

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

LAB CHRONICLE

OrderID:	Q2868	OrderDate:	8/14/2025 9:08:00 AM
Client:	Sciacca General Contractors, LLC	Project:	507 Franklin Ave
Contact:	Rosanne Scirica	Location:	J23,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2868-03	1	Solid	EPH_F2	NJEPH	08/12/25	08/20/25	08/20/25	08/13/25
Q2868-03DL	1DL	Solid	EPH_F2	NJEPH	08/12/25	08/20/25	08/21/25	08/13/25
Q2868-04	2	Solid	EPH_F2	NJEPH	08/12/25	08/20/25	08/20/25	08/13/25
Q2868-04DL	2DL	Solid	EPH_F2	NJEPH	08/12/25	08/20/25	08/21/25	08/13/25
Q2868-05	3	Solid	EPH_F2	NJEPH	08/12/25	08/20/25	08/20/25	08/13/25
Q2868-05DL	3DL	Solid	EPH_F2	NJEPH	08/12/25	08/20/25	08/21/25	08/13/25
Q2868-06	4	Solid	EPH_F2	NJEPH	08/12/25	08/20/25	08/20/25	08/13/25
Q2868-06DL	4DL	Solid	EPH_F2	NJEPH	08/12/25	08/20/25	08/21/25	08/13/25
Q2868-07	5	Solid	EPH_F2	NJEPH	08/12/25	08/20/25	08/20/25	08/13/25
Q2868-07DL	5DL	Solid			08/12/25			08/13/25

LAB CHRONICLE

EPH_F2	NJEPH	08/20/25	08/21/25
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QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: SCIA01
Lab Code: ACE SDG No.: Q2868
Run Number: FE082025AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB169321BL	86	83		0
PB169321BS	100	94		0
PB169321BSD	103	96		0
1	132	103		0
2	122	105		0
3	113	90		0
4	117	87		0
5	129	101		0
5MS	116	96		0
5MSD	118	88		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: Alliance Contract: SCIA01
 Lab Code: ACE SDG No.: Q2868
 Run Number: FE082125AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
1DL	150 *	99		1
2DL	260 *	133		1
3DL	149 *	87		1
4DL	117	84		0
5DL	152 *	100		1

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_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Sciacca General Contractors, LLC</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2868</u>
Sample No :	<u>Q2868-07MS</u>	Datafile:	<u>FE055413.D</u>
		Client ID :	<u>5MS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	31.2	246	268	68		(40-140)
Aliphatic C9-C28	103.9	534	589	53		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	3.5	0.0000	2.9327	84		(40-140)
n-Decane (C10)	3.5	0.0000	6.4976	186	*	(40-140)
Naphthalene (C11.7)	3.5	0.0000	3.7576	107		(40-140)
n-Dodecane (C12)	3.5	0.0000	3.2037	92		(40-140)
2-methylnaphthalene (C12.89)	3.5	0.0000	3.4677	99		(40-140)
n-Tetradecane (C14)	3.5	0.0000	3.6822	105		(40-140)
n-Hexadecane (C16)	3.5	0.0000	5.4061	154	*	(40-140)
n-Octadecane (C18)	3.5	0.0000	3.8627	110		(40-140)
n-Eicosane (C20)	3.5	0.0000	12.4627	356	*	(40-140)
n-Heneicosane (C21)	3.5	0.0000	9.1723	262	*	(40-140)
n-Docosane (C22)	3.5	0.0000	5.6080	160	*	(40-140)
n-Tetracosane (C24)	6.9	0.0000	28.3504	411	*	(40-140)
n-Hexacosane (C26)	3.5	0.0000	6.2403	178	*	(40-140)
n-Octacosane (C28)	3.5	0.0000	26.8624	767	*	(40-140)
n-Tricontane (C30)	3.5	0.0000	5.2883	151	*	(40-140)
n-Dotriacontane (C32)	3.5	0.0000	12.3992	354	*	(40-140)
n-Tetratriacontane (C34)	3.5	0.0000	6.3668	182	*	(40-140)
n-Hexatriacontane (C36)	3.5	0.0000	14.5887	417	*	(40-140)
n-Octatriacontane (C38)	3.5	0.0000	6.8544	196	*	(40-140)
n-Tetracontane (C40)	3.5	0.0000	6.6076	189	*	(40-140)

SOLID EPH_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Sciacca General Contractors, LLC</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2868</u>
Sample No :	<u>Q2868-07MSD</u>	Datafile:	<u>FE055414.D</u>
		Client ID :	<u>5MSD</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	31.2	246	251	14	*	132 * (40-140)	50
Aliphatic C9-C28	103.9	534	540	6	*	161.6 * (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)	3.5	0.0000	2.8081	80		4.88 (40-140)	50
n-Decane (C10)	3.5	0.0000	6.1820	177	*	4.96 (40-140)	50
Naphthalene (C11.7)	3.5	0.0000	3.5532	102		4.78 (40-140)	50
n-Dodecane (C12)	3.5	0.0000	3.0459	87		5.59 (40-140)	50
2-methylnaphthalene (C12.89)	3.5	0.0000	3.2792	94		5.18 (40-140)	50
n-Tetradecane (C14)	3.5	0.0000	3.4821	99		5.88 (40-140)	50
n-Hexadecane (C16)	3.5	0.0000	5.0601	145	*	6.02 (40-140)	50
n-Octadecane (C18)	3.5	0.0000	3.6524	104		5.61 (40-140)	50
n-Eicosane (C20)	3.5	0.0000	11.5386	330	*	7.58 (40-140)	50
n-Heneicosane (C21)	3.5	0.0000	8.4637	242	*	7.94 (40-140)	50
n-Docosane (C22)	3.5	0.0000	5.2179	149	*	7.12 (40-140)	50
n-Tetracosane (C24)	6.9	0.0000	44.7562	649	*	44.91 (40-140)	50
n-Hexacosane (C26)	3.5	0.0000	5.7298	164	*	8.19 (40-140)	50
n-Octacosane (C28)	3.5	0.0000	24.7874	708	*	8 (40-140)	50
n-Tricontane (C30)	3.5	0.0000	4.9115	140		7.56 (40-140)	50
n-Dotriacontane (C32)	3.5	0.0000	11.4177	326	*	8.24 (40-140)	50
n-Tetratriacontane (C34)	3.5	0.0000	5.9010	169	*	7.41 (40-140)	50
n-Hexatriacontane (C36)	3.5	0.0000	13.6459	390	*	6.69 (40-140)	50
n-Octatriacontane (C38)	3.5	0.0000	6.0260	172	*	13.04 (40-140)	50
n-Tetracontane (C40)	3.5	0.0000	6.4320	184	*	2.68 (40-140)	50

SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Sciacca General Contractors, LLC</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2868</u>
Sample No :	<u>PB169321BS</u>	Datafile:	<u>FE055406.D</u>
		Client ID :	<u>PB169321BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	30.0	36.7	122		(40-140)
Aliphatic C9-C28	99.9	98.9	99		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	3.05054	92		(40-140)
n-Decane (C10)	3.3	3.20390	97		(40-140)
Naphthalene (C11.7)	3.3	3.45077	105		(40-140)
n-Dodecane (C12)	3.3	3.34282	101		(40-140)
2-methylnaphthalene (C12.89)	3.3	3.30358	100		(40-140)
n-Tetradecane (C14)	3.3	3.37589	102		(40-140)
n-Hexadecane (C16)	3.3	3.39671	103		(40-140)
n-Octadecane (C18)	3.3	3.38368	103		(40-140)
n-Eicosane (C20)	3.3	3.62724	110		(40-140)
n-Heneicosane (C21)	3.3	3.56378	108		(40-140)
n-Docosane (C22)	3.3	3.55663	108		(40-140)
n-Tetracosane (C24)	6.7	7.36822	110		(40-140)
n-Hexacosane (C26)	3.3	3.53796	107		(40-140)
n-Octacosane (C28)	3.3	3.56630	108		(40-140)
n-Tricontane (C30)	3.3	3.47838	105		(40-140)
n-Dotriacontane (C32)	3.3	3.52955	107		(40-140)
n-Tetratriacontane (C34)	3.3	3.80146	115		(40-140)
n-Hexatriacontane (C36)	3.3	3.90694	118		(40-140)
n-Octatriacontane (C38)	3.3	3.89170	118		(40-140)
n-Tetracontane (C40)	3.3	3.82318	116		(40-140)

SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Sciacca General Contractors, LLC</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q2868</u>
Sample No :	<u>PB169321BSD</u>	Datafile:	<u>FE055407.D</u>
		Client ID :	<u>PB169321BSD</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aliphatic C28-C40	30.0	35.6	118		2.7 (40-140)	25
Aliphatic C9-C28	100.1	102	102		3.4 (40-140)	25

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS(%)	QC Limit Of RPD
n-Hexatriacontane (C36)	3.3	3.47145	105		11.66 (40-140)	25
n-Octatriacontane (C38)	3.3	3.17490	96		20.56 (40-140)	25
n-Tetracontane (C40)	3.3	3.00030	91		24.15 (40-140)	25
n-Nonane (C9)	3.3	3.15057	95		3.21 (40-140)	25
n-Decane (C10)	3.3	3.30710	100		3.05 (40-140)	25
Naphthalene (C11.7)	3.3	3.56245	108		2.82 (40-140)	25
n-Dodecane (C12)	3.3	3.44598	104		2.93 (40-140)	25
2-methylnaphthalene (C12.89)	3.3	3.40695	103		2.96 (40-140)	25
n-Tetradecane (C14)	3.3	3.47819	105		2.9 (40-140)	25
n-Hexadecane (C16)	3.3	3.49623	106		2.87 (40-140)	25
n-Octadecane (C18)	3.3	3.48454	106		2.87 (40-140)	25
n-Eicosane (C20)	3.3	3.74479	113		2.69 (40-140)	25
n-Heneicosane (C21)	3.3	3.68123	112		3.64 (40-140)	25
n-Docosane (C22)	3.3	3.67300	111		2.74 (40-140)	25
n-Tetracosane (C24)	6.7	7.62917	114		3.57 (40-140)	25
n-Hexacosane (C26)	3.3	3.65214	111		3.67 (40-140)	25
n-Octacosane (C28)	3.3	3.68458	112		3.64 (40-140)	25
n-Tricontane (C30)	3.3	3.59165	109		3.74 (40-140)	25
n-Dotriacontane (C32)	3.3	3.56511	108		0.93 (40-140)	25
n-Tetratriacontane (C34)	3.3	3.66263	111		3.54 (40-140)	25

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB169321BL

Lab Name: Alliance

Contract: SCIA01

Lab Code: ACE

SDG NO.: Q2868

Instrument ID: FID_E

Lab Sample ID: PB169321BL

Matrix: (soil/water) Solid

Date Extracted: 8/20/2025 8:15:00 A

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB169321BS	PB169321BS
PB169321BSD	PB169321BSD
1	Q2868-03
2	Q2868-04
3	Q2868-05
4	Q2868-06
5	Q2868-07
5MS	Q2868-07MS
5MSD	Q2868-07MSD

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/12/25
Project:	507 Franklin Ave	Date Received:	08/13/25
Client Sample ID:	1	SDG No.:	Q2868
Lab Sample ID:	Q2868-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_F2

Prep Date :	Date Analyzed :	Prep Batch ID
08/20/25 08:15	08/21/25 10:11	PB169321

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	495		10	9.80	43.2	mg/kg	FE055420.D
Total EPH	Total EPH	495			9.80	43.2	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/12/25
Project:	507 Franklin Ave	Date Received:	08/13/25
Client Sample ID:	1	SDG No.:	Q2868
Lab Sample ID:	Q2868-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055408.D	1	08/20/25	08/20/25	PB169321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	504	E	0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	212	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	65.9		40 - 140	132%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	51.6		40 - 140	103%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2868-03	Acq On:	20 Aug 2025 13:33
Client Sample ID:	1	Operator:	YP\AJ
Data file:	FE055408.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	3.321	6.956	3242387	27.764	300	ug/ml
Aliphatic C12-C16	6.957	10.409	41749971	333.394	200	ug/ml
Aliphatic C16-C21	10.410	13.790	419902126	3320	300	ug/ml
Aliphatic C21-C28	13.791	17.463	403133420	3350	400	ug/ml
Aliphatic C28-C40	17.464	22.490	337899334	2960	600	ug/ml
Aliphatic EPH	3.321	22.490	1205927238	9990		ug/ml
ortho-Terphenyl (SURR)	12.094	12.094	7371532	51.62		ug/ml
1-chlorooctadecane (SURR)	13.527	13.527	7086226	65.9		ug/ml
Aliphatic C9-C28	3.321	17.463	868027904	7030	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
 Data File : FE055408.D
 Signal(s) : FID1B.ch
 Acq On : 20 Aug 2025 13:33
 Operator : YP\AJ
 Sample : Q2868-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 1

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

08/21/2025
 Supervised By :mohammad
 ahmed

08/22/2025

Integration File: autoint1.e
 Quant Time: Aug 21 01:18:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.094	7371532	51.620 ug/ml
Spiked Amount 50.000		Recovery =	103.24%
12) S 1-chlorooctadecane (S...	13.527	7086226	65.904 ug/mlm
Spiked Amount 50.000		Recovery =	131.81%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
Data File : FE055408.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 13:33
Operator : YP\AJ
Sample : Q2868-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
1

Manual Integrations
APPROVED

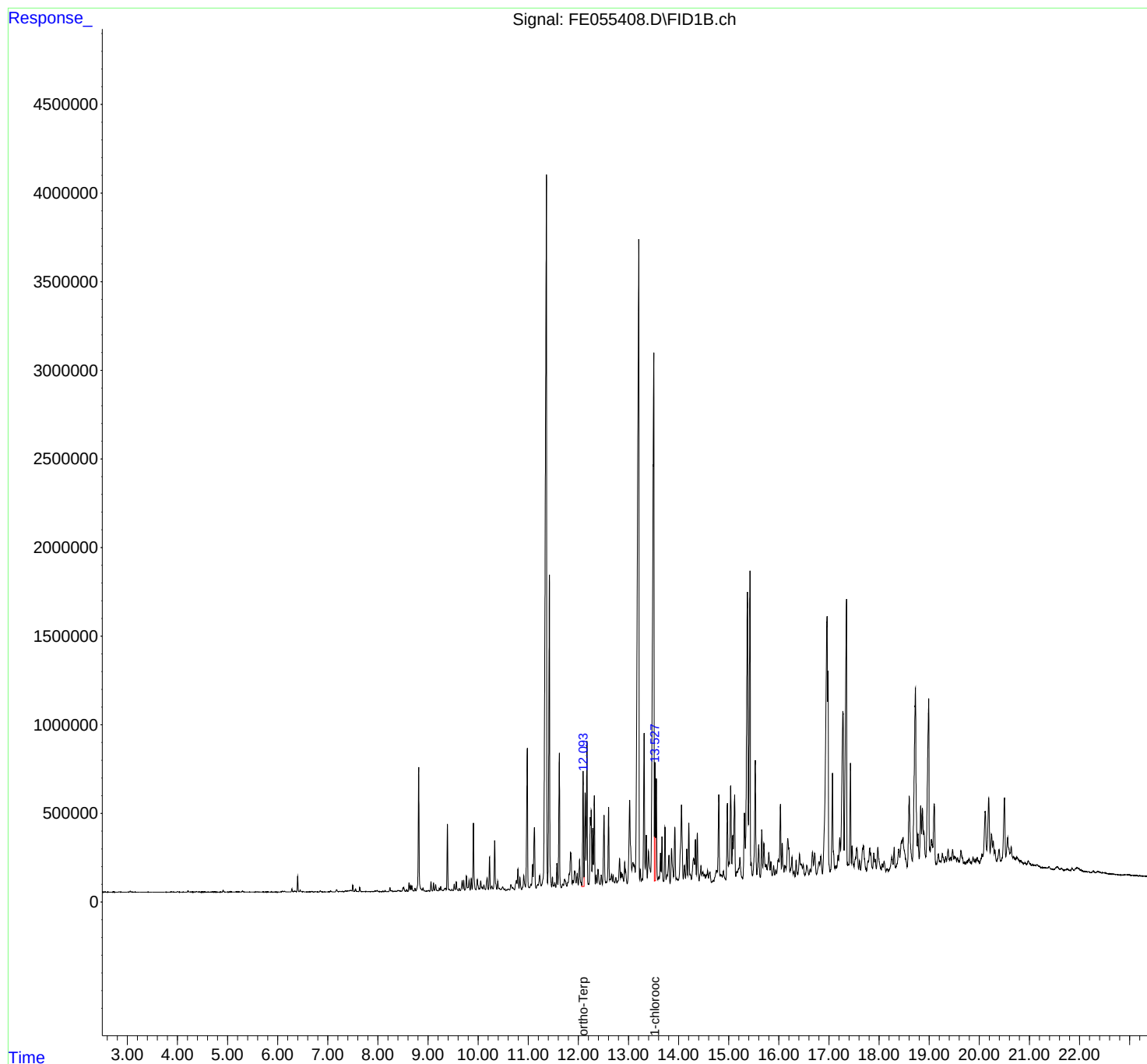
Reviewed By :Yogesh
Patel

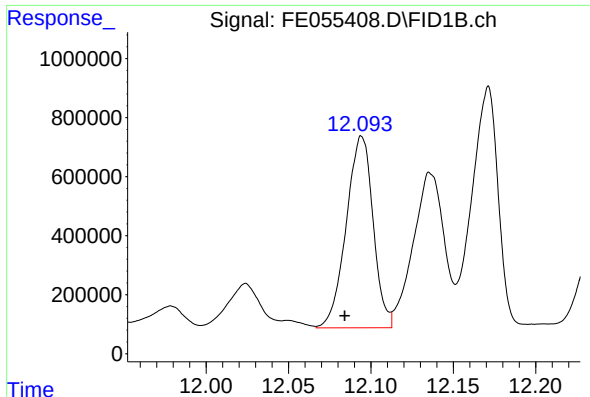
08/21/2025
Supervised By :mohammad
ahmed

08/22/2025

Integration File: autoint1.e
Quant Time: Aug 21 01:18:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#9 ortho-Terphenyl (SURR)

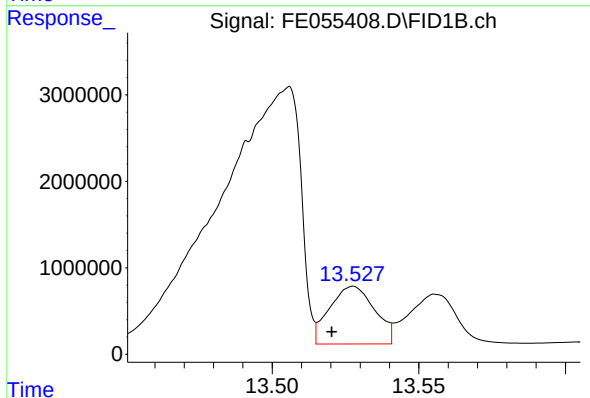
R.T.: 12.094 min
Delta R.T.: 0.010 min
Response: 7371532
Conc: 51.62 ug/ml

Instrument :
FID_E
ClientSampleId :
1

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

08/21/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.527 min
Delta R.T.: 0.007 min
Response: 7086226
Conc: 65.90 ug/ml m

Supervised By :mohammad
ahmed

08/22/2025

Instrument :

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1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE08202
Data File : FE055408.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 13:33
Sample : Q2868-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Reviewed By :Yogesh Patel 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.835	2.804	2.895	BV	2074	38206	0.05%	0.003%
2	2.923	2.895	2.941	VV	169	3272	0.00%	0.000%
3	2.951	2.941	3.011	VV	113	4837	0.01%	0.000%
4	3.056	3.011	3.098	VV	5377	84565	0.11%	0.007%
5	3.112	3.098	3.138	VV	859	12989	0.02%	0.001%
6	3.157	3.138	3.231	VV	437	13160	0.02%	0.001%
7	3.234	3.231	3.248	VV	209	1400	0.00%	0.000%
8	3.278	3.248	3.288	VV	290	5289	0.01%	0.000%
9	3.297	3.288	3.373	VV	272	8534	0.01%	0.001%
10	3.416	3.373	3.455	VV	424	11865	0.02%	0.001%
11	3.463	3.455	3.488	VV	247	3295	0.00%	0.000%
12	3.496	3.488	3.517	VV	144	1677	0.00%	0.000%
13	3.542	3.517	3.571	PV	430	8364	0.01%	0.001%
14	3.595	3.571	3.621	VV	468	11325	0.01%	0.001%
15	3.633	3.621	3.681	VV	333	10255	0.01%	0.001%
16	3.687	3.681	3.695	VV	204	1617	0.00%	0.000%
17	3.710	3.695	3.734	VV	269	5292	0.01%	0.000%
18	3.774	3.734	3.804	VV	679	14564	0.02%	0.001%
19	3.810	3.804	3.838	VV	212	3525	0.00%	0.000%
20	3.875	3.838	3.984	VV	2229	55542	0.07%	0.005%
21	4.003	3.984	4.084	VV	3931	61407	0.08%	0.005%
22	4.108	4.084	4.160	VV	494	12611	0.02%	0.001%
23	4.211	4.160	4.246	VV	8100	96687	0.12%	0.008%
24	4.262	4.246	4.301	VV	2001	32562	0.04%	0.003%
25	4.333	4.301	4.349	VV	2363	30348	0.04%	0.003%
26	4.380	4.349	4.410	VV	4230	73358	0.09%	0.006%
27	4.422	4.410	4.504	VV	2105	47273	0.06%	0.004%
28	4.532	4.504	4.603	VV	535	18127	0.02%	0.001%
29	4.615	4.603	4.628	VV	295	3322	0.00%	0.000%
30	4.641	4.628	4.651	VV	309	3429	0.00%	0.000%
31	4.676	4.651	4.697	VV	667	10444	0.01%	0.001%
32	4.723	4.697	4.736	VV	427	6939	0.01%	0.001%
33	4.752	4.736	4.771	VV	385	5921	0.01%	0.000%
34	4.787	4.771	4.821	VV	371	7520	0.01%	0.001%
35	4.845	4.821	4.877	VV	498	9510	0.01%	0.001%
36	4.912	4.877	4.980	VV	11420	159374	0.20%	0.013%

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37	4.990	4.980	5.027	VV	680	13528	0.02%	0.001%
38	5.056	5.027	5.113	VV	3152	58434		
39	5.132	5.113	5.140	VV	785	9887		
40	5.173	5.140	5.255	VV	2408	98300		
41	5.299	5.255	5.355	VV	6662	122786		
42	5.383	5.355	5.407	VV	868	21156		
43	5.440	5.407	5.458	VV	847	18604	0.02%	0.002%
44	5.472	5.458	5.485	VV	419	6379	0.01%	0.001%
45	5.500	5.485	5.511	VV	525	7386	0.01%	0.001%
46	5.527	5.511	5.546	VV	665	9498	0.01%	0.001%
47	5.569	5.546	5.577	VV	1552	18433	0.02%	0.002%
48	5.591	5.577	5.610	VV	1989	28132	0.04%	0.002%
49	5.625	5.610	5.680	VV	1542	28967	0.04%	0.002%
50	5.690	5.680	5.714	VV	430	5498	0.01%	0.000%
51	5.729	5.714	5.743	VV	657	7554	0.01%	0.001%
52	5.759	5.743	5.795	VV	813	11402	0.01%	0.001%
53	5.820	5.795	5.834	PV	672	8290	0.01%	0.001%
54	5.873	5.834	5.909	VV	1778	32659	0.04%	0.003%
55	5.932	5.909	5.954	VV	493	6330	0.01%	0.001%
56	6.011	5.954	6.038	VV	625	11368	0.01%	0.001%
57	6.094	6.038	6.116	VV	6022	106721	0.14%	0.009%
58	6.135	6.116	6.200	VV	5299	108815	0.14%	0.009%
59	6.211	6.200	6.224	VV	992	12581	0.02%	0.001%
60	6.238	6.224	6.260	VV	1158	21530	0.03%	0.002%
61	6.284	6.260	6.314	VV	18549	212766	0.27%	0.018%
62	6.332	6.314	6.346	VV	6346	80287	0.10%	0.007%
63	6.356	6.346	6.375	VV	5043	65108	0.08%	0.005%
64	6.398	6.375	6.429	VV	89530	890226	1.14%	0.073%
65	6.450	6.429	6.491	VV	10878	166346	0.21%	0.014%
66	6.511	6.491	6.538	VV	3361	50137	0.06%	0.004%
67	6.555	6.538	6.578	VV	724	13748	0.02%	0.001%
68	6.588	6.578	6.602	VV	542	6994	0.01%	0.001%
69	6.622	6.602	6.650	VV	1559	30159	0.04%	0.002%
70	6.669	6.650	6.728	VV	2264	61983	0.08%	0.005%
71	6.749	6.728	6.785	VV	2551	45209	0.06%	0.004%
72	6.800	6.785	6.830	VV	1233	22133	0.03%	0.002%
73	6.850	6.830	6.907	VV	7280	103826	0.13%	0.009%
74	6.926	6.907	6.951	VV	795	13074	0.02%	0.001%
75	6.965	6.951	6.996	VV	627	11616	0.01%	0.001%
76	7.013	6.996	7.038	VV	999	11008	0.01%	0.001%
77	7.055	7.038	7.127	PV	7085	94793	0.12%	0.008%
78	7.175	7.127	7.220	PV	12521	224090	0.29%	0.018%
79	7.242	7.220	7.262	VV	3630	58720	0.08%	0.005%
80	7.288	7.262	7.320	VV	4297	71693	0.09%	0.006%
81	7.348	7.320	7.359	VV	5830	79726	0.10%	0.007%
82	7.371	7.359	7.385	VV	5724	81884	0.10%	0.007%
83	7.403	7.385	7.424	VV	5795	129093	0.17%	0.011%
84	7.451	7.424	7.480	VV	8116	237892	0.30%	0.020%
85	7.499	7.480	7.525	VV	37875	414600	0.53%	0.034%
86	7.554	7.525	7.587	VV	17213	234403	0.30%	0.019%
87	7.600	7.587	7.616	VV	2396	32227	0.04%	0.003%
88	7.638	7.616	7.669	VV	25414	281404	0.36%	0.023%
89	7.677	7.669	7.694	VV	1897	20333	0.03%	0.002%

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90	7.711	7.694	7.723	VV	1943	23058	0.03%	0.002%
91	7.737	7.723	7.749	VV	2181	23905		
92	7.761	7.749	7.784	VV	1921	27315		
93	7.804	7.784	7.818	VV	1245	17128		
94	7.836	7.818	7.847	VV	1652	19493		
95	7.859	7.847	7.874	VV	1617	20342		
96	7.887	7.874	7.920	VV	1873	30086	0.04%	0.002%
97	7.941	7.920	7.956	VV	6545	76580	0.10%	0.006%
98	7.986	7.956	8.046	VV	7667	149478	0.19%	0.012%
99	8.060	8.046	8.078	VV	1180	11146	0.01%	0.001%
100	8.098	8.078	8.126	VV	4410	52097	0.07%	0.004%
101	8.144	8.126	8.173	VV	6410	64189	0.08%	0.005%
102	8.191	8.173	8.208	PV	1031	10086	0.01%	0.001%
103	8.241	8.208	8.310	PV	22908	370163	0.47%	0.030%
104	8.344	8.310	8.362	VV	3081	47773	0.06%	0.004%
105	8.402	8.362	8.415	VV	6411	116707	0.15%	0.010%
106	8.427	8.415	8.454	VV	5914	96800	0.12%	0.008%
107	8.516	8.454	8.552	VV	22295	520395	0.67%	0.043%
108	8.572	8.552	8.595	VV	11620	133556	0.17%	0.011%
109	8.621	8.595	8.637	VV	50586	547224	0.70%	0.045%
110	8.650	8.637	8.663	VV	33042	349061	0.45%	0.029%
111	8.677	8.663	8.721	VV	32145	437145	0.56%	0.036%
112	8.740	8.721	8.759	VV	18055	211636	0.27%	0.017%
113	8.813	8.759	8.882	VV	704808	8476031	10.86%	0.698%
114	8.900	8.882	8.963	VV	19848	280956	0.36%	0.023%
115	8.988	8.963	8.997	VV	2155	25643	0.03%	0.002%
116	9.012	8.997	9.035	VV	3836	50460	0.06%	0.004%
117	9.059	9.035	9.088	VV	53172	560457	0.72%	0.046%
118	9.110	9.088	9.129	VV	46115	461265	0.59%	0.038%
119	9.152	9.129	9.202	VV	36646	508144	0.65%	0.042%
120	9.224	9.202	9.237	VV	17016	187871	0.24%	0.015%
121	9.252	9.237	9.291	VV	25139	348399	0.45%	0.029%
122	9.349	9.291	9.364	VV	17091	422831	0.54%	0.035%
123	9.387	9.364	9.412	VV	377875	3796827	4.86%	0.313%
124	9.422	9.412	9.452	VV	10576	159217	0.20%	0.013%
125	9.476	9.452	9.497	VV	8848	125782	0.16%	0.010%
126	9.523	9.497	9.544	VV	38106	447686	0.57%	0.037%
127	9.565	9.544	9.603	VV	52354	648863	0.83%	0.053%
128	9.622	9.603	9.643	VV	14936	163075	0.21%	0.013%
129	9.681	9.643	9.698	VV	57151	807281	1.03%	0.067%
130	9.713	9.698	9.734	VV	58579	608779	0.78%	0.050%
131	9.766	9.734	9.789	VV	84548	1086999	1.39%	0.090%
132	9.819	9.789	9.841	VV	59729	879200	1.13%	0.072%
133	9.862	9.841	9.881	VV	69598	781245	1.00%	0.064%
134	9.905	9.881	9.957	VV	378106	4631019	5.93%	0.382%
135	9.983	9.957	10.016	VV	63184	1045774	1.34%	0.086%
136	10.026	10.016	10.030	VV	12912	98339	0.13%	0.008%
137	10.051	10.030	10.071	VV	54772	765268	0.98%	0.063%
138	10.080	10.071	10.095	VV	21206	227322	0.29%	0.019%
139	10.115	10.095	10.147	VV	31092	503463	0.65%	0.041%
140	10.179	10.147	10.203	VV	71125	1167368	1.50%	0.096%
141	10.228	10.203	10.254	VV	190381	2135715	2.74%	0.176%

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rteres								
142	10.273	10.254	10.297	VV	25074	435340	0.56%	0.036%
143	10.331	10.297	10.373	VV	281901	3752205		
144	10.392	10.373	10.449	VV	51776	822302		
145	10.490	10.449	10.517	VV	20164	455037		
146	10.529	10.517	10.553	VV	7976	96792		
147	10.601	10.553	10.630	PV	7432	164586		
148	10.654	10.630	10.682	VV	32148	551441	0.71%	0.045%
149	10.693	10.682	10.722	VV	14789	226289	0.29%	0.019%
150	10.763	10.722	10.775	VV	54657	975939	1.25%	0.080%
151	10.794	10.775	10.816	VV	118500	1612273	2.07%	0.133%
152	10.835	10.816	10.869	VV	70122	959936	1.23%	0.079%
153	10.911	10.869	10.944	VV	81831	1472698	1.89%	0.121%
154	10.980	10.944	11.021	VV	794511	10512294	13.47%	0.866%
155	11.053	11.021	11.063	VV	29495	514542	0.66%	0.042%
156	11.086	11.063	11.098	VV	140532	1707873	2.19%	0.141%
157	11.123	11.098	11.158	VV	352358	5640872	7.23%	0.465%
158	11.227	11.158	11.257	VV	77581	2103616	2.70%	0.173%
159	11.361	11.257	11.386	VV	3882828	77704400	99.55%	6.402%
160	11.422	11.386	11.466	VV	1739733	22208653	28.45%	1.830%
161	11.483	11.466	11.504	VV	66880	791101	1.01%	0.065%
162	11.530	11.504	11.549	VV	35064	575456	0.74%	0.047%
163	11.572	11.549	11.590	VV	143710	1667990	2.14%	0.137%
164	11.620	11.590	11.660	VV	776349	9285023	11.90%	0.765%
165	11.689	11.660	11.704	VV	26228	479398	0.61%	0.039%
166	11.726	11.704	11.770	VV	53431	1370232	1.76%	0.113%
167	11.846	11.770	11.877	VV	204859	5560338	7.12%	0.458%
168	11.891	11.877	11.903	VV	43875	569904	0.73%	0.047%
169	11.925	11.903	11.954	VV	98588	2073884	2.66%	0.171%
170	11.978	11.954	11.997	VV	84036	1336757	1.71%	0.110%
171	12.024	11.997	12.068	VV	160502	2704767	3.47%	0.223%
172	12.094	12.068	12.113	VV	661223	7623793	9.77%	0.628%
173	12.136	12.113	12.152	VV	532470	7071920	9.06%	0.583%
174	12.171	12.152	12.198	VV	826988	9363691	12.00%	0.771%
175	12.255	12.198	12.271	VV	438051	9210149	11.80%	0.759%
176	12.287	12.271	12.300	VV	336369	3915556	5.02%	0.323%
177	12.318	12.300	12.339	VV	518711	6139088	7.87%	0.506%
178	12.354	12.339	12.371	VV	70535	898344	1.15%	0.074%
179	12.393	12.371	12.434	VV	103161	1983448	2.54%	0.163%
180	12.457	12.434	12.478	VV	71628	1133279	1.45%	0.093%
181	12.511	12.478	12.545	VV	409043	6371403	8.16%	0.525%
182	12.603	12.545	12.644	VV	446251	6738858	8.63%	0.555%
183	12.661	12.644	12.679	VV	71870	1146074	1.47%	0.094%
184	12.694	12.679	12.726	VV	68206	1181279	1.51%	0.097%
185	12.747	12.726	12.770	VV	54756	991577	1.27%	0.082%
186	12.822	12.770	12.842	VV	159418	3161217	4.05%	0.260%
187	12.855	12.842	12.868	VV	83712	1087045	1.39%	0.090%
188	12.878	12.868	12.904	VV	73597	1191763	1.53%	0.098%
189	12.924	12.904	12.974	VV	140977	3000907	3.84%	0.247%
190	13.023	12.974	13.066	VV	492349	11001279	14.09%	0.906%
191	13.088	13.066	13.133	VV	137363	4747106	6.08%	0.391%
192	13.203	13.133	13.223	VV	3586963	78053184	100.00%	6.431%
193	13.236	13.223	13.256	VV	97400	1224664	1.57%	0.101%
194	13.312	13.256	13.334	VV	857189	12046412	15.43%	0.993%

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0.56% 0.036%

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195	13.355	13.334	13.375	VV	286873	3989931	5.11%	0.329%
196	13.399	13.375	13.441	VV	197646	4761267		
197	13.503	13.441	13.518	VV	2991715	60469078		
198	13.528	13.518	13.542	VV	695917	7246121		
199	13.556	13.542	13.587	VV	604040	7286474		
200	13.605	13.587	13.618	VV	51527	821159		
201	13.638	13.618	13.651	VV	184810	2328008	2.98%	0.192%
202	13.669	13.651	13.703	VV	275521	3822319	4.90%	0.315%
203	13.729	13.703	13.753	VV	332916	4197435	5.38%	0.346%
204	13.807	13.753	13.830	VV	172363	3723564	4.77%	0.307%
205	13.860	13.830	13.899	VV	209334	4287106	5.49%	0.353%
206	13.925	13.899	13.994	VV	329665	5943344	7.61%	0.490%
207	14.058	13.994	14.094	VV	452710	10745356	13.77%	0.885%
208	14.116	14.094	14.138	VV	112534	1951869	2.50%	0.161%
209	14.163	14.138	14.182	VV	204654	3141958	4.03%	0.259%
210	14.204	14.182	14.256	VV	347986	5480674	7.02%	0.452%
211	14.299	14.256	14.318	VV	145940	3908764	5.01%	0.322%
212	14.336	14.318	14.354	VV	253258	3543820	4.54%	0.292%
213	14.374	14.354	14.410	VV	294067	4282127	5.49%	0.353%
214	14.447	14.410	14.464	VV	106926	2091696	2.68%	0.172%
215	14.486	14.464	14.505	VV	70309	1510424	1.94%	0.124%
216	14.518	14.505	14.536	VV	54534	922515	1.18%	0.076%
217	14.579	14.536	14.597	VV	79625	1996960	2.56%	0.165%
218	14.624	14.597	14.655	VV	70080	1626687	2.08%	0.134%
219	14.690	14.655	14.703	VV	24299	493643	0.63%	0.041%
220	14.759	14.703	14.771	VV	77362	2193335	2.81%	0.181%
221	14.803	14.771	14.841	VV	507928	8090532	10.37%	0.667%
222	14.853	14.841	14.873	VV	51968	928869	1.19%	0.077%
223	14.893	14.873	14.941	VV	74060	1880054	2.41%	0.155%
224	14.973	14.941	14.995	VV	458619	6667918	8.54%	0.549%
225	15.006	14.995	15.014	VV	122286	1294786	1.66%	0.107%
226	15.039	15.014	15.064	VV	550477	9293668	11.91%	0.766%
227	15.081	15.064	15.092	VV	271846	3460218	4.43%	0.285%
228	15.117	15.092	15.142	VV	495120	8423018	10.79%	0.694%
229	15.223	15.142	15.278	VV	147568	5866208	7.52%	0.483%
230	15.314	15.278	15.332	VV	393961	6609548	8.47%	0.545%
231	15.373	15.332	15.395	VV	1630815	32581291	41.74%	2.684%
232	15.424	15.395	15.474	VV	1734543	27522499	35.26%	2.268%
233	15.529	15.474	15.560	VV	695585	12233565	15.67%	1.008%
234	15.598	15.560	15.630	VV	215660	4425035	5.67%	0.365%
235	15.659	15.630	15.680	VV	298145	4371145	5.60%	0.360%
236	15.702	15.680	15.734	VV	221588	4571973	5.86%	0.377%
237	15.746	15.734	15.766	VV	99835	1770048	2.27%	0.146%
238	15.800	15.766	15.824	VV	165319	3956444	5.07%	0.326%
239	15.841	15.824	15.867	VV	117429	2050850	2.63%	0.169%
240	15.895	15.867	15.919	VV	96063	1995677	2.56%	0.164%
241	15.938	15.919	15.954	VV	70868	1211092	1.55%	0.100%
242	15.990	15.954	16.004	VV	127560	2990562	3.83%	0.246%
243	16.031	16.004	16.051	VV	440438	6824469	8.74%	0.562%
244	16.067	16.051	16.103	VV	219722	3898532	4.99%	0.321%
245	16.120	16.103	16.144	VV	90958	1997045	2.56%	0.165%
246	16.179	16.144	16.221	VV	246006	7430702	9.52%	0.612%

Instrument :

FID_E

ClientSampleId :

1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

				rters			
247	16.262	16.221	16.286	VV	139443	3330060	4.27% 0.274%
248	16.304	16.286	16.323	VV	60415	1087861	
249	16.345	16.323	16.378	VV	121603	2307073	
250	16.412	16.378	16.471	VV	156074	5464049	
251	16.487	16.471	16.517	VV	93689	1892204	
252	16.559	16.517	16.600	VV	86675	2973478	
253	16.624	16.600	16.639	VV	70415	1351682	1.73% 0.111%
254	16.670	16.639	16.692	VV	164588	3621967	4.64% 0.298%
255	16.716	16.692	16.752	VV	158592	3675714	4.71% 0.303%
256	16.802	16.752	16.816	VV	106216	2981419	3.82% 0.246%
257	16.837	16.816	16.870	VV	138569	3257584	4.17% 0.268%
258	16.960	16.870	17.022	VV	1479020	52518385	67.29% 4.327%
259	17.071	17.022	17.114	VV	607302	11332837	14.52% 0.934%
260	17.124	17.114	17.134	VV	81500	936270	1.20% 0.077%
261	17.147	17.134	17.157	VV	80582	1060173	1.36% 0.087%
262	17.180	17.157	17.192	VV	143836	2434293	3.12% 0.201%
263	17.216	17.192	17.232	VV	240465	4447944	5.70% 0.366%
264	17.279	17.232	17.303	VV	943723	23607185	30.24% 1.945%
265	17.348	17.303	17.391	VV	1528180	30910614	39.60% 2.547%
266	17.430	17.391	17.448	VV	667427	9739108	12.48% 0.802%
267	17.462	17.448	17.501	VV	193170	4013930	5.14% 0.331%
268	17.556	17.501	17.592	VV	176868	6804822	8.72% 0.561%
269	17.611	17.592	17.632	VV	109273	2008227	2.57% 0.165%
270	17.688	17.632	17.748	VV	190537	8204042	10.51% 0.676%
271	17.814	17.748	17.871	VV	178739	8132749	10.42% 0.670%
272	17.896	17.871	17.913	VV	147898	2764269	3.54% 0.228%
273	17.924	17.913	17.945	VV	116099	1858288	2.38% 0.153%
274	17.976	17.945	18.045	VV	181521	6147101	7.88% 0.506%
275	18.065	18.045	18.080	VV	88561	1576614	2.02% 0.130%
276	18.101	18.080	18.136	VV	101768	2619832	3.36% 0.216%
277	18.160	18.136	18.185	VV	57418	1546445	1.98% 0.127%
278	18.255	18.185	18.279	VV	125816	4623728	5.92% 0.381%
279	18.301	18.279	18.328	VV	178354	3345156	4.29% 0.276%
280	18.395	18.328	18.415	VV	167372	5840178	7.48% 0.481%
281	18.475	18.415	18.561	VV	231093	13897191	17.80% 1.145%
282	18.602	18.561	18.663	VV	464636	13492827	17.29% 1.112%
283	18.726	18.663	18.762	VV	1075431	30104286	38.57% 2.480%
284	18.777	18.762	18.802	VV	248256	4409118	5.65% 0.363%
285	18.831	18.802	18.848	VV	409076	7559630	9.69% 0.623%
286	18.865	18.848	18.931	VV	393561	12420994	15.91% 1.023%
287	18.989	18.931	19.020	VV	995157	24145796	30.94% 1.989%
288	19.044	19.020	19.071	VV	216367	5805510	7.44% 0.478%
289	19.101	19.071	19.144	VV	417162	9878288	12.66% 0.814%
290	19.182	19.144	19.237	VV	133625	5592464	7.16% 0.461%
291	19.263	19.237	19.304	VV	133943	4302647	5.51% 0.354%
292	19.328	19.304	19.346	VV	118972	2615868	3.35% 0.216%
293	19.377	19.346	19.408	VV	157280	4529795	5.80% 0.373%
294	19.428	19.408	19.443	VV	114904	2230417	2.86% 0.184%
295	19.467	19.443	19.491	VV	156980	3656367	4.68% 0.301%
296	19.504	19.491	19.547	VV	115240	3669448	4.70% 0.302%
297	19.566	19.547	19.601	VV	110825	3111855	3.99% 0.256%
298	19.636	19.601	19.686	VV	146889	5647902	7.24% 0.465%
299	19.706	19.686	19.728	VV	82976	2008155	2.57% 0.165%

Instrument :

FID_E

ClientSampleId :

1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

					rters				
300	19.794	19.728	19.844	VV	99678	5947846	7.62%	0.490%	
301	19.874	19.844	19.905	VV	110943	3416927			
302	19.959	19.905	19.981	VV	109602	4297798			
303	19.990	19.981	20.006	VV	88984	1253975			
304	20.058	20.006	20.073	VV	121019	4136761			
305	20.119	20.073	20.148	VV	364181	10373357			
306	20.188	20.148	20.216	VV	441589	11268062	14.44%	0.928%	
307	20.244	20.216	20.265	VV	236111	5548838	7.11%	0.457%	
308	20.279	20.265	20.299	VV	197406	3449791	4.42%	0.284%	
309	20.312	20.299	20.343	VV	145808	3161183	4.05%	0.260%	
310	20.394	20.343	20.428	VV	149617	5535274	7.09%	0.456%	
311	20.501	20.428	20.530	VV	434556	12274589	15.73%	1.011%	
312	20.565	20.530	20.614	VV	214620	7926207	10.15%	0.653%	
313	20.637	20.614	20.678	VV	163241	4852304	6.22%	0.400%	
314	20.685	20.678	20.720	VV	103370	2440521	3.13%	0.201%	
315	20.745	20.720	20.812	VV	101420	5103916	6.54%	0.421%	
316	20.828	20.812	20.891	VV	82748	3488455	4.47%	0.287%	
317	20.911	20.891	20.941	VV	70345	1989512	2.55%	0.164%	
318	20.977	20.941	21.041	VV	81487	4012830	5.14%	0.331%	
319	21.056	21.041	21.087	VV	59742	1571495	2.01%	0.129%	
320	21.107	21.087	21.125	VV	55995	1271677	1.63%	0.105%	
321	21.148	21.125	21.233	VV	58026	3249258	4.16%	0.268%	
322	21.255	21.233	21.271	VV	42659	939819	1.20%	0.077%	
323	21.282	21.271	21.289	VV	40322	432722	0.55%	0.036%	
324	21.294	21.289	21.318	VV	40075	666360	0.85%	0.055%	
325	21.328	21.318	21.349	VV	39230	716985	0.92%	0.059%	
326	21.358	21.349	21.364	VV	38134	340567	0.44%	0.028%	
327	21.392	21.364	21.481	VV	45729	2438930	3.12%	0.201%	
328	21.553	21.481	21.614	VV	42415	2745693	3.52%	0.226%	
329	21.641	21.614	21.685	VV	34178	1210318	1.55%	0.100%	
330	21.758	21.685	21.806	VV	28803	1722942	2.21%	0.142%	
331	21.852	21.806	21.890	VV	31700	1224813	1.57%	0.101%	
332	21.953	21.890	22.106	VV	35202	2873721	3.68%	0.237%	
333	22.127	22.106	22.154	VV	11885	298760	0.38%	0.025%	
334	22.183	22.154	22.233	VV	10302	349325	0.45%	0.029%	
335	22.272	22.233	22.324	VV	13426	399609	0.51%	0.033%	
336	22.360	22.324	22.444	VV	10097	388892	0.50%	0.032%	
337	22.469	22.444	22.491	PV	1970	29293	0.04%	0.002%	
Sum of corrected areas:					1213723276				

Instrument :

FID_E

ClientSampleId :

1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

Aliphatic EPH 080125.M Thu Aug 21 02:23:02 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/12/25
Project:	507 Franklin Ave	Date Received:	08/13/25
Client Sample ID:	1DL	SDG No.:	Q2868
Lab Sample ID:	Q2868-03DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055420.D	10	08/20/25	08/21/25	PB169321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	495		9.80	43.2	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	220		12.7	21.5	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	7.48		40 - 140	150%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	4.94		40 - 140	99%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2868-03DL	Acq On:	21 Aug 2025 10:11
Client Sample ID:	IDL	Operator:	YP\AJ
Data file:	FE055420.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.954	498688	4.27	300	ug/ml
Aliphatic C12-C16	6.955	10.407	4683134	37.397	200	ug/ml
Aliphatic C16-C21	10.408	13.787	42887132	339.284	300	ug/ml
Aliphatic C21-C28	13.788	17.460	37329977	309.778	400	ug/ml
Aliphatic C28-C40	17.461	22.485	34991933	306.981	600	ug/ml
Aliphatic EPH	3.319	22.485	120390864	997.71		ug/ml
ortho-Terphenyl (SURR)	12.087	12.087	704869	4.94		ug/ml
1-chlorooctadecane (SURR)	13.538	13.538	804215	7.48		ug/ml
Aliphatic C9-C28	3.319	17.460	85398931	690.729	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
 Data File : FE055420.D
 Signal(s) : FID1B.ch
 Acq On : 21 Aug 2025 10:11
 Operator : YP\AJ
 Sample : Q2868-03DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 1DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2025
 Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
 Quant Time: Aug 22 01:15:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.087	704869	4.936 ug/mlm
Spiked Amount 50.000		Recovery =	9.87%
12) S 1-chlorooctadecane (S...	13.538	804215	7.479 ug/mlm
Spiked Amount 50.000		Recovery =	14.96%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
Data File : FE055420.D
Signal(s) : FID1B.ch
Acq On : 21 Aug 2025 10:11
Operator : YP\AJ
Sample : Q2868-03DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

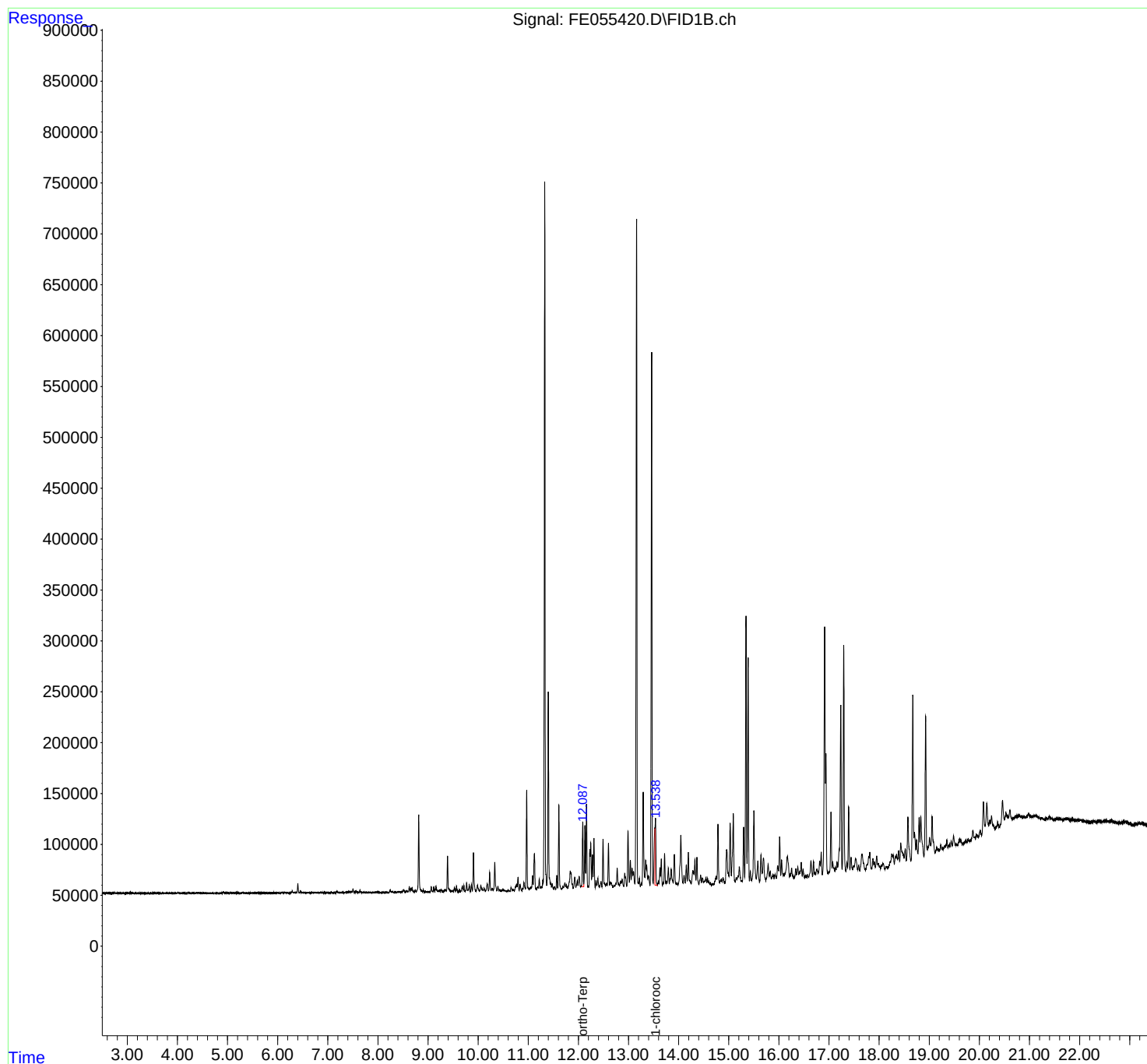
Instrument :
FID_E
ClientSampleId :
1DL

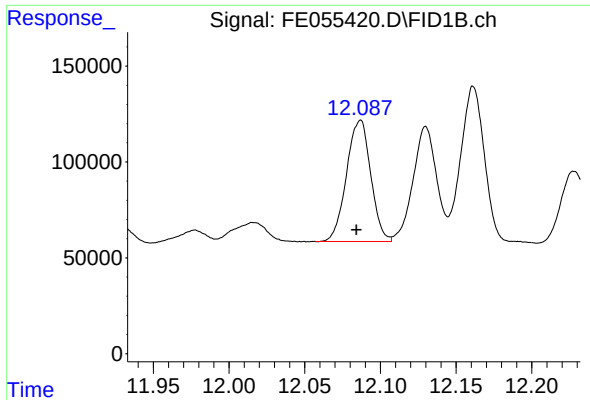
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
Quant Time: Aug 22 01:15:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





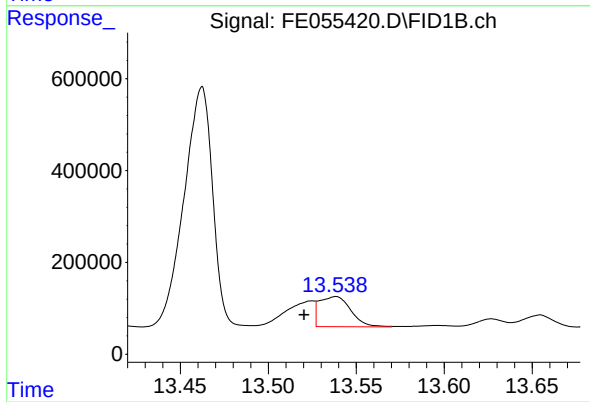
#9 ortho-Terphenyl (SURR)

R.T.: 12.087 min
Delta R.T.: 0.003 min
Response: 704869
Conc: 4.94 ug/ml

Instrument :
FID_E
ClientSampleId :
1DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.538 min
Delta R.T.: 0.018 min
Response: 804215
Conc: 7.48 ug/ml m

Instrument :
FID_E
ClientSampleId :
1DL

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE08212
Data File : FE055420.D
Signal(s) : FID1B.ch
Acq On : 21 Aug 2025 10:11
Sample : Q2868-03DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.837	2.805	2.868	BV	234	4336	0.06%	0.004%
2	2.878	2.868	2.895	PV	121	1309	0.02%	0.001%
3	2.902	2.895	2.972	VV	161	4221	0.05%	0.004%
4	2.992	2.972	3.038	VV	128	2921	0.04%	0.002%
5	3.056	3.038	3.088	VV	763	9119	0.12%	0.008%
6	3.104	3.088	3.151	VV	212	4297	0.05%	0.004%
7	3.157	3.151	3.221	VV	135	3094	0.04%	0.003%
8	3.230	3.221	3.245	VV	89	829	0.01%	0.001%
9	3.257	3.245	3.311	VV	141	2935	0.04%	0.002%
10	3.324	3.311	3.373	VV	145	2561	0.03%	0.002%
11	3.400	3.373	3.411	PV	101	1547	0.02%	0.001%
12	3.444	3.411	3.456	VV	158	2678	0.03%	0.002%
13	3.467	3.456	3.505	VV	170	2523	0.03%	0.002%
14	3.509	3.505	3.518	VV	105	532	0.01%	0.000%
15	3.542	3.518	3.548	VV	120	1746	0.02%	0.001%
16	3.558	3.548	3.578	VV	143	1907	0.02%	0.002%
17	3.584	3.578	3.598	VV	171	1376	0.02%	0.001%
18	3.607	3.598	3.628	VV	171	1940	0.02%	0.002%
19	3.660	3.628	3.687	VV	171	3418	0.04%	0.003%
20	3.712	3.687	3.734	PV	83	1618	0.02%	0.001%
21	3.752	3.734	3.792	VV	86	2995	0.04%	0.002%
22	3.801	3.792	3.841	VV	126	1837	0.02%	0.002%
23	3.894	3.841	3.983	VV	494	13171	0.17%	0.011%
24	4.009	3.983	4.078	VV	665	10446	0.13%	0.009%
25	4.113	4.078	4.155	VV	126	3882	0.05%	0.003%
26	4.214	4.155	4.265	VV	815	15538	0.20%	0.013%
27	4.279	4.265	4.305	VV	225	3880	0.05%	0.003%
28	4.333	4.305	4.355	VV	336	5785	0.07%	0.005%
29	4.383	4.355	4.406	VV	527	9430	0.12%	0.008%
30	4.420	4.406	4.514	VV	336	10388	0.13%	0.009%
31	4.526	4.514	4.556	VV	151	2606	0.03%	0.002%
32	4.565	4.556	4.586	VV	135	1892	0.02%	0.002%
33	4.612	4.586	4.627	VV	189	2310	0.03%	0.002%
34	4.648	4.627	4.663	VV	156	2013	0.03%	0.002%
35	4.675	4.663	4.700	VV	146	1915	0.02%	0.002%
36	4.718	4.700	4.728	VV	147	1646	0.02%	0.001%

Client Sample Data - Q3 2023							Overall Summary	
Index	Value A	Value B	Value C	Category	Count	Weighted Avg	1DL	2DL
37	4.739	4.728	4.757	VV	98	1224	0.02%	0.001%
38	4.796	4.757	4.818	VV	194	3282	0.03%	0.002%
39	4.848	4.818	4.873	VV	113	1587	0.02%	0.001%
40	4.882	4.873	4.888	VV	81	501	0.01%	0.000%
41	4.914	4.888	4.965	VV	1287	18590	0.21%	0.012%
42	4.978	4.965	5.021	VV	188	4416	0.03%	0.002%
43	5.060	5.021	5.091	VV	396	7287	0.09%	0.006%
44	5.097	5.091	5.107	VV	146	1166	0.01%	0.001%
45	5.133	5.107	5.151	VV	180	3347	0.04%	0.003%
46	5.177	5.151	5.203	VV	378	7385	0.09%	0.006%
47	5.214	5.203	5.275	VV	274	7016	0.09%	0.006%
48	5.305	5.275	5.355	VV	712	13639	0.17%	0.011%
49	5.361	5.355	5.385	VV	109	1219	0.02%	0.001%
50	5.397	5.385	5.415	PV	107	1820	0.02%	0.002%
51	5.448	5.415	5.488	VV	175	4531	0.06%	0.004%
52	5.500	5.488	5.561	VV	138	4699	0.06%	0.004%
53	5.591	5.561	5.614	VV	237	5239	0.07%	0.004%
54	5.631	5.614	5.688	VV	231	5042	0.06%	0.004%
55	5.703	5.688	5.717	VV	110	1422	0.02%	0.001%
56	5.734	5.717	5.744	VV	178	1691	0.02%	0.001%
57	5.762	5.744	5.798	VV	173	2836	0.04%	0.002%
58	5.823	5.798	5.840	PV	172	2253	0.03%	0.002%
59	5.873	5.840	5.909	VV	258	4906	0.06%	0.004%
60	5.922	5.909	5.951	VV	160	2721	0.03%	0.002%
61	5.961	5.951	5.985	VV	88	1440	0.02%	0.001%
62	5.994	5.985	6.054	VV	87	2437	0.03%	0.002%
63	6.098	6.054	6.119	VV	708	12253	0.16%	0.010%
64	6.138	6.119	6.180	VV	662	12661	0.16%	0.011%
65	6.190	6.180	6.205	VV	207	2365	0.03%	0.002%
66	6.211	6.205	6.226	VV	149	1730	0.02%	0.001%
67	6.289	6.226	6.321	VV	2014	30306	0.39%	0.025%
68	6.339	6.321	6.350	VV	806	10578	0.14%	0.009%
69	6.360	6.350	6.380	VV	709	10049	0.13%	0.008%
70	6.402	6.380	6.438	VV	8964	96777	1.24%	0.080%
71	6.453	6.438	6.501	VV	1317	23958	0.31%	0.020%
72	6.515	6.501	6.541	VV	456	8782	0.11%	0.007%
73	6.557	6.541	6.585	VV	305	6231	0.08%	0.005%
74	6.622	6.585	6.658	VV	430	12400	0.16%	0.010%
75	6.695	6.658	6.731	VV	360	12246	0.16%	0.010%
76	6.753	6.731	6.791	VV	347	9210	0.12%	0.008%
77	6.804	6.791	6.839	VV	334	7178	0.09%	0.006%
78	6.860	6.839	6.914	VV	873	15197	0.19%	0.013%
79	6.924	6.914	6.951	VV	207	3491	0.04%	0.003%
80	7.016	6.951	7.049	VV	159	3890	0.05%	0.003%
81	7.068	7.049	7.147	PV	617	11706	0.15%	0.010%
82	7.179	7.147	7.231	VV	1250	26984	0.34%	0.022%
83	7.246	7.231	7.268	VV	476	7414	0.09%	0.006%
84	7.292	7.268	7.328	VV	596	11746	0.15%	0.010%
85	7.352	7.328	7.367	VV	787	11534	0.15%	0.010%
86	7.407	7.367	7.430	VV	743	25049	0.32%	0.021%
87	7.456	7.430	7.484	VV	989	28318	0.36%	0.024%
88	7.503	7.484	7.528	VV	3799	44649	0.57%	0.037%
89	7.562	7.528	7.591	VV	1695	28860	0.37%	0.024%

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90	7.604	7.591	7.621	VV	414	6501	0.08%	0.005%
91	7.642	7.621	7.673	VV	2700	33728		
92	7.684	7.673	7.696	VV	345	4204		
93	7.712	7.696	7.727	VV	362	5522		
94	7.771	7.727	7.830	VV	377	16638		
95	7.859	7.830	7.877	VV	325	6038		
96	7.893	7.877	7.930	VV	250	5280	0.07%	0.004%
97	7.950	7.930	7.962	VV	610	7312	0.09%	0.006%
98	7.968	7.962	7.975	VV	476	3274	0.04%	0.003%
99	7.991	7.975	8.027	VV	703	11929	0.15%	0.010%
100	8.042	8.027	8.051	VV	143	1444	0.02%	0.001%
101	8.066	8.051	8.080	PV	124	1725	0.02%	0.001%
102	8.103	8.080	8.131	VV	470	7672	0.10%	0.006%
103	8.153	8.131	8.172	VV	692	8289	0.11%	0.007%
104	8.245	8.172	8.320	VV	2319	52129	0.67%	0.043%
105	8.351	8.320	8.366	VV	377	6612	0.08%	0.005%
106	8.407	8.366	8.421	VV	774	16266	0.21%	0.014%
107	8.433	8.421	8.458	VV	694	11441	0.15%	0.010%
108	8.475	8.458	8.483	VV	450	5651	0.07%	0.005%
109	8.519	8.483	8.557	VV	2345	56537	0.72%	0.047%
110	8.579	8.557	8.605	VV	1555	25114	0.32%	0.021%
111	8.625	8.605	8.640	VV	5500	61366	0.78%	0.051%
112	8.654	8.640	8.667	VV	3834	43897	0.56%	0.036%
113	8.681	8.667	8.725	VV	4283	66204	0.85%	0.055%
114	8.745	8.725	8.763	VV	1986	24673	0.32%	0.020%
115	8.814	8.763	8.886	VV	75531	905787	11.57%	0.752%
116	8.904	8.886	8.967	VV	2153	33017	0.42%	0.027%
117	9.023	8.967	9.040	PV	507	10350	0.13%	0.009%
118	9.064	9.040	9.091	VV	5287	59645	0.76%	0.050%
119	9.113	9.091	9.131	VV	5295	58706	0.75%	0.049%
120	9.156	9.131	9.209	VV	5283	109343	1.40%	0.091%
121	9.228	9.209	9.243	VV	2173	26894	0.34%	0.022%
122	9.258	9.243	9.298	VV	2499	41855	0.53%	0.035%
123	9.350	9.298	9.368	VV	1889	50125	0.64%	0.042%
124	9.389	9.368	9.461	VV	35432	438878	5.61%	0.364%
125	9.480	9.461	9.495	VV	1167	16043	0.21%	0.013%
126	9.526	9.495	9.551	VV	4441	63172	0.81%	0.052%
127	9.568	9.551	9.606	VV	5329	68897	0.88%	0.057%
128	9.626	9.606	9.647	VV	1615	19483	0.25%	0.016%
129	9.685	9.647	9.702	VV	5699	88279	1.13%	0.073%
130	9.717	9.702	9.737	VV	6191	64397	0.82%	0.053%
131	9.770	9.737	9.792	VV	8667	113170	1.45%	0.094%
132	9.823	9.792	9.844	VV	6010	89958	1.15%	0.075%
133	9.866	9.844	9.884	VV	7322	82067	1.05%	0.068%
134	9.907	9.884	9.960	VV	38361	478345	6.11%	0.397%
135	9.987	9.960	10.020	VV	6638	116319	1.49%	0.097%
136	10.055	10.020	10.075	VV	5937	95710	1.22%	0.079%
137	10.084	10.075	10.099	VV	2310	26541	0.34%	0.022%
138	10.119	10.099	10.151	VV	3289	54721	0.70%	0.045%
139	10.181	10.151	10.206	VV	7439	124761	1.59%	0.104%
140	10.230	10.206	10.258	VV	18709	227585	2.91%	0.189%
141	10.277	10.258	10.297	VV	2775	48452	0.62%	0.040%

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142	10.332	10.297	10.375	VV	28626	397155	5.08%	0.330%
143	10.395	10.375	10.446	VV	5098	83883		
144	10.493	10.446	10.521	VV	1964	51130		
145	10.534	10.521	10.556	VV	937	11371		
146	10.607	10.556	10.635	PV	690	15254		
147	10.657	10.635	10.683	VV	3668	56513		
148	10.692	10.683	10.721	VV	1379	22756	0.29%	0.019%
149	10.766	10.721	10.778	VV	6956	130823	1.67%	0.109%
150	10.795	10.778	10.818	VV	13586	176118	2.25%	0.146%
151	10.837	10.818	10.869	VV	6449	90459	1.16%	0.075%
152	10.914	10.869	10.943	VV	8302	156330	2.00%	0.130%
153	10.969	10.943	11.018	VV	97987	1071962	13.70%	0.890%
154	11.053	11.018	11.063	VV	3581	67678	0.86%	0.056%
155	11.086	11.063	11.098	VV	14662	174680	2.23%	0.145%
156	11.122	11.098	11.158	VV	36254	570144	7.29%	0.473%
157	11.187	11.158	11.200	VV	3780	64429	0.82%	0.054%
158	11.220	11.200	11.239	VV	11132	142191	1.82%	0.118%
159	11.252	11.239	11.271	VV	3388	58359	0.75%	0.048%
160	11.328	11.271	11.368	VV	691211	7773905	99.34%	6.455%
161	11.399	11.368	11.463	VV	194414	2331958	29.80%	1.936%
162	11.477	11.463	11.502	VV	6373	86555	1.11%	0.072%
163	11.524	11.502	11.546	VV	3178	50188	0.64%	0.042%
164	11.569	11.546	11.587	VV	14076	159414	2.04%	0.132%
165	11.610	11.587	11.658	VV	82916	941850	12.04%	0.782%
166	11.689	11.658	11.702	VV	2777	45429	0.58%	0.038%
167	11.729	11.702	11.785	VV	6343	179688	2.30%	0.149%
168	11.838	11.785	11.896	VV	18313	557268	7.12%	0.463%
169	11.927	11.896	11.949	VV	11869	190613	2.44%	0.158%
170	11.977	11.949	11.992	VV	8637	134723	1.72%	0.112%
171	12.016	11.992	12.051	VV	12517	241999	3.09%	0.201%
172	12.086	12.051	12.107	VV	67095	788861	10.08%	0.655%
173	12.130	12.107	12.145	VV	62290	702382	8.98%	0.583%
174	12.161	12.145	12.205	VV	83497	957034	12.23%	0.795%
175	12.245	12.205	12.263	VV	44939	906613	11.59%	0.753%
176	12.279	12.263	12.293	VV	33348	389173	4.97%	0.323%
177	12.309	12.293	12.335	VV	49659	617490	7.89%	0.513%
178	12.352	12.335	12.367	VV	7213	87893	1.12%	0.073%
179	12.388	12.367	12.418	VV	10252	160803	2.05%	0.134%
180	12.450	12.418	12.467	VV	7160	121767	1.56%	0.101%
181	12.491	12.467	12.541	VV	48447	625283	7.99%	0.519%
182	12.563	12.541	12.574	VV	5248	76768	0.98%	0.064%
183	12.600	12.574	12.624	VV	44086	532141	6.80%	0.442%
184	12.638	12.624	12.649	VV	5747	75104	0.96%	0.062%
185	12.655	12.649	12.692	VV	5209	83640	1.07%	0.069%
186	12.714	12.692	12.727	VV	2794	45888	0.59%	0.038%
187	12.774	12.727	12.820	VV	19731	367983	4.70%	0.306%
188	12.875	12.820	12.904	VV	8498	245594	3.14%	0.204%
189	12.925	12.904	12.964	VV	14085	274037	3.50%	0.228%
190	12.990	12.964	13.017	VV	55600	728550	9.31%	0.605%
191	13.037	13.017	13.054	VV	27130	353710	4.52%	0.294%
192	13.071	13.054	13.088	VV	18991	304358	3.89%	0.253%
193	13.100	13.088	13.124	VV	15797	236640	3.02%	0.197%
194	13.161	13.124	13.201	VV	661165	7825674	100.00%	6.498%

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195	13.217	13.201	13.236	VV	9064	106700	1.36%	0.089%
196	13.253	13.236	13.264	VV	3664	43927		
197	13.293	13.264	13.324	VV	93582	1236833	15.82%	0.128%
198	13.343	13.324	13.383	VV	26520	603426	7.74%	0.178%
199	13.398	13.383	13.427	VV	10849	203632	2.42%	0.128%
200	13.462	13.427	13.490	VV	521549	5974015	76.02%	0.352%
201	13.537	13.490	13.577	VV	67774	1551178	19.82%	1.288%
202	13.596	13.577	13.607	VV	4466	63222	0.81%	0.052%
203	13.627	13.607	13.638	VV	18844	214482	2.74%	0.178%
204	13.654	13.638	13.677	VV	27508	338306	4.32%	0.281%
205	13.720	13.677	13.744	VV	32219	424465	5.42%	0.352%
206	13.757	13.744	13.768	VV	5505	65773	0.84%	0.055%
207	13.795	13.768	13.815	VV	18450	271728	3.47%	0.226%
208	13.852	13.815	13.890	VV	17184	390459	4.99%	0.324%
209	13.915	13.890	13.945	VV	31493	473459	6.05%	0.393%
210	13.961	13.945	13.983	VV	3333	63308	0.81%	0.053%
211	14.045	13.983	14.085	VV	49992	1034431	13.22%	0.859%
212	14.109	14.085	14.130	VV	10571	173739	2.22%	0.144%
213	14.154	14.130	14.173	VV	20595	293215	3.75%	0.243%
214	14.194	14.173	14.249	VV	33189	521786	6.67%	0.433%
215	14.285	14.249	14.307	VV	15092	354182	4.53%	0.294%
216	14.325	14.307	14.345	VV	25919	363673	4.65%	0.302%
217	14.365	14.345	14.403	VV	27868	398051	5.09%	0.331%
218	14.439	14.403	14.457	VV	10249	181454	2.32%	0.151%
219	14.476	14.457	14.498	VV	7263	129845	1.66%	0.108%
220	14.545	14.498	14.563	VV	7605	189624	2.42%	0.157%
221	14.577	14.563	14.592	VV	7155	84263	1.08%	0.070%
222	14.603	14.592	14.619	VV	4035	47134	0.60%	0.039%
223	14.632	14.619	14.653	VV	2720	31072	0.40%	0.026%
224	14.688	14.653	14.699	PV	1224	20706	0.26%	0.017%
225	14.748	14.699	14.761	VV	8582	176264	2.25%	0.146%
226	14.785	14.761	14.816	VV	59723	749104	9.57%	0.622%
227	14.846	14.816	14.862	VV	4956	101954	1.30%	0.085%
228	14.885	14.862	14.921	VV	6826	137058	1.75%	0.114%
229	14.959	14.921	15.000	VV	33698	764633	9.77%	0.635%
230	15.028	15.000	15.051	VV	59346	900504	11.51%	0.748%
231	15.090	15.051	15.126	VV	68769	1147104	14.66%	0.953%
232	15.150	15.126	15.165	VV	5808	99005	1.27%	0.082%
233	15.211	15.165	15.267	VV	16035	406283	5.19%	0.337%
234	15.296	15.267	15.316	VV	55221	687793	8.79%	0.571%
235	15.344	15.316	15.364	VV	263467	3188311	40.74%	2.648%
236	15.385	15.364	15.412	VV	219520	2583027	33.01%	2.145%
237	15.430	15.412	15.455	VV	11112	151001	1.93%	0.125%
238	15.502	15.455	15.548	VV	70177	1158203	14.80%	0.962%
239	15.579	15.548	15.613	VV	20752	349514	4.47%	0.290%
240	15.642	15.613	15.665	VV	26414	386645	4.94%	0.321%
241	15.692	15.665	15.738	VV	22830	494435	6.32%	0.411%
242	15.785	15.738	15.808	VV	16105	329559	4.21%	0.274%
243	15.827	15.808	15.849	VV	9578	155191	1.98%	0.129%
244	15.882	15.849	15.904	VV	5912	135995	1.74%	0.113%
245	15.927	15.904	15.951	VV	5662	117524	1.50%	0.098%
246	15.975	15.951	15.992	VV	14464	238503	3.05%	0.198%

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247	16.015	15.992	16.038	VV	42925	617415	7.89%	0.513%
248	16.054	16.038	16.089	VV	19880	324807		
249	16.102	16.089	16.115	VV	5698	78732		
250	16.169	16.115	16.210	VV	22492	727922		
251	16.254	16.210	16.307	VV	11436	282456		
252	16.336	16.307	16.353	VV	10435	153018		
253	16.377	16.353	16.397	VV	11513	208106	2.66%	0.173%
254	16.446	16.397	16.466	VV	16338	338444	4.32%	0.281%
255	16.482	16.466	16.518	VV	9402	147897	1.89%	0.123%
256	16.541	16.518	16.557	VV	2246	42266	0.54%	0.035%
257	16.574	16.557	16.594	VV	3637	47145	0.60%	0.039%
258	16.640	16.594	16.671	VV	16784	328735	4.20%	0.273%
259	16.692	16.671	16.734	VV	15937	267668	3.42%	0.222%
260	16.754	16.734	16.781	VV	8241	175173	2.24%	0.145%
261	16.815	16.781	16.827	VV	15896	269225	3.44%	0.224%
262	16.844	16.827	16.866	VV	24814	332912	4.25%	0.276%
263	16.914	16.866	16.978	VV	244410	4905556	62.69%	4.074%
264	17.040	16.978	17.062	VV	63213	947742	12.11%	0.787%
265	17.074	17.062	17.116	VV	14195	306212	3.91%	0.254%
266	17.133	17.116	17.143	VV	8262	107372	1.37%	0.089%
267	17.161	17.143	17.176	VV	13969	204400	2.61%	0.170%
268	17.235	17.176	17.262	VV	167996	2710824	34.64%	2.251%
269	17.294	17.262	17.335	VV	226270	2940618	37.58%	2.442%
270	17.357	17.335	17.370	VV	12729	179378	2.29%	0.149%
271	17.393	17.370	17.418	VV	67712	873504	11.16%	0.725%
272	17.441	17.418	17.471	VV	17545	332711	4.25%	0.276%
273	17.494	17.471	17.503	VV	8945	149463	1.91%	0.124%
274	17.529	17.503	17.570	VV	15935	454106	5.80%	0.377%
275	17.592	17.570	17.612	VV	8919	166368	2.13%	0.138%
276	17.658	17.612	17.726	VV	19735	737008	9.42%	0.612%
277	17.814	17.726	17.852	VV	21255	812876	10.39%	0.675%
278	17.877	17.852	17.893	VV	14521	248290	3.17%	0.206%
279	17.904	17.893	17.925	VV	11395	170372	2.18%	0.141%
280	17.951	17.925	17.973	VV	16755	328647	4.20%	0.273%
281	17.985	17.973	18.029	VV	9861	244849	3.13%	0.203%
282	18.048	18.029	18.058	VV	7628	110442	1.41%	0.092%
283	18.076	18.058	18.113	VV	9601	236139	3.02%	0.196%
284	18.141	18.113	18.173	VV	5693	173608	2.22%	0.144%
285	18.252	18.173	18.303	VV	17894	881987	11.27%	0.732%
286	18.348	18.303	18.367	VV	17028	517894	6.62%	0.430%
287	18.388	18.367	18.409	VV	20285	395793	5.06%	0.329%
288	18.432	18.409	18.498	VV	27733	996297	12.73%	0.827%
289	18.521	18.498	18.542	VV	21985	441146	5.64%	0.366%
290	18.574	18.542	18.634	VV	52479	1342872	17.16%	1.115%
291	18.671	18.634	18.695	VV	172973	2589959	33.10%	2.151%
292	18.705	18.695	18.731	VV	37545	674499	8.62%	0.560%
293	18.747	18.731	18.772	VV	30014	568439	7.26%	0.472%
294	18.798	18.772	18.814	VV	51405	855113	10.93%	0.710%
295	18.831	18.814	18.893	VV	52005	1462544	18.69%	1.214%
296	18.928	18.893	18.969	VV	150900	2453450	31.35%	2.037%
297	19.006	18.969	19.031	VV	31230	935952	11.96%	0.777%
298	19.057	19.031	19.115	VV	52002	1509841	19.29%	1.254%
299	19.149	19.115	19.168	VV	21703	593251	7.58%	0.493%

Instrument :

FID_E

ClientSampleId :

1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025

Supervised By :mohammad ahmed 08/25/2025

					rters			
300	19.230	19.201	19.253	VV	23238	628275	8.03%	0.522%
301	19.263	19.253	19.271	VV	19795	216416		
302	19.350	19.326	19.373	VV	27276	662277		
303	19.397	19.373	19.416	VV	22825	568825		
304	19.437	19.416	19.461	VV	26075	634375		
305	19.530	19.521	19.545	VV	23194	325196		
306	19.557	19.545	19.571	VV	22619	348132	4.45%	0.289%
307	19.602	19.571	19.657	VV	27316	1300411	16.62%	1.080%
308	19.675	19.657	19.689	VV	23715	440003	5.62%	0.365%
309	19.727	19.689	19.753	VV	25767	943893	12.06%	0.784%
310	19.776	19.753	19.796	VV	26703	651243	8.32%	0.541%
311	19.818	19.796	19.830	VV	25961	523768	6.69%	0.435%
312	19.871	19.830	19.896	VV	35214	1170360	14.96%	0.972%
313	19.906	19.896	19.918	VV	28467	368027	4.70%	0.306%
314	19.939	19.918	19.975	VV	31141	1016279	12.99%	0.844%
315	20.017	19.975	20.045	VV	34407	1309487	16.73%	1.087%
316	20.082	20.045	20.110	VV	62410	1742927	22.27%	1.447%
317	20.149	20.110	20.183	VV	60993	2090834	26.72%	1.736%
Sum of corrected areas:					120423913			

Instrument :
FID_E
ClientSampleId :
1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

Aliphatic EPH 080125.M Fri Aug 22 04:56:27 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	08/12/25
Project:	507 Franklin Ave	Date Received:	08/13/25
Client Sample ID:	2	SDG No.:	Q2868
Lab Sample ID:	Q2868-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/20/25 08:15	08/21/25 10:41	PB169321

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	800		20	19.8	86.8	mg/kg	FE055421.D
Total EPH	Total EPH	800			19.8	86.8	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/12/25
Project:	507 Franklin Ave	Date Received:	08/13/25
Client Sample ID:	2	SDG No.:	Q2868
Lab Sample ID:	Q2868-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055409.D	1	08/20/25	08/20/25	PB169321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	683	E	0.99	4.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	293	E	1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	60.8		40 - 140	122%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	52.6		40 - 140	105%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2868-04	Acq On:	20 Aug 2025 14:04
Client Sample ID:	2	Operator:	YP\AJ
Data file:	FE055409.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.956	4042019	34.611	300	ug/ml
Aliphatic C12-C16	6.957	10.409	60568497	483.669	200	ug/ml
Aliphatic C16-C21	10.410	13.790	581352117	4600	300	ug/ml
Aliphatic C21-C28	13.791	17.463	523000561	4340	400	ug/ml
Aliphatic C28-C40	17.464	22.490	463217503	4060	600	ug/ml
Aliphatic EPH	3.321	22.490	1632180697	13500		ug/ml
ortho-Terphenyl (SURR)	12.098	12.098	7507561	52.57		ug/ml
1-chlorooctadecane (SURR)	13.533	13.533	6538852	60.81		ug/ml
Aliphatic C9-C28	3.321	17.463	1168963194	9460	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
 Data File : FE055409.D
 Signal(s) : FID1B.ch
 Acq On : 20 Aug 2025 14:04
 Operator : YP\AJ
 Sample : Q2868-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2025
 Supervised By :mohammad ahmed 08/22/2025

