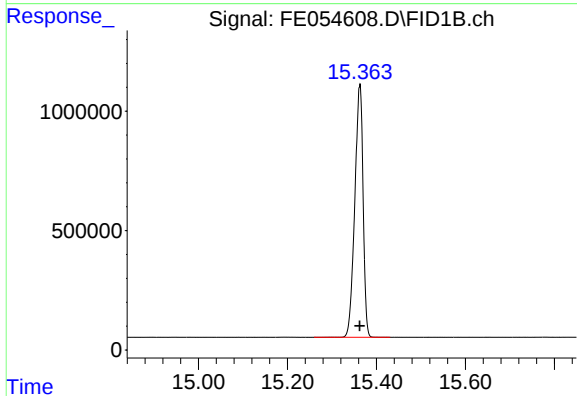
R.T.: 13.503 min
Delta R.T.: 0.000 min
Response: 11912385
Conc: 98.56 ug/ml



#13 n-Docosane (C22)

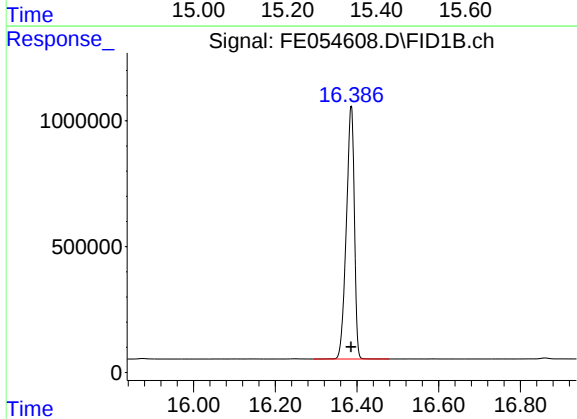
R.T.: 14.257 min
Delta R.T.: 0.000 min
Response: 13479858
Conc: 98.59 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



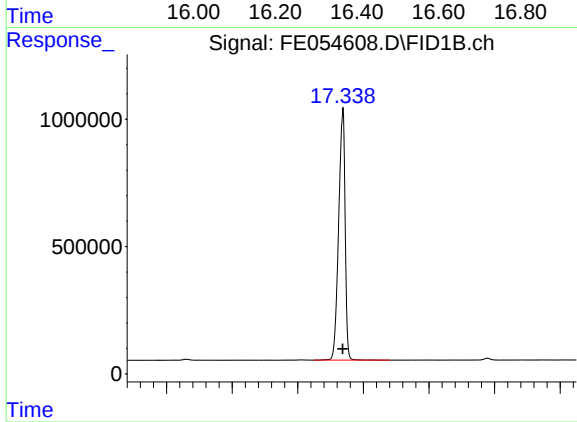
#14 n-Tetracosane (C24)

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



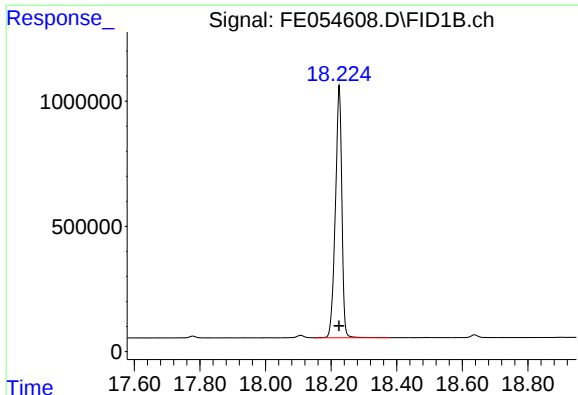
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

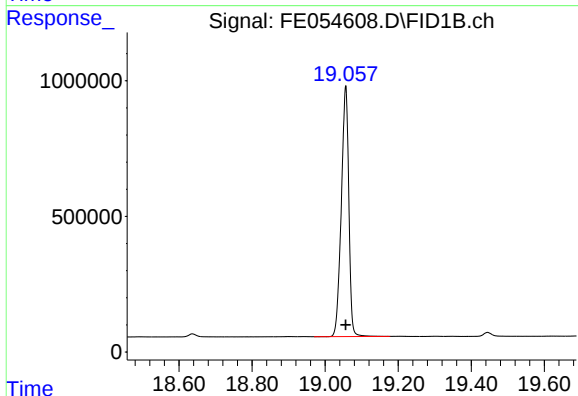
R.T.: 17.337 min
Delta R.T.: 0.000 min
Response: 13551138
Conc: 98.10 ug/ml



#17 n-Tricontane (C30)

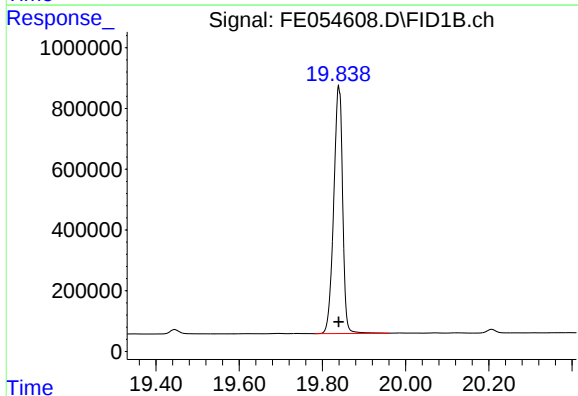
R.T.: 18.224 min
Delta R.T.: 0.000 min
Response: 13754161
Conc: 95.72 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



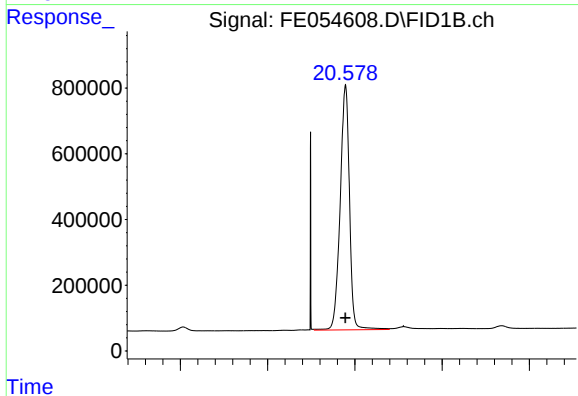
#18 n-Dotriacontane (C32)

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



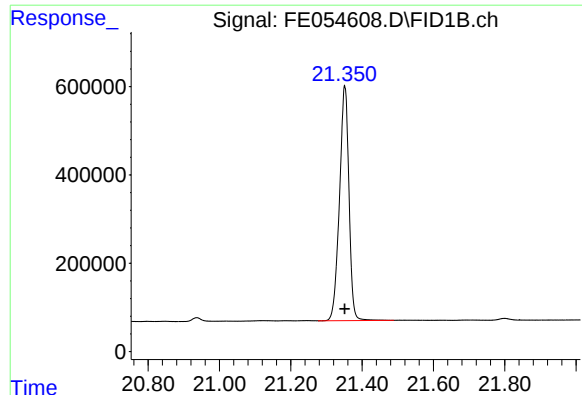
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

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



#21 n-Octatriacontane (C38)

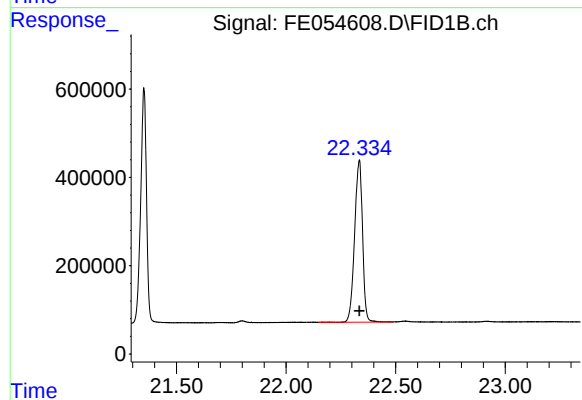
R.T.: 21.352 min
Delta R.T.: 0.000 min
Response: 9810489
Conc: 94.26 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1B.ch

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

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

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

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Manual Integrations
 APPROVED

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

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

(m)=manual int.

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

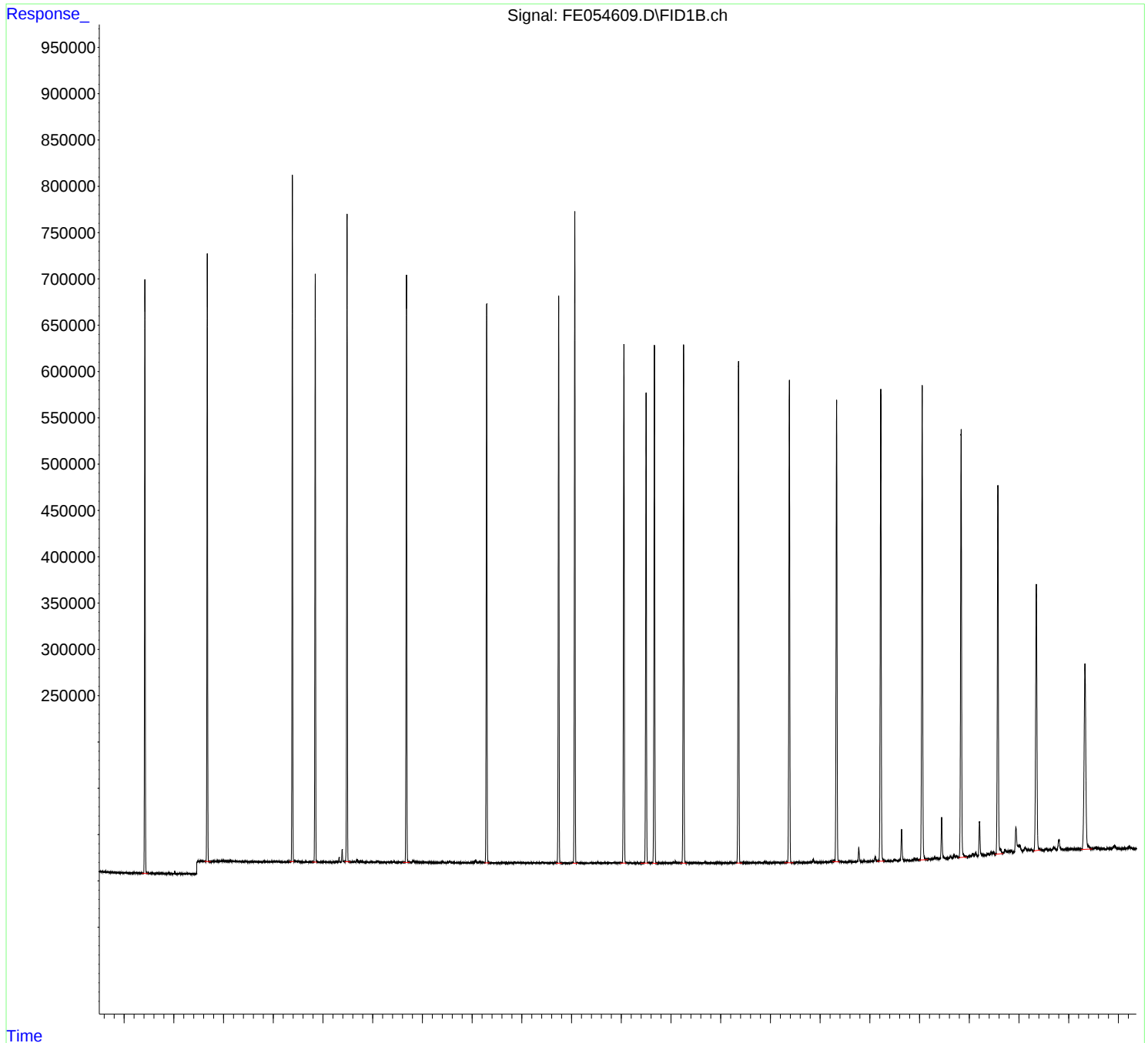
Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

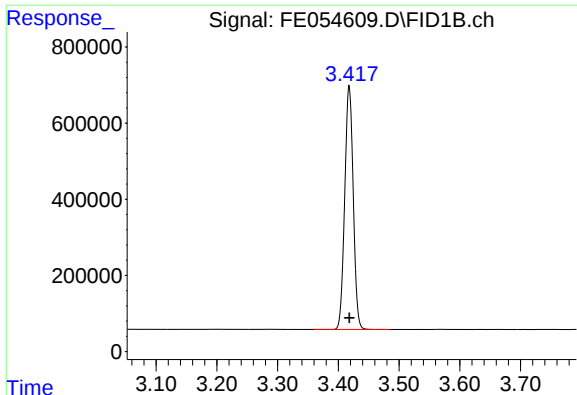
Manual Integrations
APPROVED

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

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

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





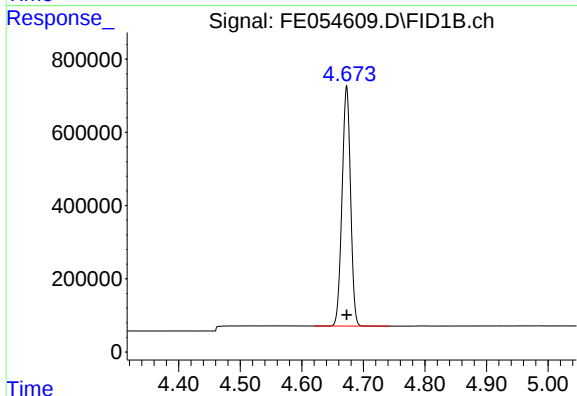
#1 n-Nonane (C9)

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

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

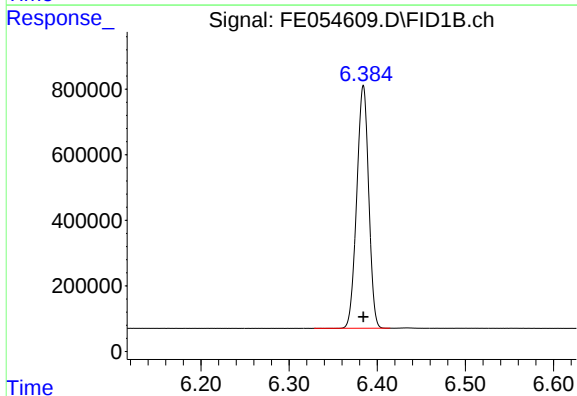
Manual Integrations
APPROVED

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



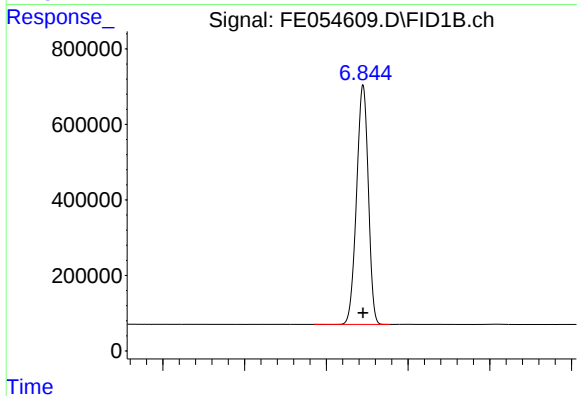
#2 n-Decane (C10)

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



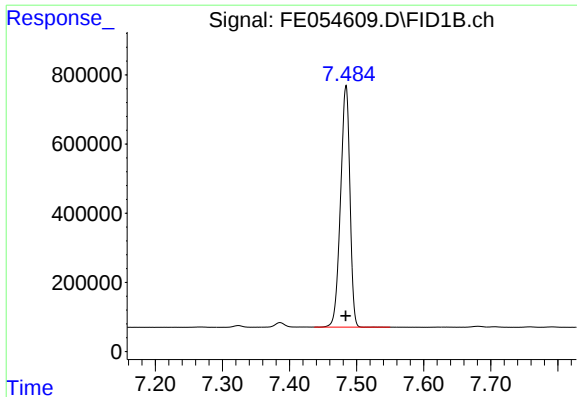
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

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



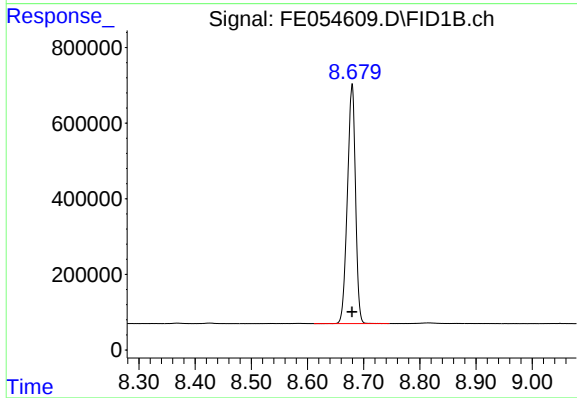
#5 A~2-methylnaphthalene (C12.89)

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

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

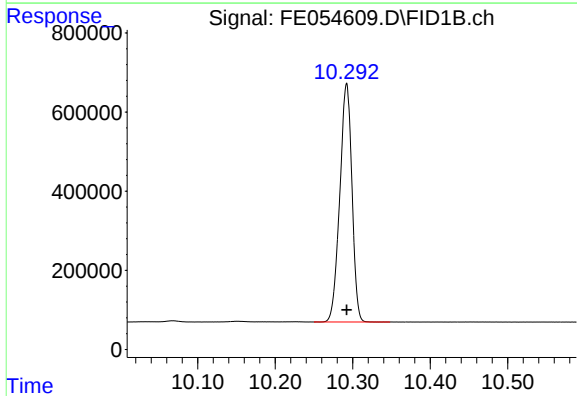
Manual Integrations
APPROVED

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



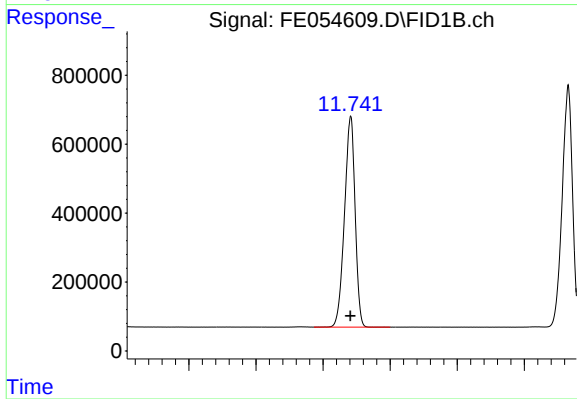
#6 n-Tetradecane (C14)

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



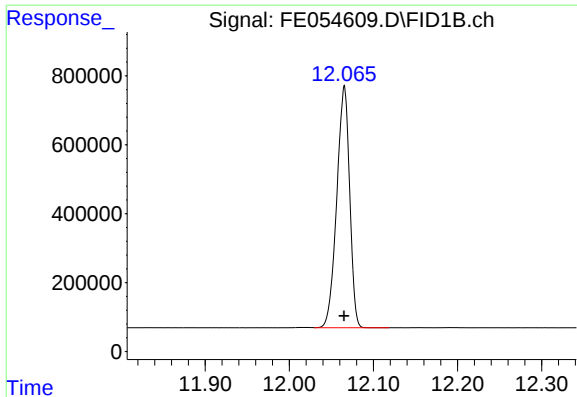
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

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



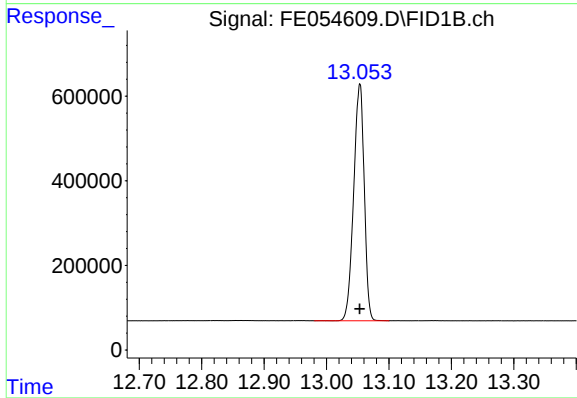
#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

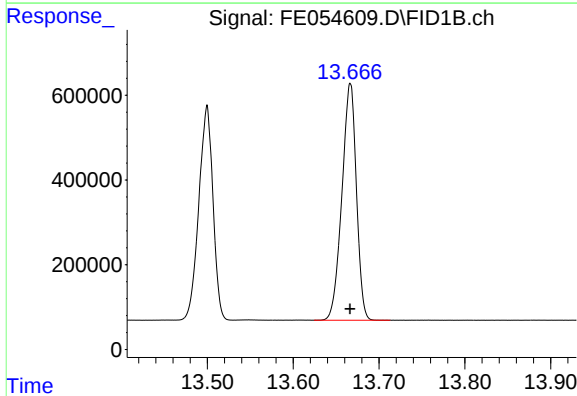
Manual Integrations
APPROVED

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



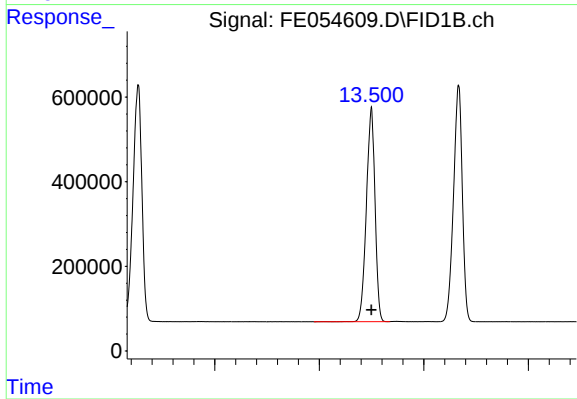
#10 n-Eicosane (C20)

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



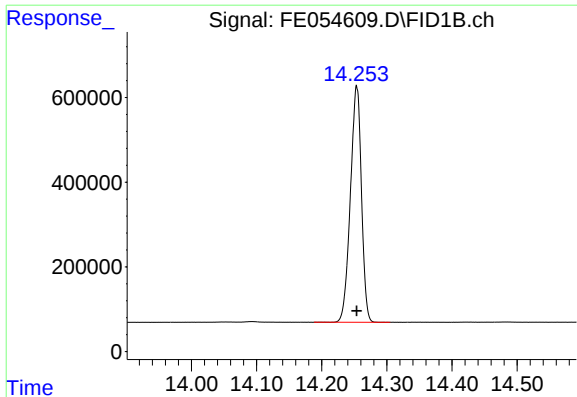
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

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



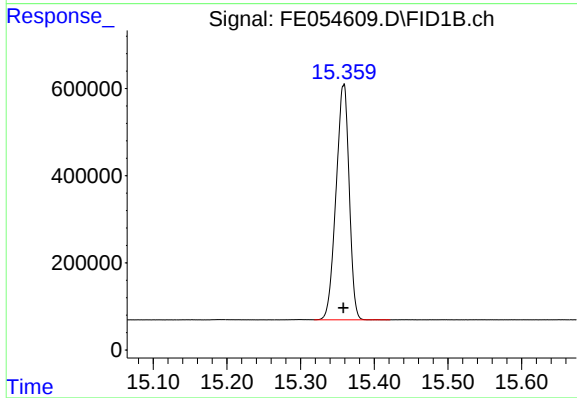
#13 n-Docosane (C22)

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

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

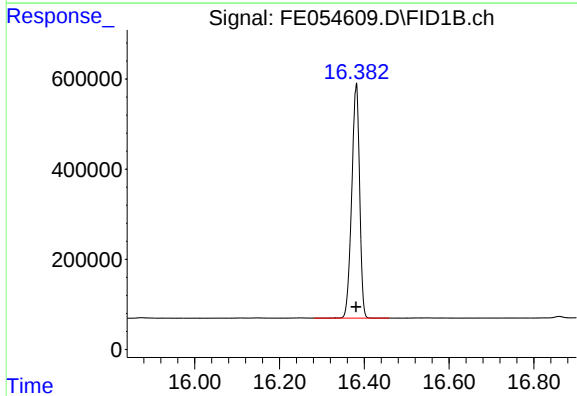
Manual Integrations
APPROVED

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



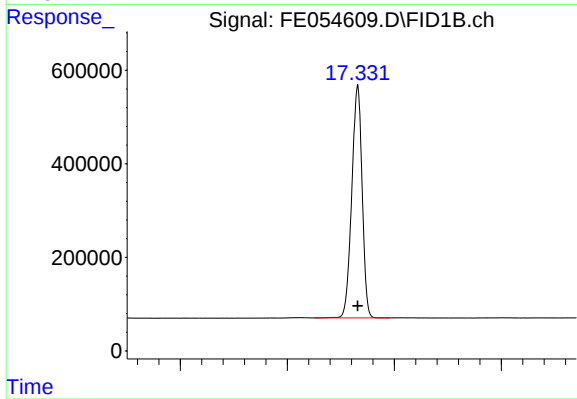
#14 n-Tetracosane (C24)

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



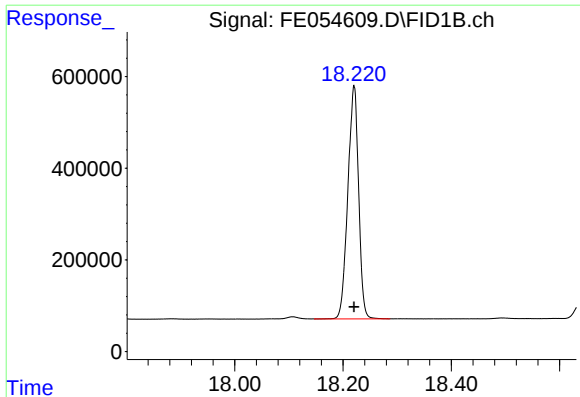
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

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



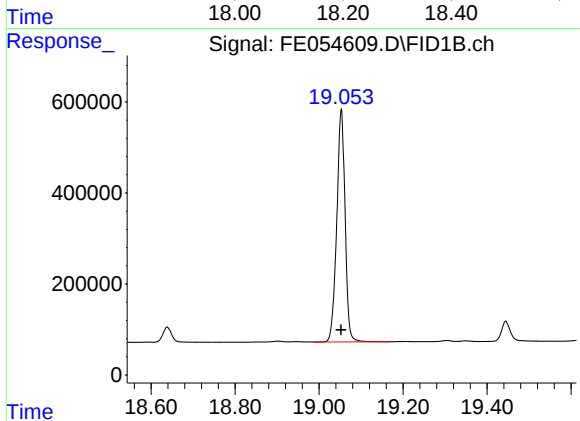
#17 n-Tricontane (C30)

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

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

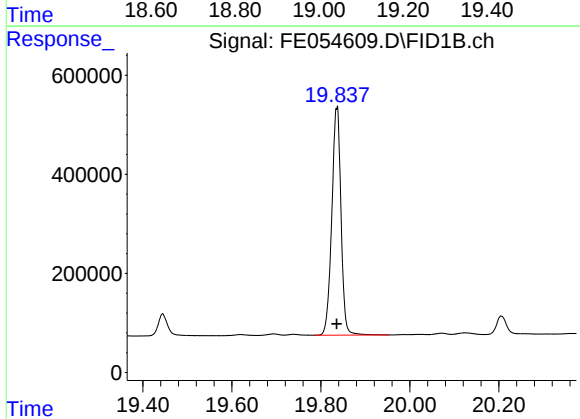
Manual Integrations
APPROVED

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



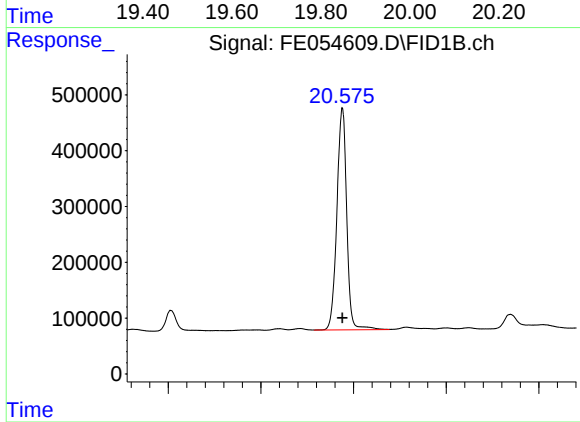
#18 n-Dotriacontane (C32)

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



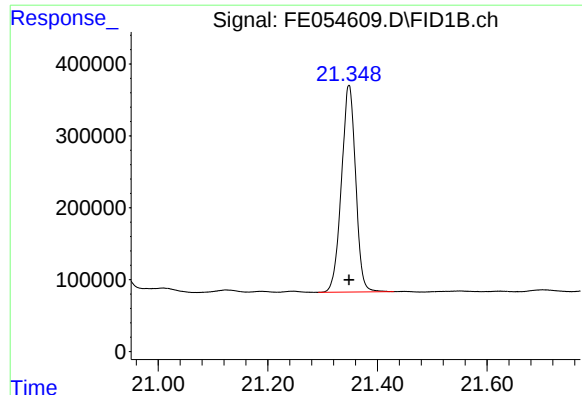
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

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



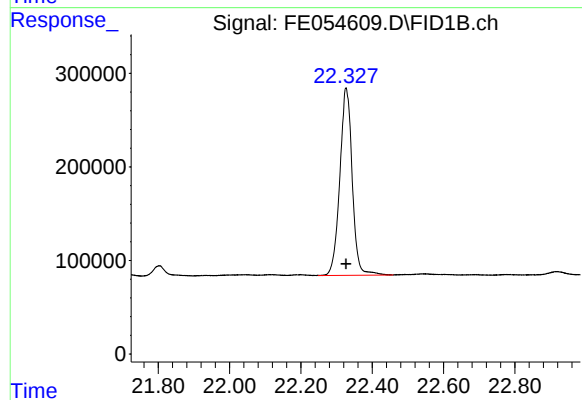
#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Manual Integrations
APPROVED

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



#22 n-Tetracontane (C40)

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

rteres

Instrument :
FID_E
LabSampleId :
50 PPM ALIPHATIC HC STD2
Area Percent Report

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

Manual IntegrationsAPPROVED

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

Integration File: autoint1.e

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

Signal : FID1B.ch

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

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

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

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

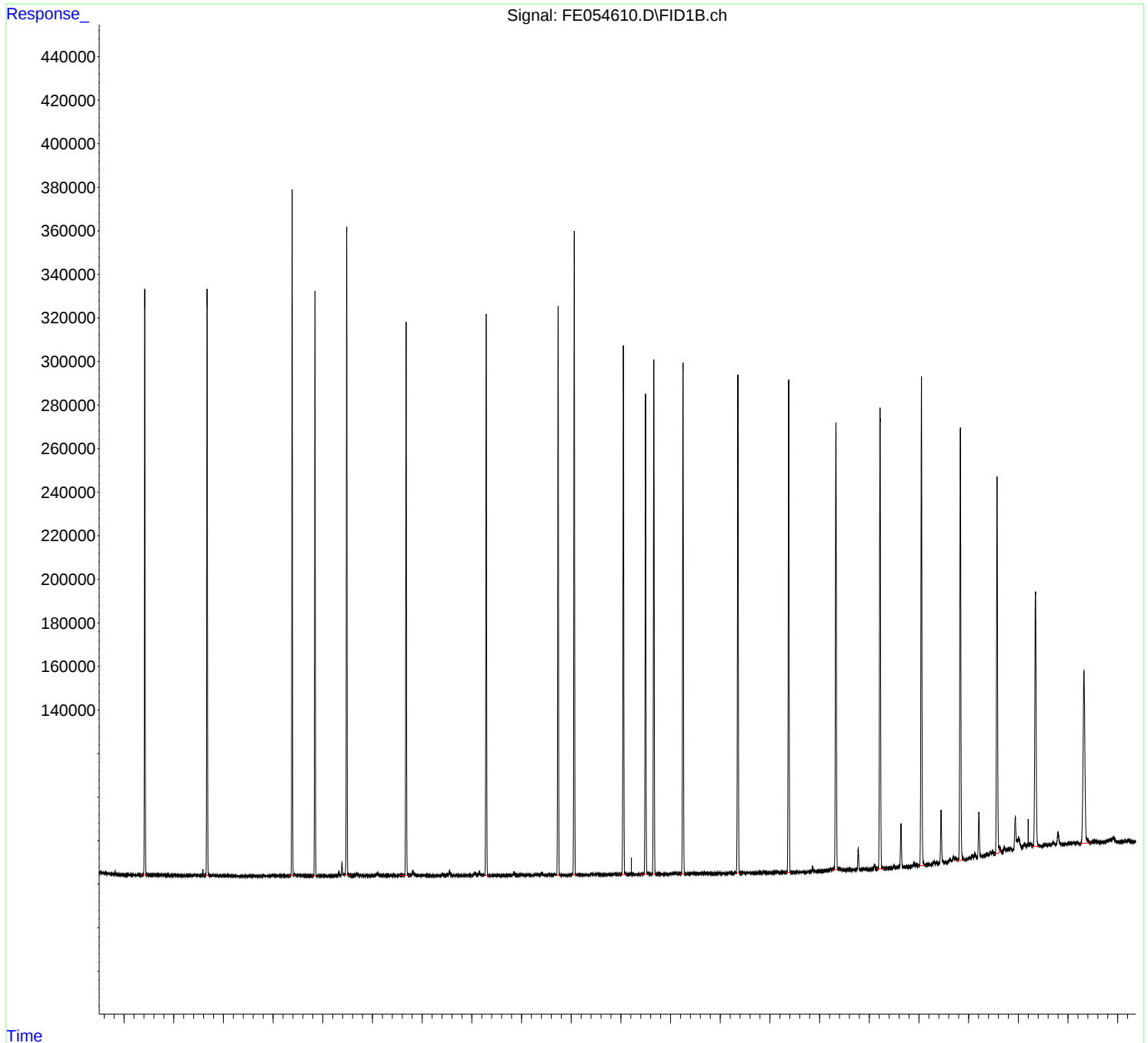
(m)=manual int.