Integration File: autoint1.e
 Quant Time: Aug 21 01:18:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.098	7507561	52.573 ug/ml
Spiked Amount 50.000		Recovery =	105.15%
12) S 1-chlorooctadecane (S...	13.533	6538852	60.813 ug/mlm
Spiked Amount 50.000		Recovery =	121.63%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
Data File : FE055409.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 14:04
Operator : YP\AJ
Sample : Q2868-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

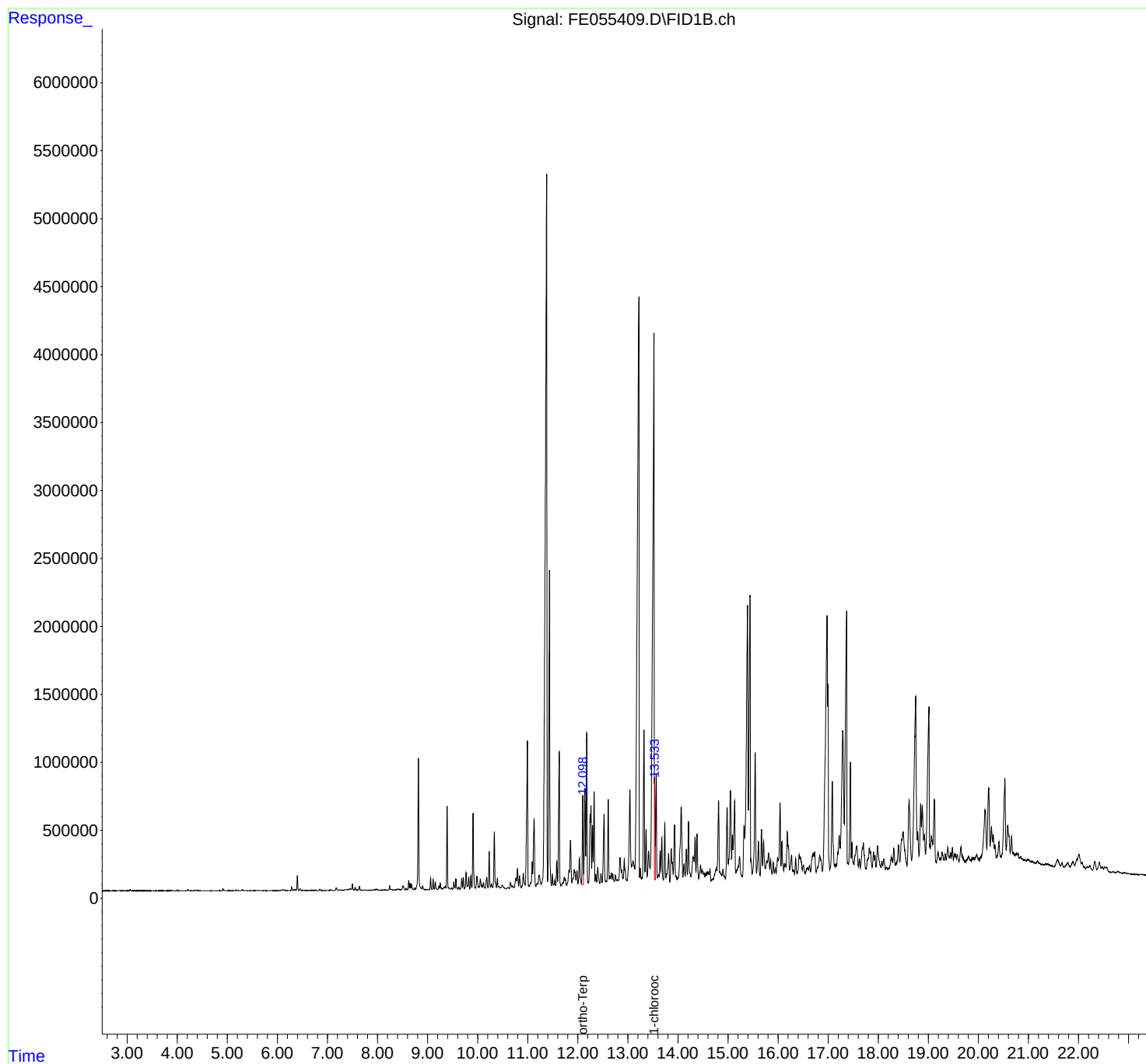
Instrument :
FID_E
ClientSampleId :
2

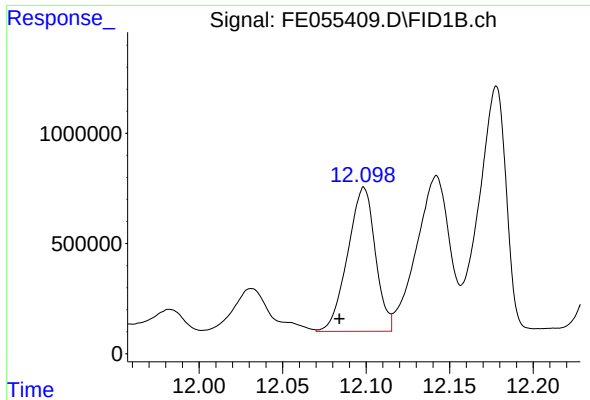
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

Integration File: autoint1.e
Quant Time: Aug 21 01:18:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





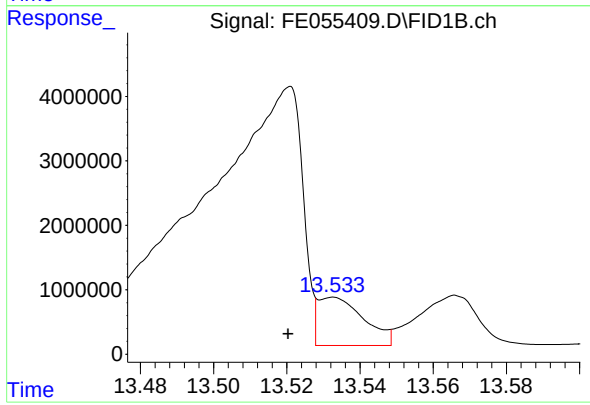
#9 ortho-Terphenyl (SURR)

R.T.: 12.098 min
Delta R.T.: 0.014 min
Response: 7507561
Conc: 52.57 ug/ml

Instrument :
FID_E
ClientSampleId :
2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.533 min
Delta R.T.: 0.012 min
Response: 6538852
Conc: 60.81 ug/ml m

rteres

Instrument :

FID_E

ClientSampleId :

2

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE08202
Data File : FE055409.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 14:04
Sample : Q2868-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.834	2.804	2.904	BV	2677	49316	0.04%	0.003%
2	2.918	2.904	2.950	VV	189	2292	0.00%	0.000%
3	3.056	2.950	3.094	PV	7477	111262	0.10%	0.007%
4	3.112	3.094	3.134	VV	1054	15064	0.01%	0.001%
5	3.155	3.134	3.174	VV	424	6928	0.01%	0.000%
6	3.184	3.174	3.221	VV	223	4307	0.00%	0.000%
7	3.275	3.221	3.397	VV	308	15237	0.01%	0.001%
8	3.417	3.397	3.518	VV	461	12160	0.01%	0.001%
9	3.538	3.518	3.581	PV	544	10597	0.01%	0.001%
10	3.594	3.581	3.645	VV	474	11465	0.01%	0.001%
11	3.658	3.645	3.694	VV	355	4955	0.00%	0.000%
12	3.708	3.694	3.719	VV	262	2740	0.00%	0.000%
13	3.726	3.719	3.734	VV	197	1706	0.00%	0.000%
14	3.773	3.734	3.801	VV	796	14230	0.01%	0.001%
15	3.810	3.801	3.844	VV	160	2558	0.00%	0.000%
16	3.875	3.844	3.977	PV	2870	63117	0.05%	0.004%
17	4.001	3.977	4.072	VV	5488	78761	0.07%	0.005%
18	4.110	4.072	4.154	VV	527	14298	0.01%	0.001%
19	4.211	4.154	4.247	VV	10255	119987	0.10%	0.007%
20	4.263	4.247	4.305	VV	1771	32948	0.03%	0.002%
21	4.332	4.305	4.354	VV	3229	38920	0.03%	0.002%
22	4.380	4.354	4.409	VV	5484	87743	0.07%	0.005%
23	4.422	4.409	4.525	VV	2802	60696	0.05%	0.004%
24	4.540	4.525	4.598	VV	481	10810	0.01%	0.001%
25	4.631	4.598	4.654	VV	270	6694	0.01%	0.000%
26	4.676	4.654	4.702	VV	624	10142	0.01%	0.001%
27	4.721	4.702	4.737	VV	433	6636	0.01%	0.000%
28	4.752	4.737	4.768	VV	420	5480	0.00%	0.000%
29	4.787	4.768	4.821	VV	454	7845	0.01%	0.000%
30	4.845	4.821	4.873	VV	594	7793	0.01%	0.000%
31	4.912	4.873	5.018	VV	14267	210012	0.18%	0.013%
32	5.056	5.018	5.109	VV	4105	75066	0.06%	0.005%
33	5.132	5.109	5.146	VV	884	16726	0.01%	0.001%
34	5.172	5.146	5.182	VV	3190	47772	0.04%	0.003%
35	5.186	5.182	5.258	VV	2974	74904	0.06%	0.005%
36	5.300	5.258	5.361	VV	8784	159468	0.14%	0.010%

					retention			
37	5.381	5.361	5.408	VV	955	20090	0.02%	0.001%
38	5.440	5.408	5.458	VV	937	19874	0.02%	0.001%
39	5.475	5.458	5.484	VV	473	6954	0.01%	0.001%
40	5.499	5.484	5.514	VV	604	9762	0.01%	0.001%
41	5.529	5.514	5.546	VV	771	9887	0.01%	0.001%
42	5.568	5.546	5.577	VV	2064	22939	0.03%	0.002%
43	5.592	5.577	5.611	VV	2651	36547	0.03%	0.002%
44	5.626	5.611	5.679	VV	1674	33750	0.03%	0.002%
45	5.693	5.679	5.713	VV	728	9764	0.01%	0.001%
46	5.729	5.713	5.743	VV	938	11191	0.01%	0.001%
47	5.759	5.743	5.801	VV	1224	17605	0.02%	0.001%
48	5.820	5.801	5.836	PV	779	9223	0.01%	0.001%
49	5.873	5.836	5.909	VV	2093	37498	0.03%	0.002%
50	5.931	5.909	5.954	VV	902	10139	0.01%	0.001%
51	5.969	5.954	5.995	PV	270	3178	0.00%	0.000%
52	6.023	5.995	6.042	VV	605	7639	0.01%	0.000%
53	6.094	6.042	6.117	VV	8194	140798	0.12%	0.009%
54	6.135	6.117	6.200	VV	6922	137673	0.12%	0.008%
55	6.212	6.200	6.228	VV	1328	18350	0.02%	0.001%
56	6.238	6.228	6.261	VV	1436	24711	0.02%	0.002%
57	6.284	6.261	6.313	VV	26313	291502	0.25%	0.018%
58	6.332	6.313	6.346	VV	9199	116327	0.10%	0.007%
59	6.357	6.346	6.375	VV	7131	86502	0.07%	0.005%
60	6.398	6.375	6.429	VV	111930	1124685	0.96%	0.069%
61	6.450	6.429	6.490	VV	14141	202873	0.17%	0.012%
62	6.511	6.490	6.541	VV	4490	64926	0.06%	0.004%
63	6.553	6.541	6.574	VV	807	13568	0.01%	0.001%
64	6.589	6.574	6.602	VV	804	10274	0.01%	0.001%
65	6.622	6.602	6.651	VV	1945	36355	0.03%	0.002%
66	6.670	6.651	6.682	VV	3298	41214	0.04%	0.003%
67	6.688	6.682	6.727	VV	2216	32450	0.03%	0.002%
68	6.750	6.727	6.785	VV	3052	52955	0.05%	0.003%
69	6.801	6.785	6.831	VV	1604	26730	0.02%	0.002%
70	6.848	6.831	6.904	VV	10749	143201	0.12%	0.009%
71	6.926	6.904	6.950	VV	860	14656	0.01%	0.001%
72	6.965	6.950	6.975	VV	802	6984	0.01%	0.000%
73	6.987	6.975	6.999	VV	1084	10751	0.01%	0.001%
74	7.015	6.999	7.034	VV	1466	16748	0.01%	0.001%
75	7.055	7.034	7.128	PV	8536	115247	0.10%	0.007%
76	7.175	7.128	7.219	VV	20275	328555	0.28%	0.020%
77	7.241	7.219	7.264	VV	5034	83796	0.07%	0.005%
78	7.289	7.264	7.324	VV	6006	98346	0.08%	0.006%
79	7.348	7.324	7.359	VV	7031	91574	0.08%	0.006%
80	7.372	7.359	7.384	VV	6659	94862	0.08%	0.006%
81	7.407	7.384	7.425	VV	7394	169819	0.15%	0.010%
82	7.451	7.425	7.480	VV	10951	314953	0.27%	0.019%
83	7.499	7.480	7.528	VV	48029	525318	0.45%	0.032%
84	7.554	7.528	7.586	VV	21690	287608	0.25%	0.018%
85	7.601	7.586	7.617	VV	3327	46843	0.04%	0.003%
86	7.638	7.617	7.669	VV	30580	355384	0.30%	0.022%
87	7.678	7.669	7.695	VV	2692	30366	0.03%	0.002%
88	7.711	7.695	7.724	VV	3224	37111	0.03%	0.002%
89	7.737	7.724	7.749	VV	2733	30133	0.03%	0.002%

Instrument :

FID_E

ClientSampleId :

2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

90	7.762	7.749	7.787	VV	2357	36016	0.03%	0.002%
91	7.804	7.787	7.821	VV	1577	20669		
92	7.838	7.821	7.847	VV	1828	19960		
93	7.860	7.847	7.875	VV	2144	27919		
94	7.888	7.875	7.920	VV	2514	41127		
95	7.941	7.920	7.955	VV	8682	99710		
96	7.986	7.955	8.047	VV	11117	219588	0.19%	0.013%
97	8.061	8.047	8.077	VV	1688	18201	0.02%	0.001%
98	8.098	8.077	8.127	VV	5749	74217	0.06%	0.005%
99	8.145	8.127	8.174	VV	7617	78636	0.07%	0.005%
100	8.191	8.174	8.208	PV	1343	14099	0.01%	0.001%
101	8.241	8.208	8.261	VV	34543	395093	0.34%	0.024%
102	8.283	8.261	8.311	VV	6513	138912	0.12%	0.008%
103	8.345	8.311	8.363	VV	4668	73894	0.06%	0.005%
104	8.403	8.363	8.416	VV	8546	168018	0.14%	0.010%
105	8.427	8.416	8.455	VV	7886	132846	0.11%	0.008%
106	8.516	8.455	8.553	VV	31765	743980	0.64%	0.045%
107	8.573	8.553	8.595	VV	13034	154093	0.13%	0.009%
108	8.622	8.595	8.637	VV	70785	771995	0.66%	0.047%
109	8.650	8.637	8.664	VV	50152	515123	0.44%	0.031%
110	8.678	8.664	8.721	VV	43721	588648	0.50%	0.036%
111	8.742	8.721	8.760	VV	17629	212800	0.18%	0.013%
112	8.816	8.760	8.883	VV	969825	12042819	10.29%	0.734%
113	8.901	8.883	8.936	VV	30623	380477	0.33%	0.023%
114	8.945	8.936	8.964	VV	2542	29765	0.03%	0.002%
115	9.012	8.964	9.036	VV	4687	92641	0.08%	0.006%
116	9.059	9.036	9.087	VV	89293	889919	0.76%	0.054%
117	9.110	9.087	9.130	VV	74674	739207	0.63%	0.045%
118	9.153	9.130	9.176	VV	57417	671322	0.57%	0.041%
119	9.184	9.176	9.203	VV	6447	67730	0.06%	0.004%
120	9.226	9.203	9.238	VV	28134	300207	0.26%	0.018%
121	9.254	9.238	9.292	VV	46660	605829	0.52%	0.037%
122	9.328	9.292	9.337	VV	18363	269966	0.23%	0.016%
123	9.352	9.337	9.364	VV	25212	312100	0.27%	0.019%
124	9.389	9.364	9.451	VV	605513	6489611	5.54%	0.396%
125	9.477	9.451	9.498	VV	13642	192747	0.16%	0.012%
126	9.524	9.498	9.545	VV	55505	657063	0.56%	0.040%
127	9.565	9.545	9.604	VV	79372	971145	0.83%	0.059%
128	9.623	9.604	9.647	VV	19814	224632	0.19%	0.014%
129	9.682	9.647	9.698	VV	79135	990230	0.85%	0.060%
130	9.715	9.698	9.735	VV	86218	911301	0.78%	0.056%
131	9.768	9.735	9.791	VV	123585	1567360	1.34%	0.096%
132	9.821	9.791	9.843	VV	88797	1278892	1.09%	0.078%
133	9.864	9.843	9.882	VV	100604	1139995	0.97%	0.069%
134	9.908	9.882	9.957	VV	556233	6726693	5.75%	0.410%
135	9.985	9.957	10.017	VV	96023	1582044	1.35%	0.096%
136	10.053	10.017	10.072	VV	75678	1213429	1.04%	0.074%
137	10.081	10.072	10.096	VV	31225	339314	0.29%	0.021%
138	10.117	10.096	10.148	VV	48353	762141	0.65%	0.046%
139	10.180	10.148	10.205	VV	86355	1456019	1.24%	0.089%
140	10.230	10.205	10.256	VV	278239	3140008	2.68%	0.191%
141	10.276	10.256	10.297	VV	37718	603228	0.52%	0.037%

Instrument :

FID_E

ClientSampleId :

2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

				rteres				
142	10.333	10.297	10.375	VV	421038	5545705	4.74%	0.338%
143	10.394	10.375	10.446	VV	77130	1185016		
144	10.491	10.446	10.552	VV	28891	821687		
145	10.603	10.552	10.631	PV	10382	222002		
146	10.654	10.631	10.684	VV	43277	727924		
147	10.700	10.684	10.726	VV	21891	354382		
148	10.764	10.726	10.776	VV	77336	1343381	1.15%	0.082%
149	10.795	10.776	10.819	VV	147479	2207184	1.89%	0.135%
150	10.837	10.819	10.872	VV	91148	1376898	1.18%	0.084%
151	10.913	10.872	10.946	VV	107456	1960474	1.67%	0.120%
152	10.992	10.946	11.029	VV	1069953	16399996	14.01%	1.000%
153	11.089	11.029	11.100	VV	189113	2980161	2.55%	0.182%
154	11.127	11.100	11.161	VV	501850	8333107	7.12%	0.508%
155	11.189	11.161	11.201	VV	34180	617871	0.53%	0.038%
156	11.228	11.201	11.268	VV	90730	2293819	1.96%	0.140%
157	11.375	11.268	11.397	VV	5092988	117045105	100.00%	7.135%
158	11.433	11.397	11.472	VV	2357401	30629404	26.17%	1.867%
159	11.490	11.472	11.514	VV	97385	1161512	0.99%	0.071%
160	11.535	11.514	11.554	VV	52004	712390	0.61%	0.043%
161	11.579	11.554	11.596	VV	189818	2236311	1.91%	0.136%
162	11.627	11.596	11.666	VV	994202	13042470	11.14%	0.795%
163	11.695	11.666	11.706	VV	31028	550456	0.47%	0.034%
164	11.728	11.706	11.741	VV	71907	1058919	0.90%	0.065%
165	11.750	11.741	11.777	VV	61332	791418	0.68%	0.048%
166	11.852	11.777	11.881	VV	339084	7558184	6.46%	0.461%
167	11.928	11.881	11.960	VV	121919	3669653	3.14%	0.224%
168	11.982	11.960	12.002	VV	115304	1770698	1.51%	0.108%
169	12.031	12.002	12.070	VV	209378	3586106	3.06%	0.219%
170	12.098	12.070	12.116	VV	664560	7935911	6.78%	0.484%
171	12.142	12.116	12.157	VV	715365	10034461	8.57%	0.612%
172	12.177	12.157	12.204	VV	1130653	12978898	11.09%	0.791%
173	12.261	12.204	12.277	VV	594696	12416703	10.61%	0.757%
174	12.292	12.277	12.306	VV	445872	5234319	4.47%	0.319%
175	12.325	12.306	12.344	VV	692846	8418271	7.19%	0.513%
176	12.359	12.344	12.376	VV	84350	1134161	0.97%	0.069%
177	12.398	12.376	12.438	VV	134978	2539711	2.17%	0.155%
178	12.463	12.438	12.484	VV	90909	1457305	1.25%	0.089%
179	12.523	12.484	12.574	VV	527824	8803787	7.52%	0.537%
180	12.607	12.574	12.629	VV	636025	7989135	6.83%	0.487%
181	12.640	12.629	12.651	VV	67831	790626	0.68%	0.048%
182	12.668	12.651	12.685	VV	93801	1473161	1.26%	0.090%
183	12.699	12.685	12.729	VV	85668	1402877	1.20%	0.086%
184	12.752	12.729	12.772	VV	74794	1265978	1.08%	0.077%
185	12.788	12.772	12.804	VV	43409	743258	0.64%	0.045%
186	12.843	12.804	12.869	VV	203633	4271447	3.65%	0.260%
187	12.878	12.869	12.898	VV	110173	1464539	1.25%	0.089%
188	12.927	12.898	12.982	VV	187750	4321975	3.69%	0.263%
189	13.040	12.982	13.074	VV	703921	14501633	12.39%	0.884%
190	13.104	13.074	13.138	VV	171572	5648477	4.83%	0.344%
191	13.217	13.138	13.234	VV	4238495	106862608	91.30%	6.515%
192	13.246	13.234	13.268	VV	119340	1614712	1.38%	0.098%
193	13.321	13.268	13.342	VV	1143834	15992874	13.66%	0.975%
194	13.363	13.342	13.386	VV	408299	5475856	4.68%	0.334%

Instrument :

FID_E

ClientSampleId :

2

4.74% 0.338%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

				rteres				
247	16.421	16.378	16.436	VV	177892	3862388	3.30%	0.235%
248	16.444	16.436	16.484	VV	165707	3675646		
249	16.506	16.484	16.544	VV	103842	2672754		
250	16.585	16.544	16.605	VV	82940	2553143		
251	16.627	16.605	16.649	VV	100735	2098346		
252	16.728	16.649	16.759	VV	193897	9260899		
253	16.831	16.759	16.885	VV	166306	8097747	6.92%	0.494%
254	16.977	16.885	17.033	VV	1942492	69811160	59.64%	4.256%
255	17.083	17.033	17.126	VV	720585	15147126	12.94%	0.923%
256	17.152	17.126	17.165	VV	100172	2268920	1.94%	0.138%
257	17.222	17.165	17.241	VV	310399	9286114	7.93%	0.566%
258	17.292	17.241	17.321	VV	1083429	31886561	27.24%	1.944%
259	17.366	17.321	17.404	VV	1966910	41103199	35.12%	2.506%
260	17.445	17.404	17.461	VV	846835	13117782	11.21%	0.800%
261	17.475	17.461	17.513	VV	260127	5101902	4.36%	0.311%
262	17.568	17.513	17.604	VV	225374	8877639	7.58%	0.541%
263	17.624	17.604	17.643	VV	138160	2451668	2.09%	0.149%
264	17.702	17.643	17.760	VV	255336	10478972	8.95%	0.639%
265	17.822	17.760	17.880	VV	214556	9977416	8.52%	0.608%
266	17.907	17.880	17.923	VV	183045	3533718	3.02%	0.215%
267	17.935	17.923	17.958	VV	152862	2486902	2.12%	0.152%
268	17.987	17.958	18.055	VV	227854	7678408	6.56%	0.468%
269	18.073	18.055	18.089	VV	109654	1865564	1.59%	0.114%
270	18.109	18.089	18.144	VV	128789	3255593	2.78%	0.198%
271	18.162	18.144	18.193	VV	68377	1818207	1.55%	0.111%
272	18.263	18.193	18.289	VV	145596	5506235	4.70%	0.336%
273	18.311	18.289	18.345	VV	205374	4547650	3.89%	0.277%
274	18.404	18.345	18.429	VV	226058	7033848	6.01%	0.429%
275	18.495	18.429	18.572	VV	325582	17655977	15.08%	1.076%
276	18.616	18.572	18.666	VV	555953	16365905	13.98%	0.998%
277	18.746	18.666	18.778	VV	1287156	40855942	34.91%	2.491%
278	18.789	18.778	18.814	VV	319732	5415757	4.63%	0.330%
279	18.847	18.814	18.862	VV	521991	9905192	8.46%	0.604%
280	18.879	18.862	18.907	VV	514862	10794506	9.22%	0.658%
281	18.920	18.907	18.944	VV	293374	5369854	4.59%	0.327%
282	19.009	18.944	19.040	VV	1205382	33102067	28.28%	2.018%
283	19.062	19.040	19.091	VV	286236	7701635	6.58%	0.470%
284	19.122	19.091	19.161	VV	550821	12509374	10.69%	0.763%
285	19.194	19.161	19.234	VV	169569	5764172	4.92%	0.351%
286	19.242	19.234	19.254	VV	116147	1370987	1.17%	0.084%
287	19.275	19.254	19.316	VV	167467	5033866	4.30%	0.307%
288	19.338	19.316	19.361	VV	152802	3471085	2.97%	0.212%
289	19.390	19.361	19.423	VV	200596	5749528	4.91%	0.351%
290	19.445	19.423	19.457	VV	155106	2867684	2.45%	0.175%
291	19.480	19.457	19.501	VV	200129	4033358	3.45%	0.246%
292	19.518	19.501	19.526	VV	142510	1990171	1.70%	0.121%
293	19.537	19.526	19.560	VV	143901	2738113	2.34%	0.167%
294	19.577	19.560	19.613	VV	144779	3893229	3.33%	0.237%
295	19.650	19.613	19.728	VV	201224	9054082	7.74%	0.552%
296	19.810	19.728	19.861	VV	125332	8515417	7.28%	0.519%
297	19.878	19.861	19.908	VV	116129	3131577	2.68%	0.191%
298	19.917	19.908	19.927	VV	114405	1301842	1.11%	0.079%
299	19.970	19.927	20.021	VV	142089	6667365	5.70%	0.406%

Instrument :

FID_E

ClientSampleId :

2

3.30% 0.235%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

Instrument :

FID_E

ClientSampleId :

2

rteres

300	20.137	20.021	20.167	VV	468833	20765377	17.74%	1.266%
301	20.205	20.167	20.236	VV	629309	16689168	14.06%	0.744%
302	20.261	20.236	20.282	VV	335218	7664653	6.02%	0.401%
303	20.296	20.282	20.318	VV	283723	5215776	4.47%	0.319%
304	20.331	20.318	20.359	VV	209858	4161756	3.34%	0.238%
305	20.411	20.359	20.447	VV	224744	8056520	6.02%	0.401%
306	20.529	20.447	20.556	VV	698577	20603867	17.60%	1.256%
307	20.586	20.556	20.636	VV	346935	12209197	10.43%	0.744%
308	20.663	20.636	20.694	VV	268624	6573316	5.62%	0.401%
309	20.704	20.694	20.724	VV	146595	2567230	2.19%	0.157%
310	20.788	20.724	20.825	VV	141801	7716157	6.59%	0.470%
311	20.849	20.825	20.911	VV	114392	5222040	4.46%	0.318%
312	20.930	20.911	20.956	VV	94773	2352885	2.01%	0.143%
313	20.984	20.956	21.059	VV	97502	5232442	4.47%	0.319%
314	21.077	21.059	21.151	VV	80236	3905886	3.34%	0.238%
315	21.187	21.151	21.259	VV	80714	4232439	3.62%	0.258%
316	21.275	21.259	21.314	VV	56144	1701872	1.45%	0.104%
317	21.347	21.314	21.384	VV	58598	2292953	1.96%	0.140%
318	21.392	21.384	21.504	VV	52874	3096810	2.65%	0.189%
319	21.578	21.504	21.636	VV	82804	4504700	3.85%	0.275%
320	21.668	21.636	21.710	VV	58700	1932443	1.65%	0.118%
321	21.790	21.710	21.834	VV	61452	3080765	2.63%	0.188%
322	21.887	21.834	21.922	VV	66485	2589805	2.21%	0.158%
323	22.008	21.922	22.057	VV	117437	6316380	5.40%	0.385%
324	22.071	22.057	22.141	VV	55656	1667041	1.42%	0.102%
325	22.177	22.141	22.201	VV	26867	748390	0.64%	0.046%
326	22.222	22.201	22.276	VV	34903	831840	0.71%	0.051%
327	22.324	22.276	22.368	PV	61710	1413388	1.21%	0.086%
Sum of corrected areas:					1640321014			

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

Aliphatic EPH 080125.M Thu Aug 21 02:23:51 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/12/25
Project:	507 Franklin Ave	Date Received:	08/13/25
Client Sample ID:	2DL	SDG No.:	Q2868
Lab Sample ID:	Q2868-04DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055421.D	20	08/20/25	08/21/25	PB169321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	800		19.8	86.8	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	342		25.6	43.4	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	6.51		40 - 140	260%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	3.33		40 - 140	133%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2868-04DL	Acq On:	21 Aug 2025 10:41
Client Sample ID:	2DL	Operator:	YP\AJ
Data file:	FE055421.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.954	329091	2.818	300	ug/ml
Aliphatic C12-C16	6.955	10.407	2058101	16.435	200	ug/ml
Aliphatic C16-C21	10.408	13.787	35211118	278.558	300	ug/ml
Aliphatic C21-C28	13.788	17.460	31235850	259.206	400	ug/ml
Aliphatic C28-C40	17.461	22.485	27013055	236.983	600	ug/ml
Aliphatic EPH	3.319	22.485	95847215	794.001		ug/ml
ortho-Terphenyl (SURR)	12.083	12.083	475169	3.33		ug/ml
1-chlorooctadecane (SURR)	13.536	13.536	699656	6.51		ug/ml
Aliphatic C9-C28	3.319	17.460	68834160	557.017	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
 Data File : FE055421.D
 Signal(s) : FID1B.ch
 Acq On : 21 Aug 2025 10:41
 Operator : YP\AJ
 Sample : Q2868-04DL 20X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 2DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2025
 Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
 Quant Time: Aug 22 01:15:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.083	475169	3.327 ug/mlm
Spiked Amount 50.000		Recovery =	6.65%
12) S 1-chlorooctadecane (S...	13.536	699656	6.507 ug/mlm
Spiked Amount 50.000		Recovery =	13.01%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
Data File : FE055421.D
Signal(s) : FID1B.ch
Acq On : 21 Aug 2025 10:41
Operator : YP\AJ
Sample : Q2868-04DL 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

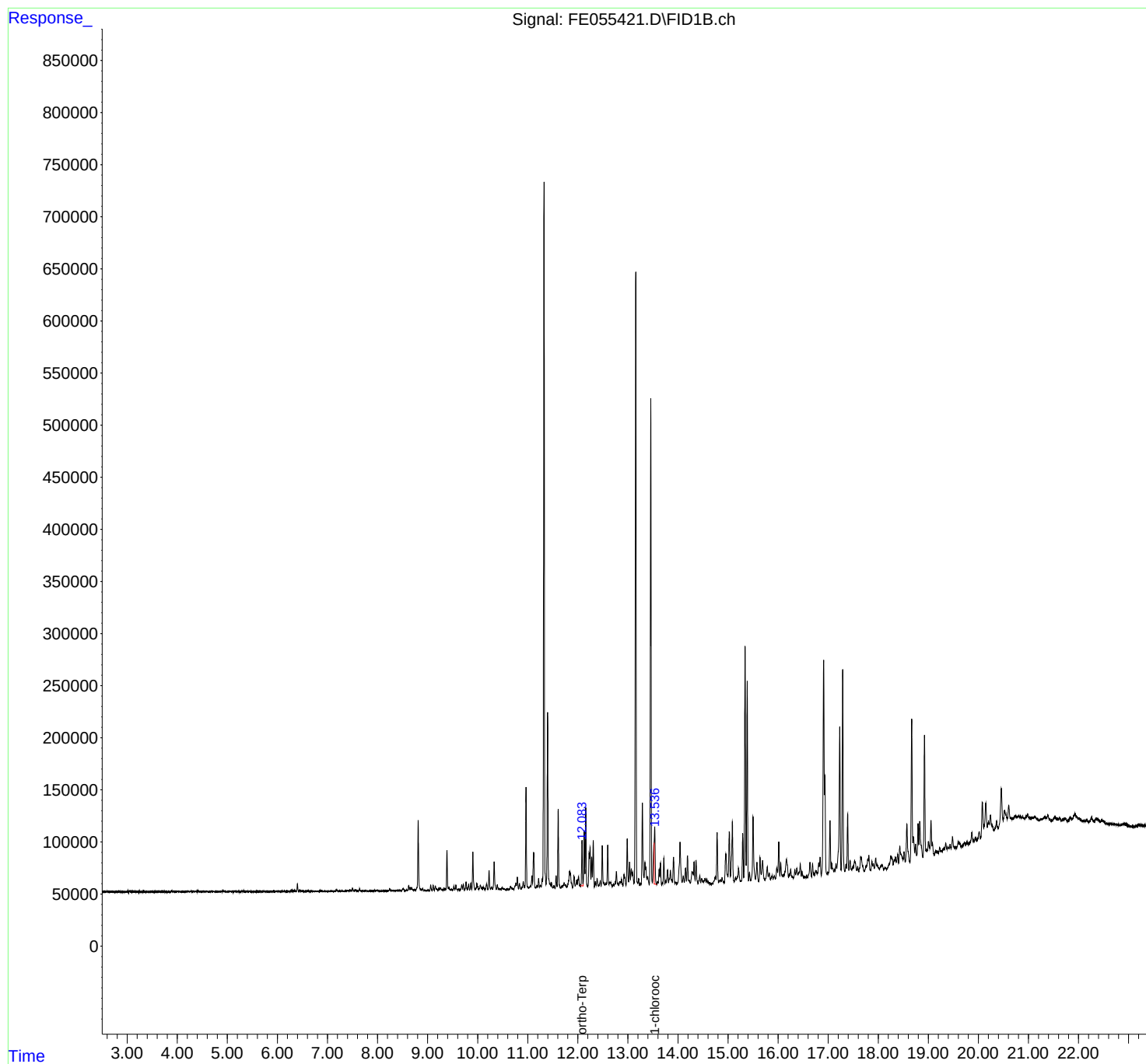
Instrument :
FID_E
ClientSampleId :
2DL

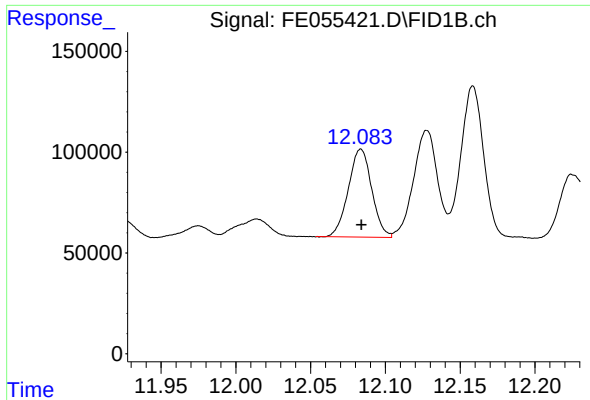
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
Quant Time: Aug 22 01:15:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





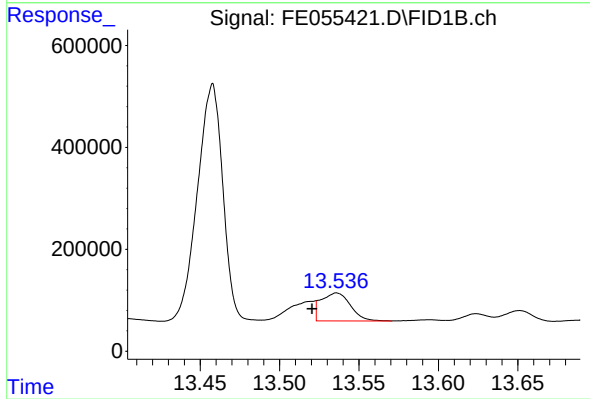
#9 ortho-Terphenyl (SURR)

R.T.: 12.083 min
Delta R.T.: -0.001 min
Response: 475169
Conc: 3.33 ug/ml

Instrument :
FID_E
ClientSampleId :
2DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.536 min
Delta R.T.: 0.015 min
Response: 699656
Conc: 6.51 ug/ml m

Instrument :

FID_E

ClientSampleId :

2DL

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025

Supervised By :mohammad ahmed 08/25/2025

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE08212
Data File : FE055421.D
Signal(s) : FID1B.ch
Acq On : 21 Aug 2025 10:41
Sample : Q2868-04DL 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.833	2.805	2.944	BV	229	5698	0.08%	0.006%
2	2.959	2.944	3.012	VV	123	2098	0.03%	0.002%
3	3.054	3.012	3.096	VV	641	8759	0.12%	0.009%
4	3.132	3.096	3.148	VV	148	2590	0.03%	0.003%
5	3.157	3.148	3.196	VV	143	2371	0.03%	0.002%
6	3.208	3.196	3.225	VV	152	1421	0.02%	0.001%
7	3.228	3.225	3.242	VV	110	807	0.01%	0.001%
8	3.265	3.242	3.301	VV	205	4111	0.05%	0.004%
9	3.311	3.301	3.341	VV	190	2511	0.03%	0.003%
10	3.347	3.341	3.401	PV	142	3274	0.04%	0.003%
11	3.415	3.401	3.447	VV	154	2821	0.04%	0.003%
12	3.463	3.447	3.480	VV	102	1610	0.02%	0.002%
13	3.492	3.480	3.544	VV	121	2870	0.04%	0.003%
14	3.571	3.544	3.582	PV	138	1982	0.03%	0.002%
15	3.597	3.582	3.609	VV	136	1442	0.02%	0.001%
16	3.629	3.609	3.708	VV	142	6575	0.09%	0.007%
17	3.719	3.708	3.757	VV	187	3649	0.05%	0.004%
18	3.826	3.811	3.837	VV	145	1555	0.02%	0.002%
19	3.891	3.837	3.971	VV	529	13614	0.18%	0.014%
20	4.006	3.971	4.101	VV	673	13648	0.18%	0.014%
21	4.110	4.101	4.125	VV	164	1609	0.02%	0.002%
22	4.137	4.125	4.163	VV	119	2031	0.03%	0.002%
23	4.212	4.163	4.241	VV	735	10785	0.14%	0.011%
24	4.248	4.241	4.278	VV	165	3308	0.04%	0.003%
25	4.309	4.295	4.318	VV	355	2688	0.04%	0.003%
26	4.379	4.354	4.405	VV	480	8189	0.11%	0.008%
27	4.478	4.471	4.488	VV	185	1416	0.02%	0.001%
28	4.501	4.488	4.522	VV	185	2716	0.04%	0.003%
29	4.558	4.522	4.664	VV	188	9793	0.13%	0.010%
30	4.680	4.664	4.728	VV	214	4968	0.07%	0.005%
31	4.742	4.728	4.763	VV	143	2260	0.03%	0.002%
32	4.773	4.763	4.785	VV	139	1386	0.02%	0.001%
33	4.988	4.971	5.031	VV	143	3369	0.04%	0.003%
34	5.137	5.129	5.150	VV	187	1835	0.02%	0.002%
35	5.188	5.150	5.255	VV	270	9195	0.12%	0.009%
36	5.257	5.255	5.265	VV	89	285	0.00%	0.000%

					retention			
37	5.418	5.388	5.435	VV	176	2725	0.04%	0.003%
38	5.592	5.553	5.613	PV	234	4417	0.04%	0.003%
39	5.634	5.613	5.674	VV	154	3003	0.04%	0.003%
40	5.682	5.674	5.689	VV	136	883	0.04%	0.003%
41	5.724	5.714	5.743	PV	147	1515	0.05%	0.004%
42	5.827	5.815	5.834	VV	108	754	0.02%	0.002%
43	5.871	5.834	5.906	VV	185	3819	0.02%	0.002%
44	5.986	5.953	5.998	VV	76	1602	0.02%	0.002%
45	6.011	5.998	6.058	VV	106	1806	0.02%	0.002%
46	6.095	6.058	6.115	VV	599	9400	0.12%	0.010%
47	6.135	6.115	6.185	VV	509	10045	0.13%	0.010%
48	6.191	6.185	6.228	VV	95	1799	0.02%	0.002%
49	6.335	6.311	6.347	VV	658	8716	0.12%	0.009%
50	6.358	6.347	6.376	VV	562	7317	0.10%	0.008%
51	6.400	6.376	6.430	VV	7401	75966	1.01%	0.078%
52	6.451	6.430	6.501	VV	975	18865	0.25%	0.019%
53	6.512	6.501	6.536	VV	466	6064	0.08%	0.006%
54	6.621	6.605	6.658	VV	300	7469	0.10%	0.008%
55	6.670	6.658	6.734	VV	337	10897	0.14%	0.011%
56	6.756	6.734	6.788	VV	302	6782	0.09%	0.007%
57	6.859	6.835	6.919	VV	805	16810	0.22%	0.017%
58	6.926	6.919	7.029	VV	278	9564	0.13%	0.010%
59	7.067	7.029	7.118	VV	450	9997	0.13%	0.010%
60	7.176	7.118	7.225	PV	1182	25312	0.34%	0.026%
61	7.246	7.225	7.259	VV	419	6542	0.09%	0.007%
62	7.291	7.259	7.316	VV	527	10216	0.14%	0.011%
63	7.406	7.316	7.420	VV	618	24131	0.32%	0.025%
64	7.449	7.420	7.482	VV	799	26027	0.34%	0.027%
65	7.501	7.482	7.527	VV	3074	36052	0.48%	0.037%
66	7.604	7.593	7.615	VV	322	3718	0.05%	0.004%
67	7.639	7.615	7.697	VV	1972	31885	0.42%	0.033%
68	7.767	7.728	7.790	VV	339	10101	0.13%	0.010%
69	7.800	7.790	7.828	VV	250	4634	0.06%	0.005%
70	7.848	7.828	7.881	VV	232	5807	0.08%	0.006%
71	7.888	7.881	7.900	VV	200	1622	0.02%	0.002%
72	7.948	7.900	7.973	VV	496	11802	0.16%	0.012%
73	7.988	7.973	8.051	VV	561	11436	0.15%	0.012%
74	8.101	8.051	8.127	VV	309	6530	0.09%	0.007%
75	8.151	8.127	8.175	VV	490	5497	0.07%	0.006%
76	8.288	8.276	8.311	VV	569	8496	0.11%	0.009%
77	8.346	8.311	8.362	VV	375	7146	0.09%	0.007%
78	8.404	8.362	8.417	VV	630	14253	0.19%	0.015%
79	8.431	8.417	8.457	VV	616	11019	0.15%	0.011%
80	8.516	8.457	8.553	VV	2033	53796	0.71%	0.055%
81	8.578	8.553	8.598	VV	1161	17914	0.24%	0.018%
82	8.622	8.598	8.638	VV	4925	56766	0.75%	0.058%
83	8.651	8.638	8.665	VV	3352	35808	0.47%	0.037%
84	8.678	8.665	8.724	VV	3317	58539	0.77%	0.060%
85	8.743	8.724	8.760	VV	1330	17854	0.24%	0.018%
86	8.901	8.884	8.961	VV	2078	31650	0.42%	0.033%
87	9.015	8.961	9.037	VV	394	10626	0.14%	0.011%
88	9.062	9.037	9.091	VV	5495	62026	0.82%	0.064%
89	9.111	9.091	9.131	VV	5104	57430	0.76%	0.059%

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Supervised By :mohammad ahmed 08/25/2025

					rters			
90	9.154	9.131	9.206	VV	4599	87828	1.16%	0.090%
91	9.225	9.206	9.240	VV	2196	28241		
92	9.255	9.240	9.293	VV	2825	45541		
93	9.350	9.293	9.363	VV	1849	45156		
94	9.425	9.412	9.463	VV	2673	48522		
95	9.524	9.498	9.546	VV	4220	56246		
96	9.565	9.546	9.608	VV	5229	71060	0.94%	0.073%
97	9.623	9.608	9.645	VV	1425	17270	0.23%	0.018%
98	9.714	9.699	9.736	VV	5721	60852	0.81%	0.063%
99	9.767	9.736	9.788	VV	8081	100009	1.32%	0.103%
100	9.819	9.788	9.841	VV	5780	86792	1.15%	0.089%
101	9.863	9.841	9.881	VV	6818	76663	1.01%	0.079%
102	9.984	9.957	10.033	VV	6446	123021	1.63%	0.127%
103	10.053	10.033	10.072	VV	4904	72778	0.96%	0.075%
104	10.081	10.072	10.096	VV	2195	24781	0.33%	0.026%
105	10.178	10.149	10.204	VV	5916	98841	1.31%	0.102%
106	10.228	10.204	10.255	VV	18823	213243	2.82%	0.220%
107	10.274	10.255	10.295	VV	2489	44542	0.59%	0.046%
108	10.392	10.372	10.448	VV	5082	82083	1.09%	0.085%
109	10.491	10.448	10.517	VV	1803	44675	0.59%	0.046%
110	10.529	10.517	10.551	VV	867	11526	0.15%	0.012%
111	10.603	10.551	10.635	PV	638	16082	0.21%	0.017%
112	10.655	10.635	10.718	VV	3241	70859	0.94%	0.073%
113	10.763	10.718	10.775	VV	6208	114316	1.51%	0.118%
114	10.792	10.775	10.816	VV	12035	154806	2.05%	0.159%
115	10.835	10.816	10.867	VV	5868	82151	1.09%	0.085%
116	10.911	10.867	10.940	VV	7414	138072	1.83%	0.142%
117	11.051	11.015	11.060	VV	3108	57703	0.76%	0.059%
118	11.083	11.060	11.095	VV	12923	158243	2.09%	0.163%
119	11.119	11.095	11.155	VV	35102	544734	7.21%	0.561%
120	11.184	11.155	11.197	VV	3138	58331	0.77%	0.060%
121	11.217	11.197	11.236	VV	10227	125096	1.66%	0.129%
122	11.249	11.236	11.269	VV	2984	51089	0.68%	0.053%
123	11.325	11.269	11.365	VV	678875	7555607	100.00%	7.779%
124	11.397	11.365	11.459	VV	168085	2052465	27.16%	2.113%
125	11.474	11.459	11.501	VV	5875	82225	1.09%	0.085%
126	11.522	11.501	11.543	VV	2858	43052	0.57%	0.044%
127	11.566	11.543	11.584	VV	12280	138373	1.83%	0.142%
128	11.607	11.584	11.658	VV	76021	846930	11.21%	0.872%
129	11.686	11.658	11.700	VV	2307	38842	0.51%	0.040%
130	11.727	11.700	11.745	VV	5475	96016	1.27%	0.099%
131	11.754	11.745	11.781	VV	3064	48709	0.64%	0.050%
132	11.924	11.893	11.947	VV	10759	169688	2.25%	0.175%
133	12.014	11.989	12.055	VV	11065	221292	2.93%	0.228%
134	12.084	12.055	12.104	VV	45666	535480	7.09%	0.551%
135	12.128	12.104	12.142	VV	55105	631922	8.36%	0.651%
136	12.159	12.142	12.199	VV	76975	853150	11.29%	0.878%
137	12.243	12.199	12.261	VV	39295	793028	10.50%	0.817%
138	12.276	12.261	12.290	VV	29210	340103	4.50%	0.350%
139	12.308	12.290	12.332	VV	45201	542396	7.18%	0.558%
140	12.349	12.332	12.365	VV	5862	73169	0.97%	0.075%
141	12.386	12.365	12.416	VV	8575	134404	1.78%	0.138%

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rteres							2DL	
142	12.447	12.416	12.464	VV	6391	101821	1.35%	0.105%
143	12.488	12.464	12.541	VV	40057	533713	7.93%	0.617%
144	12.559	12.541	12.571	VV	3916	58224	4.08%	0.317%
145	12.597	12.571	12.621	VV	40514	478860	6.93%	0.544%
146	12.636	12.621	12.646	VV	4972	61714	3.11%	0.242%
147	12.652	12.646	12.688	VV	4442	69554	7.93%	0.617%
148	12.712	12.688	12.724	VV	2268	37500	0.50%	0.039%
149	12.770	12.724	12.817	VV	14811	297376	3.94%	0.306%
150	12.873	12.817	12.901	VV	7405	212057	2.81%	0.218%
151	12.922	12.901	12.961	VV	12063	235014	3.11%	0.242%
152	12.987	12.961	13.014	VV	46232	599414	7.93%	0.617%
153	13.034	13.014	13.051	VV	23705	308005	4.08%	0.317%
154	13.068	13.051	13.085	VV	16542	257061	3.40%	0.265%
155	13.097	13.085	13.121	VV	13512	200667	2.66%	0.207%
156	13.157	13.121	13.198	VV	590460	6873494	90.97%	7.077%
157	13.214	13.198	13.233	VV	7592	92109	1.22%	0.095%
158	13.249	13.233	13.260	VV	3033	37087	0.49%	0.038%
159	13.290	13.260	13.322	VV	79997	1073942	14.21%	1.106%
160	13.341	13.322	13.352	VV	23174	303296	4.01%	0.312%
161	13.357	13.352	13.379	VV	17726	212031	2.81%	0.218%
162	13.395	13.379	13.424	VV	9257	171390	2.27%	0.176%
163	13.457	13.424	13.488	VV	467496	5239457	69.35%	5.395%
164	13.536	13.488	13.572	VV	56512	1244918	16.48%	1.282%
165	13.594	13.572	13.604	VV	4077	57095	0.76%	0.059%
166	13.624	13.604	13.635	VV	15823	182145	2.41%	0.188%
167	13.651	13.635	13.675	VV	22019	278934	3.69%	0.287%
168	13.718	13.675	13.743	VV	26873	362311	4.80%	0.373%
169	13.755	13.743	13.766	VV	4696	52313	0.69%	0.054%
170	13.793	13.766	13.812	VV	15058	234674	3.11%	0.242%
171	13.850	13.812	13.887	VV	14520	328460	4.35%	0.338%
172	13.912	13.887	13.941	VV	27000	402986	5.33%	0.415%
173	13.959	13.941	13.980	VV	2672	52315	0.69%	0.054%
174	14.042	13.980	14.083	VV	41268	875515	11.59%	0.901%
175	14.107	14.083	14.127	VV	8434	145196	1.92%	0.149%
176	14.152	14.127	14.170	VV	16507	238656	3.16%	0.246%
177	14.191	14.170	14.247	VV	28289	449288	5.95%	0.463%
178	14.282	14.247	14.308	VV	12893	321830	4.26%	0.331%
179	14.322	14.308	14.343	VV	22139	286489	3.79%	0.295%
180	14.362	14.343	14.401	VV	23504	340785	4.51%	0.351%
181	14.436	14.401	14.455	VV	8738	153937	2.04%	0.158%
182	14.506	14.496	14.511	VV	3454	29917	0.40%	0.031%
183	14.542	14.511	14.560	VV	5894	126620	1.68%	0.130%
184	14.574	14.560	14.590	VV	6017	70221	0.93%	0.072%
185	14.600	14.590	14.616	VV	3279	37270	0.49%	0.038%
186	14.629	14.616	14.651	VV	2245	26662	0.35%	0.027%
187	14.684	14.651	14.697	PV	1080	16954	0.22%	0.017%
188	14.745	14.697	14.759	VV	7295	151338	2.00%	0.156%
189	14.782	14.759	14.814	VV	49467	620026	8.21%	0.638%
190	14.842	14.814	14.861	VV	3776	83535	1.11%	0.086%
191	14.882	14.861	14.917	VV	5552	107890	1.43%	0.111%
192	14.957	14.917	14.997	VV	28352	632537	8.37%	0.651%
193	15.026	14.997	15.048	VV	49738	766034	10.14%	0.789%
194	15.086	15.048	15.123	VV	58496	959618	12.70%	0.988%

195	15.147	15.123	15.163	VV	4620	79399	1.05%	0.082%
196	15.209	15.163	15.245	VV	14082	312814		
197	15.254	15.245	15.264	VV	1557	16432		
198	15.293	15.264	15.313	VV	45782	581122		
199	15.340	15.313	15.361	VV	226518	2744763	36.41%	1.044%
200	15.383	15.361	15.410	VV	190544	2211675	29.77%	0.930%
201	15.428	15.410	15.453	VV	9509	124403	1.65%	0.128%
202	15.499	15.453	15.545	VV	62489	1013528	13.41%	1.044%
203	15.577	15.545	15.611	VV	18505	293528	3.88%	0.302%
204	15.639	15.611	15.663	PV	22954	320345	4.24%	0.330%
205	15.689	15.663	15.736	VV	19447	396341	5.25%	0.408%
206	15.783	15.736	15.805	VV	13263	251234	3.33%	0.259%
207	15.823	15.805	15.848	VV	7281	116362	1.54%	0.120%
208	15.881	15.848	15.900	VV	4479	87841	1.16%	0.090%
209	15.924	15.900	15.946	VV	4389	76416	1.01%	0.079%
210	15.973	15.946	15.990	VV	11191	183297	2.43%	0.189%
211	16.013	15.990	16.035	VV	36322	500193	6.62%	0.515%
212	16.052	16.035	16.087	VV	16432	260739	3.45%	0.268%
213	16.100	16.087	16.110	VV	4218	52861	0.70%	0.054%
214	16.166	16.110	16.208	VV	19201	591356	7.83%	0.609%
215	16.250	16.208	16.305	VV	9347	221183	2.93%	0.228%
216	16.335	16.305	16.350	VV	8610	122387	1.62%	0.126%
217	16.374	16.350	16.395	VV	9545	168466	2.23%	0.173%
218	16.443	16.395	16.463	VV	13827	274905	3.64%	0.283%
219	16.478	16.463	16.515	VV	6463	95398	1.26%	0.098%
220	16.540	16.515	16.554	VV	1596	24093	0.32%	0.025%
221	16.571	16.554	16.590	VV	2788	29759	0.39%	0.031%
222	16.636	16.590	16.668	VV	14652	256599	3.40%	0.264%
223	16.688	16.668	16.711	VV	13271	173947	2.30%	0.179%
224	16.720	16.711	16.731	VV	4020	39998	0.53%	0.041%
225	16.749	16.731	16.778	VV	6112	129666	1.72%	0.134%
226	16.811	16.778	16.822	VV	13774	213190	2.82%	0.220%
227	16.839	16.822	16.863	VV	18975	275113	3.64%	0.283%
228	16.910	16.863	16.975	VV	208049	4197158	55.55%	4.322%
229	16.988	16.975	16.997	VV	3417	41276	0.55%	0.042%
230	17.037	16.997	17.059	VV	53354	752203	9.96%	0.774%
231	17.072	17.059	17.113	VV	11902	254109	3.36%	0.262%
232	17.130	17.113	17.140	VV	6349	84894	1.12%	0.087%
233	17.158	17.140	17.172	VV	11395	167450	2.22%	0.172%
234	17.231	17.172	17.258	VV	142096	2303995	30.49%	2.372%
235	17.291	17.258	17.332	VV	197154	2555673	33.82%	2.631%
236	17.355	17.332	17.366	VV	10339	145023	1.92%	0.149%
237	17.389	17.366	17.415	VV	58487	754262	9.98%	0.777%
238	17.437	17.415	17.471	VV	14093	281701	3.73%	0.290%
239	17.528	17.471	17.569	VV	12878	486151	6.43%	0.501%
240	17.589	17.569	17.609	VV	7304	119767	1.59%	0.123%
241	17.654	17.609	17.718	VV	15859	552600	7.31%	0.569%
242	17.812	17.718	17.847	VV	17285	624205	8.26%	0.643%
243	17.874	17.847	17.890	VV	11673	195211	2.58%	0.201%
244	17.902	17.890	17.922	VV	8649	131733	1.74%	0.136%
245	17.949	17.922	17.971	VV	14459	272730	3.61%	0.281%
246	17.982	17.971	18.025	VV	7541	179665	2.38%	0.185%

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rteres									
247	18.046	18.025	18.055	VV	6029	91889	1.22%	0.095%	
248	18.075	18.055	18.112	VV	7608	186871			
249	18.135	18.112	18.170	VV	4397	121135			
250	18.219	18.170	18.226	VV	7980	184613			
251	18.251	18.226	18.299	VV	15281	503675			
252	18.318	18.299	18.328	VV	11140	168334			
253	18.345	18.328	18.364	VV	13516	250318	3.31%	0.258%	
254	18.388	18.364	18.407	VV	16205	310224	4.11%	0.319%	
255	18.430	18.407	18.494	VV	23937	817522	10.82%	0.842%	
256	18.516	18.494	18.539	VV	18081	364318	4.82%	0.375%	
257	18.572	18.539	18.631	VV	44518	1112191	14.72%	1.145%	
258	18.668	18.631	18.691	VV	145370	2225505	29.46%	2.291%	
259	18.702	18.691	18.729	VV	32091	584117	7.73%	0.601%	
260	18.744	18.729	18.769	VV	24860	465950	6.17%	0.480%	
261	18.795	18.769	18.811	VV	44304	732621	9.70%	0.754%	
262	18.828	18.811	18.890	VV	46428	1277200	16.90%	1.315%	
263	18.923	18.890	18.966	VV	127032	2128075	28.17%	2.191%	
264	19.003	18.966	19.030	VV	26539	811938	10.75%	0.836%	
265	19.053	19.030	19.073	VV	46223	819120	10.84%	0.843%	
266	19.082	19.073	19.115	VV	24680	478048	6.33%	0.492%	
267	19.148	19.115	19.167	VV	17600	487374	6.45%	0.502%	
268	19.181	19.167	19.198	VV	16527	295071	3.91%	0.304%	
269	19.228	19.198	19.248	VV	19624	514558	6.81%	0.530%	
270	19.263	19.248	19.271	VV	16763	227989	3.02%	0.235%	
271	19.312	19.271	19.321	VV	18954	538740	7.13%	0.555%	
272	19.348	19.321	19.371	VV	23774	607635	8.04%	0.626%	
273	19.395	19.371	19.413	VV	19581	477520	6.32%	0.492%	
274	19.434	19.413	19.454	VV	22391	485901	6.43%	0.500%	
275	19.483	19.454	19.516	VV	28781	844339	11.18%	0.869%	
276	19.598	19.568	19.618	VV	23880	659587	8.73%	0.679%	
277	19.629	19.618	19.655	VV	22594	473204	6.26%	0.487%	
278	19.671	19.655	19.681	VV	20040	313261	4.15%	0.323%	
279	19.721	19.681	19.743	VV	22863	788676	10.44%	0.812%	
280	19.774	19.743	19.797	VV	23427	728465	9.64%	0.750%	
281	19.870	19.828	19.916	VV	32186	1352877	17.91%	1.393%	
282	19.936	19.916	19.971	VV	26792	837296	11.08%	0.862%	
283	20.014	19.971	20.042	VV	32167	1184836	15.68%	1.220%	
Sum of corrected areas:							97122499		

Instrument :

FID_E

ClientSampleId :

2DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025

Supervised By :mohammad ahmed 08/25/2025

Aliphatic EPH 080125.M Fri Aug 22 05:08:30 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	08/12/25
Project:	507 Franklin Ave	Date Received:	08/13/25
Client Sample ID:	3	SDG No.:	Q2868
Lab Sample ID:	Q2868-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/20/25 08:15	08/21/25 11:12	PB169321

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	433		10	9.68	42.5	mg/kg	FE055422.D
Total EPH	Total EPH	433			9.68	42.5	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/12/25
Project:	507 Franklin Ave	Date Received:	08/13/25
Client Sample ID:	3	SDG No.:	Q2868
Lab Sample ID:	Q2868-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055410.D	1	08/20/25	08/20/25	PB169321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	455	E	0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	209	E	1.26	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	56.3		40 - 140	113%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.0		40 - 140	90%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2868-05	Acq On:	20 Aug 2025 14:34
Client Sample ID:	3	Operator:	YP\AJ
Data file:	FE055410.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.956	2018502	17.284	300	ug/ml
Aliphatic C12-C16	6.957	10.409	35937202	286.976	200	ug/ml
Aliphatic C16-C21	10.410	13.790	397801693	3150	300	ug/ml
Aliphatic C21-C28	13.791	17.463	356980542	2960	400	ug/ml
Aliphatic C28-C40	17.464	22.490	336271376	2950	600	ug/ml
Aliphatic EPH	3.321	22.490	1129009315	9360		ug/ml
ortho-Terphenyl (SURR)	12.094	12.094	6424823	44.99		ug/ml
1-chlorooctadecane (SURR)	13.528	13.528	6057795	56.34		ug/ml
Aliphatic C9-C28	3.321	17.463	792737939	6410	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
 Data File : FE055410.D
 Signal(s) : FID1B.ch
 Acq On : 20 Aug 2025 14:34
 Operator : YP\AJ
 Sample : Q2868-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2025
 Supervised By :mohammad ahmed 08/22/2025

Integration File: autoint1.e
 Quant Time: Aug 21 01:19:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.094	6424823	44.991 ug/ml
Spiked Amount 50.000		Recovery =	89.98%
12) S 1-chlorooctadecane (S...	13.528	6057795	56.339 ug/mlm
Spiked Amount 50.000		Recovery =	112.68%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
Data File : FE055410.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 14:34
Operator : YP\AJ
Sample : Q2868-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

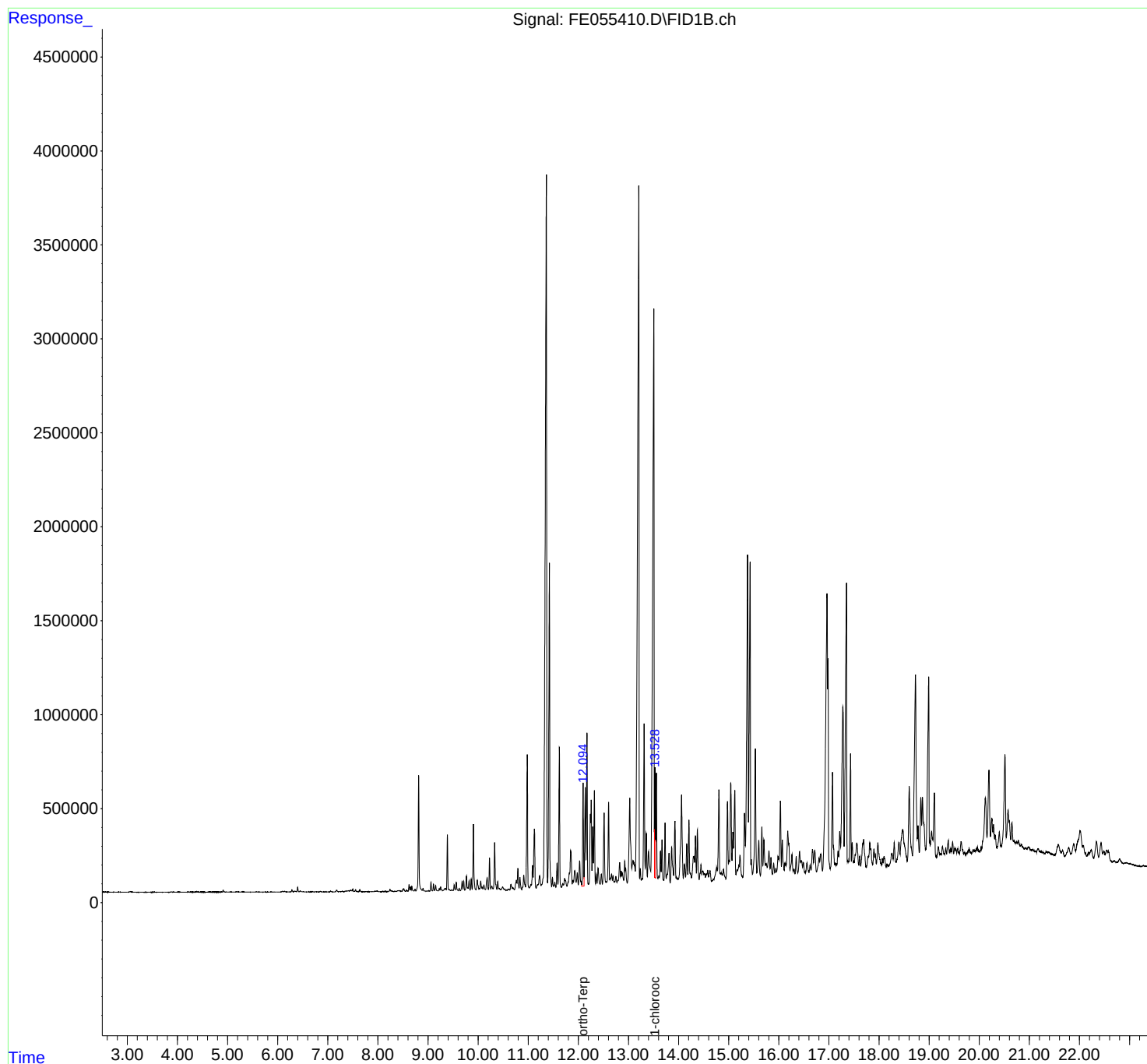
Instrument :
FID_E
ClientSampleId :
3

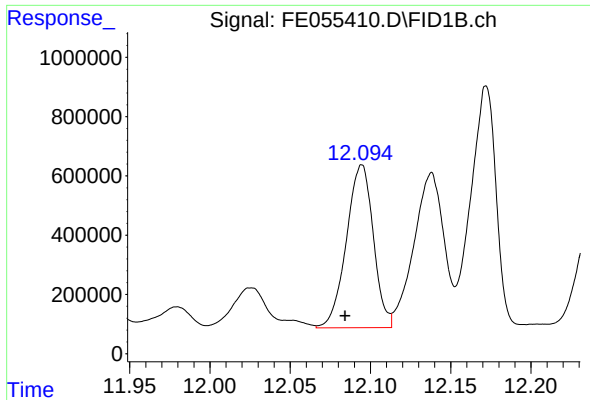
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

Integration File: autoint1.e
Quant Time: Aug 21 01:19:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





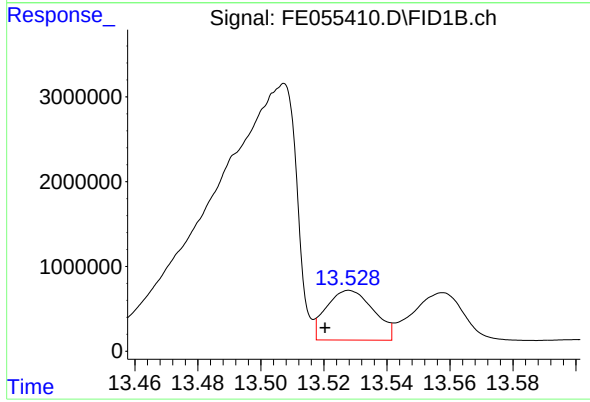
#9 ortho-Terphenyl (SURR)

R.T.: 12.094 min
Delta R.T.: 0.010 min
Response: 6424823
Conc: 44.99 ug/ml

Instrument :
FID_E
ClientSampleId :
3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.528 min
Delta R.T.: 0.007 min
Response: 6057795
Conc: 56.34 ug/ml m

rters

Instrument :

FID_E

ClientSampleId :

3

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE08202
Data File : FE055410.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 14:34
Sample : Q2868-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.846	2.804	2.898	BV	613	13066	0.02%	0.001%
2	2.923	2.898	2.951	VV	138	2096	0.00%	0.000%
3	2.988	2.951	3.013	PV	175	4422	0.01%	0.000%
4	3.056	3.013	3.138	VV	4049	71000	0.09%	0.006%
5	3.152	3.138	3.244	VV	292	7825	0.01%	0.001%
6	3.273	3.244	3.359	VV	241	8817	0.01%	0.001%
7	3.412	3.359	3.423	VV	199	4054	0.01%	0.000%
8	3.437	3.423	3.514	VV	197	4878	0.01%	0.000%
9	3.540	3.514	3.588	PV	454	8688	0.01%	0.001%
10	3.616	3.588	3.657	VV	231	6051	0.01%	0.001%
11	3.668	3.657	3.698	VV	193	3497	0.00%	0.000%
12	3.712	3.698	3.748	VV	213	3749	0.00%	0.000%
13	3.772	3.748	3.827	VV	320	6184	0.01%	0.001%
14	3.875	3.827	3.938	PV	1869	39180	0.05%	0.003%
15	3.947	3.938	3.971	VV	223	3402	0.00%	0.000%
16	4.005	3.971	4.074	VV	1551	27475	0.04%	0.002%
17	4.112	4.074	4.125	VV	204	5299	0.01%	0.000%
18	4.140	4.125	4.157	VV	208	2691	0.00%	0.000%
19	4.212	4.157	4.251	VV	3096	46688	0.06%	0.004%
20	4.265	4.251	4.308	VV	1512	23782	0.03%	0.002%
21	4.333	4.308	4.358	VV	743	12396	0.02%	0.001%
22	4.380	4.358	4.408	VV	3509	51480	0.07%	0.005%
23	4.422	4.408	4.497	VV	1660	36335	0.05%	0.003%
24	4.513	4.497	4.531	VV	335	5354	0.01%	0.000%
25	4.541	4.531	4.564	VV	283	3983	0.01%	0.000%
26	4.632	4.564	4.654	VV	246	8623	0.01%	0.001%
27	4.675	4.654	4.711	VV	476	8719	0.01%	0.001%
28	4.718	4.711	4.740	VV	257	3590	0.00%	0.000%
29	4.754	4.740	4.767	VV	272	3342	0.00%	0.000%
30	4.783	4.767	4.828	VV	252	7086	0.01%	0.001%
31	4.846	4.828	4.884	VV	616	8830	0.01%	0.001%
32	4.912	4.884	5.018	VV	10590	154231	0.20%	0.014%
33	5.057	5.018	5.112	VV	1679	40673	0.05%	0.004%
34	5.130	5.112	5.143	VV	556	8595	0.01%	0.001%
35	5.172	5.143	5.266	VV	2097	81369	0.11%	0.007%
36	5.301	5.266	5.370	VV	3447	74011	0.10%	0.007%

					retention			
37	5.383	5.370	5.408	VV	571	9377	0.01%	0.001%
38	5.439	5.408	5.459	VV	488	10160	0.01%	0.001%
39	5.499	5.459	5.516	VV	543	12020	0.01%	0.001%
40	5.528	5.516	5.547	VV	501	6840	0.01%	0.001%
41	5.567	5.547	5.580	VV	1495	17112	0.03%	0.002%
42	5.589	5.580	5.611	VV	1093	14438	0.03%	0.002%
43	5.624	5.611	5.679	VV	1284	21103	0.03%	0.002%
44	5.690	5.679	5.709	VV	293	3642	0.00%	0.000%
45	5.729	5.709	5.743	VV	580	6145	0.01%	0.001%
46	5.758	5.743	5.801	VV	776	9727	0.01%	0.001%
47	5.821	5.801	5.841	PV	352	5179	0.01%	0.000%
48	5.872	5.841	5.905	VV	1428	24180	0.03%	0.002%
49	5.930	5.905	5.958	VV	822	9190	0.01%	0.001%
50	5.987	5.958	5.996	VV	146	1910	0.00%	0.000%
51	6.024	5.996	6.041	PV	354	4868	0.01%	0.000%
52	6.095	6.041	6.116	VV	4848	83130	0.11%	0.007%
53	6.135	6.116	6.203	VV	4833	99779	0.13%	0.009%
54	6.214	6.203	6.223	VV	852	9057	0.01%	0.001%
55	6.250	6.223	6.263	VV	1520	29311	0.04%	0.003%
56	6.284	6.263	6.314	VV	12933	157173	0.21%	0.014%
57	6.333	6.314	6.347	VV	5737	74890	0.10%	0.007%
58	6.356	6.347	6.376	VV	4146	53864	0.07%	0.005%
59	6.399	6.376	6.429	VV	26314	282685	0.37%	0.025%
60	6.451	6.429	6.490	VV	7384	117811	0.15%	0.010%
61	6.511	6.490	6.539	VV	2594	40870	0.05%	0.004%
62	6.556	6.539	6.577	VV	669	12306	0.02%	0.001%
63	6.589	6.577	6.603	VV	605	7819	0.01%	0.001%
64	6.623	6.603	6.654	VV	1539	30556	0.04%	0.003%
65	6.670	6.654	6.731	VV	1815	47513	0.06%	0.004%
66	6.750	6.731	6.784	VV	1880	33813	0.04%	0.003%
67	6.801	6.784	6.833	VV	1100	20368	0.03%	0.002%
68	6.852	6.833	6.906	VV	3574	54636	0.07%	0.005%
69	6.927	6.906	6.949	VV	830	12795	0.02%	0.001%
70	6.967	6.949	6.997	VV	519	8790	0.01%	0.001%
71	7.015	6.997	7.035	VV	681	7952	0.01%	0.001%
72	7.057	7.035	7.130	PV	4533	67964	0.09%	0.006%
73	7.176	7.130	7.220	VV	10186	180033	0.23%	0.016%
74	7.241	7.220	7.262	VV	3047	50758	0.07%	0.004%
75	7.289	7.262	7.323	VV	3686	67612	0.09%	0.006%
76	7.348	7.323	7.358	VV	4427	59046	0.08%	0.005%
77	7.405	7.358	7.425	VV	5514	194967	0.25%	0.017%
78	7.452	7.425	7.483	VV	7871	235719	0.31%	0.021%
79	7.499	7.483	7.521	VV	15281	172174	0.22%	0.015%
80	7.555	7.521	7.587	VV	12348	181828	0.24%	0.016%
81	7.602	7.587	7.617	VV	2052	27850	0.04%	0.002%
82	7.638	7.617	7.669	VV	11960	144423	0.19%	0.013%
83	7.678	7.669	7.694	VV	1675	18083	0.02%	0.002%
84	7.711	7.694	7.724	VV	1727	21209	0.03%	0.002%
85	7.737	7.724	7.748	VV	1467	16533	0.02%	0.001%
86	7.761	7.748	7.789	VV	1636	27047	0.04%	0.002%
87	7.803	7.789	7.821	VV	982	14148	0.02%	0.001%
88	7.837	7.821	7.848	VV	938	11530	0.02%	0.001%
89	7.860	7.848	7.874	VV	1066	13152	0.02%	0.001%

Instrument :

FID_E

ClientSampleId :

3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

					retention			
90	7.888	7.874	7.905	VV	1522	17202	0.02%	0.002%
91	7.913	7.905	7.921	VV	757	6806		
92	7.942	7.921	7.955	VV	3860	44293		
93	7.986	7.955	8.021	VV	5802	110975		
94	8.027	8.021	8.047	VV	1036	12199		
95	8.061	8.047	8.076	VV	983	9410		
96	8.098	8.076	8.127	VV	3592	45121	0.06%	0.004%
97	8.145	8.127	8.174	VV	4296	43373	0.06%	0.004%
98	8.192	8.174	8.207	PV	854	9167	0.01%	0.001%
99	8.241	8.207	8.259	VV	13172	165654	0.22%	0.015%
100	8.268	8.259	8.310	VV	4415	94685	0.12%	0.008%
101	8.321	8.310	8.328	VV	1109	10121	0.01%	0.001%
102	8.344	8.328	8.361	VV	2493	29443	0.04%	0.003%
103	8.403	8.361	8.413	VV	4943	97314	0.13%	0.009%
104	8.426	8.413	8.454	VV	5308	92549	0.12%	0.008%
105	8.472	8.454	8.480	VV	3114	39480	0.05%	0.003%
106	8.516	8.480	8.553	VV	15833	346932	0.45%	0.031%
107	8.573	8.553	8.595	VV	8297	98870	0.13%	0.009%
108	8.622	8.595	8.637	VV	37031	400513	0.52%	0.035%
109	8.650	8.637	8.663	VV	24935	253290	0.33%	0.022%
110	8.677	8.663	8.720	VV	27770	383032	0.50%	0.034%
111	8.740	8.720	8.759	VV	12484	151160	0.20%	0.013%
112	8.813	8.759	8.883	VV	618214	7353835	9.59%	0.648%
113	8.900	8.883	8.964	VV	16208	234789	0.31%	0.021%
114	8.988	8.964	8.997	VV	1672	20506	0.03%	0.002%
115	9.012	8.997	9.035	VV	3131	40647	0.05%	0.004%
116	9.059	9.035	9.088	PV	47824	492492	0.64%	0.043%
117	9.110	9.088	9.129	VV	37678	382662	0.50%	0.034%
118	9.152	9.129	9.201	VV	30204	407236	0.53%	0.036%
119	9.224	9.201	9.237	VV	14070	154538	0.20%	0.014%
120	9.252	9.237	9.292	VV	22841	320274	0.42%	0.028%
121	9.329	9.292	9.337	VV	12611	184288	0.24%	0.016%
122	9.349	9.337	9.363	VV	14716	187675	0.24%	0.017%
123	9.387	9.363	9.412	VV	298919	3025325	3.95%	0.266%
124	9.423	9.412	9.453	VV	9222	137977	0.18%	0.012%
125	9.477	9.453	9.501	VV	7781	110560	0.14%	0.010%
126	9.523	9.501	9.544	VV	32838	384605	0.50%	0.034%
127	9.565	9.544	9.603	VV	46174	572024	0.75%	0.050%
128	9.622	9.603	9.645	VV	12820	144746	0.19%	0.013%
129	9.681	9.645	9.698	VV	51430	666003	0.87%	0.059%
130	9.714	9.698	9.734	VV	51839	543603	0.71%	0.048%
131	9.767	9.734	9.789	VV	78185	966419	1.26%	0.085%
132	9.819	9.789	9.841	VV	52632	763168	1.00%	0.067%
133	9.862	9.841	9.881	VV	62223	709089	0.92%	0.062%
134	9.906	9.881	9.957	VV	353002	4208020	5.49%	0.371%
135	9.984	9.957	10.016	VV	57034	951938	1.24%	0.084%
136	10.052	10.016	10.072	VV	49394	782179	1.02%	0.069%
137	10.081	10.072	10.095	VV	19543	210823	0.28%	0.019%
138	10.116	10.095	10.146	VV	29226	461785	0.60%	0.041%
139	10.179	10.146	10.204	VV	69135	1114268	1.45%	0.098%
140	10.228	10.204	10.254	VV	173682	1919842	2.50%	0.169%
141	10.274	10.254	10.297	VV	23475	406680	0.53%	0.036%

Instrument :

FID_E

ClientSampleId :

3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

				rters				
142	10.330	10.297	10.373	VV	252844	3363660	4.39%	0.296%
143	10.392	10.373	10.450	VV	47804	733139		
144	10.489	10.450	10.518	VV	18169	414014		
145	10.530	10.518	10.553	VV	7320	87062		
146	10.602	10.553	10.631	PV	6473	126083		
147	10.655	10.631	10.683	VV	29713	495773		
148	10.695	10.683	10.723	VV	12336	186225	0.24%	0.016%
149	10.764	10.723	10.775	VV	51468	905811	1.18%	0.080%
150	10.794	10.775	10.817	VV	114458	1546247	2.02%	0.136%
151	10.835	10.817	10.869	VV	65334	882874	1.15%	0.078%
152	10.912	10.869	10.945	VV	76643	1352829	1.76%	0.119%
153	10.981	10.945	11.021	VV	715405	9300515	12.13%	0.819%
154	11.054	11.021	11.063	VV	25821	437914	0.57%	0.039%
155	11.086	11.063	11.098	VV	127921	1560822	2.04%	0.137%
156	11.123	11.098	11.158	VV	320402	5178269	6.75%	0.456%
157	11.226	11.158	11.256	VV	70612	1850931	2.41%	0.163%
158	11.360	11.256	11.386	VV	3771314	73454979	95.82%	6.468%
159	11.422	11.386	11.467	VV	1691894	21499950	28.05%	1.893%
160	11.483	11.467	11.504	VV	59691	681954	0.89%	0.060%
161	11.530	11.504	11.550	VV	30402	451885	0.59%	0.040%
162	11.575	11.550	11.592	VV	130472	1490161	1.94%	0.131%
163	11.621	11.592	11.661	VV	750327	8852471	11.55%	0.779%
164	11.690	11.661	11.704	VV	22444	359158	0.47%	0.032%
165	11.726	11.704	11.738	VV	49637	703216	0.92%	0.062%
166	11.743	11.738	11.772	VV	40598	491270	0.64%	0.043%
167	11.848	11.772	11.878	VV	194535	4979574	6.50%	0.438%
168	11.892	11.878	11.903	VV	38276	477662	0.62%	0.042%
169	11.927	11.903	11.955	VV	89162	1866668	2.43%	0.164%
170	11.979	11.955	11.999	VV	76616	1184098	1.54%	0.104%
171	12.025	11.999	12.066	VV	140850	2379880	3.10%	0.210%
172	12.094	12.066	12.113	VV	555015	6557041	8.55%	0.577%
173	12.138	12.113	12.153	VV	526186	6892794	8.99%	0.607%
174	12.172	12.153	12.198	VV	819690	9065359	11.83%	0.798%
175	12.256	12.198	12.272	VV	467095	9071699	11.83%	0.799%
176	12.287	12.272	12.301	VV	317679	3726711	4.86%	0.328%
177	12.320	12.301	12.341	VV	512442	6003053	7.83%	0.529%
178	12.356	12.341	12.372	VV	65597	767805	1.00%	0.068%
179	12.394	12.372	12.433	VV	96889	1645100	2.15%	0.145%
180	12.458	12.433	12.480	VV	64714	953959	1.24%	0.084%
181	12.514	12.480	12.568	VV	390203	5900876	7.70%	0.520%
182	12.604	12.568	12.628	VV	447818	5645136	7.36%	0.497%
183	12.639	12.628	12.644	VV	40261	369506	0.48%	0.033%
184	12.663	12.644	12.680	VV	62808	1020182	1.33%	0.090%
185	12.693	12.680	12.712	VV	51523	695045	0.91%	0.061%
186	12.749	12.712	12.770	VV	48488	975743	1.27%	0.086%
187	12.825	12.770	12.844	VV	121126	2493804	3.25%	0.220%
188	12.856	12.844	12.905	VV	74211	1971820	2.57%	0.174%
189	12.926	12.905	12.939	VV	127771	1667452	2.18%	0.147%
190	12.945	12.939	12.975	VV	88262	1039514	1.36%	0.092%
191	13.026	12.975	13.067	VV	455224	10206661	13.31%	0.899%
192	13.089	13.067	13.138	VV	127965	4561197	5.95%	0.402%
193	13.205	13.138	13.224	VV	3588070	76660986	100.00%	6.750%
194	13.237	13.224	13.256	VV	83236	996270	1.30%	0.088%

Instrument :

FID_E

ClientSampleId :

3

4.39% 0.296%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

Instrument :

FID_E

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3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

					rt	Area	Height	Area%	Height%
195	13.313	13.256	13.336	VV	848961	11564260	15.08%	1.018%	
196	13.357	13.336	13.377	VV	272736	3698243			
197	13.400	13.377	13.443	VV	172331	4290636			
198	13.505	13.443	13.543	VV	2994724	65837927	85.00%	8.000%	
199	13.557	13.543	13.587	VV	592489	7021251	9.00%	0.818%	
200	13.608	13.587	13.616	VV	40881	609342	0.40%	0.054%	
201	13.639	13.616	13.653	VV	172819	2207313	2.88%	0.194%	
202	13.670	13.653	13.704	VV	233413	3108469	4.05%	0.274%	
203	13.731	13.704	13.755	VV	321699	3935285	5.13%	0.347%	
204	13.809	13.755	13.833	VV	161487	3188703	4.16%	0.281%	
205	13.862	13.833	13.901	VV	193180	3727995	4.86%	0.328%	
206	13.927	13.901	13.975	VV	329020	5142405	6.71%	0.453%	
207	13.986	13.975	13.996	VV	22015	259611	0.34%	0.023%	
208	14.060	13.996	14.095	VV	469885	10166171	13.26%	0.895%	
209	14.118	14.095	14.140	VV	97063	1652751	2.16%	0.146%	
210	14.164	14.140	14.184	VV	204445	2939453	3.83%	0.259%	
211	14.207	14.184	14.258	VV	333059	5044559	6.58%	0.444%	
212	14.299	14.258	14.320	VV	134792	3524722	4.60%	0.310%	
213	14.337	14.320	14.356	VV	246635	3309111	4.32%	0.291%	
214	14.376	14.356	14.411	VV	278005	3889887	5.07%	0.343%	
215	14.448	14.411	14.465	VV	91779	1666785	2.17%	0.147%	
216	14.486	14.465	14.507	VV	57089	1268020	1.65%	0.112%	
217	14.517	14.507	14.538	VV	43124	687022	0.90%	0.060%	
218	14.554	14.538	14.563	VV	39517	524861	0.68%	0.046%	
219	14.581	14.563	14.600	VV	61236	962043	1.25%	0.085%	
220	14.627	14.600	14.658	VV	56927	1179452	1.54%	0.104%	
221	14.761	14.658	14.774	PV	74273	1987290	2.59%	0.175%	
222	14.805	14.774	14.845	VV	483225	7378890	9.63%	0.650%	
223	14.853	14.845	14.873	VV	39051	613741	0.80%	0.054%	
224	14.895	14.873	14.943	VV	60385	1387111	1.81%	0.122%	
225	14.975	14.943	14.998	VV	421309	6097771	7.95%	0.537%	
226	15.008	14.998	15.014	VV	105763	976711	1.27%	0.086%	
227	15.042	15.014	15.066	VV	517844	8989136	11.73%	0.792%	
228	15.083	15.066	15.094	VV	253590	3242075	4.23%	0.285%	
229	15.120	15.094	15.145	VV	476013	7756877	10.12%	0.683%	
230	15.167	15.145	15.177	VV	54857	882818	1.15%	0.078%	
231	15.225	15.177	15.281	VV	129351	3734779	4.87%	0.329%	
232	15.315	15.281	15.334	VV	352605	5741236	7.49%	0.506%	
233	15.376	15.334	15.396	VV	1732190	31905535	41.62%	2.809%	
234	15.426	15.396	15.474	VV	1713132	26747965	34.89%	2.355%	
235	15.532	15.474	15.562	VV	684305	11309219	14.75%	0.996%	
236	15.600	15.562	15.632	VV	204537	3744845	4.88%	0.330%	
237	15.661	15.632	15.682	VV	272384	3774512	4.92%	0.332%	
238	15.703	15.682	15.734	VV	201361	3792052	4.95%	0.334%	
239	15.746	15.734	15.770	VV	73299	1479104	1.93%	0.130%	
240	15.803	15.770	15.826	VV	143487	3089916	4.03%	0.272%	
241	15.844	15.826	15.874	VV	108365	1663815	2.17%	0.147%	
242	15.898	15.874	15.921	VV	76350	1301890	1.70%	0.115%	
243	15.941	15.921	15.955	VV	47856	759619	0.99%	0.067%	
244	15.985	15.955	16.008	VV	111770	2505166	3.27%	0.221%	
245	16.032	16.008	16.052	VV	402466	6119446	7.98%	0.539%	
246	16.070	16.052	16.105	VV	199621	3357540	4.38%	0.296%	

Parameters									
247	16.121	16.105	16.145	VV	74468	1460942	1.91%	0.129%	
248	16.179	16.145	16.224	VV	241446	6689406			
249	16.263	16.224	16.291	VV	117378	2529507			
250	16.304	16.291	16.324	VV	36661	580124			
251	16.347	16.324	16.380	VV	105514	1645751			
252	16.414	16.380	16.435	VV	130636	2542931			
253	16.444	16.435	16.475	VV	80180	1677106	2.19%	0.148%	
254	16.491	16.475	16.519	VV	69759	1223919	1.60%	0.108%	
255	16.562	16.519	16.602	VV	65273	1751992	2.29%	0.154%	
256	16.625	16.602	16.644	VV	53485	908487	1.19%	0.080%	
257	16.673	16.644	16.695	VV	134617	2785692	3.63%	0.245%	
258	16.717	16.695	16.753	VV	129562	2818826	3.68%	0.248%	
259	16.803	16.753	16.816	VV	87416	1970028	2.57%	0.173%	
260	16.839	16.816	16.872	VV	109067	2582018	3.37%	0.227%	
261	16.963	16.872	17.025	VV	1490193	49762929	64.91%	4.382%	
262	17.072	17.025	17.115	VV	539481	9864724	12.87%	0.869%	
263	17.125	17.115	17.137	VV	58044	695128	0.91%	0.061%	
264	17.148	17.137	17.158	VV	52355	609488	0.80%	0.054%	
265	17.182	17.158	17.194	VV	119168	1906014	2.49%	0.168%	
266	17.217	17.194	17.234	VV	221254	3981724	5.19%	0.351%	
267	17.280	17.234	17.305	VV	885971	21634005	28.22%	1.905%	
268	17.350	17.305	17.391	VV	1561620	29149726	38.02%	2.567%	
269	17.431	17.391	17.449	VV	631075	8737465	11.40%	0.769%	
270	17.465	17.449	17.503	VV	161078	3084958	4.02%	0.272%	
271	17.556	17.503	17.598	VV	155139	5567985	7.26%	0.490%	
272	17.615	17.598	17.634	VV	86514	1346161	1.76%	0.119%	
273	17.693	17.634	17.750	VV	174092	6532711	8.52%	0.575%	
274	17.815	17.750	17.872	VV	153334	6157737	8.03%	0.542%	
275	17.899	17.872	17.915	VV	120008	2124398	2.77%	0.187%	
276	17.925	17.915	17.947	VV	95102	1379604	1.80%	0.121%	
277	17.977	17.947	18.048	VV	149345	4738354	6.18%	0.417%	
278	18.067	18.048	18.082	VV	64207	1027117	1.34%	0.090%	
279	18.102	18.082	18.141	VV	76110	1865531	2.43%	0.164%	
280	18.162	18.141	18.195	VV	32952	918291	1.20%	0.081%	
281	18.257	18.195	18.281	VV	89706	3045872	3.97%	0.268%	
282	18.303	18.281	18.337	VV	146094	2902718	3.79%	0.256%	
283	18.397	18.337	18.419	VV	146812	4435143	5.79%	0.391%	
284	18.476	18.419	18.562	VV	211988	11623753	15.16%	1.024%	
285	18.603	18.562	18.666	VV	438072	11899337	15.52%	1.048%	
286	18.727	18.666	18.765	VV	1035323	27657066	36.08%	2.435%	
287	18.778	18.765	18.803	VV	229175	3722408	4.86%	0.328%	
288	18.834	18.803	18.851	VV	378703	7038413	9.18%	0.620%	
289	18.867	18.851	18.933	VV	377565	11382534	14.85%	1.002%	
290	18.990	18.933	19.021	VV	1022766	22134322	28.87%	1.949%	
291	19.048	19.021	19.074	VV	193652	5148241	6.72%	0.453%	
292	19.104	19.074	19.148	VV	396628	8730511	11.39%	0.769%	
293	19.184	19.148	19.240	VV	111094	4359193	5.69%	0.384%	
294	19.266	19.240	19.307	VV	110661	3461280	4.52%	0.305%	
295	19.331	19.307	19.348	VV	100192	2048039	2.67%	0.180%	
296	19.381	19.348	19.405	VV	140521	3566625	4.65%	0.314%	
297	19.431	19.405	19.447	VV	94095	2204927	2.88%	0.194%	
298	19.469	19.447	19.491	VV	132448	2664314	3.48%	0.235%	
299	19.511	19.491	19.550	VV	95260	3089425	4.03%	0.272%	

Instrument :

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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 08/22/2025

					rters			
300	19.567	19.550	19.604	VV	91927	2596678	3.39%	0.229%
301	19.639	19.604	19.694	VV	130449	5038942		
302	19.705	19.694	19.732	VV	69812	1500991		
303	19.796	19.732	19.851	VV	89075	5174917		
304	19.879	19.851	19.914	VV	84040	2894472		
305	19.963	19.914	20.013	VV	98811	4779772		
306	20.036	20.013	20.043	VV	88824	1430359	1.87%	0.126%
307	20.123	20.043	20.155	VV	356964	13429496	17.52%	1.183%
308	20.194	20.155	20.225	VV	500614	12823926	16.73%	1.129%
309	20.251	20.225	20.269	VV	245500	5393169	7.04%	0.475%
310	20.284	20.269	20.306	VV	211666	3979169	5.19%	0.350%
311	20.319	20.306	20.350	VV	153787	3347898	4.37%	0.295%
312	20.400	20.350	20.439	VV	170621	6235614	8.13%	0.549%
313	20.513	20.439	20.542	VV	579382	16298386	21.26%	1.435%
314	20.575	20.542	20.628	VV	279554	10620425	13.85%	0.935%
315	20.652	20.628	20.681	VV	214851	5098383	6.65%	0.449%
316	20.696	20.681	20.726	VV	119028	3056976	3.99%	0.269%
317	20.735	20.726	20.741	VV	111079	968744	1.26%	0.085%
318	20.751	20.741	20.761	VV	110480	1299745	1.70%	0.114%
319	20.780	20.761	20.823	VV	117073	3843272	5.01%	0.338%
320	20.840	20.823	20.904	VV	96966	4080598	5.32%	0.359%
321	20.926	20.904	20.948	VV	78002	1960996	2.56%	0.173%
322	20.986	20.948	21.047	VV	81602	4288915	5.59%	0.378%
323	21.066	21.047	21.114	VV	66064	2428845	3.17%	0.214%
324	21.122	21.114	21.141	VV	57321	865157	1.13%	0.076%
325	21.178	21.141	21.207	VV	69693	2388062	3.12%	0.210%
326	21.219	21.207	21.254	VV	54627	1444199	1.88%	0.127%
327	21.271	21.254	21.311	VV	50137	1514512	1.98%	0.133%
328	21.334	21.311	21.383	VV	49702	1995007	2.60%	0.176%
329	21.393	21.383	21.443	VV	46477	1452094	1.89%	0.128%
330	21.462	21.443	21.501	VV	34972	1129830	1.47%	0.099%
331	21.575	21.501	21.634	VV	84687	4444356	5.80%	0.391%
332	21.662	21.634	21.706	VV	51885	1632895	2.13%	0.144%
333	21.785	21.706	21.824	VV	64271	2890793	3.77%	0.255%
334	21.883	21.824	21.922	VV	82570	3245770	4.23%	0.286%
335	22.017	21.922	22.059	VV	150823	8236328	10.74%	0.725%
336	22.074	22.059	22.111	VV	68874	1718741	2.24%	0.151%
337	22.120	22.111	22.148	VV	30880	493253	0.64%	0.043%
338	22.183	22.148	22.201	VV	31501	755845	0.99%	0.067%
339	22.234	22.201	22.285	VV	43518	1350044	1.76%	0.119%
340	22.338	22.285	22.383	PV	85439	2286834	2.98%	0.201%

Sum of corrected areas: 1135673591

Aliphatic EPH 080125.M Thu Aug 21 02:24:29 2025

Instrument :

FID_E

ClientSampleId :

3

3.39% 0.229%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/12/25
Project:	507 Franklin Ave	Date Received:	08/13/25
Client Sample ID:	3DL	SDG No.:	Q2868
Lab Sample ID:	Q2868-05DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055422.D	10	08/20/25	08/21/25	PB169321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	433		9.68	42.5	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	223		12.6	21.3	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	7.46		40 - 140	149%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	4.37		40 - 140	87%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2868-05DL	Acq On:	21 Aug 2025 11:12
Client Sample ID:	3DL	Operator:	YP\AJ
Data file:	FE055422.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.954	341198	2.922	300	ug/ml
Aliphatic C12-C16	6.955	10.407	3355068	26.792	200	ug/ml
Aliphatic C16-C21	10.408	13.787	38188255	302.111	300	ug/ml
Aliphatic C21-C28	13.788	17.460	34030332	282.396	400	ug/ml
Aliphatic C28-C40	17.461	22.485	35908445	315.022	600	ug/ml
Aliphatic EPH	3.319	22.485	111823298	929.242		ug/ml
ortho-Terphenyl (SURR)	12.082	12.082	624306	4.37		ug/ml
1-chlorooctadecane (SURR)	13.534	13.534	801716	7.46		ug/ml
Aliphatic C9-C28	3.319	17.460	75914853	614.221	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
 Data File : FE055422.D
 Signal(s) : FID1B.ch
 Acq On : 21 Aug 2025 11:12
 Operator : YP\AJ
 Sample : Q2868-05DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 3DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2025
 Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
 Quant Time: Aug 22 01:16:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.082	624306	4.372 ug/mlm
Spiked Amount 50.000		Recovery =	8.74%
12) S 1-chlorooctadecane (S...	13.534	801716	7.456 ug/mlm
Spiked Amount 50.000		Recovery =	14.91%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
Data File : FE055422.D
Signal(s) : FID1B.ch
Acq On : 21 Aug 2025 11:12
Operator : YP\AJ
Sample : Q2868-05DL 10X
Misc :
ALS Vial : 13 Sample Multiplier: 1

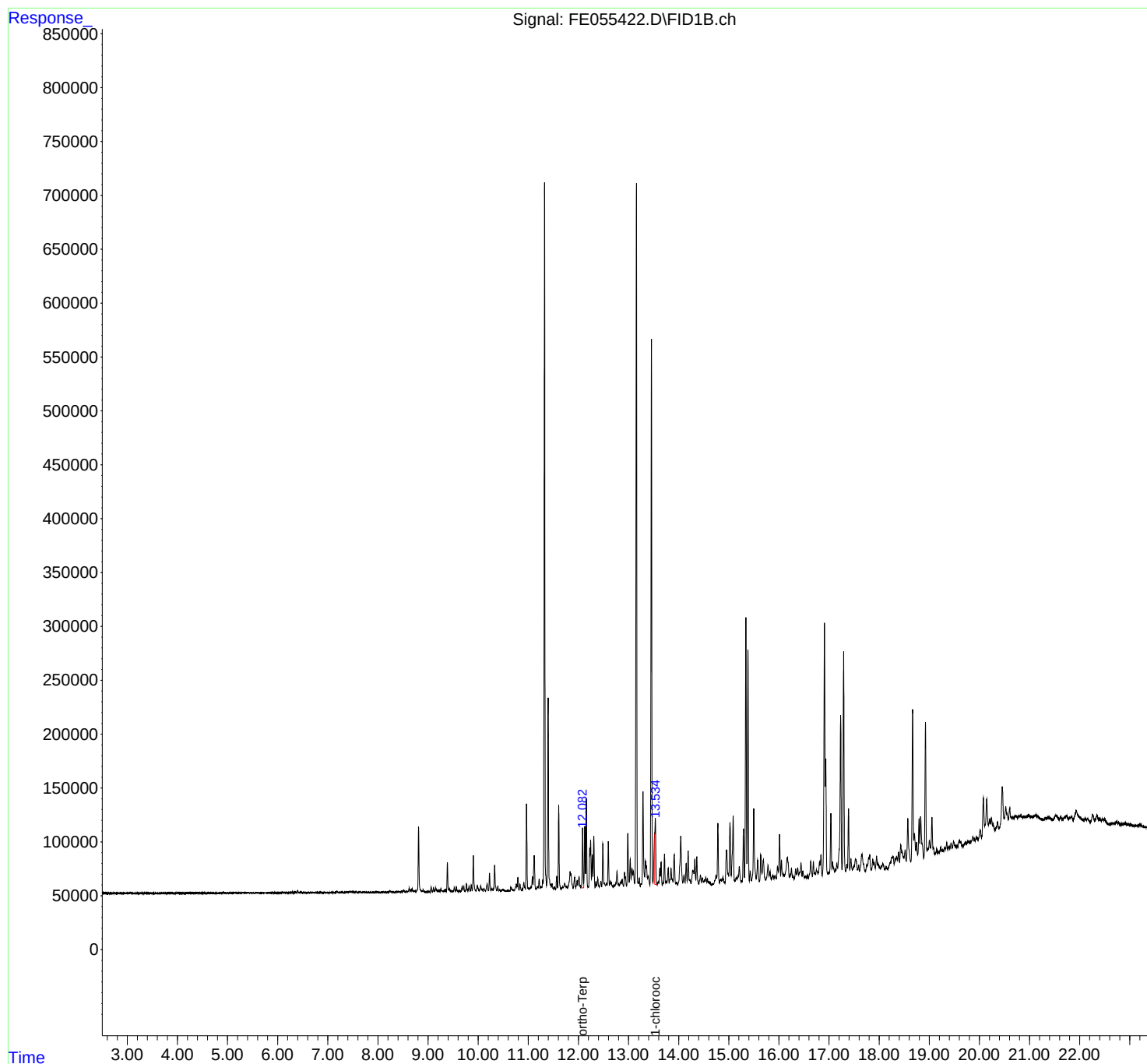
Instrument :
FID_E
ClientSampleId :
3DL

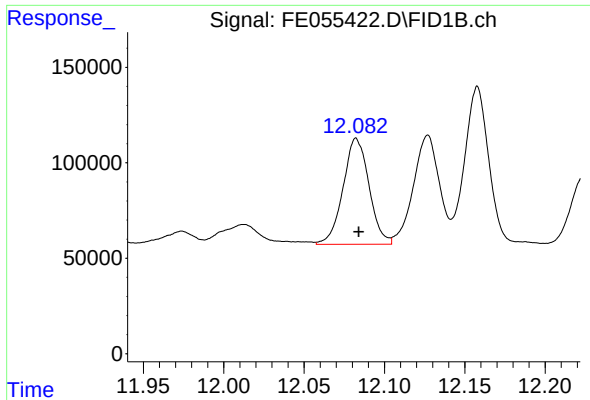
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
Quant Time: Aug 22 01:16:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





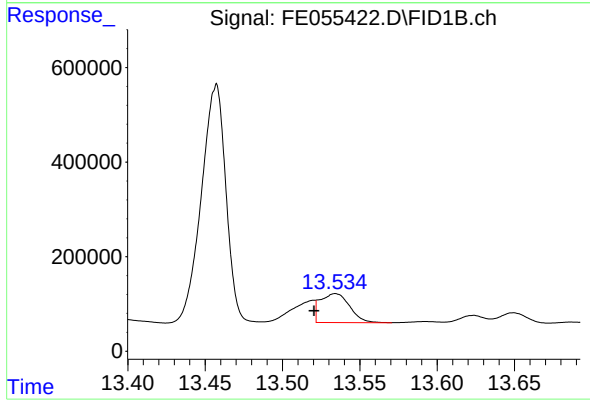
#9 ortho-Terphenyl (SURR)

R.T.: 12.082 min
Delta R.T.: -0.002 min
Response: 624306
Conc: 4.37 ug/ml

Instrument :
FID_E
ClientSampleId :
3DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.534 min
Delta R.T.: 0.013 min
Response: 801716
Conc: 7.46 ug/ml m

rters

Instrument :

FID_E

ClientSampleId :

3DL

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE08212
Data File : FE055422.D
Signal(s) : FID1B.ch
Acq On : 21 Aug 2025 11:12
Sample : Q2868-05DL 10X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.847	2.804	2.880	BV	157	1903	0.03%	0.002%
2	2.890	2.880	3.004	PV	126	3123	0.04%	0.003%
3	3.054	3.004	3.131	PV	524	8643	0.12%	0.008%
4	3.192	3.131	3.251	VV	133	5043	0.07%	0.004%
5	3.257	3.251	3.338	VV	160	4182	0.06%	0.004%
6	3.352	3.338	3.387	VV	109	2146	0.03%	0.002%
7	3.420	3.387	3.442	VV	178	4101	0.06%	0.004%
8	3.452	3.442	3.464	PV	88	1017	0.01%	0.001%
9	3.486	3.464	3.495	VV	146	1678	0.02%	0.001%
10	3.535	3.495	3.591	VV	141	5416	0.07%	0.005%
11	3.599	3.591	3.655	VV	172	4118	0.06%	0.004%
12	3.889	3.824	3.928	VV	422	9809	0.13%	0.009%
13	3.944	3.928	3.958	VV	128	1494	0.02%	0.001%
14	3.970	3.958	3.981	VV	83	1013	0.01%	0.001%
15	4.006	3.981	4.074	VV	491	8743	0.12%	0.008%
16	4.088	4.074	4.110	VV	146	1714	0.02%	0.002%
17	4.121	4.110	4.196	VV	160	4310	0.06%	0.004%
18	4.212	4.196	4.268	PV	360	6442	0.09%	0.006%
19	4.275	4.268	4.288	VV	142	1476	0.02%	0.001%
20	4.331	4.288	4.361	VV	218	5572	0.08%	0.005%
21	4.378	4.361	4.401	VV	464	6275	0.08%	0.006%
22	4.426	4.401	4.477	VV	270	7987	0.11%	0.007%
23	4.557	4.477	4.584	VV	220	9466	0.13%	0.008%
24	4.601	4.584	4.634	VV	143	2996	0.04%	0.003%
25	4.661	4.634	4.708	VV	165	4615	0.06%	0.004%
26	4.734	4.708	4.787	VV	139	4747	0.06%	0.004%
27	4.798	4.787	4.808	VV	128	1453	0.02%	0.001%
28	4.814	4.808	4.828	VV	130	1060	0.01%	0.001%
29	4.849	4.828	4.883	VV	100	2603	0.04%	0.002%
30	4.910	4.883	4.951	VV	1102	15810	0.21%	0.014%
31	4.968	4.951	4.978	VV	162	2286	0.03%	0.002%
32	4.998	4.978	5.014	VV	185	3266	0.04%	0.003%
33	5.021	5.014	5.030	VV	207	1477	0.02%	0.001%
34	5.057	5.030	5.145	VV	311	11476	0.15%	0.010%
35	5.171	5.145	5.196	VV	319	6497	0.09%	0.006%
36	5.211	5.196	5.269	VV	242	6235	0.08%	0.006%

					retention			
37	5.300	5.269	5.328	VV	349	7346	0.10%	0.006%
38	5.337	5.328	5.377	VV	203	4409		
39	5.392	5.377	5.404	VV	189	2103		
40	5.419	5.404	5.434	VV	179	2241		
41	5.438	5.434	5.464	VV	160	1480		
42	5.497	5.464	5.518	VV	130	2914		
43	5.522	5.518	5.547	VV	146	1304	0.02%	0.001%
44	5.622	5.607	5.678	PV	185	3853	0.05%	0.003%
45	5.697	5.678	5.713	VV	154	2058	0.03%	0.002%
46	5.726	5.713	5.744	VV	220	1694	0.02%	0.001%
47	5.813	5.796	5.851	VV	114	2791	0.04%	0.002%
48	5.872	5.851	5.908	VV	237	4899	0.07%	0.004%
49	5.919	5.908	5.934	VV	154	2220	0.03%	0.002%
50	5.938	5.934	5.958	VV	216	1616	0.02%	0.001%
51	5.979	5.958	6.001	VV	137	2605	0.04%	0.002%
52	6.095	6.001	6.115	VV	570	12964	0.17%	0.011%
53	6.135	6.115	6.218	VV	555	12654	0.17%	0.011%
54	6.336	6.311	6.348	VV	563	8840	0.12%	0.008%
55	6.358	6.348	6.376	VV	502	6639	0.09%	0.006%
56	6.399	6.376	6.428	VV	2499	29555	0.40%	0.026%
57	6.451	6.428	6.496	VV	762	16542	0.22%	0.015%
58	6.512	6.496	6.543	VV	397	7049	0.10%	0.006%
59	6.560	6.543	6.584	VV	200	4028	0.05%	0.004%
60	6.593	6.584	6.600	VV	158	1520	0.02%	0.001%
61	6.624	6.600	6.657	VV	323	8411	0.11%	0.007%
62	6.673	6.657	6.731	VV	352	10911	0.15%	0.010%
63	6.753	6.731	6.783	VV	298	6953	0.09%	0.006%
64	6.801	6.783	6.813	VV	268	4376	0.06%	0.004%
65	6.858	6.813	6.904	VV	540	14724	0.20%	0.013%
66	6.921	6.904	6.958	VV	264	5201	0.07%	0.005%
67	6.970	6.958	6.983	VV	160	1762	0.02%	0.002%
68	6.994	6.983	7.041	VV	243	3426	0.05%	0.003%
69	7.178	7.139	7.228	VV	1012	22684	0.31%	0.020%
70	7.241	7.228	7.264	VV	380	6407	0.09%	0.006%
71	7.454	7.411	7.484	VV	920	31883	0.43%	0.028%
72	7.500	7.484	7.528	VV	1484	19454	0.26%	0.017%
73	7.559	7.528	7.604	VV	1125	22810	0.31%	0.020%
74	7.610	7.604	7.620	VV	323	2713	0.04%	0.002%
75	7.639	7.620	7.668	VV	1229	17110	0.23%	0.015%
76	7.681	7.668	7.698	VV	276	4379	0.06%	0.004%
77	7.735	7.698	7.748	VV	316	7652	0.10%	0.007%
78	7.764	7.748	7.785	VV	323	6061	0.08%	0.005%
79	7.804	7.785	7.828	VV	279	5536	0.07%	0.005%
80	7.846	7.828	7.878	VV	230	4684	0.06%	0.004%
81	7.892	7.878	7.908	VV	274	3400	0.05%	0.003%
82	7.914	7.908	7.923	VV	190	1407	0.02%	0.001%
83	7.947	7.923	7.958	VV	387	5445	0.07%	0.005%
84	7.988	7.958	8.050	VV	531	14897	0.20%	0.013%
85	8.061	8.050	8.074	PV	194	1787	0.02%	0.002%
86	8.100	8.074	8.129	VV	427	7463	0.10%	0.007%
87	8.152	8.129	8.174	VV	477	6059	0.08%	0.005%
88	8.242	8.174	8.329	VV	1390	38406	0.52%	0.034%
89	8.344	8.329	8.360	VV	276	4192	0.06%	0.004%

Instrument :

FID_E

ClientSampleId :

3DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025

Supervised By :mohammad ahmed 08/25/2025

					rters			
90	8.403	8.360	8.416	VV	570	13847	0.19%	0.012%
91	8.427	8.416	8.451	VV	637	9777		
92	8.518	8.451	8.557	VV	1600	45420		
93	8.577	8.557	8.597	VV	1024	16768		
94	8.622	8.597	8.637	VV	3817	46242		
95	8.650	8.637	8.663	VV	2532	26967		
96	8.678	8.663	8.723	VV	3083	55522	0.75%	0.049%
97	8.743	8.723	8.761	VV	1368	18831	0.25%	0.017%
98	8.810	8.761	8.884	VV	60509	745276	10.06%	0.658%
99	8.901	8.884	8.967	VV	1767	28444	0.38%	0.025%
100	9.015	8.967	9.036	VV	422	8736	0.12%	0.008%
101	9.061	9.036	9.088	VV	4339	49843	0.67%	0.044%
102	9.110	9.088	9.129	VV	3904	45026	0.61%	0.040%
103	9.154	9.129	9.207	VV	3735	78745	1.06%	0.070%
104	9.225	9.207	9.239	VV	1652	21794	0.29%	0.019%
105	9.255	9.239	9.292	VV	2223	37276	0.50%	0.033%
106	9.349	9.292	9.363	VV	1579	44299	0.60%	0.039%
107	9.425	9.411	9.460	VV	2595	46351	0.63%	0.041%
108	9.476	9.460	9.498	VV	1004	15568	0.21%	0.014%
109	9.523	9.498	9.544	VV	3846	49958	0.67%	0.044%
110	9.564	9.544	9.604	VV	4779	63461	0.86%	0.056%
111	9.622	9.604	9.645	VV	1385	17461	0.24%	0.015%
112	9.681	9.645	9.698	VV	4720	69691	0.94%	0.062%
113	9.713	9.698	9.734	VV	5183	54903	0.74%	0.048%
114	9.767	9.734	9.789	VV	7477	96340	1.30%	0.085%
115	9.819	9.789	9.840	VV	5172	75793	1.02%	0.067%
116	9.862	9.840	9.880	VV	6286	71307	0.96%	0.063%
117	9.903	9.880	9.957	VV	33405	416239	5.62%	0.368%
118	10.026	10.016	10.031	VV	1339	10501	0.14%	0.009%
119	10.051	10.031	10.072	VV	5088	72316	0.98%	0.064%
120	10.081	10.072	10.096	VV	2080	23451	0.32%	0.021%
121	10.116	10.096	10.146	VV	2904	48571	0.66%	0.043%
122	10.178	10.146	10.203	VV	6713	112620	1.52%	0.099%
123	10.227	10.203	10.254	VV	16968	195278	2.64%	0.172%
124	10.272	10.254	10.294	VV	2441	43361	0.59%	0.038%
125	10.329	10.294	10.371	VV	24293	339468	4.58%	0.300%
126	10.491	10.448	10.517	VV	1859	42525	0.57%	0.038%
127	10.528	10.517	10.554	VV	819	10428	0.14%	0.009%
128	10.602	10.554	10.630	PV	638	14354	0.19%	0.013%
129	10.653	10.630	10.718	VV	3276	72400	0.98%	0.064%
130	10.763	10.718	10.774	VV	6405	112550	1.52%	0.099%
131	10.792	10.774	10.815	VV	12472	162679	2.20%	0.144%
132	10.834	10.815	10.865	VV	6097	84536	1.14%	0.075%
133	10.911	10.865	10.940	VV	7682	142092	1.92%	0.125%
134	10.965	10.940	11.015	VV	80677	913585	12.33%	0.807%
135	11.082	11.015	11.094	VV	12899	215253	2.91%	0.190%
136	11.118	11.094	11.153	VV	32624	508256	6.86%	0.449%
137	11.184	11.153	11.196	VV	3384	60228	0.81%	0.053%
138	11.216	11.196	11.235	VV	10334	128240	1.73%	0.113%
139	11.249	11.235	11.269	VV	2998	53246	0.72%	0.047%
140	11.324	11.269	11.364	VV	662161	7078773	95.55%	6.250%
141	11.396	11.364	11.459	VV	176413	2151371	29.04%	1.899%

Instrument :

FID_E

ClientSampleId :

3DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025

Supervised By :mohammad ahmed 08/25/2025

Project Performance Dashboard - Q3 2023							Overall Summary	
Project ID		Project Name		Manager		Status		
Project ID		Project Name		Manager		Status		
142	11.473	11.459	11.499	VV	5856	78414	1.06%	0.069%
143	11.522	11.499	11.543	VV	2743	43948	0.00%	0.000%
144	11.565	11.543	11.583	VV	12450	143165	1.00%	0.069%
145	11.606	11.583	11.655	VV	77223	866100	11.00%	0.069%
146	11.685	11.655	11.698	VV	2316	39727	0.00%	0.069%
147	11.726	11.698	11.783	VV	5778	156895	2.00%	0.069%
148	11.833	11.783	11.893	VV	16380	502100	6.78%	0.443%
149	11.922	11.893	11.946	VV	11006	175371	2.37%	0.155%
150	11.974	11.946	11.988	VV	8050	121932	1.65%	0.108%
151	12.012	11.988	12.058	VV	11468	233729	3.16%	0.206%
152	12.083	12.058	12.104	VV	56460	651546	8.79%	0.575%
153	12.127	12.104	12.142	VV	58409	661949	8.94%	0.584%
154	12.158	12.142	12.198	VV	83313	900290	12.15%	0.795%
155	12.243	12.198	12.260	VV	44637	879326	11.87%	0.776%
156	12.276	12.260	12.289	VV	31508	366375	4.95%	0.323%
157	12.306	12.289	12.331	VV	48606	583661	7.88%	0.515%
158	12.348	12.331	12.364	VV	6578	77767	1.05%	0.069%
159	12.385	12.364	12.417	VV	9346	144742	1.95%	0.128%
160	12.447	12.417	12.464	VV	6547	105356	1.42%	0.093%
161	12.487	12.464	12.538	VV	41389	546669	7.38%	0.483%
162	12.558	12.538	12.571	VV	4693	70136	0.95%	0.062%
163	12.596	12.571	12.620	VV	42449	504107	6.80%	0.445%
164	12.635	12.620	12.646	VV	5334	67851	0.92%	0.060%
165	12.652	12.646	12.687	VV	4800	73184	0.99%	0.065%
166	12.711	12.687	12.725	VV	2577	42999	0.58%	0.038%
167	12.769	12.725	12.816	VV	15212	302886	4.09%	0.267%
168	12.873	12.816	12.900	VV	8019	227026	3.06%	0.200%
169	12.921	12.900	12.960	VV	13713	260348	3.51%	0.230%
170	12.985	12.960	13.013	VV	50199	651083	8.79%	0.575%
171	13.033	13.013	13.050	VV	26331	342070	4.62%	0.302%
172	13.068	13.050	13.085	VV	17451	283792	3.83%	0.251%
173	13.097	13.085	13.120	VV	15118	222743	3.01%	0.197%
174	13.157	13.120	13.197	VV	656628	7408142	100.00%	6.541%
175	13.213	13.197	13.232	VV	8314	97491	1.32%	0.086%
176	13.249	13.232	13.260	VV	3210	40294	0.54%	0.036%
177	13.288	13.260	13.321	VV	88235	1166870	15.75%	1.030%
178	13.339	13.321	13.381	VV	24135	568655	7.68%	0.502%
179	13.393	13.381	13.423	VV	10079	176993	2.39%	0.156%
180	13.457	13.423	13.486	VV	510330	5644204	76.19%	4.983%
181	13.534	13.486	13.572	VV	63647	1414029	19.09%	1.248%
182	13.593	13.572	13.603	VV	4278	61728	0.83%	0.055%
183	13.623	13.603	13.635	VV	17393	202971	2.74%	0.179%
184	13.649	13.635	13.673	VV	22883	283736	3.83%	0.251%
185	13.717	13.673	13.741	VV	30043	399670	5.40%	0.353%
186	13.754	13.741	13.765	VV	4923	59698	0.81%	0.053%
187	13.791	13.765	13.811	VV	16970	253904	3.43%	0.224%
188	13.849	13.811	13.887	VV	16588	357470	4.83%	0.316%
189	13.911	13.887	13.939	VV	28996	450050	6.08%	0.397%
190	13.957	13.939	13.980	VV	3056	60570	0.82%	0.053%
191	14.042	13.980	14.083	VV	45952	990224	13.37%	0.874%
192	14.105	14.083	14.126	VV	9734	160724	2.17%	0.142%
193	14.150	14.126	14.169	VV	20861	287570	3.88%	0.254%
194	14.190	14.169	14.246	VV	32473	496088	6.70%	0.438%

195	14.280	14.246	14.304	VV	14240	338179	4.56%	0.299%
196	14.321	14.304	14.341	VV	24191	334988		
197	14.361	14.341	14.400	VV	26655	378268		
198	14.435	14.400	14.454	VV	9570	166985		
199	14.472	14.454	14.494	VV	6760	118567		
200	14.541	14.494	14.559	VV	6779	173701		
201	14.573	14.559	14.589	VV	6112	73625	0.99%	0.065%
202	14.600	14.589	14.615	VV	3545	40446	0.55%	0.036%
203	14.628	14.615	14.649	VV	2594	29184	0.39%	0.026%
204	14.684	14.649	14.698	PV	1240	18005	0.24%	0.016%
205	14.746	14.698	14.758	VV	8243	172818	2.33%	0.153%
206	14.782	14.758	14.812	VV	56688	689172	9.30%	0.608%
207	14.844	14.812	14.861	VV	4711	100663	1.36%	0.089%
208	14.882	14.861	14.916	VV	6222	121349	1.64%	0.107%
209	14.955	14.916	14.997	VV	30966	706577	9.54%	0.624%
210	15.024	14.997	15.047	VV	55940	841721	11.36%	0.743%
211	15.086	15.047	15.120	VV	62271	1061344	14.33%	0.937%
212	15.145	15.120	15.162	VV	5064	91701	1.24%	0.081%
213	15.209	15.162	15.245	VV	15207	342505	4.62%	0.302%
214	15.255	15.245	15.264	VV	1715	17124	0.23%	0.015%
215	15.292	15.264	15.313	VV	49422	610898	8.25%	0.539%
216	15.340	15.313	15.361	VV	245634	3031214	40.92%	2.676%
217	15.382	15.361	15.409	VV	215639	2442388	32.97%	2.156%
218	15.426	15.409	15.452	VV	9973	134573	1.82%	0.119%
219	15.498	15.452	15.545	VV	67613	1087361	14.68%	0.960%
220	15.576	15.545	15.610	VV	20276	324129	4.38%	0.286%
221	15.638	15.610	15.662	PV	24533	355681	4.80%	0.314%
222	15.689	15.662	15.734	VV	19695	421991	5.70%	0.373%
223	15.782	15.734	15.804	VV	14665	277512	3.75%	0.245%
224	15.823	15.804	15.846	VV	8507	129963	1.75%	0.115%
225	15.879	15.846	15.899	VV	4935	97107	1.31%	0.086%
226	15.923	15.899	15.946	VV	4121	84078	1.13%	0.074%
227	15.972	15.946	15.988	VV	12731	196842	2.66%	0.174%
228	16.013	15.988	16.034	VV	42189	563008	7.60%	0.497%
229	16.050	16.034	16.086	VV	18347	283481	3.83%	0.250%
230	16.099	16.086	16.111	VV	5053	63267	0.85%	0.056%
231	16.167	16.111	16.207	VV	19994	642234	8.67%	0.567%
232	16.250	16.207	16.304	VV	10157	219596	2.96%	0.194%
233	16.334	16.304	16.349	VV	9099	123026	1.66%	0.109%
234	16.373	16.349	16.393	VV	9445	165213	2.23%	0.146%
235	16.441	16.393	16.461	VV	14156	288647	3.90%	0.255%
236	16.477	16.461	16.514	VV	6758	102663	1.39%	0.091%
237	16.543	16.514	16.554	VV	1365	23153	0.31%	0.020%
238	16.570	16.554	16.590	VV	2642	28725	0.39%	0.025%
239	16.635	16.590	16.667	VV	15266	276570	3.73%	0.244%
240	16.688	16.667	16.709	VV	14584	185470	2.50%	0.164%
241	16.717	16.709	16.730	VV	4180	44567	0.60%	0.039%
242	16.749	16.730	16.778	VV	7000	142722	1.93%	0.126%
243	16.811	16.778	16.822	VV	14347	228036	3.08%	0.201%
244	16.839	16.822	16.863	VV	20177	289264	3.90%	0.255%
245	16.909	16.863	16.974	VV	234282	4554375	61.48%	4.021%
246	16.986	16.974	16.994	VV	3333	36613	0.49%	0.032%

Instrument :

FID_E

ClientSampleId :

3DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025

Supervised By :mohammad ahmed 08/25/2025

Instrument : FID_E ClientSampleId : 3DL									
rteres									
247	17.037	16.994	17.059	VV	58214	797371	10.76%	0.704%	
248	17.071	17.059	17.112	VV	13268	255959			
249	17.127	17.112	17.137	VV	6323	78842			
250	17.156	17.137	17.172	VV	11789	174623			
251	17.231	17.172	17.258	VV	148058	2443567	32.85%	0.121%	
252	17.291	17.258	17.333	VV	205742	2742678	37.85%	0.121%	
253	17.355	17.333	17.366	VV	10067	136807	1.85%	0.121%	
254	17.389	17.366	17.414	VV	61418	799568	10.79%	0.706%	
255	17.437	17.414	17.466	VV	14723	273028	3.69%	0.241%	
256	17.528	17.466	17.569	VV	14193	546921	7.38%	0.483%	
257	17.589	17.569	17.609	VV	8043	133075	1.80%	0.117%	
258	17.653	17.609	17.721	VV	18257	626418	8.46%	0.553%	
259	17.811	17.721	17.848	VV	17249	651121	8.79%	0.575%	
260	17.873	17.848	17.890	VV	12722	209407	2.83%	0.185%	
261	17.900	17.890	17.921	VV	9812	140691	1.90%	0.124%	
262	17.949	17.921	17.970	VV	15329	288485	3.89%	0.255%	
263	17.981	17.970	18.024	VV	7944	190709	2.57%	0.168%	
264	18.071	18.024	18.113	VV	8081	293046	3.96%	0.259%	
265	18.140	18.113	18.168	VV	4445	115840	1.56%	0.102%	
266	18.219	18.168	18.226	VV	8441	194693	2.63%	0.172%	
267	18.251	18.226	18.260	VV	13183	222157	3.00%	0.196%	
268	18.272	18.260	18.299	VV	14409	274605	3.71%	0.242%	
269	18.318	18.299	18.329	VV	11821	182281	2.46%	0.161%	
270	18.346	18.329	18.364	VV	13930	254191	3.43%	0.224%	
271	18.386	18.364	18.405	VV	17841	329249	4.44%	0.291%	
272	18.429	18.405	18.493	VV	24297	864548	11.67%	0.763%	
273	18.516	18.493	18.539	VV	19450	386344	5.22%	0.341%	
274	18.571	18.539	18.629	VV	48184	1164982	15.73%	1.029%	
275	18.667	18.629	18.691	VV	148850	2298591	31.03%	2.029%	
276	18.702	18.691	18.728	VV	33648	611245	8.25%	0.540%	
277	18.744	18.728	18.767	VV	25461	473281	6.39%	0.418%	
278	18.795	18.767	18.810	VV	46594	771768	10.42%	0.681%	
279	18.828	18.810	18.889	VV	48994	1313758	17.73%	1.160%	
280	18.923	18.889	18.968	VV	136406	2222852	30.01%	1.963%	
281	19.002	18.968	19.028	VV	26522	765646	10.34%	0.676%	
282	19.052	19.028	19.113	VV	47020	1251326	16.89%	1.105%	
283	19.147	19.113	19.167	VV	17798	500143	6.75%	0.442%	
284	19.181	19.167	19.193	VV	15497	228771	3.09%	0.202%	
285	19.227	19.193	19.280	VV	19271	856300	11.56%	0.756%	
286	19.309	19.280	19.324	VV	18322	456320	6.16%	0.403%	
287	19.348	19.324	19.370	VV	23493	541743	7.31%	0.478%	
288	19.395	19.370	19.412	VV	19154	457316	6.17%	0.404%	
289	19.434	19.412	19.458	VV	22594	544940	7.36%	0.481%	
290	19.484	19.458	19.514	VV	23951	709903	9.58%	0.627%	
291	19.524	19.514	19.540	VV	19676	287423	3.88%	0.254%	
292	19.553	19.540	19.567	VV	19214	311162	4.20%	0.275%	
293	19.600	19.567	19.657	VV	23917	1167566	15.76%	1.031%	
294	19.671	19.657	19.684	VV	19784	321367	4.34%	0.284%	
295	19.723	19.684	19.744	VV	22106	754023	10.18%	0.666%	
296	19.771	19.744	19.796	VV	22789	674214	9.10%	0.595%	
297	19.869	19.828	19.894	VV	26935	966075	13.04%	0.853%	
298	19.937	19.915	19.971	VV	26460	829340	11.19%	0.732%	
299	20.015	19.971	20.042	VV	32203	1191335	16.08%	1.052%	

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

Sum of corrected areas: 113260219

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/12/25
Project:	507 Franklin Ave	Date Received:	08/13/25
Client Sample ID:	4	SDG No.:	Q2868
Lab Sample ID:	Q2868-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/20/25 08:15	08/21/25 11:42	PB169321

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	345		10	9.57	42.0	mg/kg	FE055423.D
Total EPH	Total EPH	345			9.57	42.0	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/12/25
Project:	507 Franklin Ave	Date Received:	08/13/25
Client Sample ID:	4	SDG No.:	Q2868
Lab Sample ID:	Q2868-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055411.D	1	08/20/25	08/20/25	PB169321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	354	E	0.96	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	163	E	1.24	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	58.4		40 - 140	117%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.4		40 - 140	87%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2868-06	Acq On:	20 Aug 2025 15:04
Client Sample ID:	4	Operator:	YP\AJ
Data file:	FE055411.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.956	1694416	14.509	300	ug/ml
Aliphatic C12-C16	6.957	10.409	26759566	213.688	200	ug/ml
Aliphatic C16-C21	10.410	13.790	308524688	2440	300	ug/ml
Aliphatic C21-C28	13.791	17.463	290530413	2410	400	ug/ml
Aliphatic C28-C40	17.464	22.490	266259371	2340	600	ug/ml
Aliphatic EPH	3.321	22.490	893768454	7420		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	6198037	43.4		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	6274343	58.35		ug/ml
Aliphatic C9-C28	3.321	17.463	627509083	5080	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
 Data File : FE055411.D
 Signal(s) : FID1B.ch
 Acq On : 20 Aug 2025 15:04
 Operator : YP\AJ
 Sample : Q2868-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 4

Integration File: autoint1.e
 Quant Time: Aug 21 01:19:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.092	6198037	43.402 ug/ml
Spiked Amount 50.000		Recovery =	86.80%
12) S 1-chlorooctadecane (S...	13.526	6274343	58.353 ug/ml
Spiked Amount 50.000		Recovery =	116.71%

Target Compounds

(f)=RT Delta > 1/2 Window

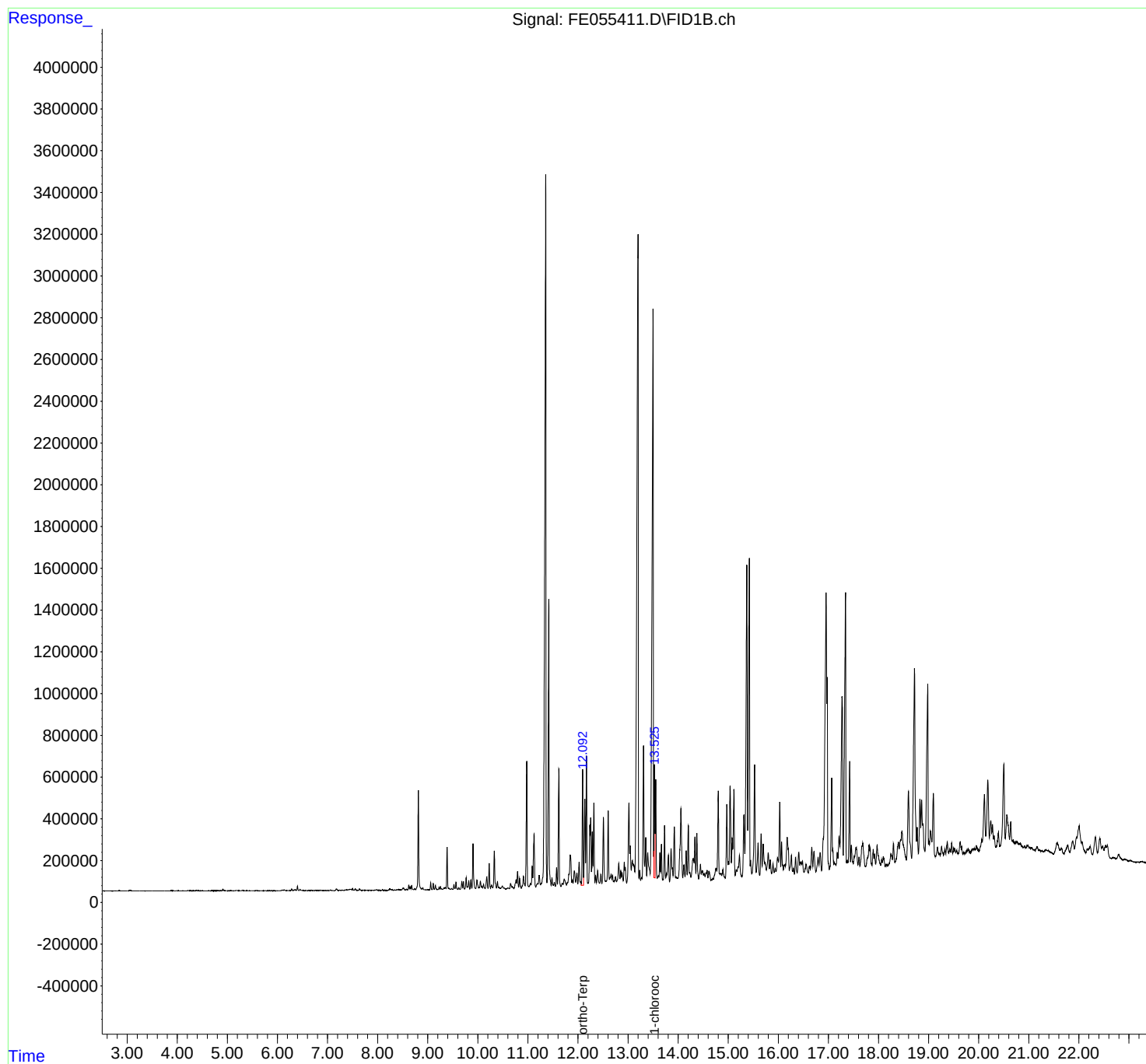
(m)=manual int.

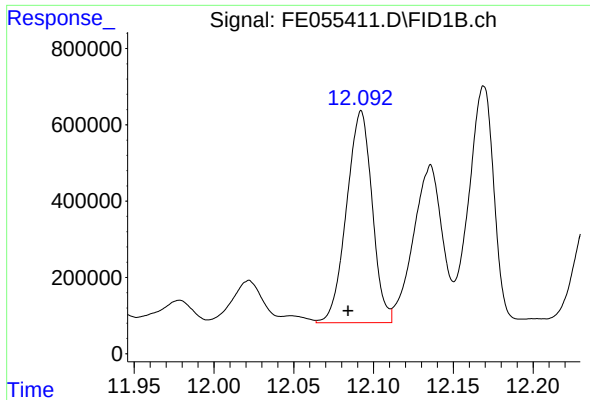
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
Data File : FE055411.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 15:04
Operator : YP\AJ
Sample : Q2868-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
4

Integration File: autoint1.e
Quant Time: Aug 21 01:19:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

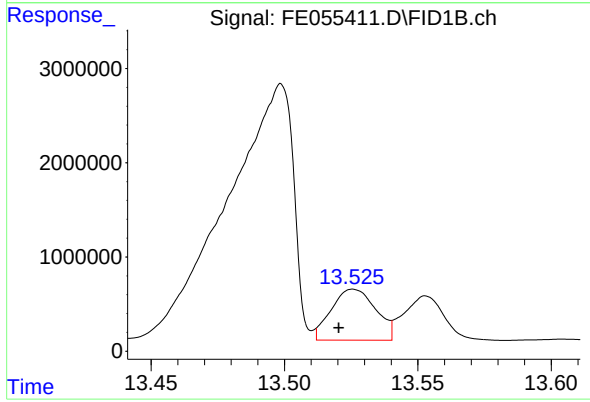




#9 ortho-Terphenyl (SURR)

R.T.: 12.092 min
Delta R.T.: 0.008 min
Response: 6198037
Conc: 43.40 ug/ml

Instrument :
FID_E
ClientSampleId :
4



#12 1-chlorooctadecane (SURR)

R.T.: 13.526 min
Delta R.T.: 0.006 min
Response: 6274343
Conc: 58.35 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
 Data File : FE055411.D
 Signal(s) : FID1B.ch
 Acq On : 20 Aug 2025 15:04
 Sample : Q2868-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.846	2.804	2.908	BV	540	13290	0.02%	0.001%
2	2.926	2.908	2.941	VV	69	1033	0.00%	0.000%
3	2.974	2.941	3.008	PV	117	2937	0.00%	0.000%
4	3.056	3.008	3.138	VV	3811	67357	0.11%	0.007%
5	3.156	3.138	3.195	VV	320	6831	0.01%	0.001%
6	3.214	3.195	3.251	VV	216	4242	0.01%	0.000%
7	3.284	3.251	3.325	VV	348	8372	0.01%	0.001%
8	3.334	3.325	3.365	VV	124	2317	0.00%	0.000%
9	3.415	3.365	3.431	VV	266	6108	0.01%	0.001%
10	3.438	3.431	3.481	VV	208	4458	0.01%	0.000%
11	3.489	3.481	3.520	VV	154	2025	0.00%	0.000%
12	3.543	3.520	3.588	PV	359	8555	0.01%	0.001%
13	3.618	3.588	3.678	VV	321	10714	0.02%	0.001%
14	3.708	3.678	3.731	VV	253	5098	0.01%	0.001%
15	3.773	3.731	3.818	VV	304	9970	0.02%	0.001%
16	3.827	3.818	3.844	VV	139	1838	0.00%	0.000%
17	3.875	3.844	3.970	VV	1631	40671	0.07%	0.004%
18	4.004	3.970	4.090	VV	1335	29638	0.05%	0.003%
19	4.106	4.090	4.153	VV	387	8024	0.01%	0.001%
20	4.166	4.153	4.178	VV	144	1707	0.00%	0.000%
21	4.213	4.178	4.249	VV	2391	35262	0.06%	0.004%
22	4.265	4.249	4.303	VV	1350	21181	0.03%	0.002%
23	4.333	4.303	4.351	VV	847	13785	0.02%	0.002%
24	4.379	4.351	4.407	VV	3148	47841	0.08%	0.005%
25	4.422	4.407	4.498	VV	1519	33589	0.05%	0.004%
26	4.508	4.498	4.524	VV	276	3785	0.01%	0.000%
27	4.534	4.524	4.585	VV	235	6811	0.01%	0.001%
28	4.617	4.585	4.658	VV	245	8272	0.01%	0.001%
29	4.674	4.658	4.705	VV	464	8104	0.01%	0.001%
30	4.719	4.705	4.740	VV	357	5571	0.01%	0.001%
31	4.753	4.740	4.771	VV	335	4945	0.01%	0.001%
32	4.785	4.771	4.824	VV	317	7229	0.01%	0.001%
33	4.845	4.824	4.885	VV	475	8529	0.01%	0.001%
34	4.912	4.885	4.976	VV	8078	113566	0.18%	0.013%
35	4.984	4.976	5.027	VV	584	13037	0.02%	0.001%
36	5.058	5.027	5.114	VV	1206	31698	0.05%	0.003%

					rteres			
37	5.175	5.114	5.270	VV	1765	77664	0.13%	0.009%
38	5.301	5.270	5.361	VV	2303	49196	0.08%	0.005%
39	5.386	5.361	5.410	VV	625	12561	0.02%	0.001%
40	5.440	5.410	5.457	VV	546	10742	0.02%	0.001%
41	5.472	5.457	5.491	VV	342	5724	0.01%	0.001%
42	5.499	5.491	5.518	VV	450	4850	0.01%	0.001%
43	5.528	5.518	5.546	VV	314	3774	0.01%	0.000%
44	5.567	5.546	5.579	VV	1161	12876	0.02%	0.001%
45	5.588	5.579	5.609	VV	882	11831	0.02%	0.001%
46	5.625	5.609	5.710	VV	946	18648	0.03%	0.002%
47	5.728	5.710	5.741	VV	542	5433	0.01%	0.001%
48	5.758	5.741	5.798	VV	825	11018	0.02%	0.001%
49	5.820	5.798	5.837	VV	472	5642	0.01%	0.001%
50	5.872	5.837	5.911	VV	1210	22762	0.04%	0.003%
51	5.933	5.911	5.954	VV	479	5236	0.01%	0.001%
52	5.966	5.954	5.984	PV	67	609	0.00%	0.000%
53	6.025	5.984	6.037	VV	235	4245	0.01%	0.000%
54	6.095	6.037	6.116	VV	3791	63867	0.10%	0.007%
55	6.135	6.116	6.202	VV	4023	84051	0.14%	0.009%
56	6.213	6.202	6.224	VV	733	8093	0.01%	0.001%
57	6.239	6.224	6.264	VV	888	17807	0.03%	0.002%
58	6.285	6.264	6.313	VV	8651	107642	0.17%	0.012%
59	6.333	6.313	6.376	VV	4857	107339	0.17%	0.012%
60	6.399	6.376	6.428	VV	22161	237270	0.38%	0.026%
61	6.450	6.428	6.494	VV	6838	112424	0.18%	0.012%
62	6.510	6.494	6.544	VV	1597	28405	0.05%	0.003%
63	6.553	6.544	6.578	VV	616	9980	0.02%	0.001%
64	6.590	6.578	6.603	VV	606	7262	0.01%	0.001%
65	6.622	6.603	6.658	VV	1152	24623	0.04%	0.003%
66	6.690	6.658	6.731	VV	1304	36251	0.06%	0.004%
67	6.751	6.731	6.784	VV	1530	27328	0.04%	0.003%
68	6.801	6.784	6.838	VV	1065	19194	0.03%	0.002%
69	6.855	6.838	6.904	VV	2173	34885	0.06%	0.004%
70	6.928	6.904	6.950	VV	668	10856	0.02%	0.001%
71	6.966	6.950	6.982	VV	430	5034	0.01%	0.001%
72	7.014	6.982	7.035	VV	494	9128	0.01%	0.001%
73	7.058	7.035	7.125	PV	3553	51370	0.08%	0.006%
74	7.177	7.125	7.220	VV	8495	152805	0.25%	0.017%
75	7.241	7.220	7.262	VV	2480	43335	0.07%	0.005%
76	7.289	7.262	7.322	VV	2676	51397	0.08%	0.006%
77	7.349	7.322	7.359	VV	3231	46165	0.07%	0.005%
78	7.376	7.359	7.383	VV	3808	51212	0.08%	0.006%
79	7.404	7.383	7.428	VV	4320	108918	0.18%	0.012%
80	7.451	7.428	7.484	VV	6369	184220	0.30%	0.020%
81	7.499	7.484	7.523	VV	11081	128816	0.21%	0.014%
82	7.555	7.523	7.587	VV	9188	138228	0.22%	0.015%
83	7.602	7.587	7.621	VV	1805	26110	0.04%	0.003%
84	7.639	7.621	7.669	VV	8555	106865	0.17%	0.012%
85	7.678	7.669	7.694	VV	1284	14643	0.02%	0.002%
86	7.711	7.694	7.724	VV	1387	17180	0.03%	0.002%
87	7.736	7.724	7.748	VV	1092	12937	0.02%	0.001%
88	7.762	7.748	7.788	VV	1571	24780	0.04%	0.003%
89	7.804	7.788	7.821	VV	906	14199	0.02%	0.002%

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90	7.838	7.821	7.848	VV	797	10426	0.02%	0.001%
91	7.860	7.848	7.875	VV	966	11976	0.02%	0.001%
92	7.888	7.875	7.903	VV	1257	13768	0.02%	0.002%
93	7.914	7.903	7.923	VV	666	7596	0.01%	0.001%
94	7.943	7.923	7.954	VV	2460	27889	0.05%	0.003%
95	7.985	7.954	8.048	VV	4322	95600	0.15%	0.011%
96	8.062	8.048	8.076	VV	733	6995	0.01%	0.001%
97	8.098	8.076	8.128	VV	3072	37662	0.06%	0.004%
98	8.146	8.128	8.173	VV	2661	26941	0.04%	0.003%
99	8.193	8.173	8.206	PV	673	7078	0.01%	0.001%
100	8.241	8.206	8.258	VV	8847	118142	0.19%	0.013%
101	8.267	8.258	8.311	VV	3973	83757	0.14%	0.009%
102	8.344	8.311	8.361	VV	1948	32942	0.05%	0.004%
103	8.404	8.361	8.414	VV	3979	82295	0.13%	0.009%
104	8.427	8.414	8.453	VV	4155	71404	0.12%	0.008%
105	8.471	8.453	8.481	VV	2651	35006	0.06%	0.004%
106	8.517	8.481	8.554	VV	10721	242253	0.39%	0.027%
107	8.573	8.554	8.595	VV	6090	74622	0.12%	0.008%
108	8.622	8.595	8.637	VV	24756	276306	0.45%	0.030%
109	8.650	8.637	8.663	VV	16888	175880	0.29%	0.019%
110	8.678	8.663	8.721	VV	22763	313276	0.51%	0.035%
111	8.741	8.721	8.758	VV	8355	104141	0.17%	0.011%
112	8.812	8.758	8.883	VV	475813	5572816	9.03%	0.615%
113	8.900	8.883	8.934	VV	11439	155645	0.25%	0.017%
114	8.945	8.934	8.964	VV	1313	15660	0.03%	0.002%
115	8.988	8.964	8.997	VV	1192	14617	0.02%	0.002%
116	9.012	8.997	9.035	VV	2323	29112	0.05%	0.003%
117	9.059	9.035	9.087	VV	34223	351771	0.57%	0.039%
118	9.110	9.087	9.130	VV	31187	317134	0.51%	0.035%
119	9.153	9.130	9.202	VV	21168	300734	0.49%	0.033%
120	9.225	9.202	9.238	VV	10822	119507	0.19%	0.013%
121	9.253	9.238	9.292	VV	16609	236301	0.38%	0.026%
122	9.349	9.292	9.363	VV	11689	290150	0.47%	0.032%
123	9.386	9.363	9.411	VV	205938	2150253	3.49%	0.237%
124	9.422	9.411	9.452	VV	7802	118787	0.19%	0.013%
125	9.477	9.452	9.494	VV	6326	84652	0.14%	0.009%
126	9.523	9.494	9.543	VV	24808	293535	0.48%	0.032%
127	9.564	9.543	9.603	VV	35915	434539	0.70%	0.048%
128	9.622	9.603	9.645	VV	10070	110180	0.18%	0.012%
129	9.681	9.645	9.698	VV	38629	496531	0.80%	0.055%
130	9.713	9.698	9.734	VV	39613	410583	0.67%	0.045%
131	9.767	9.734	9.789	VV	56390	709667	1.15%	0.078%
132	9.819	9.789	9.840	VV	40705	582025	0.94%	0.064%
133	9.862	9.840	9.880	VV	46452	524201	0.85%	0.058%
134	9.904	9.880	9.956	VV	220117	2709917	4.39%	0.299%
135	9.983	9.956	10.016	VV	45100	750072	1.22%	0.083%
136	10.026	10.016	10.031	VV	10311	82872	0.13%	0.009%
137	10.052	10.031	10.072	VV	38733	545663	0.88%	0.060%
138	10.081	10.072	10.095	VV	15790	169184	0.27%	0.019%
139	10.116	10.095	10.146	VV	23886	377632	0.61%	0.042%
140	10.179	10.146	10.204	VV	59463	921192	1.49%	0.102%
141	10.227	10.204	10.254	VV	124029	1427655	2.31%	0.157%

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142	10.274	10.254	10.297	VV	17876	312516	0.51%	0.034%
143	10.330	10.297	10.373	VV	181324	2522725	4.09%	0.278%
144	10.392	10.373	10.446	VV	36307	578441	0.94%	0.064%
145	10.490	10.446	10.517	VV	15000	336348	0.55%	0.037%
146	10.529	10.517	10.553	VV	6131	73878	0.12%	0.008%
147	10.601	10.553	10.631	PV	5199	117461	0.19%	0.013%
148	10.654	10.631	10.682	VV	25198	408570	0.66%	0.045%
149	10.693	10.682	10.721	VV	9054	137021	0.22%	0.015%
150	10.764	10.721	10.776	VV	43290	754177	1.22%	0.083%
151	10.794	10.776	10.816	VV	82381	1068172	1.73%	0.118%
152	10.834	10.816	10.869	VV	48618	656186	1.06%	0.072%
153	10.912	10.869	10.943	VV	58051	1043889	1.69%	0.115%
154	10.977	10.943	11.019	VV	613177	7554920	12.25%	0.833%
155	11.053	11.019	11.063	VV	20961	369837	0.60%	0.041%
156	11.085	11.063	11.097	VV	103058	1237296	2.01%	0.136%
157	11.123	11.097	11.157	VV	256059	4020261	6.52%	0.443%
158	11.192	11.157	11.204	VV	19625	413687	0.67%	0.046%
159	11.225	11.204	11.251	VV	59956	1008785	1.64%	0.111%
160	11.353	11.251	11.380	VV	3398566	56412011	91.46%	6.221%
161	11.416	11.380	11.464	VV	1421569	16772517	27.19%	1.850%
162	11.481	11.464	11.509	VV	45648	574505	0.93%	0.063%
163	11.528	11.509	11.548	VV	22638	299202	0.49%	0.033%
164	11.572	11.548	11.590	VV	92384	1039256	1.68%	0.115%
165	11.617	11.590	11.658	VV	566851	6523807	10.58%	0.719%
166	11.688	11.658	11.703	VV	16992	282481	0.46%	0.031%
167	11.726	11.703	11.771	VV	36091	885008	1.43%	0.098%
168	11.845	11.771	11.876	VV	149231	3947642	6.40%	0.435%
169	11.887	11.876	11.901	VV	30212	361325	0.59%	0.040%
170	11.927	11.901	11.952	VV	73596	1417355	2.30%	0.156%
171	11.978	11.952	11.997	VV	62176	959708	1.56%	0.106%
172	12.022	11.997	12.064	VV	113149	1767388	2.87%	0.195%
173	12.092	12.064	12.112	VV	552368	6270228	10.17%	0.691%
174	12.135	12.112	12.150	VV	408522	5229968	8.48%	0.577%
175	12.169	12.150	12.208	VV	620039	6924526	11.23%	0.764%
176	12.252	12.208	12.269	VV	319080	6573255	10.66%	0.725%
177	12.285	12.269	12.298	VV	256823	2926954	4.75%	0.323%
178	12.317	12.298	12.338	VV	398371	4630575	7.51%	0.511%
179	12.353	12.338	12.370	VV	46760	562027	0.91%	0.062%
180	12.392	12.370	12.430	VV	69316	1198082	1.94%	0.132%
181	12.456	12.430	12.477	VV	51084	746574	1.21%	0.082%
182	12.507	12.477	12.559	VV	324004	4720119	7.65%	0.521%
183	12.602	12.559	12.627	VV	354549	4504499	7.30%	0.497%
184	12.660	12.627	12.677	VV	48545	1079929	1.75%	0.119%
185	12.690	12.677	12.708	VV	45432	561586	0.91%	0.062%
186	12.749	12.708	12.770	VV	36428	818959	1.33%	0.090%
187	12.813	12.770	12.838	VV	100264	1935666	3.14%	0.213%
188	12.854	12.838	12.867	VV	64878	809271	1.31%	0.089%
189	12.879	12.867	12.903	VV	54701	816301	1.32%	0.090%
190	12.924	12.903	12.936	VV	104265	1251865	2.03%	0.138%
191	12.943	12.936	12.971	VV	80666	943233	1.53%	0.104%
192	13.016	12.971	13.033	VV	390190	5897325	9.56%	0.650%
193	13.041	13.033	13.063	VV	181496	2393952	3.88%	0.264%
194	13.084	13.063	13.101	VV	108250	2121101	3.44%	0.234%

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195	13.110	13.101	13.133	VV	93253	1570525	2.55%	0.173%
196	13.196	13.133	13.218	VV	3044586	61682140	100.00%	6.802%
197	13.232	13.218	13.252	VV	63366	794332	1.29%	0.088%
198	13.308	13.252	13.333	VV	662436	9161782	14.85%	1.010%
199	13.353	13.333	13.372	VV	220368	2936561	4.76%	0.324%
200	13.392	13.372	13.440	VV	145535	3525913	5.72%	0.389%
201	13.497	13.440	13.513	VV	2740168	48518447	78.66%	5.350%
202	13.526	13.513	13.541	VV	567708	6683678	10.84%	0.737%
203	13.553	13.541	13.584	VV	494267	5457846	8.85%	0.602%
204	13.605	13.584	13.614	VV	34010	510530	0.83%	0.056%
205	13.635	13.614	13.649	VV	142513	1723443	2.79%	0.190%
206	13.666	13.649	13.704	VV	181267	2413295	3.91%	0.266%
207	13.728	13.704	13.752	VV	271148	3141414	5.09%	0.346%
208	13.805	13.752	13.829	VV	127743	2579042	4.18%	0.284%
209	13.859	13.829	13.898	VV	159864	2948130	4.78%	0.325%
210	13.924	13.898	13.948	VV	266515	3810600	6.18%	0.420%
211	13.958	13.948	13.993	VV	25056	540173	0.88%	0.060%
212	14.055	13.993	14.092	VV	349317	7930290	12.86%	0.875%
213	14.114	14.092	14.137	VV	79762	1326621	2.15%	0.146%
214	14.160	14.137	14.180	VV	146296	2099742	3.40%	0.232%
215	14.203	14.180	14.226	VV	266091	3546277	5.75%	0.391%
216	14.233	14.226	14.255	VV	41101	561817	0.91%	0.062%
217	14.295	14.255	14.317	VV	107534	2775510	4.50%	0.306%
218	14.334	14.317	14.353	VV	212674	2771011	4.49%	0.306%
219	14.373	14.353	14.409	VV	229866	3184505	5.16%	0.351%
220	14.445	14.409	14.462	VV	79638	1356452	2.20%	0.150%
221	14.485	14.462	14.505	VV	46521	1018360	1.65%	0.112%
222	14.516	14.505	14.537	VV	33606	553385	0.90%	0.061%
223	14.576	14.537	14.594	VV	49859	1152347	1.87%	0.127%
224	14.614	14.594	14.655	VV	45195	902897	1.46%	0.100%
225	14.690	14.655	14.704	PV	9813	143821	0.23%	0.016%
226	14.758	14.704	14.770	VV	56057	1392986	2.26%	0.154%
227	14.800	14.770	14.838	VV	428831	5994186	9.72%	0.661%
228	14.852	14.838	14.871	VV	31119	548796	0.89%	0.061%
229	14.892	14.871	14.939	VV	47603	1015848	1.65%	0.112%
230	14.971	14.939	15.011	VV	357256	5869902	9.52%	0.647%
231	15.036	15.011	15.062	VV	440059	7329653	11.88%	0.808%
232	15.080	15.062	15.090	VV	196574	2504317	4.06%	0.276%
233	15.113	15.090	15.139	VV	424502	6342087	10.28%	0.699%
234	15.162	15.139	15.175	VV	42028	733643	1.19%	0.081%
235	15.223	15.175	15.274	VV	110802	2956566	4.79%	0.326%
236	15.312	15.274	15.330	VV	302146	4769359	7.73%	0.526%
237	15.370	15.330	15.389	VV	1507568	25898912	41.99%	2.856%
238	15.419	15.389	15.469	VV	1558038	22837503	37.02%	2.518%
239	15.525	15.469	15.558	VV	533743	8909379	14.44%	0.982%
240	15.594	15.558	15.627	VV	163086	2853264	4.63%	0.315%
241	15.656	15.627	15.677	VV	207600	2982844	4.84%	0.329%
242	15.698	15.677	15.759	VV	157812	4014451	6.51%	0.443%
243	15.798	15.759	15.822	VV	113091	2543891	4.12%	0.281%
244	15.839	15.822	15.868	VV	79834	1238889	2.01%	0.137%
245	15.893	15.868	15.916	VV	58981	981763	1.59%	0.108%
246	15.936	15.916	15.953	VV	37238	618211	1.00%	0.068%

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247	15.983	15.953	16.001	VV	88171	1764503	2.86%	0.195%
248	16.028	16.001	16.048	VV	353804	5009963	8.12%	0.552%
249	16.065	16.048	16.101	VV	161321	2567831	4.16%	0.283%
250	16.131	16.101	16.141	VV	51861	1070135	1.73%	0.118%
251	16.177	16.141	16.220	VV	180233	5096046	8.26%	0.562%
252	16.260	16.220	16.284	VV	95435	1904434	3.09%	0.210%
253	16.302	16.284	16.321	VV	30874	448347	0.73%	0.049%
254	16.344	16.321	16.375	VV	81987	1255009	2.03%	0.138%
255	16.408	16.375	16.427	VV	106453	1928951	3.13%	0.213%
256	16.444	16.427	16.466	VV	59675	1257013	2.04%	0.139%
257	16.482	16.466	16.512	VV	63879	1044934	1.69%	0.115%
258	16.554	16.512	16.595	VV	47636	1224620	1.99%	0.135%
259	16.622	16.595	16.638	VV	35370	618064	1.00%	0.068%
260	16.668	16.638	16.689	VV	127186	2189228	3.55%	0.241%
261	16.711	16.689	16.748	VV	105494	2111310	3.42%	0.233%
262	16.793	16.748	16.811	VV	76589	1542530	2.50%	0.170%
263	16.834	16.811	16.864	VV	98276	1878812	3.05%	0.207%
264	16.953	16.864	17.018	VV	1325806	41214769	66.82%	4.545%
265	17.066	17.018	17.108	VV	449139	7794011	12.64%	0.859%
266	17.117	17.108	17.150	VV	43887	1009870	1.64%	0.111%
267	17.176	17.150	17.190	VV	91945	1577191	2.56%	0.174%
268	17.213	17.190	17.229	VV	169526	2991448	4.85%	0.330%
269	17.273	17.229	17.296	VV	834367	17862633	28.96%	1.970%
270	17.340	17.296	17.361	VV	1336757	23531002	38.15%	2.595%
271	17.370	17.361	17.391	VV	48283	833079	1.35%	0.092%
272	17.423	17.391	17.442	VV	528399	6935636	11.24%	0.765%
273	17.458	17.442	17.497	VV	122842	2331614	3.78%	0.257%
274	17.552	17.497	17.590	VV	110944	4096669	6.64%	0.452%
275	17.610	17.590	17.629	VV	64673	1006783	1.63%	0.111%
276	17.685	17.629	17.745	VV	129262	4768233	7.73%	0.526%
277	17.812	17.745	17.867	VV	118761	4557835	7.39%	0.503%
278	17.894	17.867	17.910	VV	96060	1566387	2.54%	0.173%
279	17.921	17.910	17.942	VV	75608	1040738	1.69%	0.115%
280	17.972	17.942	18.044	VV	117744	3472666	5.63%	0.383%
281	18.063	18.044	18.077	VV	45392	685090	1.11%	0.076%
282	18.097	18.077	18.133	VV	57026	1260612	2.04%	0.139%
283	18.150	18.133	18.184	VV	21732	503068	0.82%	0.055%
284	18.249	18.184	18.276	VV	67718	2204136	3.57%	0.243%
285	18.298	18.276	18.327	VV	117805	2132350	3.46%	0.235%
286	18.397	18.327	18.411	VV	122978	3631334	5.89%	0.400%
287	18.468	18.411	18.555	VV	176555	9253981	15.00%	1.020%
288	18.596	18.555	18.660	VV	360068	9787438	15.87%	1.079%
289	18.717	18.660	18.757	VV	947954	23247613	37.69%	2.564%
290	18.771	18.757	18.796	VV	187875	3021989	4.90%	0.333%
291	18.827	18.796	18.843	VV	320520	5634543	9.13%	0.621%
292	18.860	18.843	18.928	VV	317587	9224169	14.95%	1.017%
293	18.980	18.928	19.018	VV	857583	18880742	30.61%	2.082%
294	19.040	19.018	19.065	VV	165891	3898383	6.32%	0.430%
295	19.094	19.065	19.144	VV	346647	7185351	11.65%	0.792%
296	19.175	19.144	19.232	VV	84174	3162648	5.13%	0.349%
297	19.258	19.232	19.294	VV	88541	2447055	3.97%	0.270%
298	19.325	19.294	19.341	VV	74877	1718119	2.79%	0.189%
299	19.372	19.341	19.401	VV	109512	2813763	4.56%	0.310%

rteres								
300	19.423	19.401	19.439	VV	71333	1491059	2.42%	0.164%
301	19.460	19.439	19.484	VV	99562	2016377	3.27%	0.222%
302	19.501	19.484	19.543	VV	75382	2332362	3.78%	0.257%
303	19.560	19.543	19.597	VV	65752	1838322	2.98%	0.203%
304	19.631	19.597	19.681	VV	106956	3757497	6.09%	0.414%
305	19.696	19.681	19.714	VV	53611	982855	1.59%	0.108%
306	19.788	19.714	19.818	VV	67232	3515063	5.70%	0.388%
307	19.828	19.818	19.837	VV	51683	597710	0.97%	0.066%
308	19.908	19.837	19.941	VV	68435	3939547	6.39%	0.434%
309	19.958	19.941	20.007	VV	79128	2599711	4.21%	0.287%
310	20.114	20.007	20.142	VV	325025	11548390	18.72%	1.273%
311	20.182	20.142	20.213	VV	391979	10367725	16.81%	1.143%
312	20.241	20.213	20.261	VV	190127	4593528	7.45%	0.507%
313	20.275	20.261	20.296	VV	177353	3093978	5.02%	0.341%
314	20.309	20.296	20.338	VV	123539	2512917	4.07%	0.277%
315	20.393	20.338	20.425	VV	136033	4794322	7.77%	0.529%
316	20.502	20.425	20.530	VV	460845	12972764	21.03%	1.431%
317	20.563	20.530	20.616	VV	216054	8268797	13.41%	0.912%
318	20.640	20.616	20.671	VV	186531	4288231	6.95%	0.473%
319	20.688	20.671	20.732	VV	94828	3198364	5.19%	0.353%
320	20.763	20.732	20.808	VV	88862	3750310	6.08%	0.414%
321	20.830	20.808	20.893	VV	81299	3483997	5.65%	0.384%
322	20.917	20.893	20.947	VV	63751	1898294	3.08%	0.209%
323	20.980	20.947	21.040	VV	67617	3301872	5.35%	0.364%
324	21.059	21.040	21.097	VV	53977	1693136	2.74%	0.187%
325	21.111	21.097	21.130	VV	43514	864930	1.40%	0.095%
326	21.170	21.130	21.194	VV	55867	1862965	3.02%	0.205%
327	21.212	21.194	21.249	VV	41056	1240627	2.01%	0.137%
328	21.266	21.249	21.293	VV	37914	911871	1.48%	0.101%
329	21.343	21.293	21.494	VV	40216	3646839	5.91%	0.402%
330	21.566	21.494	21.620	VV	70332	3371184	5.47%	0.372%
331	21.654	21.620	21.698	VV	41818	1427296	2.31%	0.157%
332	21.777	21.698	21.814	VV	53774	2370209	3.84%	0.261%
333	21.876	21.814	21.911	VV	71536	2744159	4.45%	0.303%
334	22.003	21.911	22.054	VV	142474	7829147	12.69%	0.863%
335	22.065	22.054	22.141	VV	66929	1853628	3.01%	0.204%
336	22.168	22.141	22.180	VV	30942	570832	0.93%	0.063%
337	22.223	22.180	22.274	VV	40587	1377360	2.23%	0.152%
338	22.329	22.274	22.369	PV	79980	2149501	3.48%	0.237%
Sum of corrected areas:						906826424		