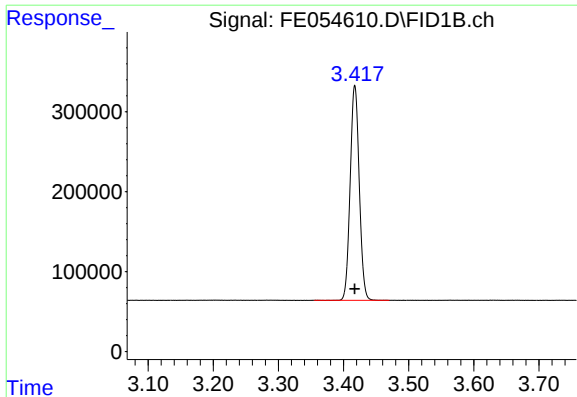
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054610.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 13:53
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

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

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

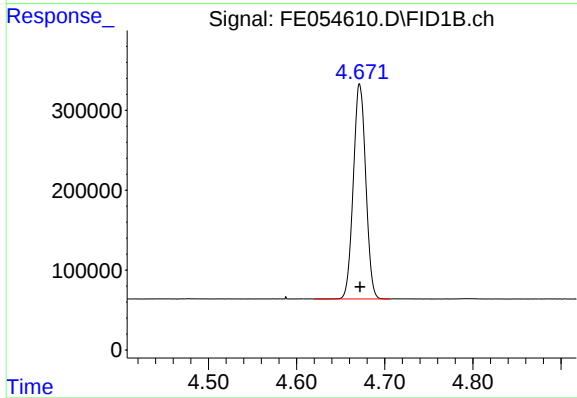




#1 n-Nonane (C9)

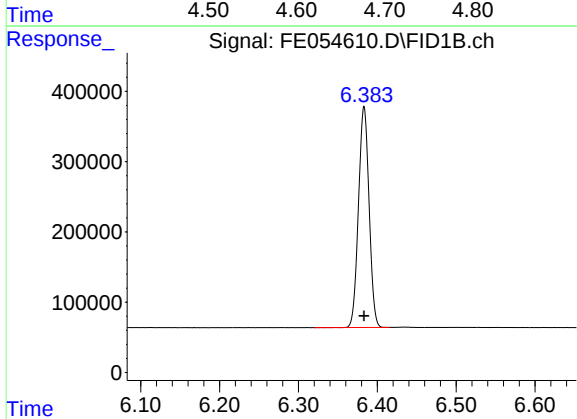
R.T.: 3.417 min
Delta R.T.: 0.000 min
Response: 2604070
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



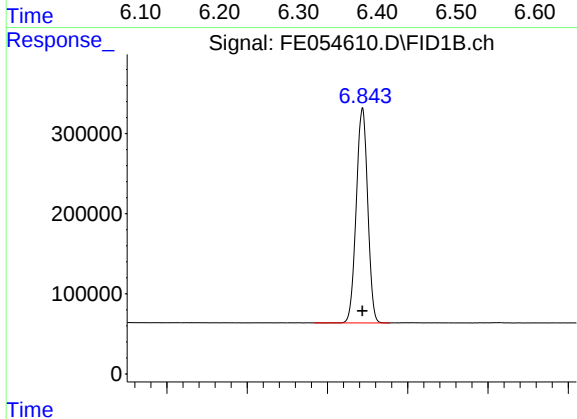
#2 n-Decane (C10)

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



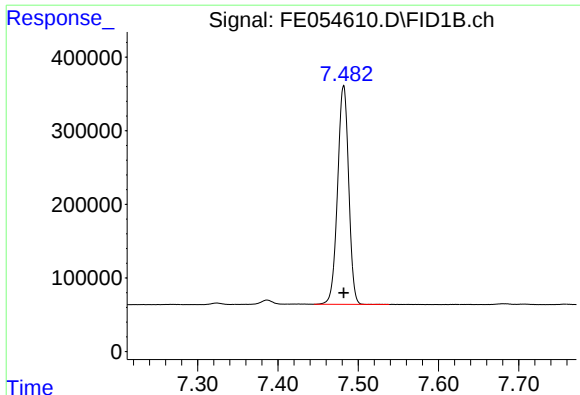
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

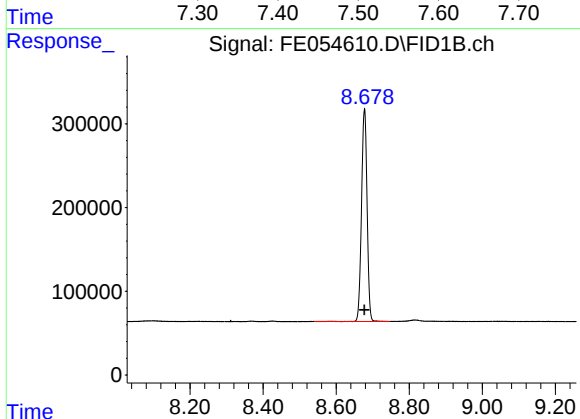
R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 2657748
Conc: 20.00 ug/ml



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

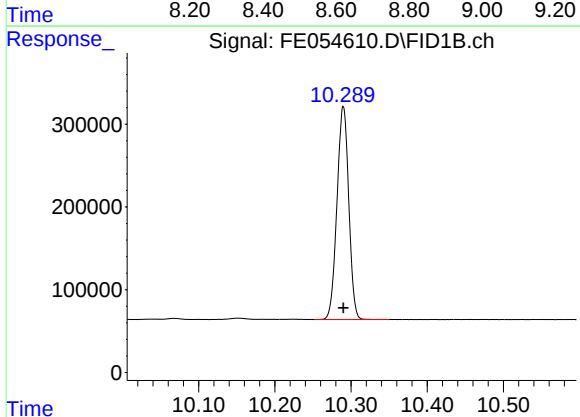
R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 2851436
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



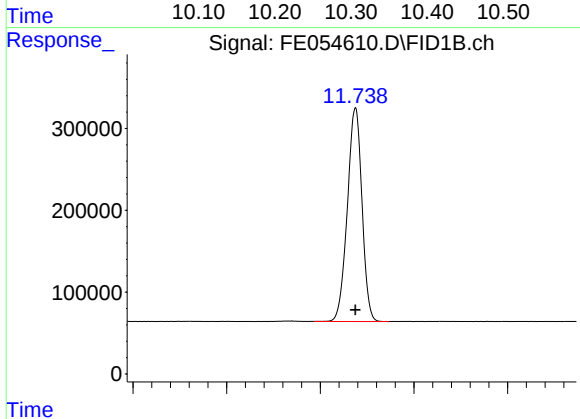
#6 n-Tetradecane (C14)

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



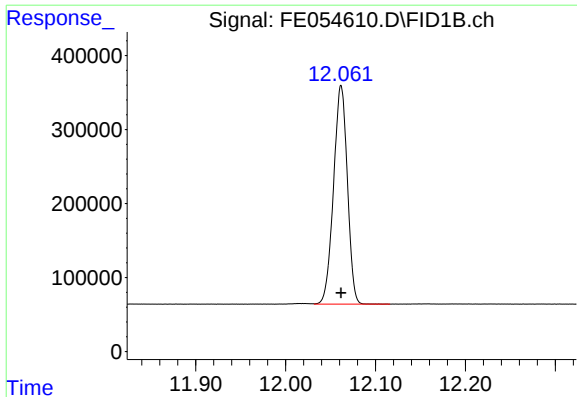
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

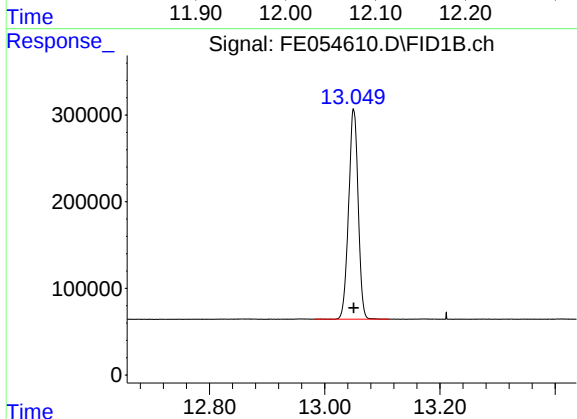
R.T.: 11.737 min
Delta R.T.: 0.000 min
Response: 2838043
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

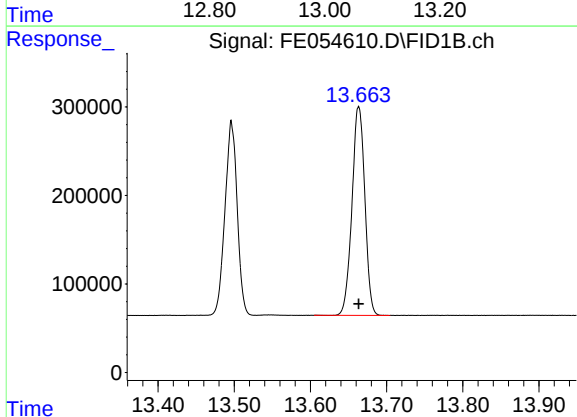
R.T.: 12.062 min
Delta R.T.: 0.000 min
Response: 3156943
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



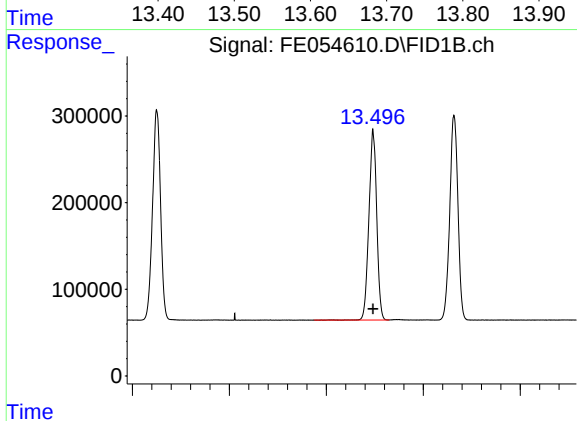
#10 n-Eicosane (C20)

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



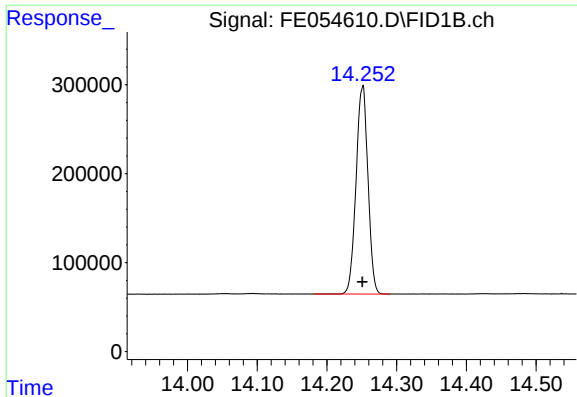
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

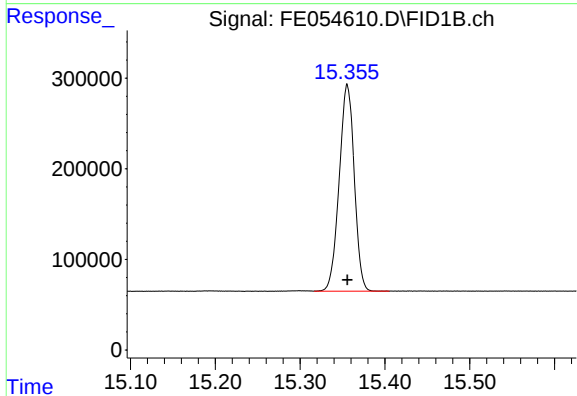
R.T.: 13.497 min
Delta R.T.: 0.000 min
Response: 2452207
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

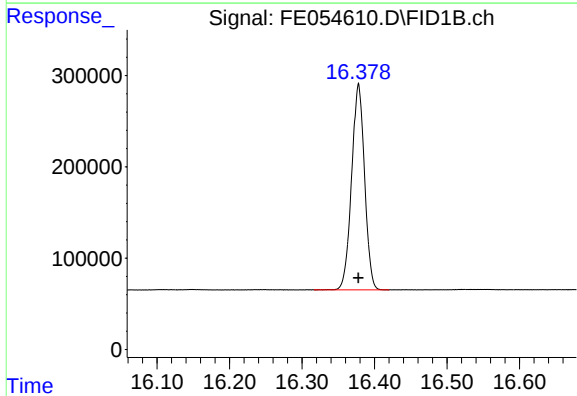
R.T.: 14.251 min
Delta R.T.: 0.000 min
Response: 2773055
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



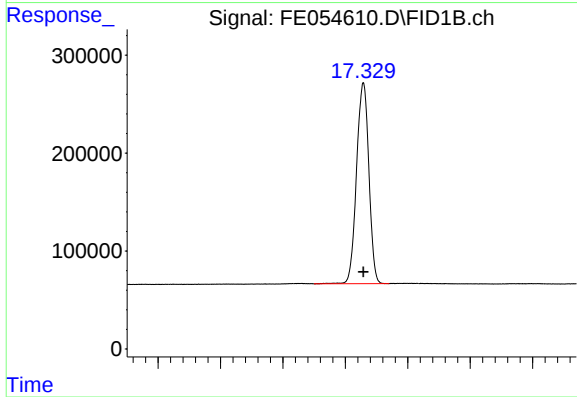
#14 n-Tetracosane (C24)

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



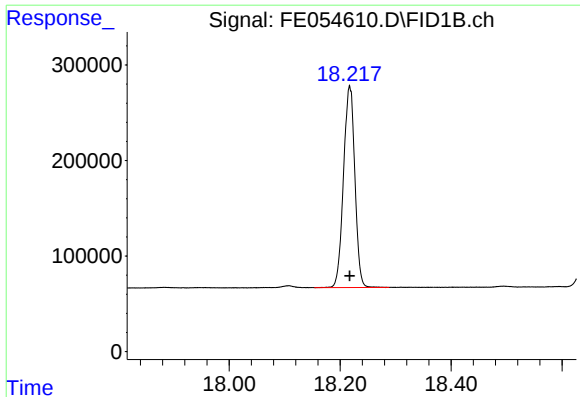
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

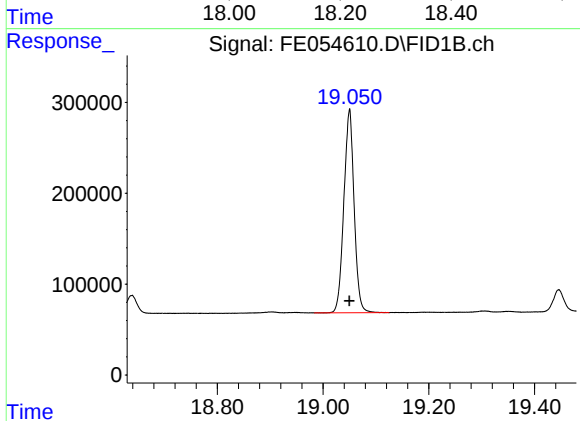
R.T.: 17.329 min
Delta R.T.: 0.000 min
Response: 2814947
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

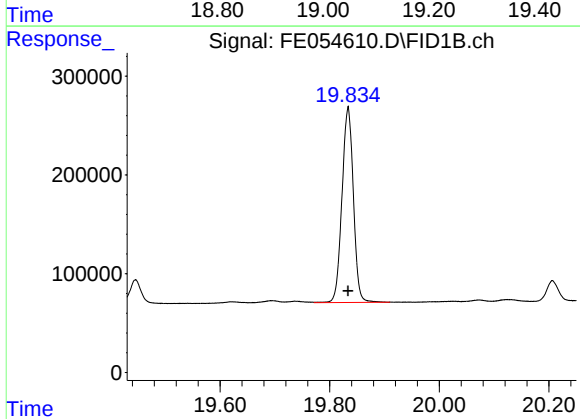
R.T.: 18.217 min
Delta R.T.: 0.000 min
Response: 2997062
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



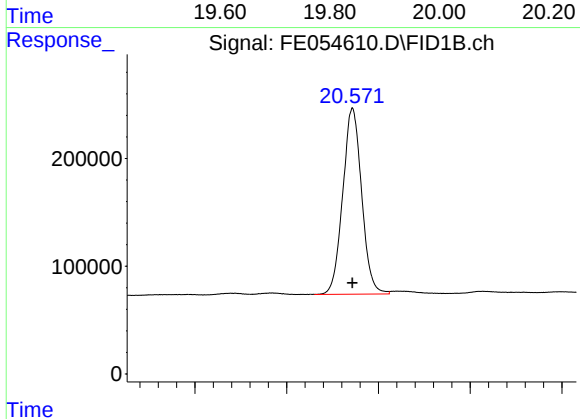
#18 n-Dotriacontane (C32)

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



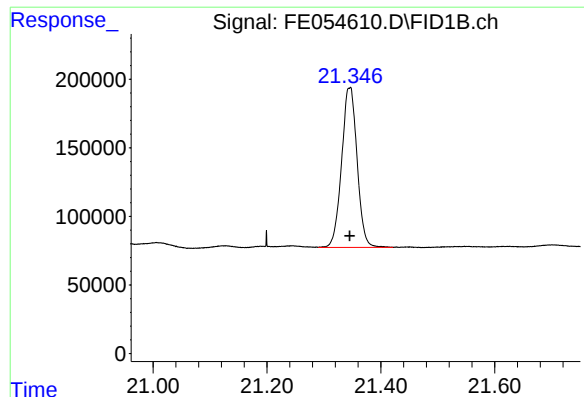
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

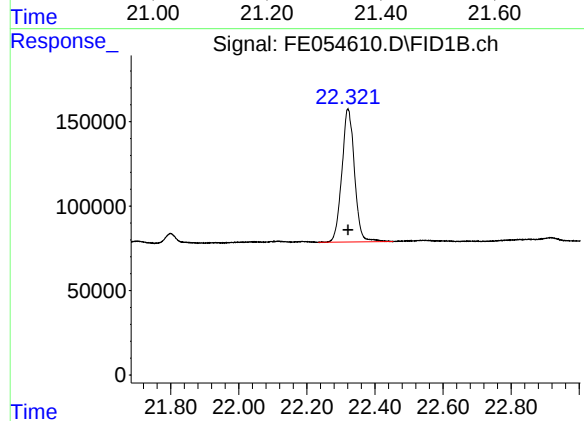
R.T.: 20.572 min
Delta R.T.: 0.000 min
Response: 2473790
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1B.ch

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

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

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

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

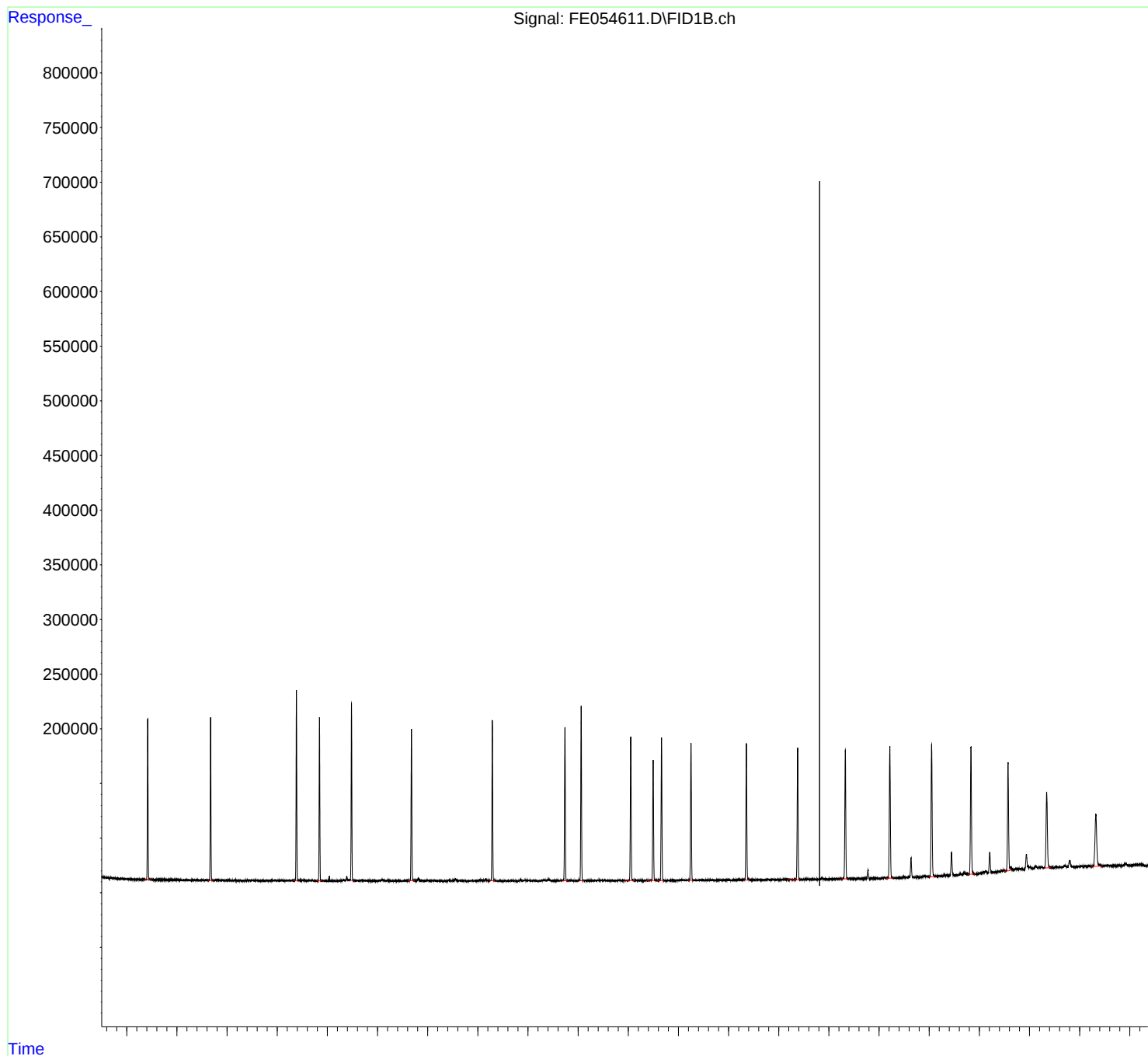
(m)=manual int.

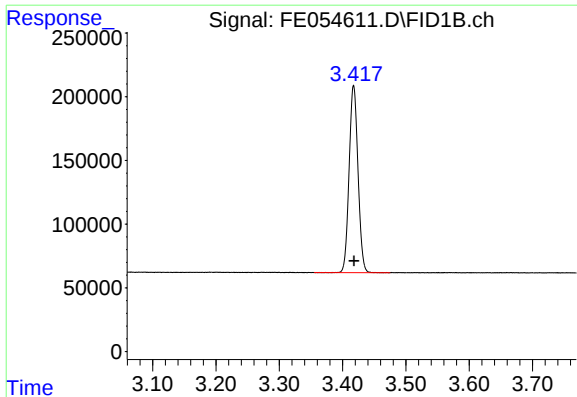
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054611.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 14:23
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

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

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

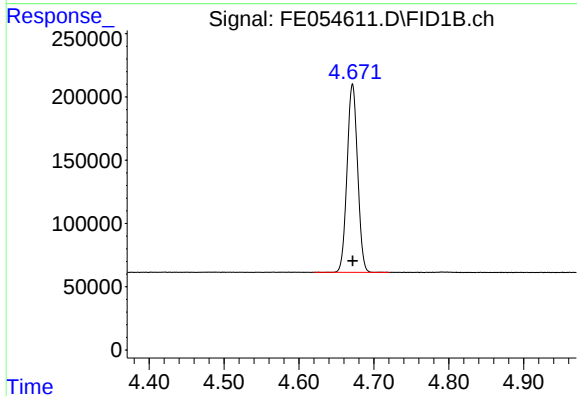




#1 n-Nonane (C9)

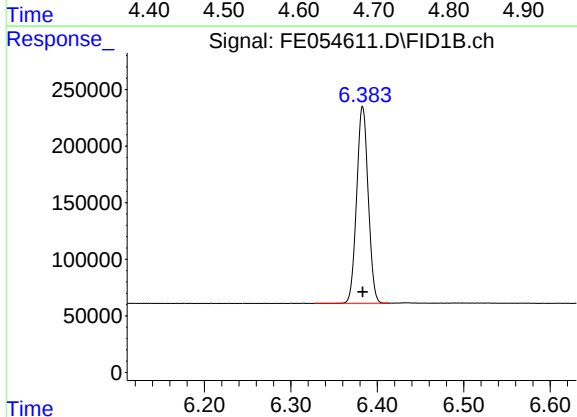
R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 1430994
Conc: 10.92 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



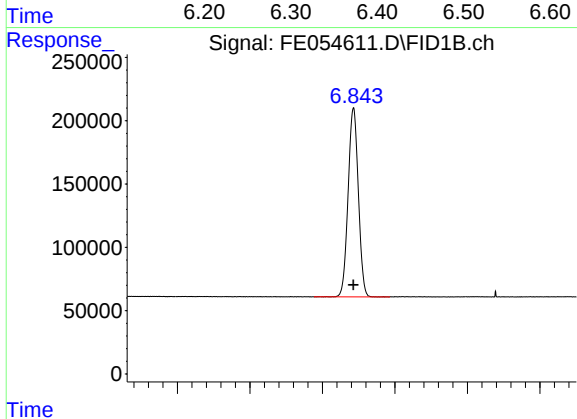
#2 n-Decane (C10)

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



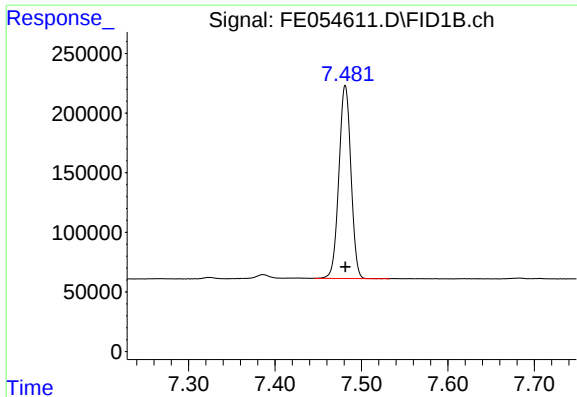
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

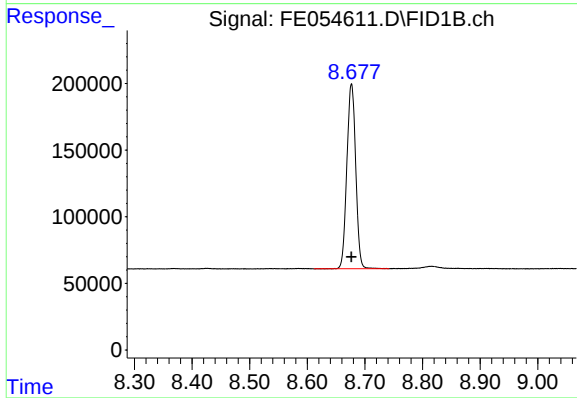
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 1461644
Conc: 10.94 ug/ml



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

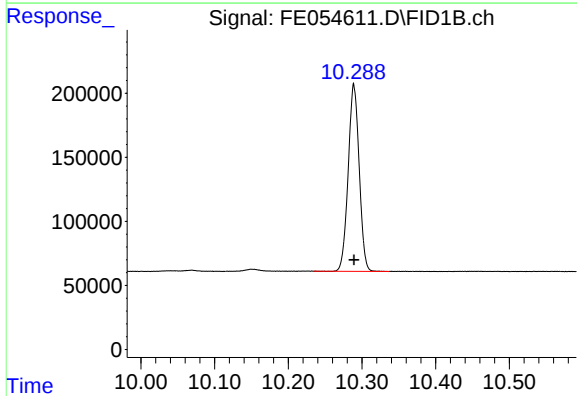
R.T.: 7.481 min
Delta R.T.: 0.000 min
Response: 1563539
Conc: 10.92 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



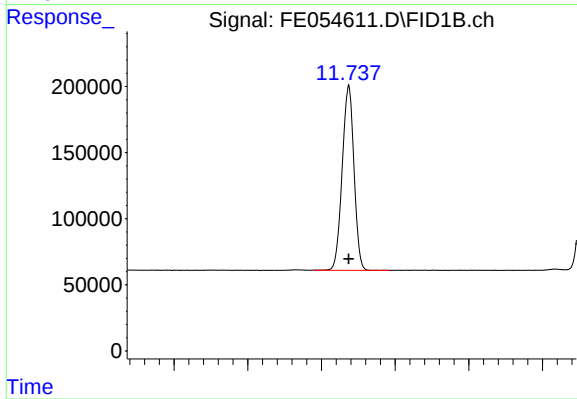
#6 n-Tetradecane (C14)

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



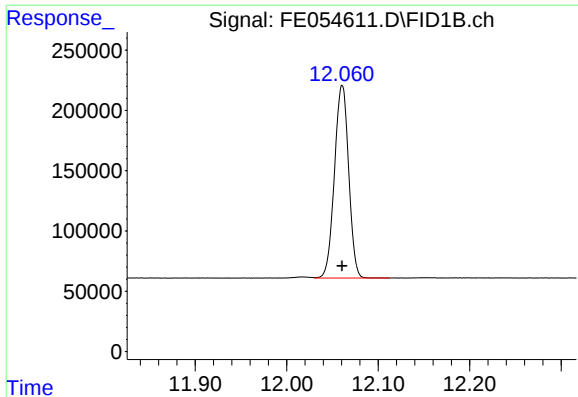
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

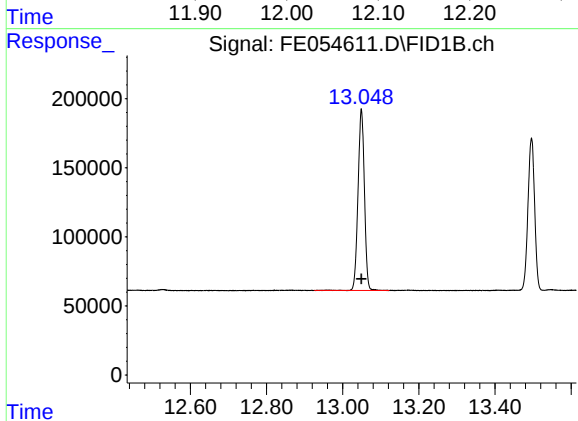
R.T.: 11.737 min
Delta R.T.: 0.000 min
Response: 1554612
Conc: 10.92 ug/ml



#9 ortho-Terphenyl (SURR)

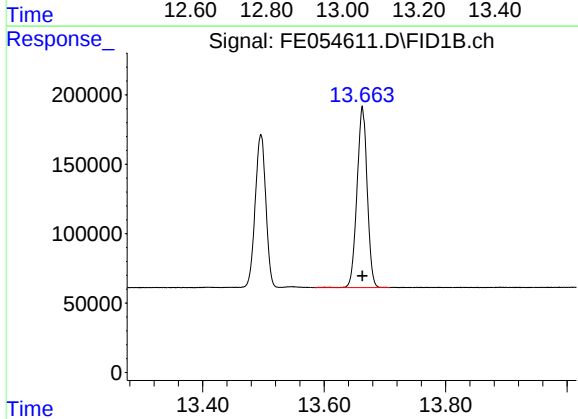
R.T.: 12.061 min
Delta R.T.: 0.000 min
Response: 1724999
Conc: 10.91 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



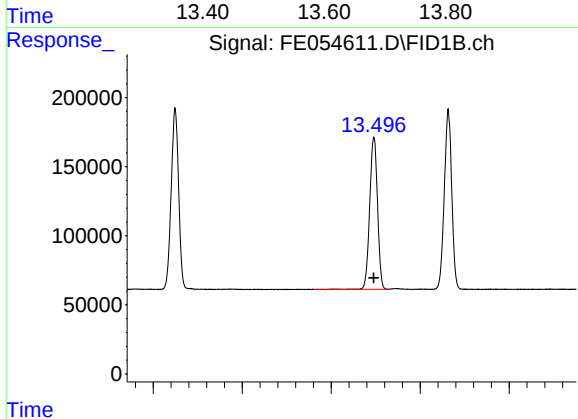
#10 n-Eicosane (C20)

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



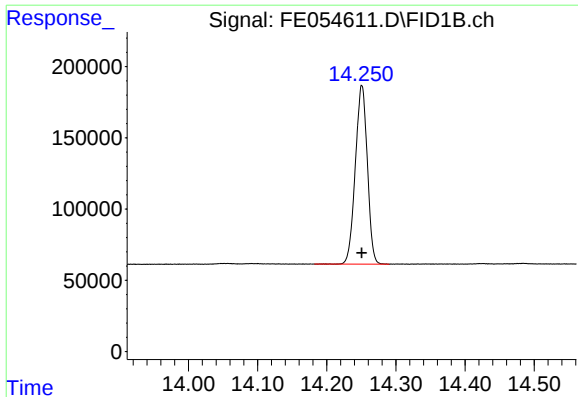
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

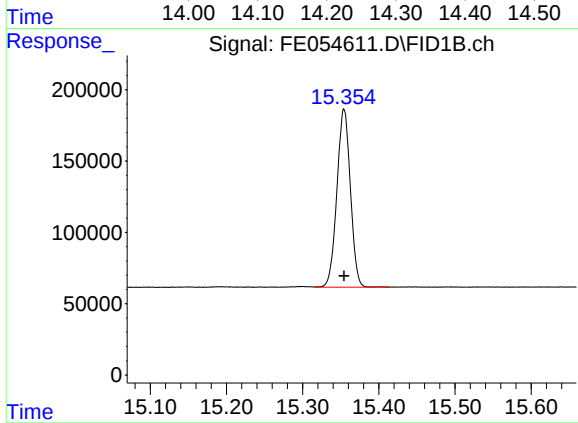
R.T.: 13.496 min
Delta R.T.: 0.000 min
Response: 1337321
Conc: 10.88 ug/ml



#13 n-Docosane (C22)

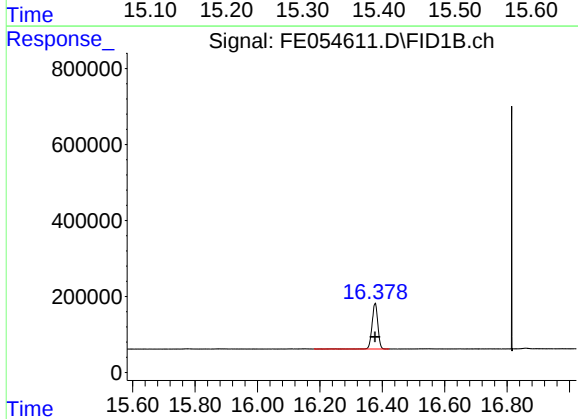
R.T.: 14.251 min
Delta R.T.: 0.000 min
Response: 1512806
Conc: 10.88 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



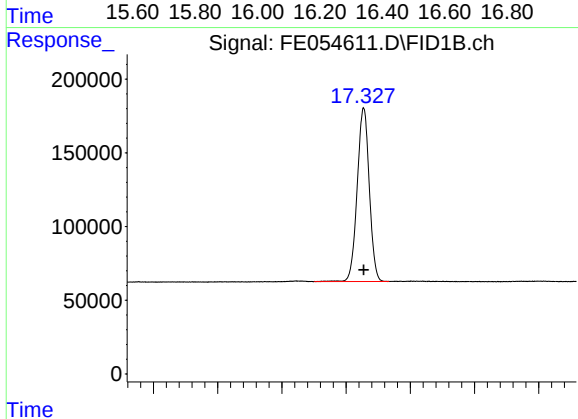
#14 n-Tetracosane (C24)

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



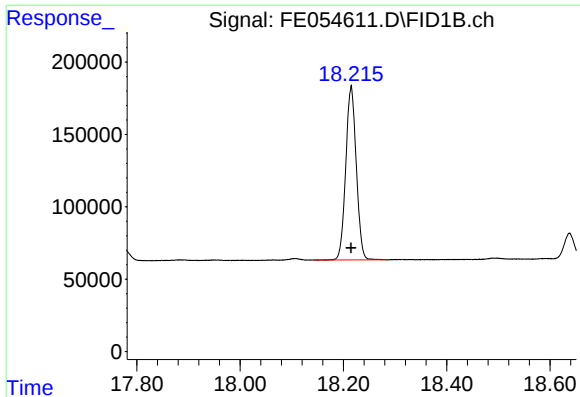
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

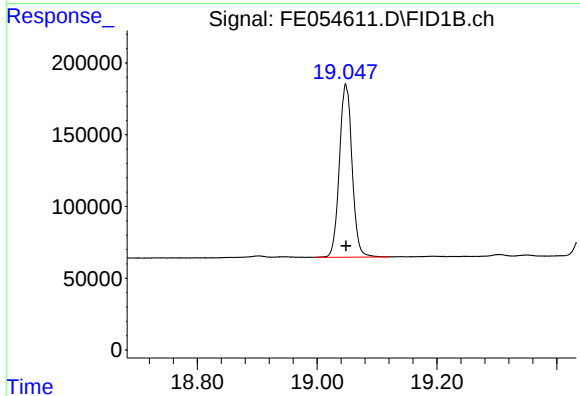
R.T.: 17.327 min
Delta R.T.: 0.000 min
Response: 1542456
Conc: 10.93 ug/ml



#17 n-Tricontane (C30)

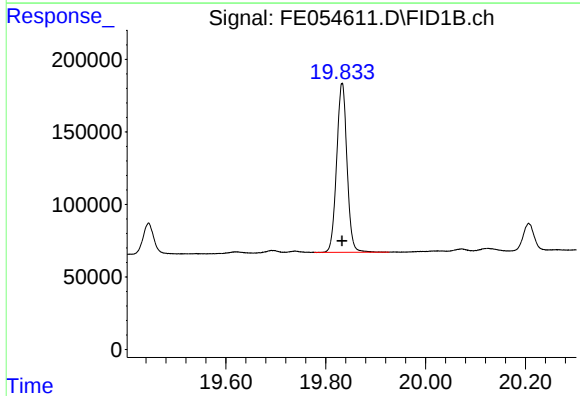
R.T.: 18.215 min
Delta R.T.: 0.000 min
Response: 1692830
Conc: 11.34 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



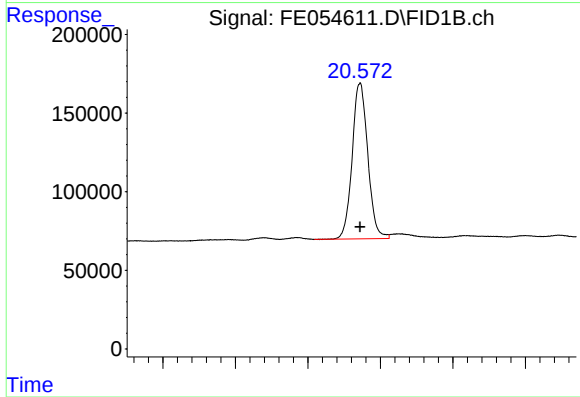
#18 n-Dotriacontane (C32)

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



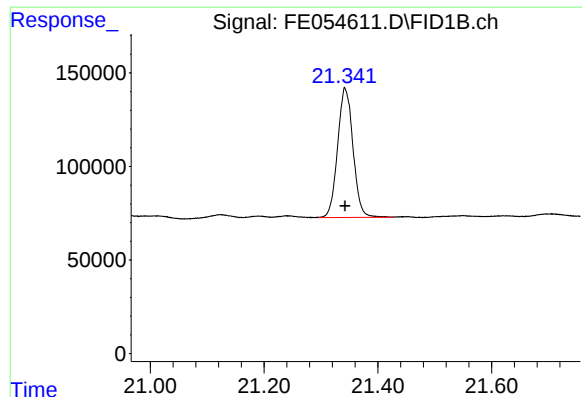
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

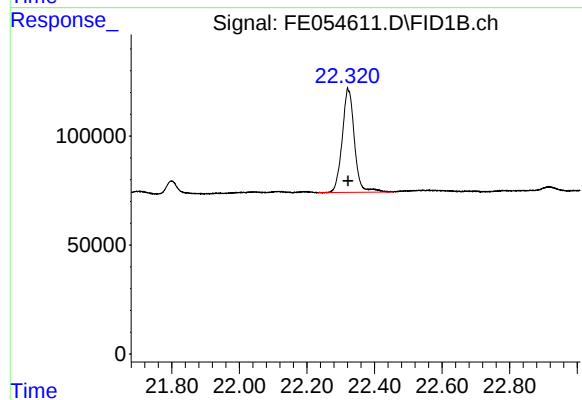
R.T.: 20.572 min
Delta R.T.: 0.000 min
Response: 1485639
Conc: 11.87 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1B.ch

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

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

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

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

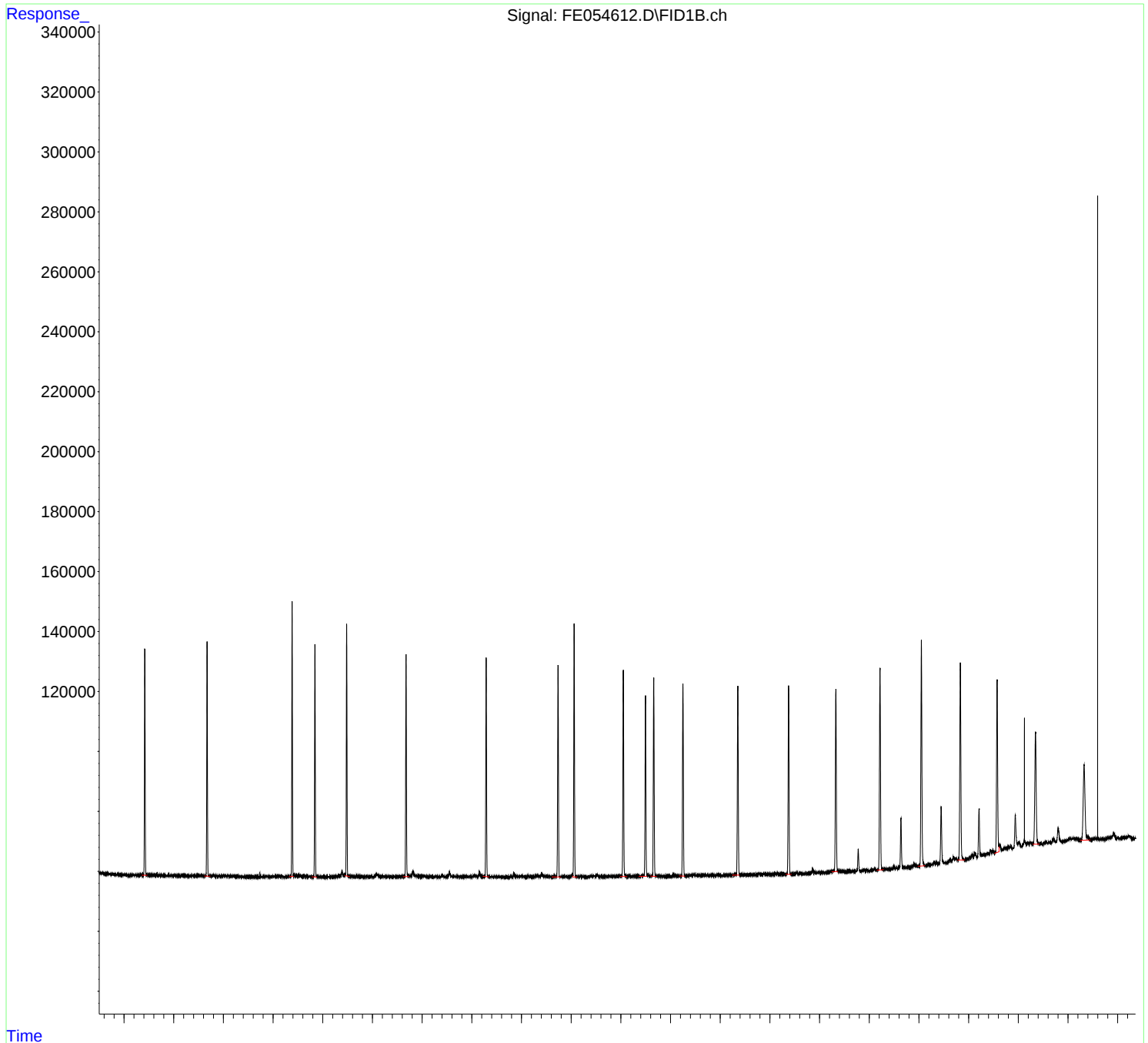
(m)=manual int.