Aliphatic EPH 080125.M Thu Aug 21 02:25:07 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/12/25
Project:	507 Franklin Ave	Date Received:	08/13/25
Client Sample ID:	4DL	SDG No.:	Q2868
Lab Sample ID:	Q2868-06DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055423.D	10	08/20/25	08/21/25	PB169321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	345		9.57	42.0	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	152		12.4	21.0	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	5.86		40 - 140	117%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	4.18		40 - 140	84%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2868-06DL	Acq On:	21 Aug 2025 11:42
Client Sample ID:	4DL	Operator:	YP\AJ
Data file:	FE055423.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.954	329052	2.818	300	ug/ml
Aliphatic C12-C16	6.955	10.407	2916625	23.291	200	ug/ml
Aliphatic C16-C21	10.408	13.787	30491622	241.222	300	ug/ml
Aliphatic C21-C28	13.788	17.460	27827881	230.926	400	ug/ml
Aliphatic C28-C40	17.461	22.485	24744978	217.086	600	ug/ml
Aliphatic EPH	3.319	22.485	86310158	715.342		ug/ml
ortho-Terphenyl (SURR)	12.083	12.083	597018	4.18		ug/ml
1-chlorooctadecane (SURR)	13.532	13.532	630315	5.86		ug/ml
Aliphatic C9-C28	3.319	17.460	61565180	498.257	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
 Data File : FE055423.D
 Signal(s) : FID1B.ch
 Acq On : 21 Aug 2025 11:42
 Operator : YP\AJ
 Sample : Q2868-06DL 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 4DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2025
 Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
 Quant Time: Aug 22 01:16:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.083	597018	4.181 ug/mlm
Spiked Amount 50.000		Recovery =	8.36%
12) S 1-chlorooctadecane (S...	13.532	630315	5.862 ug/mlm
Spiked Amount 50.000		Recovery =	11.72%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
Data File : FE055423.D
Signal(s) : FID1B.ch
Acq On : 21 Aug 2025 11:42
Operator : YP\AJ
Sample : Q2868-06DL 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

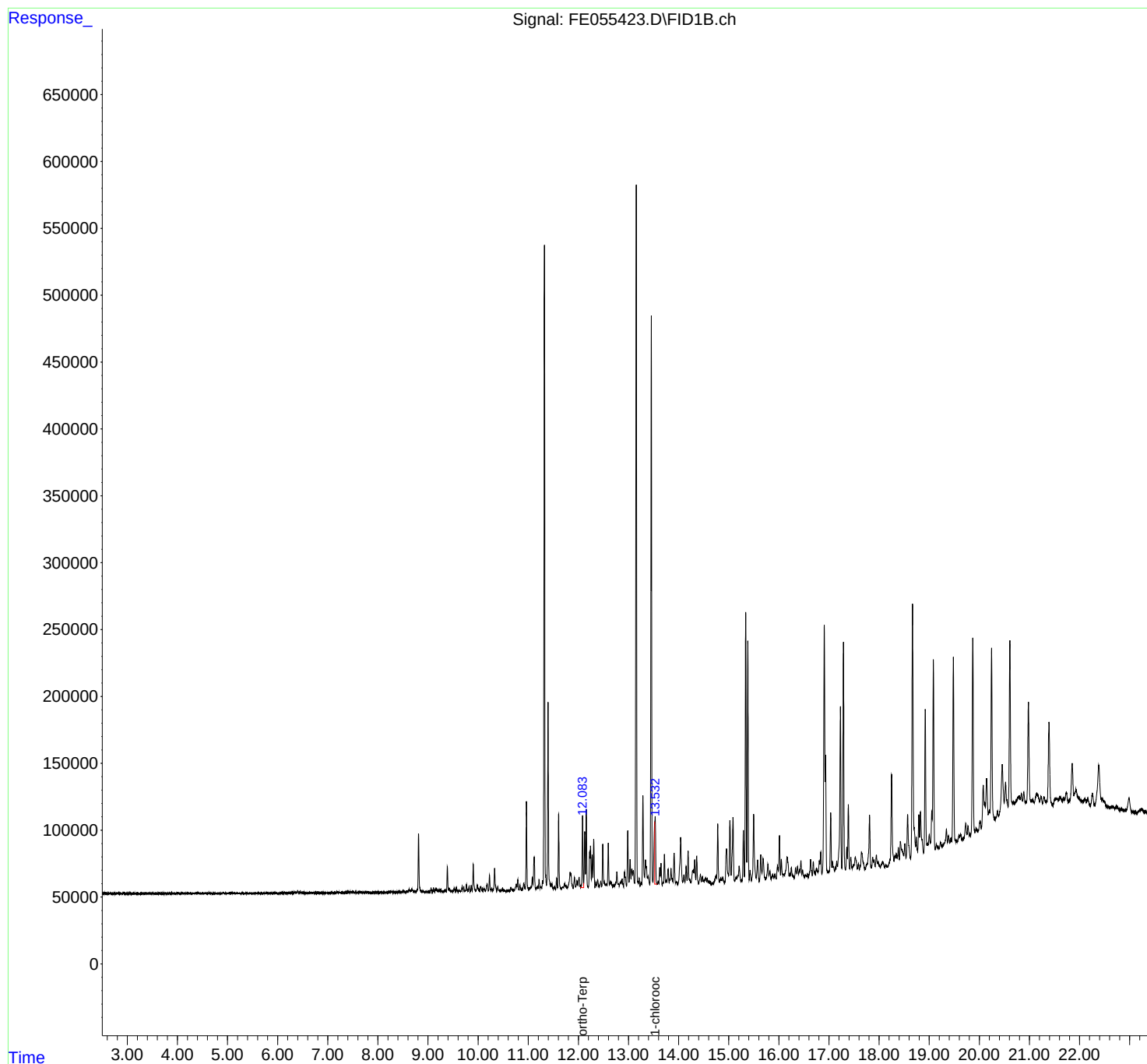
Instrument :
FID_E
ClientSampleId :
4DL

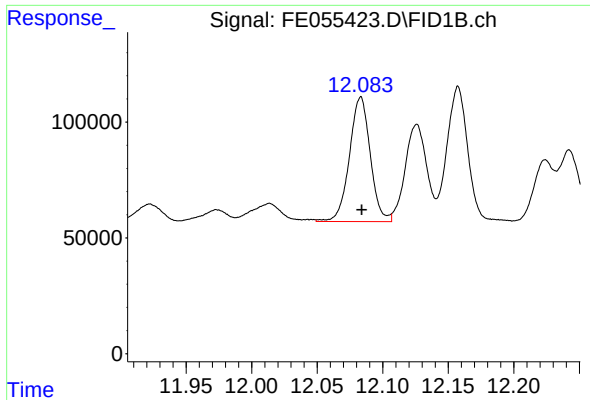
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
Quant Time: Aug 22 01:16:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





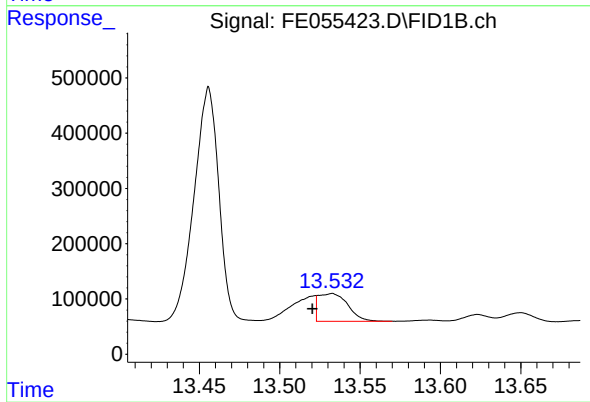
#9 ortho-Terphenyl (SURR)

R.T.: 12.083 min
Delta R.T.: 0.000 min
Response: 597018
Conc: 4.18 ug/ml

Instrument :
FID_E
ClientSampleId :
4DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.532 min
Delta R.T.: 0.012 min
Response: 630315
Conc: 5.86 ug/ml m

Instrument :
FID_E
ClientSampleId :
4DL

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE08212
Data File : FE055423.D
Signal(s) : FID1B.ch
Acq On : 21 Aug 2025 11:42
Sample : Q2868-06DL 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.845	2.805	2.903	BV	179	4626	0.08%	0.005%
2	2.915	2.903	2.939	VV	111	1527	0.03%	0.002%
3	2.967	2.939	2.995	VV	101	1979	0.03%	0.002%
4	3.007	2.995	3.016	VV	112	638	0.01%	0.001%
5	3.052	3.016	3.079	PV	534	6616	0.11%	0.008%
6	3.089	3.079	3.104	VV	100	1140	0.02%	0.001%
7	3.115	3.104	3.122	VV	92	835	0.01%	0.001%
8	3.129	3.122	3.145	VV	138	958	0.02%	0.001%
9	3.151	3.145	3.168	VV	54	704	0.01%	0.001%
10	3.221	3.168	3.235	VV	144	2406	0.04%	0.003%
11	3.238	3.235	3.258	VV	75	553	0.01%	0.001%
12	3.348	3.258	3.375	VV	156	5254	0.09%	0.006%
13	3.441	3.375	3.518	VV	132	6128	0.10%	0.007%
14	3.560	3.518	3.585	VV	174	3760	0.06%	0.004%
15	3.632	3.585	3.648	VV	136	3550	0.06%	0.004%
16	3.665	3.648	3.680	VV	71	870	0.01%	0.001%
17	3.690	3.680	3.701	PV	98	787	0.01%	0.001%
18	3.737	3.701	3.757	VV	128	2408	0.04%	0.003%
19	3.766	3.757	3.792	VV	130	1327	0.02%	0.002%
20	3.836	3.792	3.845	VV	125	2268	0.04%	0.003%
21	3.891	3.845	3.922	VV	529	9651	0.16%	0.011%
22	3.930	3.922	3.961	VV	91	1888	0.03%	0.002%
23	4.006	3.961	4.039	VV	492	7302	0.12%	0.008%
24	4.065	4.039	4.095	VV	131	2670	0.05%	0.003%
25	4.215	4.095	4.268	VV	265	11063	0.19%	0.013%
26	4.284	4.268	4.308	VV	122	2227	0.04%	0.003%
27	4.328	4.308	4.358	VV	137	2731	0.05%	0.003%
28	4.378	4.358	4.404	VV	388	6440	0.11%	0.007%
29	4.420	4.404	4.507	VV	240	9142	0.16%	0.011%
30	4.516	4.507	4.525	VV	194	1520	0.03%	0.002%
31	4.539	4.525	4.565	VV	171	3120	0.05%	0.004%
32	4.576	4.565	4.632	VV	156	4764	0.08%	0.005%
33	4.663	4.632	4.764	VV	153	8134	0.14%	0.009%
34	4.792	4.764	4.808	PV	166	2840	0.05%	0.003%
35	4.815	4.808	4.861	VV	129	2671	0.05%	0.003%
36	4.911	4.861	4.951	VV	906	13418	0.23%	0.015%

					retention			
37	4.970	4.951	4.989	VV	203	3340	0.06%	0.004%
38	5.021	4.989	5.036	VV	147	3237	0.06%	0.004%
39	5.058	5.036	5.142	VV	316	11173	0.06%	0.004%
40	5.169	5.142	5.181	VV	222	4339	0.06%	0.004%
41	5.193	5.181	5.205	VV	251	2905	0.07%	0.004%
42	5.215	5.205	5.228	VV	207	2523	0.07%	0.004%
43	5.234	5.228	5.278	VV	234	3889	0.07%	0.004%
44	5.304	5.278	5.351	VV	278	7151	0.12%	0.008%
45	5.448	5.351	5.458	VV	185	7595	0.13%	0.009%
46	5.465	5.458	5.515	VV	146	1847	0.03%	0.002%
47	5.522	5.515	5.548	VV	72	882	0.01%	0.001%
48	5.566	5.548	5.599	PV	184	3390	0.06%	0.004%
49	5.627	5.599	5.680	VV	162	4485	0.08%	0.005%
50	5.693	5.680	5.741	VV	172	2680	0.05%	0.003%
51	5.759	5.741	5.808	VV	159	4028	0.07%	0.005%
52	5.816	5.808	5.861	VV	146	3825	0.06%	0.004%
53	5.868	5.861	5.926	VV	222	4450	0.08%	0.005%
54	5.938	5.926	5.983	VV	94	3106	0.05%	0.004%
55	5.992	5.983	5.998	VV	118	766	0.01%	0.001%
56	6.011	5.998	6.050	VV	154	2534	0.04%	0.003%
57	6.096	6.050	6.121	PV	385	7901	0.13%	0.009%
58	6.136	6.121	6.178	VV	451	7404	0.13%	0.009%
59	6.203	6.178	6.214	VV	116	1911	0.03%	0.002%
60	6.228	6.214	6.251	VV	102	1518	0.03%	0.002%
61	6.286	6.251	6.317	VV	834	11459	0.19%	0.013%
62	6.338	6.317	6.348	VV	481	6541	0.11%	0.008%
63	6.357	6.348	6.381	VV	439	6466	0.11%	0.007%
64	6.399	6.381	6.427	VV	2128	24674	0.42%	0.028%
65	6.451	6.427	6.473	VV	773	12329	0.21%	0.014%
66	6.483	6.473	6.551	VV	279	10779	0.18%	0.012%
67	6.554	6.551	6.605	VV	273	4540	0.08%	0.005%
68	6.637	6.605	6.709	VV	288	12885	0.22%	0.015%
69	6.762	6.709	6.785	VV	186	7769	0.13%	0.009%
70	6.799	6.785	6.835	VV	266	6701	0.11%	0.008%
71	6.863	6.835	6.918	VV	333	8972	0.15%	0.010%
72	6.930	6.918	6.971	VV	204	3125	0.05%	0.004%
73	6.987	6.971	7.043	VV	180	3069	0.05%	0.004%
74	7.073	7.043	7.145	PV	226	7271	0.12%	0.008%
75	7.180	7.145	7.223	VV	736	18402	0.31%	0.021%
76	7.243	7.223	7.335	VV	424	16025	0.27%	0.018%
77	7.454	7.335	7.483	VV	732	44181	0.75%	0.051%
78	7.500	7.483	7.531	VV	1099	15946	0.27%	0.018%
79	7.560	7.531	7.621	VV	821	19894	0.34%	0.023%
80	7.640	7.621	7.748	VV	921	23124	0.39%	0.027%
81	7.773	7.748	7.831	VV	320	10944	0.19%	0.013%
82	7.849	7.831	7.933	VV	163	7076	0.12%	0.008%
83	7.986	7.933	8.081	VV	406	14754	0.25%	0.017%
84	8.099	8.081	8.130	PV	311	4511	0.08%	0.005%
85	8.152	8.130	8.173	VV	345	3559	0.06%	0.004%
86	8.243	8.173	8.335	VV	938	32482	0.55%	0.037%
87	8.347	8.335	8.368	VV	250	3647	0.06%	0.004%
88	8.432	8.368	8.455	VV	512	18799	0.32%	0.022%
89	8.515	8.455	8.558	VV	1040	32411	0.55%	0.037%

Instrument :

FID_E

ClientSampleId :

4DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025

Supervised By :mohammad ahmed 08/25/2025

90	8.579	8.558	8.595	VV	841	12933	0.22%	0.015%
91	8.622	8.595	8.665	VV	2583	54280		
92	8.680	8.665	8.728	VV	2427	49554		
93	8.743	8.728	8.760	VV	894	12173		
94	8.811	8.760	8.883	VV	43725	552443		
95	8.900	8.883	8.968	VV	1181	20581		
96	9.019	8.968	9.041	VV	347	7487	0.13%	0.009%
97	9.061	9.041	9.091	VV	3155	37218	0.63%	0.043%
98	9.110	9.091	9.131	VV	3229	37864	0.64%	0.044%
99	9.156	9.131	9.206	VV	2886	67599	1.15%	0.078%
100	9.225	9.206	9.239	VV	1412	18684	0.32%	0.021%
101	9.256	9.239	9.295	VV	1598	29721	0.50%	0.034%
102	9.386	9.295	9.465	VV	18760	281435	4.78%	0.324%
103	9.476	9.465	9.501	VV	872	12455	0.21%	0.014%
104	9.524	9.501	9.544	VV	2917	38676	0.66%	0.044%
105	9.565	9.544	9.605	VV	3568	49291	0.84%	0.057%
106	9.622	9.605	9.645	VV	1095	14676	0.25%	0.017%
107	9.681	9.645	9.698	VV	3651	53081	0.90%	0.061%
108	9.713	9.698	9.737	VV	3847	42738	0.73%	0.049%
109	9.767	9.737	9.791	VV	5444	71140	1.21%	0.082%
110	9.819	9.791	9.840	VV	3974	56142	0.95%	0.065%
111	9.862	9.840	9.881	VV	4707	53950	0.92%	0.062%
112	9.903	9.881	9.958	VV	19921	268639	4.56%	0.309%
113	9.984	9.958	10.018	VV	4695	81168	1.38%	0.093%
114	10.052	10.018	10.098	VV	3941	85988	1.46%	0.099%
115	10.115	10.098	10.151	VV	2327	41121	0.70%	0.047%
116	10.178	10.151	10.205	VV	5676	90919	1.54%	0.105%
117	10.227	10.205	10.256	VV	12286	147563	2.51%	0.170%
118	10.274	10.256	10.294	VV	1885	33723	0.57%	0.039%
119	10.329	10.294	10.371	VV	17194	256944	4.36%	0.296%
120	10.392	10.371	10.445	VV	3598	60344	1.02%	0.069%
121	10.491	10.445	10.551	VV	1464	45166	0.77%	0.052%
122	10.604	10.551	10.631	PV	529	13995	0.24%	0.016%
123	10.655	10.631	10.721	VV	2594	56951	0.97%	0.065%
124	10.791	10.721	10.815	VV	8565	205876	3.50%	0.237%
125	10.834	10.815	10.866	VV	4286	63828	1.08%	0.073%
126	10.911	10.866	10.941	VV	5500	111494	1.89%	0.128%
127	10.965	10.941	11.015	VV	66420	731766	12.43%	0.842%
128	11.117	11.015	11.153	VV	25148	564139	9.58%	0.649%
129	11.215	11.153	11.268	VV	7783	185472	3.15%	0.213%
130	11.322	11.268	11.363	VV	478111	5365735	91.14%	6.171%
131	11.395	11.363	11.498	VV	139471	1720356	29.22%	1.979%
132	11.521	11.498	11.545	VV	2242	36001	0.61%	0.041%
133	11.565	11.545	11.585	VV	8643	99282	1.69%	0.114%
134	11.606	11.585	11.655	VV	55832	627237	10.65%	0.721%
135	11.725	11.655	11.785	VV	4347	152674	2.59%	0.176%
136	11.838	11.785	11.892	VV	11621	390423	6.63%	0.449%
137	11.922	11.892	11.947	VV	8646	135491	2.30%	0.156%
138	12.012	11.947	12.051	VV	8582	261052	4.43%	0.300%
139	12.083	12.051	12.105	VV	54986	619681	10.53%	0.713%
140	12.126	12.105	12.140	VV	42545	493355	8.38%	0.567%
141	12.157	12.140	12.198	VV	59406	675390	11.47%	0.777%

Instrument :

FID_E

ClientSampleId :

4DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025

Supervised By :mohammad ahmed 08/25/2025

rteres									
142	12.240	12.198	12.288	VV	31952	914301	15.53%	1.052%	
143	12.306	12.288	12.363	VV	36517	505263			
144	12.384	12.363	12.411	VV	6477	101978			
145	12.445	12.411	12.461	VV	4957	86175			
146	12.486	12.461	12.541	VV	32512	443978			
147	12.596	12.541	12.688	VV	33340	552485			
148	12.768	12.688	12.818	VV	11817	274011	4.65%	0.315%	
149	12.871	12.818	12.901	VV	6357	178742	3.04%	0.206%	
150	12.922	12.901	12.958	VV	11302	208243	3.54%	0.239%	
151	12.985	12.958	13.012	VV	42236	528603	8.98%	0.608%	
152	13.033	13.012	13.051	VV	20755	278540	4.73%	0.320%	
153	13.068	13.051	13.118	VV	13483	393695	6.69%	0.453%	
154	13.154	13.118	13.198	VV	522709	5887594	100.00%	6.771%	
155	13.212	13.198	13.231	VV	6565	73470	1.25%	0.084%	
156	13.289	13.231	13.321	VV	68079	934886	15.88%	1.075%	
157	13.341	13.321	13.425	VV	19356	584504	9.93%	0.672%	
158	13.455	13.425	13.488	VV	419685	4601284	78.15%	5.292%	
159	13.529	13.488	13.571	VV	49799	1210536	20.56%	1.392%	
160	13.649	13.571	13.675	VV	16948	427264	7.26%	0.491%	
161	13.717	13.675	13.763	VV	23608	370387	6.29%	0.426%	
162	13.790	13.763	13.811	VV	12759	199105	3.38%	0.229%	
163	13.849	13.811	13.888	VV	12804	279084	4.74%	0.321%	
164	13.911	13.888	13.978	VV	24391	406260	6.90%	0.467%	
165	14.041	13.978	14.082	VV	35457	762650	12.95%	0.877%	
166	14.106	14.082	14.128	VV	7694	129869	2.21%	0.149%	
167	14.150	14.128	14.168	VV	14315	200074	3.40%	0.230%	
168	14.190	14.168	14.245	VV	25516	403339	6.85%	0.464%	
169	14.284	14.245	14.305	VV	10639	268557	4.56%	0.309%	
170	14.321	14.305	14.341	VV	18972	270904	4.60%	0.312%	
171	14.361	14.341	14.399	VV	21441	302896	5.14%	0.348%	
172	14.435	14.399	14.455	VV	7474	135006	2.29%	0.155%	
173	14.473	14.455	14.498	VV	5455	99970	1.70%	0.115%	
174	14.540	14.498	14.558	VV	5282	127241	2.16%	0.146%	
175	14.571	14.558	14.650	VV	4654	111153	1.89%	0.128%	
176	14.781	14.650	14.813	PV	44705	711343	12.08%	0.818%	
177	14.842	14.813	14.858	VV	3657	73306	1.25%	0.084%	
178	14.881	14.858	14.918	VV	4992	97198	1.65%	0.112%	
179	14.955	14.918	14.998	VV	25582	576555	9.79%	0.663%	
180	15.023	14.998	15.048	VV	46260	685877	11.65%	0.789%	
181	15.084	15.048	15.121	VV	49385	845241	14.36%	0.972%	
182	15.208	15.121	15.245	VV	12249	350955	5.96%	0.404%	
183	15.292	15.245	15.311	VV	38507	493144	8.38%	0.567%	
184	15.338	15.311	15.360	VV	201898	2465753	41.88%	2.836%	
185	15.380	15.360	15.451	VV	180581	2183155	37.08%	2.511%	
186	15.497	15.451	15.545	VV	49738	853597	14.50%	0.982%	
187	15.575	15.545	15.608	VV	15763	250855	4.26%	0.288%	
188	15.638	15.608	15.662	PV	19429	284502	4.83%	0.327%	
189	15.686	15.662	15.734	VV	16546	337358	5.73%	0.388%	
190	15.781	15.734	15.805	VV	12035	227793	3.87%	0.262%	
191	15.821	15.805	15.845	VV	6960	102644	1.74%	0.118%	
192	15.878	15.845	15.899	VV	3754	80062	1.36%	0.092%	
193	15.922	15.899	15.948	VV	3752	69479	1.18%	0.080%	
194	15.973	15.948	15.986	VV	9674	150318	2.55%	0.173%	

Instrument :

FID_E

ClientSampleId :

4DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025

Supervised By :mohammad ahmed 08/25/2025

rterres								
195	16.011	15.986	16.034	VV	32610	457613	7.77%	0.526%
196	16.050	16.034	16.107	VV	14280	263323		
197	16.165	16.107	16.208	VV	15890	510007		
198	16.250	16.208	16.303	VV	8179	176237		
199	16.334	16.303	16.351	VV	7525	108401		
200	16.372	16.351	16.393	VV	8520	139923		
201	16.440	16.393	16.511	VV	12811	330987	5.62%	0.381%
202	16.569	16.511	16.588	VV	2161	45909	0.78%	0.053%
203	16.634	16.588	16.666	PV	12861	222766	3.78%	0.256%
204	16.688	16.666	16.727	VV	11171	178372	3.03%	0.205%
205	16.749	16.727	16.778	VV	5457	122578	2.08%	0.141%
206	16.835	16.778	16.861	VV	17781	417958	7.10%	0.481%
207	16.907	16.861	16.991	VV	187162	3831158	65.07%	4.406%
208	17.035	16.991	17.111	VV	46730	853022	14.49%	0.981%
209	17.229	17.111	17.257	VV	124372	2212163	37.57%	2.544%
210	17.288	17.257	17.328	VV	170002	2261538	38.41%	2.601%
211	17.387	17.328	17.415	VV	51628	937616	15.93%	1.078%
212	17.436	17.415	17.468	VV	11745	223067	3.79%	0.257%
213	17.527	17.468	17.568	VV	11277	424693	7.21%	0.488%
214	17.587	17.568	17.608	VV	6445	103121	1.75%	0.119%
215	17.653	17.608	17.721	VV	14224	491070	8.34%	0.565%
216	17.810	17.721	17.848	VV	42072	902797	15.33%	1.038%
217	17.873	17.848	17.920	VV	10015	288066	4.89%	0.331%
218	17.946	17.920	18.023	VV	11832	378002	6.42%	0.435%
219	18.072	18.023	18.111	VV	6305	230450	3.91%	0.265%
220	18.138	18.111	18.167	VV	3352	95037	1.61%	0.109%
221	18.249	18.167	18.297	VV	70619	1416667	24.06%	1.629%
222	18.344	18.297	18.362	VV	11683	365195	6.20%	0.420%
223	18.385	18.362	18.403	VV	15807	282155	4.79%	0.324%
224	18.428	18.403	18.489	VV	19650	708035	12.03%	0.814%
225	18.514	18.489	18.537	VV	18143	369466	6.28%	0.425%
226	18.569	18.537	18.626	VV	40095	987407	16.77%	1.136%
227	18.667	18.626	18.726	VV	196745	3753845	63.76%	4.317%
228	18.741	18.726	18.768	VV	22272	429341	7.29%	0.494%
229	18.793	18.768	18.808	VV	39192	632991	10.75%	0.728%
230	18.826	18.808	18.888	VV	40911	1128001	19.16%	1.297%
231	18.920	18.888	18.961	VV	117896	1939246	32.94%	2.230%
232	19.001	18.961	19.028	VV	23566	749978	12.74%	0.863%
233	19.083	19.028	19.121	VV	152542	2995977	50.89%	3.446%
234	19.145	19.121	19.198	VV	15858	635899	10.80%	0.731%
235	19.226	19.198	19.271	VV	16892	653141	11.09%	0.751%
236	19.343	19.271	19.366	VV	26473	1047058	17.78%	1.204%
237	19.386	19.366	19.411	VV	21112	496438	8.43%	0.571%
238	19.482	19.411	19.539	VV	153049	3240902	55.05%	3.727%
Sum of corrected areas:							86951822	

Instrument :

FID_E

ClientSampleId :

4DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025

Supervised By :mohammad ahmed 08/25/2025

Aliphatic EPH 080125.M Fri Aug 22 04:34:49 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	08/12/25
Project:	507 Franklin Ave	Date Received:	08/13/25
Client Sample ID:	5	SDG No.:	Q2868
Lab Sample ID:	Q2868-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/20/25 08:15	08/21/25 12:12	PB169321

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	523		10	9.44	41.5	mg/kg	FE055424.D
Total EPH	Total EPH	523			9.44	41.5	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/12/25
Project:	507 Franklin Ave	Date Received:	08/13/25
Client Sample ID:	5	SDG No.:	Q2868
Lab Sample ID:	Q2868-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055412.D	1	08/20/25	08/20/25	PB169321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	535	E	0.94	4.15	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	246	E	1.22	2.08	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	64.3		40 - 140	129%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.7		40 - 140	101%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2868-07	Acq On:	20 Aug 2025 15:34
Client Sample ID:	5	Operator:	YP\AJ
Data file:	FE055412.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.956	3010685	25.78	300	ug/ml
Aliphatic C12-C16	6.957	10.409	43430456	346.814	200	ug/ml
Aliphatic C16-C21	10.410	13.790	469546888	3710	300	ug/ml
Aliphatic C21-C28	13.791	17.463	440557154	3660	400	ug/ml
Aliphatic C28-C40	17.464	22.490	406341500	3560	600	ug/ml
Aliphatic EPH	3.321	22.490	1362886683	11400		ug/ml
ortho-Terphenyl (SURR)	12.097	12.097	7245253	50.74		ug/ml
1-chlorooctadecane (SURR)	13.530	13.530	6915521	64.32		ug/ml
Aliphatic C9-C28	3.321	17.463	956545183	7740	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
 Data File : FE055412.D
 Signal(s) : FID1B.ch
 Acq On : 20 Aug 2025 15:34
 Operator : YP\AJ
 Sample : Q2868-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2025
 Supervised By :mohammad ahmed 08/22/2025

Integration File: autoint1.e
 Quant Time: Aug 21 01:19:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.097	7245253	50.736 ug/ml
Spiked Amount	50.000	Recovery	= 101.47%
12) S 1-chlorooctadecane (S...	13.530	6915521	64.316 ug/mlm
Spiked Amount	50.000	Recovery	= 128.63%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
Data File : FE055412.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 15:34
Operator : YP\AJ
Sample : Q2868-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

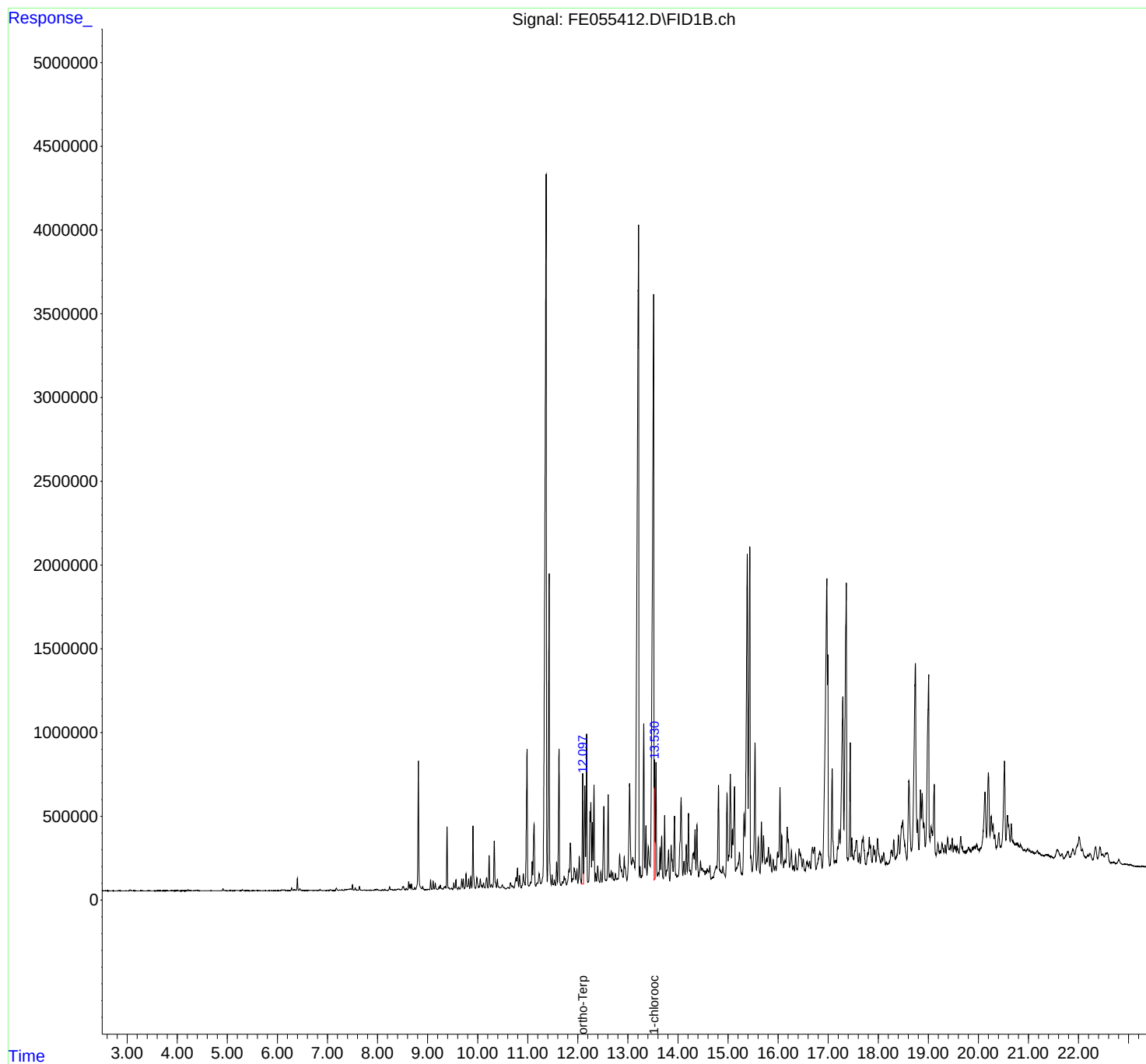
Instrument :
FID_E
ClientSampleId :
5

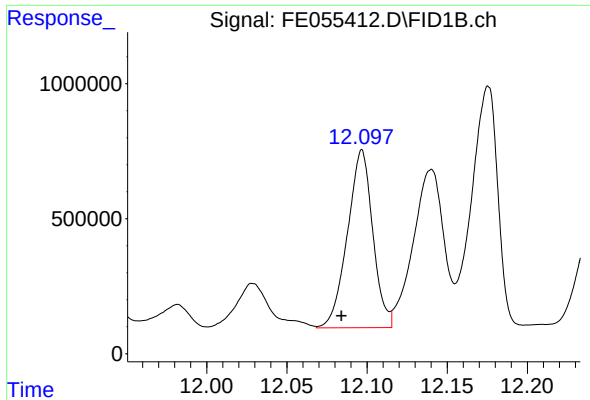
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

Integration File: autoint1.e
Quant Time: Aug 21 01:19:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





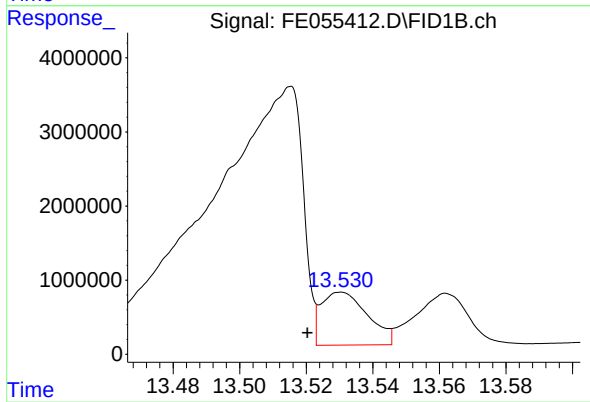
#9 ortho-Terphenyl (SURR)

R.T.: 12.097 min
Delta R.T.: 0.013 min
Response: 7245253
Conc: 50.74 ug/ml

Instrument :
FID_E
ClientSampleId :
5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/21/2025
Supervised By :mohammad ahmed 08/22/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.530 min
Delta R.T.: 0.010 min
Response: 6915521
Conc: 64.32 ug/ml m

rteres

Instrument :

FID_E

ClientSampleId :

5

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE08202
Data File : FE055412.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 15:34
Sample : Q2868-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.834	2.805	2.897	PV	1612	30753	0.03%	0.002%
2	2.915	2.897	2.935	PV	138	1777	0.00%	0.000%
3	3.056	2.935	3.097	PV	5782	97524	0.11%	0.007%
4	3.111	3.097	3.141	VV	774	11720	0.01%	0.001%
5	3.150	3.141	3.181	VV	330	5350	0.01%	0.000%
6	3.187	3.181	3.225	VV	182	2784	0.00%	0.000%
7	3.275	3.225	3.305	VV	291	7264	0.01%	0.001%
8	3.315	3.305	3.330	VV	175	2094	0.00%	0.000%
9	3.343	3.330	3.371	VV	181	2483	0.00%	0.000%
10	3.418	3.371	3.501	VV	371	10544	0.01%	0.001%
11	3.535	3.501	3.578	PV	486	8072	0.01%	0.001%
12	3.593	3.578	3.641	VV	362	8071	0.01%	0.001%
13	3.661	3.641	3.688	VV	301	3603	0.00%	0.000%
14	3.708	3.688	3.722	VV	187	2239	0.00%	0.000%
15	3.772	3.722	3.793	VV	455	9329	0.01%	0.001%
16	3.801	3.793	3.838	VV	61	1333	0.00%	0.000%
17	3.875	3.838	3.965	VV	2465	51098	0.06%	0.004%
18	4.003	3.965	4.049	VV	3378	47635	0.05%	0.003%
19	4.057	4.049	4.079	VV	236	3486	0.00%	0.000%
20	4.111	4.079	4.164	VV	429	8969	0.01%	0.001%
21	4.176	4.164	4.190	VV	198	2406	0.00%	0.000%
22	4.212	4.190	4.250	VV	6881	79841	0.09%	0.006%
23	4.266	4.250	4.302	VV	2127	30529	0.03%	0.002%
24	4.332	4.302	4.351	VV	1898	24978	0.03%	0.002%
25	4.379	4.351	4.408	VV	4510	71224	0.08%	0.005%
26	4.422	4.408	4.471	VV	2354	41271	0.05%	0.003%
27	4.485	4.471	4.498	VV	343	4781	0.01%	0.000%
28	4.538	4.498	4.597	VV	357	14493	0.02%	0.001%
29	4.640	4.597	4.649	VV	274	7013	0.01%	0.001%
30	4.676	4.649	4.695	VV	693	10907	0.01%	0.001%
31	4.721	4.695	4.741	VV	409	8361	0.01%	0.001%
32	4.751	4.741	4.768	VV	418	5128	0.01%	0.000%
33	4.781	4.768	4.824	VV	444	9357	0.01%	0.001%
34	4.843	4.824	4.878	VV	553	8442	0.01%	0.001%
35	4.912	4.878	4.954	VV	12340	156351	0.17%	0.011%
36	4.963	4.954	4.978	VV	965	11879	0.01%	0.001%

					retention			
37	4.987	4.978	5.010	VV	742	11232	0.01%	0.001%
38	5.056	5.010	5.112	VV	2981	58361	0.01%	0.001%
39	5.132	5.112	5.147	VV	683	11845	0.01%	0.001%
40	5.172	5.147	5.270	VV	2659	104854	0.01%	0.001%
41	5.300	5.270	5.370	VV	6025	111818	0.01%	0.001%
42	5.383	5.370	5.410	VV	805	14428	0.01%	0.001%
43	5.439	5.410	5.459	VV	644	14080	0.02%	0.001%
44	5.471	5.459	5.482	VV	378	4297	0.00%	0.000%
45	5.498	5.482	5.514	VV	620	7882	0.01%	0.001%
46	5.528	5.514	5.546	VV	548	7169	0.01%	0.001%
47	5.567	5.546	5.578	VV	1820	20869	0.02%	0.002%
48	5.591	5.578	5.610	VV	1903	25348	0.03%	0.002%
49	5.625	5.610	5.688	VV	1477	26079	0.03%	0.002%
50	5.694	5.688	5.710	VV	368	2694	0.00%	0.000%
51	5.728	5.710	5.742	VV	728	7913	0.01%	0.001%
52	5.758	5.742	5.801	VV	1175	14959	0.02%	0.001%
53	5.820	5.801	5.841	PV	679	9328	0.01%	0.001%
54	5.873	5.841	5.911	VV	1720	29978	0.03%	0.002%
55	5.930	5.911	5.958	VV	785	9747	0.01%	0.001%
56	5.988	5.958	5.998	VV	244	3731	0.00%	0.000%
57	6.017	5.998	6.038	VV	429	5663	0.01%	0.000%
58	6.095	6.038	6.116	PV	6500	108772	0.12%	0.008%
59	6.135	6.116	6.202	VV	5902	121626	0.13%	0.009%
60	6.213	6.202	6.223	VV	1083	11469	0.01%	0.001%
61	6.238	6.223	6.249	VV	1217	16282	0.02%	0.001%
62	6.254	6.249	6.262	VV	1072	7341	0.01%	0.001%
63	6.285	6.262	6.314	VV	17852	207137	0.23%	0.015%
64	6.333	6.314	6.347	VV	7659	96035	0.11%	0.007%
65	6.357	6.347	6.375	VV	5472	68757	0.08%	0.005%
66	6.399	6.375	6.429	VV	73170	738592	0.82%	0.054%
67	6.450	6.429	6.489	VV	11110	165853	0.18%	0.012%
68	6.511	6.489	6.537	VV	3039	47072	0.05%	0.003%
69	6.554	6.537	6.575	VV	792	13847	0.02%	0.001%
70	6.592	6.575	6.604	VV	604	9546	0.01%	0.001%
71	6.622	6.604	6.655	VV	1750	32478	0.04%	0.002%
72	6.670	6.655	6.682	VV	2222	27144	0.03%	0.002%
73	6.689	6.682	6.728	VV	1833	27827	0.03%	0.002%
74	6.751	6.728	6.785	VV	2487	43727	0.05%	0.003%
75	6.801	6.785	6.831	VV	1423	23547	0.03%	0.002%
76	6.851	6.831	6.905	VV	6267	85505	0.09%	0.006%
77	6.927	6.905	6.951	VV	730	12030	0.01%	0.001%
78	6.966	6.951	6.978	VV	693	6479	0.01%	0.000%
79	7.014	6.978	7.034	VV	1015	15432	0.02%	0.001%
80	7.056	7.034	7.125	PV	6774	93684	0.10%	0.007%
81	7.177	7.125	7.220	PV	14007	245401	0.27%	0.018%
82	7.242	7.220	7.265	VV	4064	68123	0.08%	0.005%
83	7.290	7.265	7.325	VV	4452	80117	0.09%	0.006%
84	7.349	7.325	7.359	VV	5712	76324	0.08%	0.006%
85	7.407	7.359	7.426	VV	6687	244936	0.27%	0.018%
86	7.452	7.426	7.482	VV	9667	278307	0.31%	0.020%
87	7.499	7.482	7.525	VV	34749	375699	0.42%	0.027%
88	7.555	7.525	7.587	VV	16251	232452	0.26%	0.017%
89	7.601	7.587	7.617	VV	2702	36841	0.04%	0.003%

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0.01% 0.001%

Manual IntegrationsAPPROVED

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90	7.639	7.617	7.695	VV	24234	296377	0.33%	0.022%
91	7.712	7.695	7.725	VV	2208	27118		
92	7.737	7.725	7.749	VV	2135	22601		
93	7.762	7.749	7.787	VV	1931	30343		
94	7.804	7.787	7.818	VV	1447	18531		
95	7.838	7.818	7.851	VV	1510	19638		
96	7.860	7.851	7.874	VV	1385	15317	0.02%	0.001%
97	7.889	7.874	7.905	VV	1999	22953	0.03%	0.002%
98	7.913	7.905	7.925	VV	987	10570	0.01%	0.001%
99	7.942	7.925	7.956	VV	5308	60401	0.07%	0.004%
100	7.987	7.956	8.048	VV	7696	157515	0.17%	0.011%
101	8.062	8.048	8.077	VV	1158	11637	0.01%	0.001%
102	8.098	8.077	8.127	VV	4259	51690	0.06%	0.004%
103	8.145	8.127	8.173	VV	5392	54979	0.06%	0.004%
104	8.192	8.173	8.208	PV	1068	11289	0.01%	0.001%
105	8.242	8.208	8.276	VV	20910	301149	0.33%	0.022%
106	8.284	8.276	8.312	VV	5344	69938	0.08%	0.005%
107	8.345	8.312	8.363	VV	3228	51916	0.06%	0.004%
108	8.403	8.363	8.417	VV	7460	138393	0.15%	0.010%
109	8.428	8.417	8.456	VV	6531	106498	0.12%	0.008%
110	8.517	8.456	8.553	VV	21704	521580	0.58%	0.038%
111	8.574	8.553	8.596	VV	10679	126206	0.14%	0.009%
112	8.622	8.596	8.637	VV	50038	530807	0.59%	0.039%
113	8.650	8.637	8.664	VV	33701	344327	0.38%	0.025%
114	8.678	8.664	8.721	VV	35345	473854	0.52%	0.035%
115	8.742	8.721	8.760	VV	15676	186565	0.21%	0.014%
116	8.815	8.760	8.883	VV	767555	9039662	9.99%	0.660%
117	8.901	8.883	8.964	VV	20817	294260	0.33%	0.021%
118	8.989	8.964	8.998	VV	2162	26673	0.03%	0.002%
119	9.013	8.998	9.038	VV	3788	48682	0.05%	0.004%
120	9.060	9.038	9.087	PV	56623	584298	0.65%	0.043%
121	9.110	9.087	9.130	VV	51735	536990	0.59%	0.039%
122	9.153	9.130	9.203	VV	38835	500410	0.55%	0.037%
123	9.226	9.203	9.238	VV	17949	194868	0.22%	0.014%
124	9.254	9.238	9.293	VV	28104	386660	0.43%	0.028%
125	9.329	9.293	9.337	VV	14727	214108	0.24%	0.016%
126	9.351	9.337	9.364	VV	19684	244121	0.27%	0.018%
127	9.388	9.364	9.413	VV	375123	3788072	4.19%	0.276%
128	9.423	9.413	9.452	VV	11099	157351	0.17%	0.011%
129	9.477	9.452	9.498	VV	9599	133810	0.15%	0.010%
130	9.524	9.498	9.545	VV	39228	462860	0.51%	0.034%
131	9.565	9.545	9.604	VV	57120	683619	0.76%	0.050%
132	9.623	9.604	9.646	VV	15110	169489	0.19%	0.012%
133	9.682	9.646	9.699	VV	61160	791389	0.87%	0.058%
134	9.714	9.699	9.735	VV	61373	636817	0.70%	0.046%
135	9.768	9.735	9.790	VV	92488	1143657	1.26%	0.083%
136	9.821	9.790	9.842	VV	62923	912199	1.01%	0.067%
137	9.863	9.842	9.882	VV	73853	834356	0.92%	0.061%
138	9.906	9.882	9.958	VV	371946	4581776	5.07%	0.334%
139	9.985	9.958	10.017	VV	68624	1138488	1.26%	0.083%
140	10.053	10.017	10.073	VV	60612	962098	1.06%	0.070%
141	10.081	10.073	10.096	VV	23554	255564	0.28%	0.019%

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142	10.117	10.096	10.148	VV	36976	566638	0.63%	0.041%	
143	10.179	10.148	10.205	VV	68821	1171444			
144	10.229	10.205	10.255	VV	199050	2238827			
145	10.275	10.255	10.297	VV	27469	466980			
146	10.332	10.297	10.375	VV	287509	3982676			
147	10.394	10.375	10.446	VV	56810	865627			
148	10.491	10.446	10.519	VV	23874	534745	0.59%	0.039%	
149	10.530	10.519	10.555	VV	8665	105888	0.12%	0.008%	
150	10.604	10.555	10.632	PV	7957	160210	0.18%	0.012%	
151	10.654	10.632	10.685	VV	34315	571225	0.63%	0.042%	
152	10.698	10.685	10.724	VV	15848	236307	0.26%	0.017%	
153	10.765	10.724	10.777	VV	63235	1089962	1.21%	0.080%	
154	10.795	10.777	10.818	VV	119573	1677123	1.85%	0.122%	
155	10.837	10.818	10.871	VV	75941	1033149	1.14%	0.075%	
156	10.913	10.871	10.946	VV	85630	1560991	1.73%	0.114%	
157	10.985	10.946	11.025	VV	815927	11586424	12.81%	0.845%	
158	11.056	11.025	11.064	VV	31429	494266	0.55%	0.036%	
159	11.088	11.064	11.100	VV	153645	1869001	2.07%	0.136%	
160	11.126	11.100	11.160	VV	375705	6157560	6.81%	0.449%	
161	11.228	11.160	11.260	VV	80965	2201181	2.43%	0.161%	
162	11.366	11.260	11.390	VV	4153607	85747789	94.80%	6.257%	
163	11.426	11.390	11.469	VV	1930920	24399423	26.98%	1.780%	
164	11.487	11.469	11.510	VV	70271	824532	0.91%	0.060%	
165	11.533	11.510	11.553	VV	39204	535861	0.59%	0.039%	
166	11.577	11.553	11.594	VV	145810	1703011	1.88%	0.124%	
167	11.624	11.594	11.664	VV	826511	10088186	11.15%	0.736%	
168	11.694	11.664	11.707	VV	25114	420285	0.46%	0.031%	
169	11.728	11.707	11.775	VV	57400	1385721	1.53%	0.101%	
170	11.851	11.775	11.880	VV	254536	6017310	6.65%	0.439%	
171	11.895	11.880	11.905	VV	43754	564620	0.62%	0.041%	
172	11.928	11.905	11.959	VV	103389	2249206	2.49%	0.164%	
173	11.981	11.959	12.001	VV	95894	1398348	1.55%	0.102%	
174	12.029	12.001	12.068	VV	174131	2790783	3.09%	0.204%	
175	12.097	12.068	12.115	VV	667963	7471857	8.26%	0.545%	
176	12.140	12.115	12.155	VV	600584	7989873	8.83%	0.583%	
177	12.175	12.155	12.201	VV	900631	10403716	11.50%	0.759%	
178	12.259	12.201	12.274	VV	486888	10116922	11.19%	0.738%	
179	12.289	12.274	12.304	VV	371200	4385228	4.85%	0.320%	
180	12.322	12.304	12.343	VV	579417	6970347	7.71%	0.509%	
181	12.358	12.343	12.375	VV	68441	877205	0.97%	0.064%	
182	12.397	12.375	12.437	VV	110272	1970896	2.18%	0.144%	
183	12.461	12.437	12.483	VV	74109	1124325	1.24%	0.082%	
184	12.519	12.483	12.572	VV	464075	7484716	8.28%	0.546%	
185	12.606	12.572	12.628	VV	526878	6582181	7.28%	0.480%	
186	12.638	12.628	12.649	VV	54435	627943	0.69%	0.046%	
187	12.666	12.649	12.683	VV	79354	1164939	1.29%	0.085%	
188	12.698	12.683	12.727	VV	67036	1074054	1.19%	0.078%	
189	12.751	12.727	12.773	VV	59644	1004583	1.11%	0.073%	
190	12.788	12.773	12.801	VV	30604	482548	0.53%	0.035%	
191	12.836	12.801	12.905	VV	172962	5079115	5.62%	0.371%	
192	12.927	12.905	12.981	VV	156187	3447035	3.81%	0.252%	
193	13.035	12.981	13.071	VV	587593	12624507	13.96%	0.921%	
194	13.097	13.071	13.137	VV	152908	5107469	5.65%	0.373%	

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195	13.211	13.137	13.230	VV	3849896	90447464	100.00%	6.600%
196	13.243	13.230	13.261	VV	97203	1221088		
197	13.317	13.261	13.340	VV	957734	13382380	14.21%	0.345%
198	13.361	13.340	13.382	VV	339940	4535493	5.23%	0.345%
199	13.409	13.382	13.448	VV	213809	5145368	5.23%	0.345%
200	13.513	13.448	13.546	VV	3564166	78522763	86.21%	0.608%
201	13.562	13.546	13.589	VV	711636	8327840	9.21%	0.608%
202	13.610	13.589	13.620	VV	55644	884800	0.98%	0.065%
203	13.642	13.620	13.656	VV	202201	2633376	2.91%	0.192%
204	13.675	13.656	13.707	VV	270995	3794107	4.19%	0.277%
205	13.735	13.707	13.759	VV	393123	4731500	5.23%	0.345%
206	13.812	13.759	13.836	VV	186605	3846228	4.25%	0.281%
207	13.865	13.836	13.904	VV	213795	4447957	4.92%	0.325%
208	13.931	13.904	13.977	VV	388868	6241919	6.90%	0.455%
209	14.063	13.977	14.098	VV	493150	12129436	13.41%	0.885%
210	14.120	14.098	14.142	VV	116422	1956992	2.16%	0.143%
211	14.166	14.142	14.186	VV	210828	3168539	3.50%	0.231%
212	14.210	14.186	14.260	VV	400070	6121327	6.77%	0.447%
213	14.311	14.260	14.323	VV	159542	4225221	4.67%	0.308%
214	14.340	14.323	14.359	VV	302202	3986975	4.41%	0.291%
215	14.379	14.359	14.414	VV	330869	4726309	5.23%	0.345%
216	14.451	14.414	14.468	VV	111985	2056435	2.27%	0.150%
217	14.479	14.468	14.509	VV	69741	1502851	1.66%	0.110%
218	14.521	14.509	14.541	VV	53590	893497	0.99%	0.065%
219	14.557	14.541	14.568	VV	51807	720105	0.80%	0.053%
220	14.585	14.568	14.618	VV	65033	1535244	1.70%	0.112%
221	14.636	14.618	14.660	VV	82165	1171104	1.29%	0.085%
222	14.696	14.660	14.707	PV	14532	237606	0.26%	0.017%
223	14.764	14.707	14.778	VV	77683	2171518	2.40%	0.158%
224	14.809	14.778	14.876	VV	557164	9823159	10.86%	0.717%
225	14.898	14.876	14.947	VV	73578	1705505	1.89%	0.124%
226	14.980	14.947	15.001	VV	503662	7414024	8.20%	0.541%
227	15.045	15.001	15.070	VV	620693	12145275	13.43%	0.886%
228	15.087	15.070	15.098	VV	296047	3872011	4.28%	0.283%
229	15.128	15.098	15.151	VV	542752	9545483	10.55%	0.696%
230	15.228	15.151	15.284	VV	151570	5693182	6.29%	0.415%
231	15.320	15.284	15.336	VV	374451	6350286	7.02%	0.463%
232	15.383	15.336	15.402	VV	1940286	38866490	42.97%	2.836%
233	15.434	15.402	15.480	VV	1977048	32514021	35.95%	2.372%
234	15.539	15.480	15.567	VV	800174	13575843	15.01%	0.991%
235	15.604	15.567	15.637	VV	235623	4573026	5.06%	0.334%
236	15.667	15.637	15.686	VV	329635	4641911	5.13%	0.339%
237	15.709	15.686	15.741	VV	245649	4766395	5.27%	0.348%
238	15.769	15.741	15.781	VV	109085	2200534	2.43%	0.161%
239	15.808	15.781	15.831	VV	174211	3677627	4.07%	0.268%
240	15.848	15.831	15.876	VV	126475	2069641	2.29%	0.151%
241	15.902	15.876	15.924	VV	100289	1787624	1.98%	0.130%
242	15.943	15.924	15.960	VV	61168	1046309	1.16%	0.076%
243	15.989	15.960	16.001	VV	141072	2370490	2.62%	0.173%
244	16.038	16.001	16.057	VV	525281	8317907	9.20%	0.607%
245	16.074	16.057	16.110	VV	241677	4197368	4.64%	0.306%
246	16.140	16.110	16.153	VV	92500	2029802	2.24%	0.148%

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				rteres				
247	16.182	16.153	16.228	VV	288456	7895314	8.73%	0.576%
248	16.266	16.228	16.292	VV	151495	3283588		
249	16.309	16.292	16.327	VV	56600	915902		
250	16.350	16.327	16.382	VV	122916	2144857		
251	16.421	16.382	16.482	VV	155471	5701105		
252	16.501	16.482	16.542	VV	94709	2053869		
253	16.576	16.542	16.608	VV	76946	2190181	2.42%	0.160%
254	16.628	16.608	16.649	VV	77281	1450430	1.60%	0.106%
255	16.686	16.649	16.705	VV	158860	3852135	4.26%	0.281%
256	16.725	16.705	16.758	VV	161182	3547948	3.92%	0.259%
257	16.831	16.758	16.881	VV	131878	6142778	6.79%	0.448%
258	16.973	16.881	17.031	VV	1741615	61280915	67.75%	4.471%
259	17.080	17.031	17.121	VV	629926	12316294	13.62%	0.899%
260	17.132	17.121	17.140	VV	73226	777979	0.86%	0.057%
261	17.151	17.140	17.164	VV	73681	1003615	1.11%	0.073%
262	17.189	17.164	17.197	VV	158937	2336449	2.58%	0.170%
263	17.220	17.197	17.238	VV	249842	5048635	5.58%	0.368%
264	17.291	17.238	17.315	VV	1034251	27243871	30.12%	1.988%
265	17.360	17.315	17.395	VV	1723403	35670179	39.44%	2.603%
266	17.440	17.395	17.458	VV	779771	11377934	12.58%	0.830%
267	17.473	17.458	17.511	VV	202544	4014843	4.44%	0.293%
268	17.562	17.511	17.601	VV	185389	7050684	7.80%	0.514%
269	17.622	17.601	17.641	VV	111570	1934497	2.14%	0.141%
270	17.699	17.641	17.756	VV	205420	8393037	9.28%	0.612%
271	17.821	17.756	17.878	VV	203589	8128210	8.99%	0.593%
272	17.905	17.878	17.922	VV	153050	2937419	3.25%	0.214%
273	17.933	17.922	17.954	VV	126079	1808156	2.00%	0.132%
274	17.985	17.954	18.053	VV	195353	6278348	6.94%	0.458%
275	18.072	18.053	18.087	VV	88481	1418970	1.57%	0.104%
276	18.109	18.087	18.144	VV	104452	2518083	2.78%	0.184%
277	18.162	18.144	18.191	VV	48685	1219270	1.35%	0.089%
278	18.263	18.191	18.288	VV	117499	4324205	4.78%	0.316%
279	18.310	18.288	18.341	VV	181808	3764680	4.16%	0.275%
280	18.403	18.341	18.427	VV	205249	6138188	6.79%	0.448%
281	18.489	18.427	18.570	VV	290576	15489334	17.13%	1.130%
282	18.613	18.570	18.664	VV	526608	14541261	16.08%	1.061%
283	18.740	18.664	18.774	VV	1233039	36360513	40.20%	2.653%
284	18.787	18.774	18.812	VV	294151	4725828	5.22%	0.345%
285	18.844	18.812	18.860	VV	466675	8657706	9.57%	0.632%
286	18.877	18.860	18.904	VV	449895	9295918	10.28%	0.678%
287	18.913	18.904	18.939	VV	268538	4567303	5.05%	0.333%
288	19.004	18.939	19.033	VV	1129722	29155328	32.23%	2.127%
289	19.055	19.033	19.086	VV	249016	6897505	7.63%	0.503%
290	19.118	19.086	19.158	VV	500572	10926957	12.08%	0.797%
291	19.192	19.158	19.230	VV	147742	4746845	5.25%	0.346%
292	19.237	19.230	19.247	VV	96863	992752	1.10%	0.072%
293	19.272	19.247	19.315	VV	140226	4626050	5.11%	0.338%
294	19.336	19.315	19.354	VV	133706	2596864	2.87%	0.189%
295	19.387	19.354	19.423	VV	177268	5418741	5.99%	0.395%
296	19.441	19.423	19.456	VV	134755	2363017	2.61%	0.172%
297	19.478	19.456	19.498	VV	171116	3372915	3.73%	0.246%
298	19.516	19.498	19.532	VV	126556	2311817	2.56%	0.169%
299	19.542	19.532	19.559	VV	120499	1778962	1.97%	0.130%

Instrument :

FID_E

ClientSampleId :

5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

					rters			
300	19.575	19.559	19.612	VV	120465	3295040	3.64%	0.240%
301	19.647	19.612	19.738	VV	183075	8494466		
302	19.802	19.738	19.854	VV	114113	6710702		
303	19.913	19.854	19.929	VV	114612	4769691		
304	19.967	19.929	20.021	VV	132464	6011555		
305	20.044	20.021	20.055	VV	105042	2022906		
306	20.132	20.055	20.163	VV	436282	15809552	17.48%	1.154%
307	20.200	20.163	20.233	VV	552319	14836878	16.40%	1.083%
308	20.258	20.233	20.278	VV	292563	6562396	7.26%	0.479%
309	20.294	20.278	20.314	VV	249359	4635075	5.12%	0.338%
310	20.327	20.314	20.355	VV	179624	3581484	3.96%	0.261%
311	20.408	20.355	20.440	VV	192771	6901006	7.63%	0.504%
312	20.522	20.440	20.550	VV	618347	18170746	20.09%	1.326%
313	20.581	20.550	20.634	VV	291374	10896828	12.05%	0.795%
314	20.658	20.634	20.732	VV	241890	9120036	10.08%	0.665%
315	20.753	20.732	20.763	VV	121860	2200258	2.43%	0.161%
316	20.784	20.763	20.823	VV	123908	4081786	4.51%	0.298%
317	20.843	20.823	20.909	VV	111928	4905872	5.42%	0.358%
318	20.930	20.909	20.950	VV	83736	1943206	2.15%	0.142%
319	20.985	20.950	21.016	VV	87857	3170077	3.50%	0.231%
320	21.027	21.016	21.058	VV	76496	1744049	1.93%	0.127%
321	21.075	21.058	21.125	VV	69173	2544247	2.81%	0.186%
322	21.132	21.125	21.137	VV	60368	453583	0.50%	0.033%
323	21.180	21.137	21.212	VV	74463	2857820	3.16%	0.209%
324	21.226	21.212	21.267	VV	58088	1696997	1.88%	0.124%
325	21.278	21.267	21.318	VV	46473	1292672	1.43%	0.094%
326	21.345	21.318	21.501	VV	46090	4203843	4.65%	0.307%
327	21.581	21.501	21.648	VV	72298	4238435	4.69%	0.309%
328	21.671	21.648	21.708	VV	48045	1253901	1.39%	0.091%
329	21.784	21.708	21.835	VV	59041	2826210	3.12%	0.206%
330	21.885	21.835	21.924	VV	73519	2747022	3.04%	0.200%
331	22.014	21.924	22.058	VV	139831	7349181	8.13%	0.536%
332	22.080	22.058	22.143	VV	66137	2109691	2.33%	0.154%
333	22.184	22.143	22.202	VV	31958	871877	0.96%	0.064%
334	22.232	22.202	22.283	VV	41344	1211372	1.34%	0.088%
335	22.341	22.283	22.382	PV	74604	2066834	2.29%	0.151%

Sum of corrected areas: 1370517807

Aliphatic EPH 080125.M Thu Aug 21 02:25:37 2025

Instrument :
FID_E
ClientSampleId :
5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	08/12/25
Project:	507 Franklin Ave	Date Received:	08/13/25
Client Sample ID:	5DL	SDG No.:	Q2868
Lab Sample ID:	Q2868-07DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055424.D	10	08/20/25	08/21/25	PB169321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	523		9.44	41.5	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	274		12.2	20.8	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	7.59		40 - 140	152%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	4.98		40 - 140	100%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2868-07DL	Acq On:	21 Aug 2025 12:12
Client Sample ID:	SDL	Operator:	YP\AJ
Data file:	FE055424.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.954	427671	3.662	300	ug/ml
Aliphatic C12-C16	6.955	10.407	3086492	24.647	200	ug/ml
Aliphatic C16-C21	10.408	13.787	48119285	380.676	300	ug/ml
Aliphatic C21-C28	13.788	17.460	42391588	351.781	400	ug/ml
Aliphatic C28-C40	17.461	22.485	45184176	396.397	600	ug/ml
Aliphatic EPH	3.319	22.485	139209212	1160		ug/ml
ortho-Terphenyl (SURR)	12.084	12.084	711798	4.98		ug/ml
1-chlorooctadecane (SURR)	13.535	13.535	816333	7.59		ug/ml
Aliphatic C9-C28	3.319	17.460	94025036	760.766	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
 Data File : FE055424.D
 Signal(s) : FID1B.ch
 Acq On : 21 Aug 2025 12:12
 Operator : YP\AJ
 Sample : Q2868-07DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2025
 Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
 Quant Time: Aug 22 01:17:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.084	711798	4.984 ug/mlm
Spiked Amount 50.000		Recovery =	9.97%
12) S 1-chlorooctadecane (S...	13.535	816333	7.592 ug/mlm
Spiked Amount 50.000		Recovery =	15.18%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
Data File : FE055424.D
Signal(s) : FID1B.ch
Acq On : 21 Aug 2025 12:12
Operator : YP\AJ
Sample : Q2868-07DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

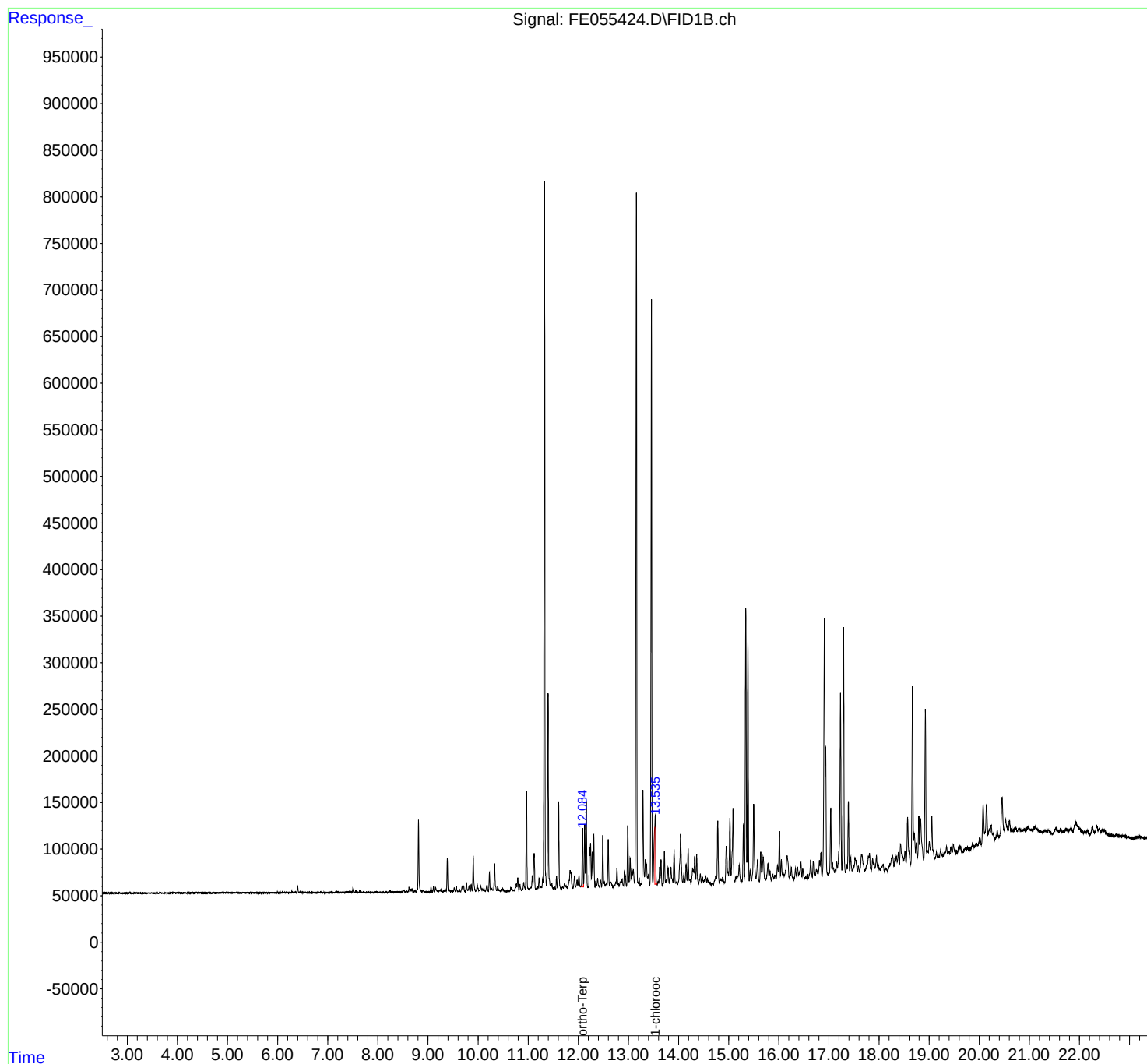
Instrument :
FID_E
ClientSampleId :
5DL

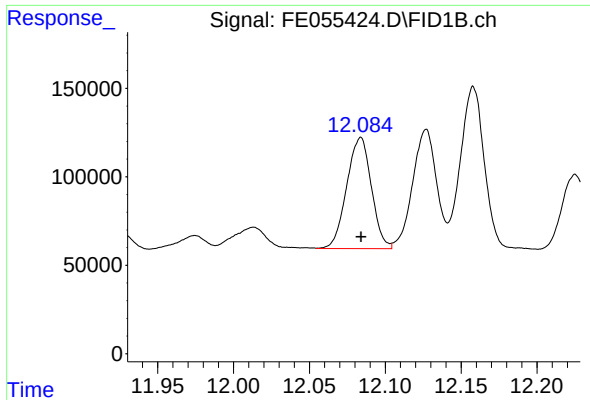
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
Quant Time: Aug 22 01:17:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





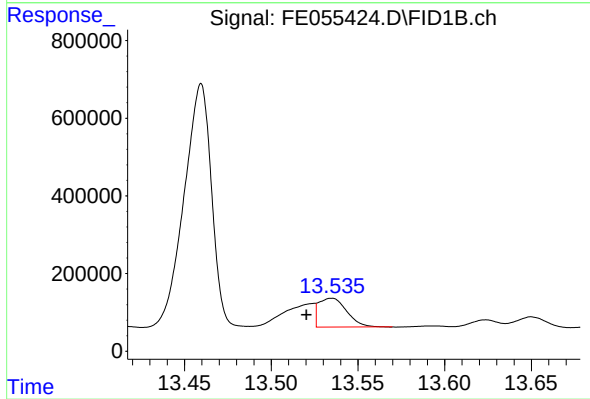
#9 ortho-Terphenyl (SURR)

R.T.: 12.084 min
Delta R.T.: 0.000 min
Response: 711798
Conc: 4.98 ug/ml

Instrument :
FID_E
ClientSampleId :
SDL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.535 min
Delta R.T.: 0.015 min
Response: 816333
Conc: 7.59 ug/ml m

Instrument :

FID_E

ClientSampleId :

5DL

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025

Supervised By :mohammad ahmed 08/25/2025

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE08212
Data File : FE055424.D
Signal(s) : FID1B.ch
Acq On : 21 Aug 2025 12:12
Sample : Q2868-07DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.831	2.804	2.875	BV	226	3457	0.04%	0.002%
2	2.886	2.875	2.898	PV	60	692	0.01%	0.000%
3	2.906	2.898	2.941	VV	129	1860	0.02%	0.001%
4	2.946	2.941	3.008	VV	81	1780	0.02%	0.001%
5	3.016	3.008	3.020	PV	31	231	0.00%	0.000%
6	3.053	3.020	3.092	VV	709	10297	0.11%	0.007%
7	3.112	3.092	3.135	VV	169	2106	0.02%	0.002%
8	3.164	3.135	3.241	VV	164	4700	0.05%	0.003%
9	3.252	3.241	3.271	PV	107	1039	0.01%	0.001%
10	3.278	3.271	3.288	VV	86	680	0.01%	0.000%
11	3.420	3.288	3.467	VV	186	10142	0.11%	0.007%
12	3.480	3.467	3.512	VV	143	2667	0.03%	0.002%
13	3.545	3.512	3.571	VV	131	3651	0.04%	0.003%
14	3.599	3.571	3.620	VV	133	3009	0.03%	0.002%
15	3.650	3.620	3.718	VV	167	5743	0.06%	0.004%
16	3.745	3.718	3.758	VV	135	2251	0.02%	0.002%
17	3.797	3.758	3.843	VV	142	4228	0.05%	0.003%
18	3.890	3.843	3.978	VV	656	15359	0.17%	0.011%
19	4.007	3.978	4.071	VV	654	11181	0.12%	0.008%
20	4.110	4.071	4.186	VV	124	8508	0.09%	0.006%
21	4.212	4.186	4.254	VV	686	11648	0.13%	0.008%
22	4.279	4.254	4.308	VV	204	5642	0.06%	0.004%
23	4.330	4.308	4.353	VV	325	5391	0.06%	0.004%
24	4.378	4.353	4.406	VV	559	10043	0.11%	0.007%
25	4.423	4.406	4.458	VV	354	7393	0.08%	0.005%
26	4.522	4.458	4.544	VV	194	7611	0.08%	0.005%
27	4.571	4.544	4.608	VV	185	5587	0.06%	0.004%
28	4.632	4.608	4.698	VV	161	6665	0.07%	0.005%
29	4.735	4.698	4.824	VV	124	5738	0.06%	0.004%
30	4.843	4.824	4.869	VV	131	2292	0.03%	0.002%
31	4.911	4.869	5.014	VV	1368	25554	0.28%	0.018%
32	5.055	5.014	5.148	VV	365	14526	0.16%	0.010%
33	5.300	5.261	5.473	VV	631	23315	0.26%	0.017%
34	5.567	5.473	5.611	VV	295	11908	0.13%	0.009%
35	5.626	5.611	5.715	VV	148	5357	0.06%	0.004%
36	5.757	5.715	5.804	PV	226	4235	0.05%	0.003%

					retention			
37	5.874	5.804	5.918	VV	250	7190	0.08%	0.005%
38	5.938	5.918	6.003	VV	150	4070		
39	6.095	6.003	6.114	VV	634	12712		
40	6.337	6.321	6.373	VV	684	16795		
41	6.399	6.373	6.429	VV	7213	76267		
42	6.451	6.429	6.491	VV	1169	21276		
43	6.509	6.491	6.601	VV	435	15642	0.17%	0.011%
44	6.622	6.601	6.650	VV	345	6967	0.08%	0.005%
45	6.691	6.650	6.725	VV	367	12282	0.14%	0.009%
46	6.753	6.725	6.779	VV	313	8153	0.09%	0.006%
47	6.800	6.779	6.841	VV	345	9391	0.10%	0.007%
48	6.859	6.841	6.904	VV	687	12822	0.14%	0.009%
49	6.924	6.904	6.951	VV	215	4460	0.05%	0.003%
50	6.974	6.951	6.998	VV	199	3916	0.04%	0.003%
51	7.016	6.998	7.042	VV	221	3434	0.04%	0.002%
52	7.069	7.042	7.127	PV	553	12473	0.14%	0.009%
53	7.179	7.127	7.221	VV	1327	29237	0.32%	0.021%
54	7.244	7.221	7.264	VV	503	9008	0.10%	0.006%
55	7.290	7.264	7.334	VV	585	13293	0.15%	0.010%
56	7.452	7.334	7.484	VV	1015	61802	0.68%	0.044%
57	7.500	7.484	7.528	VV	3297	38474	0.43%	0.028%
58	7.559	7.528	7.614	VV	1506	30658	0.34%	0.022%
59	7.763	7.695	7.831	VV	363	18374	0.20%	0.013%
60	7.849	7.831	7.870	VV	174	3308	0.04%	0.002%
61	7.888	7.870	7.922	VV	206	3322	0.04%	0.002%
62	7.987	7.922	8.058	VV	575	18747	0.21%	0.013%
63	8.102	8.058	8.131	PV	399	5228	0.06%	0.004%
64	8.150	8.131	8.178	PV	466	5279	0.06%	0.004%
65	8.242	8.178	8.318	VV	2105	43582	0.48%	0.031%
66	8.346	8.318	8.362	VV	305	5224	0.06%	0.004%
67	8.405	8.362	8.458	VV	705	26633	0.30%	0.019%
68	8.514	8.458	8.553	VV	2147	54451	0.60%	0.039%
69	8.577	8.553	8.601	VV	1260	20148	0.22%	0.014%
70	8.622	8.601	8.722	VV	5162	160336	1.78%	0.115%
71	8.742	8.722	8.759	VV	1661	21618	0.24%	0.016%
72	8.901	8.882	8.963	VV	2082	31234	0.35%	0.022%
73	9.016	8.963	9.034	VV	387	7809	0.09%	0.006%
74	9.060	9.034	9.091	VV	5320	60690	0.67%	0.044%
75	9.110	9.091	9.131	VV	5605	60419	0.67%	0.043%
76	9.154	9.131	9.208	VV	4478	87257	0.97%	0.063%
77	9.255	9.208	9.294	VV	2705	68018	0.75%	0.049%
78	9.476	9.461	9.501	VV	1106	16186	0.18%	0.012%
79	9.524	9.501	9.544	VV	4480	54262	0.60%	0.039%
80	9.565	9.544	9.603	VV	5703	72523	0.80%	0.052%
81	9.623	9.603	9.644	VV	1590	19178	0.21%	0.014%
82	9.681	9.644	9.698	VV	6055	83922	0.93%	0.060%
83	9.713	9.698	9.736	VV	6099	66086	0.73%	0.047%
84	9.767	9.736	9.791	VV	8957	115780	1.28%	0.083%
85	9.862	9.840	9.881	VV	7683	85154	0.94%	0.061%
86	9.904	9.881	9.958	VV	36204	466240	5.16%	0.335%
87	9.984	9.958	10.018	VV	7102	121019	1.34%	0.087%
88	10.052	10.018	10.096	VV	6212	127077	1.41%	0.091%
89	10.116	10.096	10.151	VV	3516	58626	0.65%	0.042%

Instrument :

FID_E

ClientSampleId :

5DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025

Supervised By :mohammad ahmed 08/25/2025

					rters			
90	10.177	10.151	10.204	VV	6949	116870	1.29%	0.084%
91	10.227	10.204	10.254	VV	20051	230483		
92	10.273	10.254	10.295	VV	2882	49025		
93	10.329	10.295	10.371	VV	29711	410763		
94	10.392	10.371	10.446	VV	5481	89326		
95	10.491	10.446	10.554	VV	2192	62081		
96	10.603	10.554	10.628	PV	686	12845	0.14%	0.009%
97	10.655	10.628	10.716	VV	3770	77552	0.86%	0.056%
98	10.792	10.716	10.816	VV	14200	316453	3.51%	0.227%
99	10.835	10.816	10.866	VV	7049	95853	1.06%	0.069%
100	10.911	10.866	10.941	VV	8807	168421	1.87%	0.121%
101	10.965	10.941	11.015	VV	106155	1167668	12.93%	0.839%
102	11.117	11.015	11.154	VV	39772	882436	9.77%	0.634%
103	11.216	11.154	11.271	VV	13165	292966	3.25%	0.210%
104	11.325	11.271	11.364	VV	757093	8546403	94.67%	6.138%
105	11.396	11.364	11.458	VV	212599	2513119	27.84%	1.805%
106	11.473	11.458	11.500	VV	6867	94319	1.04%	0.068%
107	11.521	11.500	11.540	VV	3416	50955	0.56%	0.037%
108	11.565	11.540	11.584	VV	14626	169631	1.88%	0.122%
109	11.607	11.584	11.657	VV	93358	1013698	11.23%	0.728%
110	11.726	11.657	11.781	VV	6788	224143	2.48%	0.161%
111	11.838	11.781	11.893	VV	19508	621811	6.89%	0.447%
112	11.923	11.893	11.948	VV	13708	212948	2.36%	0.153%
113	12.012	11.948	12.054	VV	14207	421419	4.67%	0.303%
114	12.083	12.054	12.104	VV	65955	777344	8.61%	0.558%
115	12.158	12.104	12.201	VV	93744	1853570	20.53%	1.331%
116	12.241	12.201	12.289	VV	48467	1442611	15.98%	1.036%
117	12.307	12.289	12.364	VV	58369	801485	8.88%	0.576%
118	12.385	12.364	12.418	VV	10873	172869	1.91%	0.124%
119	12.446	12.418	12.464	VV	7870	126813	1.40%	0.091%
120	12.488	12.464	12.544	VV	56835	725907	8.04%	0.521%
121	12.597	12.544	12.621	VV	51697	688186	7.62%	0.494%
122	12.638	12.621	12.689	VV	6184	181865	2.01%	0.131%
123	12.771	12.689	12.818	VV	20857	452248	5.01%	0.325%
124	12.872	12.818	12.901	VV	9432	278949	3.09%	0.200%
125	12.923	12.901	12.961	VV	17358	328566	3.64%	0.236%
126	12.986	12.961	13.013	VV	65160	843003	9.34%	0.605%
127	13.034	13.013	13.051	VV	31475	421764	4.67%	0.303%
128	13.069	13.051	13.119	VV	20876	610952	6.77%	0.439%
129	13.158	13.119	13.198	VV	741102	9027777	100.00%	6.484%
130	13.213	13.198	13.234	VV	10097	119964	1.33%	0.086%
131	13.290	13.234	13.321	VV	102783	1443986	15.99%	1.037%
132	13.342	13.321	13.424	VV	29222	929661	10.30%	0.668%
133	13.458	13.424	13.488	VV	619398	6987661	77.40%	5.019%
134	13.532	13.488	13.572	VV	74008	1717304	19.02%	1.233%
135	13.650	13.572	13.674	VV	28762	677845	7.51%	0.487%
136	13.718	13.674	13.763	VV	37230	564234	6.25%	0.405%
137	13.791	13.763	13.813	VV	20063	315211	3.49%	0.226%
138	13.849	13.813	13.888	VV	20385	442872	4.91%	0.318%
139	13.911	13.888	13.980	VV	37034	632480	7.01%	0.454%
140	14.042	13.980	14.083	VV	55332	1177927	13.05%	0.846%
141	14.106	14.083	14.126	VV	11677	195102	2.16%	0.140%

Instrument :

FID_E

ClientSampleId :

5DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025

Supervised By :mohammad ahmed 08/25/2025

rteres									
142	14.150	14.126	14.169	VV	22597	316657	3.51%	0.227%	
143	14.191	14.169	14.246	VV	39674	615473			
144	14.284	14.246	14.308	VV	17060	437576			
145	14.321	14.308	14.341	VV	31050	392980			
146	14.361	14.341	14.400	VV	33056	471449			
147	14.434	14.400	14.454	VV	12264	211220			
148	14.474	14.454	14.498	VV	8711	159077	1.76%	0.114%	
149	14.541	14.498	14.651	VV	8746	388440	4.30%	0.279%	
150	14.782	14.651	14.814	PV	68574	1107926	12.27%	0.796%	
151	14.843	14.814	14.860	VV	5499	116344	1.29%	0.084%	
152	14.881	14.860	14.921	VV	7542	150306	1.66%	0.108%	
153	14.955	14.921	14.998	VV	40409	888063	9.84%	0.638%	
154	15.024	14.998	15.048	VV	70003	1048823	11.62%	0.753%	
155	15.086	15.048	15.124	VV	80093	1333477	14.77%	0.958%	
156	15.209	15.124	15.246	VV	19436	547973	6.07%	0.394%	
157	15.293	15.246	15.312	VV	61852	780144	8.64%	0.560%	
158	15.340	15.312	15.362	VV	294808	3757784	41.62%	2.699%	
159	15.383	15.362	15.411	VV	259541	3070688	34.01%	2.205%	
160	15.428	15.411	15.452	VV	13151	173704	1.92%	0.125%	
161	15.499	15.452	15.545	VV	83128	1345691	14.91%	0.966%	
162	15.576	15.545	15.610	VV	23561	399695	4.43%	0.287%	
163	15.639	15.610	15.664	VV	31495	464157	5.14%	0.333%	
164	15.688	15.664	15.735	VV	26216	540451	5.99%	0.388%	
165	15.782	15.735	15.806	VV	18951	367231	4.07%	0.264%	
166	15.823	15.806	15.848	VV	11357	168448	1.87%	0.121%	
167	15.880	15.848	15.901	VV	6175	132609	1.47%	0.095%	
168	15.923	15.901	15.945	VV	6049	110821	1.23%	0.080%	
169	16.012	15.945	16.034	VV	51918	972039	10.77%	0.698%	
170	16.051	16.034	16.111	VV	22299	434363	4.81%	0.312%	
171	16.167	16.111	16.208	VV	26101	812002	8.99%	0.583%	
172	16.250	16.208	16.304	VV	13527	297669	3.30%	0.214%	
173	16.334	16.304	16.351	VV	12203	173193	1.92%	0.124%	
174	16.374	16.351	16.394	VV	13199	227668	2.52%	0.164%	
175	16.536	16.516	16.553	VV	2144	34880	0.39%	0.025%	
176	16.572	16.553	16.591	VV	3692	48031	0.53%	0.034%	
177	16.637	16.591	16.667	VV	19887	365982	4.05%	0.263%	
178	16.689	16.667	16.729	VV	18275	296500	3.28%	0.213%	
179	16.752	16.729	16.780	VV	9173	198215	2.20%	0.142%	
180	16.839	16.780	16.864	VV	26812	669040	7.41%	0.481%	
181	16.911	16.864	16.976	VV	278719	5745004	63.64%	4.126%	
182	17.037	16.976	17.113	VV	74422	1390108	15.40%	0.998%	
183	17.231	17.113	17.260	VV	195032	3449288	38.21%	2.477%	
184	17.292	17.260	17.334	VV	259313	3463964	38.37%	2.488%	
185	17.389	17.334	17.414	VV	80248	1188405	13.16%	0.854%	
186	17.436	17.414	17.467	VV	20414	364438	4.04%	0.262%	
187	17.527	17.467	17.569	VV	18350	701062	7.77%	0.504%	
188	17.588	17.569	17.610	VV	10180	182089	2.02%	0.131%	
189	17.655	17.610	17.718	VV	22633	820403	9.09%	0.589%	
190	17.809	17.718	17.843	VV	23091	948162	10.50%	0.681%	
191	17.873	17.843	17.921	VV	17226	516118	5.72%	0.371%	
192	17.948	17.921	18.024	VV	20051	627483	6.95%	0.451%	
193	18.077	18.024	18.114	VV	9845	366432	4.06%	0.263%	
194	18.144	18.114	18.171	VV	5144	148125	1.64%	0.106%	

Instrument :

FID_E

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5DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

							Instrument : FID_E ClientSampleId : 5DL
195	18.270	18.171	18.298	VV	18098	848711	9.40% 0.610%
196	18.344	18.298	18.364	VV	18052	564599	
197	18.385	18.364	18.405	VV	22011	411624	
198	18.431	18.405	18.493	VV	30782	1062515	
199	18.517	18.493	18.539	VV	23398	477302	
200	18.571	18.539	18.631	VV	58793	1439429	
201	18.667	18.631	18.729	VV	199276	3687037	40.84% 2.648%
202	18.744	18.729	18.767	VV	30935	570885	6.32% 0.410%
203	18.794	18.767	18.811	VV	59640	954656	10.57% 0.686%
204	18.829	18.811	18.889	VV	57314	1584034	17.55% 1.138%
205	18.924	18.889	18.981	VV	173103	2989671	33.12% 2.147%
206	19.004	18.981	19.026	VV	31776	718398	7.96% 0.516%
207	19.053	19.026	19.113	VV	59378	1476704	16.36% 1.061%
208	19.146	19.113	19.166	VV	19942	512614	5.68% 0.368%
209	19.179	19.166	19.198	VV	16984	302016	3.35% 0.217%
210	19.228	19.198	19.278	VV	21343	831777	9.21% 0.597%
211	19.348	19.278	19.371	VV	25601	1107640	12.27% 0.796%
212	19.393	19.371	19.411	VV	20172	451675	5.00% 0.324%
213	19.434	19.411	19.458	VV	24404	589114	6.53% 0.423%
214	19.485	19.458	19.564	VV	26694	1330360	14.74% 0.955%
215	19.597	19.564	19.680	VV	25275	1505356	16.67% 1.081%
216	19.720	19.680	19.741	VV	22282	771132	8.54% 0.554%
217	19.770	19.741	19.793	VV	23208	673414	7.46% 0.484%
218	19.868	19.831	19.914	VV	28163	1210380	13.41% 0.869%
219	20.013	19.968	20.041	VV	33207	1246467	13.81% 0.895%
220	20.078	20.041	20.108	VV	68075	1808104	20.03% 1.299%
221	20.146	20.108	20.180	VV	67278	2081858	23.06% 1.495%
222	20.238	20.180	20.308	VV	45585	2889244	32.00% 2.075%
223	20.360	20.308	20.395	VV	39636	1773025	19.64% 1.273%
224	20.456	20.395	20.494	VV	74765	2865101	31.74% 2.058%
225	20.527	20.494	20.575	VV	50750	2139460	23.70% 1.537%

Sum of corrected areas: 139236042

Aliphatic EPH 080125.M Fri Aug 22 05:01:08 2025



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FE080125AL

AreaCount

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

AVG Response Factor

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

Concentration

Parameter Range	FE055102.D	FE055103.D	FE055104.D	FE055105.D	FE055106.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

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

Initial Calibration Report for SequenceID : FE080125AL

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

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

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

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

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.095	13258959	96.436 ug/ml
Spiked Amount 50.000		Recovery =	192.87%
12) S 1-chlorooctadecane (S...	13.529	10060078	96.779 ug/ml
Spiked Amount 50.000		Recovery =	193.56%
Target Compounds			
1) T n-Nonane (C9)	3.426	10566449	95.907 ug/ml
2) T n-Decane (C10)	4.686	10785569	96.140 ug/ml
3) T A~Naphthalene (C11.7)	6.406	12473805	96.312 ug/ml
4) T n-Dodecane (C12)	6.863	11056736	96.333 ug/ml
5) T A~2-methylnaphthalene...	7.509	12240152	96.717 ug/ml
6) T n-Tetradecane (C14)	8.700	11258265	95.907 ug/ml
7) T n-Hexadecane (C16)	10.316	11825841	96.238 ug/ml
8) T n-Octadecane (C18)	11.768	12080672	96.276 ug/ml
10) T n-Eicosane (C20)	13.081	11630709	96.308 ug/ml
11) T n-Heneicosane (C21)	13.696	11425255	96.335 ug/ml
13) T n-Docosane (C22)	14.284	11344173	96.437 ug/ml
14) T n-Tetracosane (C24)	15.391	11250576	96.251 ug/ml
15) T n-Hexacosane (C26)	16.414	11078971	96.324 ug/ml
16) T n-Octacosane (C28)	17.367	10883206	96.067 ug/ml
17) T n-Tricontane (C30)	18.257	11064265	95.655 ug/ml
18) T n-Dotriacontane (C32)	19.090	10837325	95.887 ug/ml
19) T n-Tetratriacontane (C34)	19.876	10452018	96.017 ug/ml
20) T n-Hexatriacontane (C36)	20.616	9856874	96.586 ug/ml
21) T n-Octatriacontane (C38)	21.400	9704662	96.195 ug/ml
22) T n-Tetracontane (C40)	22.396	9614855	96.961 ug/ml

(f)=RT Delta > 1/2 Window

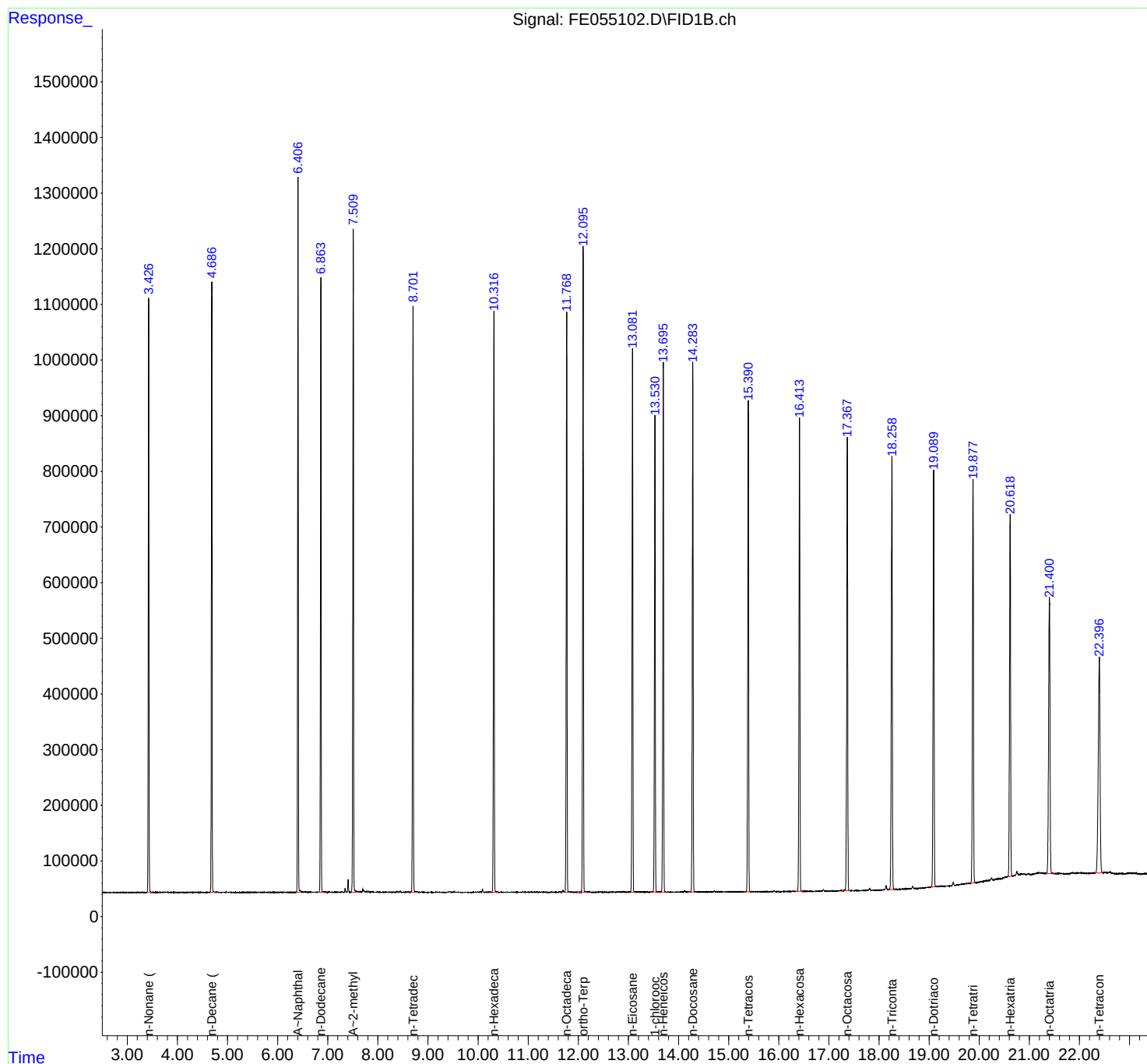
(m)=manual int.

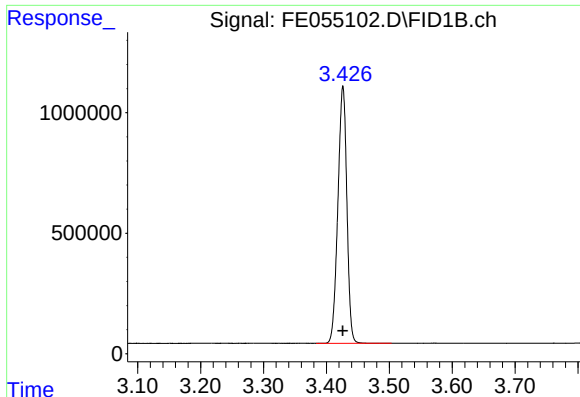
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055102.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:24
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

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

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

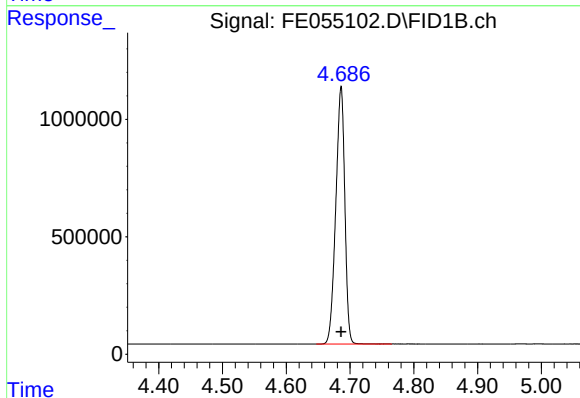




#1 n-Nonane (C9)

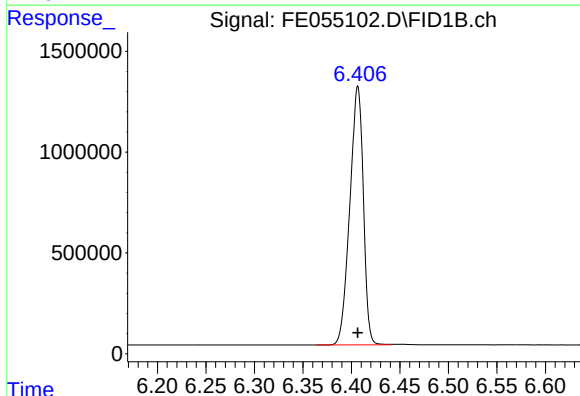
R.T.: 3.426 min
Delta R.T.: 0.000 min
Response: 10566449
Conc: 95.91 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



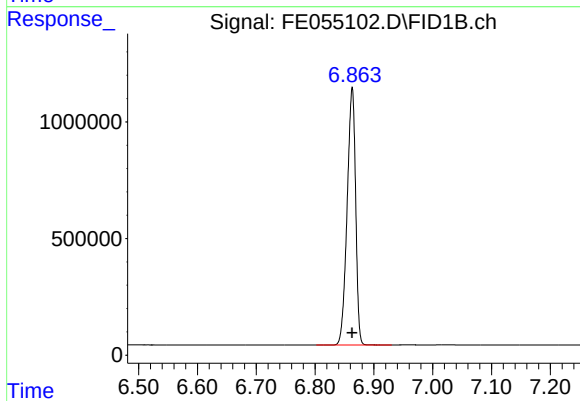
#2 n-Decane (C10)

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



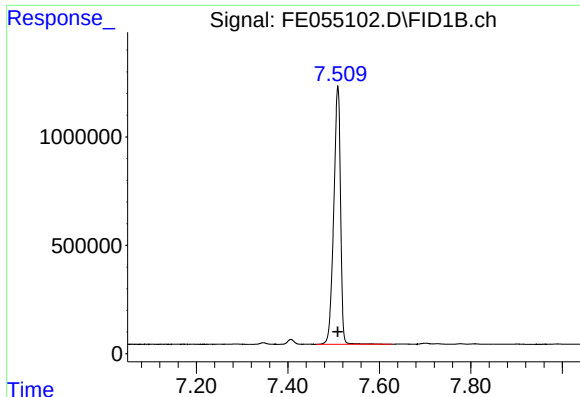
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

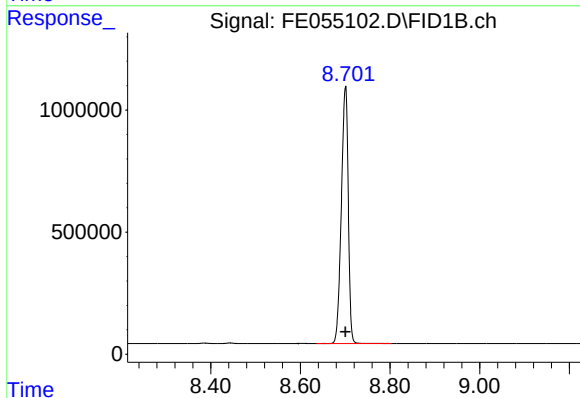
R.T.: 6.863 min
Delta R.T.: 0.000 min
Response: 11056736
Conc: 96.33 ug/ml



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

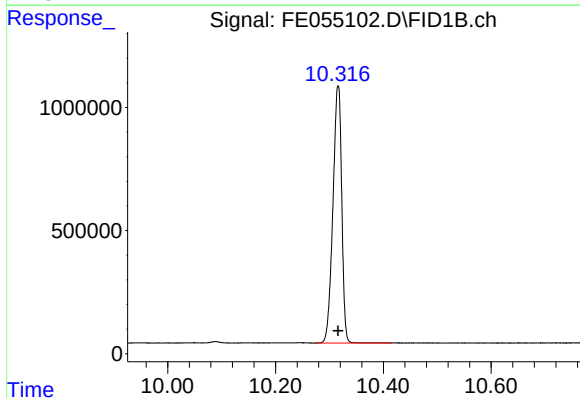
R.T.: 7.509 min
Delta R.T.: 0.000 min
Response: 12240152
Conc: 96.72 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



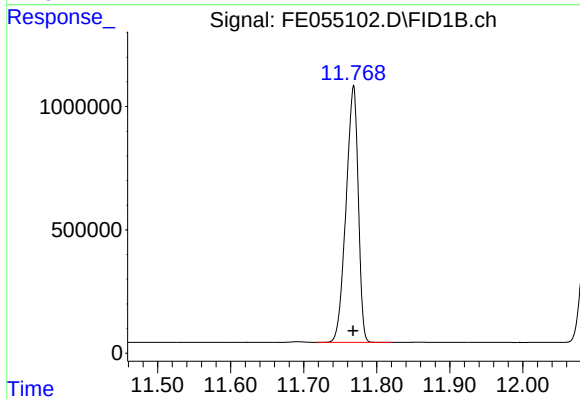
#6 n-Tetradecane (C14)

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



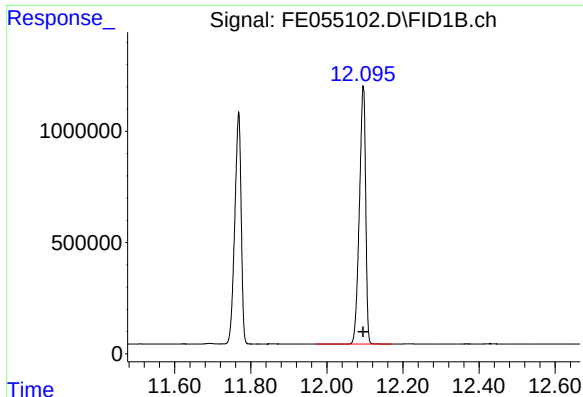
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

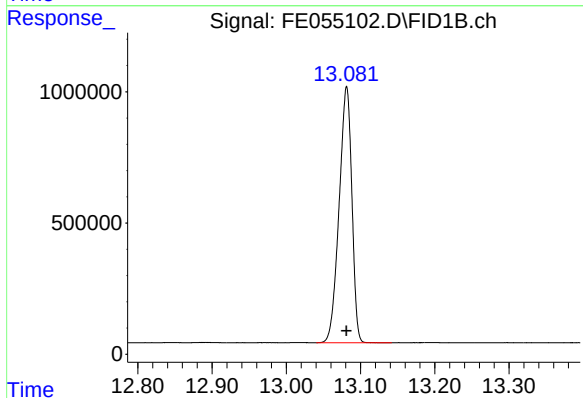
R.T.: 11.768 min
Delta R.T.: 0.000 min
Response: 12080672
Conc: 96.28 ug/ml



#9 ortho-Terphenyl (SURR)

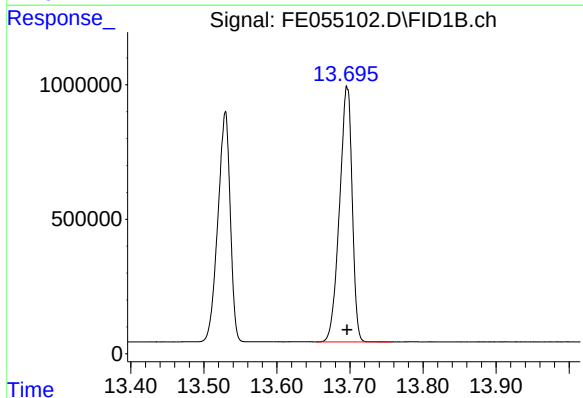
R.T.: 12.095 min
Delta R.T.: 0.000 min
Response: 13258959
Conc: 96.44 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



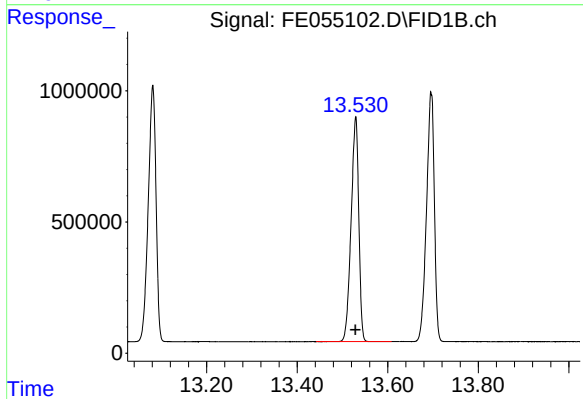
#10 n-Eicosane (C20)

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



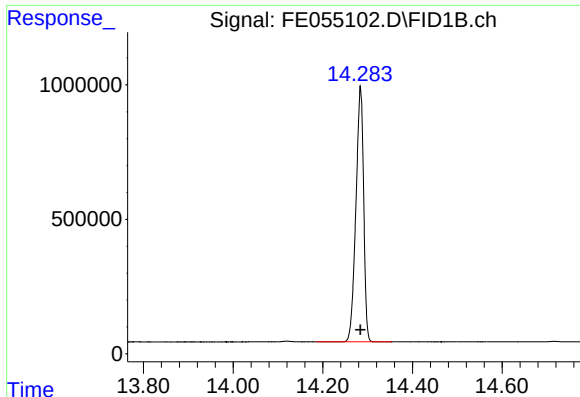
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

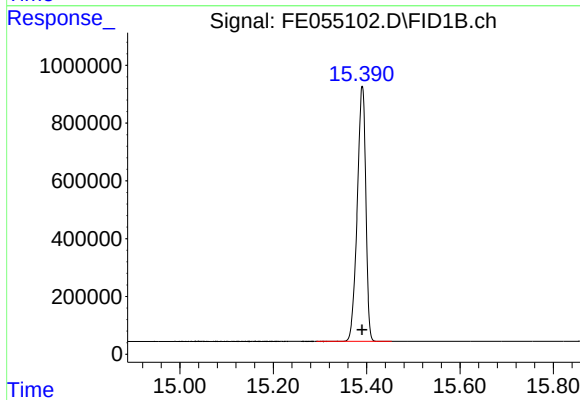
R.T.: 13.529 min
Delta R.T.: 0.000 min
Response: 10060078
Conc: 96.78 ug/ml



#13 n-Docosane (C22)

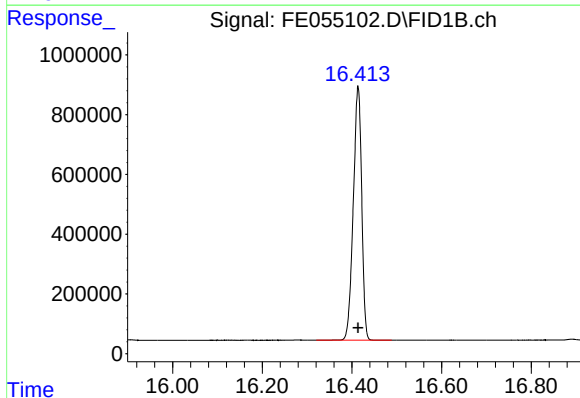
R.T.: 14.284 min
Delta R.T.: 0.000 min
Response: 11344173
Conc: 96.44 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



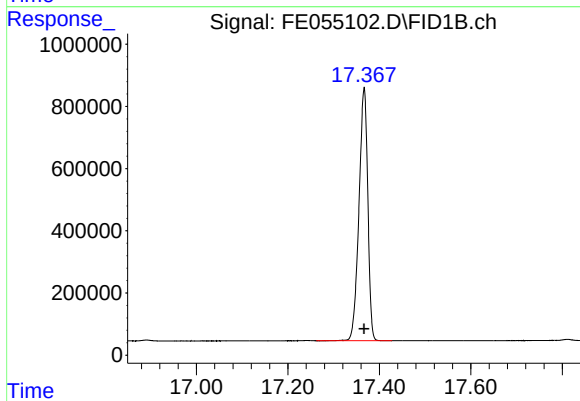
#14 n-Tetracosane (C24)

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



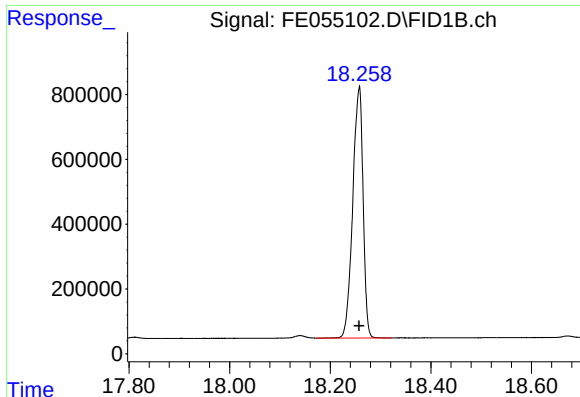
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

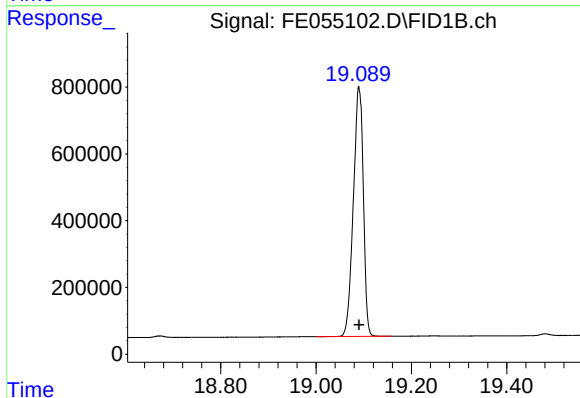
R.T.: 17.367 min
Delta R.T.: 0.000 min
Response: 10883206
Conc: 96.07 ug/ml



#17 n-Tricontane (C30)

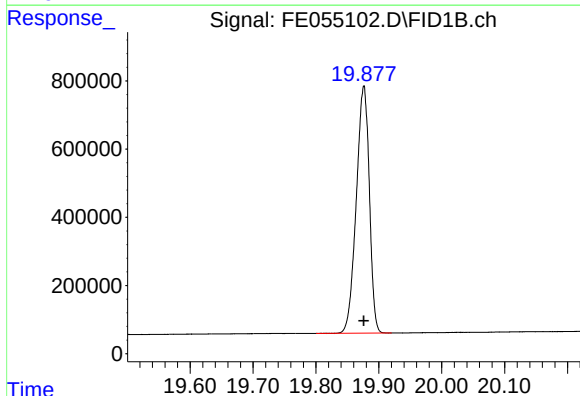
R.T.: 18.257 min
Delta R.T.: 0.000 min
Response: 11064265
Conc: 95.65 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



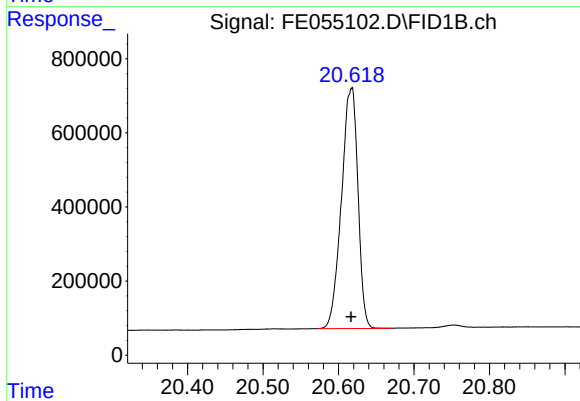
#18 n-Dotriacontane (C32)

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



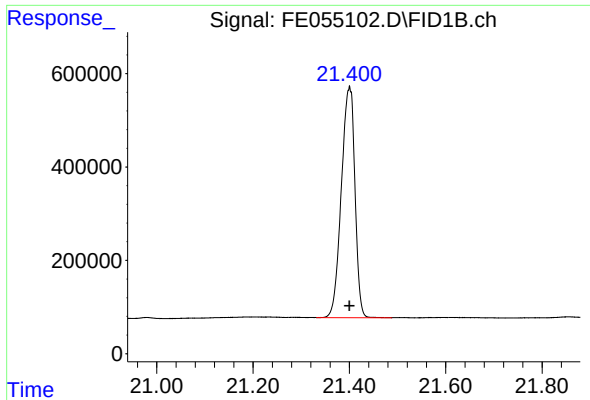
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

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



#21 n-Octatriacontane (C38)

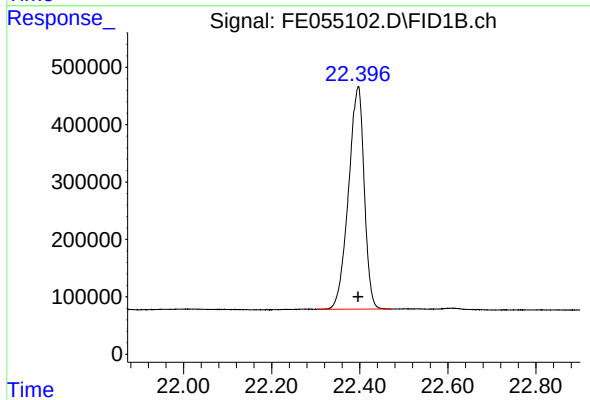
R.T.: 21.400 min
Delta R.T.: 0.000 min
Response: 9704662
Conc: 96.20 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.426	3.384	3.504	BB	1070986	10566449	79.69%	4.317%
2	4.686	4.647	4.765	BB	1091801	10785569	81.35%	4.407%
3	6.406	6.364	6.441	BV	1287901	12473805	94.08%	5.097%
4	6.863	6.802	6.930	BB	1111094	11056736	83.39%	4.518%
5	7.509	7.462	7.627	BV	1186565	12240152	92.32%	5.001%
6	8.700	8.635	8.804	BB	1051624	11258265	84.91%	4.600%
7	10.316	10.275	10.415	PB	1047662	11825841	89.19%	4.832%
8	11.768	11.717	11.820	VB	1049537	12080672	91.11%	4.936%
9	12.095	11.972	12.170	BB	1162473	13258959	100.00%	5.417%
10	13.081	13.040	13.142	PB	976332	11630709	87.72%	4.752%
11	13.529	13.442	13.609	BB	855859	10060078	75.87%	4.110%
12	13.696	13.654	13.757	PB	952985	11425255	86.17%	4.668%
13	14.284	14.185	14.354	BB	950759	11344173	85.56%	4.635%
14	15.391	15.292	15.454	BB	884285	11250576	84.85%	4.597%
15	16.414	16.320	16.489	BB	851287	11078971	83.56%	4.527%
16	17.367	17.262	17.427	BV	815166	10883206	82.08%	4.447%
17	18.257	18.172	18.322	VV	769818	11064265	83.45%	4.521%
18	19.090	19.000	19.159	BB	743160	10837325	81.74%	4.428%
19	19.876	19.800	19.920	BV	723914	10452018	78.83%	4.270%
20	20.617	20.570	20.670	BV	647925	9856874	74.34%	4.027%
21	21.400	21.331	21.488	BV	493523	9704662	73.19%	3.965%
22	22.396	22.301	22.472	BV	390989	9614855	72.52%	3.928%
Sum of corrected areas:						244749413		

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

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

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

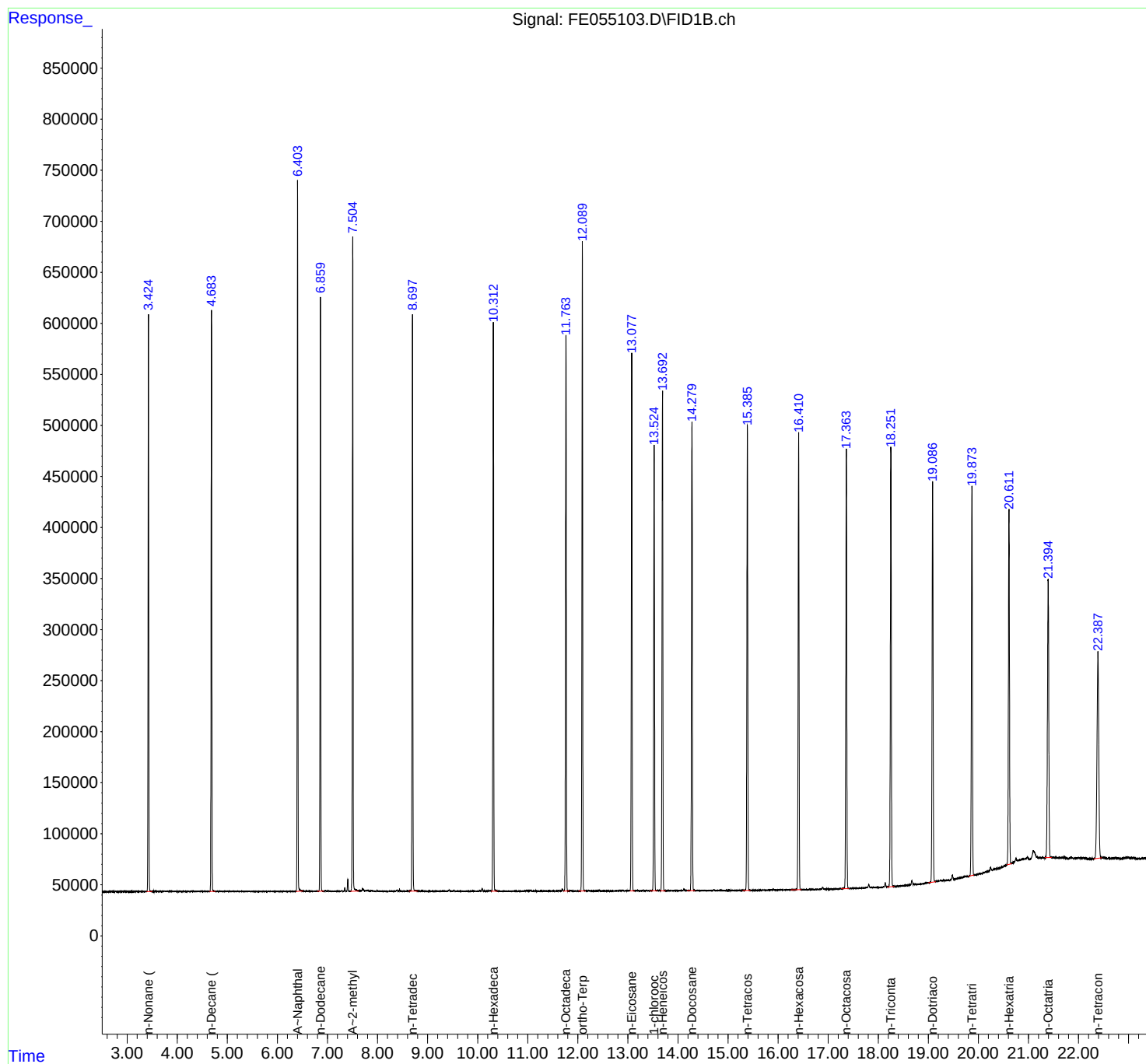
(m)=manual int.

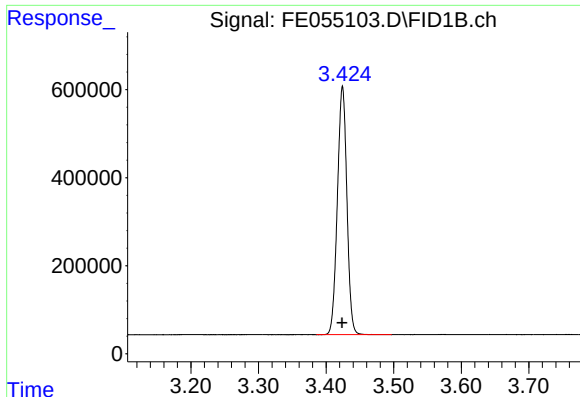
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055103.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:54
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

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

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

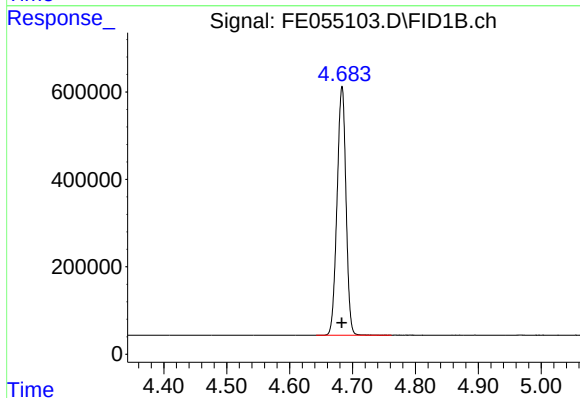




#1 n-Nonane (C9)

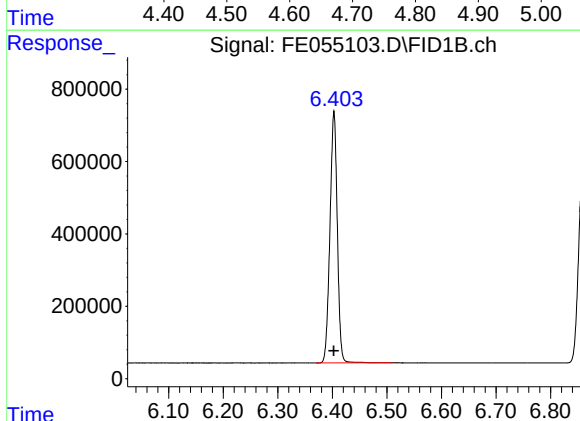
R.T.: 3.424 min
Delta R.T.: 0.000 min
Response: 5514791
Conc: 50.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



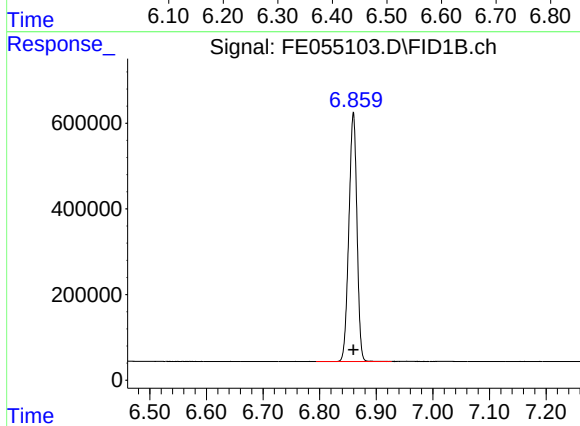
#2 n-Decane (C10)

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



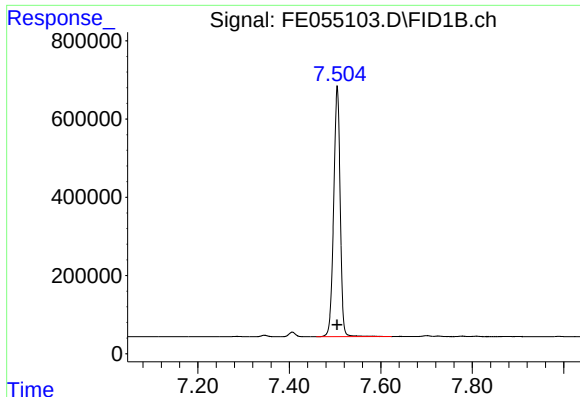
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

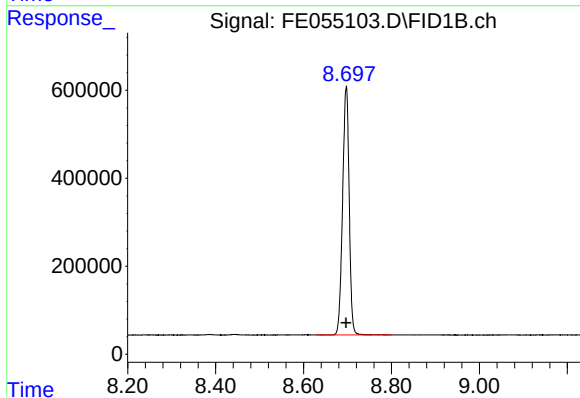
R.T.: 6.859 min
Delta R.T.: 0.000 min
Response: 5753858
Conc: 50.09 ug/ml



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

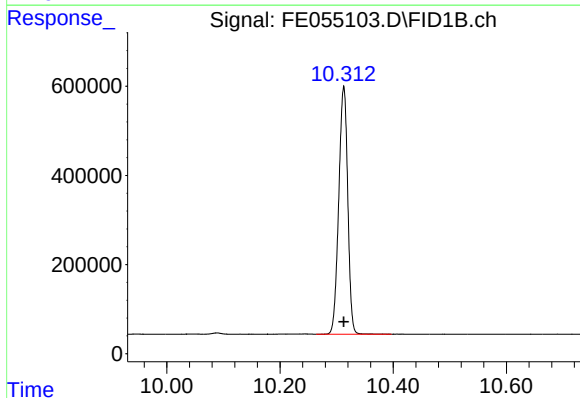
R.T.: 7.505 min
Delta R.T.: 0.000 min
Response: 6326213
Conc: 49.99 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



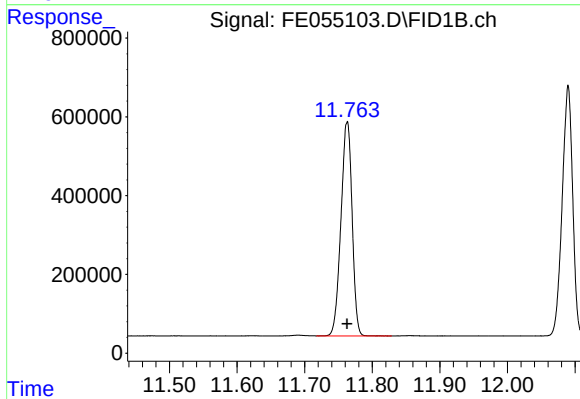
#6 n-Tetradecane (C14)

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



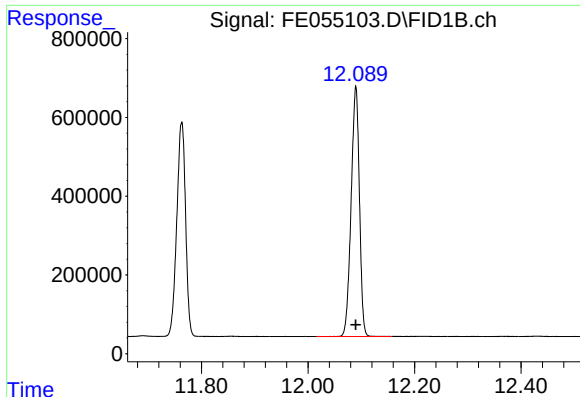
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

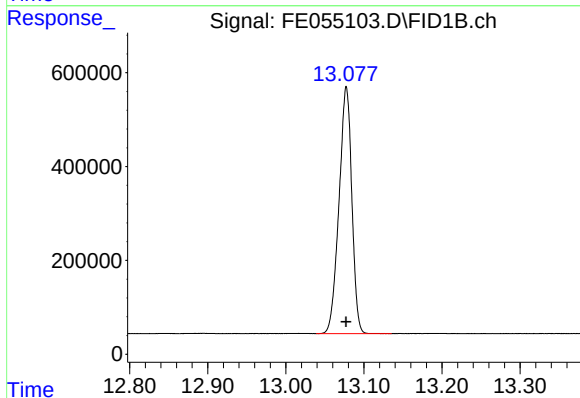
R.T.: 11.763 min
Delta R.T.: 0.000 min
Response: 6239947
Conc: 49.82 ug/ml



#9 ortho-Terphenyl (SURR)

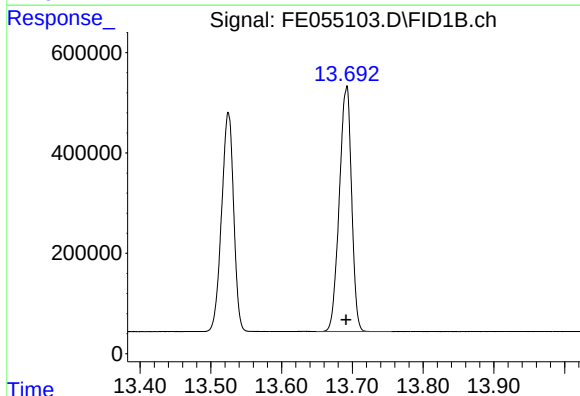
R.T.: 12.090 min
Delta R.T.: 0.000 min
Response: 6842277
Conc: 49.84 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



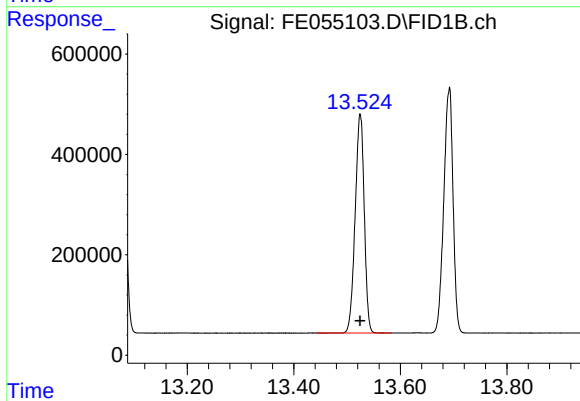
#10 n-Eicosane (C20)

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



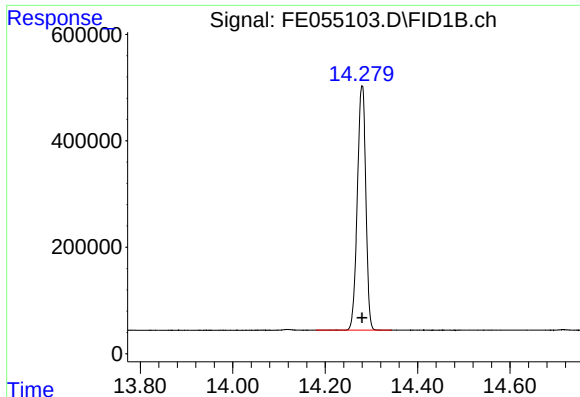
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

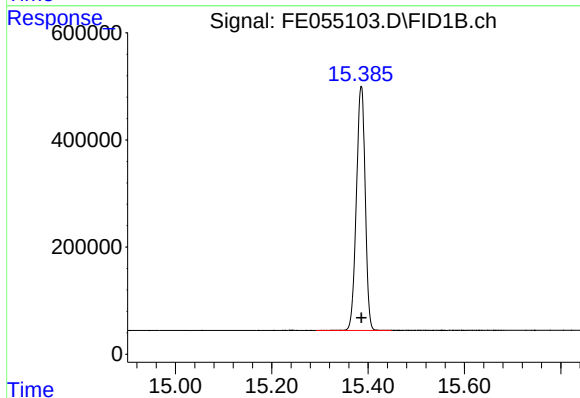
R.T.: 13.525 min
Delta R.T.: 0.000 min
Response: 5171408
Conc: 49.83 ug/ml



#13 n-Docosane (C22)

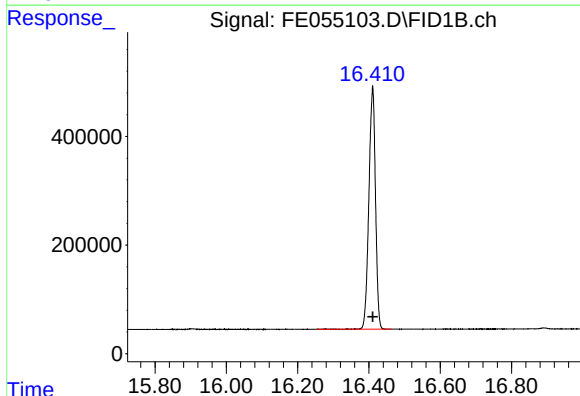
R.T.: 14.280 min
Delta R.T.: 0.000 min
Response: 5850962
Conc: 49.83 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



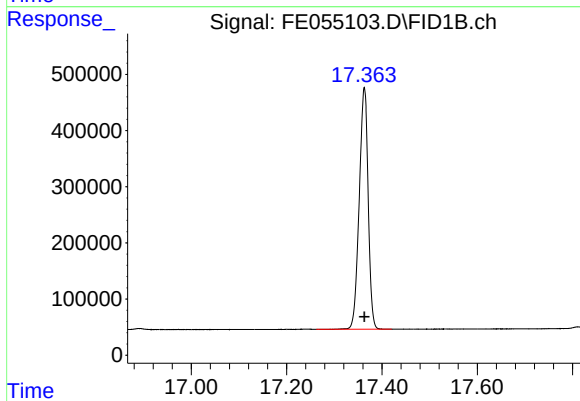
#14 n-Tetracosane (C24)

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



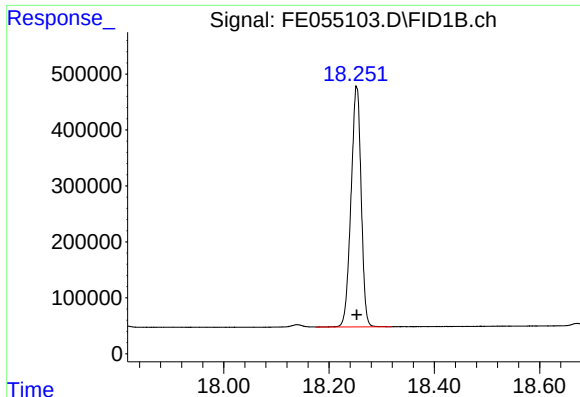
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

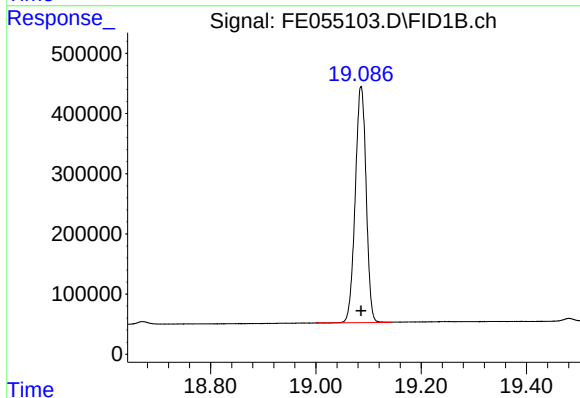
R.T.: 17.363 min
Delta R.T.: 0.000 min
Response: 5634944
Conc: 49.83 ug/ml



#17 n-Tricontane (C30)

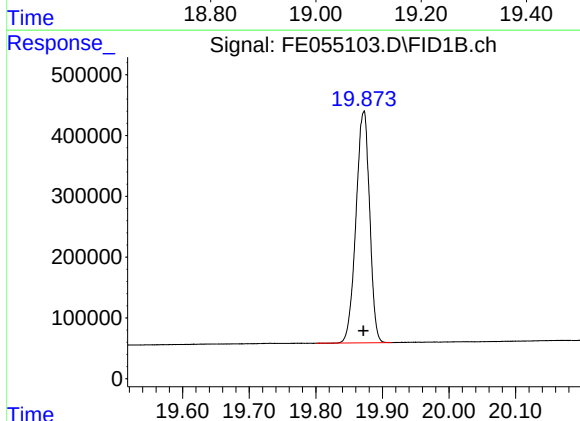
R.T.: 18.252 min
Delta R.T.: 0.000 min
Response: 5744409
Conc: 49.77 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



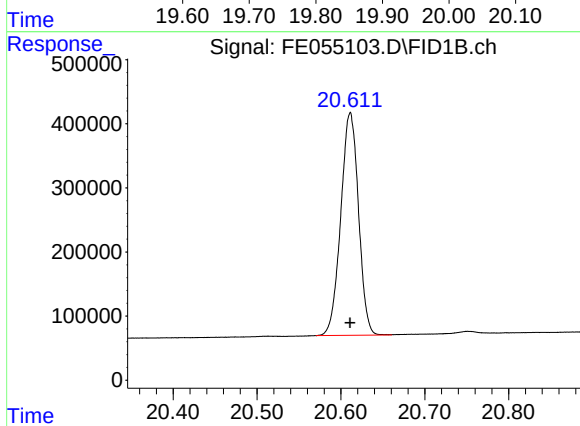
#18 n-Dotriacontane (C32)

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



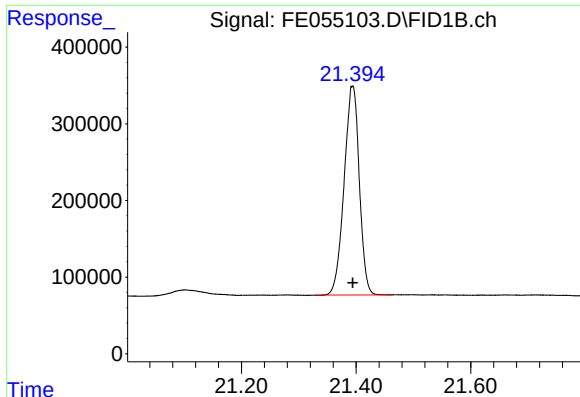
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

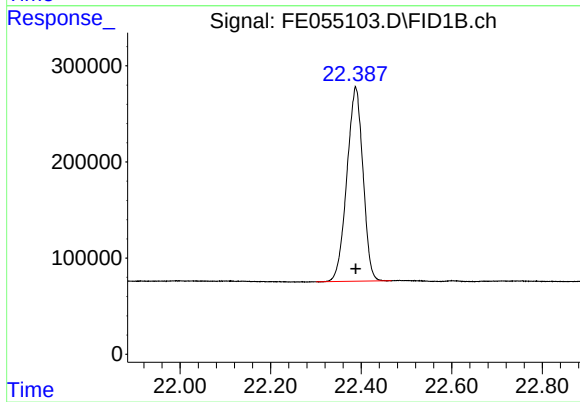
R.T.: 20.611 min
Delta R.T.: 0.000 min
Response: 5110739
Conc: 50.05 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.424	3.385	3.497	BB	563993	5514791	80.60%	4.350%
2	4.683	4.642	4.762	BB	572237	5622532	82.17%	4.435%
3	6.403	6.370	6.509	BB	697210	6498529	94.98%	5.126%
4	6.859	6.794	6.927	BB	579388	5753858	84.09%	4.539%
5	7.505	7.459	7.624	BV	640818	6326213	92.46%	4.990%
6	8.697	8.629	8.800	BB	563836	5858546	85.62%	4.621%
7	10.312	10.264	10.397	PB	554501	6127256	89.55%	4.833%
8	11.763	11.717	11.829	VB	543106	6239947	91.20%	4.922%
9	12.090	12.015	12.157	BB	638056	6842277	100.00%	5.397%
10	13.077	13.039	13.135	PB	527247	5995916	87.63%	4.730%
11	13.525	13.442	13.584	BB	435482	5171408	75.58%	4.079%
12	13.691	13.649	13.755	PB	488862	5891927	86.11%	4.648%
13	14.280	14.180	14.344	BB	459818	5850962	85.51%	4.615%
14	15.386	15.292	15.449	BB	456155	5809853	84.91%	4.583%
15	16.410	16.252	16.464	BB	448448	5728334	83.72%	4.518%
16	17.363	17.262	17.420	BB	429672	5634944	82.35%	4.445%
17	18.252	18.175	18.319	PB	429799	5744409	83.95%	4.531%
18	19.086	19.000	19.144	BV	392159	5642852	82.47%	4.451%
19	19.872	19.800	19.914	BV	380396	5420838	79.23%	4.276%
20	20.611	20.570	20.660	BV	346747	5110739	74.69%	4.031%
21	21.394	21.330	21.462	BB	272074	5015684	73.30%	3.956%
22	22.388	22.300	22.467	BV	202367	4974221	72.70%	3.924%

Sum of corrected areas: 126776034

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

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

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

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

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.087	2847777	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.522	2145943	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.423	2293663	20.000 ug/ml
2) T n-Decane (C10)	4.682	2330344	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.401	2685834	20.000 ug/ml
4) T n-Dodecane (C12)	6.857	2379703	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.502	2614202	20.000 ug/ml
6) T n-Tetradecane (C14)	8.695	2443850	20.000 ug/ml
7) T n-Hexadecane (C16)	10.310	2550070	20.000 ug/ml
8) T n-Octadecane (C18)	11.759	2603047	20.000 ug/ml
10) T n-Eicosane (C20)	13.074	2504470	20.000 ug/ml
11) T n-Heneicosane (C21)	13.688	2458940	20.000 ug/ml
13) T n-Docosane (C22)	14.277	2436487	20.000 ug/ml
14) T n-Tetracosane (C24)	15.383	2425424	20.000 ug/ml
15) T n-Hexacosane (C26)	16.407	2384923	20.000 ug/ml
16) T n-Octacosane (C28)	17.359	2354861	20.000 ug/ml
17) T n-Tricontane (C30)	18.249	2413903	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.083	2353404	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.868	2263836	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.609	2110743	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.389	2094471	20.000 ug/ml
22) T n-Tetracontane (C40)	22.384	2043499	20.000 ug/ml

(f)=RT Delta > 1/2 Window

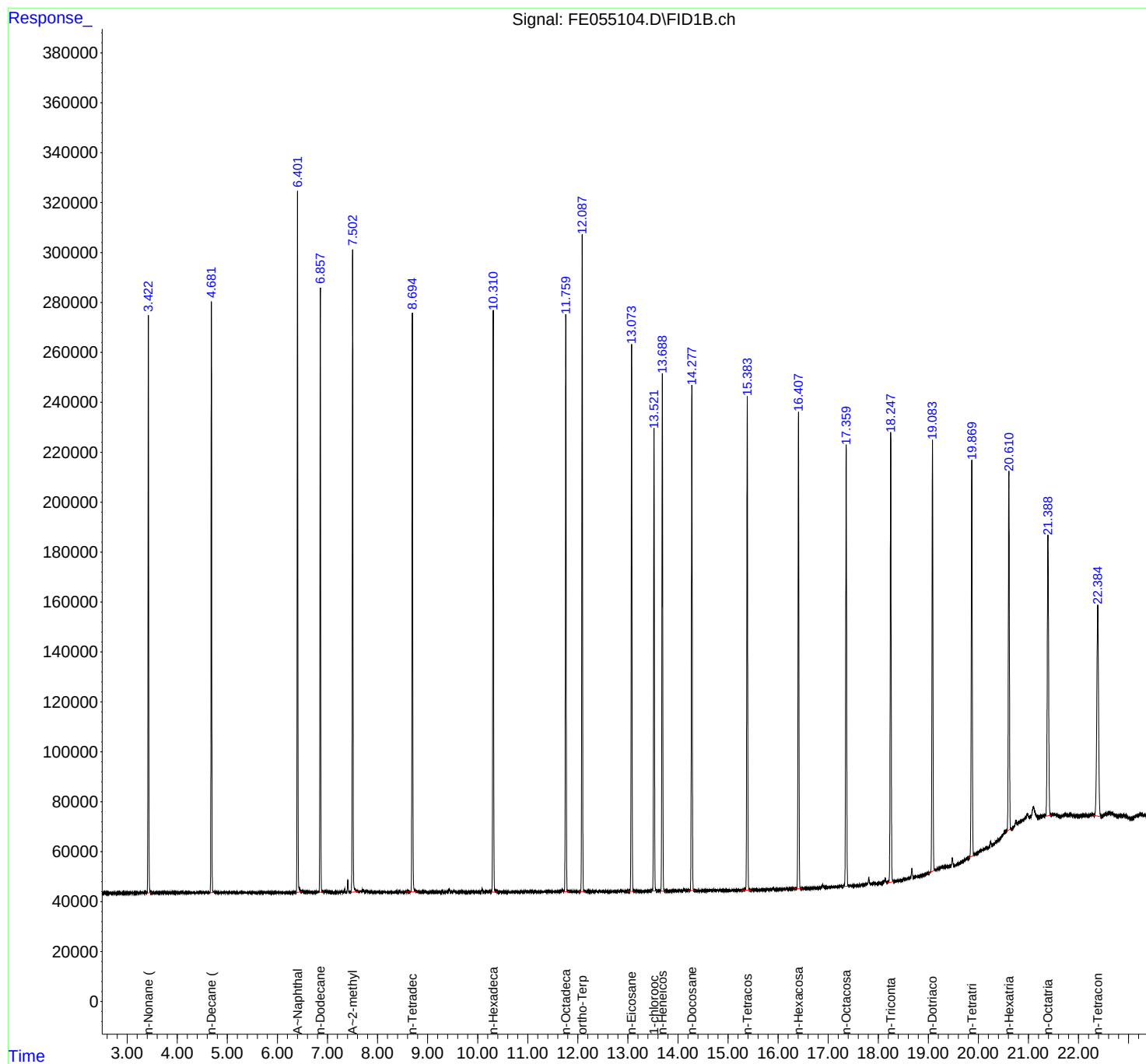
(m)=manual int.

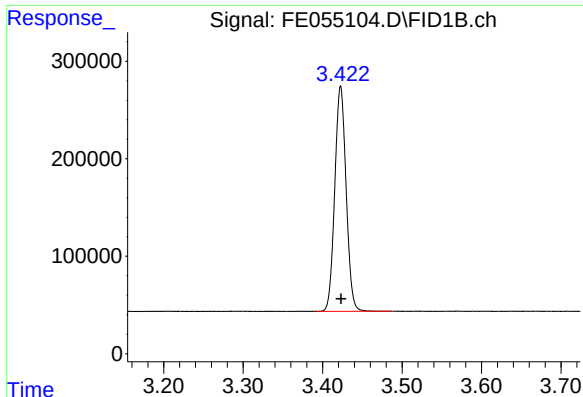
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055104.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:25
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

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

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

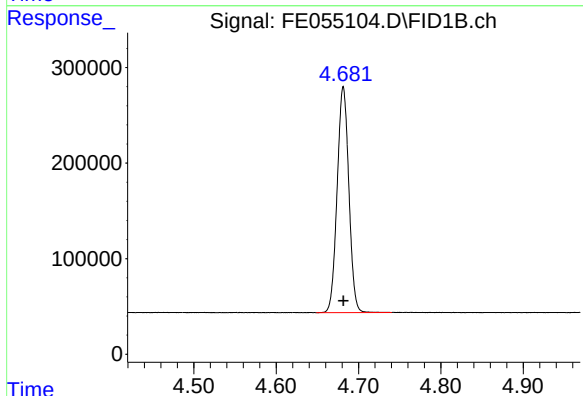




#1 n-Nonane (C9)

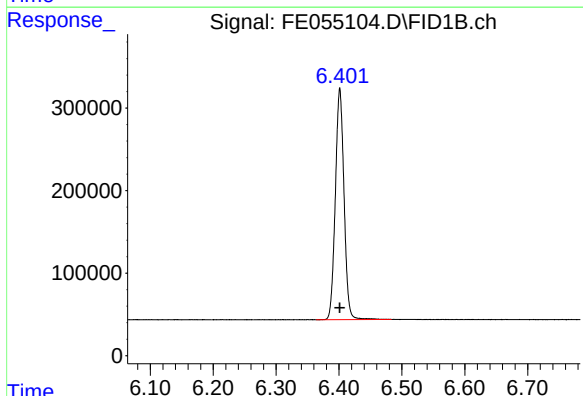
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 2293663
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



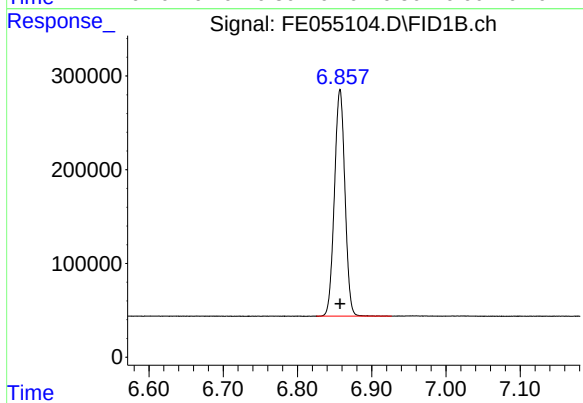
#2 n-Decane (C10)

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



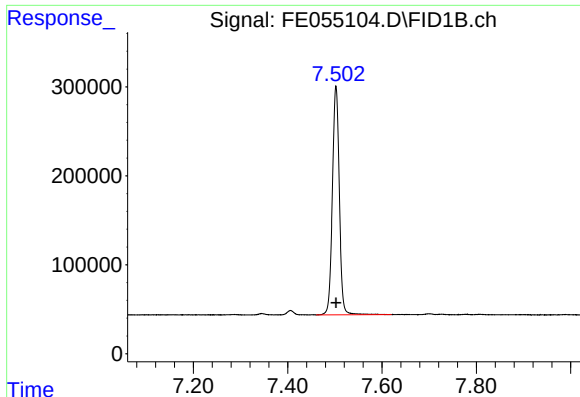
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

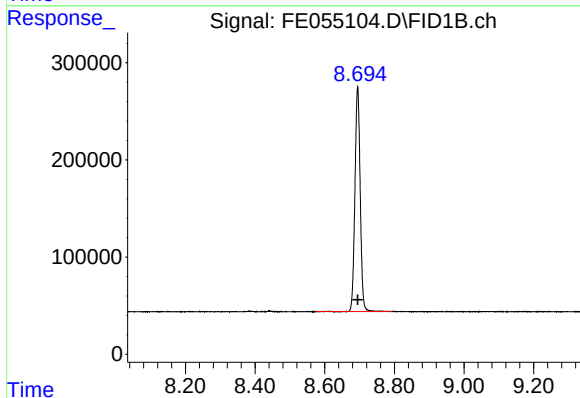
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 2379703
Conc: 20.00 ug/ml



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

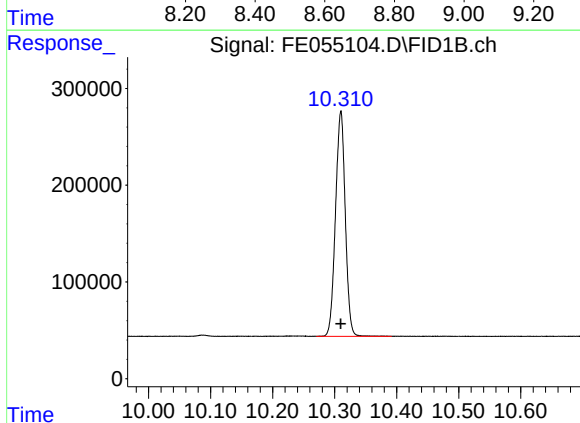
R.T.: 7.502 min
Delta R.T.: 0.000 min
Response: 2614202
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



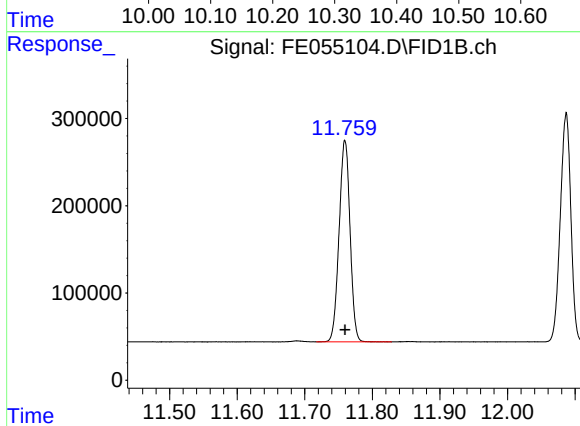
#6 n-Tetradecane (C14)

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



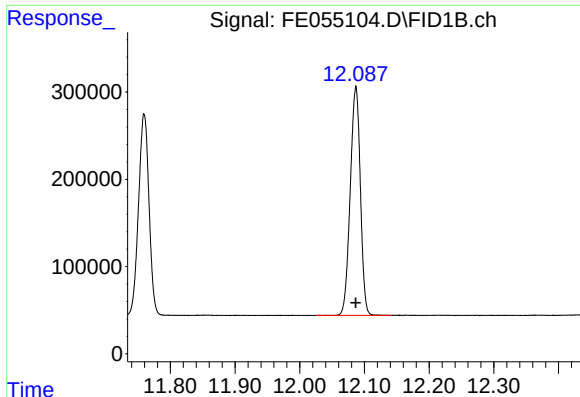
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

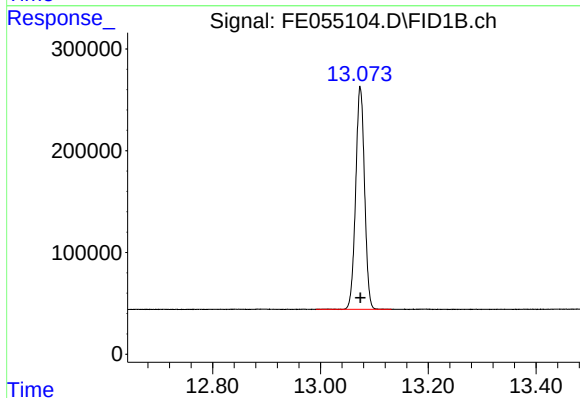
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 2603047
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

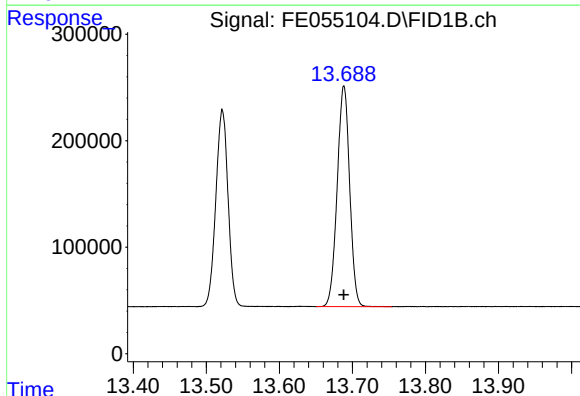
R.T.: 12.087 min
Delta R.T.: 0.000 min
Response: 2847777
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



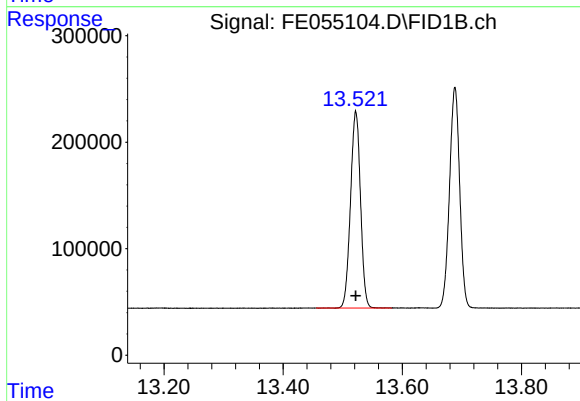
#10 n-Eicosane (C20)

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



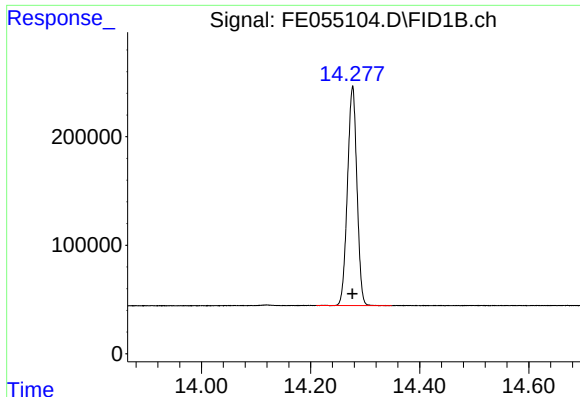
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

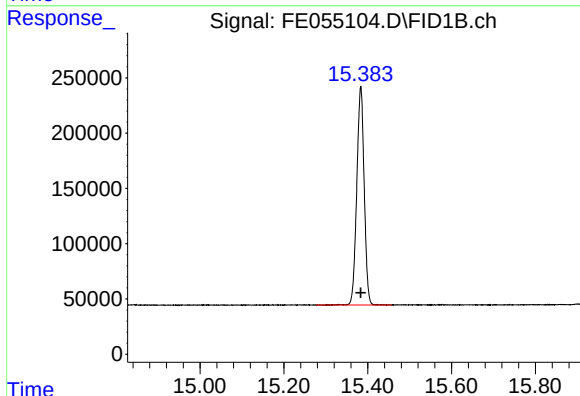
R.T.: 13.522 min
Delta R.T.: 0.000 min
Response: 2145943
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

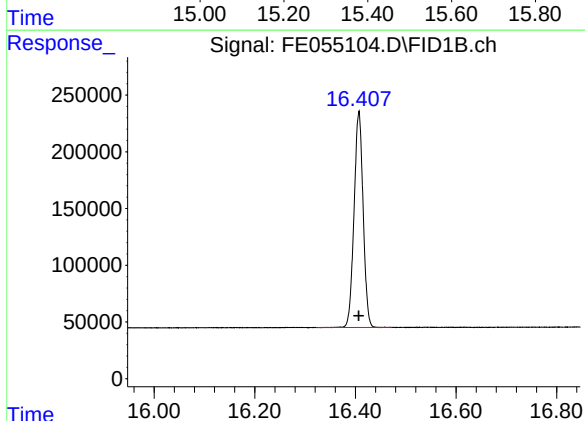
R.T.: 14.277 min
Delta R.T.: 0.000 min
Response: 2436487
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



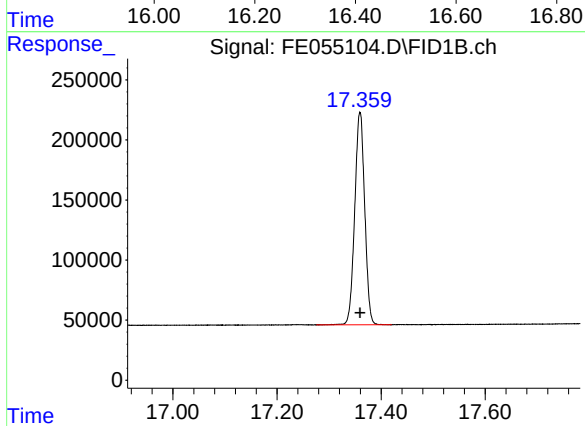
#14 n-Tetracosane (C24)

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



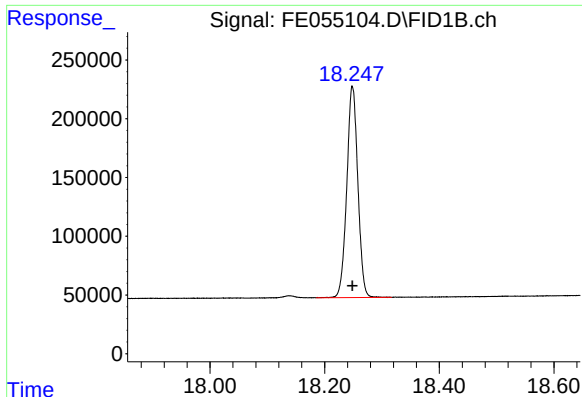
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

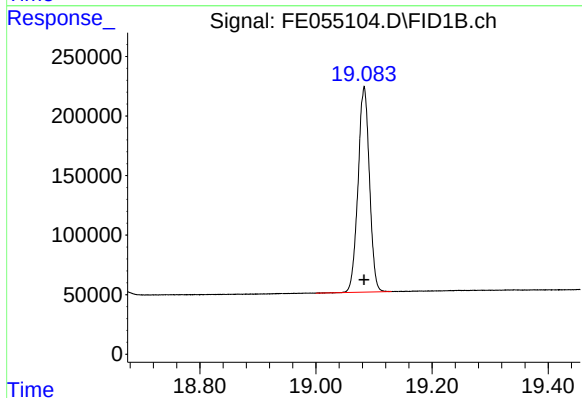
R.T.: 17.359 min
Delta R.T.: 0.000 min
Response: 2354861
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

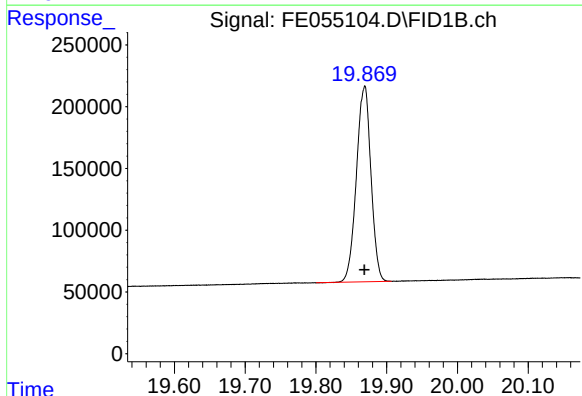
R.T.: 18.249 min
Delta R.T.: 0.000 min
Response: 2413903
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



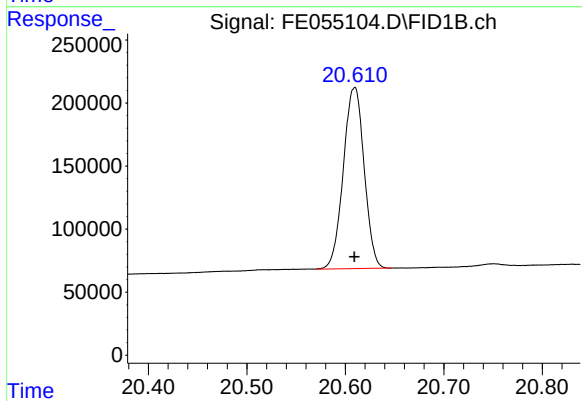
#18 n-Dotriacontane (C32)

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



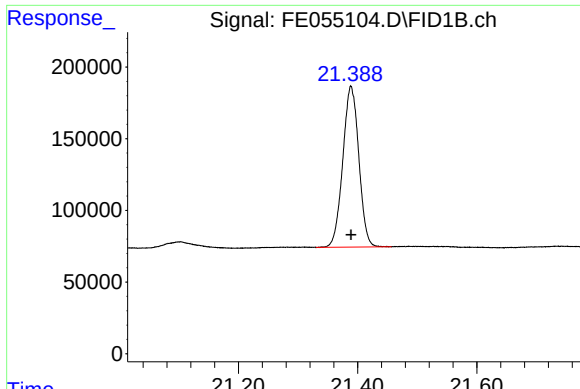
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

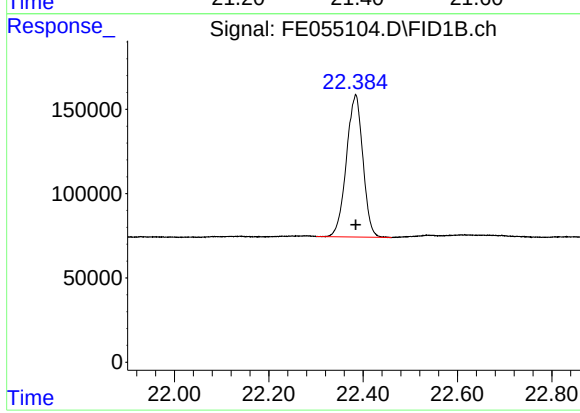
R.T.: 20.609 min
Delta R.T.: 0.000 min
Response: 2110743
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.423	3.392	3.487	BB	231134	2293663	80.54%	4.349%
2	4.682	4.649	4.740	BB	236437	2330344	81.83%	4.419%
3	6.401	6.364	6.484	BB	280151	2685834	94.31%	5.093%
4	6.857	6.825	6.927	BB	241634	2379703	83.56%	4.512%
5	7.502	7.460	7.620	BB	257118	2614202	91.80%	4.957%
6	8.695	8.575	8.792	BB	232754	2443850	85.82%	4.634%
7	10.310	10.270	10.392	BB	233592	2550070	89.55%	4.835%
8	11.759	11.717	11.829	VB	230527	2603047	91.41%	4.936%
9	12.087	12.025	12.142	BB	263143	2847777	100.00%	5.400%
10	13.074	12.992	13.132	BB	218561	2504470	87.94%	4.749%
11	13.522	13.455	13.582	BB	184792	2145943	75.36%	4.069%
12	13.688	13.650	13.754	PB	207585	2458940	86.35%	4.662%
13	14.277	14.210	14.349	BB	202172	2436487	85.56%	4.620%
14	15.383	15.277	15.457	BB	197958	2425424	85.17%	4.599%
15	16.407	16.322	16.472	BB	189955	2384923	83.75%	4.522%
16	17.359	17.275	17.420	BB	176840	2354861	82.69%	4.465%
17	18.249	18.185	18.317	BB	179452	2413903	84.76%	4.577%
18	19.083	19.000	19.130	BB	173090	2353404	82.64%	4.462%
19	19.868	19.800	19.907	BV	158176	2263836	79.49%	4.292%
20	20.609	20.570	20.647	BV	143250	2110743	74.12%	4.002%
21	21.389	21.330	21.457	BB	112406	2094471	73.55%	3.971%
22	22.384	22.300	22.460	BV	84561	2043499	71.76%	3.875%
Sum of corrected areas:						52739394		

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

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

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

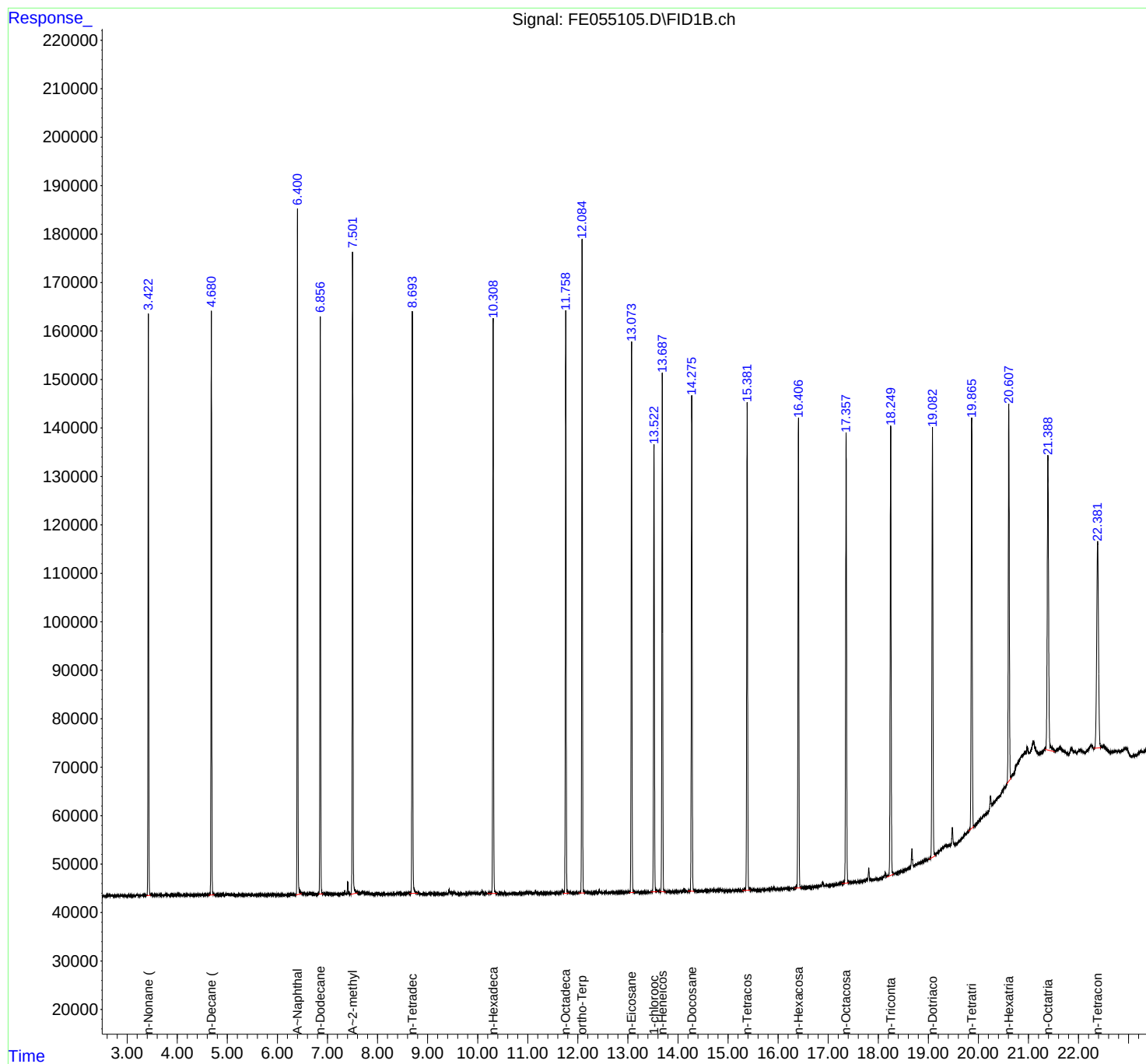
(m)=manual int.