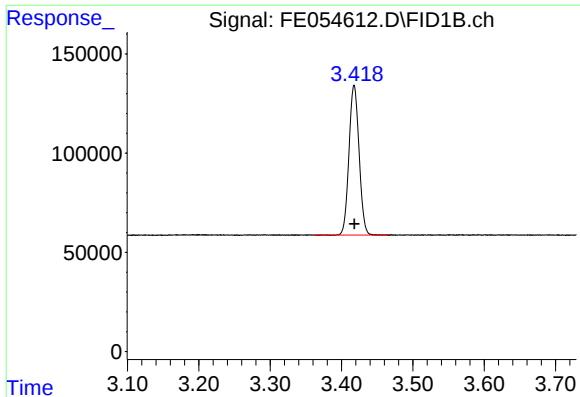
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054612.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 14:54
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

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

Volume Inj. : 1 u1
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

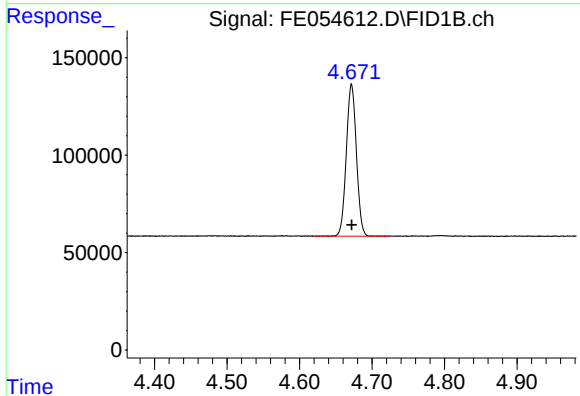




#1 n-Nonane (C9)

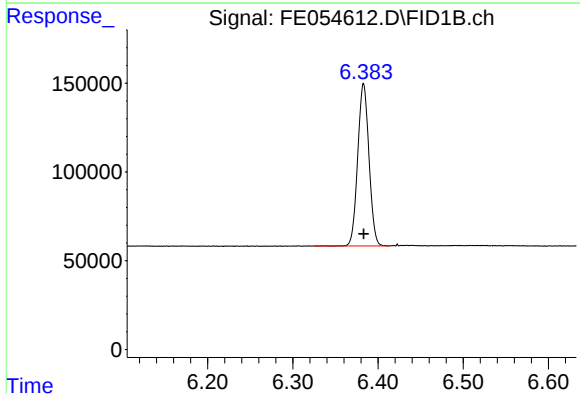
R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 741733
Conc: 5.51 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



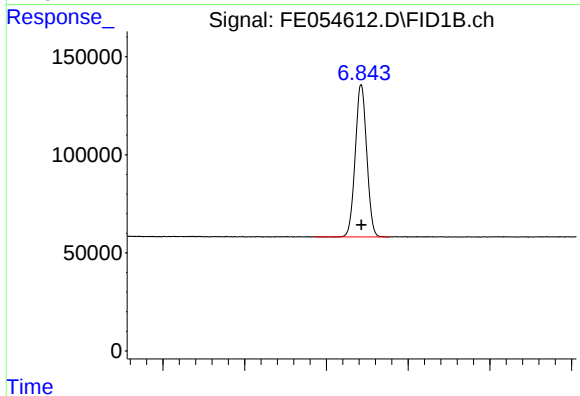
#2 n-Decane (C10)

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



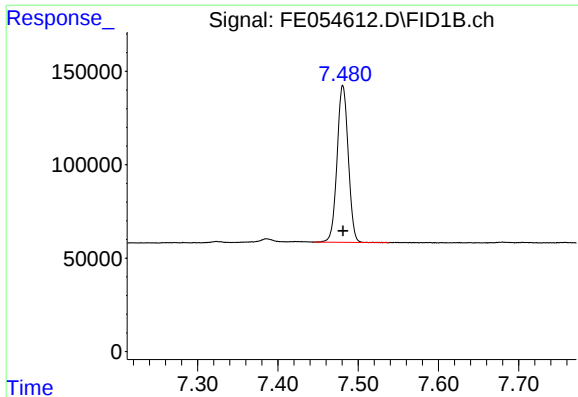
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

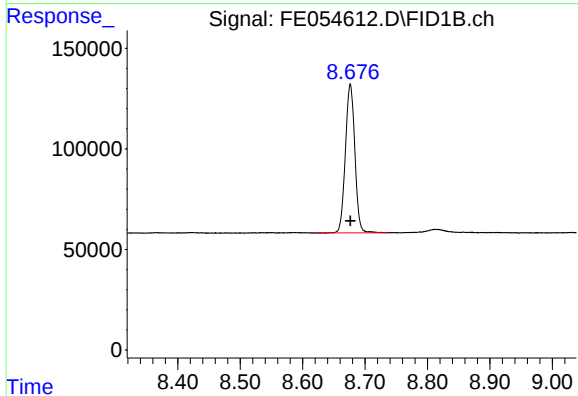
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 758434
Conc: 5.53 ug/ml



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

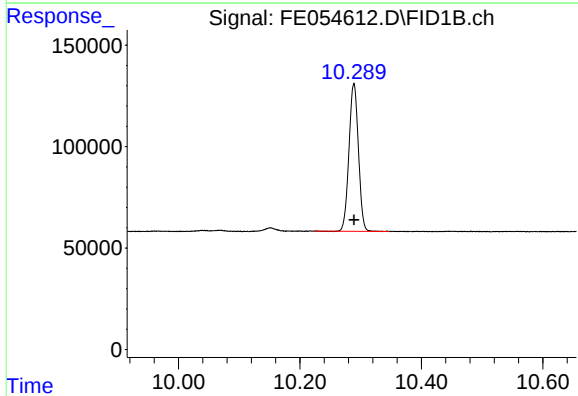
R.T.: 7.481 min
Delta R.T.: 0.000 min
Response: 812009
Conc: 5.52 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



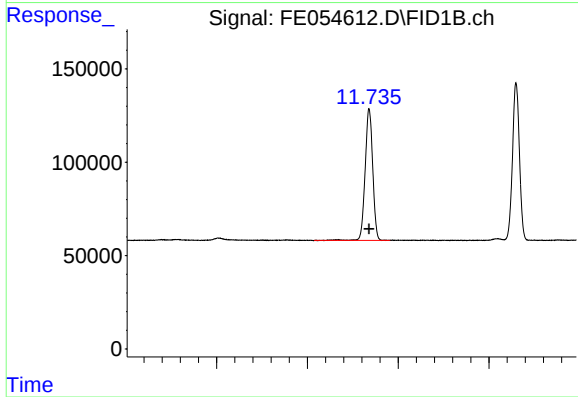
#6 n-Tetradecane (C14)

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



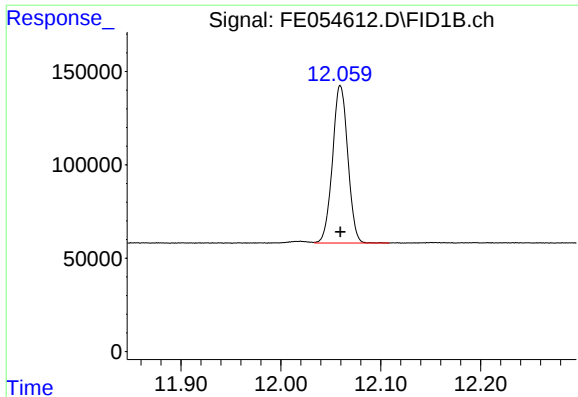
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

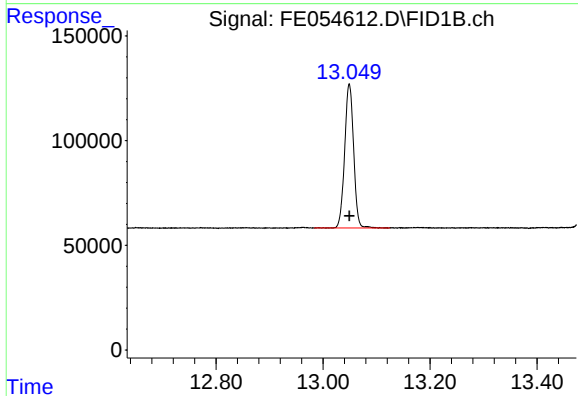
R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 817448
Conc: 5.58 ug/ml



#9 ortho-Terphenyl (SURR)

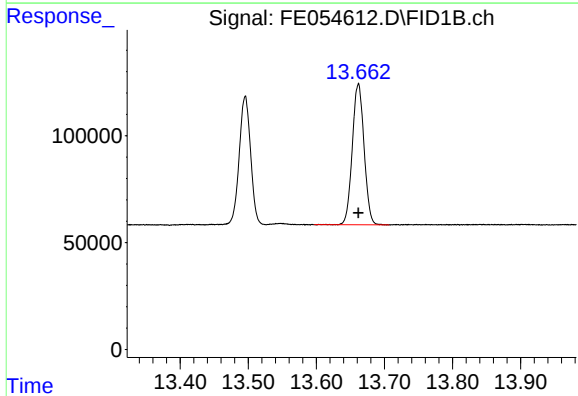
R.T.: 12.060 min
Delta R.T.: 0.000 min
Response: 897784
Conc: 5.53 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



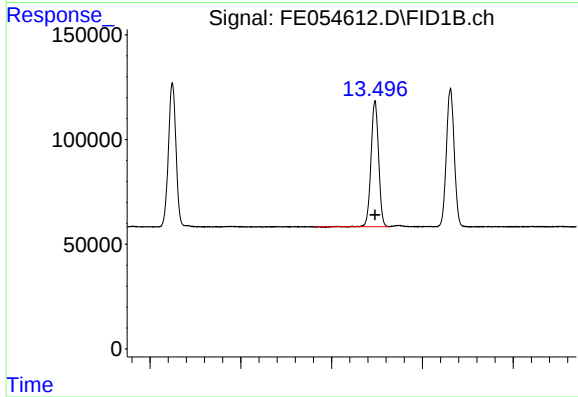
#10 n-Eicosane (C20)

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



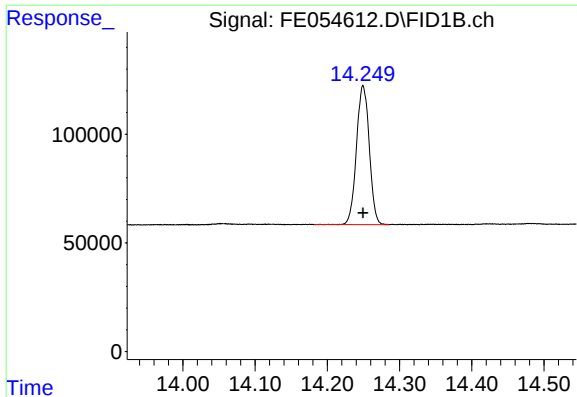
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

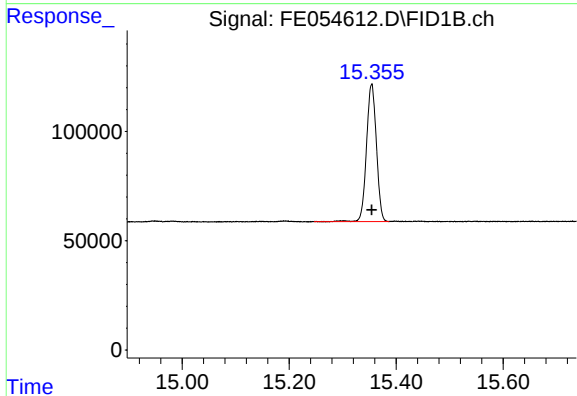
R.T.: 13.496 min
Delta R.T.: 0.000 min
Response: 698976
Conc: 5.53 ug/ml



#13 n-Docosane (C22)

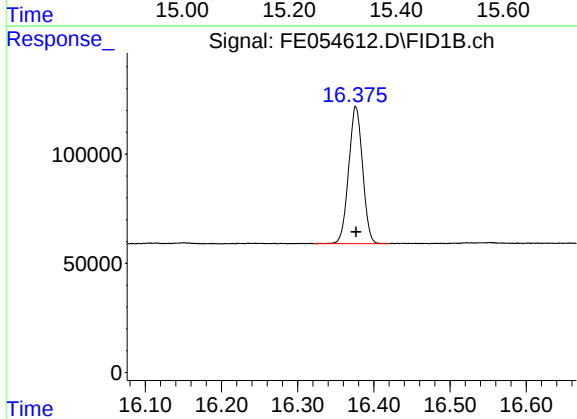
R.T.: 14.250 min
Delta R.T.: 0.000 min
Response: 787773
Conc: 5.52 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



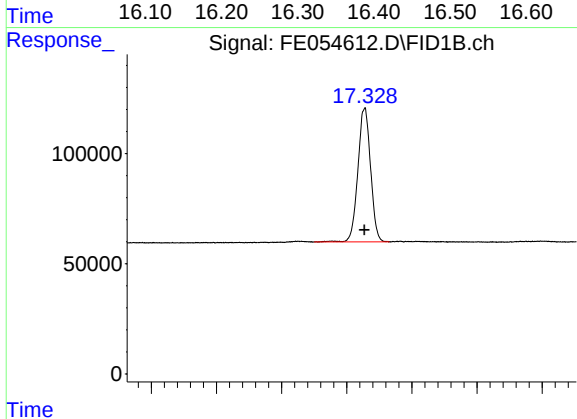
#14 n-Tetracosane (C24)

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



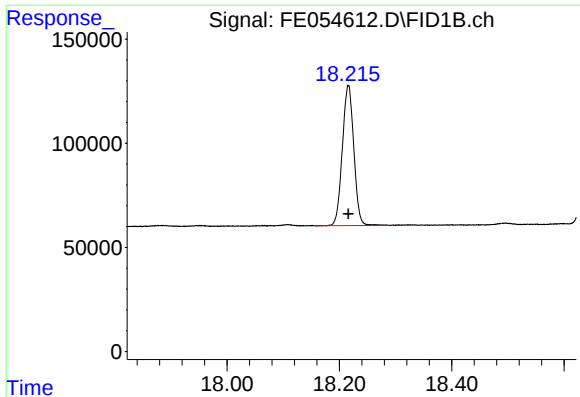
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

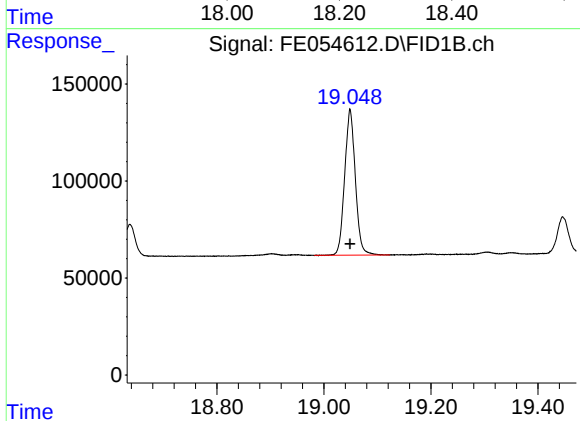
R.T.: 17.327 min
Delta R.T.: 0.000 min
Response: 822169
Conc: 5.64 ug/ml



#17 n-Tricontane (C30)

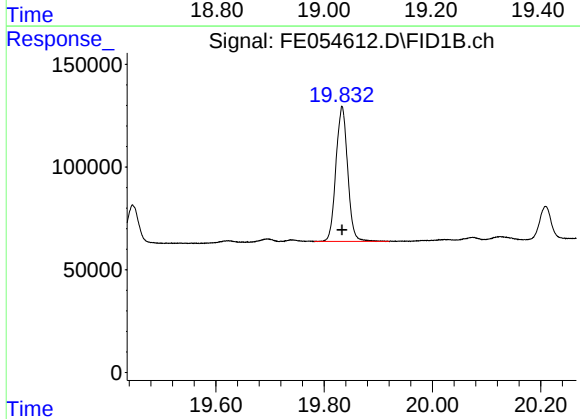
R.T.: 18.216 min
Delta R.T.: 0.000 min
Response: 953767
Conc: 6.05 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



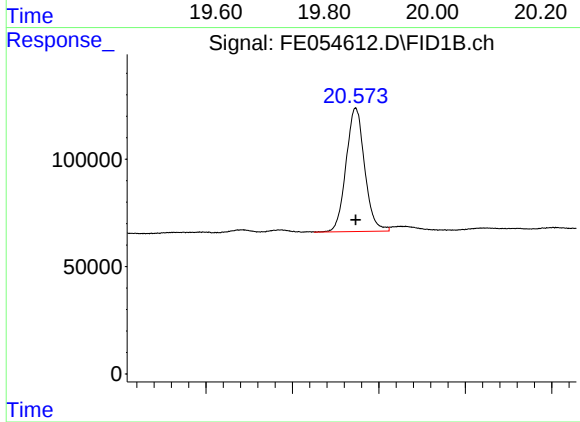
#18 n-Dotriacontane (C32)

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



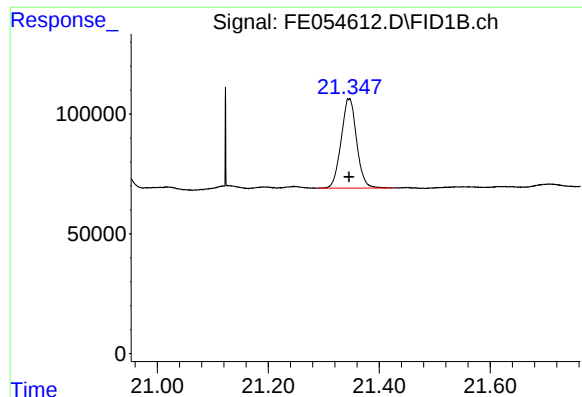
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

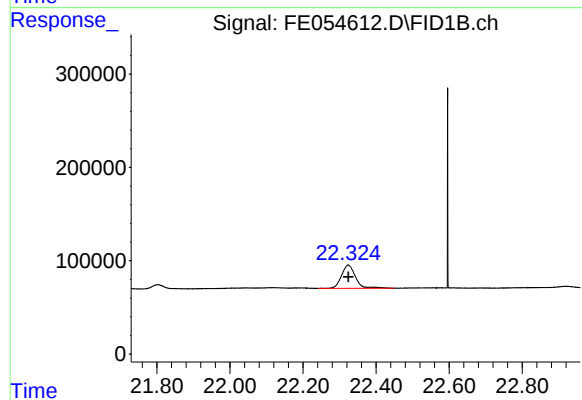
R.T.: 20.573 min
Delta R.T.: 0.000 min
Response: 858425
Conc: 6.38 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1B.ch

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

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

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

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

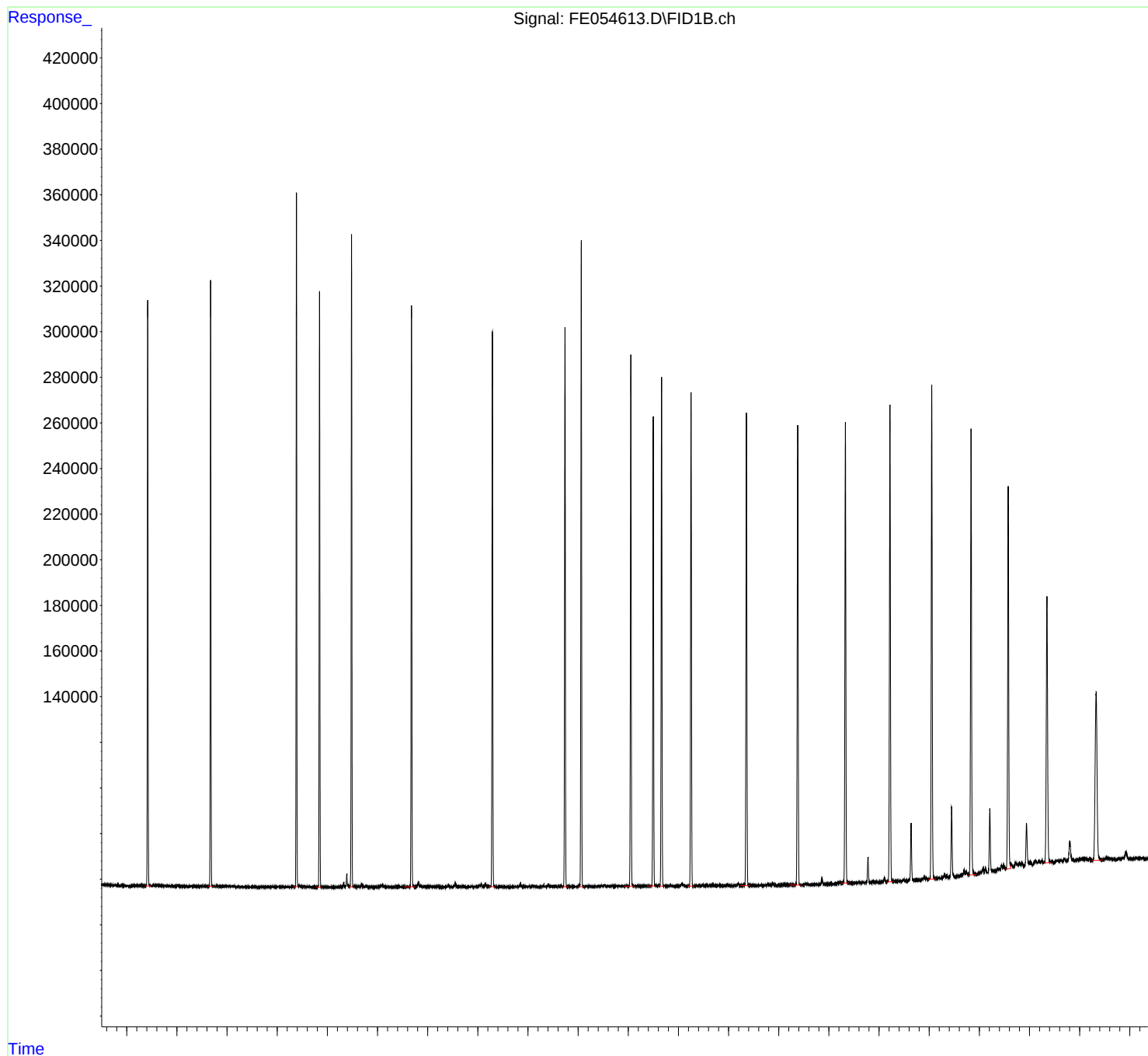
(m)=manual int.

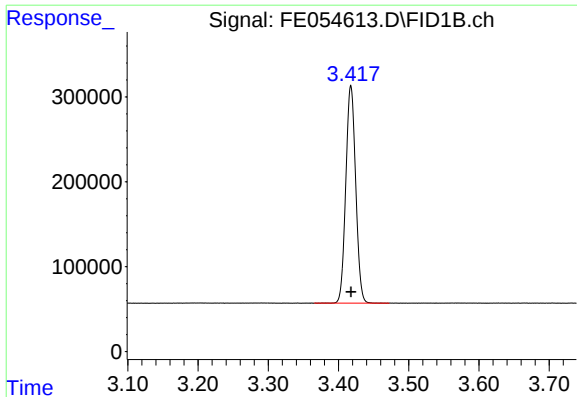
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054613.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 15:24
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

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

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

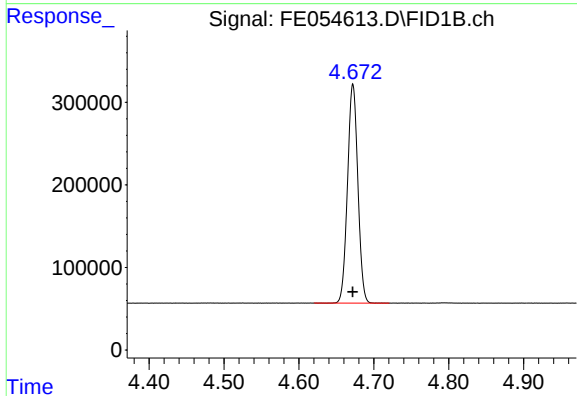




#1 n-Nonane (C9)

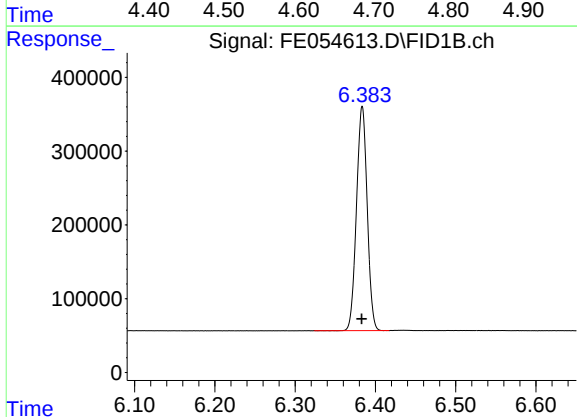
R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 2502645
Conc: 18.61 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



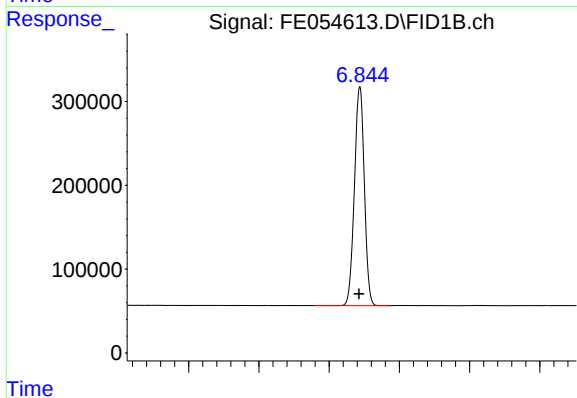
#2 n-Decane (C10)

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



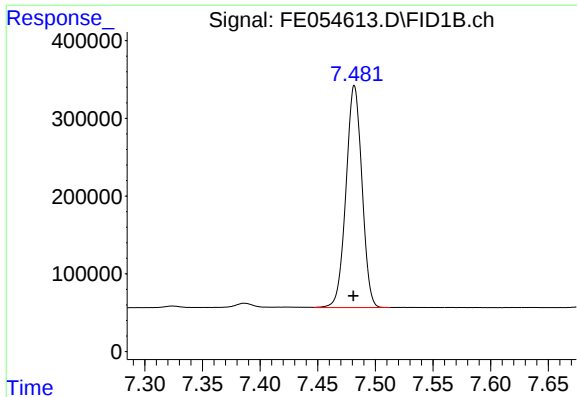
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

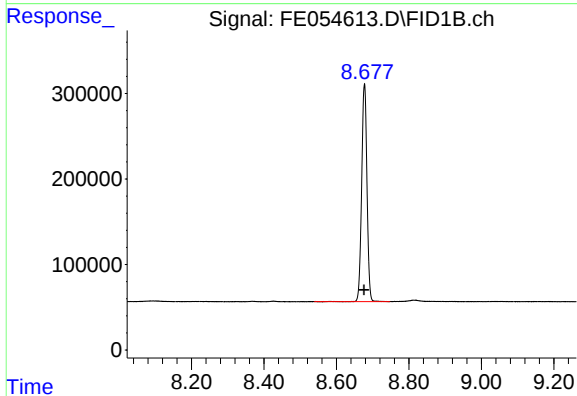
R.T.: 6.844 min
Delta R.T.: 0.001 min
Response: 2560893
Conc: 18.66 ug/ml



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

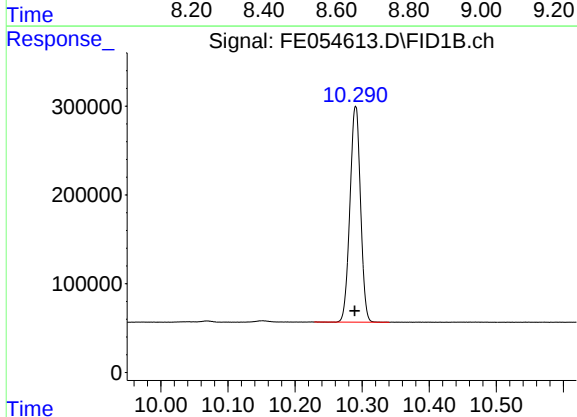
R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 2750056
Conc: 18.71 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



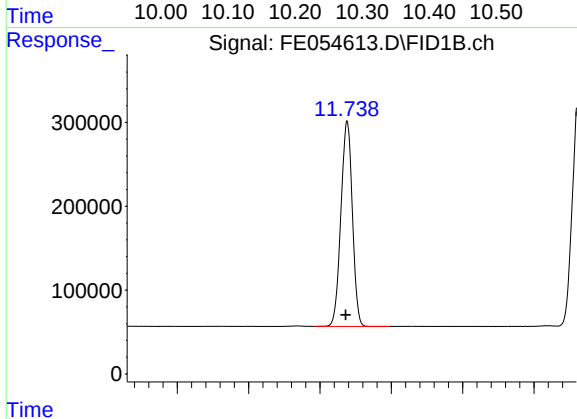
#6 n-Tetradecane (C14)

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



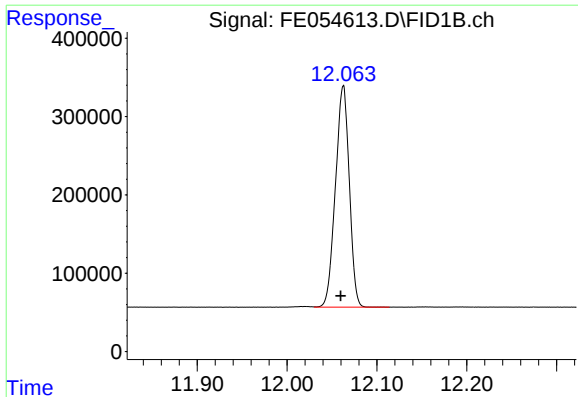
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

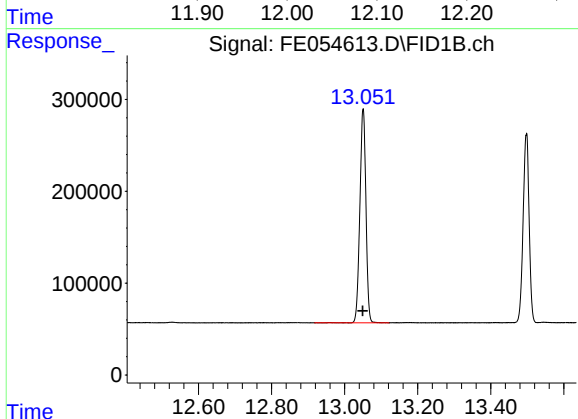
R.T.: 11.738 min
Delta R.T.: 0.002 min
Response: 2731350
Conc: 18.64 ug/ml



#9 ortho-Terphenyl (SURR)

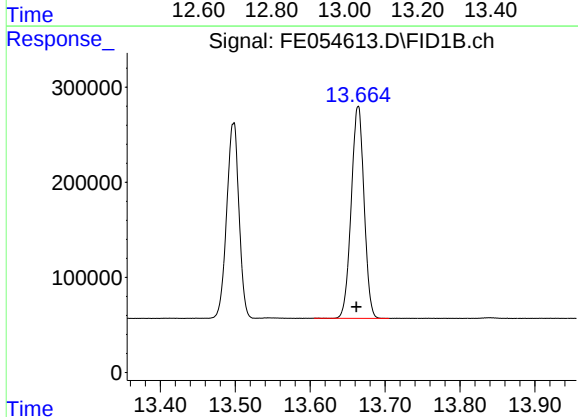
R.T.: 12.062 min
Delta R.T.: 0.003 min
Response: 3028688
Conc: 18.65 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



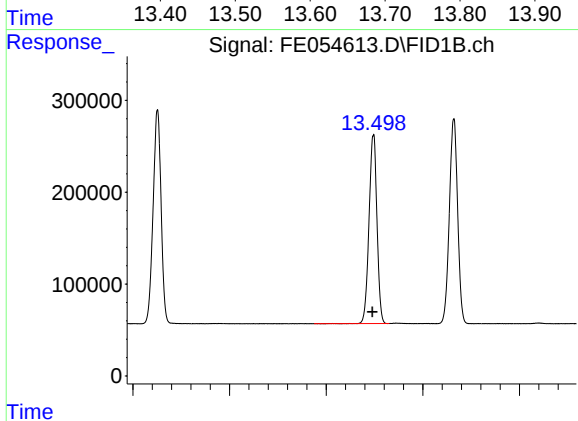
#10 n-Eicosane (C20)

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



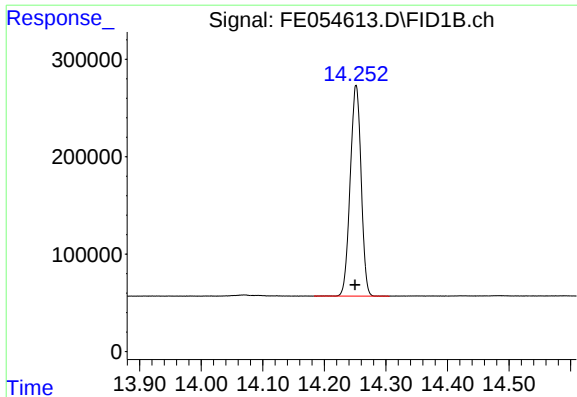
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

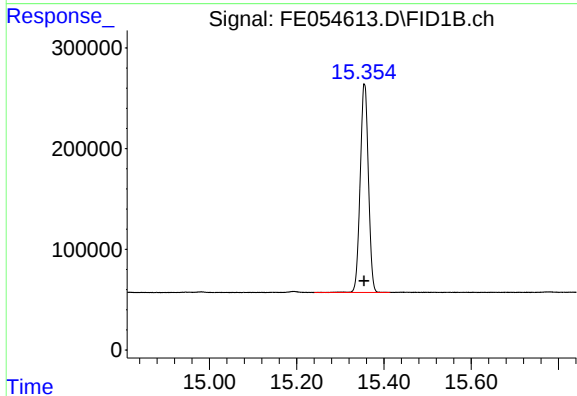
R.T.: 13.498 min
Delta R.T.: 0.002 min
Response: 2342450
Conc: 18.55 ug/ml



#13 n-Docosane (C22)

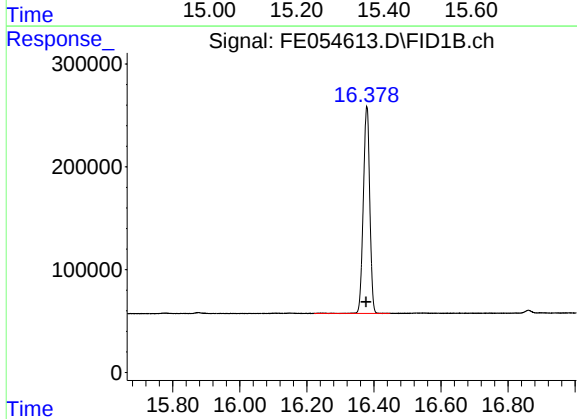
R.T.: 14.252 min
Delta R.T.: 0.002 min
Response: 2663243
Conc: 18.65 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



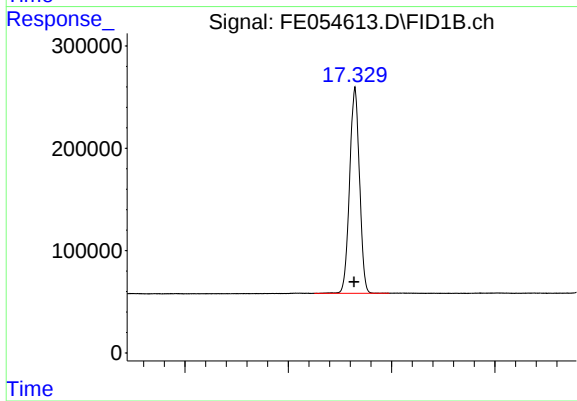
#14 n-Tetracosane (C24)

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



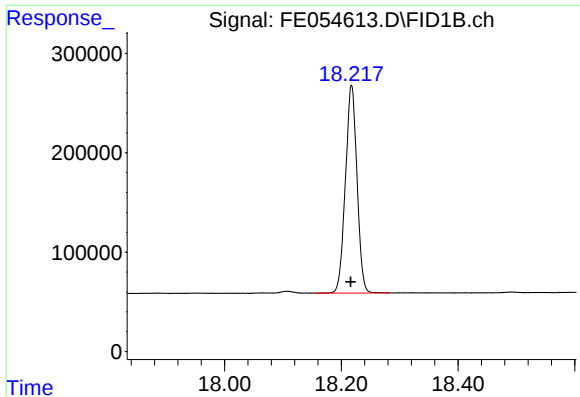
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

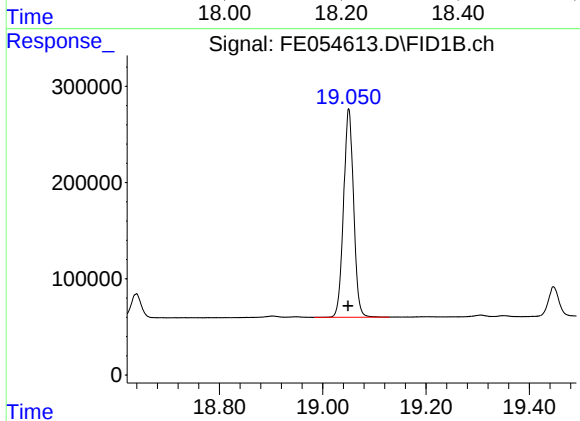
R.T.: 17.329 min
Delta R.T.: 0.002 min
Response: 2682634
Conc: 18.41 ug/ml



#17 n-Tricontane (C30)

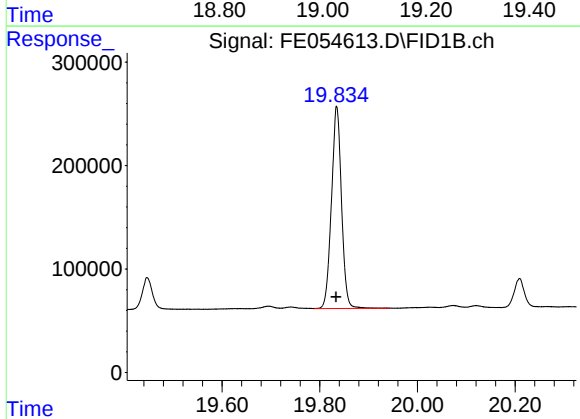
R.T.: 18.218 min
Delta R.T.: 0.002 min
Response: 2884214
Conc: 18.30 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



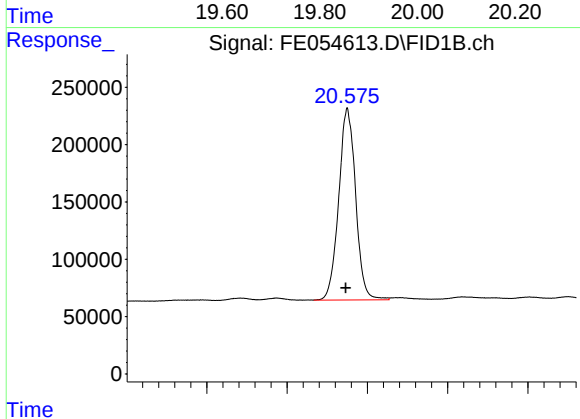
#18 n-Dotriacontane (C32)

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



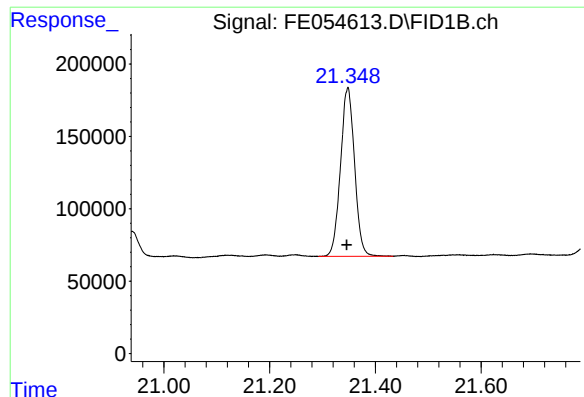
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

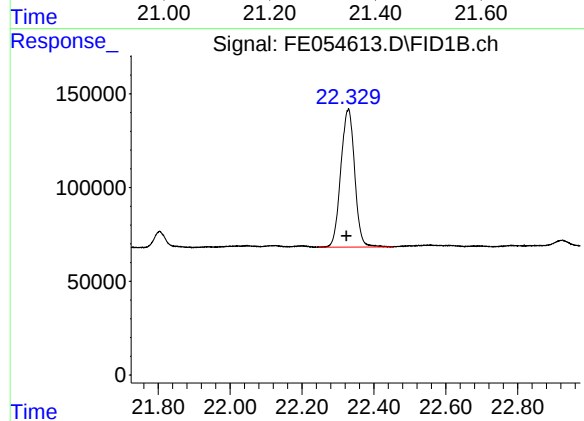
R.T.: 20.575 min
Delta R.T.: 0.002 min
Response: 2448198
Conc: 18.21 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1B.ch

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

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

Continuing Calibration Report for SequenceID : FC070725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC069375.D

Aliphatic C9-C12	8408520.000	60.000	3.302	6.602	140142.000	146679.627	4.457
Aliphatic C12-C16	5794746.000	40.000	6.603	10.006	144868.650	159210.532	9.008
Aliphatic C16-C21	8151741.000	60.000	10.007	13.376	135862.350	154434.323	12.026
Aliphatic C21-C28	9574432.000	80.000	13.377	17.041	119680.400	133966.368	10.664
Aliphatic C28-C40	10859754.000	120.000	17.042	22.022	90497.950	92124.417	1.766
Aliphatic EPH	42789193.000	360.000	3.302	22.022	118858.869	128354.160	7.398

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	07 Jul 2025 10:35
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069375.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.302	6.602	8408520.000	60.000	ug/ml
Aliphatic C12-C16	6.603	10.006	5794746.000	40.000	ug/ml
Aliphatic C16-C21	10.007	13.376	8151741.000	60.000	ug/ml
Aliphatic C21-C28	13.377	17.041	9574432.000	80.000	ug/ml
Aliphatic C28-C40	17.042	22.022	10859754.000	120.000	ug/ml
Aliphatic EPH	3.302	22.022	42789193.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070725AL\
 Data File : FC069375.D
 Signal(s) : FID1A.ch
 Acq On : 07 Jul 2025 10:35
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

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

Integration File: autoint1.e
 Quant Time: Jul 08 01:26:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.673	3009845	17.422 ug/ml
Spiked Amount 50.000		Recovery =	34.84%
12) S 1-chlorooctadecane (S...	13.109	2246511	17.196 ug/ml
Spiked Amount 50.000		Recovery =	34.39%
Target Compounds			
1) T n-Nonane (C9)	3.402	2715927	19.097 ug/ml
2) T n-Decane (C10)	4.476	2819265	19.258 ug/ml
3) T A~Naphthalene (C11.7)	6.072	3093538	19.227 ug/ml
4) T n-Dodecane (C12)	6.502	2873328	18.975 ug/ml
5) T A~2-methylnaphthalene...	7.132	2980839	18.836 ug/ml
6) T n-Tetradecane (C14)	8.301	2867816	18.501 ug/ml
7) T n-Hexadecane (C16)	9.906	2926930	17.911 ug/ml
8) T n-Octadecane (C18)	11.351	2880786	17.644 ug/ml
10) T n-Eicosane (C20)	12.662	2680957	17.564 ug/ml
11) T n-Heneicosane (C21)	13.276	2589998	17.572 ug/ml
13) T n-Docosane (C22)	13.864	2541491	17.664 ug/ml
14) T n-Tetracosane (C24)	14.968	2455938	17.806 ug/ml
15) T n-Hexacosane (C26)	15.991	2332468	17.843 ug/ml
16) T n-Octacosane (C28)	16.941	2244535	18.200 ug/ml
17) T n-Tricontane (C30)	17.832	2255851	18.975 ug/ml
18) T n-Dotriacontane (C32)	18.664	2150891	19.672 ug/ml
19) T n-Tetratriacontane (C34)	19.449	1919879	19.881 ug/ml
20) T n-Hexatriacontane (C36)	20.190	1649818	20.019 ug/ml
21) T n-Octatriacontane (C38)	20.957	1494946	20.004 ug/ml
22) T n-Tetracontane (C40)	21.922	1388369	19.605 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070725AL\
Data File : FC069375.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 10:35
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

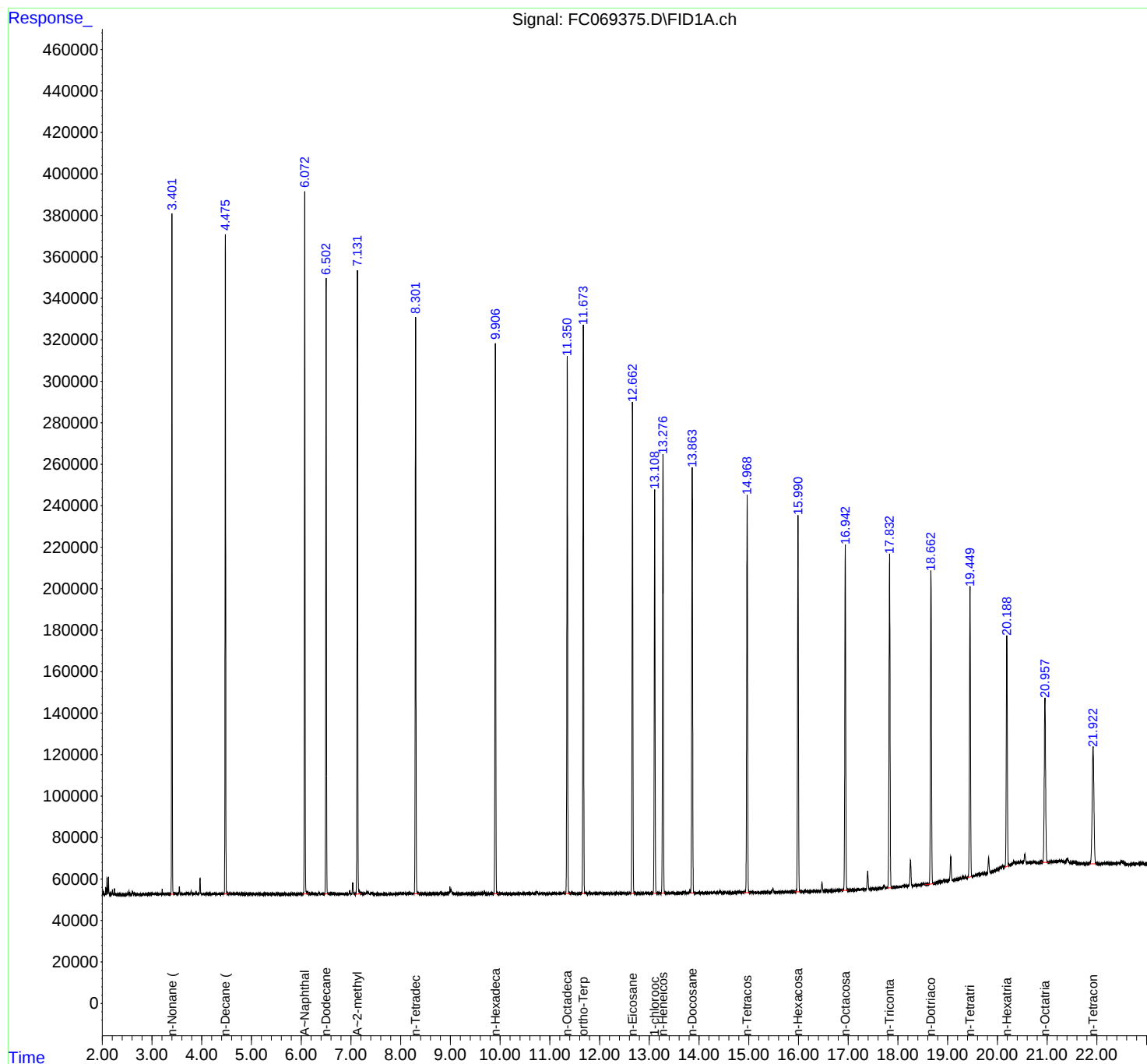
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

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

Integration File: autoint1.e
Quant Time: Jul 08 01:26:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD
Area Percent Report

Manual IntegrationsAPPROVED

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC07072
Data File : FC069375.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 10:35
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.402	3.367	3.449	BB	328227	2715927	87.79%	5.026%
2	4.476	4.444	4.532	BB	317642	2819265	91.13%	5.217%
3	6.072	6.034	6.144	BB	338789	3093538	100.00%	5.725%
4	6.502	6.465	6.540	BB	296958	2873328	92.88%	5.317%
5	7.132	7.084	7.212	BB	301216	2980839	96.36%	5.516%
6	8.301	8.265	8.372	BB	277924	2867816	92.70%	5.307%
7	9.906	9.862	9.972	BB	264834	2926930	94.61%	5.416%
8	11.351	11.310	11.412	BB	258381	2880786	93.12%	5.331%
9	11.673	11.637	11.722	BB	274404	3009845	97.29%	5.570%
10	12.662	12.622	12.707	BB	236096	2680957	86.66%	4.961%
11	13.109	13.070	13.149	BB	194810	2246511	72.62%	4.157%
12	13.276	13.237	13.315	BB	211361	2589998	83.72%	4.793%
13	13.864	13.830	13.912	VB	204960	2541491	82.15%	4.703%
14	14.968	14.889	15.025	BB	190609	2455938	79.39%	4.545%
15	15.991	15.925	16.037	BB	181178	2332468	75.40%	4.316%
16	16.941	16.865	16.995	BB	167437	2244535	72.56%	4.154%
17	17.832	17.780	17.874	BB	161071	2255851	72.92%	4.174%
18	18.664	18.540	18.714	PB	148636	2150891	69.53%	3.980%
19	19.449	19.400	19.487	BB	139464	1919879	62.06%	3.553%
20	20.190	20.140	20.229	BB	109500	1649818	53.33%	3.053%
21	20.957	20.875	21.027	BB	79298	1494946	48.32%	2.766%
22	21.923	21.880	22.012	BB	54865	1307703	42.27%	2.420%
Sum of corrected areas:						54039260		

Aliphatic EPH 061825.M Tue Jul 08 01:50:59 2025

Continuing Calibration Report for SequenceID : FC070725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC069385.D

Aliphatic C9-C12	8356333.000	60.000	3.302	6.602	139272.217	146679.627	5.050
Aliphatic C12-C16	5755442.000	40.000	6.603	10.006	143886.050	159210.532	9.625
Aliphatic C16-C21	8081610.000	60.000	10.007	13.376	134693.500	154434.323	12.783
Aliphatic C21-C28	9567952.000	80.000	13.377	17.041	119599.400	133966.368	10.724
Aliphatic C28-C40	11143762.000	120.000	17.042	22.022	92864.683	92124.417	-0.804
Aliphatic EPH	42905099.000	360.000	3.302	22.022	119180.831	128354.160	7.147

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	07 Jul 2025 19:23
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069385.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.302	6.602	8356333.000	60.000	ug/ml
Aliphatic C12-C16	6.603	10.006	5755442.000	40.000	ug/ml
Aliphatic C16-C21	10.007	13.376	8081610.000	60.000	ug/ml
Aliphatic C21-C28	13.377	17.041	9567952.000	80.000	ug/ml
Aliphatic C28-C40	17.042	22.022	11143762.000	120.000	ug/ml
Aliphatic EPH	3.302	22.022	42905099.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070725AL\
 Data File : FC069385.D
 Signal(s) : FID1A.ch
 Acq On : 07 Jul 2025 19:23
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

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

Integration File: autoint1.e
 Quant Time: Jul 08 01:28:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.673	2978825	17.243 ug/ml
Spiked Amount 50.000		Recovery =	34.49%
12) S 1-chlorooctadecane (S...	13.109	2252995	17.246 ug/ml
Spiked Amount 50.000		Recovery =	34.49%
Target Compounds			
1) T n-Nonane (C9)	3.403	2700393	18.988 ug/ml
2) T n-Decane (C10)	4.477	2802312	19.142 ug/ml
3) T A~Naphthalene (C11.7)	6.073	3074912	19.111 ug/ml
4) T n-Dodecane (C12)	6.503	2853628	18.845 ug/ml
5) T A~2-methylnaphthalene...	7.132	2964887	18.736 ug/ml
6) T n-Tetradecane (C14)	8.302	2849564	18.384 ug/ml
7) T n-Hexadecane (C16)	9.906	2905878	17.782 ug/ml
8) T n-Octadecane (C18)	11.352	2850258	17.457 ug/ml
10) T n-Eicosane (C20)	12.663	2658880	17.419 ug/ml
11) T n-Heneicosane (C21)	13.276	2572472	17.453 ug/ml
13) T n-Docosane (C22)	13.863	2525371	17.552 ug/ml
14) T n-Tetracosane (C24)	14.968	2451677	17.775 ug/ml
15) T n-Hexacosane (C26)	15.990	2334245	17.856 ug/ml
16) T n-Octacosane (C28)	16.941	2256659	18.298 ug/ml
17) T n-Tricontane (C30)	17.830	2280037	19.179 ug/ml
18) T n-Dotriacontane (C32)	18.663	2183608	19.971 ug/ml
19) T n-Tetratriacontane (C34)	19.448	1964752	20.346 ug/ml
20) T n-Hexatriacontane (C36)	20.190	1696212	20.582 ug/ml
21) T n-Octatriacontane (C38)	20.958	1545007	20.674 ug/ml
22) T n-Tetracontane (C40)	21.919	1474146	20.817 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070725AL\
Data File : FC069385.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 19:23
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

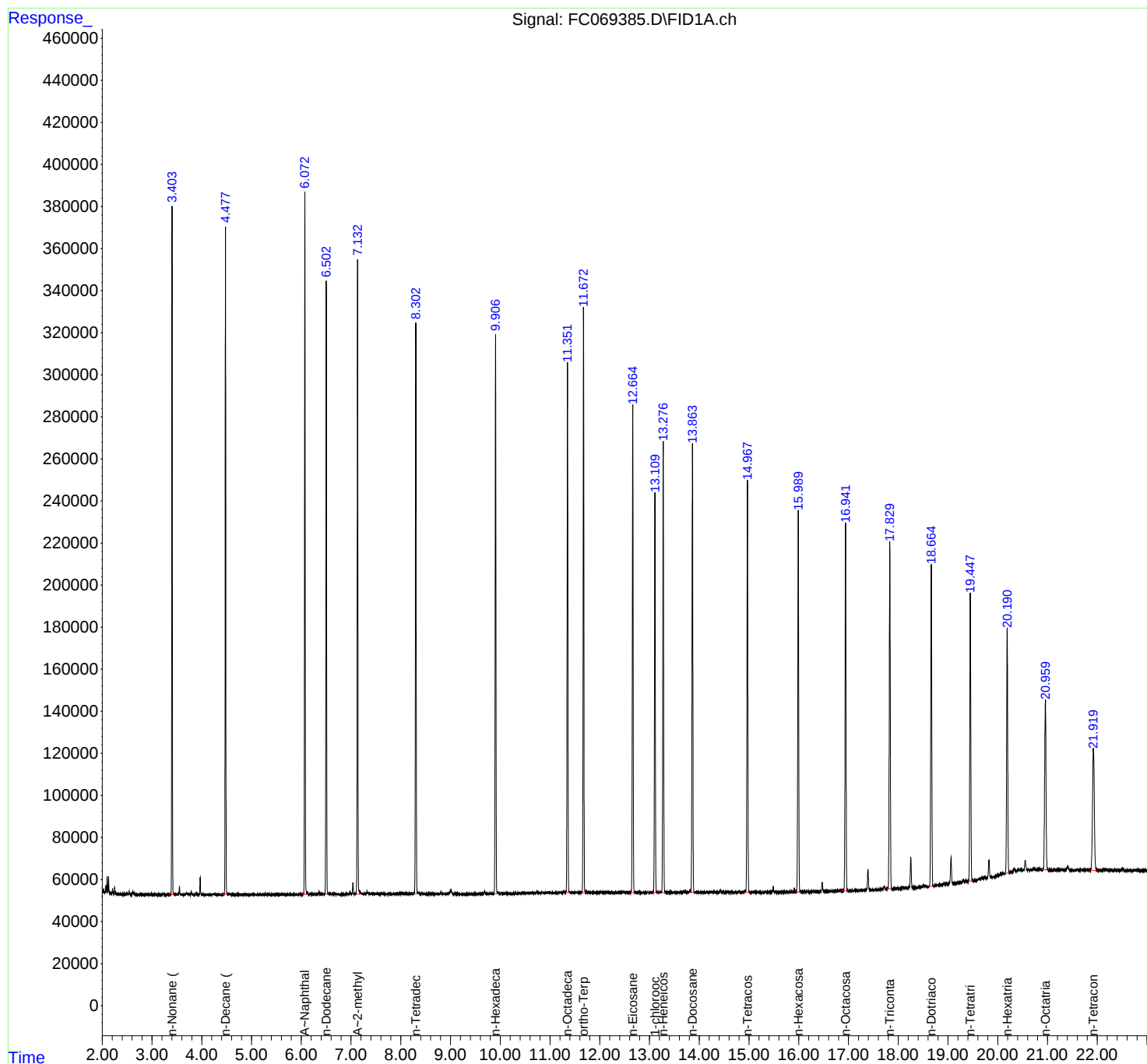
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

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

Integration File: autoint1.e
Quant Time: Jul 08 01:28:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD
Area Percent Report

Manual IntegrationsAPPROVED

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC07072
Data File : FC069385.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 19:23
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.403	3.347	3.453	BB	327267	2700393	87.82%	4.993%
2	4.477	4.418	4.528	BB	317278	2802312	91.13%	5.182%
3	6.073	6.010	6.145	BB	332766	3074912	100.00%	5.686%
4	6.503	6.448	6.540	BB	289748	2853628	92.80%	5.276%
5	7.132	7.083	7.217	BB	302157	2964887	96.42%	5.482%
6	8.302	8.235	8.372	BB	270954	2849564	92.67%	5.269%
7	9.906	9.865	9.978	BB	265646	2905878	94.50%	5.373%
8	11.352	11.312	11.408	BB	252058	2850258	92.69%	5.270%
9	11.673	11.630	11.722	BB	275611	2978825	96.88%	5.508%
10	12.663	12.623	12.708	BB	231946	2658880	86.47%	4.916%
11	13.109	13.072	13.152	BB	189256	2252995	73.27%	4.166%
12	13.276	13.235	13.327	BB	214780	2572472	83.66%	4.757%
13	13.863	13.828	13.905	VB	213510	2525371	82.13%	4.670%
14	14.968	14.893	15.010	BB	196470	2451677	79.73%	4.533%
15	15.990	15.930	16.043	BB	181671	2334245	75.91%	4.316%
16	16.941	16.870	17.000	BB	175638	2256659	73.39%	4.173%
17	17.830	17.780	17.870	BB	164785	2280037	74.15%	4.216%
18	18.663	18.590	18.717	BB	152214	2183608	71.01%	4.038%
19	19.448	19.400	19.493	BB	136109	1964752	63.90%	3.633%
20	20.190	20.140	20.227	BB	116449	1696212	55.16%	3.136%
21	20.958	20.882	21.023	BB	79667	1545007	50.25%	2.857%
22	21.922	21.880	21.992	BB	56427	1379335	44.86%	2.550%
Sum of corrected areas:						54081905		

Aliphatic EPH 061825.M Tue Jul 08 02:01:59 2025

Continuing Calibration Report for SequenceID : FE070725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE054704.D

Aliphatic C9-C12	8370943.000	60.000	3.322	6.953	139515.717	136055.079	-2.544
Aliphatic C12-C16	5771729.000	40.000	6.954	10.404	144293.225	140568.128	-2.650
Aliphatic C16-C21	8399108.000	60.000	10.405	13.782	139985.133	144393.643	3.053
Aliphatic C21-C28	11772203.000	80.000	13.783	17.452	147152.538	144651.717	-1.729
Aliphatic C28-C40	15996736.000	120.000	17.453	22.469	133306.133	138647.492	3.852
Aliphatic EPH	50310719.000	360.000	3.322	22.469	139751.997	140720.791	0.688

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	07 Jul 2025 13:58
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054704.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.322	6.953	8370943.000	60.000	ug/ml
Aliphatic C12-C16	6.954	10.404	5771729.000	40.000	ug/ml
Aliphatic C16-C21	10.405	13.782	8399108.000	60.000	ug/ml
Aliphatic C21-C28	13.783	17.452	11772203.000	80.000	ug/ml
Aliphatic C28-C40	17.453	22.469	15996736.000	120.000	ug/ml
Aliphatic EPH	3.322	22.469	50310719.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
 Data File : FE054704.D
 Signal(s) : FID1B.ch
 Acq On : 07 Jul 2025 13:58
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

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

Integration File: sample.E
 Quant Time: Jul 08 03:30:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.079	3119629	19.210 ug/ml
Spiked Amount 50.000		Recovery =	38.42%
12) S 1-chlorooctadecane (S...	13.516	2376877	18.820 ug/ml
Spiked Amount 50.000		Recovery =	37.64%
Target Compounds			
1) T n-Nonane (C9)	3.421	2710570	20.152 ug/ml
2) T n-Decane (C10)	4.678	2807170	20.573 ug/ml
3) T A~Naphthalene (C11.7)	6.395	3095904	20.447 ug/ml
4) T n-Dodecane (C12)	6.853	2853203	20.795 ug/ml
5) T A~2-methylnaphthalene...	7.496	3004462	20.438 ug/ml
6) T n-Tetradecane (C14)	8.690	2861351	20.641 ug/ml
7) T n-Hexadecane (C16)	10.305	2910378	20.422 ug/ml
8) T n-Octadecane (C18)	11.754	2908655	19.847 ug/ml
10) T n-Eicosane (C20)	13.068	2793536	19.427 ug/ml
11) T n-Heneicosane (C21)	13.682	2696917	18.882 ug/ml
13) T n-Docosane (C22)	14.270	2782788	19.489 ug/ml
14) T n-Tetracosane (C24)	15.376	2913453	20.042 ug/mlm
15) T n-Hexacosane (C26)	16.400	2989358	20.657 ug/ml
16) T n-Octacosane (C28)	17.352	3086604	21.179 ug/ml
17) T n-Tricontane (C30)	18.241	3251436	20.633 ug/ml
18) T n-Dotriacontane (C32)	19.076	3086003	19.075 ug/ml
19) T n-Tetratriacontane (C34)	19.859	2713915	17.809 ug/ml
20) T n-Hexatriacontane (C36)	20.600	2448980	18.214 ug/mlm
21) T n-Octatriacontane (C38)	21.381	2317838	19.763 ug/mlm
22) T n-Tetracontane (C40)	22.372	2178564	20.100 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054704.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 13:58
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

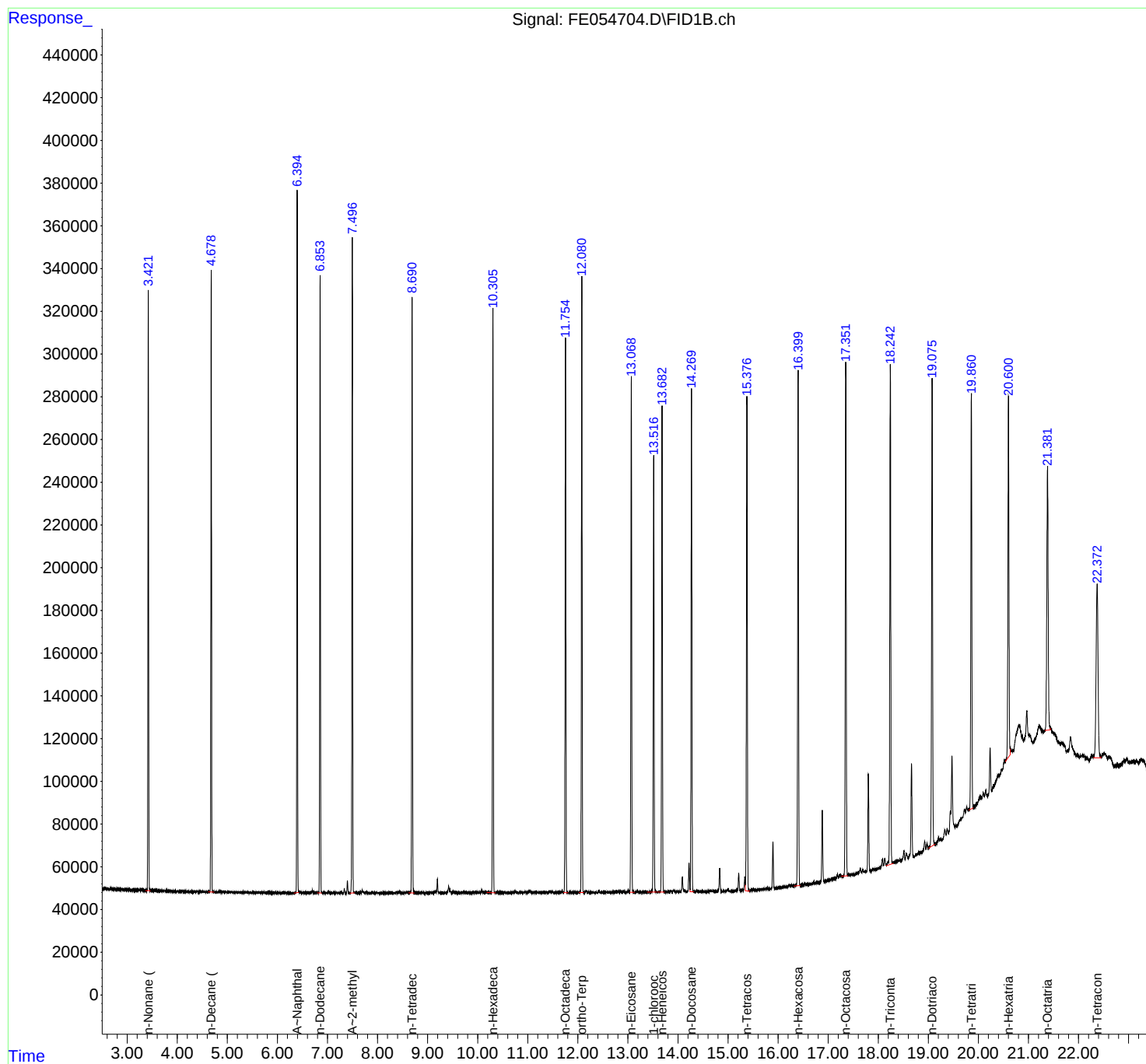
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

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

Integration File: sample.E
Quant Time: Jul 08 03:30:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



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Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD
Area Percent Report

Manual IntegrationsAPPROVED

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE07072
Data File : FE054704.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 13:58
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.421	3.369	3.464	BB	281343	2710570	83.37%	4.265%
2	4.678	4.620	4.737	BB	291374	2807170	86.34%	4.417%
3	6.395	6.332	6.432	BV	328393	3095904	95.22%	4.871%
4	6.853	6.799	6.887	BB	289131	2853203	87.75%	4.489%
5	7.496	7.449	7.545	BB	307288	3004462	92.40%	4.727%
6	8.690	8.620	8.732	BB	279430	2861351	88.00%	4.502%
7	10.305	10.182	10.357	BB	274295	2910378	89.51%	4.579%
8	11.754	11.717	11.804	BB	259061	2908655	89.46%	4.576%
9	12.079	12.020	12.124	BB	287238	3119629	95.95%	4.908%
10	13.068	13.032	13.137	PB	240095	2793536	85.92%	4.395%
11	13.516	13.389	13.572	BB	204608	2376877	73.10%	3.740%
12	13.682	13.587	13.739	BB	227814	2696917	82.95%	4.243%
13	14.270	14.240	14.317	VB	232522	2782788	85.59%	4.378%
14	15.377	15.347	15.432	VB	230500	2908610	89.46%	4.576%
15	16.400	16.319	16.447	BB	238044	2989358	91.94%	4.703%
16	17.352	17.262	17.387	BV	238584	3086604	94.93%	4.856%
17	18.241	18.160	18.297	VV	234636	3251436	100.00%	5.116%
18	19.076	19.002	19.132	PV	217672	3086003	94.91%	4.855%
19	19.859	19.814	19.896	BV	193177	2713915	83.47%	4.270%
20	20.601	20.320	20.660	BV	173001	3072950	94.51%	4.835%
21	21.381	21.314	21.499	VV	130345	3145301	96.74%	4.949%
22	22.371	22.307	22.460	VV	83665	2382628	73.28%	3.749%
Sum of corrected areas:						63558245		

Aliphatic EPH 062725.M Tue Jul 08 04:55:58 2025

Continuing Calibration Report for SequenceID : FE070725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE054714.D

Aliphatic C9-C12	7981359.000	60.000	3.322	6.953	133022.650	136055.079	2.229
Aliphatic C12-C16	5466819.000	40.000	6.954	10.404	136670.475	140568.128	2.773
Aliphatic C16-C21	7910196.000	60.000	10.405	13.782	131836.600	144393.643	8.696
Aliphatic C21-C28	9839779.000	80.000	13.783	17.452	122997.238	144651.717	14.970
Aliphatic C28-C40	14156555.000	120.000	17.453	22.469	117971.292	138647.492	14.913
Aliphatic EPH	45354708.000	360.000	3.322	22.469	125985.300	140720.791	10.471

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	07 Jul 2025 20:35
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054714.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

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

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

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

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

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

(m)=manual int.