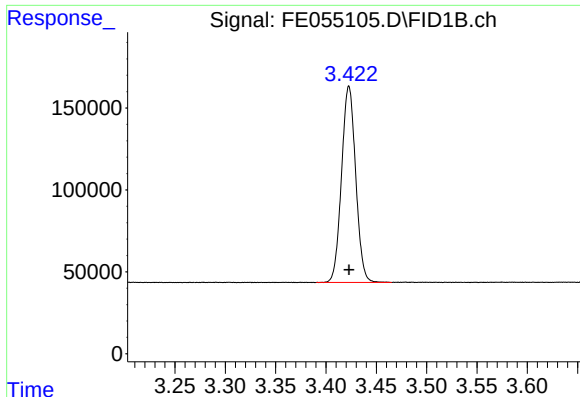
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055105.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:55
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

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

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

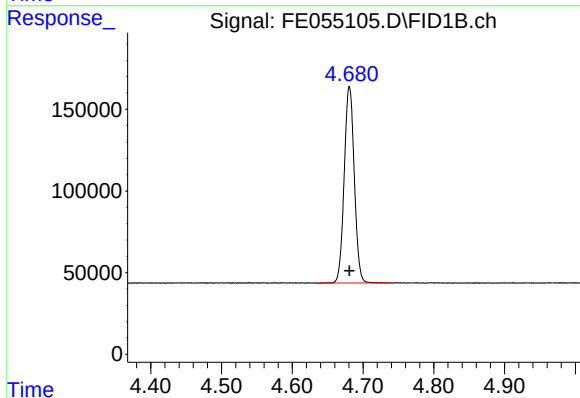




#1 n-Nonane (C9)

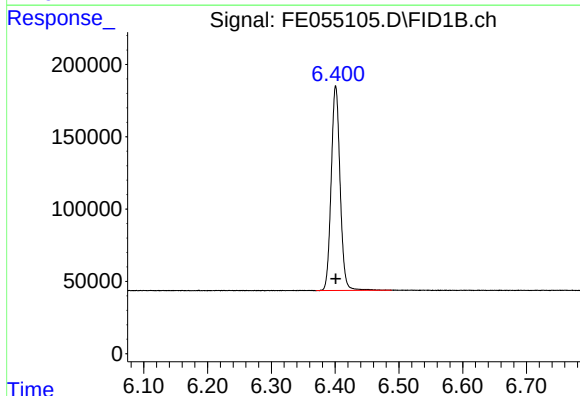
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 1173056
Conc: 10.47 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



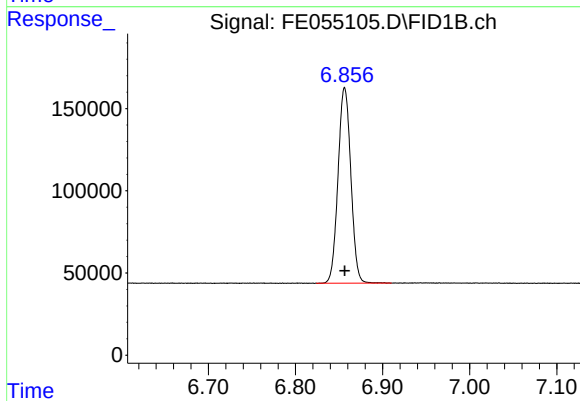
#2 n-Decane (C10)

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



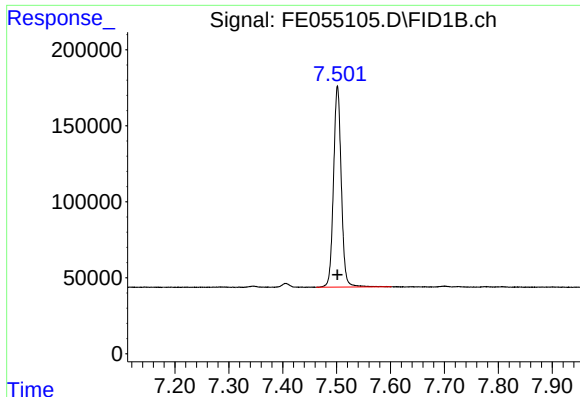
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

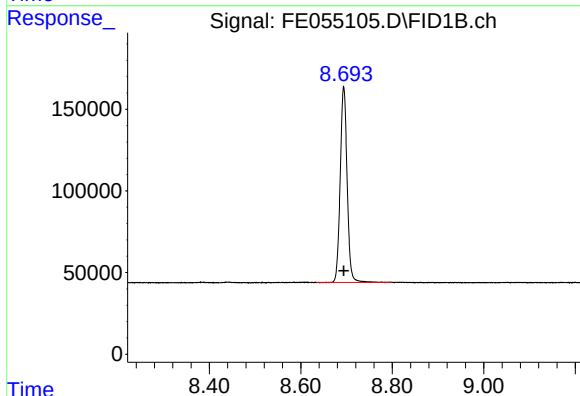
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 1212805
Conc: 10.41 ug/ml



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

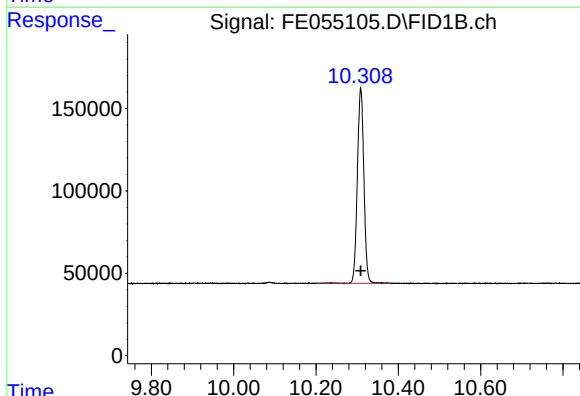
R.T.: 7.502 min
Delta R.T.: 0.000 min
Response: 1327736
Conc: 10.36 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



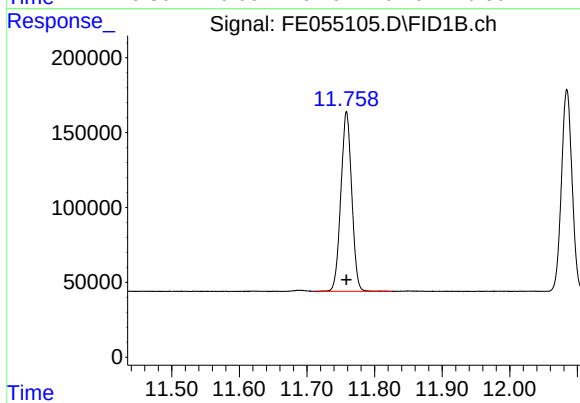
#6 n-Tetradecane (C14)

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



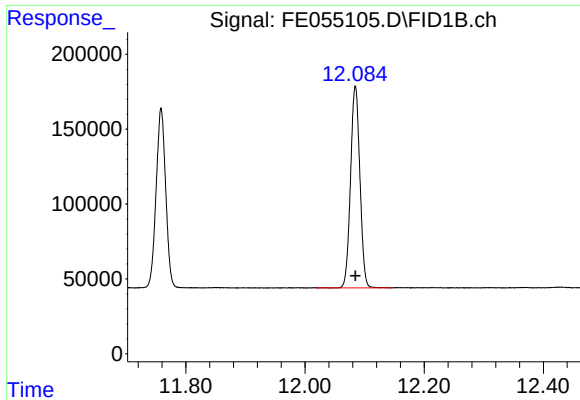
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

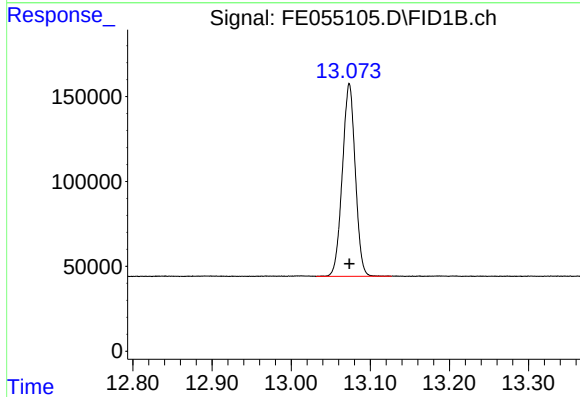
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 1339624
Conc: 10.51 ug/ml



#9 ortho-Terphenyl (SURR)

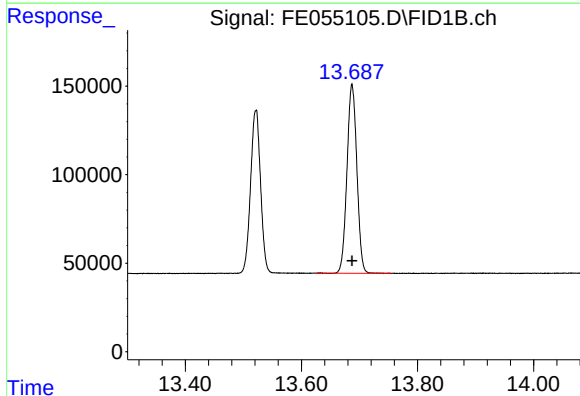
R.T.: 12.085 min
Delta R.T.: 0.000 min
Response: 1465719
Conc: 10.50 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



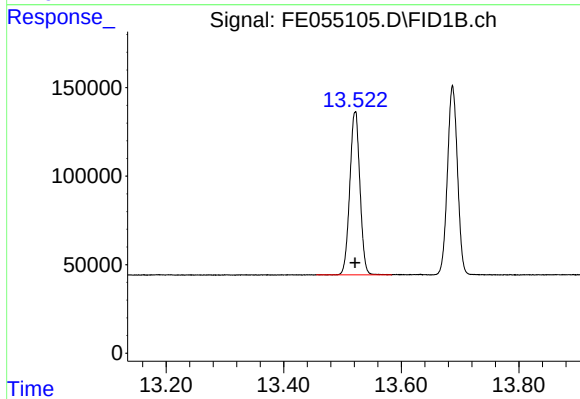
#10 n-Eicosane (C20)

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



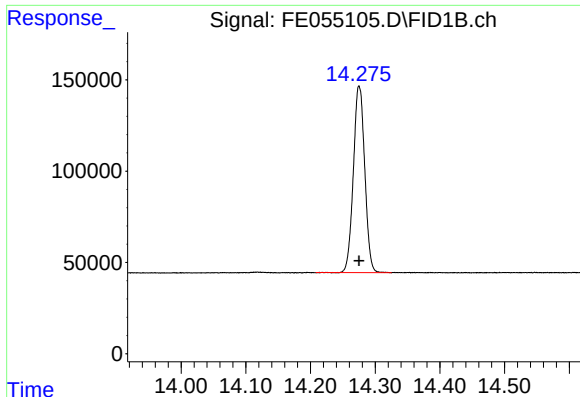
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

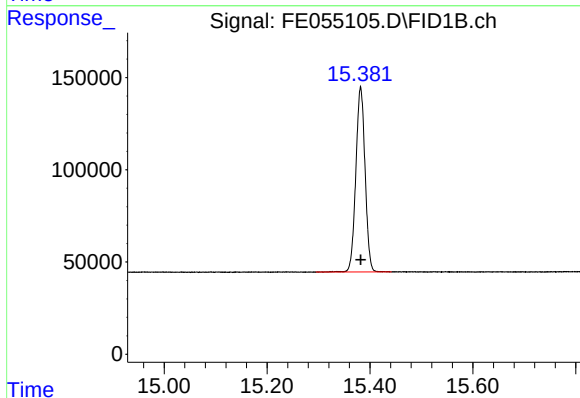
R.T.: 13.521 min
Delta R.T.: 0.000 min
Response: 1101100
Conc: 10.45 ug/ml



#13 n-Docosane (C22)

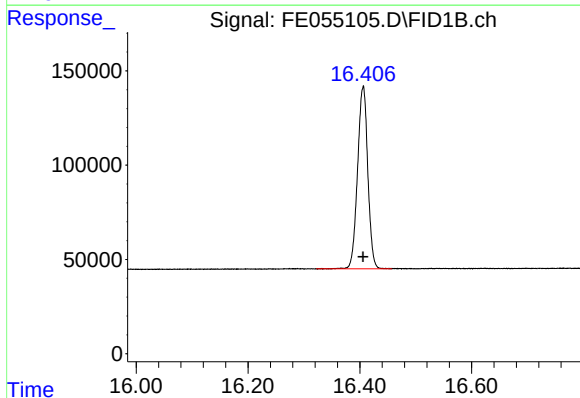
R.T.: 14.275 min
Delta R.T.: 0.000 min
Response: 1252588
Conc: 10.49 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



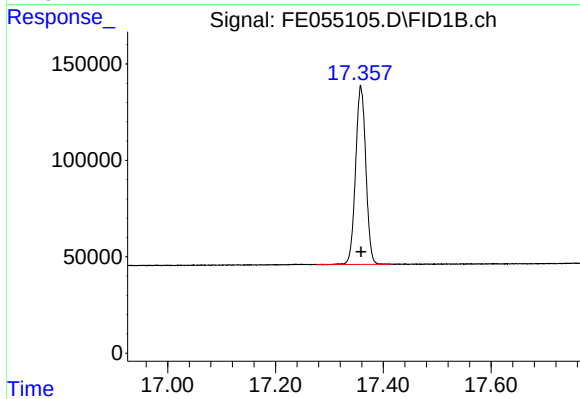
#14 n-Tetracosane (C24)

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



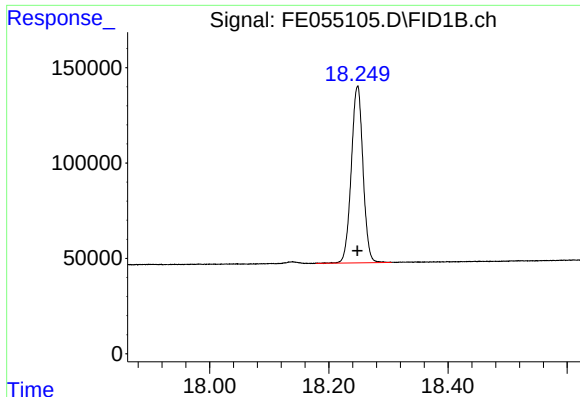
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

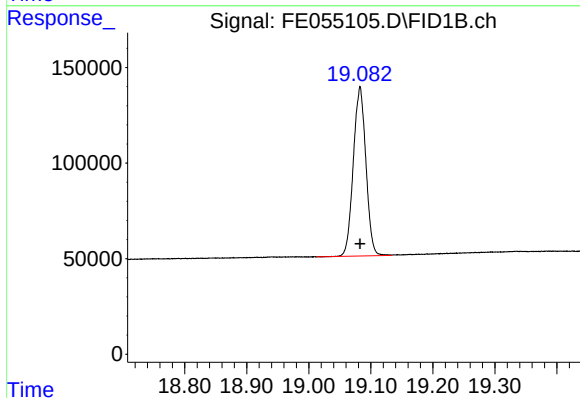
R.T.: 17.358 min
Delta R.T.: 0.000 min
Response: 1218469
Conc: 10.57 ug/ml



#17 n-Tricontane (C30)

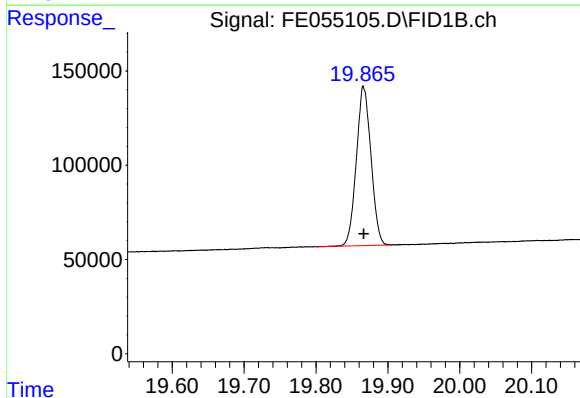
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 1265398
Conc: 10.71 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



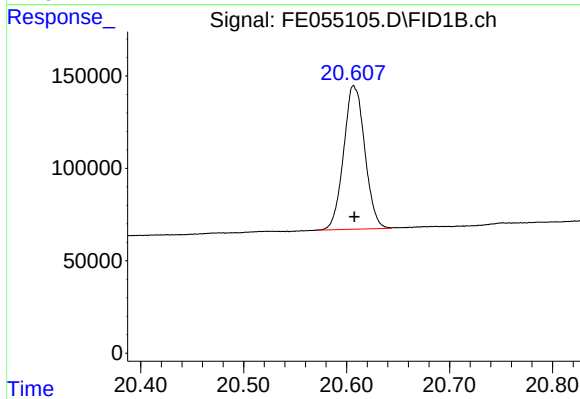
#18 n-Dotriacontane (C32)

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



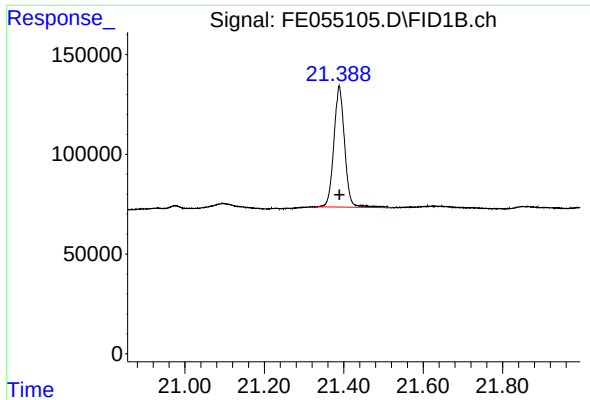
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

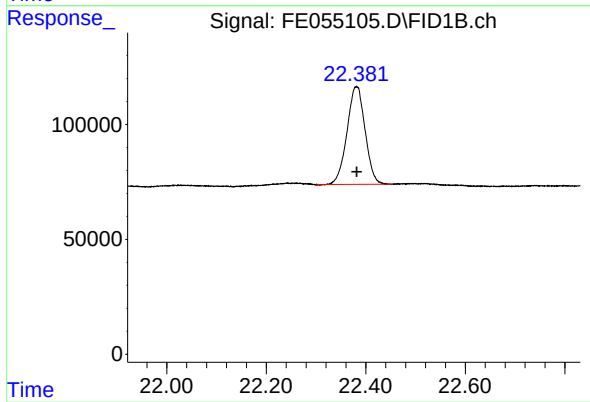
R.T.: 20.607 min
Delta R.T.: 0.000 min
Response: 1108488
Conc: 10.63 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.423	3.390	3.465	BB	120037	1173056	80.03%	4.301%
2	4.681	4.634	4.740	BB	120456	1191456	81.29%	4.369%
3	6.401	6.370	6.489	BB	141579	1371559	93.58%	5.029%
4	6.857	6.824	6.910	BB	118825	1212805	82.74%	4.447%
5	7.502	7.462	7.602	BB	132398	1327736	90.59%	4.868%
6	8.694	8.634	8.799	BB	119873	1256245	85.71%	4.606%
7	10.309	10.200	10.384	BB	118466	1306485	89.14%	4.790%
8	11.759	11.714	11.825	PB	120058	1339624	91.40%	4.912%
9	12.085	12.019	12.145	BB	134862	1465719	100.00%	5.374%
10	13.073	13.032	13.127	PB	113704	1290714	88.06%	4.732%
11	13.521	13.455	13.584	BB	92204	1101100	75.12%	4.037%
12	13.687	13.625	13.755	BB	106777	1263179	86.18%	4.631%
13	14.275	14.209	14.325	BB	102098	1252588	85.46%	4.593%
14	15.382	15.295	15.442	BB	100362	1249742	85.26%	4.582%
15	16.406	16.322	16.457	BB	96333	1228030	83.78%	4.503%
16	17.358	17.275	17.415	BB	91813	1218469	83.13%	4.468%
17	18.248	18.179	18.305	BB	92913	1265398	86.33%	4.640%
18	19.082	19.012	19.134	BV	88439	1247513	85.11%	4.574%
19	19.866	19.800	19.905	BV	83213	1189288	81.14%	4.361%
20	20.607	20.570	20.644	BV	77393	1108488	75.63%	4.064%
21	21.389	21.330	21.520	BB	60713	1141544	77.88%	4.186%
22	22.381	22.300	22.452	BV	42596	1072991	73.21%	3.934%
Sum of corrected areas:						27273728		

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

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

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

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

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.084	778115	5.449 ug/ml
Spiked Amount 50.000		Recovery =	10.90%
12) S 1-chlorooctadecane (S...	13.520	580920	5.403 ug/ml
Spiked Amount 50.000		Recovery =	10.81%
Target Compounds			
1) T n-Nonane (C9)	3.422	629501	5.485 ug/ml
2) T n-Decane (C10)	4.681	632551	5.430 ug/ml
3) T A~Naphthalene (C11.7)	6.401	724982	5.401 ug/ml
4) T n-Dodecane (C12)	6.856	647501	5.437 ug/ml
5) T A~2-methylnaphthalene...	7.501	697536	5.350 ug/ml
6) T n-Tetradecane (C14)	8.694	677397	5.525 ug/ml
7) T n-Hexadecane (C16)	10.308	701326	5.486 ug/ml
8) T n-Octadecane (C18)	11.758	713273	5.467 ug/ml
10) T n-Eicosane (C20)	13.072	684201	5.453 ug/ml
11) T n-Heneicosane (C21)	13.686	674909	5.475 ug/ml
13) T n-Docosane (C22)	14.275	665279	5.448 ug/ml
14) T n-Tetracosane (C24)	15.382	666101	5.476 ug/ml
15) T n-Hexacosane (C26)	16.405	654109	5.467 ug/ml
16) T n-Octacosane (C28)	17.357	659989	5.564 ug/ml
17) T n-Tricontane (C30)	18.248	712384	5.789 ug/ml
18) T n-Dotriacontane (C32)	19.081	732022	6.000 ug/ml
19) T n-Tetratriacontane (C34)	19.867	697694	5.967 ug/ml
20) T n-Hexatriacontane (C36)	20.608	646626	5.916 ug/ml
21) T n-Octatriacontane (C38)	21.390	620578	5.742 ug/ml
22) T n-Tetracontane (C40)	22.381	588826	5.631 ug/ml

(f)=RT Delta > 1/2 Window

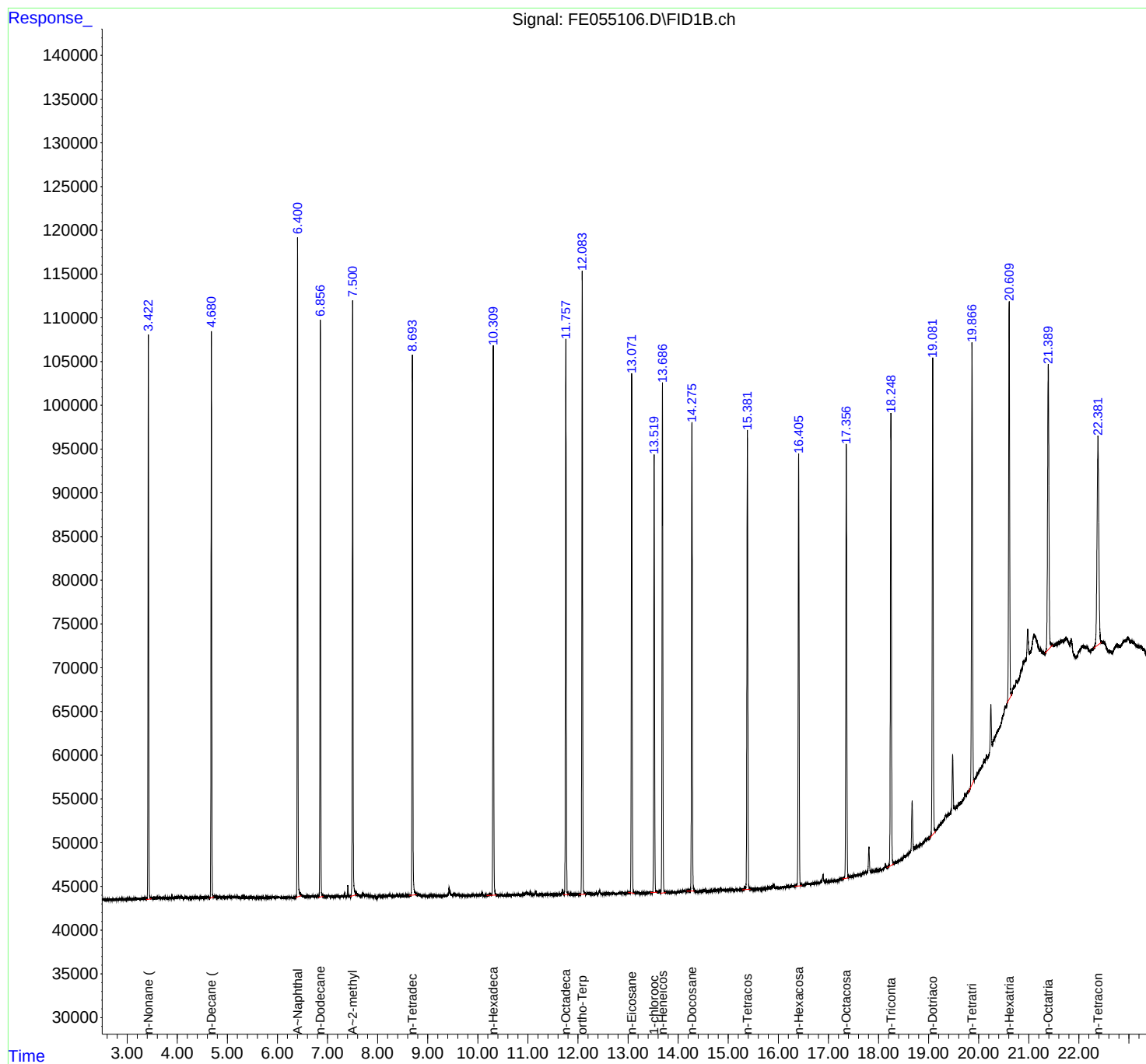
(m)=manual int.

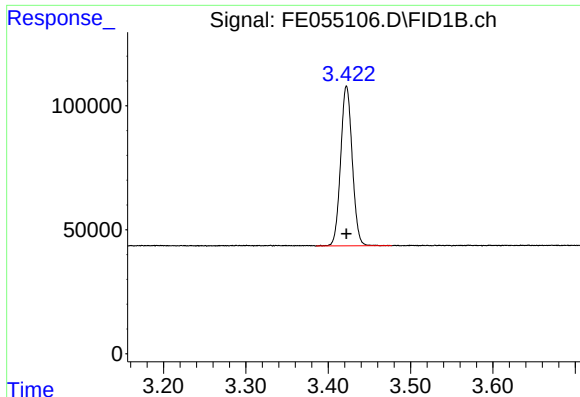
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055106.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:25
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

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

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

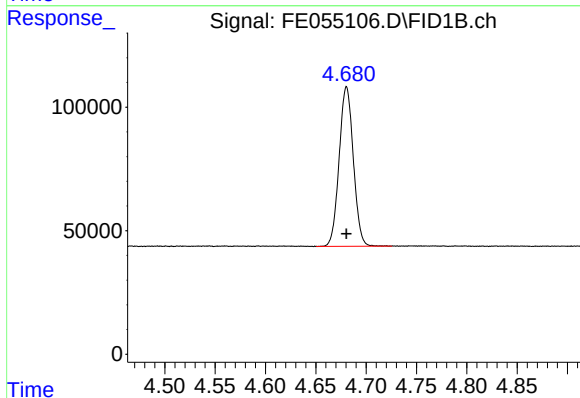




#1 n-Nonane (C9)

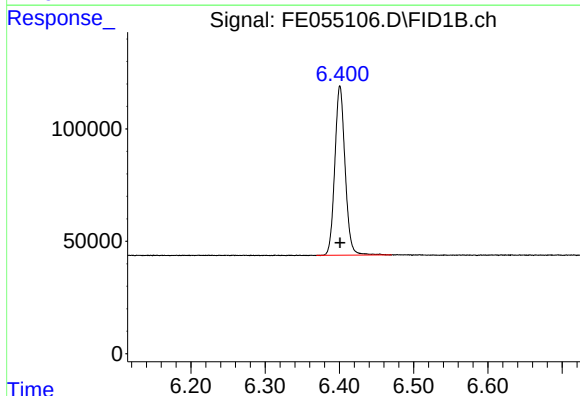
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 629501
Conc: 5.48 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



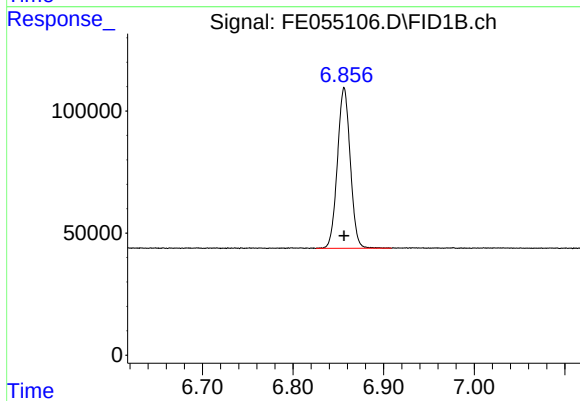
#2 n-Decane (C10)

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



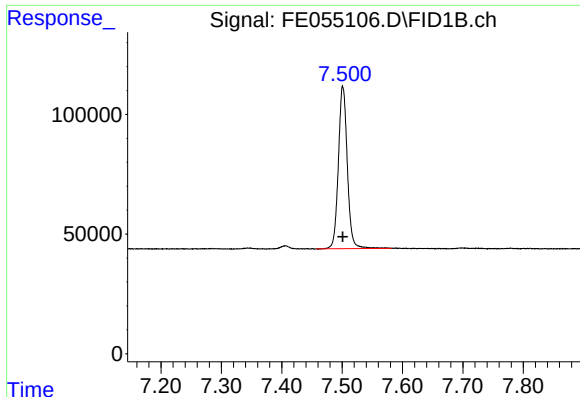
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

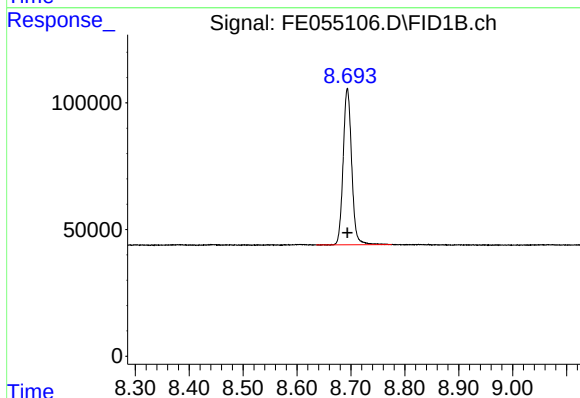
R.T.: 6.856 min
Delta R.T.: 0.000 min
Response: 647501
Conc: 5.44 ug/ml



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

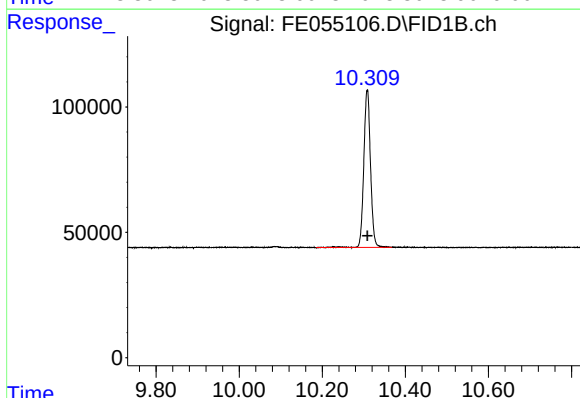
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 697536
Conc: 5.35 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



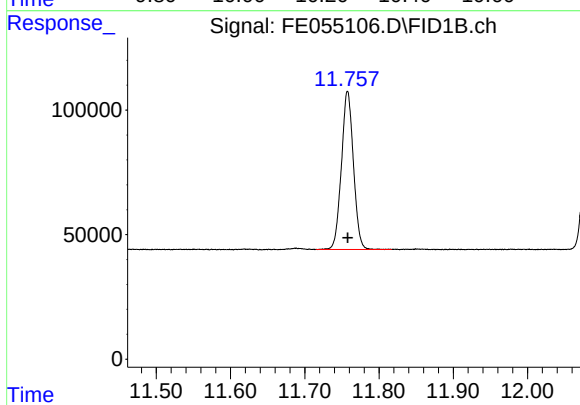
#6 n-Tetradecane (C14)

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



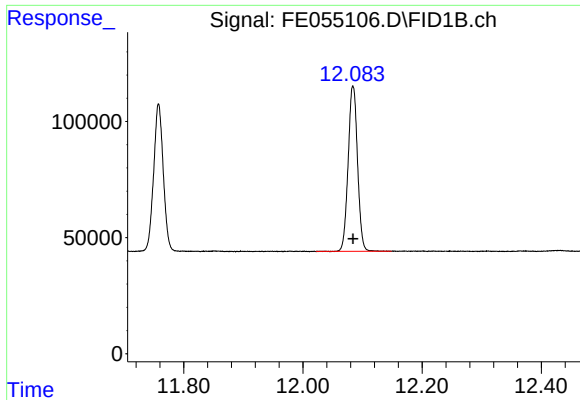
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

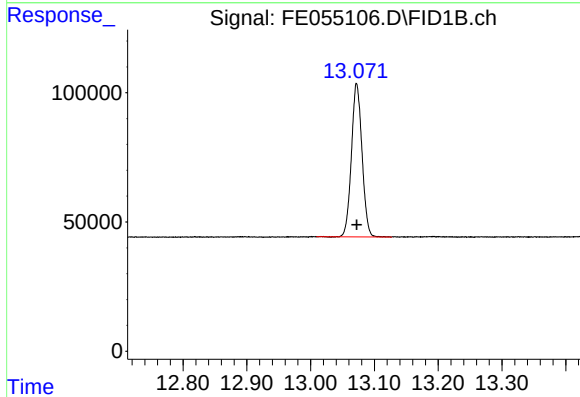
R.T.: 11.758 min
Delta R.T.: 0.000 min
Response: 713273
Conc: 5.47 ug/ml



#9 ortho-Terphenyl (SURR)

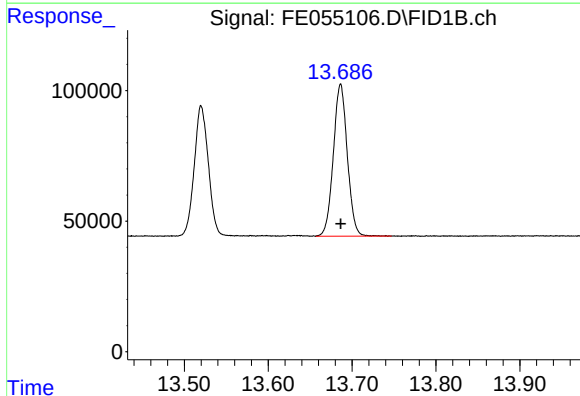
R.T.: 12.084 min
Delta R.T.: 0.000 min
Response: 778115
Conc: 5.45 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



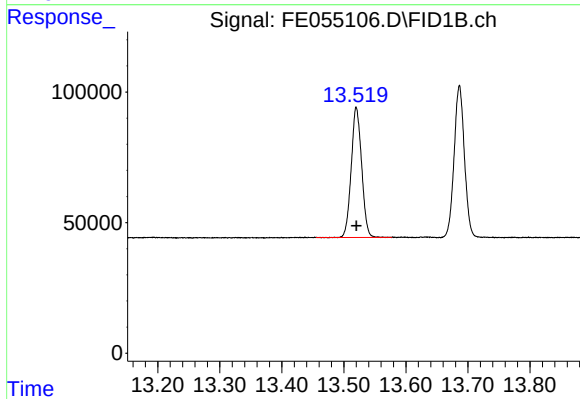
#10 n-Eicosane (C20)

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



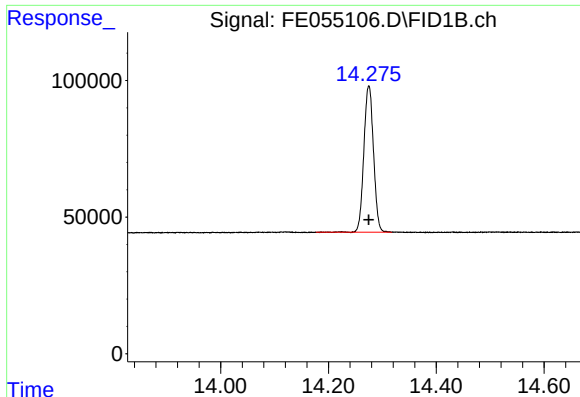
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

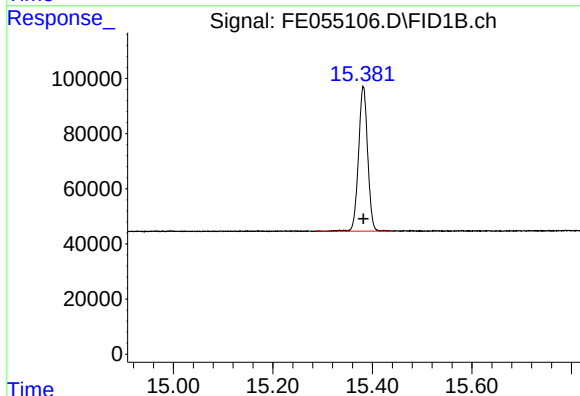
R.T.: 13.520 min
Delta R.T.: 0.000 min
Response: 580920
Conc: 5.40 ug/ml



#13 n-Docosane (C22)

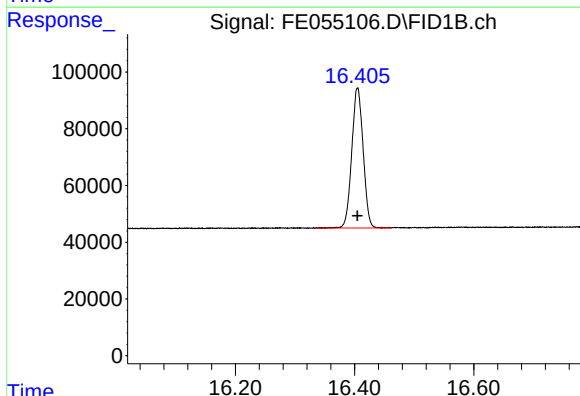
R.T.: 14.275 min
Delta R.T.: 0.000 min
Response: 665279
Conc: 5.45 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



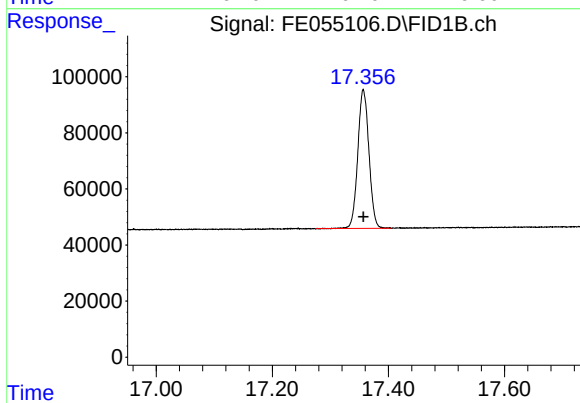
#14 n-Tetracosane (C24)

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



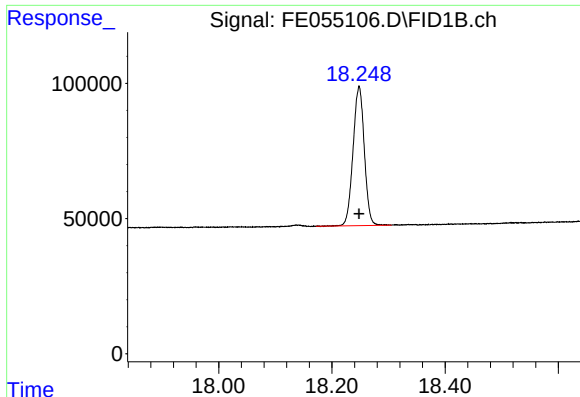
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

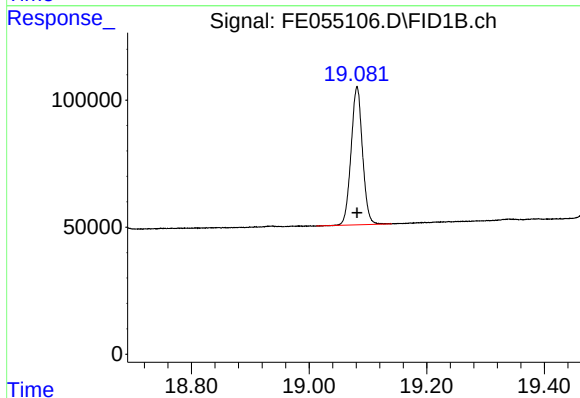
R.T.: 17.357 min
Delta R.T.: 0.000 min
Response: 659989
Conc: 5.56 ug/ml



#17 n-Tricontane (C30)

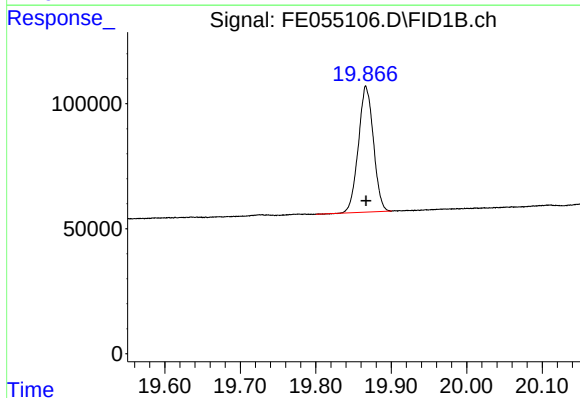
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 712384
Conc: 5.79 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



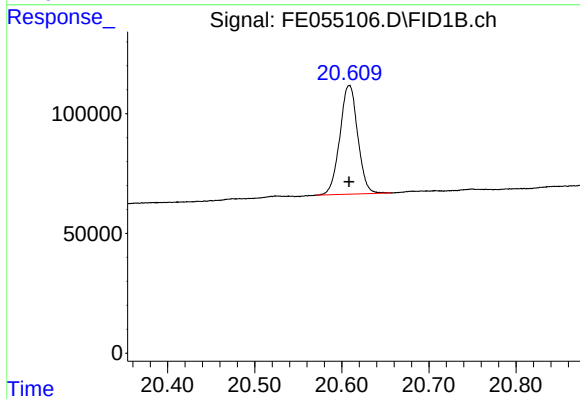
#18 n-Dotriacontane (C32)

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



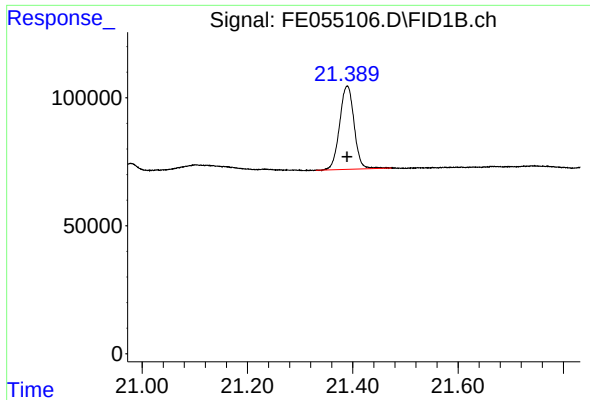
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

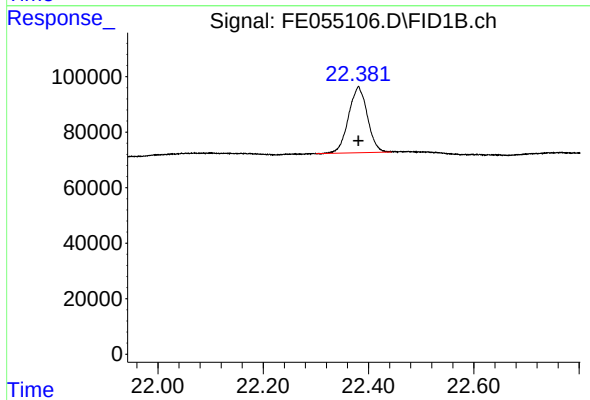
R.T.: 20.608 min
Delta R.T.: 0.000 min
Response: 646626
Conc: 5.92 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.422	3.385	3.477	BB	64431	629501	80.90%	4.257%
2	4.681	4.650	4.725	BB	64621	632551	81.29%	4.278%
3	6.401	6.369	6.470	BB	75358	724982	93.17%	4.903%
4	6.856	6.825	6.909	BB	65928	647501	83.21%	4.379%
5	7.501	7.457	7.582	BB	67243	697536	89.64%	4.718%
6	8.694	8.635	8.775	BB	61673	677397	87.06%	4.581%
7	10.308	10.185	10.367	BB	62824	701326	90.13%	4.743%
8	11.758	11.715	11.817	BB	63586	713273	91.67%	4.824%
9	12.084	12.022	12.149	BB	71185	778115	100.00%	5.263%
10	13.072	13.009	13.127	BB	59302	684201	87.93%	4.627%
11	13.520	13.455	13.577	BB	49645	580920	74.66%	3.929%
12	13.686	13.657	13.747	BB	58559	674909	86.74%	4.565%
13	14.275	14.177	14.317	BB	53685	665279	85.50%	4.499%
14	15.382	15.287	15.439	BB	52255	666101	85.60%	4.505%
15	16.405	16.335	16.462	BB	49309	654109	84.06%	4.424%
16	17.357	17.275	17.405	BB	49399	659989	84.82%	4.464%
17	18.248	18.172	18.305	BB	51763	712384	91.55%	4.818%
18	19.082	19.012	19.140	BB	54579	732022	94.08%	4.951%
19	19.867	19.800	19.900	BB	49987	697694	89.66%	4.719%
20	20.608	20.570	20.657	BV	45351	646626	83.10%	4.373%
21	21.390	21.330	21.474	BB	32525	620578	79.75%	4.197%
22	22.381	22.300	22.444	BB	23828	588826	75.67%	3.982%
Sum of corrected areas:						14785819		

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

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

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

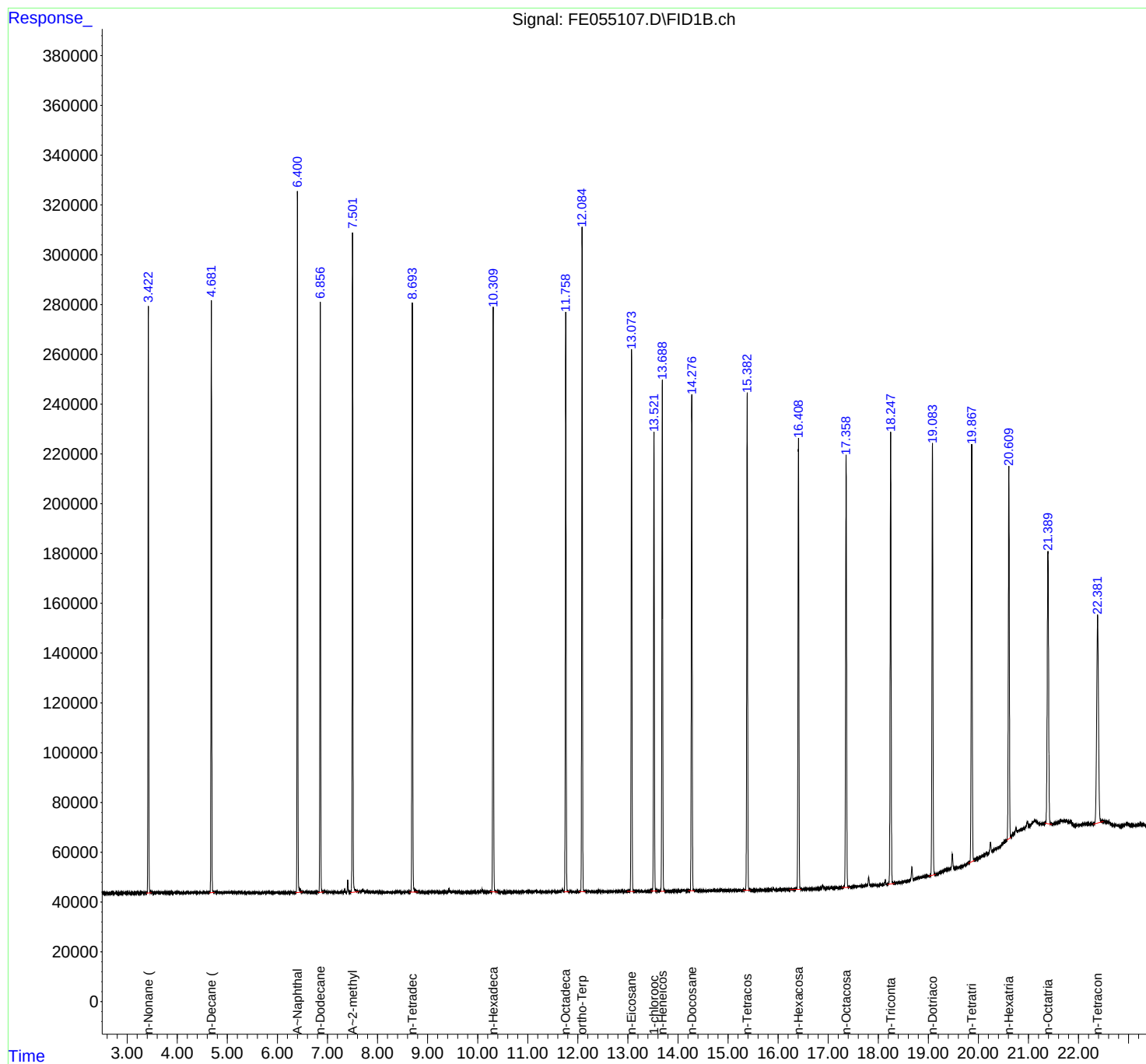
(m)=manual int.

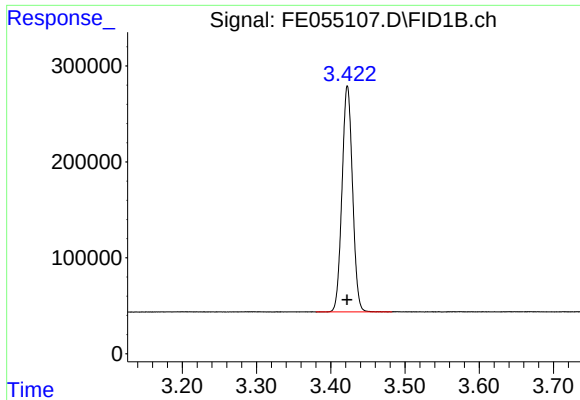
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055107.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:55
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

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

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

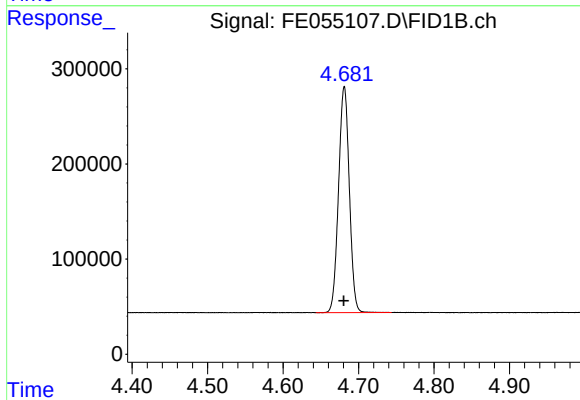




#1 n-Nonane (C9)

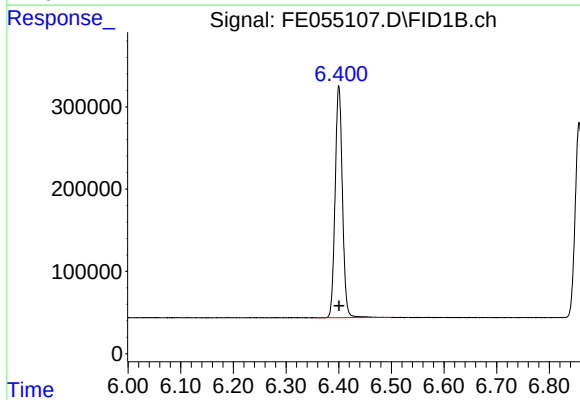
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 2320492
Conc: 20.22 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



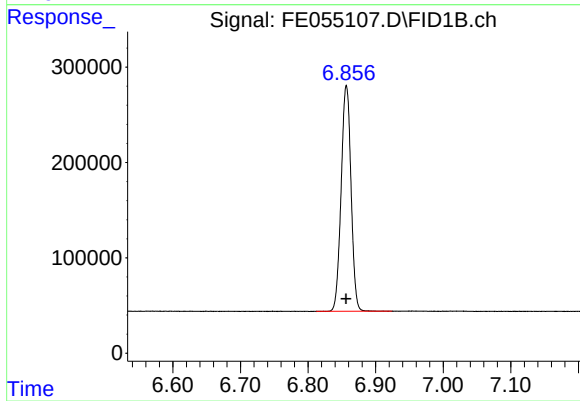
#2 n-Decane (C10)

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



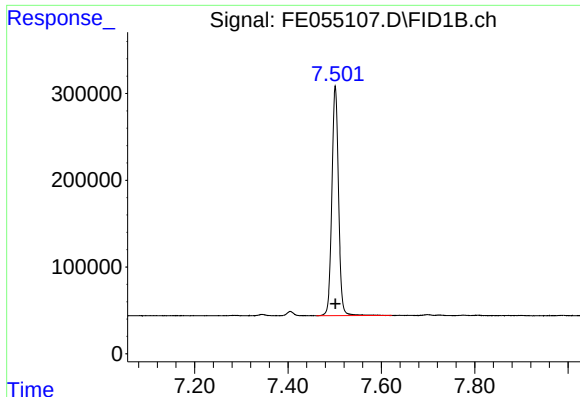
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

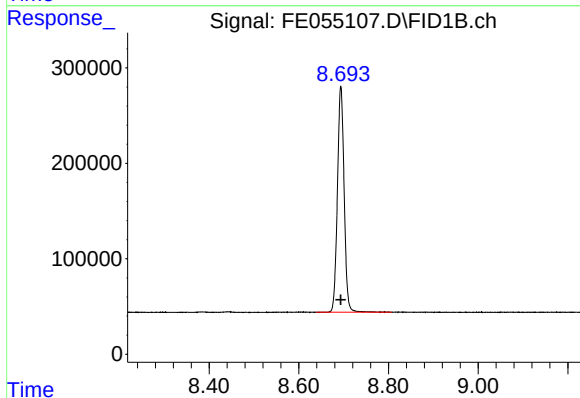
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 2407946
Conc: 20.22 ug/ml



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

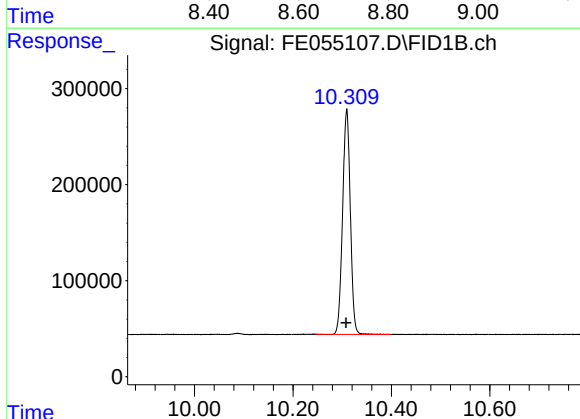
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 2636139
Conc: 20.22 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



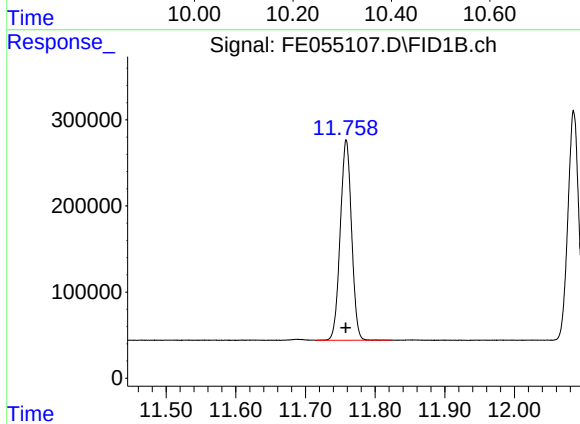
#6 n-Tetradecane (C14)

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



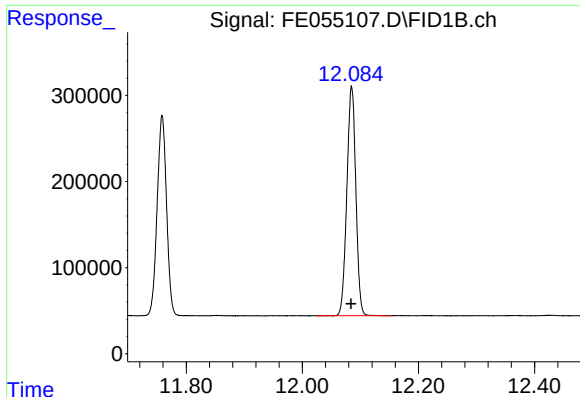
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

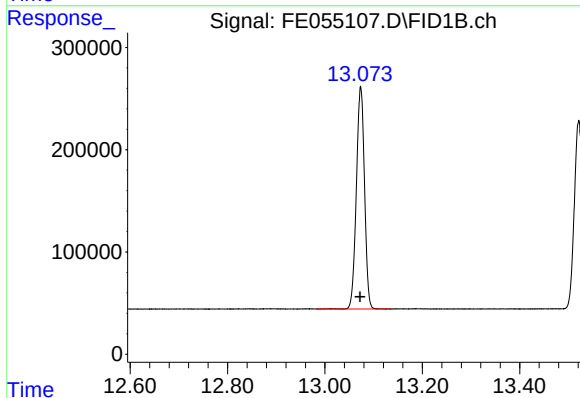
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 2619955
Conc: 20.08 ug/ml



#9 ortho-Terphenyl (SURR)

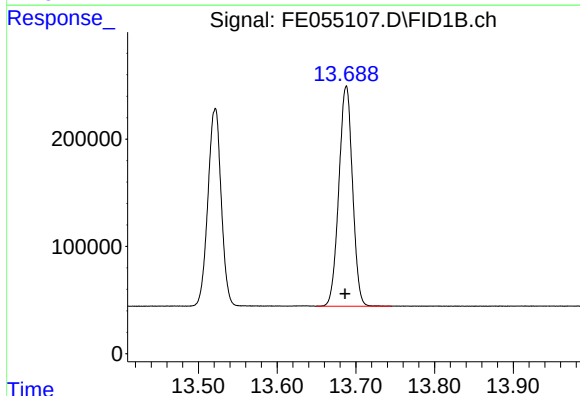
R.T.: 12.085 min
Delta R.T.: 0.000 min
Response: 2866726
Conc: 20.07 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



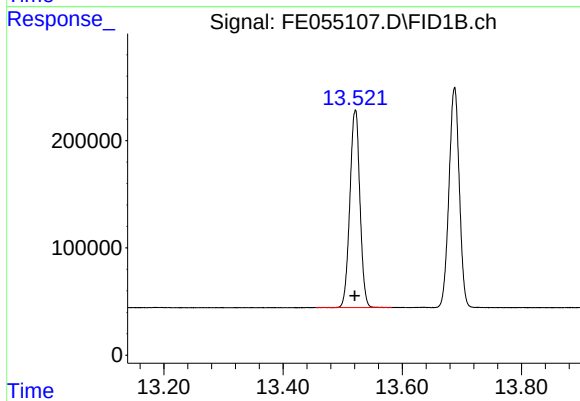
#10 n-Eicosane (C20)

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



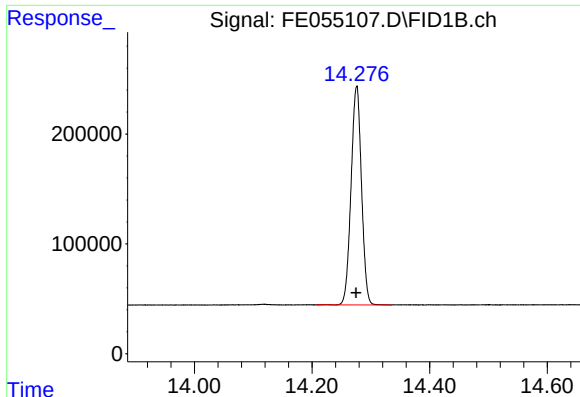
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

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



#13 n-Docosane (C22)

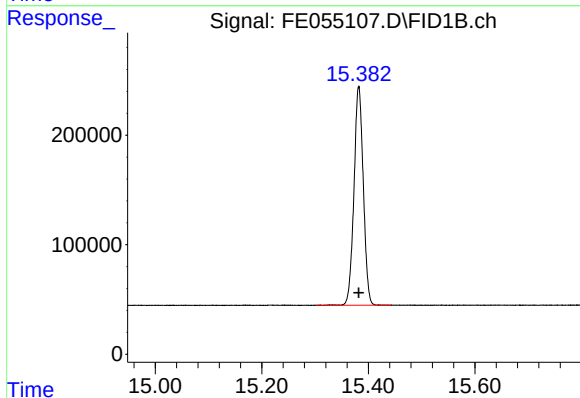
R.T.: 14.276 min
Delta R.T.: 0.000 min
Response: 2448476
Conc: 20.05 ug/ml

Instrument :

FID_E

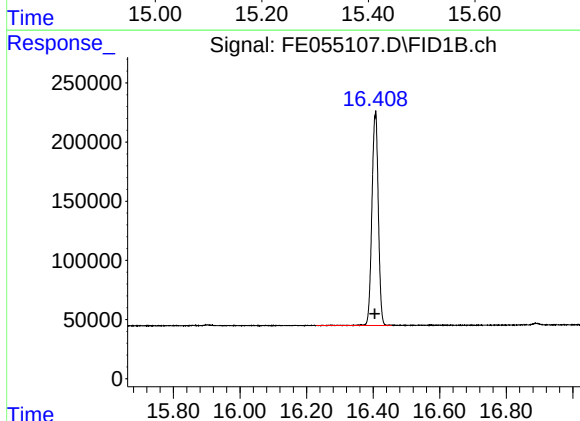
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



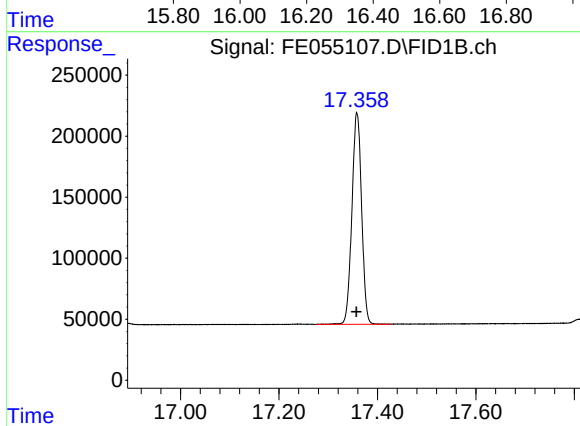
#14 n-Tetracosane (C24)

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



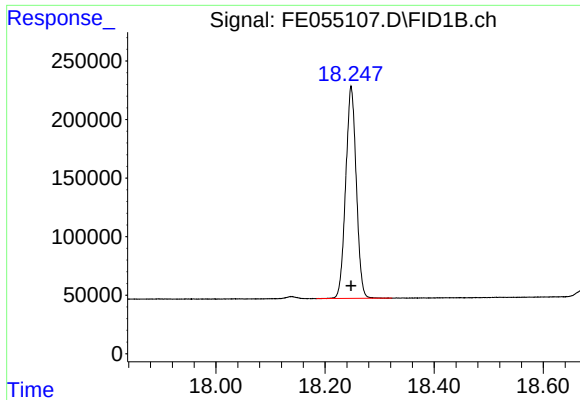
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

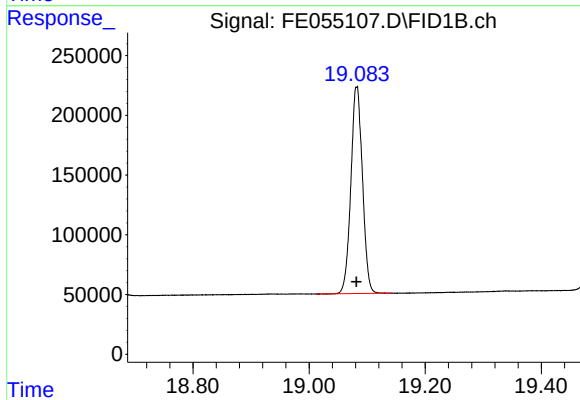
R.T.: 17.359 min
Delta R.T.: 0.002 min
Response: 2370324
Conc: 19.98 ug/ml



#17 n-Tricontane (C30)

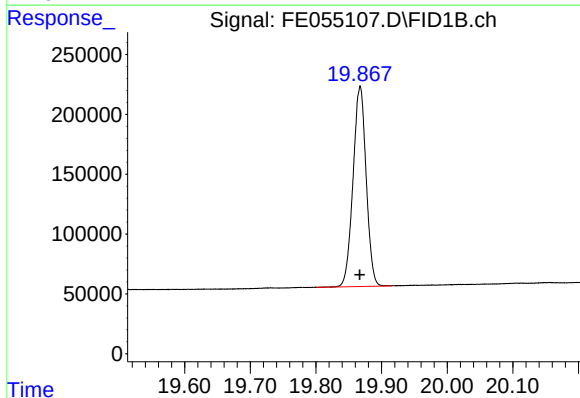
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 2441052
Conc: 19.84 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



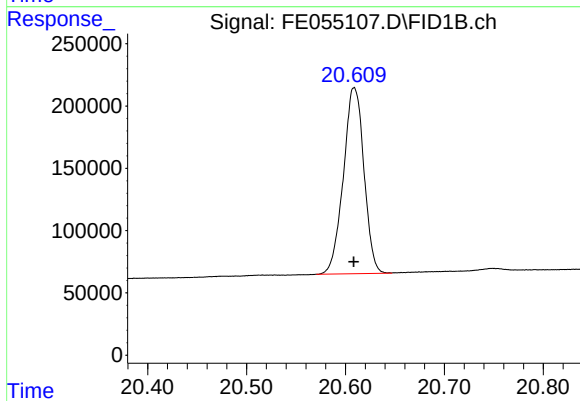
#18 n-Dotriacontane (C32)

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



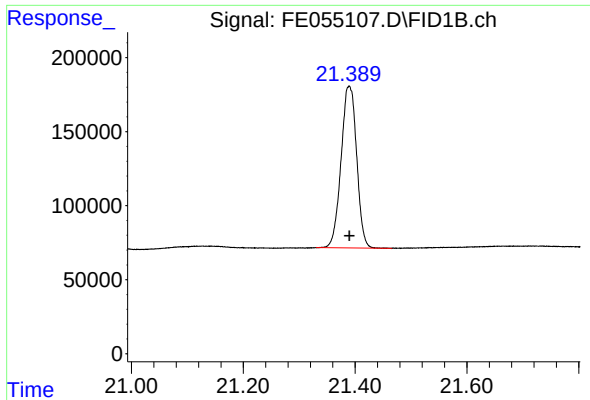
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

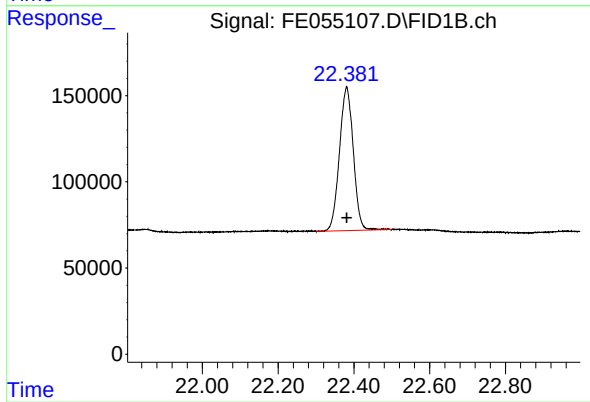
R.T.: 20.609 min
Delta R.T.: 0.000 min
Response: 2160075
Conc: 19.76 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.423	3.380	3.482	BB	235935	2320492	80.95%	4.354%
2	4.681	4.644	4.744	BB	237548	2357337	82.23%	4.423%
3	6.400	6.357	6.500	BB	281367	2711551	94.59%	5.088%
4	6.857	6.812	6.924	BB	236802	2407946	84.00%	4.518%
5	7.501	7.460	7.622	BB	264419	2636139	91.96%	4.947%
6	8.694	8.639	8.807	BB	236777	2463791	85.94%	4.623%
7	10.309	10.247	10.400	BB	233401	2561685	89.36%	4.807%
8	11.759	11.715	11.824	PB	232814	2619955	91.39%	4.916%
9	12.085	12.024	12.154	BB	265468	2866726	100.00%	5.379%
10	13.074	12.982	13.137	BB	216764	2518489	87.85%	4.726%
11	13.521	13.455	13.582	BB	183371	2156193	75.21%	4.046%
12	13.688	13.650	13.745	PB	204951	2473384	86.28%	4.641%
13	14.276	14.207	14.335	BB	198948	2448476	85.41%	4.594%
14	15.382	15.302	15.444	BB	199328	2433764	84.90%	4.567%
15	16.407	16.229	16.455	BB	178966	2397717	83.64%	4.499%
16	17.359	17.275	17.429	BB	172737	2370324	82.68%	4.448%
17	18.248	18.184	18.322	BB	180187	2441052	85.15%	4.580%
18	19.082	19.012	19.142	BB	172722	2401932	83.79%	4.507%
19	19.867	19.800	19.915	BV	167321	2323225	81.04%	4.359%
20	20.609	20.570	20.647	BV	149142	2160075	75.35%	4.053%
21	21.390	21.330	21.465	BB	109229	2112729	73.70%	3.964%
22	22.381	22.300	22.500	BBA	83572	2109848	73.60%	3.959%
Sum of corrected areas:						53292830		

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

Continuing Calibration Report for SequenceID : FE082025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE055404.D

Aliphatic C9-C12	6808628.000	60.000	3.321	6.956	113477.133	116782.597	2.830
Aliphatic C12-C16	4917613.000	40.000	6.957	10.409	122940.325	125227.070	1.826
Aliphatic C16-C21	7724195.000	60.000	10.410	13.790	128736.583	126404.887	-1.845
Aliphatic C21-C28	9827088.000	80.000	13.791	17.463	122838.600	120505.719	-1.936
Aliphatic C28-C40	14229532.000	120.000	17.464	22.490	118579.433	113987.195	-4.029
Aliphatic EPH	43507056.000	360.000	3.321	22.490	120852.933	119220.147	-1.370

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	20 Aug 2025 11:32
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055404.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.321	6.956	6808628.000	60.000	ug/ml
Aliphatic C12-C16	6.957	10.409	4917613.000	40.000	ug/ml
Aliphatic C16-C21	10.410	13.790	7724195.000	60.000	ug/ml
Aliphatic C21-C28	13.791	17.463	9827088.000	80.000	ug/ml
Aliphatic C28-C40	17.464	22.490	14229532.000	120.000	ug/ml
Aliphatic EPH	3.321	22.490	43507056.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
 Data File : FE055404.D
 Signal(s) : FID1B.ch
 Acq On : 20 Aug 2025 11:32
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Aug 21 01:17:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.083	2892439	20.255 ug/ml
Spiked Amount 50.000		Recovery =	40.51%
12) S 1-chlorooctadecane (S...	13.521	2210415	20.557 ug/ml
Spiked Amount 50.000		Recovery =	41.11%
Target Compounds			
1) T n-Nonane (C9)	3.420	2198860	19.159 ug/ml
2) T n-Decane (C10)	4.678	2267878	19.467 ug/ml
3) T A~Naphthalene (C11.7)	6.398	2616541	19.493 ug/ml
4) T n-Dodecane (C12)	6.854	2341890	19.666 ug/ml
5) T A~2-methylnaphthalene...	7.500	2553362	19.584 ug/ml
6) T n-Tetradecane (C14)	8.692	2389097	19.485 ug/ml
7) T n-Hexadecane (C16)	10.307	2528516	19.778 ug/ml
8) T n-Octadecane (C18)	11.757	2645211	20.274 ug/ml
10) T n-Eicosane (C20)	13.072	2562022	20.419 ug/ml
11) T n-Heneicosane (C21)	13.686	2516962	20.419 ug/ml
13) T n-Docosane (C22)	14.276	2496752	20.445 ug/ml
14) T n-Tetracosane (C24)	15.382	2473052	20.332 ug/ml
15) T n-Hexacosane (C26)	16.406	2427630	20.290 ug/ml
16) T n-Octacosane (C28)	17.359	2429654	20.482 ug/ml
17) T n-Tricontane (C30)	18.249	2565605	20.850 ug/ml
18) T n-Dotriacontane (C32)	19.084	2597298	21.287 ug/ml
19) T n-Tetratriacontane (C34)	19.869	2512088	21.486 ug/ml
20) T n-Hexatriacontane (C36)	20.611	2331053	21.327 ug/ml
21) T n-Octatriacontane (C38)	21.390	2139823	19.800 ug/ml
22) T n-Tetracontane (C40)	22.383	2083665	19.925 ug/ml

(f)=RT Delta > 1/2 Window

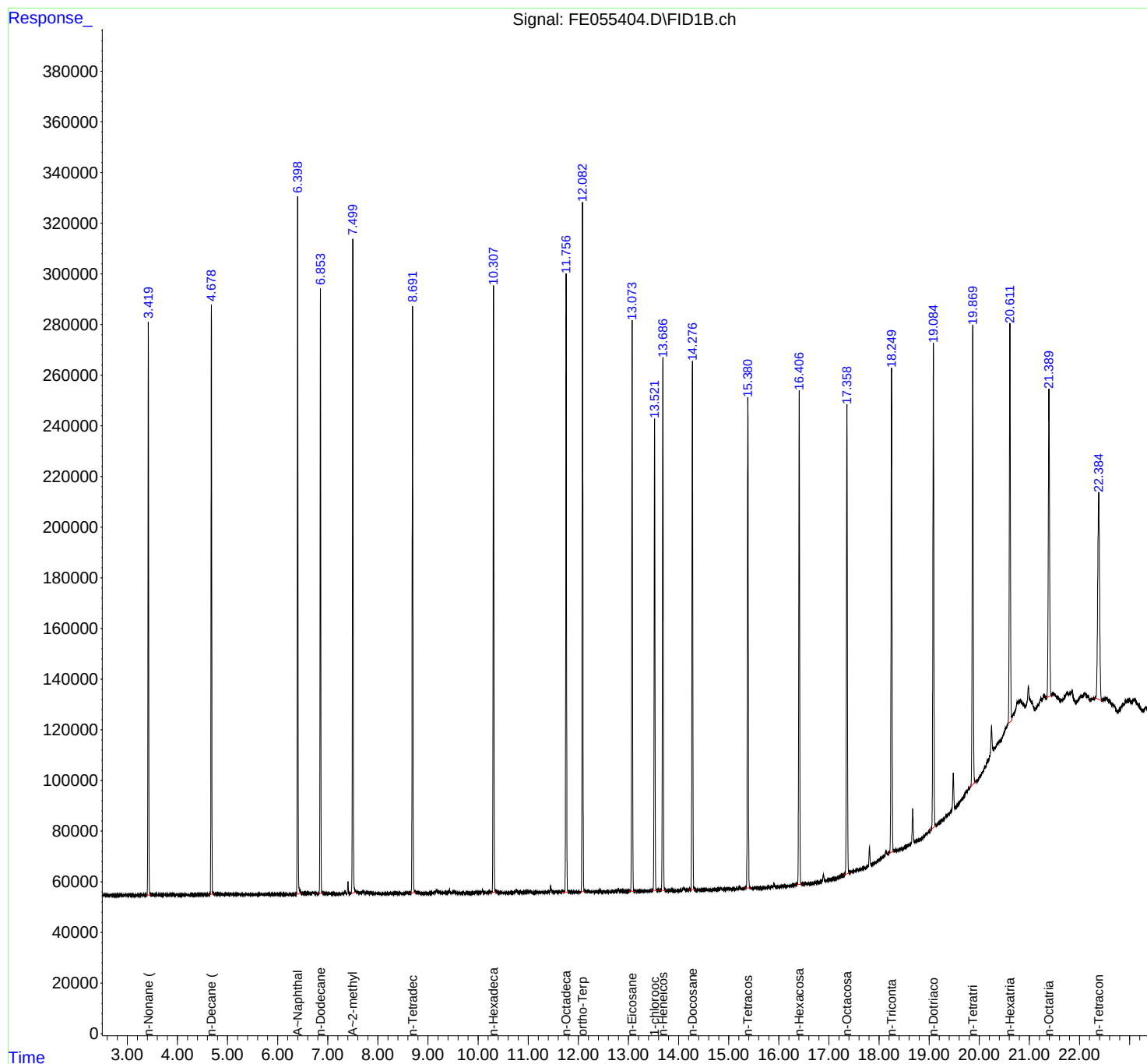
(m)=manual int.