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

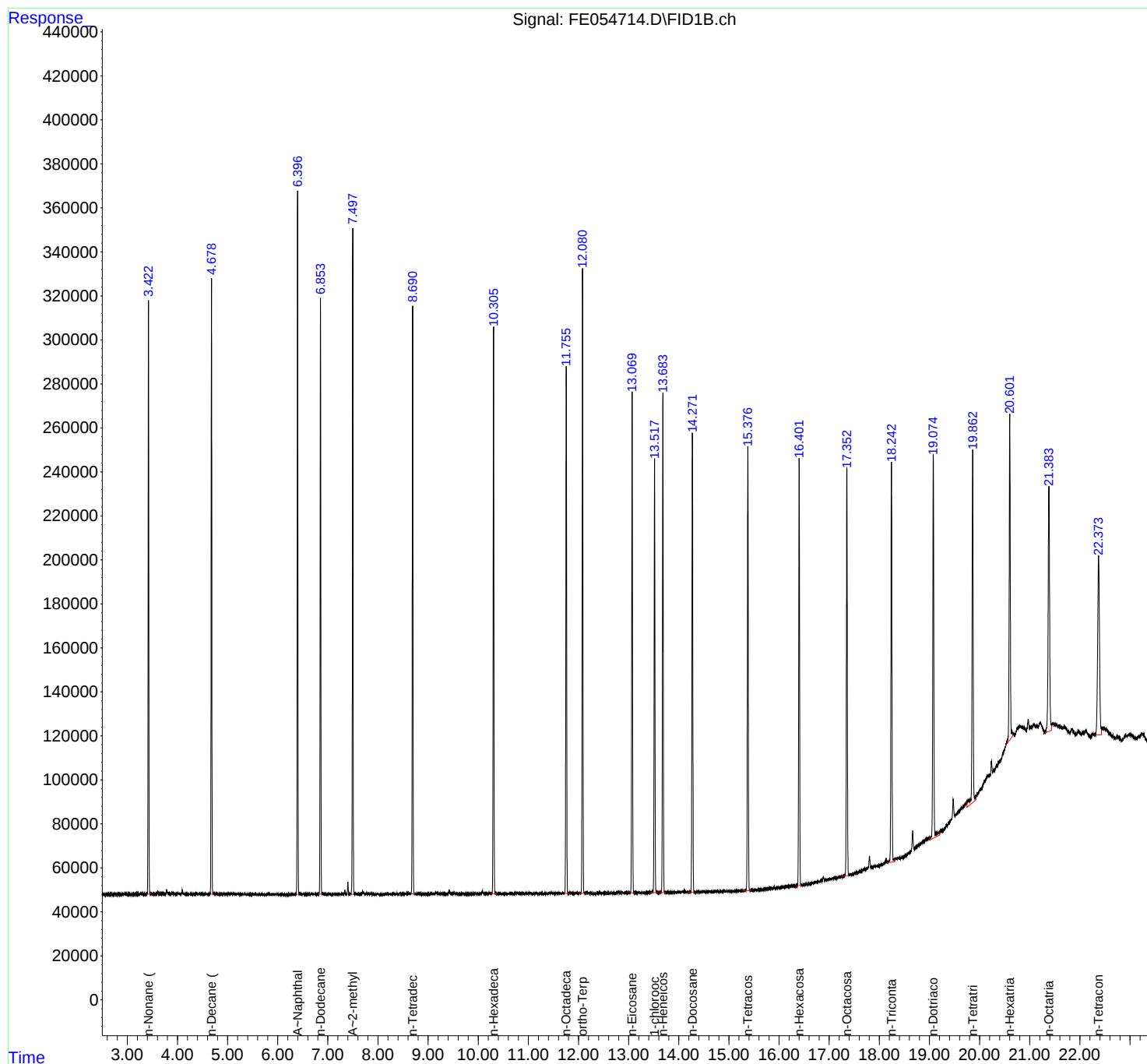
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

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

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

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



rteres

Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD
Area Percent Report

Manual IntegrationsAPPROVED

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

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

Integration File: autoint1.e

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

Signal : FID1B.ch

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

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

Continuing Calibration Report for SequenceID : FE070825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE054727.D

Aliphatic C9-C12	8667506.000	60.000	3.323	6.956	144458.433	136055.079	-6.176
Aliphatic C12-C16	6020302.000	40.000	6.957	10.409	150507.550	140568.128	-7.071
Aliphatic C16-C21	8748005.000	60.000	10.410	13.786	145800.083	144393.643	-0.974
Aliphatic C21-C28	12264455.000	80.000	13.787	17.458	153305.688	144651.717	-5.983
Aliphatic C28-C40	17283781.000	120.000	17.459	22.482	144031.508	138647.492	-3.883
Aliphatic EPH	52984049.000	360.000	3.323	22.482	147177.914	140720.791	-4.589

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	08 Jul 2025 07:03
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054727.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.323	6.956	8667506.000	60.000	ug/ml
Aliphatic C12-C16	6.957	10.409	6020302.000	40.000	ug/ml
Aliphatic C16-C21	10.410	13.786	8748005.000	60.000	ug/ml
Aliphatic C21-C28	13.787	17.458	12264455.000	80.000	ug/ml
Aliphatic C28-C40	17.459	22.482	17283781.000	120.000	ug/ml
Aliphatic EPH	3.323	22.482	52984049.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
 Data File : FE054727.D
 Signal(s) : FID1B.ch
 Acq On : 08 Jul 2025 07:03
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Jul 08 12:34:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 08 07:45:12 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	3244201	19.977 ug/ml
Spiked Amount 50.000		Recovery =	39.95%
12) S 1-chlorooctadecane (S...	13.520	2477197	19.615 ug/ml
Spiked Amount 50.000		Recovery =	39.23%
Target Compounds			
1) T n-Nonane (C9)	3.423	2795632	20.784 ug/ml
2) T n-Decane (C10)	4.680	2904721	21.288 ug/ml
3) T A~Naphthalene (C11.7)	6.399	3237311	21.381 ug/ml
4) T n-Dodecane (C12)	6.856	2967153	21.625 ug/ml
5) T A~2-methylnaphthalene...	7.501	3145906	21.400 ug/ml
6) T n-Tetradecane (C14)	8.693	2976522	21.472 ug/ml
7) T n-Hexadecane (C16)	10.309	3043780	21.358 ug/ml
8) T n-Octadecane (C18)	11.758	3036178	20.717 ug/ml
10) T n-Eicosane (C20)	13.073	2908614	20.228 ug/ml
11) T n-Heneicosane (C21)	13.686	2803213	19.626 ug/ml
13) T n-Docosane (C22)	14.275	2894365	20.270 ug/ml
14) T n-Tetracosane (C24)	15.382	3028792	20.836 ug/ml
15) T n-Hexacosane (C26)	16.405	3123353	21.583 ug/ml
16) T n-Octacosane (C28)	17.358	3217945	22.080 ug/ml
17) T n-Tricontane (C30)	18.247	3360147	21.323 ug/ml
18) T n-Dotriacontane (C32)	19.081	3217741	19.889 ug/ml
19) T n-Tetratriacontane (C34)	19.866	2853705	18.726 ug/ml
20) T n-Hexatriacontane (C36)	20.606	2561366	19.050 ug/ml
21) T n-Octatriacontane (C38)	21.389	2871944	24.487 ug/ml
22) T n-Tetracontane (C40)	22.382	2418878	22.318 ug/ml

(f)=RT Delta > 1/2 Window

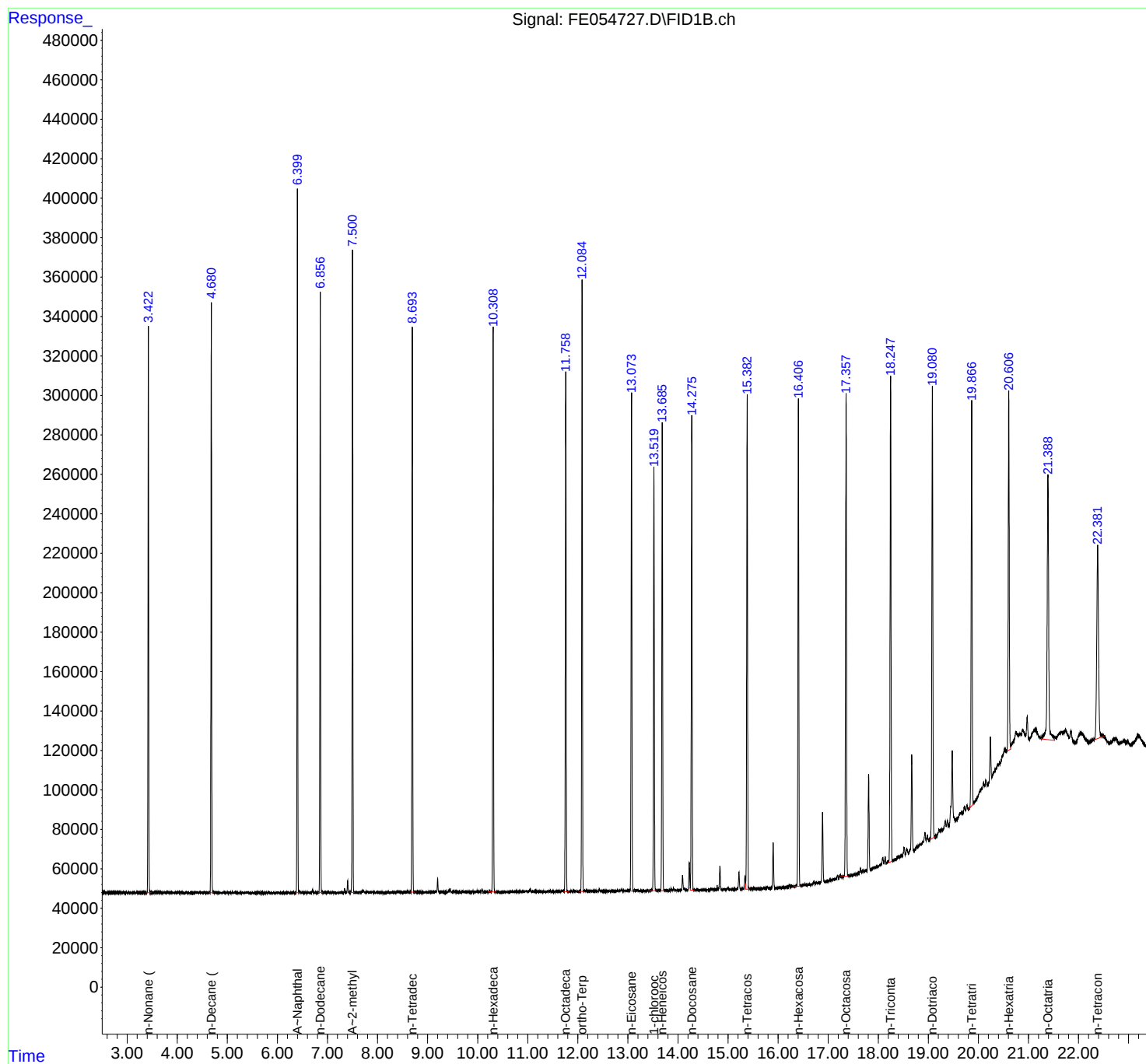
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
Data File : FE054727.D
Signal(s) : FID1B.ch
Acq On : 08 Jul 2025 07:03
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Jul 08 12:34:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Tue Jul 08 07:45:12 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\FE070825AL\
 Data File : FE054727.D
 Signal(s) : FID1B.ch
 Acq On : 08 Jul 2025 07:03
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.423	3.380	3.479	BB	286538	2795632	83.20%	4.295%
2	4.680	4.645	4.722	BB	299379	2904721	86.45%	4.463%
3	6.399	6.364	6.435	BV	356359	3237311	96.34%	4.974%
4	6.856	6.819	6.905	BB	306449	2967153	88.30%	4.559%
5	7.501	7.455	7.537	BB	324835	3145906	93.62%	4.833%
6	8.693	8.659	8.742	BB	285366	2976522	88.58%	4.573%
7	10.309	10.209	10.360	BB	285493	3043780	90.58%	4.676%
8	11.758	11.719	11.810	BB	262842	3036178	90.36%	4.665%
9	12.085	12.024	12.132	BB	310562	3244201	96.55%	4.984%
10	13.073	13.037	13.144	PB	254024	2908614	86.56%	4.469%
11	13.520	13.402	13.577	BB	213739	2477197	73.72%	3.806%
12	13.686	13.654	13.730	PB	234110	2803213	83.43%	4.307%
13	14.275	14.245	14.325	VB	241106	2894365	86.14%	4.447%
14	15.382	15.352	15.427	VB	250354	3028792	90.14%	4.653%
15	16.405	16.312	16.450	BB	246241	3123353	92.95%	4.799%
16	17.358	17.250	17.392	BV	244665	3217945	95.77%	4.944%
17	18.247	18.208	18.285	VV	246393	3360147	100.00%	5.162%
18	19.081	19.025	19.132	BV	228927	3217741	95.76%	4.944%
19	19.866	19.805	19.900	PV	205818	2853705	84.93%	4.384%
20	20.606	20.570	20.645	BV	180556	2561366	76.23%	3.935%
21	21.389	21.259	21.522	VV	133979	2871944	85.47%	4.412%
22	22.382	22.300	22.499	BBA	98022	2418878	71.99%	3.716%
Sum of corrected areas:							65088661	

Aliphatic EPH 062725.M Tue Jul 08 12:36:47 2025

Continuing Calibration Report for SequenceID : FE070825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE054740.D

Aliphatic C9-C12	8494556.000	60.000	3.323	6.956	141575.933	136055.079	-4.058
Aliphatic C12-C16	5894995.000	40.000	6.957	10.409	147374.875	140568.128	-4.842
Aliphatic C16-C21	8539672.000	60.000	10.410	13.786	142327.867	144393.643	1.431
Aliphatic C21-C28	12069329.000	80.000	13.787	17.458	150866.613	144651.717	-4.296
Aliphatic C28-C40	16504903.000	120.000	17.459	22.482	137540.858	138647.492	0.798
Aliphatic EPH	51503455.000	360.000	3.323	22.482	143065.153	140720.791	-1.666

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	08 Jul 2025 14:30
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054740.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.323	6.956	8494556.000	60.000	ug/ml
Aliphatic C12-C16	6.957	10.409	5894995.000	40.000	ug/ml
Aliphatic C16-C21	10.410	13.786	8539672.000	60.000	ug/ml
Aliphatic C21-C28	13.787	17.458	12069329.000	80.000	ug/ml
Aliphatic C28-C40	17.459	22.482	16504903.000	120.000	ug/ml
Aliphatic EPH	3.323	22.482	51503455.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
 Data File : FE054740.D
 Signal(s) : FID1B.ch
 Acq On : 08 Jul 2025 14:30
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Jul 09 06:38:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 08 07:45:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.082	3163856	19.483 ug/ml
Spiked Amount 50.000		Recovery =	38.97%
12) S 1-chlorooctadecane (S...	13.518	2416769	19.136 ug/ml
Spiked Amount 50.000		Recovery =	38.27%
Target Compounds			
1) T n-Nonane (C9)	3.422	2740864	20.377 ug/ml
2) T n-Decane (C10)	4.680	2847305	20.867 ug/ml
3) T A~Naphthalene (C11.7)	6.397	3156948	20.850 ug/ml
4) T n-Dodecane (C12)	6.854	2906387	21.183 ug/ml
5) T A~2-methylnaphthalene...	7.498	3073994	20.911 ug/ml
6) T n-Tetradecane (C14)	8.691	2925868	21.106 ug/ml
7) T n-Hexadecane (C16)	10.306	2969127	20.835 ug/ml
8) T n-Octadecane (C18)	11.755	2961445	20.207 ug/ml
10) T n-Eicosane (C20)	13.070	2838852	19.743 ug/ml
11) T n-Heneicosane (C21)	13.684	2739375	19.179 ug/ml
13) T n-Docosane (C22)	14.272	2834539	19.851 ug/ml
14) T n-Tetracosane (C24)	15.378	2972058	20.446 ug/ml
15) T n-Hexacosane (C26)	16.402	3075218	21.250 ug/ml
16) T n-Octacosane (C28)	17.354	3187514	21.871 ug/ml
17) T n-Tricontane (C30)	18.244	3331120	21.139 ug/ml
18) T n-Dotriacontane (C32)	19.078	3182441	19.671 ug/ml
19) T n-Tetratriacontane (C34)	19.862	2835734	18.608 ug/ml
20) T n-Hexatriacontane (C36)	20.604	2489334	18.514 ug/ml
21) T n-Octatriacontane (C38)	21.385	2382756	20.316 ug/ml
22) T n-Tetracontane (C40)	22.378	2283518	21.069 ug/ml

(f)=RT Delta > 1/2 Window

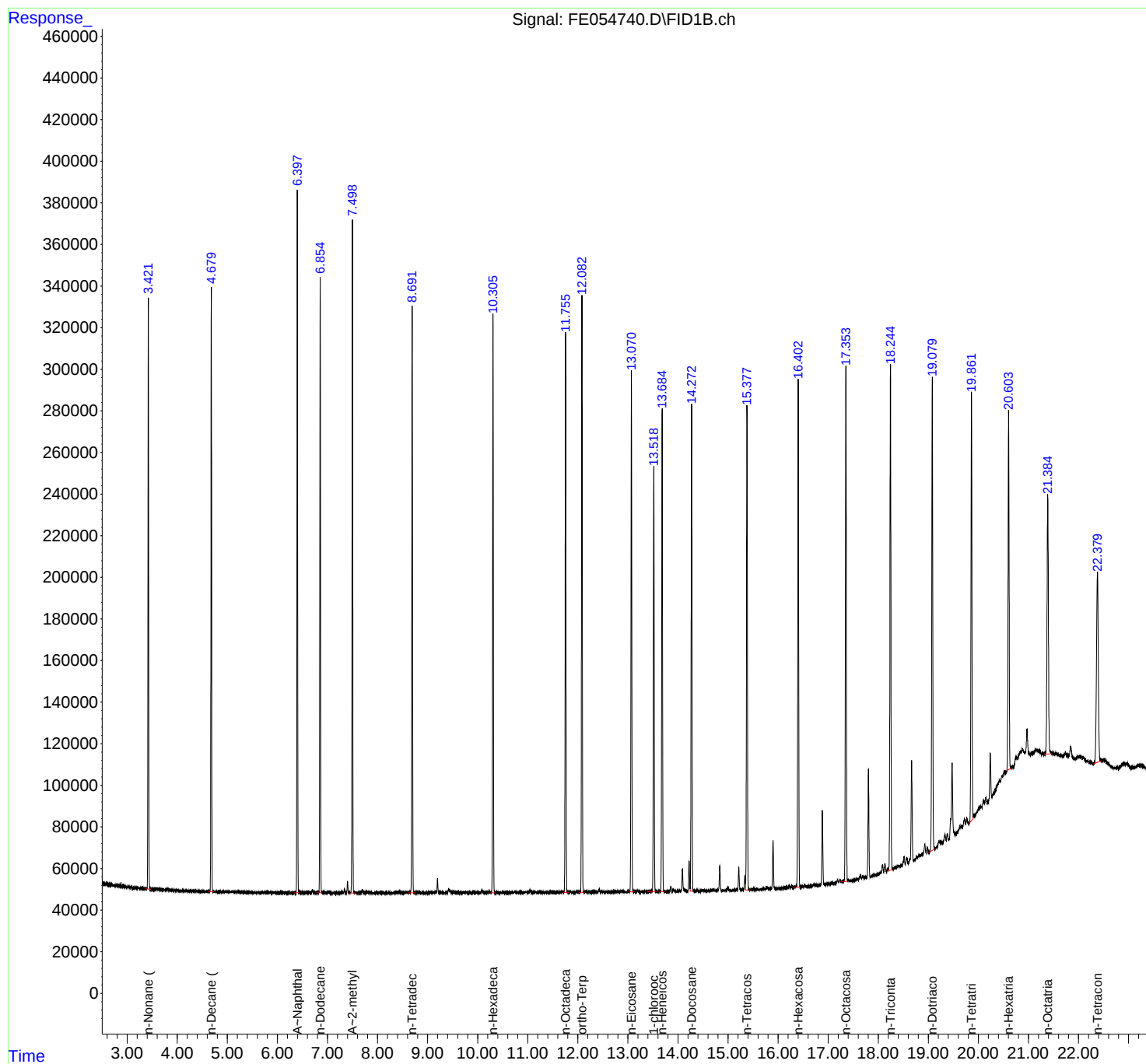
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070825AL\
Data File : FE054740.D
Signal(s) : FID1B.ch
Acq On : 08 Jul 2025 14:30
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Jul 09 06:38:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Tue Jul 08 07:45:12 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\FE070825AL\
 Data File : FE054740.D
 Signal(s) : FID1B.ch
 Acq On : 08 Jul 2025 14:30
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.422	3.369	3.462	BB	283874	2740864	82.28%	4.329%
2	4.680	4.620	4.734	BB	291358	2847305	85.48%	4.497%
3	6.397	6.335	6.434	BV	337221	3156948	94.77%	4.986%
4	6.855	6.799	6.886	BB	295831	2906387	87.25%	4.590%
5	7.498	7.447	7.565	BB	323027	3073994	92.28%	4.855%
6	8.691	8.617	8.752	BB	279249	2925868	87.83%	4.621%
7	10.306	10.264	10.359	BB	275549	2969127	89.13%	4.689%
8	11.755	11.710	11.814	BB	269175	2961445	88.90%	4.677%
9	12.082	12.014	12.134	BV	287236	3163856	94.98%	4.997%
10	13.070	13.030	13.129	VB	250592	2838852	85.22%	4.484%
11	13.518	13.389	13.567	BB	203998	2416769	72.55%	3.817%
12	13.684	13.645	13.737	PB	231227	2739375	82.24%	4.327%
13	14.272	14.242	14.317	VB	234154	2834539	85.09%	4.477%
14	15.378	15.350	15.432	VB	230669	2972058	89.22%	4.694%
15	16.402	16.307	16.440	BB	244283	3075218	92.32%	4.857%
16	17.354	17.262	17.389	BV	247047	3187514	95.69%	5.034%
17	18.244	18.205	18.282	VV	242112	3331120	100.00%	5.261%
18	19.078	19.012	19.129	PV	225948	3182441	95.54%	5.026%
19	19.862	19.811	19.897	PV	205764	2835734	85.13%	4.479%
20	20.604	20.570	20.642	BV	172598	2489334	74.73%	3.932%
21	21.385	21.314	21.470	BV	123635	2382756	71.53%	3.763%
22	22.378	22.300	22.460	BV	91688	2283518	68.55%	3.607%
Sum of corrected areas:							63315023	

Aliphatic EPH 062725.M Wed Jul 09 07:06:01 2025



QC SAMPLE DATA

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	PB168723BL	SDG No.:	Q2487
Lab Sample ID:	PB168723BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/03/25 09:30	07/07/25 11:22	PB168723

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FC069376.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FC069376.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg	
Total EPH	Total EPH	2.09	U		2.09	6.00	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	PB168723BL	SDG No.:	Q2487
Lab Sample ID:	PB168723BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069376.D	1	07/03/25	07/07/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.4		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.8		40 - 140	88%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168723BL	Acq On:	07 Jul 2025 11:22
Client Sample ID:	PB168723BL	Operator:	YP/AJ
Data file:	FC069376.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.302	6.602	0	0	300	ug/ml
Aliphatic C12-C16	6.603	10.006	0	0	200	ug/ml
Aliphatic C16-C21	10.007	13.376	0	0	300	ug/ml
Aliphatic C21-C28	13.377	17.041	0	0	400	ug/ml
Aliphatic C28-C40	17.042	22.022	0	0	600	ug/ml
Aliphatic EPH	3.302	22.022	0	0		ug/ml
ortho-Terphenyl (SURR)	11.679	11.679	7559230	43.76		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	5930527	45.4		ug/ml
Aliphatic C9-C28	3.302	17.041	0	0	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070725AL\
 Data File : FC069376.D
 Signal(s) : FID1A.ch
 Acq On : 07 Jul 2025 11:22
 Operator : YP/AJ
 Sample : PB168723BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB168723BL

Integration File: autoint1.e
 Quant Time: Jul 08 01:27:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.679	7559230	43.756 ug/ml
Spiked Amount 50.000		Recovery =	87.51%
12) S 1-chlorooctadecane (S...	13.113	5930527	45.395 ug/ml
Spiked Amount 50.000		Recovery =	90.79%

Target Compounds

(f)=RT Delta > 1/2 Window

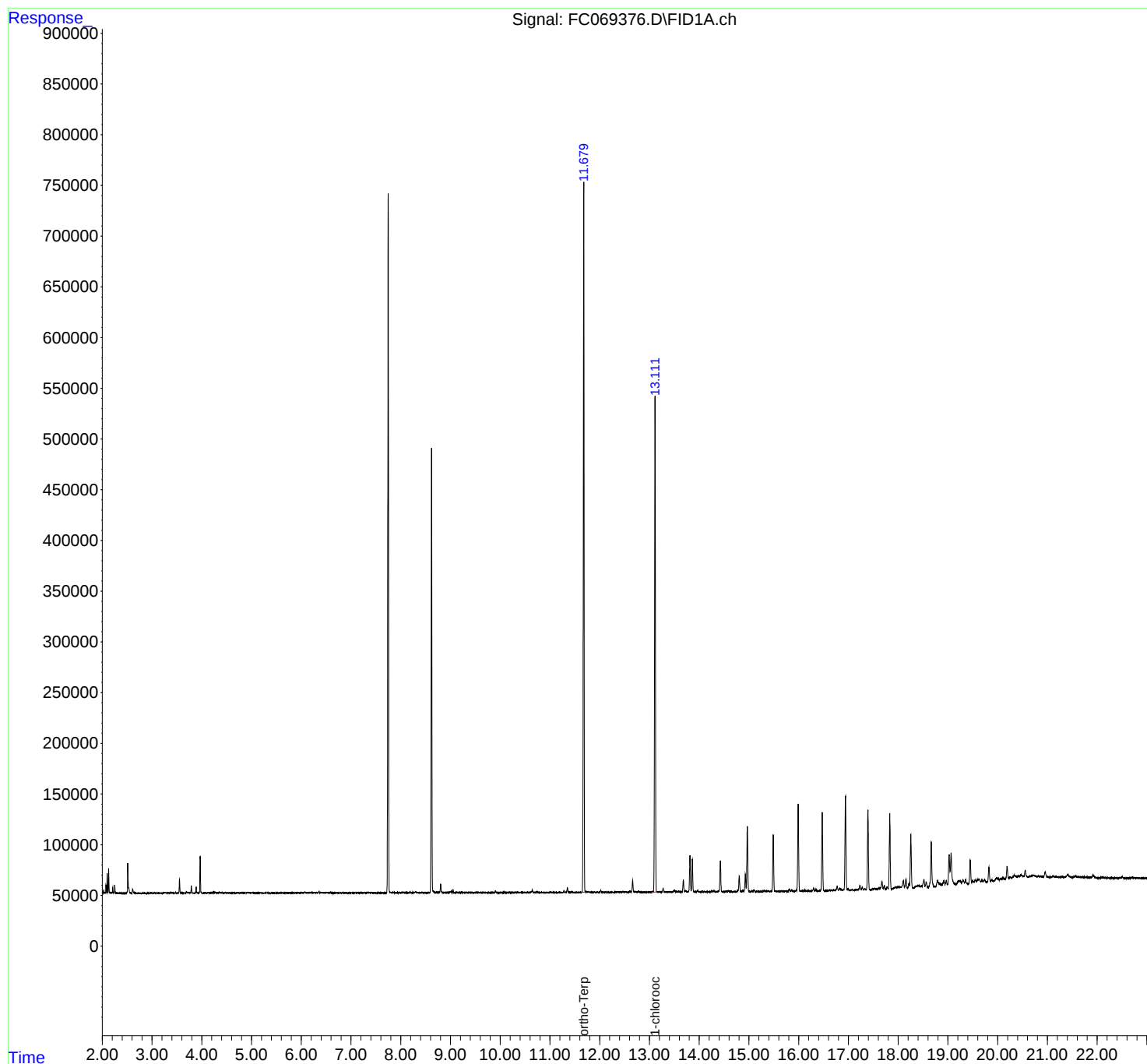
(m)=manual int.

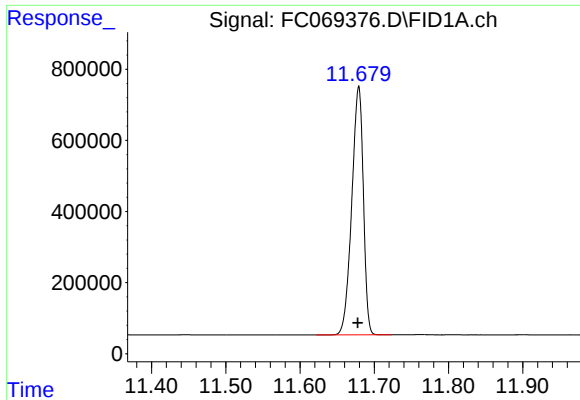
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070725AL\
Data File : FC069376.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 11:22
Operator : YP/AJ
Sample : PB168723BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168723BL

Integration File: autoint1.e
Quant Time: Jul 08 01:27:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

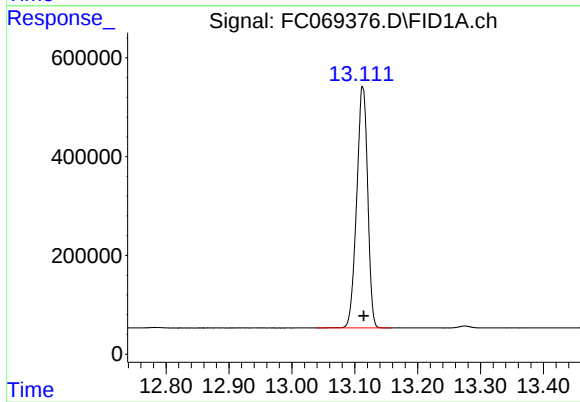




#9 ortho-Terphenyl (SURR)

R.T.: 11.679 min
Delta R.T.: 0.001 min
Response: 7559230
Conc: 43.76 ug/ml

Instrument :
FID_C
ClientSampleId :
PB168723BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.002 min
Response: 5930527
Conc: 45.40 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070725AL\
Data File : FC069376.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 11:22
Sample : PB168723BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	11.679	11.622	11.724	BB	698009	7559230	100.00%	56.037%
2	13.113	13.039	13.159	BB	486438	5930527	78.45%	43.963%
Sum of corrected areas:							13489757	

Aliphatic EPH 061825.M Tue Jul 08 01:51:33 2025

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	PB168723BS	SDG No.:	Q2487
Lab Sample ID:	PB168723BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/03/25 09:30	07/07/25 12:09	PB168723

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	34.4		1	1.18	2.00	mg/kg	FC069377.D
Aliphatic C9-C28	Aliphatic C9-C28	81.4	E	1	0.91	3.99	mg/kg	FC069377.D
Total AliphaticEPH	Total AliphaticEPH	116			2.09	5.99	mg/kg	
Total EPH	Total EPH	116			2.09	5.99	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	PB168723BS	SDG No.:	Q2487
Lab Sample ID:	PB168723BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069377.D	1	07/03/25	07/07/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	81.4	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	34.4		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.0		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.6		40 - 140	79%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168723BS	Acq On:	07 Jul 2025 12:09
Client Sample ID:	PB168723BS	Operator:	YP/AJ
Data file:	FC069377.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.302	6.602	35174224	239.803	300	ug/ml
Aliphatic C12-C16	6.603	10.006	45162382	283.665	200	ug/ml
Aliphatic C16-C21	10.007	13.376	47364920	306.699	300	ug/ml
Aliphatic C21-C28	13.377	17.041	52430829	391.373	400	ug/ml
Aliphatic C28-C40	17.042	22.022	47585084	516.531	600	ug/ml
Aliphatic EPH	3.302	22.022	227717439	1740		ug/ml
ortho-Terphenyl (SURR)	11.679	11.679	6844597	39.62		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	5362694	41.05		ug/ml
Aliphatic C9-C28	3.302	17.041	180132355	1220	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070725AL\
 Data File : FC069377.D
 Signal(s) : FID1A.ch
 Acq On : 07 Jul 2025 12:09
 Operator : YP/AJ
 Sample : PB168723BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB168723BS

Manual Integrations
 APPROVED

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

Integration File: autoint1.e
 Quant Time: Jul 08 01:27:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.679	6844597	39.619 ug/ml
Spiked Amount 50.000		Recovery =	79.24%
12) S 1-chlorooctadecane (S...	13.114	5362694	41.049 ug/ml
Spiked Amount 50.000		Recovery =	82.10%
Target Compounds			
1) T n-Nonane (C9)	3.415	6047079	42.520 ug/ml
2) T n-Decane (C10)	4.485	6607653	45.136 ug/ml
3) T A~Naphthalene (C11.7)	6.077	8095888	50.318 ug/ml
4) T n-Dodecane (C12)	6.506	6941100	45.839 ug/ml
5) T A~2-methylnaphthalene...	7.137	7557086	47.754 ug/ml
6) T n-Tetradecane (C14)	8.308	6972195	44.980 ug/ml
7) T n-Hexadecane (C16)	9.910	6982268	42.727 ug/ml
8) T n-Octadecane (C18)	11.356	6747949	41.330 ug/ml
10) T n-Eicosane (C20)	12.668	6686403	43.805 ug/ml
11) T n-Heneicosane (C21)	13.280	6292458	42.692 ug/ml
13) T n-Docosane (C22)	13.867	6123545	42.559 ug/ml
14) T n-Tetracosane (C24)	14.967	11893390	86.227 ug/ml
15) T n-Hexacosane (C26)	15.996	5537094	42.357 ug/ml
16) T n-Octacosane (C28)	16.946	5292867	42.917 ug/ml
17) T n-Tricontane (C30)	17.837	5175701	43.536 ug/ml
18) T n-Dotriacontane (C32)	18.668	5054922	46.232 ug/ml
19) T n-Tetratriacontane (C34)	19.453	5230784	54.168 ug/ml
20) T n-Hexatriacontane (C36)	20.194	5003858	60.717 ug/ml
21) T n-Octatriacontane (C38)	20.963	5043187	67.485 ug/ml
22) T n-Tetracontane (C40)	21.931	4903231	69.239 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070725AL\
Data File : FC069377.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 12:09
Operator : YP/AJ
Sample : PB168723BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

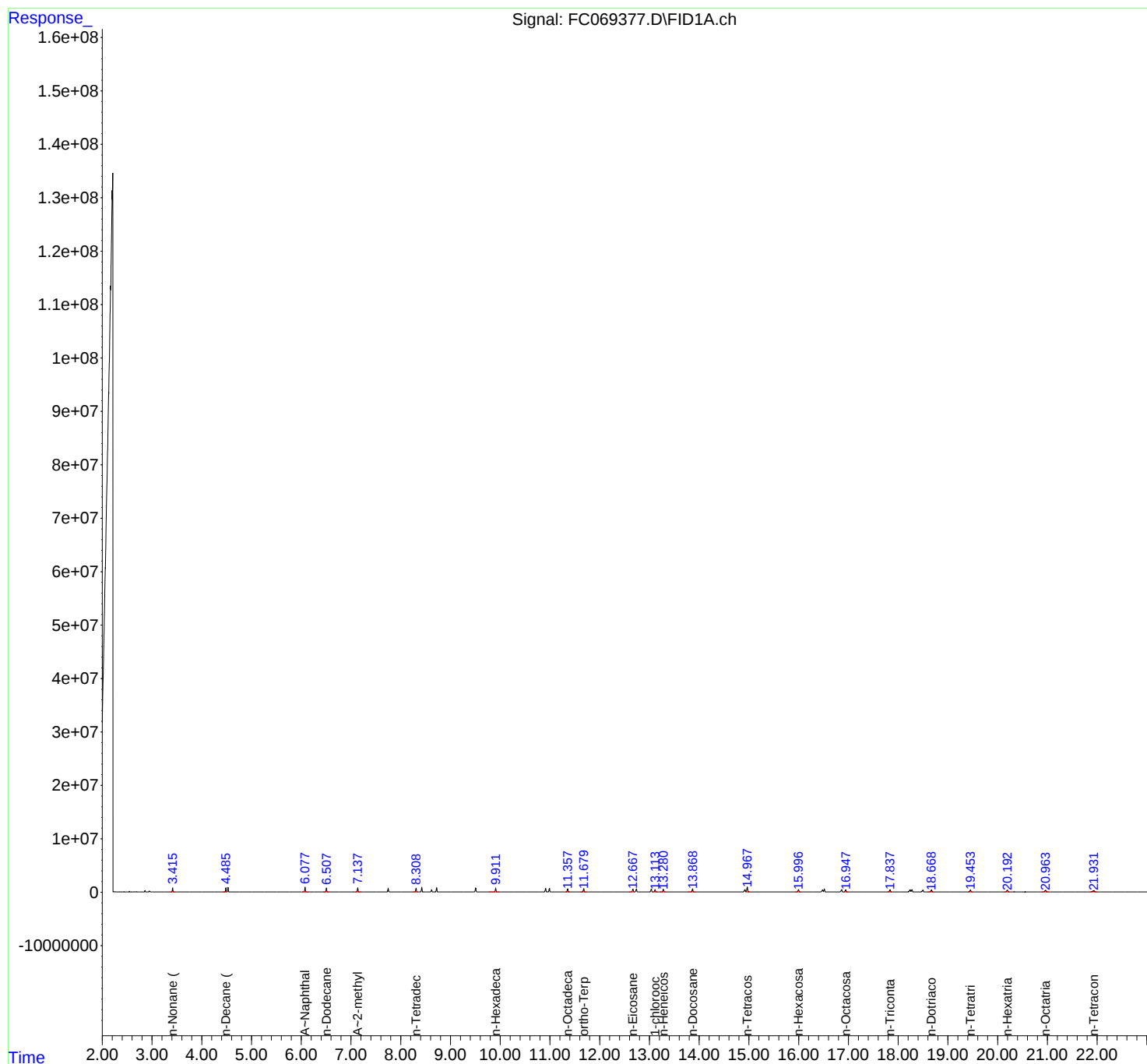
Instrument :
FID_C
ClientSampleId :
PB168723BS

Manual Integrations
APPROVED

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

Integration File: autoint1.e
Quant Time: Jul 08 01:27:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_C

ClientSampleId :

PB168723BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC07072
Data File : FC069377.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 12:09
Sample : PB168723BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.415	3.363	3.460	BB	729070	6047079	50.84%	2.520%
2	4.485	4.420	4.506	BV	750412	6607653	55.56%	2.754%
3	4.529	4.506	4.572	VV	841455	7482504	62.91%	3.119%
4	6.078	6.017	6.148	BB	872046	8095888	68.07%	3.374%
5	6.506	6.438	6.563	BB	701605	6941100	58.36%	2.893%
6	7.137	7.085	7.202	BB	756569	7557086	63.54%	3.150%
7	8.308	8.243	8.342	BB	655387	6972195	58.62%	2.906%
8	8.423	8.357	8.475	BB	796675	7928033	66.66%	3.304%
9	8.722	8.680	8.763	BB	768854	7904432	66.46%	3.295%
10	9.507	9.445	9.585	BB	720063	7818368	65.74%	3.259%
11	9.910	9.762	9.977	BB	619791	6982268	58.71%	2.910%
12	10.914	10.832	10.950	BV	651545	7241272	60.88%	3.018%
13	10.990	10.950	11.040	PV	652365	7179954	60.37%	2.993%
14	11.356	11.310	11.403	BB	586440	6747949	56.74%	2.813%
15	11.679	11.613	11.730	BB	633081	6844597	57.55%	2.853%
16	12.668	12.595	12.698	BV	551714	6686403	56.22%	2.787%
17	12.738	12.698	12.795	VB	580837	6649003	55.91%	2.771%
18	13.038	12.962	13.065	BV	545036	6567881	55.22%	2.737%
19	13.114	13.065	13.168	VB	449523	5362694	45.09%	2.235%
20	13.280	13.210	13.333	BB	513388	6292458	52.91%	2.623%
21	13.867	13.772	13.927	BB	526896	6123545	51.49%	2.552%
22	14.920	14.850	14.939	BV	434509	6079574	51.12%	2.534%
23	14.967	14.939	15.025	VB	926662	11893390	100.00%	4.957%
24	15.996	15.927	16.048	BB	420480	5537094	46.56%	2.308%
25	16.481	16.410	16.497	BV	396463	5917383	49.75%	2.466%
26	16.517	16.497	16.567	VB	501214	5844985	49.14%	2.436%
27	16.865	16.787	16.898	BV	429797	5741991	48.28%	2.393%
28	16.946	16.898	16.992	VB	402482	5292867	44.50%	2.206%
29	17.837	17.780	17.873	BB	372421	5175701	43.52%	2.157%
30	18.241	18.158	18.256	BV	410699	6233461	52.41%	2.598%
31	18.278	18.256	18.335	VB	421917	5563222	46.78%	2.319%
32	18.499	18.412	18.547	BB	357621	5548911	46.66%	2.313%
33	18.668	18.597	18.708	BB	346803	5054922	42.50%	2.107%
34	19.453	19.400	19.497	BB	372046	5230784	43.98%	2.180%
35	20.194	20.140	20.238	BB	315977	5003858	42.07%	2.086%
36	20.963	20.885	21.033	BB	283516	5043187	42.40%	2.102%