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
Data File : FE055404.D
Signal(s) : FID1B.ch
Acq On    : 20 Aug 2025  11:32
Operator  : YP\AJ
Sample    : 20 PPM ALIPHATIC HC STD
Misc      :
ALS Vial  : 2    Sample Multiplier: 1
```

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 21 01:17:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
 Data File : FE055404.D
 Signal(s) : FID1B.ch
 Acq On : 20 Aug 2025 11:32
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.420	3.384	3.469	BB	225448	2198860	76.02%	4.070%
2	4.678	4.645	4.724	BB	232869	2267878	78.41%	4.197%
3	6.398	6.367	6.470	BB	274766	2616541	90.46%	4.843%
4	6.854	6.814	6.900	BB	238768	2341890	80.97%	4.334%
5	7.500	7.464	7.565	BB	257388	2553362	88.28%	4.726%
6	8.692	8.647	8.745	BB	231512	2389097	82.60%	4.422%
7	10.307	10.265	10.357	BB	239800	2528516	87.42%	4.680%
8	11.757	11.660	11.802	BB	244084	2645211	91.45%	4.896%
9	12.083	12.044	12.125	BB	270589	2892439	100.00%	5.353%
10	13.072	13.014	13.124	BB	223720	2562022	88.58%	4.742%
11	13.521	13.472	13.572	BB	186102	2210415	76.42%	4.091%
12	13.686	13.625	13.742	BB	211180	2516962	87.02%	4.658%
13	14.276	14.210	14.335	BB	206651	2496752	86.32%	4.621%
14	15.382	15.324	15.435	BB	192891	2473052	85.50%	4.577%
15	16.406	16.342	16.454	BB	195073	2429979	84.01%	4.498%
16	17.359	17.297	17.419	BB	185322	2427953	83.94%	4.494%
17	18.249	18.179	18.299	BB	190791	2565605	88.70%	4.749%
18	19.084	18.892	19.132	BB	191485	2608225	90.17%	4.827%
19	19.869	19.537	19.940	BB	180082	2678340	92.60%	4.957%
20	20.611	20.557	20.663	M	157252	2322777	80.31%	4.299%
21	21.389	21.352	21.447	M	121604	2144731	74.15%	3.970%
22	22.383	22.228	22.442	BV	82695	2158942	74.64%	3.996%
Sum of corrected areas:							54029551	

Aliphatic EPH 080125.M Thu Aug 21 02:11:55 2025

Continuing Calibration Report for SequenceID : FE082025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE055416.D

Aliphatic C9-C12	6775879.000	60.000	3.321	6.956	112931.317	116782.597	3.298
Aliphatic C12-C16	4891200.000	40.000	6.957	10.409	122280.000	125227.070	2.353
Aliphatic C16-C21	7720477.000	60.000	10.410	13.790	128674.617	126404.887	-1.796
Aliphatic C21-C28	9966576.000	80.000	13.791	17.463	124582.200	120505.719	-3.383
Aliphatic C28-C40	15774740.000	120.000	17.464	22.490	131456.167	113987.195	-15.325
Aliphatic EPH	45128872.000	360.000	3.321	22.490	125357.978	119220.147	-5.148

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	20 Aug 2025 18:06
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055416.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.321	6.956	6775879.000	60.000	ug/ml
Aliphatic C12-C16	6.957	10.409	4891200.000	40.000	ug/ml
Aliphatic C16-C21	10.410	13.790	7720477.000	60.000	ug/ml
Aliphatic C21-C28	13.791	17.463	9966576.000	80.000	ug/ml
Aliphatic C28-C40	17.464	22.490	15774740.000	120.000	ug/ml
Aliphatic EPH	3.321	22.490	45128872.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
 Data File : FE055416.D
 Signal(s) : FID1B.ch
 Acq On : 20 Aug 2025 18:06
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Aug 21 01:21:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.084	2896482	20.283 ug/ml
Spiked Amount 50.000		Recovery =	40.57%
12) S 1-chlorooctadecane (S...	13.520	2254412	20.967 ug/ml
Spiked Amount 50.000		Recovery =	41.93%
Target Compounds			
1) T n-Nonane (C9)	3.418	2178561	18.982 ug/ml
2) T n-Decane (C10)	4.677	2262599	19.422 ug/ml
3) T A~Naphthalene (C11.7)	6.398	2617214	19.498 ug/ml
4) T n-Dodecane (C12)	6.854	2334719	19.606 ug/ml
5) T A~2-methylnaphthalene...	7.499	2571115	19.720 ug/ml
6) T n-Tetradecane (C14)	8.691	2381805	19.426 ug/ml
7) T n-Hexadecane (C16)	10.307	2509395	19.629 ug/ml
8) T n-Octadecane (C18)	11.757	2626241	20.128 ug/ml
10) T n-Eicosane (C20)	13.071	2565930	20.450 ug/ml
11) T n-Heneicosane (C21)	13.686	2528306	20.511 ug/ml
13) T n-Docosane (C22)	14.275	2515220	20.596 ug/ml
14) T n-Tetracosane (C24)	15.381	2523511	20.747 ug/ml
15) T n-Hexacosane (C26)	16.406	2470183	20.646 ug/ml
16) T n-Octacosane (C28)	17.358	2457662	20.718 ug/ml
17) T n-Tricontane (C30)	18.248	2613587	21.240 ug/ml
18) T n-Dotriacontane (C32)	19.083	2770051	22.703 ug/ml
19) T n-Tetratriacontane (C34)	19.868	2922737	24.998 ug/ml
20) T n-Hexatriacontane (C36)	20.610	2534500	23.189 ug/ml
21) T n-Octatriacontane (C38)	21.393	2235080	20.682 ug/ml
22) T n-Tetracontane (C40)	22.383	2698785	25.807 ug/mlm

(f)=RT Delta > 1/2 Window

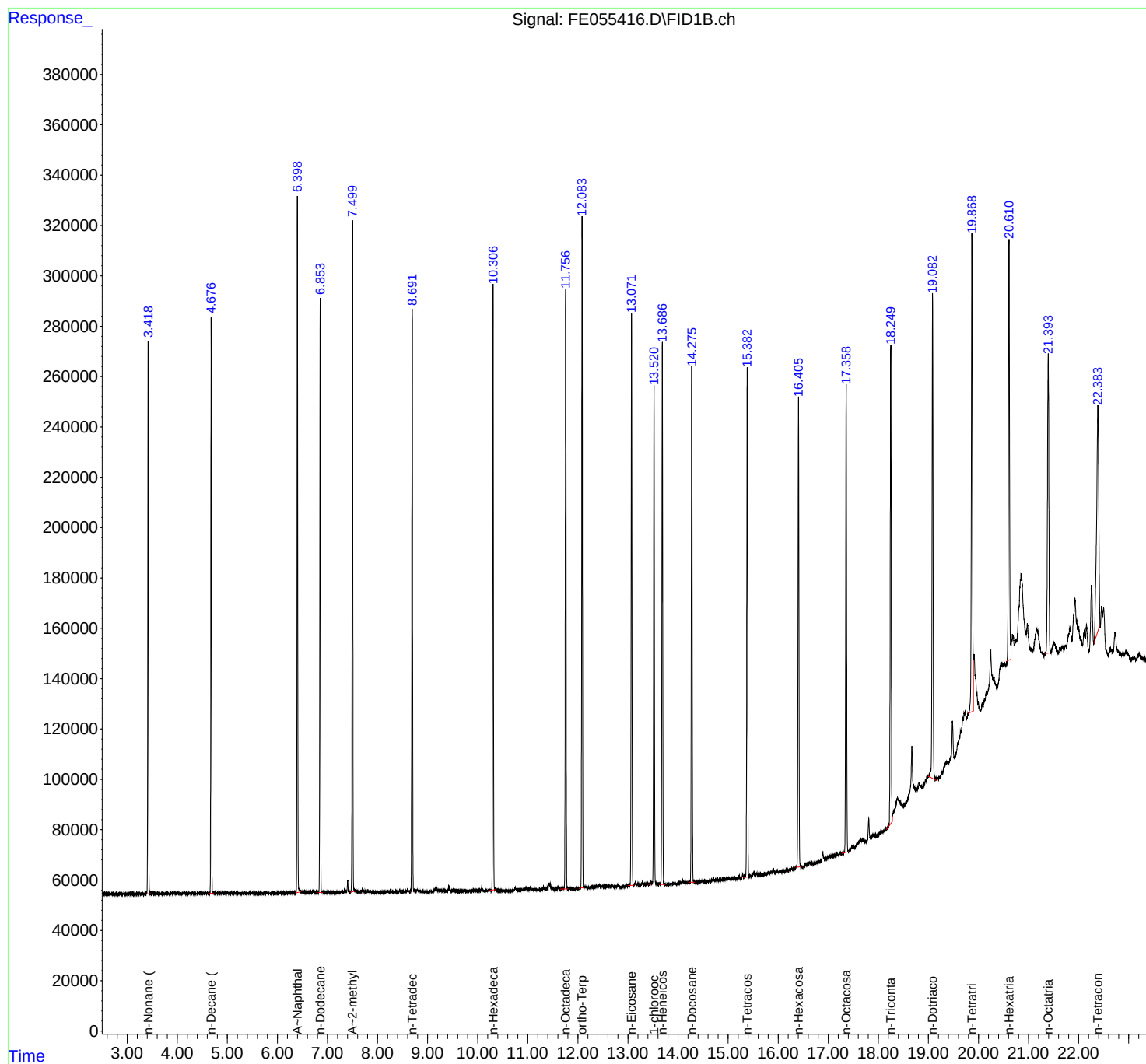
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
Data File : FE055416.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 18:06
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Aug 21 01:21:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
 Data File : FE055416.D
 Signal(s) : FID1B.ch
 Acq On : 20 Aug 2025 18:06
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.418	3.387	3.469	BB	219413	2178561	75.21%	3.974%
2	4.677	4.644	4.725	BB	228671	2262599	78.12%	4.127%
3	6.398	6.369	6.464	BB	276588	2617214	90.36%	4.774%
4	6.854	6.815	6.899	BB	236248	2334719	80.61%	4.259%
5	7.499	7.457	7.552	BB	266302	2571115	88.77%	4.690%
6	8.691	8.645	8.742	BB	230141	2381805	82.23%	4.345%
7	10.307	10.252	10.357	BB	240775	2509395	86.64%	4.577%
8	11.757	11.647	11.797	BB	238750	2626241	90.67%	4.790%
9	12.084	12.020	12.129	BB	266158	2896482	100.00%	5.283%
10	13.071	13.009	13.122	BB	225416	2565930	88.59%	4.680%
11	13.520	13.407	13.570	BB	198284	2254412	77.83%	4.112%
12	13.686	13.624	13.739	BB	215992	2528306	87.29%	4.612%
13	14.275	14.214	14.330	BB	205861	2515220	86.84%	4.588%
14	15.381	15.314	15.419	BB	203196	2523511	87.12%	4.603%
15	16.406	16.345	16.455	BB	186052	2472268	85.35%	4.510%
16	17.358	17.282	17.400	BB	185570	2458808	84.89%	4.485%
17	18.248	18.162	18.282	BV	190266	2613587	90.23%	4.767%
18	19.082	19.044	19.135	M	190986	2656548	91.72%	4.846%
19	19.868	19.825	19.898	M	176789	2398602	82.81%	4.375%
20	20.610	20.558	20.648	M	164186	2389841	82.51%	4.359%
21	21.393	21.304	21.435	PV	119233	2323063	80.20%	4.237%
22	22.383	22.303	22.431	PV	90451	2744636	94.76%	5.006%
Sum of corrected areas:						54822862		

Aliphatic EPH 080125.M Thu Aug 21 02:18:57 2025

Continuing Calibration Report for SequenceID : FE082125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE055419.D

Aliphatic C9-C12	7465718.000	60.000	3.319	6.954	124428.633	116782.597	-6.547
Aliphatic C12-C16	5344651.000	40.000	6.955	10.407	133616.275	125227.070	-6.699
Aliphatic C16-C21	8289208.000	60.000	10.408	13.787	138153.467	126404.887	-9.294
Aliphatic C21-C28	10521404.000	80.000	13.788	17.460	131517.550	120505.719	-9.138
Aliphatic C28-C40	14885380.000	120.000	17.461	22.485	124044.833	113987.195	-8.823
Aliphatic EPH	46506361.000	360.000	3.319	22.485	129184.336	119220.147	-8.358

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	21 Aug 2025 09:37
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055419.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.319	6.954	7465718.000	60.000	ug/ml
Aliphatic C12-C16	6.955	10.407	5344651.000	40.000	ug/ml
Aliphatic C16-C21	10.408	13.787	8289208.000	60.000	ug/ml
Aliphatic C21-C28	13.788	17.460	10521404.000	80.000	ug/ml
Aliphatic C28-C40	17.461	22.485	14885380.000	120.000	ug/ml
Aliphatic EPH	3.319	22.485	46506361.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
 Data File : FE055419.D
 Signal(s) : FID1B.ch
 Acq On : 21 Aug 2025 09:37
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2025
 Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
 Quant Time: Aug 22 01:15:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.085	3120322	21.850 ug/ml
Spiked Amount 50.000		Recovery =	43.70%
12) S 1-chlorooctadecane (S...	13.521	2370175	22.043 ug/mlm
Spiked Amount 50.000		Recovery =	44.09%
Target Compounds			
1) T n-Nonane (C9)	3.419	2429995	21.173 ug/ml
2) T n-Decane (C10)	4.677	2482440	21.309 ug/ml
3) T A~Naphthalene (C11.7)	6.399	2884816	21.492 ug/ml
4) T n-Dodecane (C12)	6.854	2553283	21.441 ug/ml
5) T A~2-methylnaphthalene...	7.501	2805279	21.516 ug/ml
6) T n-Tetradecane (C14)	8.692	2605866	21.253 ug/ml
7) T n-Hexadecane (C16)	10.307	2738785	21.423 ug/ml
8) T n-Octadecane (C18)	11.758	2822345	21.631 ug/ml
10) T n-Eicosane (C20)	13.073	2749754	21.915 ug/ml
11) T n-Heneicosane (C21)	13.687	2717109	22.042 ug/ml
13) T n-Docosane (C22)	14.276	2701805	22.124 ug/ml
14) T n-Tetracosane (C24)	15.382	2660623	21.874 ug/mlm
15) T n-Hexacosane (C26)	16.408	2597742	21.712 ug/mlm
16) T n-Octacosane (C28)	17.360	2561234	21.591 ug/mlm
17) T n-Tricontane (C30)	18.250	2657827	21.600 ug/ml
18) T n-Dotriacontane (C32)	19.084	2629872	21.554 ug/mlm
19) T n-Tetratriacontane (C34)	19.870	2531211	21.649 ug/mlm
20) T n-Hexatriacontane (C36)	20.612	2387250	21.841 ug/mlm
21) T n-Octatriacontane (C38)	21.392	2349090	21.737 ug/mlm
22) T n-Tetracontane (C40)	22.385	2330130	22.282 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
Data File : FE055419.D
Signal(s) : FID1B.ch
Acq On : 21 Aug 2025 09:37
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

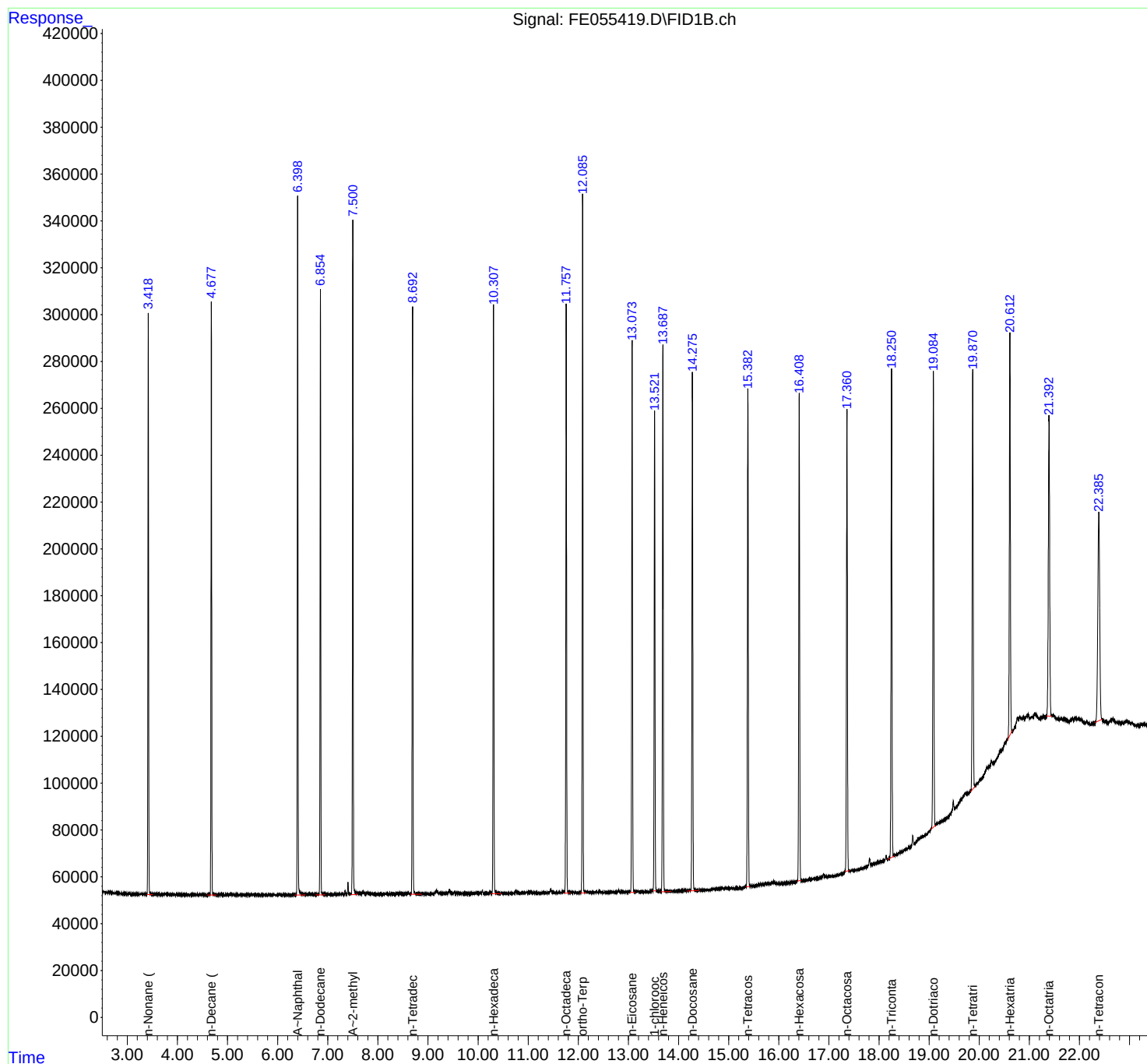
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
Quant Time: Aug 22 01:15:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :
FID_E
LabSampleId :
20 PPM ALIPHATIC HC STD
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE08212
Data File : FE055419.D
Signal(s) : FID1B.ch
Acq On : 21 Aug 2025 09:37
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.419	3.389	3.469	BB	247432	2417740	77.92%	4.202%
2	4.677	4.644	4.725	BB	252889	2462798	79.37%	4.280%
3	6.399	6.364	6.467	BB	298196	2844290	91.66%	4.943%
4	6.854	6.822	6.899	BB	257669	2525899	81.40%	4.390%
5	7.501	7.460	7.562	BB	286570	2771112	89.31%	4.816%
6	8.692	8.659	8.749	BB	250742	2564804	82.66%	4.457%
7	10.307	10.272	10.360	BB	250640	2711788	87.39%	4.713%
8	11.758	11.664	11.805	BB	249138	2816894	90.78%	4.895%
9	12.085	12.047	12.129	BB	298142	3102933	100.00%	5.393%
10	13.073	13.037	13.125	BB	235134	2739380	88.28%	4.761%
11	13.522	13.489	13.574	BB	203636	2374473	76.52%	4.127%
12	13.687	13.652	13.739	BB	232911	2698195	86.96%	4.689%
13	14.276	14.239	14.335	BB	221498	2685310	86.54%	4.667%
14	15.383	15.347	15.424	BB	212003	2657751	85.65%	4.619%
15	16.408	16.349	16.457	BB	208539	2610315	84.12%	4.536%
16	17.360	17.289	17.410	BB	197684	2585843	83.34%	4.494%
17	18.250	18.182	18.295	BB	207941	2647896	85.34%	4.602%
18	19.085	19.000	19.129	BB	194966	2626080	84.63%	4.564%
19	19.870	19.800	19.912	BB	179051	2523844	81.34%	4.386%
20	20.612	20.570	20.652	BV	172378	2421163	78.03%	4.208%
21	21.393	21.331	21.441	BB	128467	2362250	76.13%	4.105%
22	22.386	22.301	22.499	BBA	89517	2389824	77.02%	4.153%
Sum of corrected areas:						57540583		

Aliphatic EPH 080125.M Fri Aug 22 02:18:25 2025

Continuing Calibration Report for SequenceID : FE082125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE055426.D

Aliphatic C9-C12	7170278.000	60.000	3.319	6.954	119504.633	116782.597	-2.331
Aliphatic C12-C16	5104014.000	40.000	6.955	10.407	127600.350	125227.070	-1.895
Aliphatic C16-C21	7932486.000	60.000	10.408	13.787	132208.100	126404.887	-4.591
Aliphatic C21-C28	10243034.000	80.000	13.788	17.460	128037.925	120505.719	-6.250
Aliphatic C28-C40	14319200.000	120.000	17.461	22.485	119326.667	113987.195	-4.684
Aliphatic EPH	44769012.000	360.000	3.319	22.485	124358.367	119220.147	-4.310

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	21 Aug 2025 13:43
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055426.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.319	6.954	7170278.000	60.000	ug/ml
Aliphatic C12-C16	6.955	10.407	5104014.000	40.000	ug/ml
Aliphatic C16-C21	10.408	13.787	7932486.000	60.000	ug/ml
Aliphatic C21-C28	13.788	17.460	10243034.000	80.000	ug/ml
Aliphatic C28-C40	17.461	22.485	14319200.000	120.000	ug/ml
Aliphatic EPH	3.319	22.485	44769012.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
 Data File : FE055426.D
 Signal(s) : FID1B.ch
 Acq On : 21 Aug 2025 13:43
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2025
 Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
 Quant Time: Aug 22 01:17:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.083	2988372	20.926 ug/ml
Spiked Amount 50.000		Recovery =	41.85%
12) S 1-chlorooctadecane (S...	13.519	2329249	21.663 ug/ml
Spiked Amount 50.000		Recovery =	43.33%
Target Compounds			
1) T n-Nonane (C9)	3.418	2341921	20.405 ug/ml
2) T n-Decane (C10)	4.676	2376934	20.404 ug/ml
3) T A~Naphthalene (C11.7)	6.397	2757546	20.543 ug/ml
4) T n-Dodecane (C12)	6.852	2451423	20.586 ug/ml
5) T A~2-methylnaphthalene...	7.498	2702659	20.729 ug/ml
6) T n-Tetradecane (C14)	8.690	2494986	20.349 ug/ml
7) T n-Hexadecane (C16)	10.305	2609028	20.408 ug/ml
8) T n-Octadecane (C18)	11.756	2693549	20.644 ug/ml
10) T n-Eicosane (C20)	13.071	2631772	20.975 ug/ml
11) T n-Heneicosane (C21)	13.686	2607165	21.150 ug/ml
13) T n-Docosane (C22)	14.274	2606755	21.346 ug/ml
14) T n-Tetracosane (C24)	15.380	2592219	21.312 ug/ml
15) T n-Hexacosane (C26)	16.405	2536513	21.200 ug/ml
16) T n-Octacosane (C28)	17.357	2507547	21.139 ug/ml
17) T n-Tricontane (C30)	18.246	2559831	20.803 ug/mlm
18) T n-Dotriacontane (C32)	19.081	2544239	20.852 ug/mlm
19) T n-Tetratriacontane (C34)	19.867	2455014	20.998 ug/mlm
20) T n-Hexatriacontane (C36)	20.608	2297330	21.019 ug/mlm
21) T n-Octatriacontane (C38)	21.388	2221319	20.554 ug/mlm
22) T n-Tetracontane (C40)	22.379	2241467	21.434 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
Data File : FE055426.D
Signal(s) : FID1B.ch
Acq On : 21 Aug 2025 13:43
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

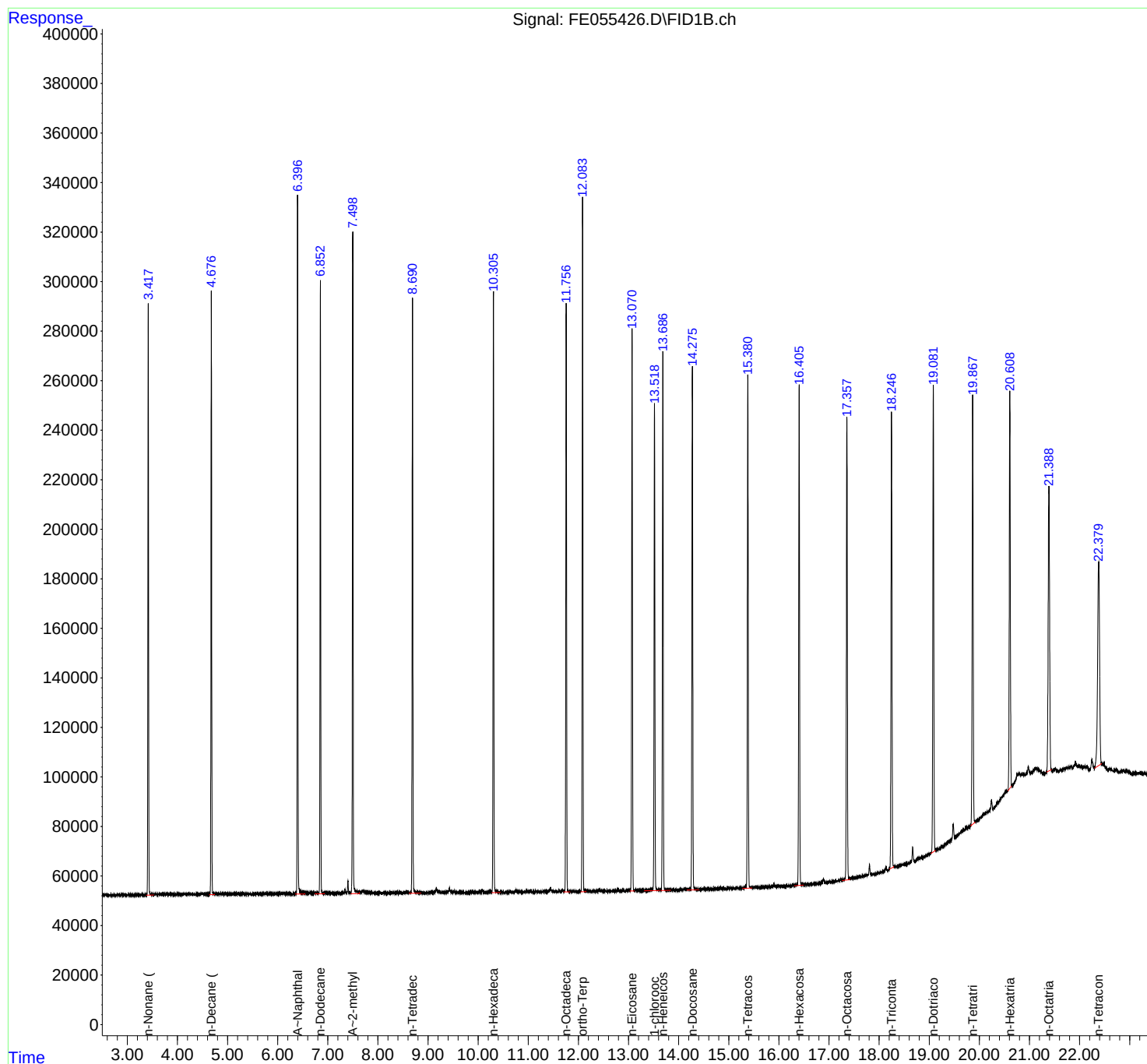
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
Quant Time: Aug 22 01:17:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_E

LabSampleId :

20 PPM ALIPHATIC HC STD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/22/2025

Supervised By :mohammad ahmed 08/25/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE08212
Data File : FE055426.D
Signal(s) : FID1B.ch
Acq On : 21 Aug 2025 13:43
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.418	3.380	3.460	BB	237402	2323474	78.09%	4.215%
2	4.676	4.640	4.723	BB	243428	2356372	79.20%	4.275%
3	6.397	6.353	6.467	BB	281695	2711749	91.14%	4.920%
4	6.852	6.817	6.895	BB	246568	2415431	81.18%	4.382%
5	7.499	7.455	7.567	BB	266597	2643929	88.86%	4.797%
6	8.690	8.647	8.745	BB	239697	2449207	82.32%	4.443%
7	10.306	10.240	10.355	BB	242028	2571838	86.44%	4.666%
8	11.756	11.662	11.800	BB	238207	2689665	90.40%	4.879%
9	12.083	12.045	12.140	BB	280407	2975323	100.00%	5.398%
10	13.071	13.010	13.115	BB	226531	2620063	88.06%	4.753%
11	13.519	13.455	13.567	BB	195669	2278362	76.58%	4.133%
12	13.686	13.623	13.735	BB	218140	2583536	86.83%	4.687%
13	14.274	14.207	14.330	BB	211107	2571634	86.43%	4.665%
14	15.380	15.317	15.433	BB	206763	2559882	86.04%	4.644%
15	16.405	16.348	16.457	BB	201344	2510502	84.38%	4.554%
16	17.358	17.288	17.415	BB	186632	2480854	83.38%	4.501%
17	18.247	18.182	18.307	BB	183239	2560661	86.06%	4.645%
18	19.081	19.012	19.123	BB	188718	2538335	85.31%	4.605%
19	19.867	19.800	19.923	BB	172580	2456445	82.56%	4.456%
20	20.608	20.570	20.650	BB	159878	2300145	77.31%	4.173%
21	21.388	21.330	21.453	BB	115365	2250210	75.63%	4.082%
22	22.381	22.300	22.468	BB	82479	2274268	76.44%	4.126%
Sum of corrected areas:						55121883		

Aliphatic EPH 080125.M Fri Aug 22 02:19:51 2025



QC SAMPLE DATA

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	
Project:	507 Franklin Ave	Date Received:	
Client Sample ID:	PB169321BL	SDG No.:	Q2868
Lab Sample ID:	PB169321BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/20/25 08:15	08/20/25 12:02	PB169321

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	FE055405.D
Total EPH	Total EPH	0.91	U		0.91	3.99	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	507 Franklin Ave	Date Received:	
Client Sample ID:	PB169321BL	SDG No.:	Q2868
Lab Sample ID:	PB169321BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055405.D	1	08/20/25	08/20/25	PB169321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.9		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.5		40 - 140	83%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169321BL	Acq On:	20 Aug 2025 12:02
Client Sample ID:	PB169321BL	Operator:	YP\AJ
Data file:	FE055405.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	3.321	6.956	0	0	300	ug/ml
Aliphatic C12-C16	6.957	10.409	0	0	200	ug/ml
Aliphatic C16-C21	10.410	13.790	0	0	300	ug/ml
Aliphatic C21-C28	13.791	17.463	0	0	400	ug/ml
Aliphatic C28-C40	17.464	22.490	0	0	600	ug/ml
Aliphatic EPH	3.321	22.490	0	0		ug/ml
ortho-Terphenyl (SURR)	12.086	12.086	5929485	41.52		ug/ml
1-chlorooctadecane (SURR)	13.522	13.522	4612868	42.9		ug/ml
Aliphatic C9-C28	3.321	17.463	0	0	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
Data File : FE055405.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 12:02
Operator : YP\AJ
Sample : PB169321BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169321BL

Integration File: autoint1.e
Quant Time: Aug 21 01:17:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.086	5929485	41.522 ug/ml
Spiked Amount 50.000		Recovery =	83.04%
12) S 1-chlorooctadecane (S...	13.522	4612868	42.901 ug/ml
Spiked Amount 50.000		Recovery =	85.80%

Target Compounds

(f)=RT Delta > 1/2 Window

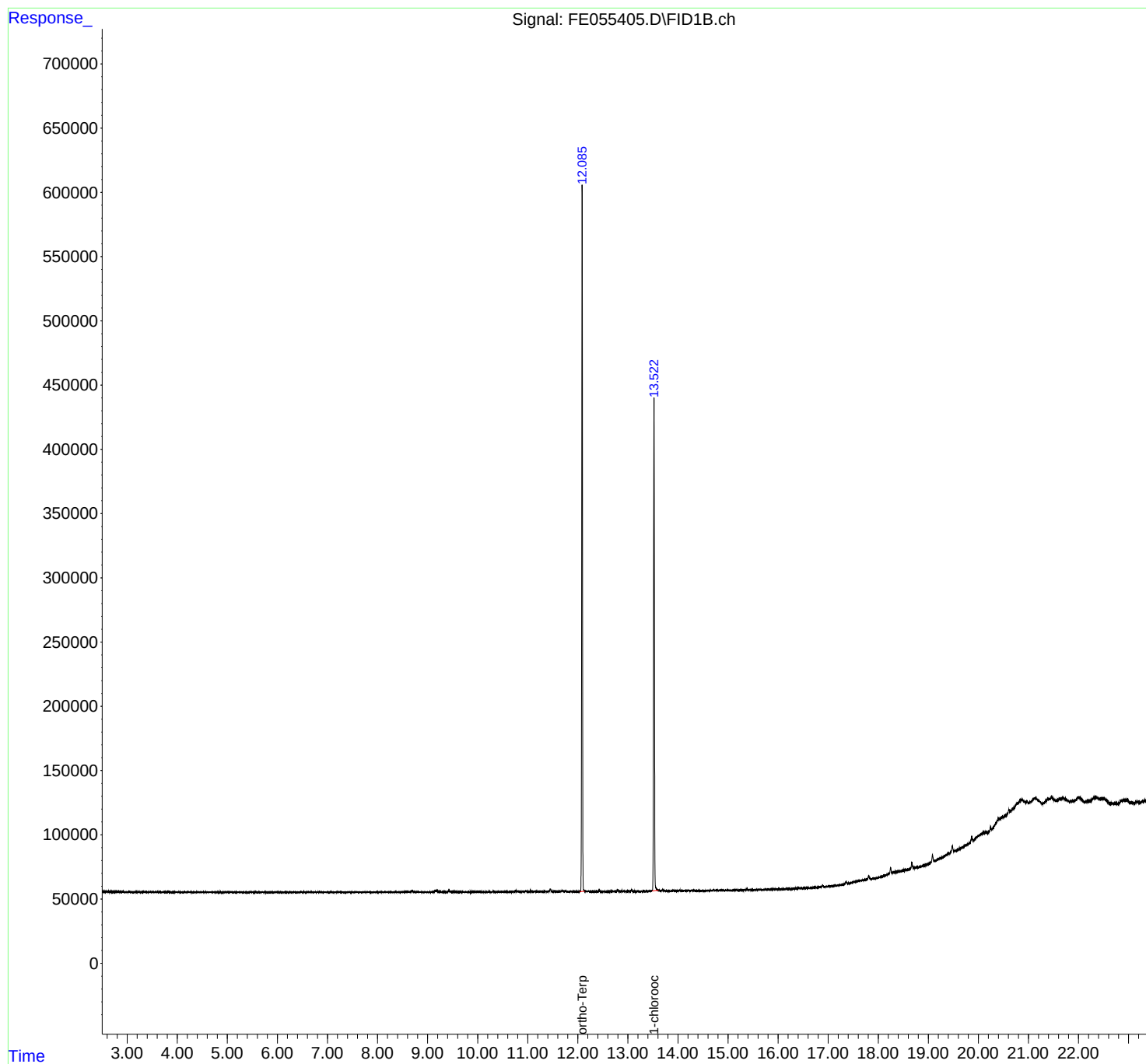
(m)=manual int.

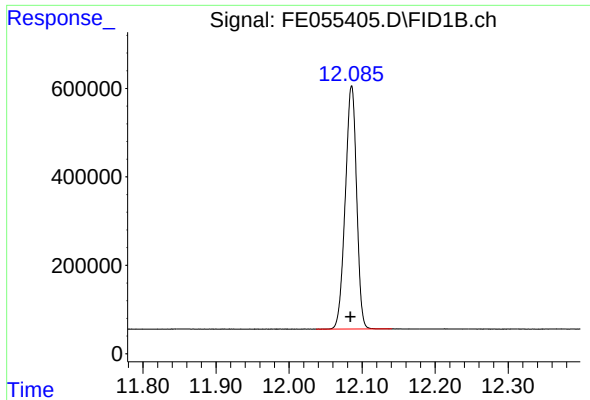
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
Data File : FE055405.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 12:02
Operator : YP\AJ
Sample : PB169321BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169321BL

Integration File: autoint1.e
Quant Time: Aug 21 01:17:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

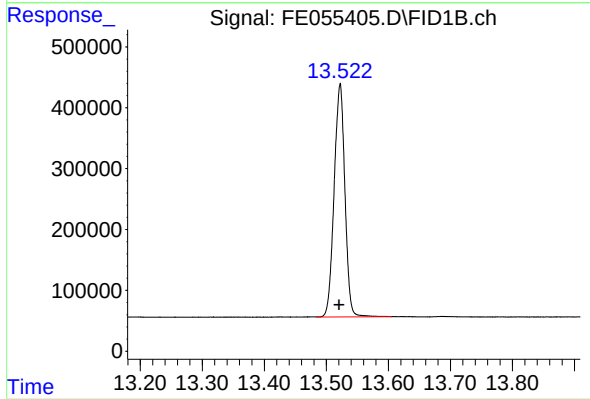




#9 ortho-Terphenyl (SURR)

R.T.: 12.086 min
Delta R.T.: 0.001 min
Response: 5929485
Conc: 41.52 ug/ml

Instrument :
FID_E
ClientSampleId :
PB169321BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.522 min
Delta R.T.: 0.002 min
Response: 4612868
Conc: 42.90 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
Data File : FE055405.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 12:02
Sample : PB169321BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	12.086	12.037	12.140	BB	550296	5929485	100.00%	56.244%
2	13.522	13.484	13.605	BB	382755	4612868	77.80%	43.756%
Sum of corrected areas:							10542353	

Aliphatic EPH 080125.M Thu Aug 21 02:12:26 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	
Project:	507 Franklin Ave	Date Received:	
Client Sample ID:	PB169321BS	SDG No.:	Q2868
Lab Sample ID:	PB169321BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/20/25 08:15	08/20/25 12:33	PB169321

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	98.9	E	1	0.91	3.99	mg/kg	FE055406.D
Total EPH	Total EPH	98.9			0.91	3.99	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	507 Franklin Ave	Date Received:	
Client Sample ID:	PB169321BS	SDG No.:	Q2868
Lab Sample ID:	PB169321BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055406.D	1	08/20/25	08/20/25	PB169321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	98.9	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	36.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	50.0		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.0		40 - 140	94%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169321BS	Acq On:	20 Aug 2025 12:33
Client Sample ID:	PB169321BS	Operator:	YP\AJ
Data file:	FE055406.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	3.321	6.956	30257352	259.091	300	ug/ml
Aliphatic C12-C16	6.957	10.409	40880398	326.45	200	ug/ml
Aliphatic C16-C21	10.410	13.790	47984702	379.611	300	ug/ml
Aliphatic C21-C28	13.791	17.463	62574571	519.266	400	ug/ml
Aliphatic C28-C40	17.464	22.490	62852821	551.402	600	ug/ml
Aliphatic EPH	3.321	22.490	244549844	2040		ug/ml
ortho-Terphenyl (SURR)	12.086	12.086	6710014	46.99		ug/ml
1-chlorooctadecane (SURR)	13.522	13.522	5370660	49.95		ug/ml
Aliphatic C9-C28	3.321	17.463	181697023	1480	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
 Data File : FE055406.D
 Signal(s) : FID1B.ch
 Acq On : 20 Aug 2025 12:33
 Operator : YP\AJ
 Sample : PB169321BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB169321BS

Integration File: autoint1.e
 Quant Time: Aug 21 01:17:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.086	6710014	46.988 ug/ml
Spiked Amount 50.000		Recovery =	93.98%
12) S 1-chlorooctadecane (S...	13.522	5370660	49.948 ug/ml
Spiked Amount 50.000		Recovery =	99.90%
Target Compounds			
1) T n-Nonane (C9)	3.433	5256897	45.804 ug/ml
2) T n-Decane (C10)	4.685	5604219	48.107 ug/ml
3) T A~Naphthalene (C11.7)	6.402	6954922	51.813 ug/ml
4) T n-Dodecane (C12)	6.856	5977021	50.192 ug/ml
5) T A~2-methylnaphthalene...	7.502	6467435	49.603 ug/ml
6) T n-Tetradecane (C14)	8.694	6214976	50.689 ug/ml
7) T n-Hexadecane (C16)	10.309	6520261	51.002 ug/ml
8) T n-Octadecane (C18)	11.759	6628910	50.806 ug/ml
10) T n-Eicosane (C20)	13.075	6833590	54.463 ug/ml
11) T n-Heneicosane (C21)	13.689	6596068	53.510 ug/ml
13) T n-Docosane (C22)	14.277	6521540	53.403 ug/ml
14) T n-Tetracosane (C24)	15.387	13456795	110.634 ug/ml
15) T n-Hexacosane (C26)	16.410	6355856	53.122 ug/ml
16) T n-Octacosane (C28)	17.361	6352065	53.548 ug/ml
17) T n-Tricontane (C30)	18.252	6426561	52.228 ug/ml
18) T n-Dotriacontane (C32)	19.085	6466127	52.996 ug/ml
19) T n-Tetratriacontane (C34)	19.870	6673627	57.079 ug/ml
20) T n-Hexatriacontane (C36)	20.612	6411777	58.663 ug/ml
21) T n-Octatriacontane (C38)	21.394	6314988	58.434 ug/ml
22) T n-Tetracontane (C40)	22.387	6003108	57.405 ug/ml

(f)=RT Delta > 1/2 Window

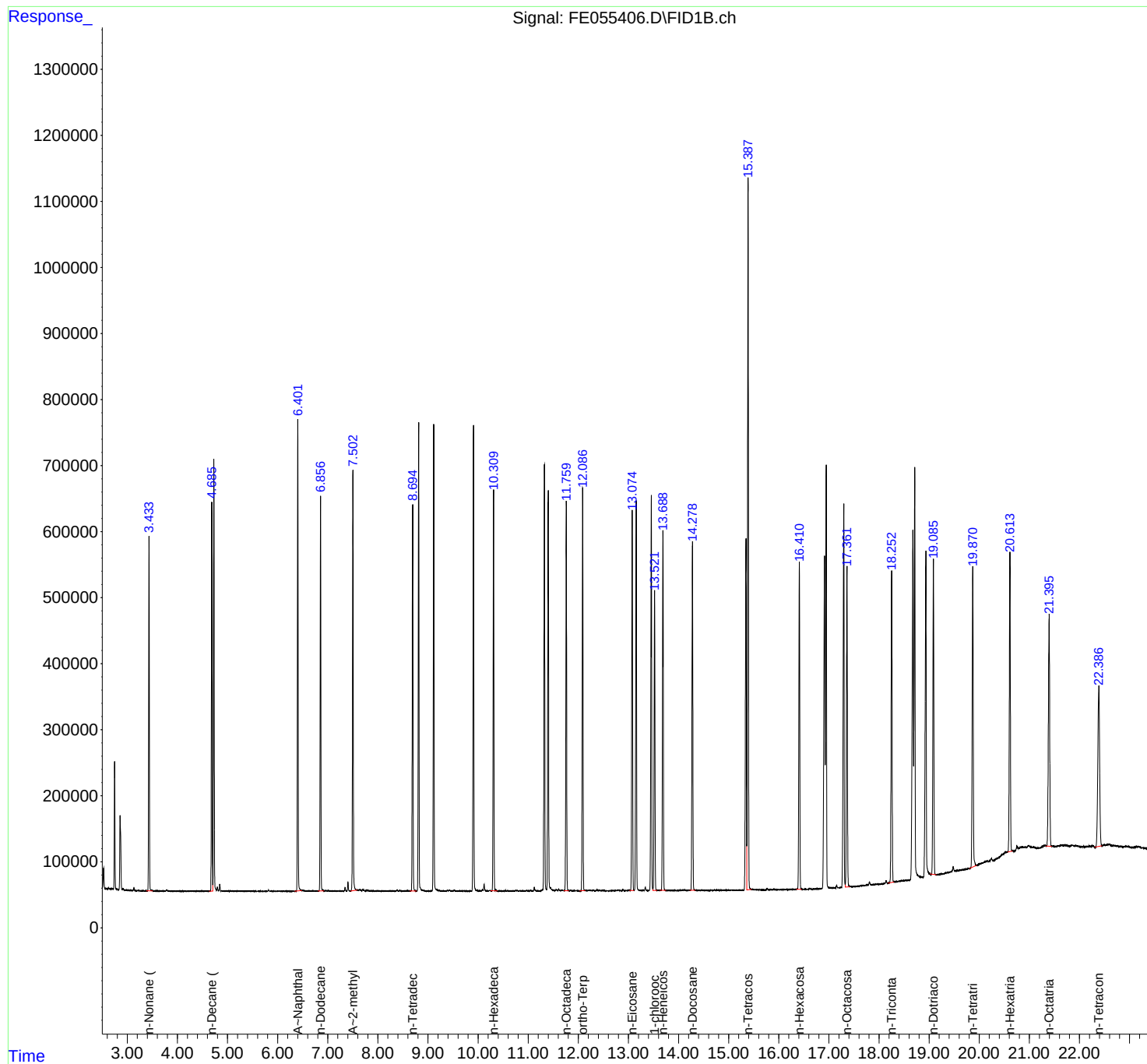
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
Data File : FE055406.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 12:33
Operator : YP\AJ
Sample : PB169321BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169321BS

Integration File: autoint1.e
Quant Time: Aug 21 01:17:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
 Data File : FE055406.D
 Signal(s) : FID1B.ch
 Acq On : 20 Aug 2025 12:33
 Sample : PB169321BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.433	3.377	3.510	BB	5377771	5256897	39.06%	2.048%
2	4.685	4.630	4.706	BV	589699	5604114	41.65%	2.184%
3	4.727	4.706	4.780	VV	655340	6464398	48.04%	2.519%
4	6.402	6.339	6.489	BB	714172	6954922	51.68%	2.710%
5	6.856	6.800	6.927	BB	599018	5977021	44.42%	2.329%
6	7.502	7.450	7.592	BB	638307	6467435	48.06%	2.520%
7	8.694	8.635	8.769	BB	582323	6214976	46.18%	2.422%
8	8.813	8.769	8.909	BB	710536	7187672	53.41%	2.801%
9	9.114	9.057	9.210	BB	705381	7241832	53.82%	2.822%
10	9.908	9.840	9.977	BB	698799	7248222	53.86%	2.824%
11	10.309	10.245	10.385	BB	605302	6520261	48.45%	2.541%
12	11.323	11.245	11.365	BV	645017	7028664	52.23%	2.739%
13	11.399	11.365	11.500	VB	600874	7001304	52.03%	2.728%
14	11.759	11.710	11.814	BB	589298	6628910	49.26%	2.583%
15	12.086	12.029	12.142	BB	606153	6710014	49.86%	2.615%
16	13.075	13.015	13.114	BV	576115	6834526	50.79%	2.663%
17	13.155	13.114	13.232	VB	589481	6920005	51.42%	2.696%
18	13.456	13.387	13.489	BV	601084	6975225	51.83%	2.718%
19	13.522	13.489	13.575	VB	453774	5370660	39.91%	2.093%
20	13.689	13.620	13.754	BB	544336	6596068	49.02%	2.570%
21	14.277	14.219	14.340	BB	523178	6521540	48.46%	2.541%
22	15.344	15.277	15.362	BV	520430	6876626	51.10%	2.680%
23	15.387	15.362	15.462	VB	1077557	13456795	100.00%	5.244%
24	16.410	16.340	16.457	BB	496367	6359772	47.26%	2.478%
25	16.912	16.840	16.927	BV	503109	7637726	56.76%	2.976%
26	16.947	16.927	17.009	VB	642449	7578003	56.31%	2.953%
27	17.297	17.217	17.327	BV	571692	7790932	57.90%	3.036%
28	17.361	17.327	17.420	VB	485863	6353177	47.21%	2.476%
29	18.252	18.177	18.299	BB	472026	6426561	47.76%	2.504%
30	18.675	18.595	18.690	BV	522267	8352987	62.07%	3.255%
31	18.712	18.690	18.837	VB	618187	8103832	60.22%	3.158%
32	18.935	18.850	19.042	BV	491935	7512438	55.83%	2.927%
33	19.085	19.042	19.147	VB	480569	6545889	48.64%	2.551%
34	19.870	19.794	19.947	BB	452732	6665072	49.53%	2.597%
35	20.612	20.292	20.685	BB	451510	6889535	51.20%	2.685%
36	21.394	21.337	21.447	VB	347129	6368262	47.32%	2.481%

37 22.387 22.295 22.452 BB 243410 5988245 44.50% 2.333%
Sum of corrected areas: 256630515

Aliphatic EPH 080125.M Thu Aug 21 02:14:43 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	
Project:	507 Franklin Ave	Date Received:	
Client Sample ID:	PB169321BSD	SDG No.:	Q2868
Lab Sample ID:	PB169321BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/20/25 08:15	08/20/25 13:03	PB169321

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	102	E	1	0.91	4.00	mg/kg	FE055407.D
Total EPH	Total EPH	102			0.91	4.00	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	507 Franklin Ave	Date Received:	
Client Sample ID:	PB169321BSD	SDG No.:	Q2868
Lab Sample ID:	PB169321BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055407.D	1	08/20/25	08/20/25	PB169321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	102	E	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.6		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	51.3		40 - 140	103%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	48.2		40 - 140	96%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169321BSD	Acq On:	20 Aug 2025 13:03
Client Sample ID:	PB169321BSD	Operator:	YP\AJ
Data file:	FE055407.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	3.321	6.956	31196400	267.132	300	ug/ml
Aliphatic C12-C16	6.957	10.409	42121742	336.363	200	ug/ml
Aliphatic C16-C21	10.410	13.790	49540877	391.922	300	ug/ml
Aliphatic C21-C28	13.791	17.463	64645156	536.449	400	ug/ml
Aliphatic C28-C40	17.464	22.490	60864266	533.957	600	ug/ml
Aliphatic EPH	3.321	22.490	248368441	2070		ug/ml
ortho-Terphenyl (SURR)	12.086	12.086	6885059	48.21		ug/ml
1-chlorooctadecane (SURR)	13.522	13.522	5517277	51.31		ug/ml
Aliphatic C9-C28	3.321	17.463	187504175	1530	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
 Data File : FE055407.D
 Signal(s) : FID1B.ch
 Acq On : 20 Aug 2025 13:03
 Operator : YP\AJ
 Sample : PB169321BSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB169321BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2025
 Supervised By :mohammad ahmed 08/22/2025

Integration File: autoint1.e
 Quant Time: Aug 21 01:18:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.086	6885059	48.213 ug/ml
Spiked Amount 50.000		Recovery =	96.43%
12) S 1-chlorooctadecane (S...	13.522	5517277	51.312 ug/ml
Spiked Amount 50.000		Recovery =	102.62%
Target Compounds			
1) T n-Nonane (C9)	3.434	5425671	47.274 ug/ml
2) T n-Decane (C10)	4.686	5780875	49.623 ug/ml
3) T A~Naphthalene (C11.7)	6.401	7175230	53.455 ug/ml
4) T n-Dodecane (C12)	6.856	6157371	51.707 ug/ml
5) T A~2-methylnaphthalene...	7.502	6665357	51.121 ug/ml
6) T n-Tetradecane (C14)	8.694	6399053	52.190 ug/ml
7) T n-Hexadecane (C16)	10.309	6706824	52.461 ug/ml
8) T n-Octadecane (C18)	11.759	6821957	52.286 ug/ml
10) T n-Eicosane (C20)	13.075	7050350	56.191 ug/ml
11) T n-Heneicosane (C21)	13.689	6808906	55.237 ug/ml
13) T n-Docosane (C22)	14.277	6730451	55.113 ug/ml
14) T n-Tetracosane (C24)	15.387	13924094	114.476 ug/ml
15) T n-Hexacosane (C26)	16.410	6556614	54.800 ug/ml
16) T n-Octacosane (C28)	17.360	6558368	55.287 ug/ml
17) T n-Tricontane (C30)	18.252	6631411	53.893 ug/ml
18) T n-Dotriacontane (C32)	19.085	6526936	53.495 ug/ml
19) T n-Tetratriacontane (C34)	19.870	6425626	54.958 ug/ml
20) T n-Hexatriacontane (C36)	20.611	5693280	52.089 ug/ml
21) T n-Octatriacontane (C38)	21.392	5148417	47.639 ug/mlm
22) T n-Tetracontane (C40)	22.382	4707885	45.019 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
Data File : FE055407.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 13:03
Operator : YP\AJ
Sample : PB169321BSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

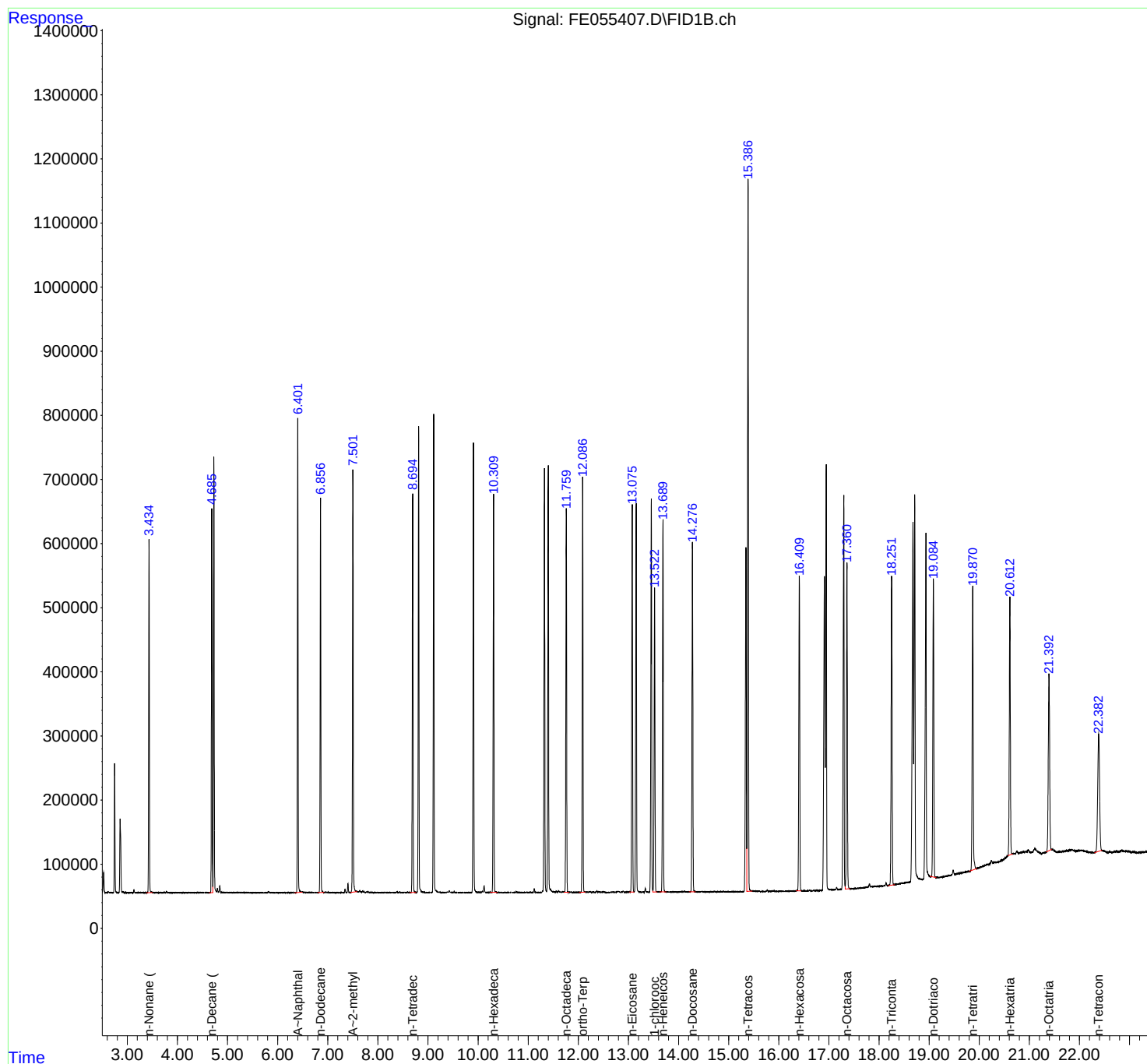
Instrument :
FID_E
ClientSampleId :
PB169321BSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

Integration File: autoint1.e
Quant Time: Aug 21 01:18:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_E

ClientSampleId :

PB169321BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE08202
Data File : FE055407.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 13:03
Sample : PB169321BSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.434	3.377	3.509	BB	550583	5425671	38.97%	2.081%
2	4.686	4.634	4.706	BV	599919	5780652	41.52%	2.217%
3	4.727	4.706	4.779	VV	679565	6657476	47.81%	2.553%
4	6.401	6.339	6.490	BB	741014	7175230	51.53%	2.752%
5	6.856	6.797	6.929	BB	612739	6157371	44.22%	2.361%
6	7.502	7.449	7.587	BB	659066	6665357	47.87%	2.556%
7	8.694	8.635	8.760	BB	621202	6399053	45.96%	2.454%
8	8.813	8.764	8.909	BB	722601	7414044	53.25%	2.843%
9	9.114	9.057	9.207	BB	746795	7459500	53.57%	2.861%
10	9.907	9.840	9.985	BB	702755	7476964	53.70%	2.867%
11	10.309	10.245	10.385	BB	612693	6706824	48.17%	2.572%
12	11.323	11.247	11.365	BV	662598	7260147	52.14%	2.784%
13	11.399	11.365	11.509	VB	670901	7248111	52.05%	2.779%
14	11.759	11.709	11.814	BB	595625	6821957	48.99%	2.616%
15	12.086	12.017	12.142	BB	644166	6885059	49.45%	2.640%
16	13.075	13.015	13.112	BV	605898	7050893	50.64%	2.704%
17	13.155	13.112	13.232	VB	607355	7149750	51.35%	2.742%
18	13.457	13.387	13.487	BV	612805	7201113	51.72%	2.761%
19	13.522	13.487	13.577	VB	473435	5517277	39.62%	2.116%
20	13.689	13.622	13.757	BB	575719	6808906	48.90%	2.611%
21	14.277	14.215	14.339	BB	542998	6730451	48.34%	2.581%
22	15.344	15.272	15.362	BV	538012	7144861	51.31%	2.740%
23	15.387	15.362	15.469	VB	1111281	13924094	100.00%	5.340%
24	16.410	16.340	16.449	BB	489748	6561539	47.12%	2.516%
25	16.911	16.834	16.928	BV	489766	7870288	56.52%	3.018%
26	16.947	16.928	17.014	VB	660970	7824279	56.19%	3.000%
27	17.297	17.229	17.325	BV	612556	8031704	57.68%	3.080%
28	17.360	17.325	17.425	VB	508466	6557940	47.10%	2.515%
29	18.252	18.179	18.315	BB	481698	6631411	47.63%	2.543%
30	18.676	18.589	18.690	BV	555024	8766070	62.96%	3.362%
31	18.712	18.690	18.827	VB	603400	8408515	60.39%	3.224%
32	18.936	18.857	19.042	BV	535542	7887793	56.65%	3.025%
33	19.085	19.042	19.137	VB	466404	6604638	47.43%	2.533%
34	19.870	19.739	19.957	BB	442493	6388697	45.88%	2.450%
35	20.611	20.392	20.669	BB	404241	5758891	41.36%	2.208%
36	21.392	21.234	21.550	PB	279746	5594106	40.18%	2.145%

37 22.383 22.289 22.499 BBA 183912 4824145 34.65% 1.850%
rteres
Sum of corrected areas: 2607

Aliphatic EPH 080125.M Thu Aug 21 02:16:15 2025

Instrument :

FID_E

ClientSampleId :

PB169321BSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC		Date Collected:		
Project:	507 Franklin Ave		Date Received:		
Client Sample ID:	5MS		SDG No.:	Q2868	
Lab Sample ID:	Q2868-07MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	96.1	
Sample Wt/Vol:	30.04	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_F2	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
08/20/25 08:15	08/20/25 16:05	PB169321

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	590	E	1	0.95	4.16	mg/kg	FE055413.D
Total EPH	Total EPH	590			0.95	4.16	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	507 Franklin Ave	Date Received:	
Client Sample ID:	5MS	SDG No.:	Q2868
Lab Sample ID:	Q2868-07MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055413.D	1	08/20/25	08/20/25	PB169321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	590	E	0.95	4.16	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	268	E	1.23	2.08	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	57.9		40 - 140	116%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.8		40 - 140	96%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2868-07MS	Acq On:	20 Aug 2025 16:05
Client Sample ID:	5MS	Operator:	YP\AJ
Data file:	FE055413.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.956	30840552	264.085	300	ug/ml
Aliphatic C12-C16	6.957	10.409	78256273	624.915	200	ug/ml
Aliphatic C16-C21	10.410	13.790	481482758	3810	300	ug/ml
Aliphatic C21-C28	13.791	17.463	462559096	3840	400	ug/ml
Aliphatic C28-C40	17.464	22.490	441882785	3880	600	ug/ml
Aliphatic EPH	3.321	22.490	1495021464	12400		ug/ml
ortho-Terphenyl (SURR)	12.096	12.096	6823448	47.78		ug/ml
1-chlorooctadecane (SURR)	13.531	13.531	6224183	57.89		ug/ml
Aliphatic C9-C28	3.321	17.463	1053138679	8540	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
 Data File : FE055413.D
 Signal(s) : FID1B.ch
 Acq On : 20 Aug 2025 16:05
 Operator : YP\AJ
 Sample : Q2868-07MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 SMS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2025
 Supervised By :mohammad ahmed 08/22/2025

Integration File: autoint1.e
 Quant Time: Aug 21 01:20:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.096	6823448	47.782 ug/ml
Spiked Amount 50.000		Recovery =	95.56%
12) S 1-chlorooctadecane (S...	13.531	6224183	57.886 ug/mlm
Spiked Amount 50.000		Recovery =	115.77%
Target Compounds			
1) T n-Nonane (C9)	3.431	4830716	42.090 ug/ml
2) T n-Decane (C10)	4.684	5070375	43.524 ug/ml
3) T A~Naphthalene (C11.7)	6.402	6933152	51.651 ug/ml
4) T n-Dodecane (C12)	6.856	5476211	45.987 ug/ml
5) T A~2-methylnaphthalene...	7.502	6021953	46.187 ug/mlm
6) T n-Tetradecane (C14)	8.694	5995310	48.897 ug/ml
7) T n-Hexadecane (C16)	10.310	6336268	49.562 ug/ml
8) T n-Octadecane (C18)	11.764	6492574	49.761 ug/ml
10) T n-Eicosane (C20)	13.092	8991368	71.660 ug/mlm
11) T n-Heneicosane (C21)	13.694	9130716	74.072 ug/ml
13) T n-Docosane (C22)	14.281	8493559	69.551 ug/mlm
14) T n-Tetracosane (C24)	15.388	49180219	404.331 ug/ml
15) T n-Hexacosane (C26)	16.415	8457123	70.685 ug/mlm
16) T n-Octacosane (C28)	17.366	42684992	359.835 ug/mlm
17) T n-Tricontane (C30)	18.260	7612988	61.870 ug/ml
18) T n-Dotriacontane (C32)	19.094	10076520	82.587 ug/mlm
19) T n-Tetratriacontane (C34)	19.879	6364308	54.433 ug/mlm
20) T n-Hexatriacontane (C36)	20.618	7703645	70.482 ug/mlm
21) T n-Octatriacontane (C38)	21.402	6772105	62.664 ug/mlm
22) T n-Tetracontane (C40)	22.399	9974418	95.381 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
Data File : FE055413.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 16:05
Operator : YP\AJ
Sample : Q2868-07MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

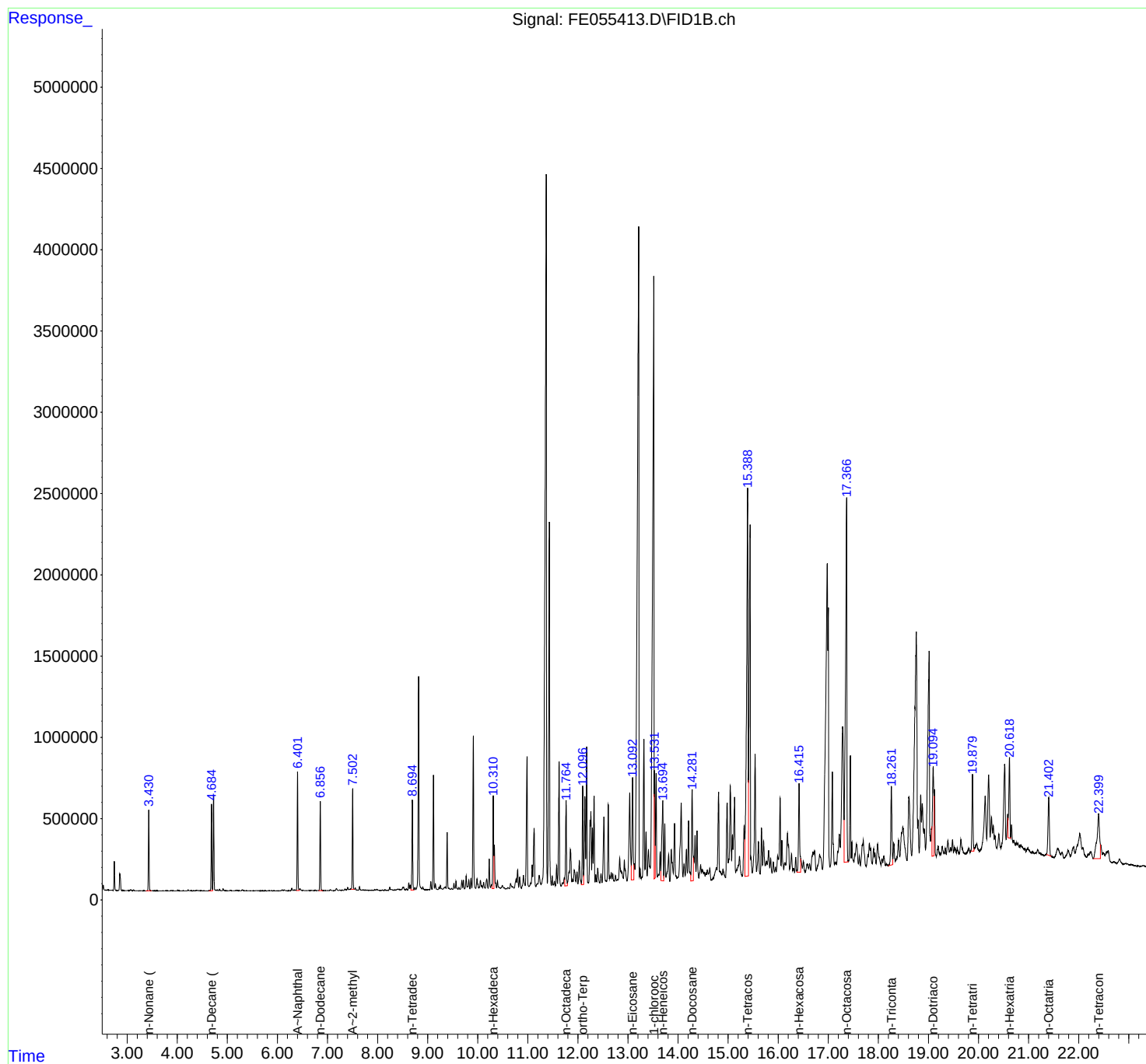
Instrument :
FID_E
ClientSampleId :
5MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

Integration File: autoint1.e
Quant Time: Aug 21 01:20:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :

FID_E

ClientSampleId :

5MS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE08202
Data File : FE055413.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 16:05
Sample : Q2868-07MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.853	2.804	2.895	BV	104078	1481480	1.63%	0.099%
2	2.911	2.895	3.031	VV	1374	17809	0.02%	0.001%
3	3.071	3.031	3.105	PV	7206	83020	0.09%	0.006%
4	3.128	3.105	3.152	VV	4835	46835	0.05%	0.003%
5	3.164	3.152	3.191	VV	284	3161	0.00%	0.000%
6	3.210	3.191	3.260	VV	227	3962	0.00%	0.000%
7	3.295	3.260	3.382	PV	317	8038	0.01%	0.001%
8	3.431	3.382	3.521	PV	499186	4858305	5.36%	0.323%
9	3.543	3.521	3.568	VV	580	8865	0.01%	0.001%
10	3.577	3.568	3.588	VV	415	3921	0.00%	0.000%
11	3.604	3.588	3.629	VV	428	6566	0.01%	0.000%
12	3.674	3.629	3.695	VV	335	7887	0.01%	0.001%
13	3.716	3.695	3.730	VV	368	3973	0.00%	0.000%
14	3.778	3.730	3.849	VV	2928	44846	0.05%	0.003%
15	3.880	3.849	3.936	PV	2993	47609	0.05%	0.003%
16	3.945	3.936	3.987	VV	232	5196	0.01%	0.000%
17	4.009	3.987	4.101	PV	3565	53304	0.06%	0.004%
18	4.116	4.101	4.153	VV	466	6569	0.01%	0.000%
19	4.158	4.153	4.174	VV	64	592	0.00%	0.000%
20	4.217	4.174	4.258	PV	6786	81337	0.09%	0.005%
21	4.271	4.258	4.307	VV	2272	29856	0.03%	0.002%
22	4.338	4.307	4.357	VV	1951	24906	0.03%	0.002%
23	4.384	4.357	4.414	VV	4566	70652	0.08%	0.005%
24	4.426	4.414	4.502	VV	2461	47319	0.05%	0.003%
25	4.512	4.502	4.524	VV	378	5095	0.01%	0.000%
26	4.537	4.524	4.574	VV	408	10049	0.01%	0.001%
27	4.578	4.574	4.594	VV	352	3299	0.00%	0.000%
28	4.684	4.594	4.704	VV	535904	5095310	5.62%	0.339%
29	4.725	4.704	4.777	VV	589699	5830533	6.43%	0.388%
30	4.796	4.777	4.824	VV	6958	99007	0.11%	0.007%
31	4.843	4.824	4.886	VV	10697	131474	0.14%	0.009%
32	4.915	4.886	4.954	VV	13360	174703	0.19%	0.012%
33	4.966	4.954	4.981	VV	1467	20495	0.02%	0.001%
34	4.992	4.981	5.030	VV	1134	25276	0.03%	0.002%
35	5.058	5.030	5.112	VV	3409	69616	0.08%	0.005%
36	5.132	5.112	5.150	VV	926	18945	0.02%	0.001%

					retention			
37	5.173	5.150	5.261	VV	2973	113859	0.13%	0.008%
38	5.302	5.261	5.358	VV	6169	124604		
39	5.385	5.358	5.414	VV	1090	29231		
40	5.439	5.414	5.460	VV	921	20251		
41	5.473	5.460	5.488	VV	679	9805		
42	5.500	5.488	5.515	VV	760	9668		
43	5.529	5.515	5.548	VV	719	9837	0.01%	0.001%
44	5.569	5.548	5.579	VV	1843	21103	0.02%	0.001%
45	5.592	5.579	5.611	VV	1868	26232	0.03%	0.002%
46	5.626	5.611	5.677	VV	1521	27193	0.03%	0.002%
47	5.690	5.677	5.714	VV	408	6195	0.01%	0.000%
48	5.729	5.714	5.742	VV	701	7733	0.01%	0.001%
49	5.759	5.742	5.801	VV	1002	14340	0.02%	0.001%
50	5.820	5.801	5.840	PV	2210	23187	0.03%	0.002%
51	5.874	5.840	5.914	VV	1613	30155	0.03%	0.002%
52	5.931	5.914	5.957	VV	910	9754	0.01%	0.001%
53	5.991	5.957	6.000	PV	173	3515	0.00%	0.000%
54	6.019	6.000	6.043	VV	415	5904	0.01%	0.000%
55	6.095	6.043	6.117	PV	6279	101882	0.11%	0.007%
56	6.136	6.117	6.203	VV	5517	110213	0.12%	0.007%
57	6.239	6.203	6.264	VV	1063	31905	0.04%	0.002%
58	6.286	6.264	6.313	VV	16310	191096	0.21%	0.013%
59	6.332	6.313	6.347	VV	7060	90205	0.10%	0.006%
60	6.358	6.347	6.373	VV	5014	60342	0.07%	0.004%
61	6.401	6.373	6.435	VV	727145	6991110	7.71%	0.465%
62	6.451	6.435	6.496	VV	13594	228918	0.25%	0.015%
63	6.512	6.496	6.542	VV	3062	49625	0.05%	0.003%
64	6.558	6.542	6.576	VV	967	15953	0.02%	0.001%
65	6.592	6.576	6.603	VV	824	11428	0.01%	0.001%
66	6.622	6.603	6.654	VV	1749	36477	0.04%	0.002%
67	6.672	6.654	6.682	VV	2185	27715	0.03%	0.002%
68	6.690	6.682	6.728	VV	1814	28709	0.03%	0.002%
69	6.751	6.728	6.785	VV	2354	42453	0.05%	0.003%
70	6.802	6.785	6.823	VV	1318	19957	0.02%	0.001%
71	6.856	6.823	6.911	VV	542671	5506774	6.07%	0.366%
72	6.925	6.911	6.949	VV	1103	17719	0.02%	0.001%
73	6.968	6.949	6.981	VV	845	10599	0.01%	0.001%
74	7.013	6.981	7.037	VV	1288	23676	0.03%	0.002%
75	7.057	7.037	7.128	VV	6369	87231	0.10%	0.006%
76	7.178	7.128	7.220	PV	13139	223355	0.25%	0.015%
77	7.243	7.220	7.263	VV	3543	59678	0.07%	0.004%
78	7.290	7.263	7.324	VV	4153	76439	0.08%	0.005%
79	7.346	7.324	7.363	VV	10330	132915	0.15%	0.009%
80	7.404	7.363	7.428	VV	18593	340737	0.38%	0.023%
81	7.454	7.428	7.463	VV	8839	162732	0.18%	0.011%
82	7.503	7.463	7.538	VV	621194	6363495	7.02%	0.423%
83	7.555	7.538	7.589	VV	16392	244245	0.27%	0.016%
84	7.602	7.589	7.618	VV	3331	46105	0.05%	0.003%
85	7.639	7.618	7.672	VV	24590	295729	0.33%	0.020%
86	7.699	7.672	7.750	VV	3102	109428	0.12%	0.007%
87	7.770	7.750	7.788	VV	2319	39523	0.04%	0.003%
88	7.805	7.788	7.824	VV	2986	35197	0.04%	0.002%
89	7.861	7.824	7.877	VV	1730	36918	0.04%	0.002%

Instrument :

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Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

90	7.890	7.877	7.922	VV	1805	31211	0.03%	0.002%
91	7.943	7.922	7.956	VV	4897	56005		
92	7.987	7.956	8.050	VV	7575	155141		
93	8.063	8.050	8.077	VV	960	8615		
94	8.099	8.077	8.128	VV	3788	46145		
95	8.146	8.128	8.176	VV	4928	52205		
96	8.193	8.176	8.211	PV	1036	10270	0.01%	0.001%
97	8.242	8.211	8.313	VV	20397	350752	0.39%	0.023%
98	8.346	8.313	8.363	VV	3172	49225	0.05%	0.003%
99	8.404	8.363	8.417	VV	6967	145394	0.16%	0.010%
100	8.430	8.417	8.458	VV	6327	112392	0.12%	0.007%
101	8.517	8.458	8.554	VV	20133	491081	0.54%	0.033%
102	8.575	8.554	8.596	VV	9676	117958	0.13%	0.008%
103	8.623	8.596	8.638	VV	45369	503202	0.55%	0.033%
104	8.651	8.638	8.665	VV	31757	325480	0.36%	0.022%
105	8.694	8.665	8.725	VV	556707	6011977	6.63%	0.400%
106	8.744	8.725	8.762	VV	14486	179299	0.20%	0.012%
107	8.818	8.762	8.885	VV	1308691	14982180	16.52%	0.996%
108	8.902	8.885	8.939	VV	19059	262054	0.29%	0.017%
109	8.947	8.939	8.966	VV	1855	20127	0.02%	0.001%
110	8.991	8.966	9.000	VV	1795	23820	0.03%	0.002%
111	9.016	9.000	9.038	VV	3468	46185	0.05%	0.003%
112	9.063	9.038	9.085	PV	50973	540986	0.60%	0.036%
113	9.115	9.085	9.138	VV	699599	7053952	7.78%	0.469%
114	9.154	9.138	9.204	VV	36929	481543	0.53%	0.032%
115	9.226	9.204	9.239	VV	16772	187436	0.21%	0.012%
116	9.255	9.239	9.294	VV	25939	366510	0.40%	0.024%
117	9.351	9.294	9.364	VV	18197	434725	0.48%	0.029%
118	9.388	9.364	9.414	VV	353548	3572133	3.94%	0.238%
119	9.424	9.414	9.454	VV	10316	142815	0.16%	0.009%
120	9.477	9.454	9.498	VV	8666	118930	0.13%	0.008%
121	9.524	9.498	9.548	VV	38576	456823	0.50%	0.030%
122	9.566	9.548	9.605	VV	52173	628261	0.69%	0.042%
123	9.624	9.605	9.647	VV	13965	158783	0.18%	0.011%
124	9.683	9.647	9.699	VV	55755	734091	0.81%	0.049%
125	9.715	9.699	9.736	VV	58774	608043	0.67%	0.040%
126	9.768	9.736	9.791	VV	83786	1065728	1.18%	0.071%
127	9.822	9.791	9.843	VV	58258	857850	0.95%	0.057%
128	9.864	9.843	9.882	VV	67743	767268	0.85%	0.051%
129	9.911	9.882	9.959	VV	942460	10923025	12.05%	0.726%
130	9.985	9.959	10.018	VV	65764	1072825	1.18%	0.071%
131	10.054	10.018	10.073	VV	55130	904800	1.00%	0.060%
132	10.082	10.073	10.097	VV	23343	267171	0.29%	0.018%
133	10.118	10.097	10.148	VV	42527	639498	0.71%	0.043%
134	10.179	10.148	10.205	VV	62237	1099334	1.21%	0.073%
135	10.229	10.205	10.256	VV	184198	2101709	2.32%	0.140%
136	10.275	10.256	10.283	VV	26813	334486	0.37%	0.022%
137	10.310	10.283	10.375	VV	576771	9641550	10.63%	0.641%
138	10.394	10.375	10.448	VV	52639	827278	0.91%	0.055%
139	10.491	10.448	10.519	VV	22269	492624	0.54%	0.033%
140	10.531	10.519	10.556	VV	8398	105281	0.12%	0.007%
141	10.602	10.556	10.634	PV	7785	157630	0.17%	0.010%

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

				rters				
142	10.655	10.634	10.685	VV	32373	536242	0.59%	0.036%
143	10.697	10.685	10.724	VV	14505	214095		
144	10.766	10.724	10.778	VV	58773	1030061		
145	10.796	10.778	10.818	VV	115648	1562039		
146	10.837	10.818	10.871	VV	68176	963132		
147	10.913	10.871	10.947	VV	80065	1462703		
148	10.984	10.947	11.024	VV	815493	10780729	11.89%	0.717%
149	11.088	11.024	11.099	VV	141914	2201131	2.43%	0.146%
150	11.125	11.099	11.161	VV	365965	5820021	6.42%	0.387%
151	11.228	11.161	11.262	VV	75160	2067655	2.28%	0.138%
152	11.366	11.262	11.390	VV	4470084	86227706	95.10%	5.734%
153	11.429	11.390	11.470	VV	2176412	29239914	32.25%	1.945%
154	11.487	11.470	11.509	VV	68035	773158	0.85%	0.051%
155	11.532	11.509	11.551	VV	35926	509286	0.56%	0.034%
156	11.576	11.551	11.594	VV	134073	1611209	1.78%	0.107%
157	11.624	11.594	11.662	VV	768865	9451289	10.42%	0.629%
158	11.693	11.662	11.707	VV	23933	403855	0.45%	0.027%
159	11.728	11.707	11.736	VV	53825	680395	0.75%	0.045%
160	11.764	11.736	11.788	VV	528996	6594205	7.27%	0.439%
161	11.852	11.788	11.879	VV	226571	5509546	6.08%	0.366%
162	11.890	11.879	11.904	VV	41550	530991	0.59%	0.035%
163	11.929	11.904	11.958	VV	98470	2087874	2.30%	0.139%
164	11.982	11.958	12.001	VV	85336	1318703	1.45%	0.088%
165	12.029	12.001	12.068	VV	153914	2603102	2.87%	0.173%
166	12.096	12.068	12.115	VV	606570	7018782	7.74%	0.467%
167	12.139	12.115	12.155	VV	546010	7433991	8.20%	0.494%
168	12.174	12.155	12.214	VV	853166	9831576	10.84%	0.654%
169	12.258	12.214	12.274	VV	451065	9273542	10.23%	0.617%
170	12.290	12.274	12.304	VV	351580	4144570	4.57%	0.276%
171	12.322	12.304	12.343	VV	542636	6471685	7.14%	0.430%
172	12.357	12.343	12.375	VV	64785	822857	0.91%	0.055%
173	12.396	12.375	12.436	VV	103233	1841002	2.03%	0.122%
174	12.461	12.436	12.482	VV	68027	1048923	1.16%	0.070%
175	12.519	12.482	12.572	VV	414210	6981424	7.70%	0.464%
176	12.606	12.572	12.628	VV	489974	6135970	6.77%	0.408%
177	12.639	12.628	12.649	VV	48615	558877	0.62%	0.037%
178	12.666	12.649	12.683	VV	71362	1112202	1.23%	0.074%
179	12.697	12.683	12.731	VV	63758	1050596	1.16%	0.070%
180	12.751	12.731	12.771	VV	52992	859436	0.95%	0.057%
181	12.789	12.771	12.801	VV	29504	473581	0.52%	0.031%
182	12.834	12.801	12.907	VV	160760	4799006	5.29%	0.319%
183	12.927	12.907	12.981	VV	146355	3158543	3.48%	0.210%
184	13.034	12.981	13.065	VV	561952	11354002	12.52%	0.755%
185	13.092	13.065	13.138	VV	649037	11217021	12.37%	0.746%
186	13.212	13.138	13.230	VV	3901688	90672059	100.00%	6.030%
187	13.242	13.230	13.264	VV	90598	1181873	1.30%	0.079%
188	13.317	13.264	13.340	VV	880086	12424459	13.70%	0.826%
189	13.360	13.340	13.383	VV	316152	4315469	4.76%	0.287%
190	13.409	13.383	13.444	VV	202442	4561715	5.03%	0.303%
191	13.513	13.444	13.546	VV	3668807	79886269	88.10%	5.313%
192	13.562	13.546	13.588	VV	672997	7784668	8.59%	0.518%
193	13.609	13.588	13.619	VV	51321	832871	0.92%	0.055%
194	13.643	13.619	13.656	VV	186562	2469223	2.72%	0.164%

Instrument :

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SMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

							Instrument : FID_E ClientSampleId : SMS	
195	13.694	13.656	13.715	VV	503876	9504407	10.48%	0.632%
196	13.735	13.715	13.759	VV	360619	4346365	Manual IntegrationsAPPROVED	
197	13.812	13.759	13.836	VV	170021	3600279		
198	13.865	13.836	13.904	VV	198763	4176428		
199	13.930	13.904	13.978	VV	361046	5799666		
200	14.063	13.978	14.098	VV	477259	11340539		
201	14.121	14.098	14.143	VV	106922	1852043	2.04%	0.123%
202	14.167	14.143	14.187	VV	197752	2981396	3.29%	0.198%
203	14.210	14.187	14.253	VV	374469	5574875	6.15%	0.371%
204	14.281	14.253	14.323	VV	559862	9885224	10.90%	0.657%
205	14.340	14.323	14.359	VV	281901	3751924	4.14%	0.250%
206	14.379	14.359	14.414	VV	305681	4432684	4.89%	0.295%
207	14.451	14.414	14.468	VV	98631	1896714	2.09%	0.126%
208	14.479	14.468	14.510	VV	69139	1481319	1.63%	0.099%
209	14.520	14.510	14.540	VV	52175	792513	0.87%	0.053%
210	14.557	14.540	14.569	VV	48065	681253	0.75%	0.045%
211	14.585	14.569	14.604	VV	64490	1082993	1.19%	0.072%
212	14.634	14.604	14.661	VV	71074	1431808	1.58%	0.095%
213	14.696	14.661	14.707	PV	14498	214853	0.24%	0.014%
214	14.764	14.707	14.776	VV	76422	1963512	2.17%	0.131%
215	14.809	14.776	14.877	VV	534172	9253282	10.21%	0.615%
216	14.898	14.877	14.946	VV	65682	1546133	1.71%	0.103%
217	14.979	14.946	15.001	VV	467416	6944306	7.66%	0.462%
218	15.044	15.001	15.069	VV	566889	11246765	12.40%	0.748%
219	15.087	15.069	15.098	VV	268514	3666350	4.04%	0.244%
220	15.128	15.098	15.151	VV	496930	8832472	9.74%	0.587%
221	15.227	15.151	15.284	VV	137009	5143493	5.67%	0.342%
222	15.319	15.284	15.333	VV	322238	5216653	5.75%	0.347%
223	15.387	15.333	15.407	VV	2390633	49774366	54.89%	3.310%
224	15.437	15.407	15.481	VV	2181624	35900713	39.59%	2.388%
225	15.538	15.481	15.567	VV	763272	12609140	13.91%	0.839%
226	15.605	15.567	15.637	VV	222766	4176416	4.61%	0.278%
227	15.666	15.637	15.687	VV	304891	4358089	4.81%	0.290%
228	15.708	15.687	15.744	VV	223734	4477069	4.94%	0.298%
229	15.766	15.744	15.780	VV	94134	1806616	1.99%	0.120%
230	15.808	15.780	15.831	VV	163661	3364069	3.71%	0.224%
231	15.848	15.831	15.875	VV	117315	1892886	2.09%	0.126%
232	15.903	15.875	15.924	VV	89613	1600894	1.77%	0.106%
233	15.944	15.924	15.960	VV	59187	920305	1.01%	0.061%
234	15.989	15.960	16.006	VV	129291	2487406	2.74%	0.165%
235	16.037	16.006	16.056	VV	482989	7330928	8.09%	0.488%
236	16.074	16.056	16.110	VV	221668	3806954	4.20%	0.253%
237	16.135	16.110	16.151	VV	80074	1738569	1.92%	0.116%
238	16.184	16.151	16.228	VV	262087	7290518	8.04%	0.485%
239	16.265	16.228	16.291	VV	134247	2914635	3.21%	0.194%
240	16.308	16.291	16.327	VV	46590	782274	0.86%	0.052%
241	16.349	16.327	16.379	VV	112979	1844821	2.03%	0.123%
242	16.417	16.379	16.481	VV	558936	10776914	11.89%	0.717%
243	16.503	16.481	16.538	VV	81578	1710864	1.89%	0.114%
244	16.576	16.538	16.607	VV	65281	1890940	2.09%	0.126%
245	16.626	16.607	16.650	VV	67461	1275439	1.41%	0.085%
246	16.695	16.650	16.709	VV	136840	3596347	3.97%	0.239%

				rters				
247	16.726	16.709	16.759	VV	145267	2970103	3.28%	0.198%
248	16.827	16.759	16.883	VV	120893	5294944		
249	16.978	16.883	17.034	VV	1907512	70413801	77.53%	0.198%
250	17.081	17.034	17.121	VV	627333	11211881	12.28%	0.198%
251	17.154	17.121	17.165	VV	64982	1582169		
252	17.220	17.165	17.239	VV	239202	6679599		
253	17.288	17.239	17.315	VV	894750	25140266	27.73%	1.672%
254	17.364	17.315	17.401	VV	2262471	45994903	50.73%	3.059%
255	17.441	17.401	17.458	VV	722221	10154781	11.20%	0.675%
256	17.472	17.458	17.511	VV	186300	3589031	3.96%	0.239%
257	17.562	17.511	17.602	VV	170255	6260246	6.90%	0.416%