37 21.929 21.880 22.018 BB 195720 4731038 39.78% 1.972%
Sum of corrected areas: 2399

Aliphatic EPH 061825.M Tue Jul 08 01:53:19 2025

Instrument :

FID_C

ClientSampleId :

PB168723BS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	PB168723BSD	SDG No.:	Q2487
Lab Sample ID:	PB168723BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/03/25 09:30	07/07/25 12:57	PB168723

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	33.7		1	1.18	2.00	mg/kg	FC069378.D
Aliphatic C9-C28	Aliphatic C9-C28	79.4		1	0.91	4.00	mg/kg	FC069378.D
Total AliphaticEPH	Total AliphaticEPH	113			2.09	6.00	mg/kg	
Total EPH	Total EPH	113			2.09	6.00	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	PB168723BSD	SDG No.:	Q2487
Lab Sample ID:	PB168723BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069378.D	1	07/03/25	07/07/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	79.4		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	33.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.9		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.4		40 - 140	77%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168723BSD	Acq On:	07 Jul 2025 12:57
Client Sample ID:	PB168723BSD	Operator:	YP/AJ
Data file:	FC069378.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.302	6.602	34631725	236.105	300	ug/ml
Aliphatic C12-C16	6.603	10.006	44119588	277.115	200	ug/ml
Aliphatic C16-C21	10.007	13.376	45987496	297.78	300	ug/ml
Aliphatic C21-C28	13.377	17.041	51006980	380.745	400	ug/ml
Aliphatic C28-C40	17.042	22.022	46569670	505.508	600	ug/ml
Aliphatic EPH	3.302	22.022	222315459	1700		ug/ml
ortho-Terphenyl (SURR)	11.679	11.679	6637123	38.42		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	5211904	39.89		ug/ml
Aliphatic C9-C28	3.302	17.041	175745789	1190	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070725AL\
 Data File : FC069378.D
 Signal(s) : FID1A.ch
 Acq On : 07 Jul 2025 12:57
 Operator : YP/AJ
 Sample : PB168723BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB168723BSD

Manual Integrations
 APPROVED

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

Integration File: autoint1.e
 Quant Time: Jul 08 01:27:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.679	6637123	38.418 ug/ml
Spiked Amount 50.000		Recovery =	76.84%
12) S 1-chlorooctadecane (S...	13.113	5211904	39.895 ug/ml
Spiked Amount 50.000		Recovery =	79.79%
Target Compounds			
1) T n-Nonane (C9)	3.415	5966105	41.950 ug/ml
2) T n-Decane (C10)	4.485	6515749	44.508 ug/ml
3) T A~Naphthalene (C11.7)	6.077	7954497	49.439 ug/ml
4) T n-Dodecane (C12)	6.506	6820644	45.043 ug/ml
5) T A~2-methylnaphthalene...	7.137	7406841	46.805 ug/ml
6) T n-Tetradecane (C14)	8.307	6846993	44.173 ug/ml
7) T n-Hexadecane (C16)	9.910	6821172	41.741 ug/ml
8) T n-Octadecane (C18)	11.356	6582122	40.314 ug/ml
10) T n-Eicosane (C20)	12.667	6498919	42.577 ug/ml
11) T n-Heneicosane (C21)	13.280	6117173	41.503 ug/ml
13) T n-Docosane (C22)	13.867	5947825	41.338 ug/ml
14) T n-Tetracosane (C24)	14.967	11552985	83.759 ug/ml
15) T n-Hexacosane (C26)	15.996	5371235	41.089 ug/ml
16) T n-Octacosane (C28)	16.944	5131923	41.612 ug/ml
17) T n-Tricontane (C30)	17.836	5026959	42.285 ug/ml
18) T n-Dotriacontane (C32)	18.668	4920960	45.007 ug/ml
19) T n-Tetratriacontane (C34)	19.454	5121378	53.035 ug/ml
20) T n-Hexatriacontane (C36)	20.195	4910044	59.579 ug/ml
21) T n-Octatriacontane (C38)	20.962	4946283	66.188 ug/ml
22) T n-Tetracontane (C40)	21.928	4847758	68.456 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070725AL\
Data File : FC069378.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 12:57
Operator : YP/AJ
Sample : PB168723BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

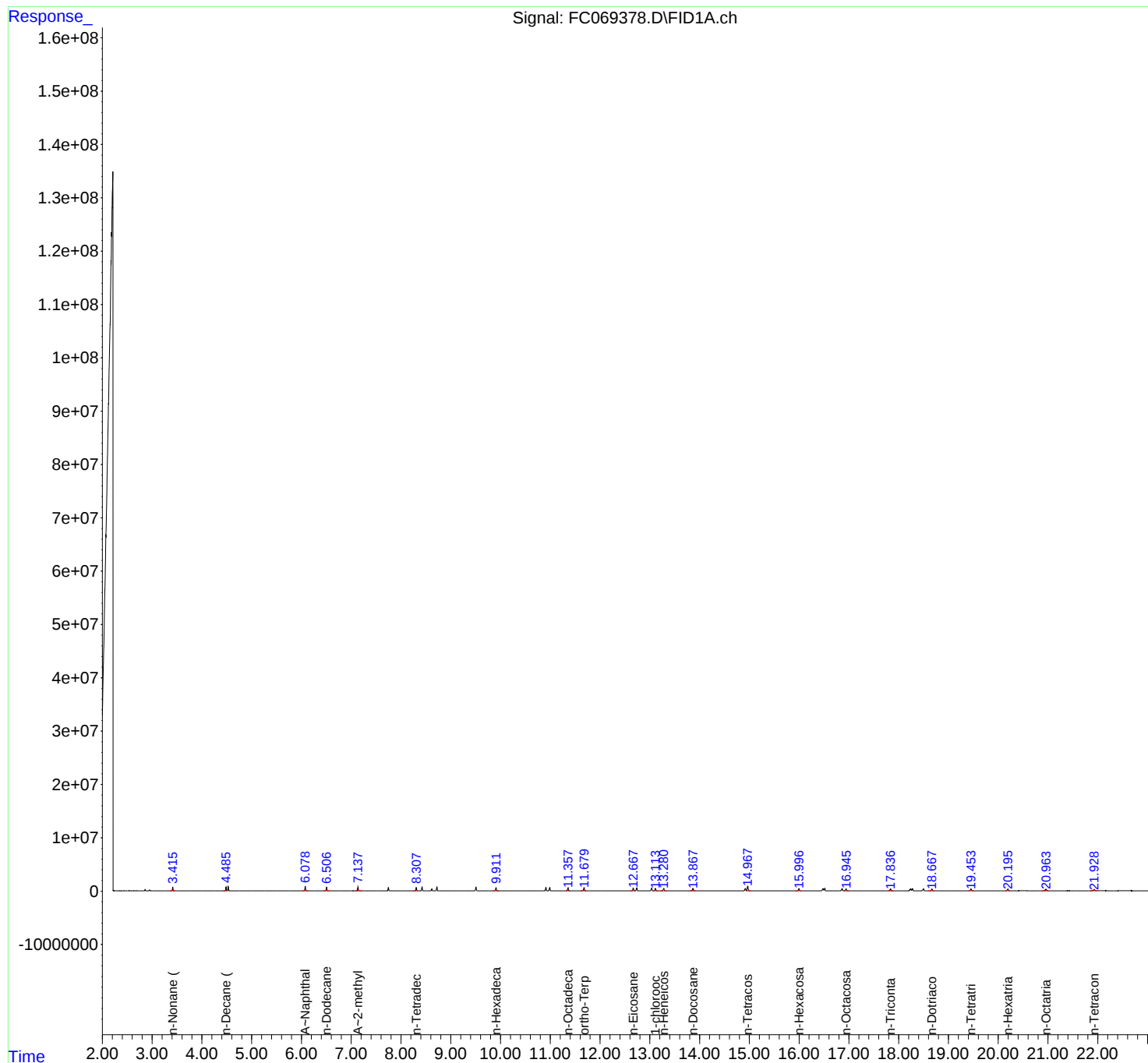
Instrument :
FID_C
ClientSampleId :
PB168723BSD

Manual Integrations
APPROVED

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

Integration File: autoint1.e
Quant Time: Jul 08 01:27:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_C

ClientSampleId :

PB168723BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC07072
Data File : FC069378.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 12:57
Sample : PB168723BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.415	3.355	3.460	BB	712670	5966105	51.64%	2.548%
2	4.485	4.427	4.506	BV	740933	6515749	56.40%	2.783%
3	4.529	4.506	4.571	VV	827342	7374730	63.83%	3.149%
4	6.077	6.012	6.137	BB	846143	7954497	68.85%	3.397%
5	6.506	6.444	6.564	BB	708905	6820644	59.04%	2.913%
6	7.137	7.085	7.217	BB	762884	7406841	64.11%	3.163%
7	8.307	8.242	8.339	BB	630766	6846993	59.27%	2.924%
8	8.423	8.357	8.475	BB	763931	7736115	66.96%	3.304%
9	8.722	8.682	8.762	BB	763057	7705658	66.70%	3.291%
10	9.507	9.437	9.570	BB	699092	7602809	65.81%	3.247%
11	9.910	9.847	9.974	BB	623633	6821172	59.04%	2.913%
12	10.913	10.822	10.952	BV	647700	7024564	60.80%	3.000%
13	10.990	10.952	11.045	VV	650860	6968370	60.32%	2.976%
14	11.356	11.310	11.400	BB	597153	6582122	56.97%	2.811%
15	11.679	11.610	11.725	BB	610951	6637123	57.45%	2.834%
16	12.667	12.607	12.698	BV	542354	6498919	56.25%	2.775%
17	12.737	12.698	12.785	VB	556327	6433728	55.69%	2.748%
18	13.038	12.962	13.065	BV	543674	6362620	55.07%	2.717%
19	13.113	13.065	13.169	VB	440149	5211904	45.11%	2.226%
20	13.280	13.212	13.339	BB	486742	6117173	52.95%	2.612%
21	13.867	13.800	13.927	BB	477044	5947825	51.48%	2.540%
22	14.919	14.769	14.938	BV	450648	5913260	51.18%	2.525%
23	14.967	14.938	15.030	VB	861832	11552985	100.00%	4.934%
24	15.996	15.920	16.040	BB	417908	5371235	46.49%	2.294%
25	16.481	16.407	16.496	BV	392244	5789069	50.11%	2.472%
26	16.516	16.496	16.565	VB	492032	5686290	49.22%	2.428%
27	16.864	16.789	16.904	BV	415486	5614393	48.60%	2.398%
28	16.944	16.904	17.002	VB	385366	5131923	44.42%	2.192%
29	17.836	17.780	17.892	BB	359954	5026959	43.51%	2.147%
30	18.239	18.162	18.254	BV	390678	6031761	52.21%	2.576%
31	18.277	18.254	18.352	VB	418105	5569583	48.21%	2.378%
32	18.498	18.419	18.542	BB	378246	5440952	47.10%	2.324%
33	18.668	18.592	18.717	BB	355722	4920960	42.59%	2.101%
34	19.454	19.400	19.515	BB	361071	5121378	44.33%	2.187%
35	20.195	20.140	20.232	BB	334359	4910044	42.50%	2.097%
36	20.962	20.875	21.012	BB	262360	4946283	42.81%	2.112%

37 21.929 21.880 22.002 BB 188409 4601750 39.83% 1.965%
Sum of corrected areas: 2345

Aliphatic EPH 061825.M Tue Jul 08 01:54:37 2025

Instrument :

FID_C

ClientSampleId :

PB168723BSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	WC-11MS	SDG No.:	Q2487
Lab Sample ID:	Q2493-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/03/25 09:30	07/07/25 15:22	PB168723

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	40.4		1	1.33	2.25	mg/kg	FC069381.D
Aliphatic C9-C28	Aliphatic C9-C28	82.8		1	1.03	4.51	mg/kg	FC069381.D
Total AliphaticEPH	Total AliphaticEPH	123			2.36	6.76	mg/kg	
Total EPH	Total EPH	123			2.36	6.76	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	WC-11MS	SDG No.:	Q2487
Lab Sample ID:	Q2493-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069381.D	1	07/03/25	07/07/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	82.8		1.03	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	40.4		1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.3		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.6		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2493-01MS	Acq On:	07 Jul 2025 15:22
Client Sample ID:	WC-11MS	Operator:	YP/AJ
Data file:	FC069381.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.302	6.602	28763772	196.099	300	ug/ml
Aliphatic C12-C16	6.603	10.006	39497349	248.083	200	ug/ml
Aliphatic C16-C21	10.007	13.376	44803509	290.114	300	ug/ml
Aliphatic C21-C28	13.377	17.041	49376218	368.572	400	ug/ml
Aliphatic C28-C40	17.042	22.022	49515605	537.486	600	ug/ml
Aliphatic EPH	3.302	22.022	211956453	1640		ug/ml
ortho-Terphenyl (SURR)	11.677	11.677	4776195	27.65		ug/ml
1-chlorooctadecane (SURR)	13.111	13.111	3828460	29.3		ug/ml
Aliphatic C9-C28	3.302	17.041	162440848	1100	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070725AL\
 Data File : FC069381.D
 Signal(s) : FID1A.ch
 Acq On : 07 Jul 2025 15:22
 Operator : YP/AJ
 Sample : Q2493-01MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 WC-11MS

Manual Integrations
 APPROVED

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

Integration File: autoint1.e
 Quant Time: Jul 08 01:28:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.677	4776195	27.647 ug/ml
Spiked Amount 50.000		Recovery =	55.29%
12) S 1-chlorooctadecane (S...	13.111	3828460	29.305 ug/ml
Spiked Amount 50.000		Recovery =	58.61%
Target Compounds			
1) T n-Nonane (C9)	3.408	4212451	29.620 ug/ml
2) T n-Decane (C10)	4.481	4849554	33.126 ug/ml
3) T A~Naphthalene (C11.7)	6.075	6158422	38.276 ug/ml
4) T n-Dodecane (C12)	6.505	5396551	35.638 ug/ml
5) T A~2-methylnaphthalene...	7.135	6000739	37.919 ug/ml
6) T n-Tetradecane (C14)	8.307	5857450	37.789 ug/ml
7) T n-Hexadecane (C16)	9.909	6251495	38.255 ug/ml
8) T n-Octadecane (C18)	11.355	6203402	37.995 ug/ml
10) T n-Eicosane (C20)	12.668	6191231	40.561 ug/ml
11) T n-Heneicosane (C21)	13.280	5829433	39.550 ug/ml
13) T n-Docosane (C22)	13.867	5677930	39.462 ug/ml
14) T n-Tetracosane (C24)	14.966	10970519	79.536 ug/ml
15) T n-Hexacosane (C26)	15.995	5167955	39.534 ug/ml
16) T n-Octacosane (C28)	16.945	4907832	39.795 ug/ml
17) T n-Tricontane (C30)	17.835	4762289	40.058 ug/ml
18) T n-Dotriacontane (C32)	18.667	4661095	42.630 ug/ml
19) T n-Tetratriacontane (C34)	19.452	4813031	49.842 ug/ml
20) T n-Hexatriacontane (C36)	20.193	4619343	56.052 ug/ml
21) T n-Octatriacontane (C38)	20.961	4680221	62.628 ug/ml
22) T n-Tetracontane (C40)	21.927	4625095	65.311 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070725AL\
Data File : FC069381.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 15:22
Operator : YP/AJ
Sample : Q2493-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

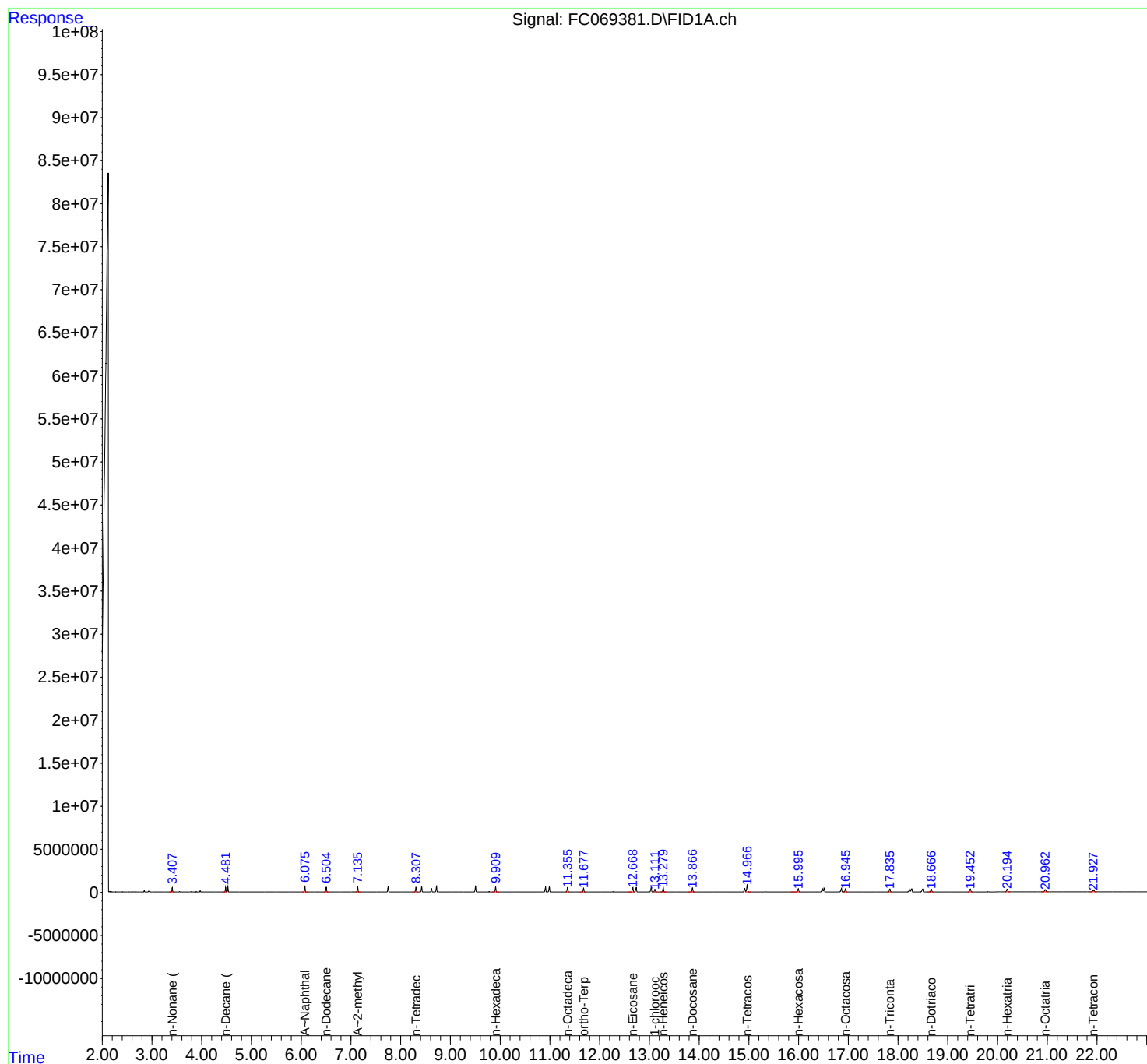
Instrument :
FID_C
ClientSampleId :
WC-11MS

Manual Integrations
APPROVED

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

Integration File: autoint1.e
Quant Time: Jul 08 01:28:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_C

ClientSampleId :

WC-11MS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC07072
Data File : FC069381.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 15:22
Sample : Q2493-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.246	3.204	3.348	BV	4502	58112	0.53%	0.026%
2	3.408	3.348	3.468	PV	507251	4228328	38.53%	1.915%
3	3.484	3.468	3.499	VV	626	8360	0.08%	0.004%
4	3.511	3.499	3.521	VV	467	4749	0.04%	0.002%
5	3.554	3.521	3.598	VV	43661	360805	3.29%	0.163%
6	3.608	3.598	3.614	VV	232	2057	0.02%	0.001%
7	3.628	3.614	3.664	VV	587	8704	0.08%	0.004%
8	3.693	3.664	3.714	VV	5576	83364	0.76%	0.038%
9	3.725	3.714	3.744	VV	2425	25246	0.23%	0.011%
10	3.763	3.744	3.774	VV	2391	24215	0.22%	0.011%
11	3.792	3.774	3.866	VV	35236	285659	2.60%	0.129%
12	3.889	3.866	3.936	VV	28231	234846	2.14%	0.106%
13	3.969	3.936	4.030	VV	131343	1063062	9.69%	0.481%
14	4.056	4.030	4.068	VV	611	8707	0.08%	0.004%
15	4.080	4.068	4.164	VV	528	17308	0.16%	0.008%
16	4.234	4.164	4.251	VV	8116	99443	0.91%	0.045%
17	4.264	4.251	4.328	VV	5789	55718	0.51%	0.025%
18	4.351	4.328	4.386	VV	2544	27879	0.25%	0.013%
19	4.406	4.386	4.439	VV	207	5700	0.05%	0.003%
20	4.481	4.439	4.503	VV	544282	4856061	44.25%	2.199%
21	4.525	4.503	4.568	VV	622980	5456347	49.72%	2.471%
22	4.585	4.568	4.608	VV	5125	50771	0.46%	0.023%
23	4.632	4.608	4.665	VV	8603	78851	0.72%	0.036%
24	4.683	4.665	4.710	VV	180	3356	0.03%	0.002%
25	4.727	4.710	4.751	VV	484	6539	0.06%	0.003%
26	4.765	4.751	4.788	VV	200	2338	0.02%	0.001%
27	4.812	4.788	4.844	PV	227	4132	0.04%	0.002%
28	4.854	4.844	4.886	VV	218	3053	0.03%	0.001%
29	4.900	4.886	4.914	VV	147	2369	0.02%	0.001%
30	4.931	4.914	4.994	VV	139	6631	0.06%	0.003%
31	5.000	4.994	5.017	VV	126	1449	0.01%	0.001%
32	5.035	5.017	5.052	VV	270	3541	0.03%	0.002%
33	5.067	5.052	5.103	VV	184	3677	0.03%	0.002%
34	5.128	5.103	5.159	PV	157	3635	0.03%	0.002%
35	5.171	5.159	5.191	VV	130	1478	0.01%	0.001%
36	5.203	5.191	5.288	VV	166	4801	0.04%	0.002%

					retention				
37	5.304	5.288	5.317	VV	229	2168	0.02%	0.001%	
38	5.335	5.317	5.387	VV	322	4636			
39	5.397	5.387	5.452	VV	195	2267			
40	5.478	5.452	5.501	PV	71	973			
41	5.518	5.501	5.533	VV	1580	15662			
42	5.545	5.533	5.608	VV	782	12135			
43	5.622	5.608	5.672	VV	177	4818	0.04%	0.002%	
44	5.689	5.672	5.735	VV	162	4019	0.04%	0.002%	
45	5.768	5.735	5.793	VV	495	6609	0.06%	0.003%	
46	5.811	5.793	5.847	VV	152	3210	0.03%	0.001%	
47	5.862	5.847	5.882	VV	175	2872	0.03%	0.001%	
48	5.910	5.882	5.944	VV	199	5620	0.05%	0.003%	
49	5.960	5.944	5.973	VV	212	2491	0.02%	0.001%	
50	5.986	5.973	6.011	VV	241	3251	0.03%	0.001%	
51	6.075	6.011	6.151	VV	661804	6179268	56.30%	2.799%	
52	6.159	6.151	6.198	VV	464	8620	0.08%	0.004%	
53	6.218	6.198	6.283	VV	487	13466	0.12%	0.006%	
54	6.299	6.283	6.311	VV	329	4208	0.04%	0.002%	
55	6.315	6.311	6.322	VV	340	1724	0.02%	0.001%	
56	6.350	6.322	6.370	VV	474	9631	0.09%	0.004%	
57	6.404	6.370	6.431	VV	392	10270	0.09%	0.005%	
58	6.441	6.431	6.464	VV	284	4733	0.04%	0.002%	
59	6.505	6.464	6.548	VV	559692	5410578	49.30%	2.451%	
60	6.572	6.548	6.625	VV	1133	17364	0.16%	0.008%	
61	6.654	6.625	6.692	VV	472	8441	0.08%	0.004%	
62	6.700	6.692	6.709	VV	125	1076	0.01%	0.000%	
63	6.715	6.709	6.754	VV	130	1958	0.02%	0.001%	
64	6.793	6.754	6.811	VV	238	4689	0.04%	0.002%	
65	6.828	6.811	6.876	VV	216	4746	0.04%	0.002%	
66	6.920	6.876	6.958	VV	386	8285	0.08%	0.004%	
67	6.977	6.958	7.011	VV	5544	55790	0.51%	0.025%	
68	7.039	7.011	7.085	VV	12603	124217	1.13%	0.056%	
69	7.135	7.085	7.248	VV	608532	6009479	54.76%	2.722%	
70	7.269	7.248	7.301	VV	2141	29102	0.27%	0.013%	
71	7.323	7.301	7.373	VV	2489	44219	0.40%	0.020%	
72	7.399	7.373	7.412	VV	1104	12677	0.12%	0.006%	
73	7.428	7.412	7.454	VV	1740	19223	0.18%	0.009%	
74	7.494	7.454	7.509	VV	482	10199	0.09%	0.005%	
75	7.522	7.509	7.552	VV	440	5781	0.05%	0.003%	
76	7.579	7.552	7.587	VV	122	1884	0.02%	0.001%	
77	7.607	7.587	7.629	VV	698	8486	0.08%	0.004%	
78	7.651	7.629	7.693	VV	281	6418	0.06%	0.003%	
79	7.856	7.822	7.871	VV	602	13029	0.12%	0.006%	
80	7.885	7.871	7.940	VV	542	11836	0.11%	0.005%	
81	7.949	7.940	7.966	VV	249	3018	0.03%	0.001%	
82	7.997	7.966	8.031	VV	1505	23112	0.21%	0.010%	
83	8.054	8.031	8.121	VV	1099	25961	0.24%	0.012%	
84	8.134	8.121	8.151	VV	353	5460	0.05%	0.002%	
85	8.165	8.151	8.184	VV	457	6430	0.06%	0.003%	
86	8.210	8.184	8.238	VV	477	11809	0.11%	0.005%	
87	8.307	8.238	8.344	VV	568333	5874093	53.52%	2.661%	
88	8.361	8.344	8.377	VV	431	6743	0.06%	0.003%	
89	8.422	8.377	8.467	VV	644713	6589126	60.04%	2.984%	

Instrument :

FID_C

ClientSampleId :

WC-11MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

90	8.487	8.467	8.507	VV	608	10860	0.10%	0.005%
91	8.532	8.507	8.568	VV	543	10937		
92	8.720	8.683	8.756	VV	670284	6696533	62.50%	3.107%
93	8.772	8.756	8.820	VV	516	10670		
94	8.836	8.820	8.881	VV	345	4022		
95	8.928	8.881	8.948	PV	246	4794		
96	8.988	8.948	9.006	VV	1512	23384	0.21%	0.011%
97	9.017	9.006	9.096	VV	1071	20146	0.18%	0.009%
98	9.126	9.096	9.152	VV	907	11691	0.11%	0.005%
99	9.161	9.152	9.181	PV	121	1040	0.01%	0.000%
100	9.188	9.181	9.244	VV	68	1192	0.01%	0.001%
101	9.299	9.244	9.328	PV	122	3909	0.04%	0.002%
102	9.364	9.328	9.378	VV	256	4772	0.04%	0.002%
103	9.381	9.378	9.401	VV	240	2075	0.02%	0.001%
104	9.426	9.401	9.454	VV	307	5276	0.05%	0.002%
105	9.506	9.454	9.588	VV	626286	6859676	62.50%	3.107%
106	9.598	9.588	9.621	VV	339	6264	0.06%	0.003%
107	9.646	9.621	9.664	VV	753	12480	0.11%	0.006%
108	9.684	9.664	9.696	VV	2680	32100	0.29%	0.015%
109	9.715	9.696	9.750	VV	9592	109889	1.00%	0.050%
110	9.777	9.750	9.828	VV	40124	442997	4.04%	0.201%
111	9.840	9.828	9.874	VV	694	10757	0.10%	0.005%
112	9.909	9.874	9.976	VV	589935	6271198	57.14%	2.840%
113	9.998	9.976	10.060	VV	516	13400	0.12%	0.006%
114	10.078	10.060	10.119	VV	228	6538	0.06%	0.003%
115	10.130	10.119	10.146	VV	264	3485	0.03%	0.002%
116	10.188	10.146	10.223	VV	703	13845	0.13%	0.006%
117	10.251	10.223	10.278	VV	2367	31194	0.28%	0.014%
118	10.296	10.278	10.313	VV	405	7153	0.07%	0.003%
119	10.329	10.313	10.337	VV	450	5358	0.05%	0.002%
120	10.348	10.337	10.364	VV	498	7065	0.06%	0.003%
121	10.390	10.364	10.410	VV	395	9803	0.09%	0.004%
122	10.423	10.410	10.464	VV	534	11218	0.10%	0.005%
123	10.488	10.464	10.498	VV	352	6188	0.06%	0.003%
124	10.510	10.498	10.524	VV	357	5163	0.05%	0.002%
125	10.552	10.524	10.621	VV	626	27029	0.25%	0.012%
126	10.643	10.621	10.661	VV	599	10286	0.09%	0.005%
127	10.709	10.661	10.731	VV	6069	84093	0.77%	0.038%
128	10.742	10.731	10.774	VV	1075	17268	0.16%	0.008%
129	10.786	10.774	10.818	VV	317	6573	0.06%	0.003%
130	10.913	10.818	10.948	VV	597950	6610831	60.24%	2.994%
131	10.989	10.948	11.041	VV	598350	6548401	59.67%	2.966%
132	11.060	11.041	11.087	VV	998	16951	0.15%	0.008%
133	11.098	11.087	11.131	VV	398	7820	0.07%	0.004%
134	11.154	11.131	11.174	VV	1613	21389	0.19%	0.010%
135	11.194	11.174	11.231	VV	2680	34947	0.32%	0.016%
136	11.246	11.231	11.258	VV	297	4024	0.04%	0.002%
137	11.280	11.258	11.304	VV	602	10238	0.09%	0.005%
138	11.355	11.304	11.391	VV	536724	6214957	56.63%	2.815%
139	11.431	11.391	11.491	VV	454	17519	0.16%	0.008%
140	11.512	11.491	11.531	VV	338	5615	0.05%	0.003%
141	11.547	11.531	11.578	VV	317	6798	0.06%	0.003%

Instrument :

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ClientSampleId :

WC-11MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

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					retention			
142	11.597	11.578	11.618	VV	243	4559	0.04%	0.002%
143	11.677	11.618	11.730	VV	447944	4792817	43	
144	11.745	11.730	11.758	VV	613	8075		
145	11.770	11.758	11.785	VV	471	6559		
146	11.808	11.785	11.848	VV	1118	27123		
147	11.860	11.848	11.874	VV	687	8498		
148	11.889	11.874	11.935	VV	673	12590	0.11%	0.006%
149	11.956	11.935	11.989	VV	542	10329	0.09%	0.005%
150	12.021	11.989	12.050	VV	429	11810	0.11%	0.005%
151	12.069	12.050	12.097	VV	1066	16535	0.15%	0.007%
152	12.113	12.097	12.148	VV	432	7410	0.07%	0.003%
153	12.183	12.148	12.204	VV	335	6667	0.06%	0.003%
154	12.268	12.204	12.334	VV	30297	384303	3.50%	0.174%
155	12.353	12.334	12.425	VV	1490	51581	0.47%	0.023%
156	12.456	12.425	12.464	VV	674	12939	0.12%	0.006%
157	12.488	12.464	12.548	VV	1849	39617	0.36%	0.018%
158	12.557	12.548	12.571	VV	408	5307	0.05%	0.002%
159	12.607	12.571	12.627	VV	727	17210	0.16%	0.008%
160	12.667	12.627	12.698	VV	518770	6200402	56.50%	2.808%
161	12.736	12.698	12.817	VV	530031	6190838	56.41%	2.804%
162	12.829	12.817	12.838	VV	298	3235	0.03%	0.001%
163	12.865	12.838	12.894	VV	532	12343	0.11%	0.006%
164	12.916	12.894	12.957	VV	5074	62693	0.57%	0.028%
165	12.971	12.957	12.987	VV	309	4192	0.04%	0.002%
166	13.037	12.987	13.065	VV	529500	6087364	55.47%	2.757%
167	13.111	13.065	13.178	VV	319714	3843029	35.02%	1.741%
168	13.223	13.178	13.241	VV	442	11364	0.10%	0.005%
169	13.280	13.241	13.344	VV	499856	5839993	53.21%	2.645%
170	13.371	13.344	13.404	VV	325	8224	0.07%	0.004%
171	13.419	13.404	13.427	VV	292	3857	0.04%	0.002%
172	13.505	13.427	13.588	VV	5085	109350	1.00%	0.050%
173	13.619	13.588	13.639	VV	940	20466	0.19%	0.009%
174	13.654	13.639	13.672	VV	792	12277	0.11%	0.006%
175	13.707	13.672	13.751	VV	1115	29353	0.27%	0.013%
176	13.764	13.751	13.791	VV	485	8612	0.08%	0.004%
177	13.812	13.791	13.827	VV	674	9911	0.09%	0.004%
178	13.867	13.827	13.971	VV	475011	5697292	51.91%	2.580%
179	13.990	13.971	14.016	VV	817	12121	0.11%	0.005%
180	14.040	14.016	14.075	VV	1065	16233	0.15%	0.007%
181	14.099	14.075	14.138	VV	382	8212	0.07%	0.004%
182	14.147	14.138	14.208	VV	197	5465	0.05%	0.002%
183	14.222	14.208	14.232	VV	230	2619	0.02%	0.001%
184	14.254	14.232	14.283	VV	740	14459	0.13%	0.007%
185	14.304	14.283	14.337	VV	1964	28583	0.26%	0.013%
186	14.352	14.337	14.388	VV	416	8344	0.08%	0.004%
187	14.427	14.388	14.471	VV	1128	21505	0.20%	0.010%
188	14.486	14.471	14.507	VV	456	7653	0.07%	0.003%
189	14.533	14.507	14.571	VV	595	13881	0.13%	0.006%
190	14.597	14.571	14.619	VV	540	9038	0.08%	0.004%
191	14.638	14.619	14.698	VV	1453	14396	0.13%	0.007%
192	14.712	14.698	14.728	VV	168	2574	0.02%	0.001%
193	14.813	14.728	14.850	VV	504	18296	0.17%	0.008%
194	14.861	14.850	14.872	VV	239	2585	0.02%	0.001%

Instrument :

FID_C

ClientSampleId :

WC-11MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

					rters				
195	14.917	14.872	14.937	VV	409553	5611502	51.13%	2.542%	
196	14.966	14.937	15.048	VV	845160	10974831	100.00%	2.542%	
197	15.068	15.048	15.121	VV	484	11588	0.00%	0.000%	
198	15.150	15.121	15.186	VV	391	9193	0.00%	0.000%	
199	15.221	15.186	15.238	VV	190	3602	0.00%	0.000%	
200	15.249	15.238	15.264	VV	166	1366	0.00%	0.000%	
201	15.273	15.264	15.288	VV	116	1290	0.01%	0.001%	
202	15.302	15.288	15.310	VV	116	833	0.01%	0.000%	
203	15.346	15.310	15.432	VV	15282	244693	2.23%	0.111%	
204	15.446	15.432	15.459	VV	266	3289	0.03%	0.001%	
205	15.487	15.459	15.527	VV	2719	43125	0.39%	0.020%	
206	15.566	15.527	15.603	VV	1404	25149	0.23%	0.011%	
207	15.620	15.603	15.639	PV	382	4051	0.04%	0.002%	
208	15.647	15.639	15.661	VV	105	699	0.01%	0.000%	
209	15.671	15.661	15.691	VV	123	1058	0.01%	0.000%	
210	15.715	15.691	15.778	VV	459	11608	0.11%	0.005%	
211	15.823	15.778	15.844	VV	421	6969	0.06%	0.003%	
212	15.869	15.844	15.929	VV	479	11912	0.11%	0.005%	
213	15.995	15.929	16.036	VV	382443	5156335	46.98%	2.335%	
214	16.053	16.036	16.094	VV	332	5161	0.05%	0.002%	
215	16.115	16.094	16.161	PV	129	1824	0.02%	0.001%	
216	16.194	16.161	16.229	VV	859	11337	0.10%	0.005%	
217	16.251	16.229	16.281	PV	121	1974	0.02%	0.001%	
218	16.299	16.281	16.318	VV	208	2218	0.02%	0.001%	
219	16.365	16.318	16.415	VV	1918	39268	0.36%	0.018%	
220	16.479	16.415	16.494	VV	356858	5502894	50.14%	2.492%	
221	16.513	16.494	16.578	VV	458010	5337692	48.64%	2.418%	
222	16.603	16.578	16.624	VV	560	8157	0.07%	0.004%	
223	16.637	16.624	16.658	VV	156	2408	0.02%	0.001%	
224	16.673	16.658	16.693	VV	183	2287	0.02%	0.001%	
225	16.721	16.693	16.754	VV	2651	35483	0.32%	0.016%	
226	16.788	16.754	16.810	VV	1085	19152	0.17%	0.009%	
227	16.862	16.810	16.891	VV	390908	5261715	47.94%	2.383%	
228	16.945	16.891	16.981	VV	379197	4925573	44.88%	2.231%	
229	17.018	16.981	17.044	VV	836	18900	0.17%	0.009%	
230	17.101	17.044	17.122	VV	212	5783	0.05%	0.003%	
231	17.132	17.122	17.150	PV	66	726	0.01%	0.000%	
232	17.162	17.150	17.181	VV	78	1176	0.01%	0.001%	
233	17.220	17.181	17.258	PV	272	6858	0.06%	0.003%	
234	17.311	17.258	17.349	VV	1133	24347	0.22%	0.011%	
235	17.392	17.349	17.421	VV	3488	53553	0.49%	0.024%	
236	17.477	17.421	17.524	VV	498	9534	0.09%	0.004%	
237	17.555	17.524	17.564	PV	95	1432	0.01%	0.001%	
238	17.624	17.564	17.651	PV	215	4432	0.04%	0.002%	
239	17.722	17.651	17.754	PV	3924	59269	0.54%	0.027%	
240	17.835	17.754	17.891	VV	346483	4806547	43.80%	2.177%	
241	17.922	17.891	17.964	VV	1401	22929	0.21%	0.010%	
242	18.012	17.964	18.047	VV	699	13070	0.12%	0.006%	
243	18.074	18.047	18.103	PV	406	6994	0.06%	0.003%	
244	18.129	18.103	18.138	VV	224	3657	0.03%	0.002%	
245	18.238	18.138	18.253	VV	370460	5810678	52.95%	2.632%	
246	18.275	18.253	18.334	VV	375625	5141530	46.85%	2.329%	

Instrument :

FID_C

ClientSampleId :

WC-11MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

Data							Instrument : FID_C ClientSampleId : WC-11MS	
Run	Time	Area	Height	Width	Area%	Height%	Width%	
247	18.354	18.334	18.374	VV	559	10907	0.10%	
248	18.387	18.374	18.418	VV	522	8458	0.005%	
249	18.427	18.418	18.444	VV	156	1509		
250	18.495	18.444	18.541	VV	347724	5106882		
251	18.558	18.541	18.578	VV	405	6915		
252	18.609	18.578	18.622	VV	628	10795		
253	18.667	18.622	18.714	VV	324996	4661853	42.48%	
254	18.763	18.714	18.807	VV	1131	27716	2.111%	
255	18.824	18.807	18.848	VV	564	9641	0.25%	
256	18.953	18.848	18.971	VV	577	22366	0.09%	
257	19.020	18.971	19.042	VV	4330	88636	0.004%	
258	19.062	19.042	19.108	VV	3501	85341	0.20%	
259	19.145	19.108	19.184	VV	1112	39440	0.010%	
260	19.259	19.184	19.280	VV	1109	55172	0.040%	
261	19.312	19.280	19.321	VV	1159	24684	0.039%	
262	19.345	19.321	19.379	VV	1181	38560	0.018%	
263	19.452	19.379	19.493	VV	338706	4892101	0.011%	
264	19.515	19.493	19.534	VV	1790	40571	0.017%	
265	19.559	19.534	19.591	VV	2190	60832	0.035%	
266	19.630	19.591	19.658	VV	2507	77692	0.033%	
267	19.700	19.658	19.721	VV	2174	73668	0.025%	
268	19.745	19.721	19.765	VV	2259	55565	0.077%	
269	19.822	19.765	19.854	VV	4790	170049	0.031%	
270	19.879	19.854	19.901	VV	2544	69000	0.032%	
271	19.926	19.901	19.948	VV	2618	70233	0.079%	
272	19.994	19.948	20.028	VV	5394	175248	2.14%	
273	20.101	20.028	20.128	VV	4470	234377	2.201%	
274	20.193	20.128	20.238	VV	329199	4859710	0.016%	
275	20.245	20.238	20.254	VV	3854	36232	0.194%	
276	20.332	20.254	20.402	VV	7004	428693	0.156%	
277	20.456	20.402	20.522	VV	5087	343359	0.117%	
278	20.553	20.522	20.611	VV	5684	257882	0.093%	
279	20.657	20.611	20.691	VV	4349	204619	0.102%	
280	20.712	20.691	20.782	VV	4323	224210	0.088%	
281	20.853	20.782	20.864	VV	3915	193398	2.266%	
282	20.961	20.864	21.021	VV	252877	5003940	0.026%	
283	21.037	21.021	21.051	VV	3278	57430	0.059%	
284	21.061	21.051	21.121	VV	3243	129993	0.014%	
285	21.127	21.121	21.139	VV	2966	31325	0.046%	
286	21.147	21.139	21.201	VV	2887	101806	0.025%	
287	21.225	21.201	21.238	VV	2581	55329	0.013%	
288	21.249	21.238	21.257	VV	2464	28247	0.059%	
289	21.277	21.257	21.344	VV	2619	129901	0.075%	
290	21.410	21.344	21.451	VV	3106	165964	0.041%	
291	21.461	21.451	21.522	VV	2321	89753	0.015%	
292	21.531	21.522	21.550	VV	2007	33372	0.034%	
293	21.602	21.550	21.618	VV	1918	75551	0.043%	
294	21.630	21.618	21.711	VV	1855	95683	0.045%	
295	21.780	21.711	21.811	VV	1823	98402	0.014%	
296	21.834	21.811	21.843	VV	1579	30298	2.151%	
297	21.929	21.843	22.041	VV	179242	4749782	0.17%	
298	22.070	22.041	22.081	VV	824	18711	0.008%	
299	22.144	22.081	22.182	VV	1449	61005	0.028%	

Manual IntegrationsAPPROVED

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

	Area	Height	Area%	Height%	Integration	Integration	Integration	Integration	Integration	Integration
300	22.192	22.182	22.347	VV	816	45895	0.42%	0.021%		
301	22.381	22.347	22.424	VV	193	6570				
302	22.434	22.424	22.470	VV	169	2027				
Sum of corrected areas:					2207					

Aliphatic EPH 061825.M Tue Jul 08 02:04:44 2025

Instrument :
FID_C
ClientSampleId :
WC-11MS

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	WC-11MSD	SDG No.:	Q2487
Lab Sample ID:	Q2493-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/03/25 09:30	07/07/25 16:10	PB168723

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	38.7		1	1.33	2.25	mg/kg	FC069382.D
Aliphatic C9-C28	Aliphatic C9-C28	79.2		1	1.02	4.51	mg/kg	FC069382.D
Total AliphaticEPH	Total AliphaticEPH	118			2.36	6.76	mg/kg	
Total EPH	Total EPH	118			2.36	6.76	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	WC-11MSD	SDG No.:	Q2487
Lab Sample ID:	Q2493-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069382.D	1	07/03/25	07/07/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	79.2		1.02	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	38.7		1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.4		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.8		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2493-01MSD	Acq On:	07 Jul 2025 16:10
Client Sample ID:	WC-11MSD	Operator:	YP/AJ
Data file:	FC069382.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.302	6.602	27653241	188.528	300	ug/ml
Aliphatic C12-C16	6.603	10.006	37689018	236.724	200	ug/ml
Aliphatic C16-C21	10.007	13.376	42772240	276.961	300	ug/ml
Aliphatic C21-C28	13.377	17.041	47075426	351.397	400	ug/ml
Aliphatic C28-C40	17.042	22.022	47445861	515.019	600	ug/ml
Aliphatic EPH	3.302	22.022	202635786	1570		ug/ml
ortho-Terphenyl (SURR)	11.675	11.675	4636396	26.84		ug/ml
1-chlorooctadecane (SURR)	13.110	13.110	3713375	28.42		ug/ml
Aliphatic C9-C28	3.302	17.041	155189925	1050	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070725AL\
 Data File : FC069382.D
 Signal(s) : FID1A.ch
 Acq On : 07 Jul 2025 16:10
 Operator : YP/AJ
 Sample : Q2493-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 WC-11MSD

Manual Integrations
 APPROVED

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

Integration File: autoint1.e
 Quant Time: Jul 08 01:28:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.675	4636396	26.837 ug/ml
Spiked Amount 50.000		Recovery =	53.67%
12) S 1-chlorooctadecane (S...	13.110	3713375	28.424 ug/ml
Spiked Amount 50.000		Recovery =	56.85%
Target Compounds			
1) T n-Nonane (C9)	3.406	4051226	28.486 ug/ml
2) T n-Decane (C10)	4.479	4670635	31.904 ug/ml
3) T A~Naphthalene (C11.7)	6.074	5918369	36.784 ug/ml
4) T n-Dodecane (C12)	6.504	5193931	34.300 ug/ml
5) T A~2-methylnaphthalene...	7.134	5743367	36.293 ug/ml
6) T n-Tetradecane (C14)	8.306	5620725	36.262 ug/ml
7) T n-Hexadecane (C16)	9.908	5975893	36.569 ug/ml
8) T n-Octadecane (C18)	11.354	5925825	36.295 ug/ml
10) T n-Eicosane (C20)	12.666	5894804	38.619 ug/ml
11) T n-Heneicosane (C21)	13.279	5541144	37.594 ug/ml
13) T n-Docosane (C22)	13.866	5393833	37.488 ug/ml
14) T n-Tetracosane (C24)	14.965	10375146	75.220 ug/ml
15) T n-Hexacosane (C26)	15.995	4881469	37.342 ug/ml
16) T n-Octacosane (C28)	16.945	4655429	37.748 ug/ml
17) T n-Tricontane (C30)	17.835	4522597	38.042 ug/ml
18) T n-Dotriacontane (C32)	18.667	4432211	40.537 ug/ml
19) T n-Tetratriacontane (C34)	19.453	4585137	47.482 ug/ml
20) T n-Hexatriacontane (C36)	20.194	4404720	53.447 ug/ml
21) T n-Octatriacontane (C38)	20.962	4463010	59.721 ug/ml
22) T n-Tetracontane (C40)	21.932	4418895	62.400 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC070725AL\
Data File : FC069382.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 16:10
Operator : YP/AJ
Sample : Q2493-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

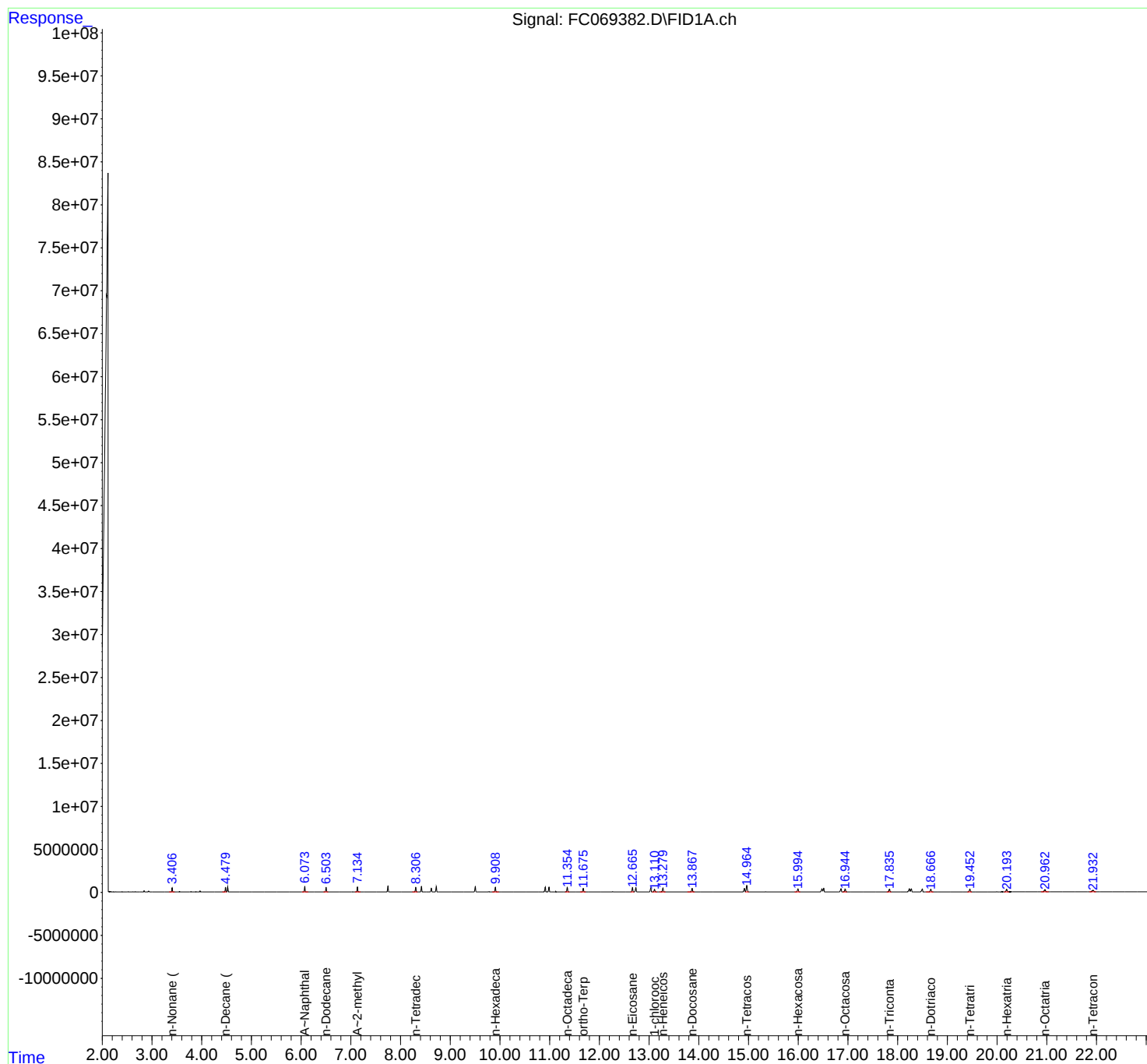
Instrument :
FID_C
ClientSampleId :
WC-11MSD

Manual Integrations
APPROVED

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

Integration File: autoint1.e
Quant Time: Jul 08 01:28:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rters

Instrument :

FID_C

ClientSampleId :

WC-11MSD

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC07072
Data File : FC069382.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 16:10
Sample : Q2493-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

Integration File: sample.E

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.244	3.204	3.278	PV	4228	38359	0.37%	0.018%
2	3.286	3.278	3.335	PV	152	3652	0.04%	0.002%
3	3.406	3.335	3.467	PV	483877	4067180	39.03%	1.926%
4	3.482	3.467	3.497	VV	651	8083	0.08%	0.004%
5	3.511	3.497	3.521	VV	458	5482	0.05%	0.003%
6	3.552	3.521	3.595	VV	42522	341822	3.28%	0.162%
7	3.606	3.595	3.614	VV	373	3142	0.03%	0.001%
8	3.625	3.614	3.658	VV	594	8453	0.08%	0.004%
9	3.692	3.658	3.712	VV	5312	79537	0.76%	0.038%
10	3.724	3.712	3.744	VV	2393	25686	0.25%	0.012%
11	3.761	3.744	3.772	VV	2213	22276	0.21%	0.011%
12	3.790	3.772	3.864	VV	33371	274767	2.64%	0.130%
13	3.887	3.864	3.933	VV	26665	220285	2.11%	0.104%
14	3.968	3.933	4.028	VV	122223	995455	9.55%	0.471%
15	4.054	4.028	4.067	VV	640	9125	0.09%	0.004%
16	4.079	4.067	4.098	VV	513	6857	0.07%	0.003%
17	4.108	4.098	4.121	VV	308	4040	0.04%	0.002%
18	4.128	4.121	4.165	VV	346	6695	0.06%	0.003%
19	4.232	4.165	4.250	VV	7436	93614	0.90%	0.044%
20	4.263	4.250	4.331	VV	5416	53263	0.51%	0.025%
21	4.349	4.331	4.390	VV	2311	26197	0.25%	0.012%
22	4.405	4.390	4.419	VV	202	2826	0.03%	0.001%
23	4.479	4.419	4.501	VV	526400	4677237	44.89%	2.215%
24	4.523	4.501	4.567	VV	598160	5248323	50.37%	2.485%
25	4.584	4.567	4.607	VV	4881	48389	0.46%	0.023%
26	4.630	4.607	4.668	VV	8261	77754	0.75%	0.037%
27	4.683	4.668	4.703	VV	257	3639	0.03%	0.002%
28	4.727	4.703	4.747	VV	465	6290	0.06%	0.003%
29	4.764	4.747	4.790	VV	254	3071	0.03%	0.001%
30	4.810	4.790	4.844	VV	200	3509	0.03%	0.002%
31	4.857	4.844	4.884	VV	167	2103	0.02%	0.001%
32	4.894	4.884	4.916	VV	227	2441	0.02%	0.001%
33	4.957	4.916	4.984	VV	198	5397	0.05%	0.003%
34	5.011	4.984	5.020	VV	166	2432	0.02%	0.001%
35	5.036	5.020	5.061	VV	238	4089	0.04%	0.002%
36	5.086	5.061	5.104	VV	288	4337	0.04%	0.002%

					rters				
37	5.118	5.104	5.147	VV	221	3699	0.04%	0.002%	
38	5.158	5.147	5.178	VV	162	1635			
39	5.201	5.178	5.244	VV	232	4523			
40	5.256	5.244	5.278	VV	129	1379			
41	5.300	5.278	5.316	VV	220	2415			
42	5.335	5.316	5.354	VV	307	4168			
43	5.394	5.354	5.441	VV	150	4226	0.04%	0.002%	
44	5.471	5.441	5.482	PV	120	1918	0.02%	0.001%	
45	5.516	5.482	5.532	VV	1609	16053	0.15%	0.008%	
46	5.544	5.532	5.603	VV	765	14003	0.13%	0.007%	
47	5.625	5.603	5.694	VV	200	8328	0.08%	0.004%	
48	5.708	5.694	5.729	VV	216	3205	0.03%	0.002%	
49	5.766	5.729	5.800	VV	455	8599	0.08%	0.004%	
50	5.815	5.800	5.848	VV	181	3637	0.03%	0.002%	
51	5.862	5.848	5.879	VV	224	2529	0.02%	0.001%	
52	5.910	5.879	5.944	VV	232	5407	0.05%	0.003%	
53	5.953	5.944	5.971	VV	135	2149	0.02%	0.001%	
54	5.982	5.971	5.995	VV	163	2196	0.02%	0.001%	
55	6.006	5.995	6.013	VV	169	1683	0.02%	0.001%	
56	6.074	6.013	6.145	VV	645175	5935895	56.97%	2.811%	
57	6.159	6.145	6.192	VV	453	9296	0.09%	0.004%	
58	6.220	6.192	6.261	VV	491	12116	0.12%	0.006%	
59	6.318	6.261	6.331	VV	300	10363	0.10%	0.005%	
60	6.346	6.331	6.379	VV	558	10491	0.10%	0.005%	
61	6.395	6.379	6.467	VV	337	13444	0.13%	0.006%	
62	6.504	6.467	6.554	VV	531136	5208369	49.99%	2.466%	
63	6.571	6.554	6.630	VV	1019	17719	0.17%	0.008%	
64	6.651	6.630	6.695	VV	487	8496	0.08%	0.004%	
65	6.713	6.695	6.725	VV	133	2025	0.02%	0.001%	
66	6.779	6.725	6.814	VV	182	6092	0.06%	0.003%	
67	6.830	6.814	6.845	VV	128	1794	0.02%	0.001%	
68	6.859	6.845	6.884	VV	103	1525	0.01%	0.001%	
69	6.919	6.884	6.944	VV	338	5427	0.05%	0.003%	
70	6.975	6.944	7.011	VV	5207	53087	0.51%	0.025%	
71	7.038	7.011	7.088	VV	12376	119832	1.15%	0.057%	
72	7.134	7.088	7.244	VV	593481	5759312	55.27%	2.727%	
73	7.268	7.244	7.301	VV	2090	27490	0.26%	0.013%	
74	7.323	7.301	7.339	VV	2409	29419	0.28%	0.014%	
75	7.347	7.339	7.371	VV	1222	13547	0.13%	0.006%	
76	7.398	7.371	7.411	VV	966	11810	0.11%	0.006%	
77	7.427	7.411	7.451	VV	1621	17125	0.16%	0.008%	
78	7.493	7.451	7.511	VV	399	8956	0.09%	0.004%	
79	7.519	7.511	7.584	VV	329	4148	0.04%	0.002%	
80	7.606	7.584	7.631	VV	662	7771	0.07%	0.004%	
81	7.648	7.631	7.678	VV	218	4468	0.04%	0.002%	
82	7.841	7.815	7.868	VV	512	12405	0.12%	0.006%	
83	7.885	7.868	7.915	VV	476	8009	0.08%	0.004%	
84	7.922	7.915	7.934	VV	239	2137	0.02%	0.001%	
85	7.942	7.934	7.967	VV	235	3142	0.03%	0.001%	
86	7.997	7.967	8.026	VV	1524	19935	0.19%	0.009%	
87	8.052	8.026	8.095	VV	985	16566	0.16%	0.008%	
88	8.108	8.095	8.144	VV	295	6843	0.07%	0.003%	
89	8.160	8.144	8.181	VV	371	6049	0.06%	0.003%	

Instrument :

FID_C

ClientSampleId :

WC-11MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

90	8.208	8.181	8.248	VV	403	12833	0.12%	0.006%
91	8.306	8.248	8.350	VV	545689	5633834	54.00%	0.006%
92	8.359	8.350	8.376	VV	386	4696	0.00%	0.000%
93	8.420	8.376	8.470	VV	631913	6286110	60.00%	0.000%
94	8.488	8.470	8.505	VV	418	6743	0.00%	0.000%
95	8.530	8.505	8.561	VV	390	7122	0.00%	0.000%
96	8.719	8.682	8.758	VV	628426	6391822	61.35%	3.026%
97	8.770	8.758	8.820	VV	498	11670	0.11%	0.006%
98	8.835	8.820	8.875	VV	408	5402	0.05%	0.003%
99	8.926	8.875	8.944	VV	300	7033	0.07%	0.003%
100	8.987	8.944	9.001	VV	1529	21833	0.21%	0.010%
101	9.015	9.001	9.096	VV	1345	25509	0.24%	0.012%
102	9.124	9.096	9.231	VV	878	13790	0.13%	0.007%
103	9.234	9.231	9.251	VV	67	478	0.00%	0.000%
104	9.259	9.251	9.272	PV	87	706	0.01%	0.000%
105	9.282	9.272	9.291	VV	70	531	0.01%	0.000%
106	9.313	9.291	9.331	VV	201	2351	0.02%	0.001%
107	9.363	9.331	9.396	VV	295	6055	0.06%	0.003%
108	9.424	9.396	9.443	VV	244	4147	0.04%	0.002%
109	9.504	9.443	9.586	PV	623480	6526192	62.63%	3.090%
110	9.601	9.586	9.624	VV	280	5470	0.05%	0.003%
111	9.645	9.624	9.659	VV	559	8140	0.08%	0.004%
112	9.682	9.659	9.695	VV	2469	29553	0.28%	0.014%
113	9.714	9.695	9.751	VV	9007	103486	0.99%	0.049%
114	9.775	9.751	9.827	VV	38199	412582	3.96%	0.195%
115	9.839	9.827	9.866	VV	568	7905	0.08%	0.004%
116	9.908	9.866	9.981	VV	548889	5989404	57.48%	2.836%
117	9.998	9.981	10.028	VV	364	6211	0.06%	0.003%
118	10.047	10.028	10.118	VV	149	3161	0.03%	0.001%
119	10.131	10.118	10.165	VV	133	1766	0.02%	0.001%
120	10.188	10.165	10.224	VV	479	5803	0.06%	0.003%
121	10.249	10.224	10.278	PV	2055	22561	0.22%	0.011%
122	10.294	10.278	10.310	VV	168	1933	0.02%	0.001%
123	10.345	10.310	10.378	VV	261	6353	0.06%	0.003%
124	10.385	10.378	10.405	VV	168	2133	0.02%	0.001%
125	10.422	10.405	10.474	PV	242	4485	0.04%	0.002%
126	10.506	10.474	10.518	VV	221	3805	0.04%	0.002%
127	10.550	10.518	10.588	VV	637	16916	0.16%	0.008%
128	10.603	10.588	10.618	VV	729	9070	0.09%	0.004%
129	10.644	10.618	10.673	VV	704	15710	0.15%	0.007%
130	10.707	10.673	10.729	VV	5930	81496	0.78%	0.039%
131	10.740	10.729	10.774	VV	1154	21499	0.21%	0.010%
132	10.788	10.774	10.808	VV	517	9239	0.09%	0.004%
133	10.911	10.808	10.945	VV	570580	6298523	60.45%	2.982%
134	10.987	10.945	11.041	VV	581840	6239529	59.88%	2.954%
135	11.057	11.041	11.089	VV	1225	21803	0.21%	0.010%
136	11.100	11.089	11.134	VV	568	27537	0.26%	0.013%
137	11.154	11.134	11.174	VV	1796	25549	0.25%	0.012%
138	11.193	11.174	11.255	VV	2620	44363	0.43%	0.021%
139	11.280	11.255	11.303	VV	681	14366	0.14%	0.007%
140	11.354	11.303	11.397	VV	538862	5947161	57.08%	2.816%
141	11.422	11.397	11.483	VV	618	23549	0.23%	0.011%

Instrument :

FID_C

ClientSampleId :

WC-11MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

142	11.509	11.483	11.526	VV	513	9981	0.10%	0.005%
143	11.544	11.526	11.574	VV	510	11382	0.10%	0.005%
144	11.600	11.574	11.619	VV	385	8314	0.10%	0.005%
145	11.675	11.619	11.726	VV	429737	4659123	44.23%	2.739%
146	11.743	11.726	11.783	VV	644	18858	0.10%	0.005%
147	11.808	11.783	11.872	VV	1248	42310	0.10%	0.005%
148	11.888	11.872	11.917	VV	729	13702	0.13%	0.006%
149	11.953	11.917	11.987	VV	630	17052	0.16%	0.008%
150	12.018	11.987	12.048	VV	537	15960	0.15%	0.008%
151	12.069	12.048	12.098	VV	1131	19702	0.19%	0.009%
152	12.115	12.098	12.148	VV	559	11655	0.11%	0.006%
153	12.184	12.148	12.211	VV	415	12240	0.12%	0.006%
154	12.267	12.211	12.331	VV	27369	362893	3.48%	0.172%
155	12.351	12.331	12.433	VV	1589	61384	0.59%	0.029%
156	12.487	12.433	12.538	VV	1861	52953	0.51%	0.025%
157	12.558	12.538	12.573	VV	532	9801	0.09%	0.005%
158	12.605	12.573	12.628	VV	812	20295	0.19%	0.010%
159	12.665	12.628	12.697	VV	505112	5907143	56.69%	2.797%
160	12.734	12.697	12.804	VV	518331	5884006	56.47%	2.786%
161	12.865	12.804	12.888	VV	522	18207	0.17%	0.009%
162	12.915	12.888	12.981	VV	4930	67965	0.65%	0.032%
163	13.034	12.981	13.064	VV	500399	5785423	55.53%	2.739%
164	13.110	13.064	13.175	VV	310878	3729190	35.79%	1.766%
165	13.278	13.175	13.341	VV	455936	5572704	53.48%	2.639%
166	13.391	13.341	13.411	VV	359	12989	0.12%	0.006%
167	13.506	13.411	13.591	VV	4174	116239	1.12%	0.055%
168	13.618	13.591	13.638	VV	948	21123	0.20%	0.010%
169	13.654	13.638	13.684	VV	892	18482	0.18%	0.009%
170	13.706	13.684	13.744	VV	1177	26899	0.26%	0.013%
171	13.765	13.744	13.788	VV	544	11620	0.11%	0.006%
172	13.865	13.788	13.968	VV	419337	5433748	52.15%	2.573%
173	13.990	13.968	14.015	VV	914	15282	0.15%	0.007%
174	14.039	14.015	14.068	VV	1063	17102	0.16%	0.008%
175	14.097	14.068	14.171	VV	526	18955	0.18%	0.009%
176	14.256	14.171	14.278	VV	925	26661	0.26%	0.013%
177	14.304	14.278	14.331	VV	1919	30695	0.29%	0.015%
178	14.352	14.331	14.401	VV	593	16045	0.15%	0.008%
179	14.426	14.401	14.468	VV	1183	23869	0.23%	0.011%
180	14.486	14.468	14.511	VV	684	12072	0.12%	0.006%
181	14.533	14.511	14.581	VV	677	18221	0.17%	0.009%
182	14.594	14.581	14.617	VV	658	9575	0.09%	0.005%
183	14.652	14.617	14.728	VV	665	22126	0.21%	0.010%
184	14.815	14.728	14.871	VV	538	26557	0.25%	0.013%
185	14.917	14.871	14.937	VV	411000	5349581	51.34%	2.533%
186	14.965	14.937	15.048	VV	761543	10419416	100.00%	4.933%
187	15.068	15.048	15.124	VV	551	15790	0.15%	0.007%
188	15.145	15.124	15.191	VV	423	12744	0.12%	0.006%
189	15.210	15.191	15.281	VV	274	11576	0.11%	0.005%
190	15.345	15.281	15.461	VV	14107	242297	2.33%	0.115%
191	15.487	15.461	15.531	VV	2675	44435	0.43%	0.021%
192	15.567	15.531	15.601	VV	1281	25706	0.25%	0.012%
193	15.621	15.601	15.680	VV	362	9169	0.09%	0.004%
194	15.716	15.680	15.781	PV	429	14519	0.14%	0.007%

Manual IntegrationsAPPROVED

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

195	15.822	15.781	15.844	VV	541	8898	0.09%	0.004%
196	15.870	15.844	15.925	VV	523	13915		
197	15.995	15.925	16.038	VV	364063	4888061	46.00%	2.481%
198	16.055	16.038	16.104	VV	389	4864		
199	16.194	16.104	16.234	PV	743	11145		
200	16.301	16.234	16.319	PV	164	4403		
201	16.366	16.319	16.418	VV	1850	36799	0.35%	0.017%
202	16.477	16.418	16.495	VV	342363	5240215	50.29%	2.481%
203	16.513	16.495	16.580	VV	429313	5081109	48.77%	2.406%
204	16.602	16.580	16.694	VV	526	10197	0.10%	0.005%
205	16.721	16.694	16.754	PV	2616	31473	0.30%	0.015%
206	16.790	16.754	16.814	VV	1025	19033	0.18%	0.009%
207	16.860	16.814	16.894	VV	378128	5017021	48.15%	2.376%
208	16.944	16.894	17.004	VV	331904	4672969	44.85%	2.213%
209	17.018	17.004	17.070	VV	768	11831	0.11%	0.006%
210	17.099	17.070	17.158	VV	134	3280	0.03%	0.002%
211	17.226	17.158	17.268	PV	260	7299	0.07%	0.003%
212	17.312	17.268	17.345	VV	994	20471	0.20%	0.010%
213	17.391	17.345	17.447	VV	3088	49374	0.47%	0.023%
214	17.478	17.447	17.504	PV	494	7157	0.07%	0.003%
215	17.519	17.504	17.574	VV	119	3230	0.03%	0.002%
216	17.618	17.574	17.654	VV	174	4595	0.04%	0.002%
217	17.724	17.654	17.754	PV	3708	57426	0.55%	0.027%
218	17.835	17.754	17.881	VV	323680	4560818	43.77%	2.160%
219	17.921	17.881	17.971	VV	1319	22564	0.22%	0.011%
220	18.013	17.971	18.051	VV	525	10279	0.10%	0.005%
221	18.073	18.051	18.098	PV	299	3890	0.04%	0.002%
222	18.235	18.098	18.253	VV	369443	5592083	53.67%	2.648%
223	18.273	18.253	18.333	VV	359711	4866580	46.71%	2.304%
224	18.351	18.333	18.370	VV	504	8966	0.09%	0.004%
225	18.389	18.370	18.434	VV	426	8920	0.09%	0.004%
226	18.494	18.434	18.544	VV	339389	4878168	46.82%	2.310%
227	18.558	18.544	18.574	VV	434	5827	0.06%	0.003%
228	18.666	18.574	18.724	VV	320638	4447823	42.69%	2.106%
229	18.764	18.724	18.801	VV	1183	26074	0.25%	0.012%
230	18.825	18.801	18.856	VV	549	11790	0.11%	0.006%
231	18.954	18.856	18.974	VV	402	18309	0.18%	0.009%
232	19.022	18.974	19.043	VV	3814	79668	0.76%	0.038%
233	19.060	19.043	19.118	VV	3257	81270	0.78%	0.038%
234	19.148	19.118	19.177	VV	948	28747	0.28%	0.014%
235	19.260	19.177	19.278	VV	996	50189	0.48%	0.024%
236	19.364	19.278	19.398	VV	1127	71142	0.68%	0.034%
237	19.452	19.398	19.501	VV	332261	4654653	44.67%	2.204%
238	19.559	19.501	19.594	VV	2102	93885	0.90%	0.044%
239	19.630	19.594	19.661	VV	2438	77098	0.74%	0.037%
240	19.700	19.661	19.724	VV	2168	73229	0.70%	0.035%
241	19.745	19.724	19.768	VV	2076	51315	0.49%	0.024%
242	19.820	19.768	19.854	VV	4170	152663	1.47%	0.072%
243	19.995	19.854	20.026	VV	5223	304003	2.92%	0.144%
244	20.101	20.026	20.131	VV	4325	240386	2.31%	0.114%
245	20.193	20.131	20.241	VV	311026	4640966	44.54%	2.197%
246	20.332	20.241	20.390	VV	6474	401770	3.86%	0.190%

Instrument :

FID_C

ClientSampleId :

WC-11MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2025

Supervised By :mohammad ahmed 07/08/2025

						Areas		Clients Sampled : WC-11MSD										
247	20.495	20.390	20.638	VV	8351	876099	8.41%	0.415%										
248	20.653	20.638	20.676	VV	4126	94196	0.41%	0.002%										
249	20.741	20.676	20.784	VV	4063	259272	2.59%	0.002%										
250	20.857	20.784	20.898	VV	3904	260717	2.60%	0.002%										
Manual Integration Reviewed By :Yogesh Supervised By :m																		
										251	20.963	20.898	21.208	VV	250121	5047333	48.48%	2.145%
										252	21.282	21.208	21.358	VV	2664	226172	2.26%	0.002%
										253	21.408	21.358	21.528	VV	3084	245332	2.35%	0.116%
										254	21.618	21.528	21.710	VV	1905	194350	1.87%	0.092%
255	21.773	21.710	21.824	VV	1560	95798	0.92%	0.045%										
256	21.930	21.824	22.024	VV	180347	4530685	43.48%	2.145%										
257	22.144	22.024	22.336	VV	1304	131514	1.26%	0.062%										
Sum of corrected areas:						211197634												



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

Manual Integration Report

Sequence:

FC061825AL

Instrument

FID_c

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

FC070725AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC069375.D	n-Tetracontane (C40)	yogesh	7/8/2025 7:22:22 AM	mohammad	7/8/2025 9:14:55	Peak Integrated by Software
PB168723BS	FC069377.D	n-Tetracontane (C40)	yogesh	7/8/2025 7:22:23 AM	mohammad	7/8/2025 9:14:55	Peak Integrated by Software
PB168723BSD	FC069378.D	n-Tetracontane (C40)	yogesh	7/8/2025 7:22:25 AM	mohammad	7/8/2025 9:14:55	Peak Integrated by Software
Q2493-01MS	FC069381.D	n-Tetracontane (C40)	yogesh	7/8/2025 7:22:26 AM	mohammad	7/8/2025 9:14:55	Peak Integrated by Software
Q2493-01MSD	FC069382.D	n-Tetracontane (C40)	yogesh	7/8/2025 7:22:27 AM	mohammad	7/8/2025 9:14:55	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069385.D	n-Tetracontane (C40)	yogesh	7/8/2025 7:22:29 AM	mohammad	7/8/2025 9:14:55	Peak Integrated by Software

Manual Integration Report

Sequence:

FE062725AL

Instrument

FID_e

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

Manual Integration Report

Sequence:	FE070725AL	Instrument	FID_e
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE054697.D	n-Hexatriacontane (C36)	yogesh	7/7/2025 11:32:52 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054697.D	n-Tetracosane (C24)	yogesh	7/7/2025 11:32:52 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2491-02DL	FE054702.D	ortho-Terphenyl (SURR)	yogesh	7/8/2025 7:43:15 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054704.D	n-Hexatriacontane (C36)	yogesh	7/8/2025 7:43:13 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054704.D	n-Octatriacontane (C38)	yogesh	7/8/2025 7:43:13 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054704.D	n-Tetracontane (C40)	yogesh	7/8/2025 7:43:13 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054704.D	n-Tetracosane (C24)	yogesh	7/8/2025 7:43:13 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2487-14	FE054710.D	1-chlorooctadecane (SURR)	yogesh	7/8/2025 7:43:17 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2487-16	FE054712.D	1-chlorooctadecane (SURR)	yogesh	7/8/2025 7:43:19 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054714.D	n-Dotriacontane (C32)	yogesh	7/8/2025 7:43:20 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054714.D	n-Hexatriacontane (C36)	yogesh	7/8/2025 7:43:20 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054714.D	n-Tetratriacontane (C34)	yogesh	7/8/2025 7:43:20 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054714.D	n-Tricontane (C30)	yogesh	7/8/2025 7:43:20 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software

Manual Integration Report

Sequence:	FE070725AL	Instrument	FID_e
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2507-01	FE054717.D	ortho-Terphenyl (SURR)	yogesh	7/8/2025 7:43:22 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2507-02	FE054718.D	ortho-Terphenyl (SURR)	yogesh	7/8/2025 7:43:24 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2513-01	FE054719.D	1-chlorooctadecane (SURR)	yogesh	7/8/2025 7:43:26 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2513-01	FE054719.D	ortho-Terphenyl (SURR)	yogesh	7/8/2025 7:43:26 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2513-02	FE054720.D	1-chlorooctadecane (SURR)	yogesh	7/8/2025 7:43:27 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
Q2513-02	FE054720.D	ortho-Terphenyl (SURR)	yogesh	7/8/2025 7:43:27 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054724.D	n-Docosane (C22)	yogesh	7/8/2025 7:43:40 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054724.D	n-Hexatriacontane (C36)	yogesh	7/8/2025 7:43:40 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054724.D	n-Octatriacontane (C38)	yogesh	7/8/2025 7:43:40 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054724.D	n-Tetracosane (C24)	yogesh	7/8/2025 7:43:40 AM	mohammad	7/8/2025 9:14:49	Peak Integrated by Software



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

Manual Integration Report

Sequence:

FE070825AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2507-01DL	FE054728.D	ortho-Terphenyl (SURR)	yogesh	7/9/2025 8:02:19 AM	 	 	Peak Integrated by Software
Q2513-01DL	FE054735.D	ortho-Terphenyl (SURR)	yogesh	7/9/2025 8:02:20 AM	 	 	Peak Integrated by Software
Q2513-02DL	FE054736.D	ortho-Terphenyl (SURR)	yogesh	7/9/2025 8:02:22 AM	 	 	Peak Integrated by Software

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC061825AL

Review By	yogesh	Review On	6/18/2025 1:05:10 PM
Supervise By	mohammad	Supervise On	6/20/2025 3:01:04 AM
SubDirectory	FC061825AL	HP Acquire Method	HP Processing Method FC061825AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069219.D	18 Jun 2025 09:57	YP/AJ	Ok
2	I.BLK	FC069220.D	18 Jun 2025 10:37	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC069221.D	18 Jun 2025 11:17	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC069222.D	18 Jun 2025 11:58	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC069223.D	18 Jun 2025 12:39	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC069224.D	18 Jun 2025 13:20	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC069225.D	18 Jun 2025 14:03	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC069226.D	18 Jun 2025 14:45	YP/AJ	Ok
9	I.BLK	FC069227.D	18 Jun 2025 15:28	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069228.D	18 Jun 2025 16:12	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC070725AL

Review By	yogesh	Review On	7/7/2025 11:21:48 AM
Supervise By	mohammad	Supervise On	7/8/2025 9:14:55 AM
SubDirectory	FC070725AL	HP Acquire Method	HP Processing Method FC061825AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069373.D	07 Jul 2025 09:04	YP/AJ	Ok
2	I.BLK	FC069374.D	07 Jul 2025 09:49	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069375.D	07 Jul 2025 10:35	YP/AJ	Ok,M
4	PB168723BL	FC069376.D	07 Jul 2025 11:22	YP/AJ	Ok
5	PB168723BS	FC069377.D	07 Jul 2025 12:09	YP/AJ	Ok,M
6	PB168723BSD	FC069378.D	07 Jul 2025 12:57	YP/AJ	Ok,M
7	Q2493-01	FC069379.D	07 Jul 2025 13:45	YP/AJ	Ok
8	Q2493-01D	FC069380.D	07 Jul 2025 14:33	YP/AJ	Ok
9	Q2493-01MS	FC069381.D	07 Jul 2025 15:22	YP/AJ	Ok,M
10	Q2493-01MSD	FC069382.D	07 Jul 2025 16:10	YP/AJ	Ok,M
11	Q2493-02	FC069383.D	07 Jul 2025 17:01	YP/AJ	Ok
12	I.BLK	FC069384.D	07 Jul 2025 18:36	YP/AJ	Ok
13	20 PPM ALIPHATIC HC STD	FC069385.D	07 Jul 2025 19:23	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE062725AL

Review By	yogesh	Review On	6/27/2025 12:30:13 PM
Supervise By	mohammad	Supervise On	6/30/2025 9:33:27 AM
SubDirectory	FE062725AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE054606.D	27 Jun 2025 11:53	YP\AJ	Ok
2	I.BLK	FE054607.D	27 Jun 2025 12:23	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE054608.D	27 Jun 2025 12:53	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE054609.D	27 Jun 2025 13:23	YP\AJ	Ok,M
5	20 PPM ALIPHATIC HC STD3	FE054610.D	27 Jun 2025 13:53	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE054611.D	27 Jun 2025 14:23	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE054612.D	27 Jun 2025 14:54	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE054613.D	27 Jun 2025 15:24	YP\AJ	Ok
9	I.BLK	FE054614.D	27 Jun 2025 15:54	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE054615.D	27 Jun 2025 16:24	YP\AJ	Ok
11	Q2429-01	FE054616.D	27 Jun 2025 16:54	YP\AJ	Ok
12	Q2429-02	FE054617.D	27 Jun 2025 17:25	YP\AJ	Ok,M
13	Q2431-01	FE054618.D	27 Jun 2025 17:55	YP\AJ	Ok
14	Q2431-02	FE054619.D	27 Jun 2025 18:25	YP\AJ	Not Ok
15	Q2431-03	FE054620.D	27 Jun 2025 18:55	YP\AJ	Ok
16	Q2431-04	FE054621.D	27 Jun 2025 19:25	YP\AJ	Ok
17	Q2431-05	FE054622.D	27 Jun 2025 19:56	YP\AJ	Not Ok
18	I.BLK	FE054623.D	27 Jun 2025 20:56	YP\AJ	Ok
19	20 PPM ALIPHATIC HC STD	FE054624.D	27 Jun 2025 22:57	YP\AJ	Ok,M

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE070725AL

Review By	yogesh	Review On	7/7/2025 11:20:48 AM
Supervise By	mohammad	Supervise On	7/8/2025 9:14:49 AM
SubDirectory	FE070725AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179		

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE070725AL

Review By	yogesh	Review On	7/7/2025 11:20:48 AM
Supervise By	mohammad	Supervise On	7/8/2025 9:14:49 AM
SubDirectory	FE070725AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179		

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

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE070825AL

Review By	yogesh	Review On	7/8/2025 10:46:47 AM
Supervise By		Supervise On	
SubDirectory	FE070825AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE054725.D	08 Jul 2025 06:03	YP\AJ	Ok
2	I.BLK	FE054726.D	08 Jul 2025 06:33	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE054727.D	08 Jul 2025 07:03	YP\AJ	Ok
4	Q2507-01DL	FE054728.D	08 Jul 2025 07:53	YP\AJ	Ok,NS
5	Q2507-02DL	FE054729.D	08 Jul 2025 08:24	YP\AJ	Ok
6	Q2487-11DL	FE054730.D	08 Jul 2025 08:54	YP\AJ	Ok
7	Q2487-13DL	FE054731.D	08 Jul 2025 09:24	YP\AJ	Ok
8	Q2487-14DL	FE054732.D	08 Jul 2025 09:55	YP\AJ	Ok
9	Q2487-15DL	FE054733.D	08 Jul 2025 10:25	YP\AJ	Ok
10	Q2487-16DL	FE054734.D	08 Jul 2025 10:56	YP\AJ	Ok
11	Q2513-01DL	FE054735.D	08 Jul 2025 11:26	YP\AJ	Ok,NS
12	Q2513-02DL	FE054736.D	08 Jul 2025 11:57	YP\AJ	Ok,NS
13	Q2513-03DL	FE054737.D	08 Jul 2025 12:27	YP\AJ	Ok
14	Q2513-04DL	FE054738.D	08 Jul 2025 12:58	YP\AJ	Not Ok
15	I.BLK	FE054739.D	08 Jul 2025 13:59	YP\AJ	Ok
16	20 PPM ALIPHATIC HC STD	FE054740.D	08 Jul 2025 14:30	YP\AJ	Ok
17	Q2486-05	FE054741.D	08 Jul 2025 15:00	YP\AJ	Ok
18	Q2486-06	FE054742.D	08 Jul 2025 15:31	YP\AJ	Ok
19	Q2486-07	FE054743.D	08 Jul 2025 16:02	YP\AJ	Ok
20	Q2504-03	FE054744.D	08 Jul 2025 16:33	YP\AJ	Ok
21	Q2504-04	FE054745.D	08 Jul 2025 17:03	YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE070825AL

Review By	yogesh	Review On	7/8/2025 10:46:47 AM
Supervise By		Supervise On	
SubDirectory	FE070825AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

22	Q2504-05	FE054746.D	08 Jul 2025 17:34	YP\AJ	Ok
23	Q2504-06	FE054747.D	08 Jul 2025 18:05	YP\AJ	Ok
24	Q2504-07	FE054748.D	08 Jul 2025 18:35	YP\AJ	Ok
25	I.BLK	FE054749.D	08 Jul 2025 19:37	YP\AJ	Ok
26	20 PPM ALIPHATIC HC STD	FE054750.D	08 Jul 2025 20:07	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC061825AL

Review By	yogesh	Review On	6/18/2025 1:05:10 PM
Supervise By	mohammad	Supervise On	6/20/2025 3:01:04 AM
SubDirectory	FC061825AL	HP Acquire Method	HP Processing Method FC061825AL

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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069219.D	18 Jun 2025 09:57		YP/AJ	Ok
2	I.BLK	I.BLK	FC069220.D	18 Jun 2025 10:37		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC069221.D	18 Jun 2025 11:17		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC069222.D	18 Jun 2025 11:58		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069223.D	18 Jun 2025 12:39		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC069224.D	18 Jun 2025 13:20		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC069225.D	18 Jun 2025 14:03		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069226.D	18 Jun 2025 14:45		YP/AJ	Ok
9	I.BLK	I.BLK	FC069227.D	18 Jun 2025 15:28		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069228.D	18 Jun 2025 16:12		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC070725AL

Review By	yogesh	Review On	7/7/2025 11:21:48 AM
Supervise By	mohammad	Supervise On	7/8/2025 9:14:55 AM
SubDirectory	FC070725AL	HP Acquire Method	HP Processing Method FC061825AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069373.D	07 Jul 2025 09:04		YP/AJ	Ok
2	I.BLK	I.BLK	FC069374.D	07 Jul 2025 09:49		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069375.D	07 Jul 2025 10:35		YP/AJ	Ok,M
4	PB168723BL	PB168723BL	FC069376.D	07 Jul 2025 11:22		YP/AJ	Ok
5	PB168723BS	PB168723BS	FC069377.D	07 Jul 2025 12:09		YP/AJ	Ok,M
6	PB168723BSD	PB168723BSD	FC069378.D	07 Jul 2025 12:57		YP/AJ	Ok,M
7	Q2493-01	WC-11	FC069379.D	07 Jul 2025 13:45		YP/AJ	Ok
8	Q2493-01D	Q2493-01D	FC069380.D	07 Jul 2025 14:33		YP/AJ	Ok
9	Q2493-01MS	WC-11MS	FC069381.D	07 Jul 2025 15:22	FC069379.D	YP/AJ	Ok,M
10	Q2493-01MSD	WC-11MSD	FC069382.D	07 Jul 2025 16:10	FC069379.D!FC069381.D	YP/AJ	Ok,M
11	Q2493-02	WC-11-EPH	FC069383.D	07 Jul 2025 17:01		YP/AJ	Ok
12	I.BLK	I.BLK	FC069384.D	07 Jul 2025 18:36		YP/AJ	Ok
13	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069385.D	07 Jul 2025 19:23		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE062725AL

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

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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE054606.D	27 Jun 2025 11:53		YP\AJ	Ok
2	I.BLK	I.BLK	FE054607.D	27 Jun 2025 12:23		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE054608.D	27 Jun 2025 12:53		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE054609.D	27 Jun 2025 13:23		YP\AJ	Ok,M
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054610.D	27 Jun 2025 13:53		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE054611.D	27 Jun 2025 14:23		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE054612.D	27 Jun 2025 14:54		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054613.D	27 Jun 2025 15:24		YP\AJ	Ok
9	I.BLK	I.BLK	FE054614.D	27 Jun 2025 15:54		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054615.D	27 Jun 2025 16:24		YP\AJ	Ok
11	Q2429-01	TP-4	FE054616.D	27 Jun 2025 16:54		YP\AJ	Ok
12	Q2429-02	TP-4-EPH	FE054617.D	27 Jun 2025 17:25		YP\AJ	Ok,M
13	Q2431-01	S-1	FE054618.D	27 Jun 2025 17:55		YP\AJ	Ok
14	Q2431-02	Q2431-02	FE054619.D	27 Jun 2025 18:25	Need to run again	YP\AJ	Not Ok
15	Q2431-03	S-3	FE054620.D	27 Jun 2025 18:55		YP\AJ	Ok
16	Q2431-04	S-4	FE054621.D	27 Jun 2025 19:25		YP\AJ	Ok
17	Q2431-05	Q2431-05	FE054622.D	27 Jun 2025 19:56	Need to run again	YP\AJ	Not Ok
18	I.BLK	I.BLK	FE054623.D	27 Jun 2025 20:56		YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE062725AL

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

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

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE070725AL

Review By	yogesh	Review On	7/7/2025 11:20:48 AM
Supervise By	mohammad	Supervise On	7/8/2025 9:14:49 AM
SubDirectory	FE070725AL	HP Acquire Method	HP Processing Method
			FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE054695.D	07 Jul 2025 08:46		YP\AJ	Ok
2	I.BLK	I.BLK	FE054696.D	07 Jul 2025 09:17		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054697.D	07 Jul 2025 09:47		YP\AJ	Ok,M
4	Q2480-05DL	GPX5DL	FE054698.D	07 Jul 2025 10:24		YP\AJ	Ok
5	Q2491-01	EO-1-070225	FE054699.D	07 Jul 2025 10:55	Need 10x	YP\AJ	Dilution
6	Q2491-02	EO-1-070225-E2	FE054700.D	07 Jul 2025 11:25	Need 10x	YP\AJ	Dilution
7	Q2491-01DL	EO-1-070225DL	FE054701.D	07 Jul 2025 11:56		YP\AJ	Ok
8	Q2491-02DL	EO-1-070225-E2DL	FE054702.D	07 Jul 2025 12:26		YP\AJ	Ok,M
9	I.BLK	I.BLK	FE054703.D	07 Jul 2025 13:27		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054704.D	07 Jul 2025 13:58		YP\AJ	Ok,M
11	Q2487-09	G4(0-6)	FE054705.D	07 Jul 2025 14:59		YP\AJ	Ok
12	Q2487-10	G4(6-12)	FE054706.D	07 Jul 2025 15:29		YP\AJ	Ok
13	Q2487-11	G3(0-6)	FE054707.D	07 Jul 2025 16:00	need 5x dilution	YP\AJ	Dilution
14	Q2487-12	G3(6-12)	FE054708.D	07 Jul 2025 16:30		YP\AJ	Ok
15	Q2487-13	G2(0-6)	FE054709.D	07 Jul 2025 17:01	need 2x dilution	YP\AJ	Dilution
16	Q2487-14	G2(6-12)	FE054710.D	07 Jul 2025 17:32	need 5x dilution	YP\AJ	Dilution
17	Q2487-15	G1(0-6)	FE054711.D	07 Jul 2025 18:02	need 5x dilution	YP\AJ	Dilution
18	Q2487-16	G1(6-12)	FE054712.D	07 Jul 2025 18:33	need 5x dilution	YP\AJ	Dilution

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE070725AL

Review By	yogesh	Review On	7/7/2025 11:20:48 AM
Supervise By	mohammad	Supervise On	7/8/2025 9:14:49 AM
SubDirectory	FE070725AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	I.BLK	I.BLK	FE054713.D	07 Jul 2025 19:34		YP\AJ	Ok
20	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054714.D	07 Jul 2025 20:35		YP\AJ	Ok,M
21	Q2503-03	GCAP2	FE054715.D	07 Jul 2025 21:05		YP\AJ	Ok
22	Q2503-04	GCAP3	FE054716.D	07 Jul 2025 21:36		YP\AJ	Ok
23	Q2507-01	SU-04-7.3-2025	FE054717.D	07 Jul 2025 22:06	need 5x dilution	YP\AJ	Dilution
24	Q2507-02	SU-04-7.3-2025-EPH	FE054718.D	07 Jul 2025 22:36	need 2x dilution	YP\AJ	Dilution
25	Q2513-01	HR-2-070325	FE054719.D	07 Jul 2025 23:07	need 10x dilution	YP\AJ	Dilution
26	Q2513-02	HR-2-070325-E2	FE054720.D	07 Jul 2025 23:37	need 10x dilution	YP\AJ	Dilution
27	Q2513-03	HR-3-070325	FE054721.D	08 Jul 2025 00:08	need 2x dilution	YP\AJ	Dilution
28	Q2513-04	HR-3-070325-E2	FE054722.D	08 Jul 2025 00:38	need 2x dilution	YP\AJ	Not Ok
29	I.BLK	I.BLK	FE054723.D	08 Jul 2025 01:39		YP\AJ	Ok
30	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054724.D	08 Jul 2025 02:09		YP\AJ	Ok,M

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE070825AL

Review By	yogesh	Review On	7/8/2025 10:46:47 AM
Supervise By		Supervise On	
SubDirectory	FE070825AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM			
ICV/I.BLK	PP24174,PP24179		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE054725.D	08 Jul 2025 06:03		YPIAJ	Ok
2	I.BLK	I.BLK	FE054726.D	08 Jul 2025 06:33		YPIAJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054727.D	08 Jul 2025 07:03		YPIAJ	Ok
4	Q2507-01DL	SU-04-7.3-2025DL	FE054728.D	08 Jul 2025 07:53		YPIAJ	Ok,NS
5	Q2507-02DL	SU-04-7.3-2025-EPHD	FE054729.D	08 Jul 2025 08:24		YPIAJ	Ok
6	Q2487-11DL	G3(0-6)DL	FE054730.D	08 Jul 2025 08:54		YPIAJ	Ok
7	Q2487-13DL	G2(0-6)DL	FE054731.D	08 Jul 2025 09:24		YPIAJ	Ok
8	Q2487-14DL	G2(6-12)DL	FE054732.D	08 Jul 2025 09:55		YPIAJ	Ok
9	Q2487-15DL	G1(0-6)DL	FE054733.D	08 Jul 2025 10:25		YPIAJ	Ok
10	Q2487-16DL	G1(6-12)DL	FE054734.D	08 Jul 2025 10:56		YPIAJ	Ok
11	Q2513-01DL	HR-2-070325DL	FE054735.D	08 Jul 2025 11:26		YPIAJ	Ok,NS
12	Q2513-02DL	HR-2-070325-E2DL	FE054736.D	08 Jul 2025 11:57		YPIAJ	Ok,NS
13	Q2513-03DL	HR-3-070325DL	FE054737.D	08 Jul 2025 12:27		YPIAJ	Ok
14	Q2513-04DL	HR-3-070325-E2DL	FE054738.D	08 Jul 2025 12:58		YPIAJ	Not Ok
15	I.BLK	I.BLK	FE054739.D	08 Jul 2025 13:59		YPIAJ	Ok
16	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054740.D	08 Jul 2025 14:30		YPIAJ	Ok
17	Q2486-05	3	FE054741.D	08 Jul 2025 15:00		YPIAJ	Ok
18	Q2486-06	4	FE054742.D	08 Jul 2025 15:31		YPIAJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE070825AL

Review By	yogesh	Review On	7/8/2025 10:46:47 AM
Supervise By		Supervise On	
SubDirectory	FE070825AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM			
ICV/I.BLK	PP24174,PP24179		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2486-07	5	FE054743.D	08 Jul 2025 16:02		YP\AJ	Ok
20	Q2504-03	1	FE054744.D	08 Jul 2025 16:33		YP\AJ	Ok
21	Q2504-04	2	FE054745.D	08 Jul 2025 17:03		YP\AJ	Ok
22	Q2504-05	3	FE054746.D	08 Jul 2025 17:34		YP\AJ	Ok
23	Q2504-06	4	FE054747.D	08 Jul 2025 18:05		YP\AJ	Ok
24	Q2504-07	5	FE054748.D	08 Jul 2025 18:35		YP\AJ	Ok
25	I.BLK	I.BLK	FE054749.D	08 Jul 2025 19:37		YP\AJ	Ok
26	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054750.D	08 Jul 2025 20:07		YP\AJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2487-01	G4 (1.5)	1	1.15	10.21	11.36	10.14	88.1	
Q2487-02	G4 (10)	2	1.19	10.38	11.57	8.76	72.9	
Q2487-03	G3 (9)	3	1.15	10.66	11.81	7.38	58.4	
Q2487-04	G3 (3)	4	1.15	10.80	11.95	10.8	89.4	
Q2487-05	G2 (2.5)	5	1.17	10.00	11.17	10.48	93.1	
Q2487-06	G2 (9)	6	1.16	10.26	11.42	8.00	66.7	
Q2487-07	G1 (4.5)	7	1.19	10.11	11.3	7.8	65.4	
Q2487-08	G1 (10)	8	1.16	9.96	11.12	6.65	55.1	
Q2487-09	G4 (0-6)	9	1.18	10.26	11.44	10.12	87.1	
Q2487-10	G4 (6-12)	10	1.16	10.14	11.3	8.52	72.6	
Q2487-11	G3 (0-6)	11	1.18	10.42	11.6	10.68	91.2	
Q2487-12	G3 (6-12)	12	1.18	10.41	11.59	8.49	70.2	
Q2487-13	G2 (0-6)	13	1.17	9.95	11.12	10.11	89.8	
Q2487-14	G2 (6-12)	14	1.16	10.68	11.84	8.39	67.7	
Q2487-15	G1 (0-6)	15	1.17	10.55	11.72	9.68	80.7	
Q2487-16	G1 (6-12)	16	1.13	10.24	11.37	10.68	93.3	
Q2501-05	SVOC-GPC-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q2501-06	PEST-GPC-BLANK	18	1.00	1.00	2.00	2.00	100.0	
Q2501-07	PEST-GPC-BLANK-SPIKE	19	1.00	1.00	2.00	2.00	100.0	
Q2501-08	PCB-GPC-BLANK	20	1.00	1.00	2.00	2.00	100.0	
Q2501-09	PCB-GPC-BLANK-SPIKE	21	1.00	1.00	2.00	2.00	100.0	
Q2501-10	SVOC-GPC-BLANK	22	1.00	1.00	2.00	2.00	100.0	
Q2501-11	PEST-GPC-BLANK	23	1.00	1.00	2.00	2.00	100.0	
Q2501-12	PEST-GPC-BLANK-SPIKE	24	1.00	1.00	2.00	2.00	100.0	
Q2501-13	PCB-GPC2-BLANK	25	1.00	1.00	2.00	2.00	100.0	
Q2501-14	PCB-GPC2-BLANK-SPIKE	26	1.00	1.00	2.00	2.00	100.0	
Q2503-03	GCAP2	27	1.18	10.65	11.83	8.76	71.2	
Q2503-04	GCAP3	28	1.18	10.64	11.82	8.16	65.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2503-05	GCAP2A	29	1.18	10.30	11.48	9.11	77.0	
Q2504-01	WASTE	30	1.14	10.73	11.87	10.16	84.1	
Q2504-02	VOC	31	1.18	10.81	11.99	10.45	85.8	
Q2504-03	1	32	1.14	10.84	11.98	10.36	85.1	
Q2504-04	2	33	1.19	10.41	11.6	9.91	83.8	
Q2504-05	3	34	1.13	10.75	11.88	10.22	84.6	
Q2504-06	4	35	1.14	10.52	11.66	10.03	84.5	
Q2504-07	5	36	1.12	10.87	11.99	10.16	83.2	
Q2505-01	#62825	37	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2505-02	#62525	38	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2505-03	#2008	39	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2507-01	SU-04-7.3-2025	40	1.17	10.26	11.43	10.1	87.0	
Q2507-02	SU-04-7.3-2025-EPH	41	1.18	10.30	11.48	9.99	85.5	
Q2507-03	SU-04-7.3-2025-VOC	42	1.13	10.45	11.58	9.95	84.4	
Q2508-01	AUD-25-0105	43	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2508-02	AUD-25-0106	44	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2508-03	AUD-25-0107	45	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2509-02	AUD-25-0112	46	1.00	1.00	2.00	2.00	100.0	oilly-debris
Q2510-01	#63025-A	47	1.15	11.63	12.78	10.79	82.9	
Q2510-02	#63025-A-VOC	48	1.18	10.19	11.37	9.86	85.2	
Q2513-01	HR-2-070325	49	1.18	9.89	11.07	10.51	94.3	
Q2513-02	HR-2-070325-E2	50	1.18	10.25	11.43	10.68	92.7	
Q2513-03	HR-3-070325	51	1.18	10.27	11.45	10.88	94.4	
Q2513-04	HR-3-070325-E2	52	1.14	10.67	11.81	11.23	94.6	
Q2514-01	TP-92	53	1.14	10.78	11.92	10.56	87.4	
Q2514-02	TP-93	54	1.19	10.71	11.9	10.58	87.7	
Q2514-03	TP-94	55	1.13	10.86	11.99	10.7	88.1	
Q2514-04	TP-96	56	1.14	11.10	12.24	10.66	85.8	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q2514-05	TP-97	57	1.16	10.02	11.18	9.68	85.0	
Q2514-06	TP-103	58	1.18	10.22	11.4	10.02	86.5	
Q2514-07	TP-36	59	1.15	10.78	11.93	10.88	90.3	
Q2514-08	TP-78	60	1.13	9.99	11.12	9.75	86.3	
Q2514-09	TP-81	61	1.16	10.50	11.66	10.22	86.3	
Q2514-10	TP-90	62	1.18	10.43	11.61	10.73	91.6	
Q2515-01	wc-1	63	1.15	10.31	11.46	10.17	87.5	

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

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

136368

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2487-01	G4(1.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-02	G4(10)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-03	G3(9)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-04	G3(3)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-05	G2(2.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-06	G2(9)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-07	G1(4.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-08	G1(10)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-09	G4(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-10	G4(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-11	G3(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-12	G3(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-13	G2(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-14	G2(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-15	G1(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-16	G1(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2501-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO

Date/Time 07/03/25 15:15

Raw Sample Received by: JDC

Raw Sample Relinquished by: JDC

Date/Time 07/03/25

Raw Sample Received by: JDC

Raw Sample Relinquished by: JDC

WORKLIST(Hardcopy Internal Chain)

136368

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2501-10	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-11	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-12	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2503-03	GCAP2	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	06/27/2025	Chemtech -SO
Q2503-04	GCAP3	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	07/02/2025	Chemtech -SO
Q2503-05	GCAP2A	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	07/02/2025	Chemtech -SO
Q2504-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2505-01	#62825	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2505-02	#62525	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2505-03	#2008	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2507-01	SU-04-7.3-2025	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO
Q2507-02	SU-04-7.3-2025-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO
Q2507-03	SU-04-7.3-2025-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO

Date/Time 07/03/25 15:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 07/03/25 17:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136368

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2508-01	AUD-25-0105	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2508-02	AUD-25-0106	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2508-03	AUD-25-0107	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2509-02	AUD-25-0112	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/03/2025	Chemtech -SO
Q2510-01	#63025-A	Solid	Percent Solids	Cool 4 deg C	PSEG05	O22	07/03/2025	Chemtech -SO
Q2510-02	#63025-A-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG05	O22	07/03/2025	Chemtech -SO
Q2513-01	HR-2-070325	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-02	HR-2-070325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-03	HR-3-070325	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-04	HR-3-070325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2514-01	TP-92	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-02	TP-93	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-03	TP-94	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-04	TP-96	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-05	TP-97	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-06	TP-103	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-07	TP-36	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-08	TP-78	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2514-09	TP-81	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2514-10	TP-90	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2515-01	wc-1	Solid	Percent Solids	Cool 4 deg C	ENVO01	O23	07/03/2025	Chemtech -SO

Date/Time 07/03/25 1515
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time

07/03/25

Raw Sample Received by:

TD (SM)

Raw Sample Relinquished by:

TD (SM)

SOP ID: MNJDEP-EPH-8

Clean Up SOP #: N/A **Extraction Start Date :** 07/03/2025

Matrix : Solid **Extraction Start Time :** 09:30

Wegh By: EH **Extraction By:** RJ **Extraction End Date :** 07/03/2025

Balance check: RJ **Filter By:** RJ **Extraction End Time :** 13:30

Balance ID: EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: N/A **Hood ID:** 3,7 **Supervisor By :** RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24625
Surrogate	1.0ML	100 PPM	PP24652
Fractionation Surrogate	1.0ML	100 PPM	PP24647
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2624
Sand	N/A	E2665
Hexane	N/A	E3947
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

KD Bath ID: N/A **Envap ID:** NEVAP-02

KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/2/25	RS(B4-bab)	Y-P-pest-IPCB
12:35	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-8

Concentration Date: 07/03/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168723BL	PB168723BL	EPH_NF	30.01	N/A	ritesh	Evelyn	2			U6-1
PB168723BS	PB168723BS	EPH_NF	30.02	N/A	ritesh	Evelyn	2			2
PB168723BSD	PB168723BSD	EPH_NF	30.01	N/A	ritesh	Evelyn	2			3
Q2487-09	G4(0-6)	EPH_NF	30.06	N/A	ritesh	Evelyn	2	B		4
Q2487-10	G4(6-12)	EPH_NF	30.08	N/A	ritesh	Evelyn	2	B		5
Q2487-11	G3(0-6)	EPH_NF	30.05	N/A	ritesh	Evelyn	2	B		6
Q2487-12	G3(6-12)	EPH_NF	30.03	N/A	ritesh	Evelyn	2	B		U1-1
Q2487-13	G2(0-6)	EPH_NF	30.07	N/A	ritesh	Evelyn	2	B		2
Q2487-14	G2(6-12)	EPH_NF	30.09	N/A	ritesh	Evelyn	2	B		3
Q2487-15	G1(0-6)	EPH_NF	30.02	N/A	ritesh	Evelyn	2	B		4
Q2487-16	G1(6-12)	EPH_NF	30.04	N/A	ritesh	Evelyn	2	B		5
Q2491-01	EO-1-070225	EPH_NF	30.08	N/A	ritesh	Evelyn	2	B		6
Q2491-02	EO-1-070225-E2	EPH_NF	30.03	N/A	ritesh	Evelyn	2			U2-1
Q2493-01	WC-11	EPH_NF	30.07	N/A	ritesh	Evelyn	2	B		2
Q2493-01DUP	WC-11DUP	EPH_NF	30.09	N/A	ritesh	Evelyn	2	B		3
Q2493-01MS	WC-11MS	EPH_NF	30.01	N/A	ritesh	Evelyn	2	B		4
Q2493-01MSD	WC-11MSD	EPH_NF	30.03	N/A	ritesh	Evelyn	2	B		5
Q2493-02	WC-11-EPH	EPH_NF	30.07	N/A	ritesh	Evelyn	2			6

* Extracts relinquished on the same date as received.

168725
9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2491NF WorkList ID : 190541 Department : Extraction Date : 07-03-2025 08:57:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2487-09	G4(0-6)	Solid	EPH_NF	Cool 4 deg C	WALS01	--Sele	07/01/2025	NJEPH
Q2487-10	G4(6-12)	Solid	EPH_NF	Cool 4 deg C	WALS01	--Sele	07/01/2025	NJEPH
Q2487-11	G3(0-6)	Solid	EPH_NF	Cool 4 deg C	WALS01	--Sele	07/01/2025	NJEPH
Q2487-12	G3(6-12)	Solid	EPH_NF	Cool 4 deg C	WALS01	--Sele	07/01/2025	NJEPH
Q2487-13	G2(0-6)	Solid	EPH_NF	Cool 4 deg C	WALS01	--Sele	07/01/2025	NJEPH
Q2487-14	G2(6-12)	Solid	EPH_NF	Cool 4 deg C	WALS01	--Sele	07/01/2025	NJEPH
Q2487-15	G1(0-6)	Solid	EPH_NF	Cool 4 deg C	WALS01	--Sele	07/01/2025	NJEPH
Q2487-16	G1(6-12)	Solid	EPH_NF	Cool 4 deg C	WALS01	--Sele	07/01/2025	NJEPH
Q2491-01	EO-1-070225	Solid	EPH_NF	Cool 4 deg C	PSEG03	A61	07/02/2025	NJEPH
Q2491-02	EO-1-070225-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	A61	07/02/2025	NJEPH
Q2493-01	WC-11	Solid	EPH_NF	Cool 4 deg C	PSEG03	A43	07/02/2025	NJEPH
Q2493-02	WC-11-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	A43	07/02/2025	NJEPH

Date/Time 7/3/25 9:25
Raw Sample Received by: RJ (Ext 666)
Raw Sample Relinquished by: [Signature]

Date/Time 7/3/25 9:55
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: RJ (Ext 666)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: **Walsh Construction**
ADDRESS: **150 Clare Rd, 11th Floor**
CITY **Little Falls** STATE: **NJ** ZIP: **07424**
ATTENTION: **Benie Dion Gokan**
PHONE: **646-285-7234** FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **Construction of Shafts (B488)**
PROJECT NO.: **220084** LOCATION: **Queens, NY**
PROJECT MANAGER: **Jesse Sylvestri**
e-mail: **jssylvestri@walshgroup.com**
PHONE: **201-681-9740** FAX:

CLIENT BILLING INFORMATION

BILL TO: **Walsh Construction** PO#:
ADDRESS: **150 Clare Rd, 11th Floor**
CITY **Little Falls** STATE: **NJ** ZIP: **07424**
ATTENTION: **Jesse Sylvestri** PHONE: **201-681-9740**

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

1. TCL VOCs + TLS
2. TCL SVCS + TLS
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100. TCL VOCs + TLS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES										COMMENTS
							F+E	E	E	E	E	E	E	E	E	E	
1.	G4(1.5)	Soil	X	7/1/25	1025	6	X										3x vials (temperature set)
2.	G4(10)		X		1045		X										+ 2x enclosures +
3.	G3(9)		X		1150		X										1x plastic
4.	G3(3)		X		1200		X										
5.	G2(2.5)		X		1325		X										
6.	G2(9)		X		1330		X										
7.	G1(4.5)		X		1430		X										
8.	G1(10)		X		1440		X										3x vials (temperature set)
9.	G4(0-6)		X		1100	7		X	X	X	X	X	X	X	X	X	1x 802 + 1x plastic
10.	G4(6-12)		X		1110			X	X	X	X	X	X	X	X	X	+ 2x 1x enclosure

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP
1. [Signature]	7/1/25 1600	1. Benie Dion Gokan	Comments: Full analyte list in B. Gokan email on 6/26/25 to J. Hedout
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	See Bottle Order # B2506068 & B2506069
2. Benie Dion Gokan	7-1-25 1600	2. [Signature]	Add'l analyses - Paint Filler, Organic Content by LOI, TS, TVS,
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Ammonia & Nitrogen, COD, O.I. & Grease
3. [Signature]	7-1-25	3. [Signature]	

Page **1** of **2**

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2487 **WALS01**

Order Date : 7/2/2025 10:05:00 AM

Project Mgr :

Client Name : Walsh Construction Compai

Project Name : Construction of Shafts 17B-

Report Type : Level 2

Client Contact : Jesse A. Sylvestri

Receive DateTime : 7/1/2025 4:00:00 PM

EDD Type : Excel NY

Invoice Name : Walsh Construction Compai

Purchase Order :

Hard Copy Date :

Invoice Contact : Jesse A. Sylvestri

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2487-01	G4(1.5)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2487-02	G4(10)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2487-03	G3(9)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2487-04	G3(3)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2487-05	G2(2.5)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2487-06	G2(9)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2487-07	G1(4.5)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2487-08	G1(10)	Solid	07/01/2025	10:25					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2487	WALS01	Order Date : 7/2/2025 10:05:00 AM	Project Mgr :
Client Name : Walsh Construction Compai		Project Name : Construction of Shafts 17B-	Report Type : Level 2
Client Contact : Jesse A. Sylvestri		Receive DateTime : 7/1/2025 4:00:00 PM	EDD Type : Excel NY
Invoice Name : Walsh Construction Compai		Purchase Order :	Hard Copy Date :
Invoice Contact : Jesse A. Sylvestri			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By :

Date / Time :

CH
7/2/25 15:45

Received By :

Date / Time :

Sam
07/02/25 15:45 *df #6*
#2

Storage Area : VOA Refridgerator Room