258	17.621	17.602	17.641	VV	98889	1626343	1.79%	0.108%
259	17.699	17.641	17.757	VV	190934	7415451	8.18%	0.493%
260	17.821	17.757	17.881	VV	172546	7260209	8.01%	0.483%
261	17.905	17.881	17.921	VV	137969	2425833	2.68%	0.161%
262	17.932	17.921	17.954	VV	111401	1652118	1.82%	0.110%
263	17.985	17.954	18.052	VV	165167	5391844	5.95%	0.359%
264	18.072	18.052	18.087	VV	71425	1231812	1.36%	0.082%
265	18.108	18.087	18.141	VV	89970	2071113	2.28%	0.138%
266	18.159	18.141	18.169	VV	40330	592303	0.65%	0.039%
267	18.174	18.169	18.193	VV	35677	471326	0.52%	0.031%
268	18.260	18.193	18.289	VV	515167	9392549	10.36%	0.625%
269	18.310	18.289	18.341	VV	159521	3191383	3.52%	0.212%
270	18.403	18.341	18.428	VV	180669	5372227	5.92%	0.357%
271	18.488	18.428	18.571	VV	260812	13926011	15.36%	0.926%
272	18.611	18.571	18.664	VV	437240	13016654	14.36%	0.866%
273	18.757	18.664	18.815	VV	1438994	54132158	59.70%	3.600%
274	18.845	18.815	18.861	VV	449383	7732128	8.53%	0.514%
275	18.877	18.861	18.907	VV	397262	8660930	9.55%	0.576%
276	18.918	18.907	18.941	VV	239875	3989713	4.40%	0.265%
277	19.012	18.941	19.041	VV	1311073	34869700	38.46%	2.319%
278	19.094	19.041	19.157	VV	623715	21836625	24.08%	1.452%
279	19.194	19.157	19.228	VV	129322	4231326	4.67%	0.281%
280	19.237	19.228	19.248	VV	84821	1018060	1.12%	0.068%
281	19.275	19.248	19.314	VV	129831	4000343	4.41%	0.266%
282	19.336	19.314	19.355	VV	114593	2380406	2.63%	0.158%
283	19.387	19.355	19.420	VV	156020	4616880	5.09%	0.307%
284	19.441	19.420	19.456	VV	119013	2301886	2.54%	0.153%
285	19.480	19.456	19.501	VV	166834	3329499	3.67%	0.221%
286	19.518	19.501	19.556	VV	116770	3415925	3.77%	0.227%
287	19.576	19.556	19.611	VV	110703	3051025	3.36%	0.203%
288	19.648	19.611	19.733	VV	164614	7490428	8.26%	0.498%
289	19.809	19.733	19.832	VV	106907	5207426	5.74%	0.346%
290	19.880	19.832	19.914	VV	555906	10744885	11.85%	0.715%
291	19.965	19.914	20.020	VV	131645	7011842	7.73%	0.466%
292	20.132	20.020	20.163	VV	423003	16929906	18.67%	1.126%
293	20.201	20.163	20.233	VV	552638	14385990	15.87%	0.957%
294	20.258	20.233	20.279	VV	291705	6497607	7.17%	0.432%
295	20.294	20.279	20.316	VV	235153	4540240	5.01%	0.302%
296	20.329	20.316	20.359	VV	172313	3626972	4.00%	0.241%
297	20.406	20.359	20.444	VV	183663	6654949	7.34%	0.443%
298	20.523	20.444	20.551	VV	611320	17940104	19.79%	1.193%
299	20.582	20.551	20.591	VV	300979	5603648	6.18%	0.373%

Instrument :

FID_E

ClientSampleId :

SMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

				rters			
300	20.618	20.591	20.642	VV	652861	12347633	13.62% 0.821%
301	20.659	20.642	20.688	VV	236477	5064499	
302	20.697	20.688	20.732	VV	136756	3389478	
303	20.754	20.732	20.771	VV	123210	2701262	
304	20.787	20.771	20.814	VV	122785	2944174	
305	20.844	20.814	20.911	VV	109336	5578936	
306	20.922	20.911	20.948	VV	86285	1808358	1.99% 0.120%
307	20.983	20.948	21.053	VV	84925	4605600	5.08% 0.306%
308	21.064	21.053	21.114	VV	61120	2136571	2.36% 0.142%
309	21.141	21.114	21.154	VV	57394	1346119	1.48% 0.090%
310	21.183	21.154	21.268	VV	74691	3853507	4.25% 0.256%
311	21.274	21.268	21.314	VV	43923	1101743	1.22% 0.073%
312	21.403	21.314	21.509	VV	391922	10692268	11.79% 0.711%
313	21.578	21.509	21.642	VV	77580	3963950	4.37% 0.264%
314	21.668	21.642	21.704	VV	49516	1362142	1.50% 0.091%
315	21.787	21.704	21.837	VV	58832	2699113	2.98% 0.179%
316	21.896	21.837	21.926	VV	76421	2872425	3.17% 0.191%
317	22.022	21.926	22.067	VV	159854	8187112	9.03% 0.544%
318	22.084	22.067	22.151	VV	68606	2081812	2.30% 0.138%
319	22.189	22.151	22.205	VV	31747	701491	0.77% 0.047%
320	22.241	22.205	22.291	VV	45250	1383657	1.53% 0.092%
321	22.398	22.291	22.473	PV	259413	9973881	11.00% 0.663%
Sum of corrected areas:					1503684560		

Instrument :
FID_E
ClientSampleId :
SMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

Aliphatic EPH 080125.M Thu Aug 21 02:47:05 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	
Project:	507 Franklin Ave	Date Received:	
Client Sample ID:	5MSD	SDG No.:	Q2868
Lab Sample ID:	Q2868-07MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/20/25 08:15	08/20/25 16:35	PB169321

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C28	Aliphatic C9-C28	541	E	1	0.95	4.16	mg/kg	FE055414.D
Total EPH	Total EPH	541			0.95	4.16	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	
Project:	507 Franklin Ave	Date Received:	
Client Sample ID:	5MSD	SDG No.:	Q2868
Lab Sample ID:	Q2868-07MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_F2
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055414.D	1	08/20/25	08/20/25	PB169321

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	541	E	0.95	4.16	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	251	E	1.23	2.08	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	58.8		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.8		40 - 140	88%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2868-07MSD	Acq On:	20 Aug 2025 16:35
Client Sample ID:	5MSD	Operator:	YP\AJ
Data file:	FE055414.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.956	29211675	250.137	300	ug/ml
Aliphatic C12-C16	6.957	10.409	72840059	581.664	200	ug/ml
Aliphatic C16-C21	10.410	13.790	440401455	3480	300	ug/ml
Aliphatic C21-C28	13.791	17.463	421215202	3500	400	ug/ml
Aliphatic C28-C40	17.464	22.490	413870834	3630	600	ug/ml
Aliphatic EPH	3.321	22.490	1377539225	11400		ug/ml
ortho-Terphenyl (SURR)	12.095	12.095	6252659	43.78		ug/ml
1-chlorooctadecane (SURR)	13.530	13.530	6316589	58.75		ug/ml
Aliphatic C9-C28	3.321	17.463	963668391	7810	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
 Data File : FE055414.D
 Signal(s) : FID1B.ch
 Acq On : 20 Aug 2025 16:35
 Operator : YP\AJ
 Sample : Q2868-07MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2025
 Supervised By :mohammad ahmed 08/22/2025

Integration File: autoint1.e
 Quant Time: Aug 21 01:49:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.095	6252659	43.785 ug/ml
Spiked Amount 50.000		Recovery =	87.57%
12) S 1-chlorooctadecane (S...	13.530	6316589	58.746 ug/mlm
Spiked Amount 50.000		Recovery =	117.49%
Target Compounds			
1) T n-Nonane (C9)	3.430	4621084	40.264 ug/ml
2) T n-Decane (C10)	4.683	4828951	41.452 ug/ml
3) T A~Naphthalene (C11.7)	6.401	6540502	48.726 ug/ml
4) T n-Dodecane (C12)	6.856	5182902	43.524 ug/ml
5) T A~2-methylnaphthalene...	7.502	5666893	43.463 ug/mlm
6) T n-Tetradecane (C14)	8.694	5684255	46.360 ug/ml
7) T n-Hexadecane (C16)	10.310	6070513	47.484 ug/ml
8) T n-Octadecane (C18)	11.764	6272594	48.075 ug/ml
10) T n-Eicosane (C20)	13.089	9033678	71.998 ug/mlm
11) T n-Heneicosane (C21)	13.694	6549038	53.129 ug/mlm
13) T n-Docosane (C22)	14.281	7955340	65.144 ug/mlm
14) T n-Tetracosane (C24)	15.385	45297044	372.405 ug/ml
15) T n-Hexacosane (C26)	16.416	8553700	71.492 ug/mlm
16) T n-Octacosane (C28)	17.361	42495155	358.235 ug/ml
17) T n-Tricontane (C30)	18.261	7043093	57.238 ug/mlm
18) T n-Dotriacontane (C32)	19.096	10752074	88.124 ug/mlm
19) T n-Tetratriacontane (C34)	19.878	5991951	51.249 ug/mlm
20) T n-Hexatriacontane (C36)	20.617	7517175	68.776 ug/mlm
21) T n-Octatriacontane (C38)	21.401	6426704	59.468 ug/mlm
22) T n-Tetracontane (C40)	22.395	8318032	79.542 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082025AL\
Data File : FE055414.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 16:35
Operator : YP\AJ
Sample : Q2868-07MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

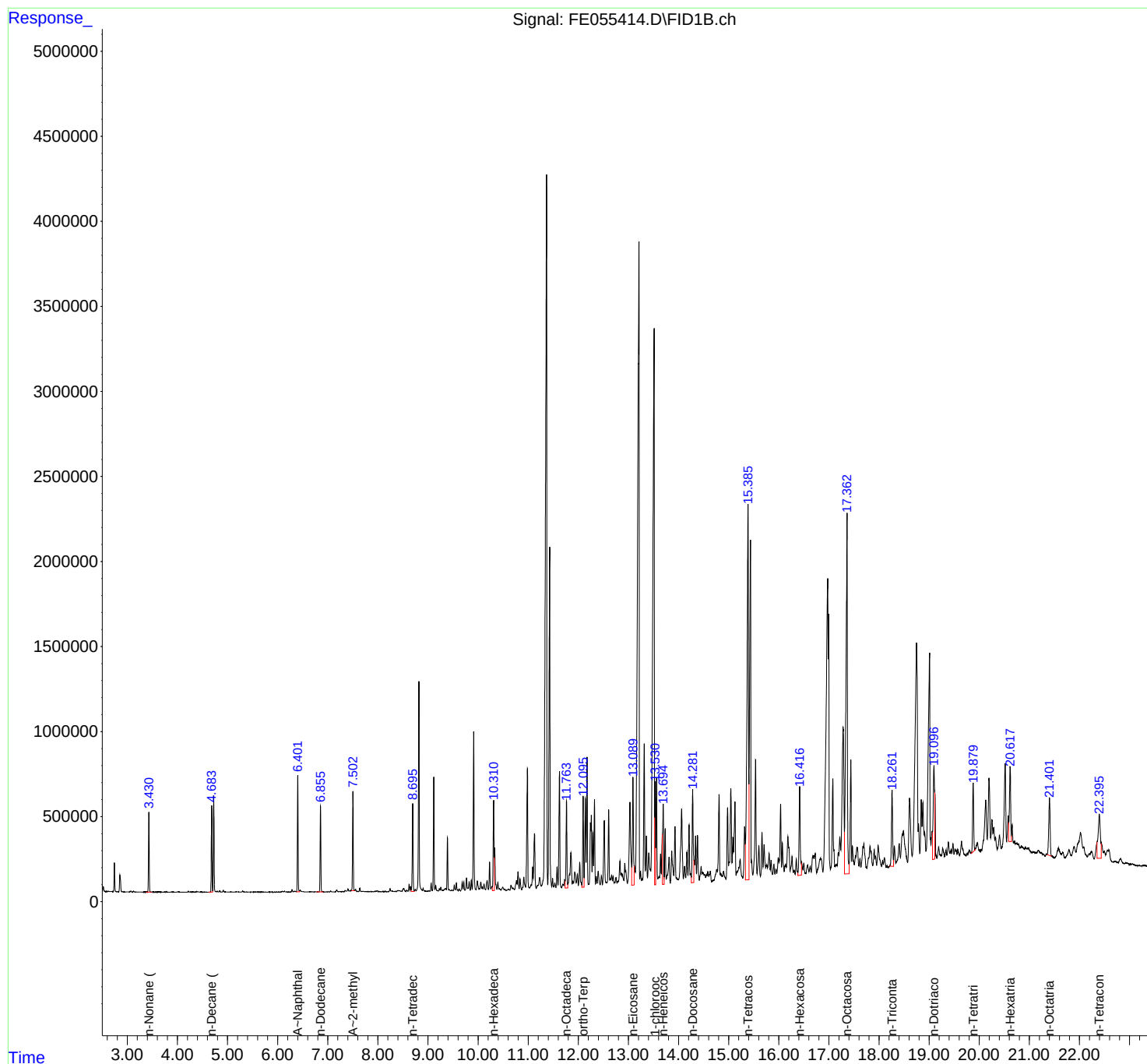
Instrument :
FID_E
ClientSampleId :
5MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

Integration File: autoint1.e
Quant Time: Aug 21 01:49:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_E

ClientSampleId :

5MSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE08202
Data File : FE055414.D
Signal(s) : FID1B.ch
Acq On : 20 Aug 2025 16:35
Sample : Q2868-07MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.852	2.804	2.896	BV	97629	1412685	1.71%	0.102%
2	2.910	2.896	2.964	VV	1289	16255	0.02%	0.001%
3	2.975	2.964	3.027	PV	146	3194	0.00%	0.000%
4	3.070	3.027	3.105	PV	6389	72711	0.09%	0.005%
5	3.128	3.105	3.152	VV	4552	43511	0.05%	0.003%
6	3.163	3.152	3.184	VV	244	2273	0.00%	0.000%
7	3.209	3.184	3.254	PV	179	4062	0.00%	0.000%
8	3.297	3.254	3.358	PV	359	7632	0.01%	0.001%
9	3.362	3.358	3.384	PV	96	498	0.00%	0.000%
10	3.430	3.384	3.523	VV	471024	4648756	5.61%	0.336%
11	3.544	3.523	3.563	VV	476	7113	0.01%	0.001%
12	3.577	3.563	3.594	VV	334	4780	0.01%	0.000%
13	3.606	3.594	3.633	VV	355	5481	0.01%	0.000%
14	3.643	3.633	3.692	VV	252	6665	0.01%	0.000%
15	3.716	3.692	3.741	PV	325	4212	0.01%	0.000%
16	3.778	3.741	3.856	VV	2665	39284	0.05%	0.003%
17	3.880	3.856	3.987	PV	2551	44388	0.05%	0.003%
18	4.009	3.987	4.058	VV	3166	41544	0.05%	0.003%
19	4.067	4.058	4.083	VV	209	1640	0.00%	0.000%
20	4.116	4.083	4.174	VV	402	6780	0.01%	0.000%
21	4.217	4.174	4.258	PV	6012	71921	0.09%	0.005%
22	4.271	4.258	4.314	VV	1987	27382	0.03%	0.002%
23	4.338	4.314	4.361	VV	1781	21496	0.03%	0.002%
24	4.384	4.361	4.413	VV	4228	62131	0.07%	0.004%
25	4.426	4.413	4.472	VV	2210	37012	0.04%	0.003%
26	4.483	4.472	4.509	VV	390	7533	0.01%	0.001%
27	4.537	4.527	4.560	VV	372	5354	0.01%	0.000%
28	4.573	4.560	4.596	VV	281	4959	0.01%	0.000%
29	4.631	4.596	4.646	VV	321	7802	0.01%	0.001%
30	4.683	4.646	4.704	VV	507420	4842298	5.85%	0.350%
31	4.725	4.704	4.777	VV	566653	5538187	6.69%	0.400%
32	4.795	4.777	4.820	VV	6514	87825	0.11%	0.006%
33	4.843	4.820	4.888	VV	10019	126285	0.15%	0.009%
34	4.914	4.888	4.954	VV	12219	157578	0.19%	0.011%
35	4.966	4.954	4.983	VV	1303	20342	0.02%	0.001%
36	4.993	4.983	5.030	VV	1125	21819	0.03%	0.002%

					nteres			
37	5.059	5.030	5.118	VV	3064	63508	0.08%	0.005%
38	5.137	5.118	5.148	VV	770	12613		
39	5.172	5.148	5.266	VV	2657	103258		
40	5.303	5.266	5.358	VV	5610	111291		
41	5.385	5.358	5.414	VV	995	26309		
42	5.441	5.414	5.461	VV	832	19071		
43	5.475	5.461	5.485	VV	615	7824	0.01%	0.001%
44	5.501	5.485	5.517	VV	651	10634	0.01%	0.001%
45	5.530	5.517	5.551	VV	683	8867	0.01%	0.001%
46	5.569	5.551	5.579	VV	1677	17962	0.02%	0.001%
47	5.593	5.579	5.612	VV	1678	23762	0.03%	0.002%
48	5.626	5.612	5.688	VV	1326	24572	0.03%	0.002%
49	5.694	5.688	5.709	VV	343	3123	0.00%	0.000%
50	5.731	5.709	5.743	VV	715	7772	0.01%	0.001%
51	5.760	5.743	5.800	VV	985	13463	0.02%	0.001%
52	5.820	5.800	5.840	PV	2004	21613	0.03%	0.002%
53	5.874	5.840	5.910	VV	1420	27445	0.03%	0.002%
54	5.932	5.910	5.955	VV	831	9663	0.01%	0.001%
55	6.022	5.955	6.044	PV	473	10262	0.01%	0.001%
56	6.095	6.044	6.117	VV	5687	93674	0.11%	0.007%
57	6.136	6.117	6.201	VV	5153	103330	0.12%	0.007%
58	6.241	6.201	6.263	VV	1148	30908	0.04%	0.002%
59	6.286	6.263	6.318	VV	14982	179544	0.22%	0.013%
60	6.333	6.318	6.347	VV	6497	77126	0.09%	0.006%
61	6.358	6.347	6.373	VV	4594	55671	0.07%	0.004%
62	6.401	6.373	6.435	VV	683783	6605605	7.97%	0.477%
63	6.451	6.435	6.496	VV	12926	218543	0.26%	0.016%
64	6.512	6.496	6.542	VV	3209	53531	0.06%	0.004%
65	6.557	6.542	6.576	VV	1003	17438	0.02%	0.001%
66	6.591	6.576	6.603	VV	856	12038	0.01%	0.001%
67	6.623	6.603	6.658	VV	1729	36888	0.04%	0.003%
68	6.672	6.658	6.682	VV	2064	23463	0.03%	0.002%
69	6.689	6.682	6.728	VV	1686	28155	0.03%	0.002%
70	6.752	6.728	6.784	VV	2113	35263	0.04%	0.003%
71	6.802	6.784	6.822	VV	1215	17726	0.02%	0.001%
72	6.856	6.822	6.914	VV	506242	5232032	6.32%	0.378%
73	6.927	6.914	6.954	VV	967	16663	0.02%	0.001%
74	6.968	6.954	6.980	VV	748	8622	0.01%	0.001%
75	7.013	6.980	7.036	VV	1158	21977	0.03%	0.002%
76	7.058	7.036	7.131	VV	5965	79315	0.10%	0.006%
77	7.178	7.131	7.220	PV	11990	204622	0.25%	0.015%
78	7.243	7.220	7.264	VV	3239	55133	0.07%	0.004%
79	7.290	7.264	7.324	VV	3856	68990	0.08%	0.005%
80	7.346	7.324	7.363	VV	9458	118178	0.14%	0.009%
81	7.404	7.363	7.427	VV	17357	314836	0.38%	0.023%
82	7.502	7.427	7.538	VV	583151	6167342	7.44%	0.445%
83	7.555	7.538	7.588	VV	15500	231660	0.28%	0.017%
84	7.602	7.588	7.618	VV	2942	43886	0.05%	0.003%
85	7.639	7.618	7.672	VV	22086	270866	0.33%	0.020%
86	7.698	7.672	7.750	VV	3028	100364	0.12%	0.007%
87	7.769	7.750	7.788	VV	2092	35389	0.04%	0.003%
88	7.804	7.788	7.824	VV	2750	32819	0.04%	0.002%
89	7.862	7.824	7.877	VV	1419	32529	0.04%	0.002%

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90	7.890	7.877	7.922	VV	1641	26751	0.03%	0.002%
91	7.944	7.922	7.957	VV	4336	50361		
92	7.987	7.957	8.050	VV	6822	136169		
93	8.063	8.050	8.077	VV	763	6642		
94	8.099	8.077	8.128	VV	3540	41075		
95	8.147	8.128	8.178	VV	4634	45429		
96	8.193	8.178	8.208	PV	804	8122	0.01%	0.001%
97	8.242	8.208	8.312	VV	18343	316425	0.38%	0.023%
98	8.346	8.312	8.363	VV	2774	43468	0.05%	0.003%
99	8.404	8.363	8.418	VV	6161	134008	0.16%	0.010%
100	8.431	8.418	8.457	VV	5819	99772	0.12%	0.007%
101	8.517	8.457	8.555	VV	18537	444790	0.54%	0.032%
102	8.575	8.555	8.597	VV	9098	107403	0.13%	0.008%
103	8.623	8.597	8.639	VV	42021	457161	0.55%	0.033%
104	8.652	8.639	8.665	VV	29244	296812	0.36%	0.021%
105	8.694	8.665	8.725	VV	519331	5698931	6.88%	0.411%
106	8.744	8.725	8.762	VV	13254	162713	0.20%	0.012%
107	8.818	8.762	8.885	VV	1237565	13918055	16.80%	1.005%
108	8.902	8.885	8.966	VV	17581	256857	0.31%	0.019%
109	8.992	8.966	9.001	VV	1770	22464	0.03%	0.002%
110	9.016	9.001	9.041	VV	3225	41289	0.05%	0.003%
111	9.063	9.041	9.085	PV	46591	492203	0.59%	0.036%
112	9.115	9.085	9.138	VV	667526	6689286	8.07%	0.483%
113	9.154	9.138	9.203	VV	33731	446065	0.54%	0.032%
114	9.226	9.203	9.240	VV	15380	173157	0.21%	0.012%
115	9.255	9.240	9.294	VV	23638	336150	0.41%	0.024%
116	9.351	9.294	9.364	VV	16705	398598	0.48%	0.029%
117	9.388	9.364	9.414	VV	314937	3253252	3.93%	0.235%
118	9.423	9.414	9.454	VV	9647	135397	0.16%	0.010%
119	9.478	9.454	9.501	VV	8277	113384	0.14%	0.008%
120	9.525	9.501	9.546	VV	35599	404407	0.49%	0.029%
121	9.566	9.546	9.605	VV	47503	583516	0.70%	0.042%
122	9.623	9.605	9.647	VV	12824	144554	0.17%	0.010%
123	9.683	9.647	9.700	VV	50824	667350	0.81%	0.048%
124	9.715	9.700	9.736	VV	52543	555213	0.67%	0.040%
125	9.769	9.736	9.792	VV	76618	979034	1.18%	0.071%
126	9.822	9.792	9.843	VV	53644	777162	0.94%	0.056%
127	9.864	9.843	9.882	VV	63016	701770	0.85%	0.051%
128	9.912	9.882	9.959	VV	913126	10225601	12.34%	0.738%
129	9.985	9.959	10.018	VV	57887	977630	1.18%	0.071%
130	10.054	10.018	10.097	VV	50873	1072958	1.30%	0.077%
131	10.118	10.097	10.149	VV	39842	593590	0.72%	0.043%
132	10.179	10.149	10.205	VV	58454	1001895	1.21%	0.072%
133	10.230	10.205	10.256	VV	168461	1916329	2.31%	0.138%
134	10.275	10.256	10.283	VV	24272	302029	0.36%	0.022%
135	10.310	10.283	10.375	VV	533722	9029362	10.90%	0.652%
136	10.395	10.375	10.450	VV	48373	768942	0.93%	0.056%
137	10.492	10.450	10.519	VV	19991	443092	0.53%	0.032%
138	10.531	10.519	10.556	VV	8004	98099	0.12%	0.007%
139	10.602	10.556	10.632	PV	7350	144048	0.17%	0.010%
140	10.656	10.632	10.685	VV	29162	492174	0.59%	0.036%
141	10.697	10.685	10.724	VV	13162	194684	0.23%	0.014%

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142	10.766	10.724	10.778	VV	55289	947888	1.14%	0.068%
143	10.797	10.778	10.819	VV	106446	1429800		
144	10.838	10.819	10.871	VV	64090	875621		
145	10.913	10.871	10.947	VV	73464	1337524		
146	10.983	10.947	11.024	VV	716761	9834998	11.14%	0.068%
147	11.088	11.024	11.100	VV	130007	2026612		
148	11.125	11.100	11.161	VV	327050	5290883	6.39%	0.382%
149	11.228	11.161	11.259	VV	67649	1856998	2.24%	0.134%
150	11.364	11.259	11.389	VV	4103963	78932238	95.28%	5.698%
151	11.427	11.389	11.469	VV	2006384	26904186	32.48%	1.942%
152	11.486	11.469	11.508	VV	59712	707340	0.85%	0.051%
153	11.532	11.508	11.551	VV	31653	467707	0.56%	0.034%
154	11.575	11.551	11.594	VV	122955	1462162	1.76%	0.106%
155	11.623	11.594	11.662	VV	702793	8626711	10.41%	0.623%
156	11.693	11.662	11.707	VV	22083	372110	0.45%	0.027%
157	11.728	11.707	11.736	VV	48788	610188	0.74%	0.044%
158	11.764	11.736	11.788	VV	515007	6263884	7.56%	0.452%
159	11.851	11.788	11.879	VV	205135	5010272	6.05%	0.362%
160	11.891	11.879	11.905	VV	38855	492844	0.59%	0.036%
161	11.929	11.905	11.957	VV	90347	1873375	2.26%	0.135%
162	11.981	11.957	12.000	VV	80012	1201799	1.45%	0.087%
163	12.028	12.000	12.068	VV	144984	2366171	2.86%	0.171%
164	12.095	12.068	12.115	VV	535255	6260335	7.56%	0.452%
165	12.140	12.115	12.155	VV	522873	6764286	8.17%	0.488%
166	12.173	12.155	12.204	VV	777080	8863249	10.70%	0.640%
167	12.258	12.204	12.274	VV	418171	8529960	10.30%	0.616%
168	12.289	12.274	12.303	VV	318290	3775897	4.56%	0.273%
169	12.322	12.303	12.342	VV	504388	5908050	7.13%	0.426%
170	12.357	12.342	12.374	VV	59931	750754	0.91%	0.054%
171	12.396	12.374	12.438	VV	91121	1679042	2.03%	0.121%
172	12.460	12.438	12.482	VV	64544	950019	1.15%	0.069%
173	12.517	12.482	12.551	VV	389890	6104929	7.37%	0.441%
174	12.561	12.551	12.571	VV	22107	253721	0.31%	0.018%
175	12.605	12.571	12.628	VV	446608	5605935	6.77%	0.405%
176	12.638	12.628	12.648	VV	42795	474228	0.57%	0.034%
177	12.665	12.648	12.682	VV	64328	1013837	1.22%	0.073%
178	12.696	12.682	12.727	VV	56844	899165	1.09%	0.065%
179	12.751	12.727	12.772	VV	50776	850141	1.03%	0.061%
180	12.788	12.772	12.797	VV	26344	351830	0.42%	0.025%
181	12.830	12.797	12.848	VV	145416	2425592	2.93%	0.175%
182	12.857	12.848	12.872	VV	73223	959492	1.16%	0.069%
183	12.880	12.872	12.907	VV	65046	1044836	1.26%	0.075%
184	12.928	12.907	12.979	VV	129362	2845771	3.44%	0.205%
185	13.030	12.979	13.065	VV	489247	10409344	12.56%	0.751%
186	13.090	13.065	13.137	VV	629632	10474129	12.64%	0.756%
187	13.208	13.137	13.228	VV	3727116	82844265	100.00%	5.980%
188	13.241	13.228	13.261	VV	79475	1054530	1.27%	0.076%
189	13.315	13.261	13.338	VV	827138	11364346	13.72%	0.820%
190	13.359	13.338	13.380	VV	285752	3902855	4.71%	0.282%
191	13.406	13.380	13.444	VV	185938	4311951	5.20%	0.311%
192	13.510	13.444	13.545	VV	3235603	72844331	87.93%	5.258%
193	13.561	13.545	13.588	VV	621610	7085864	8.55%	0.511%
194	13.609	13.588	13.620	VV	45559	746521	0.90%	0.054%

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195	13.641	13.620	13.655	VV	176853	2204009	2.66%	0.159%
196	13.694	13.655	13.714	VV	470118	8902538	10.44%	0.720%
197	13.734	13.714	13.758	VV	326171	3942630	4.44%	0.290%
198	13.811	13.758	13.835	VV	157044	3277900	3.88%	0.250%
199	13.864	13.835	13.903	VV	190505	3804190	4.24%	0.280%
200	13.929	13.903	13.980	VV	335799	5289423	6.00%	0.394%
201	13.992	13.980	13.999	VV	25188	265073	0.32%	0.019%
202	14.061	13.999	14.097	VV	439544	9975013	12.04%	0.720%
203	14.120	14.097	14.142	VV	97609	1690838	2.04%	0.122%
204	14.166	14.142	14.186	VV	181270	2699966	3.26%	0.195%
205	14.210	14.186	14.254	VV	338241	5104198	6.16%	0.368%
206	14.281	14.254	14.322	VV	546606	9191581	11.10%	0.663%
207	14.340	14.322	14.358	VV	270818	3464681	4.18%	0.250%
208	14.379	14.358	14.413	VV	278603	4011979	4.84%	0.290%
209	14.451	14.413	14.467	VV	92671	1737909	2.10%	0.125%
210	14.479	14.467	14.509	VV	59496	1305343	1.58%	0.094%
211	14.519	14.509	14.540	VV	45619	740985	0.89%	0.053%
212	14.557	14.540	14.567	VV	45402	589004	0.71%	0.043%
213	14.583	14.567	14.603	VV	60467	1031164	1.24%	0.074%
214	14.633	14.603	14.660	VV	64035	1262215	1.52%	0.091%
215	14.672	14.660	14.677	PV	6616	41149	0.05%	0.003%
216	14.694	14.677	14.708	VV	12384	162682	0.20%	0.012%
217	14.764	14.708	14.775	VV	70549	1750085	2.11%	0.126%
218	14.807	14.775	14.876	VV	511859	8434021	10.18%	0.609%
219	14.897	14.876	14.945	VV	58864	1393931	1.68%	0.101%
220	14.977	14.945	15.018	VV	431612	7454960	9.00%	0.538%
221	15.043	15.018	15.067	VV	532972	9078750	10.96%	0.655%
222	15.085	15.067	15.096	VV	254205	3298705	3.98%	0.238%
223	15.124	15.096	15.149	VV	462994	8008484	9.67%	0.578%
224	15.228	15.149	15.282	VV	123694	4682423	5.65%	0.338%
225	15.318	15.282	15.333	VV	311002	4993443	6.03%	0.360%
226	15.385	15.333	15.405	VV	2193127	45512186	54.94%	3.285%
227	15.434	15.405	15.480	VV	1994855	33013343	39.85%	2.383%
228	15.536	15.480	15.566	VV	716129	11415490	13.78%	0.824%
229	15.602	15.566	15.634	VV	196250	3738578	4.51%	0.270%
230	15.664	15.634	15.685	VV	268718	3907365	4.72%	0.282%
231	15.707	15.685	15.740	VV	199947	3967862	4.79%	0.286%
232	15.761	15.740	15.777	VV	81920	1652599	1.99%	0.119%
233	15.807	15.777	15.830	VV	147157	3084923	3.72%	0.223%
234	15.846	15.830	15.875	VV	105558	1702864	2.06%	0.123%
235	15.902	15.875	15.923	VV	82068	1375294	1.66%	0.099%
236	15.943	15.923	15.960	VV	51275	860975	1.04%	0.062%
237	15.989	15.960	16.004	VV	119002	2135443	2.58%	0.154%
238	16.036	16.004	16.055	VV	428253	6698656	8.09%	0.484%
239	16.071	16.055	16.108	VV	204340	3396374	4.10%	0.245%
240	16.138	16.108	16.151	VV	74044	1606608	1.94%	0.116%
241	16.182	16.151	16.226	VV	237951	6523646	7.87%	0.471%
242	16.265	16.226	16.292	VV	122391	2645080	3.19%	0.191%
243	16.307	16.292	16.326	VV	40919	643767	0.78%	0.046%
244	16.349	16.326	16.381	VV	104305	1721776	2.08%	0.124%
245	16.417	16.381	16.479	VV	533802	9888631	11.94%	0.714%
246	16.499	16.479	16.540	VV	75512	1553105	1.87%	0.112%

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247	16.573	16.540	16.608	VV	63689	1712416	2.07%	0.124%
248	16.626	16.608	16.647	VV	54333	998128		
249	16.688	16.647	16.704	VV	117484	3089267		
250	16.727	16.704	16.757	VV	129691	2763589		
251	16.833	16.757	16.880	VV	97593	4696294		
252	16.974	16.880	16.989	VV	1706279	50564663	61	
253	16.996	16.989	17.032	VV	1558840	13954628	16.84%	1.007%
254	17.078	17.032	17.120	VV	564780	10140282	12.24%	0.732%
255	17.132	17.120	17.138	VV	56687	572930	0.69%	0.041%
256	17.149	17.138	17.163	VV	56454	824399	1.00%	0.060%
257	17.188	17.163	17.197	VV	125055	1919590	2.32%	0.139%
258	17.219	17.197	17.237	VV	217686	4104516	4.95%	0.296%
259	17.285	17.237	17.311	VV	854300	22665323	27.36%	1.636%
260	17.361	17.311	17.401	VV	2095004	42413791	51.20%	3.062%
261	17.437	17.401	17.454	VV	674636	9010726	10.88%	0.650%
262	17.469	17.454	17.507	VV	162726	3171675	3.83%	0.229%
263	17.562	17.507	17.599	VV	153094	5644434	6.81%	0.407%
264	17.619	17.599	17.640	VV	83583	1437914	1.74%	0.104%
265	17.697	17.640	17.751	VV	172582	6504672	7.85%	0.470%
266	17.821	17.751	17.876	VV	154149	6477199	7.82%	0.468%
267	17.904	17.876	17.920	VV	133091	2289274	2.76%	0.165%
268	17.930	17.920	17.952	VV	95923	1429537	1.73%	0.103%
269	17.983	17.952	18.051	VV	154546	4880405	5.89%	0.352%
270	18.071	18.051	18.085	VV	66180	1034873	1.25%	0.075%
271	18.107	18.085	18.141	VV	81994	1873036	2.26%	0.135%
272	18.155	18.141	18.189	VV	33336	828936	1.00%	0.060%
273	18.260	18.189	18.288	VV	478572	8717499	10.52%	0.629%
274	18.307	18.288	18.340	VV	148048	2851491	3.44%	0.206%
275	18.401	18.340	18.428	VV	157716	4844898	5.85%	0.350%
276	18.488	18.428	18.570	VV	229108	12461804	15.04%	0.900%
277	18.609	18.570	18.660	VV	415916	11813729	14.26%	0.853%
278	18.748	18.660	18.813	VV	1322201	49924697	60.26%	3.604%
279	18.842	18.813	18.859	VV	406679	7072443	8.54%	0.511%
280	18.875	18.859	18.937	VV	391053	11324790	13.67%	0.817%
281	19.007	18.937	19.036	VV	1263470	31793455	38.38%	2.295%
282	19.095	19.036	19.154	VV	598855	20094715	24.26%	1.451%
283	19.190	19.154	19.244	VV	122997	4748059	5.73%	0.343%
284	19.271	19.244	19.313	VV	114742	3721100	4.49%	0.269%
285	19.336	19.313	19.353	VV	104055	2098351	2.53%	0.151%
286	19.385	19.353	19.418	VV	145733	4236018	5.11%	0.306%
287	19.439	19.418	19.454	VV	109628	2071937	2.50%	0.150%
288	19.476	19.454	19.497	VV	138349	2817691	3.40%	0.203%
289	19.517	19.497	19.556	VV	109265	3351673	4.05%	0.242%
290	19.574	19.556	19.609	VV	98216	2655465	3.21%	0.192%
291	19.646	19.609	19.744	VV	153069	7504719	9.06%	0.542%
292	19.804	19.744	19.841	VV	94122	4739994	5.72%	0.342%
293	19.879	19.841	19.918	VV	492507	9952185	12.01%	0.718%
294	19.962	19.918	20.018	VV	136922	6537977	7.89%	0.472%
295	20.130	20.018	20.159	VV	384959	15692960	18.94%	1.133%
296	20.196	20.159	20.228	VV	509485	13137325	15.86%	0.948%
297	20.254	20.228	20.274	VV	265790	6084123	7.34%	0.439%
298	20.290	20.274	20.312	VV	221721	4320085	5.21%	0.312%
299	20.324	20.312	20.358	VV	165798	3660138	4.42%	0.264%

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ClientSampleId :

5MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025
Supervised By :mohammad ahmed 08/22/2025

					rters			
300	20.404	20.358	20.441	VV	172286	6255899	7.55%	0.452%
301	20.518	20.441	20.547	VV	592700	16856951		
302	20.578	20.547	20.589	VV	284500	5626828		
303	20.617	20.589	20.641	VV	573688	11589133		
304	20.656	20.641	20.681	VV	231744	4298019		
305	20.702	20.681	20.737	VV	130452	4138563		
306	20.747	20.737	20.768	VV	121990	2171499	2.62%	0.157%
307	20.778	20.768	20.821	VV	114065	3357016	4.05%	0.242%
308	20.842	20.821	20.901	VV	104961	4511613	5.45%	0.326%
309	20.925	20.901	20.951	VV	93470	2610300	3.15%	0.188%
310	20.983	20.951	21.048	VV	88487	4434590	5.35%	0.320%
311	21.085	21.048	21.115	VV	63617	2446651	2.95%	0.177%
312	21.137	21.115	21.149	VV	59414	1194293	1.44%	0.086%
313	21.183	21.149	21.310	VV	70940	5332529	6.44%	0.385%
314	21.345	21.310	21.353	VV	46476	1067216	1.29%	0.077%
315	21.401	21.353	21.499	VV	375585	9393763	11.34%	0.678%
316	21.580	21.499	21.644	VV	75484	4177182	5.04%	0.302%
317	21.666	21.644	21.701	VV	50163	1342235	1.62%	0.097%
318	21.791	21.701	21.834	VV	64928	2965922	3.58%	0.214%
319	21.892	21.834	21.928	VV	82835	3155262	3.81%	0.228%
320	22.020	21.928	22.068	VV	158456	8822309	10.65%	0.637%
321	22.084	22.068	22.161	VV	75558	2397208	2.89%	0.173%
322	22.189	22.161	22.204	VV	32361	713394	0.86%	0.051%
323	22.241	22.204	22.294	VV	44364	1508839	1.82%	0.109%
324	22.396	22.294	22.478	PV	243394	9702344	11.71%	0.700%
Sum of corrected areas:					1385361886			

Instrument :

FID_E

ClientSampleId :

5MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/21/2025

Supervised By :mohammad ahmed 08/22/2025

Aliphatic EPH 080125.M Thu Aug 21 02:47:32 2025

Manual Integration Report

Sequence:

FE080125AL

Instrument

FID_e

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

Manual Integration Report

Sequence:	FE082025AL	Instrument	FID_e
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169321BSD	FE055407.D	n-Octatriacontane (C38)	yogesh	8/21/2025 7:43:39 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
PB169321BSD	FE055407.D	n-Tetracontane (C40)	yogesh	8/21/2025 7:43:39 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-03	FE055408.D	1-chlorooctadecane (Surr)	yogesh	8/21/2025 7:43:41 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-04	FE055409.D	1-chlorooctadecane (Surr)	yogesh	8/21/2025 7:43:42 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-05	FE055410.D	1-chlorooctadecane (Surr)	yogesh	8/21/2025 7:43:45 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07	FE055412.D	1-chlorooctadecane (Surr)	yogesh	8/21/2025 7:43:46 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MS	FE055413.D	1-chlorooctadecane (Surr)	yogesh	8/21/2025 7:43:49 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MS	FE055413.D	A~2-methylnaphthalene (C12.89)	yogesh	8/21/2025 7:43:49 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MS	FE055413.D	n-Docosane (C22)	yogesh	8/21/2025 7:43:49 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MS	FE055413.D	n-Dotriacontane (C32)	yogesh	8/21/2025 7:43:49 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MS	FE055413.D	n-Eicosane (C20)	yogesh	8/21/2025 7:43:49 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MS	FE055413.D	n-Hexacosane (C26)	yogesh	8/21/2025 7:43:49 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MS	FE055413.D	n-Hexatriacontane (C36)	yogesh	8/21/2025 7:43:49 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software

Manual Integration Report

Sequence:	FE082025AL	Instrument	FID_e
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2868-07MS	FE055413.D	n-Octacosane (C28)	yogesh	8/21/2025 7:43:49 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MS	FE055413.D	n-Octatriacontane (C38)	yogesh	8/21/2025 7:43:49 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MS	FE055413.D	n-Tetracontane (C40)	yogesh	8/21/2025 7:43:49 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MS	FE055413.D	n-Tetratriacontane (C34)	yogesh	8/21/2025 7:43:49 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MSD	FE055414.D	1-chlorooctadecane (SURR)	yogesh	8/21/2025 7:43:50 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MSD	FE055414.D	A~2-methylnaphthalene (C12.89)	yogesh	8/21/2025 7:43:50 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MSD	FE055414.D	n-Docosane (C22)	yogesh	8/21/2025 7:43:50 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MSD	FE055414.D	n-Dotriacontane (C32)	yogesh	8/21/2025 7:43:50 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MSD	FE055414.D	n-Eicosane (C20)	yogesh	8/21/2025 7:43:50 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MSD	FE055414.D	n-Heneicosane (C21)	yogesh	8/21/2025 7:43:50 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MSD	FE055414.D	n-Hexacosane (C26)	yogesh	8/21/2025 7:43:50 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MSD	FE055414.D	n-Hexatriacontane (C36)	yogesh	8/21/2025 7:43:50 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MSD	FE055414.D	n-Octatriacontane (C38)	yogesh	8/21/2025 7:43:50 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software

Manual Integration Report

Sequence:

FE082025AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2868-07MSD	FE055414.D	n-Tetracontane (C40)	yogesh	8/21/2025 7:43:50 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MSD	FE055414.D	n-Tetratriacontane (C34)	yogesh	8/21/2025 7:43:50 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software
Q2868-07MSD	FE055414.D	n-Tricontane (C30)	yogesh	8/21/2025 7:43:50 AM	mohammad	8/22/2025 2:04:27	Peak Integrated by Software

Manual Integration Report

Sequence:	FE082125AL	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	FE055419.D	1-chlorooctadecane (SURRE)	yogesh	8/22/2025 7:23:43 AM	 	 	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055419.D	n-Dotriacontane (C32)	yogesh	8/22/2025 7:23:43 AM	 	 	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055419.D	n-Hexacosane (C26)	yogesh	8/22/2025 7:23:43 AM	 	 	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055419.D	n-Hexatriacontane (C36)	yogesh	8/22/2025 7:23:43 AM	 	 	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055419.D	n-Octacosane (C28)	yogesh	8/22/2025 7:23:43 AM	 	 	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055419.D	n-Octatriacontane (C38)	yogesh	8/22/2025 7:23:43 AM	 	 	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055419.D	n-Tetracontane (C40)	yogesh	8/22/2025 7:23:43 AM	 	 	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055419.D	n-Tetracosane (C24)	yogesh	8/22/2025 7:23:43 AM	 	 	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055419.D	n-Tetratriacontane (C34)	yogesh	8/22/2025 7:23:43 AM	 	 	Peak Integrated by Software
Q2868-03DL	FE055420.D	1-chlorooctadecane (SURRE)	yogesh	8/22/2025 7:23:44 AM	 	 	Peak Integrated by Software
Q2868-03DL	FE055420.D	ortho-Terphenyl (SURRE)	yogesh	8/22/2025 7:23:44 AM	 	 	Peak Integrated by Software
Q2868-04DL	FE055421.D	1-chlorooctadecane (SURRE)	yogesh	8/22/2025 7:23:46 AM	 	 	Peak Integrated by Software
Q2868-04DL	FE055421.D	ortho-Terphenyl (SURRE)	yogesh	8/22/2025 7:23:46 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:	FE082125AL	Instrument	FID_e
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2868-05DL	FE055422.D	1-chlorooctadecane (SURRE)	yogesh	8/22/2025 7:23:48 AM	 	 	Peak Integrated by Software
Q2868-05DL	FE055422.D	ortho-Terphenyl (SURRE)	yogesh	8/22/2025 7:23:48 AM	 	 	Peak Integrated by Software
Q2868-06DL	FE055423.D	1-chlorooctadecane (SURRE)	yogesh	8/22/2025 7:23:49 AM	 	 	Peak Integrated by Software
Q2868-06DL	FE055423.D	ortho-Terphenyl (SURRE)	yogesh	8/22/2025 7:23:49 AM	 	 	Peak Integrated by Software
Q2868-07DL	FE055424.D	1-chlorooctadecane (SURRE)	yogesh	8/22/2025 7:23:51 AM	 	 	Peak Integrated by Software
Q2868-07DL	FE055424.D	ortho-Terphenyl (SURRE)	yogesh	8/22/2025 7:23:51 AM	 	 	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055426.D	n-Dotriacontane (C32)	yogesh	8/22/2025 7:23:53 AM	 	 	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055426.D	n-Hexatriacontane (C36)	yogesh	8/22/2025 7:23:53 AM	 	 	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055426.D	n-Octatriacontane (C38)	yogesh	8/22/2025 7:23:53 AM	 	 	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055426.D	n-Tetracontane (C40)	yogesh	8/22/2025 7:23:53 AM	 	 	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055426.D	n-Tetratriacontane (C34)	yogesh	8/22/2025 7:23:53 AM	 	 	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055426.D	n-Tricontane (C30)	yogesh	8/22/2025 7:23:53 AM	 	 	Peak Integrated by Software
PB169342BS	FE055429.D	n-Dotriacontane (C32)	yogesh	8/22/2025 7:23:55 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:

FE082125AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169342BS	FE055429.D	n-Hexatriacontane (C36)	yogesh	8/22/2025 7:23:55 AM	 	 	Peak Integrated by Software
PB169342BS	FE055429.D	n-Octatriacontane (C38)	yogesh	8/22/2025 7:23:55 AM	 	 	Peak Integrated by Software
PB169342BS	FE055429.D	n-Tetracontane (C40)	yogesh	8/22/2025 7:23:55 AM	 	 	Peak Integrated by Software
PB169342BS	FE055429.D	n-Tetratriacontane (C34)	yogesh	8/22/2025 7:23:55 AM	 	 	Peak Integrated by Software
PB169342BS	FE055429.D	n-Tricontane (C30)	yogesh	8/22/2025 7:23:55 AM	 	 	Peak Integrated by Software
PB169342BSD	FE055430.D	n-Dotriacontane (C32)	yogesh	8/22/2025 7:23:57 AM	 	 	Peak Integrated by Software
PB169342BSD	FE055430.D	n-Hexatriacontane (C36)	yogesh	8/22/2025 7:23:57 AM	 	 	Peak Integrated by Software
PB169342BSD	FE055430.D	n-Octatriacontane (C38)	yogesh	8/22/2025 7:23:57 AM	 	 	Peak Integrated by Software
PB169342BSD	FE055430.D	n-Tetracontane (C40)	yogesh	8/22/2025 7:23:57 AM	 	 	Peak Integrated by Software
PB169342BSD	FE055430.D	n-Tetratriacontane (C34)	yogesh	8/22/2025 7:23:57 AM	 	 	Peak Integrated by Software
PB169342BSD	FE055430.D	n-Tricontane (C30)	yogesh	8/22/2025 7:23:57 AM	 	 	Peak Integrated by Software
Q2915-03MS	FE055435.D	n-Dotriacontane (C32)	yogesh	8/22/2025 7:23:58 AM	 	 	Peak Integrated by Software
Q2915-03MS	FE055435.D	n-Hexatriacontane (C36)	yogesh	8/22/2025 7:23:58 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:

FE082125AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2915-03MS	FE055435.D	n-Octatriacontane (C38)	yogesh	8/22/2025 7:23:58 AM	 	 	Peak Integrated by Software
Q2915-03MS	FE055435.D	n-Tetracontane (C40)	yogesh	8/22/2025 7:23:58 AM	 	 	Peak Integrated by Software
Q2915-03MS	FE055435.D	n-Tetratriacontane (C34)	yogesh	8/22/2025 7:23:58 AM	 	 	Peak Integrated by Software
Q2915-03MS	FE055435.D	n-Tricontane (C30)	yogesh	8/22/2025 7:23:58 AM	 	 	Peak Integrated by Software
Q2915-03MSD	FE055436.D	n-Dotriacontane (C32)	yogesh	8/22/2025 7:24:00 AM	 	 	Peak Integrated by Software
Q2915-03MSD	FE055436.D	n-Hexatriacontane (C36)	yogesh	8/22/2025 7:24:00 AM	 	 	Peak Integrated by Software
Q2915-03MSD	FE055436.D	n-Octatriacontane (C38)	yogesh	8/22/2025 7:24:00 AM	 	 	Peak Integrated by Software
Q2915-03MSD	FE055436.D	n-Tetracontane (C40)	yogesh	8/22/2025 7:24:00 AM	 	 	Peak Integrated by Software
Q2915-03MSD	FE055436.D	n-Tetratriacontane (C34)	yogesh	8/22/2025 7:24:00 AM	 	 	Peak Integrated by Software
Q2915-03MSD	FE055436.D	n-Tricontane (C30)	yogesh	8/22/2025 7:24:00 AM	 	 	Peak Integrated by Software
Q2916-01	FE055438.D	1-chlorooctadecane (SURR)	yogesh	8/22/2025 7:24:01 AM	 	 	Peak Integrated by Software
Q2916-01	FE055438.D	ortho-Terphenyl (SURR)	yogesh	8/22/2025 7:24:01 AM	 	 	Peak Integrated by Software
Q2916-02	FE055439.D	1-chlorooctadecane (SURR)	yogesh	8/22/2025 7:24:03 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:

FE082125AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2916-02	FE055439.D	ortho-Terphenyl (SURRE)	yogesh	8/22/2025 7:24:03 AM	 	 	Peak Integrated by Software
Q2917-02	FE055441.D	1-chlorooctadecane (SURRE)	yogesh	8/22/2025 7:24:05 AM	 	 	Peak Integrated by Software
Q2917-02	FE055441.D	ortho-Terphenyl (SURRE)	yogesh	8/22/2025 7:24:05 AM	 	 	Peak Integrated by Software
Q2919-02	FE055443.D	ortho-Terphenyl (SURRE)	yogesh	8/22/2025 7:24:07 AM	 	 	Peak Integrated by Software
Q2909-01	FE055444.D	1-chlorooctadecane (SURRE)	yogesh	8/22/2025 7:24:22 AM	 	 	Peak Integrated by Software
Q2909-01	FE055444.D	ortho-Terphenyl (SURRE)	yogesh	8/22/2025 7:24:22 AM	 	 	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055446.D	n-Octatriacontane (C38)	yogesh	8/22/2025 7:24:09 AM	 	 	Peak Integrated by Software

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE080125AL

Review By	yogesh	Review On	8/1/2025 10:51:38 AM
Supervise By	mohammad	Supervise On	8/5/2025 1:59:38 AM
SubDirectory	FE080125AL	HP Acquire Method	HP Processing Method FE080125AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24771 PP24769,PP24774		

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

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE082025AL

Review By	yogesh	Review On	8/20/2025 8:24:26 AM
Supervise By	mohammad	Supervise On	8/22/2025 2:04:27 AM
SubDirectory	FE082025AL	HP Acquire Method	HP Processing Method FE080125AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24771 PP24769,PP24774		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE055395.D	20 Aug 2025 06:30	YP\AJ	Ok
2	I.BLK	FE055396.D	20 Aug 2025 07:00	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE055397.D	20 Aug 2025 07:30	YP\AJ	Ok
4	Q2889-02DL	FE055398.D	20 Aug 2025 08:00	YP\AJ	Ok
5	Q2897-01DL	FE055399.D	20 Aug 2025 08:30	YP\AJ	Ok
6	Q2897-02DL	FE055400.D	20 Aug 2025 09:00	YP\AJ	Ok
7	Q2884-03DL	FE055401.D	20 Aug 2025 09:31	YP\AJ	Dilution
8	Q2884-03DL2	FE055402.D	20 Aug 2025 10:01	YP\AJ	Ok
9	I.BLK	FE055403.D	20 Aug 2025 11:02	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE055404.D	20 Aug 2025 11:32	YP\AJ	Ok
11	PB169321BL	FE055405.D	20 Aug 2025 12:02	YP\AJ	Ok
12	PB169321BS	FE055406.D	20 Aug 2025 12:33	YP\AJ	Ok
13	PB169321BSD	FE055407.D	20 Aug 2025 13:03	YP\AJ	Ok,M
14	Q2868-03	FE055408.D	20 Aug 2025 13:33	YP\AJ	Dilution
15	Q2868-04	FE055409.D	20 Aug 2025 14:04	YP\AJ	Dilution
16	Q2868-05	FE055410.D	20 Aug 2025 14:34	YP\AJ	Dilution
17	Q2868-06	FE055411.D	20 Aug 2025 15:04	YP\AJ	Dilution
18	Q2868-07	FE055412.D	20 Aug 2025 15:34	YP\AJ	Dilution
19	Q2868-07MS	FE055413.D	20 Aug 2025 16:05	YP\AJ	Ok,M
20	Q2868-07MSD	FE055414.D	20 Aug 2025 16:35	YP\AJ	Ok,M
21	I.BLK	FE055415.D	20 Aug 2025 17:36	YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE082025AL

Review By	yogesh	Review On	8/20/2025 8:24:26 AM
Supervise By	mohammad	Supervise On	8/22/2025 2:04:27 AM
SubDirectory	FE082025AL	HP Acquire Method	HP Processing Method FE080125AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM	PP24771		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24769,PP24774		

22	20 PPM ALIPHATIC HC STD	FE055416.D	20 Aug 2025 18:06	YP\AJ	Ok
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M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE082125AL

Review By	yogesh	Review On	8/21/2025 10:16:26 AM
Supervise By		Supervise On	
SubDirectory	FE082125AL	HP Acquire Method	HP Processing Method FE080125AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM	PP24771		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24769,PP24774		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE055417.D	21 Aug 2025 08:06	YP\AJ	Ok
2	I.BLK	FE055418.D	21 Aug 2025 08:36	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE055419.D	21 Aug 2025 09:37	YP\AJ	Ok,NS
4	Q2868-03DL	FE055420.D	21 Aug 2025 10:11	YP\AJ	Ok,NS
5	Q2868-04DL	FE055421.D	21 Aug 2025 10:41	YP\AJ	Ok,NS
6	Q2868-05DL	FE055422.D	21 Aug 2025 11:12	YP\AJ	Ok,NS
7	Q2868-06DL	FE055423.D	21 Aug 2025 11:42	YP\AJ	Ok,NS
8	Q2868-07DL	FE055424.D	21 Aug 2025 12:12	YP\AJ	Ok,NS
9	I.BLK	FE055425.D	21 Aug 2025 13:13	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE055426.D	21 Aug 2025 13:43	YP\AJ	Ok,NS
11	PP24866	FE055427.D	21 Aug 2025 15:16	YP\AJ	Ok
12	PB169342BL	FE055428.D	21 Aug 2025 15:46	YP\AJ	Ok
13	PB169342BS	FE055429.D	21 Aug 2025 16:17	YP\AJ	Ok,NS
14	PB169342BSD	FE055430.D	21 Aug 2025 16:47	YP\AJ	Ok,NS
15	Q2915-01	FE055431.D	21 Aug 2025 17:17	YP\AJ	Ok
16	Q2915-02	FE055432.D	21 Aug 2025 17:47	YP\AJ	Ok
17	Q2915-03	FE055433.D	21 Aug 2025 18:18	YP\AJ	Ok
18	Q2915-03D	FE055434.D	21 Aug 2025 18:48	YP\AJ	Ok
19	Q2915-03MS	FE055435.D	21 Aug 2025 19:18	YP\AJ	Ok,NS
20	Q2915-03MSD	FE055436.D	21 Aug 2025 19:48	YP\AJ	Ok,NS
21	Q2915-04	FE055437.D	21 Aug 2025 20:18	YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE082125AL

Review By	yogesh	Review On	8/21/2025 10:16:26 AM
Supervise By		Supervise On	
SubDirectory	FE082125AL	HP Acquire Method	HP Processing Method FE080125AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24771 PP24769,PP24774		

22	Q2916-01	FE055438.D	21 Aug 2025 20:49	YP\AJ	Ok,NS
23	Q2916-02	FE055439.D	21 Aug 2025 21:19	YP\AJ	Ok,NS
24	Q2917-01	FE055440.D	21 Aug 2025 21:49	YP\AJ	Ok
25	Q2917-02	FE055441.D	21 Aug 2025 22:19	YP\AJ	Ok,NS
26	Q2919-01	FE055442.D	21 Aug 2025 22:49	YP\AJ	Ok
27	Q2919-02	FE055443.D	21 Aug 2025 23:20	YP\AJ	Ok,NS
28	Q2909-01	FE055444.D	21 Aug 2025 23:50	YP\AJ	Dilution
29	I.BLK	FE055445.D	22 Aug 2025 01:20	YP\AJ	Ok
30	20 PPM ALIPHATIC HC STD	FE055446.D	22 Aug 2025 01:50	YP\AJ	Ok,NS

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE080125AL

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

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

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE080125AL

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

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

19	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055118.D	01 Aug 2025 20:38		YP\AJ	Ok,M
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M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE082025AL

Review By	yogesh	Review On	8/20/2025 8:24:26 AM
Supervise By	mohammad	Supervise On	8/22/2025 2:04:27 AM
SubDirectory	FE082025AL	HP Acquire Method	HP Processing Method FE080125AL

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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE055395.D	20 Aug 2025 06:30		YP\AJ	Ok
2	I.BLK	I.BLK	FE055396.D	20 Aug 2025 07:00		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055397.D	20 Aug 2025 07:30		YP\AJ	Ok
4	Q2889-02DL	PL-02-081525-E2DL	FE055398.D	20 Aug 2025 08:00		YP\AJ	Ok
5	Q2897-01DL	HD-02-08182025DL	FE055399.D	20 Aug 2025 08:30		YP\AJ	Ok
6	Q2897-02DL	HD-02-08182025-E2DL	FE055400.D	20 Aug 2025 09:00		YP\AJ	Ok
7	Q2884-03DL	302DL	FE055401.D	20 Aug 2025 09:31	Need more dilution	YP\AJ	Dilution
8	Q2884-03DL2	302DL2	FE055402.D	20 Aug 2025 10:01		YP\AJ	Ok
9	I.BLK	I.BLK	FE055403.D	20 Aug 2025 11:02		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055404.D	20 Aug 2025 11:32		YP\AJ	Ok
11	PB169321BL	PB169321BL	FE055405.D	20 Aug 2025 12:02		YP\AJ	Ok
12	PB169321BS	PB169321BS	FE055406.D	20 Aug 2025 12:33		YP\AJ	Ok
13	PB169321BSD	PB169321BSD	FE055407.D	20 Aug 2025 13:03		YP\AJ	Ok,M
14	Q2868-03	1	FE055408.D	20 Aug 2025 13:33	Need 10X	YP\AJ	Dilution
15	Q2868-04	2	FE055409.D	20 Aug 2025 14:04	Need 20X	YP\AJ	Dilution
16	Q2868-05	3	FE055410.D	20 Aug 2025 14:34	Need 10X	YP\AJ	Dilution
17	Q2868-06	4	FE055411.D	20 Aug 2025 15:04	Need 10X	YP\AJ	Dilution
18	Q2868-07	5	FE055412.D	20 Aug 2025 15:34	Need 10X	YP\AJ	Dilution

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE082025AL

Review By	yogesh	Review On	8/20/2025 8:24:26 AM
Supervise By	mohammad	Supervise On	8/22/2025 2:04:27 AM
SubDirectory	FE082025AL	HP Acquire Method	HP Processing Method FE080125AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2868-07MS	5MS	FE055413.D	20 Aug 2025 16:05	FE055412.D	YP\AJ	Ok,M
20	Q2868-07MSD	5MSD	FE055414.D	20 Aug 2025 16:35	FE055412.D!FE055413.D	YP\AJ	Ok,M
21	I.BLK	I.BLK	FE055415.D	20 Aug 2025 17:36		YP\AJ	Ok
22	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055416.D	20 Aug 2025 18:06		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE082125AL

Review By	yogesh	Review On	8/21/2025 10:16:26 AM
Supervise By		Supervise On	
SubDirectory	FE082125AL	HP Acquire Method	HP Processing Method FE080125AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE055417.D	21 Aug 2025 08:06		YP\AJ	Ok
2	I.BLK	I.BLK	FE055418.D	21 Aug 2025 08:36		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055419.D	21 Aug 2025 09:37		YP\AJ	Ok,NS
4	Q2868-03DL	1DL	FE055420.D	21 Aug 2025 10:11		YP\AJ	Ok,NS
5	Q2868-04DL	2DL	FE055421.D	21 Aug 2025 10:41		YP\AJ	Ok,NS
6	Q2868-05DL	3DL	FE055422.D	21 Aug 2025 11:12		YP\AJ	Ok,NS
7	Q2868-06DL	4DL	FE055423.D	21 Aug 2025 11:42		YP\AJ	Ok,NS
8	Q2868-07DL	5DL	FE055424.D	21 Aug 2025 12:12		YP\AJ	Ok,NS
9	I.BLK	I.BLK	FE055425.D	21 Aug 2025 13:13		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055426.D	21 Aug 2025 13:43		YP\AJ	Ok,NS
11	PP24866	PP24866	FE055427.D	21 Aug 2025 15:16		YP\AJ	Ok
12	PB169342BL	PB169342BL	FE055428.D	21 Aug 2025 15:46		YP\AJ	Ok
13	PB169342BS	PB169342BS	FE055429.D	21 Aug 2025 16:17		YP\AJ	Ok,NS
14	PB169342BSD	PB169342BSD	FE055430.D	21 Aug 2025 16:47		YP\AJ	Ok,NS
15	Q2915-01	Q2915-01	FE055431.D	21 Aug 2025 17:17		YP\AJ	Ok
16	Q2915-02	Q2915-02	FE055432.D	21 Aug 2025 17:47		YP\AJ	Ok
17	Q2915-03	Q2915-03	FE055433.D	21 Aug 2025 18:18		YP\AJ	Ok
18	Q2915-03D	Q2915-03D	FE055434.D	21 Aug 2025 18:48		YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE082125AL

Review By	yogesh	Review On	8/21/2025 10:16:26 AM
Supervise By		Supervise On	
SubDirectory	FE082125AL	HP Acquire Method	HP Processing Method FE080125AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2915-03MS	Q2915-03MS	FE055435.D	21 Aug 2025 19:18	FE055433.D	YPIAJ	Ok,NS
20	Q2915-03MSD	Q2915-03MSD	FE055436.D	21 Aug 2025 19:48	FE055433.D!FE055435.D	YPIAJ	Ok,NS
21	Q2915-04	Q2915-04	FE055437.D	21 Aug 2025 20:18		YPIAJ	Ok
22	Q2916-01	Q2916-01	FE055438.D	21 Aug 2025 20:49		YPIAJ	Ok,NS
23	Q2916-02	Q2916-02	FE055439.D	21 Aug 2025 21:19		YPIAJ	Ok,NS
24	Q2917-01	Q2917-01	FE055440.D	21 Aug 2025 21:49		YPIAJ	Ok
25	Q2917-02	Q2917-02	FE055441.D	21 Aug 2025 22:19		YPIAJ	Ok,NS
26	Q2919-01	Q2919-01	FE055442.D	21 Aug 2025 22:49		YPIAJ	Ok
27	Q2919-02	Q2919-02	FE055443.D	21 Aug 2025 23:20		YPIAJ	Ok,NS
28	Q2909-01	Q2909-01	FE055444.D	21 Aug 2025 23:50	Need 100X	YPIAJ	Dilution
29	I.BLK	I.BLK	FE055445.D	22 Aug 2025 01:20		YPIAJ	Ok
30	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055446.D	22 Aug 2025 01:50		YPIAJ	Ok,NS

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/15/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 08/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 08/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136818

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
Q2844-01	PAD-081325	1	1.14	9.98	11.12	10.42	93.0	
Q2844-02	MOO-25-0224-0225	2	1.14	10.90	12.04	11.08	91.2	
Q2844-04	MOO-25-0234-0235	3	1.19	10.42	11.61	10.82	92.4	
Q2844-06	MOO-25-0223	4	1.12	10.34	11.46	11.12	96.7	
Q2844-09	MOO-25-0226	5	1.00	1.00	2.00	2.00	100.0	debris
Q2844-11	MOO-25-0228	6	1.00	1.00	2.00	2.00	100.0	debris
Q2847-01	BUR-25-0069	7	1.17	10.42	11.59	10.1	85.7	
Q2847-02	BUR-25-0070	8	1.19	10.30	11.49	9.88	84.4	
Q2853-01	Tr-5-081325	9	1.18	10.34	11.52	11.22	97.1	
Q2853-02	Tr-5-081325-E2	10	1.19	10.38	11.57	11.18	96.2	
Q2865-01	ARS10-0047-VOC	44	1.14	10.85	11.99	9.2	74.3	
Q2865-02	ARS10-0047	45	1.15	10.35	11.5	8.23	68.4	
Q2866-01	Tre-2003	11	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2866-02	Tre-2004	12	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2868-01	WASTE	13	1.14	10.25	11.39	10.7	93.3	
Q2868-02	VOC	14	1.14	10.48	11.62	11.36	97.5	
Q2868-03	1	15	1.17	10.03	11.2	10.47	92.7	
Q2868-04	2	16	1.18	10.41	11.59	10.77	92.1	
Q2868-05	3	17	1.14	10.46	11.6	10.93	93.6	
Q2868-06	4	18	1.14	10.65	11.79	11.26	95.0	
Q2868-07	5	19	1.13	10.27	11.4	11.00	96.1	
Q2870-01	DRIL CUTTING 1-5 COMP	20	1.15	10.84	11.99	10.9	89.9	
Q2870-02	DRIL CUTTING 1-5 COMP-EPH-2	21	1.13	10.81	11.94	10.7	88.5	
Q2870-03	DRIL CUTTING 1-5 COMP-EPH-3	22	1.14	10.84	11.98	10.77	88.8	
Q2870-04	DRIL CUTTING 6-9 COMP	23	1.15	10.31	11.46	10.16	87.4	
Q2870-05	DRIL CUTTING 6-9 COMP-EPH-2	24	1.18	10.22	11.4	10.11	87.4	
Q2870-06	DRIL CUTTING 6-9 COMP-EPH-3	25	1.14	10.30	11.44	10.15	87.5	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/15/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 08/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 08/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136818

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
Q2871-01	DRIL CUTTING 1-3 COMP	26	1.18	10.39	11.57	9.71	82.1	
Q2871-02	DRIL CUTTING 1-3 -EPH-2	29	1.14	10.46	11.6	9.7	81.8	
Q2871-03	DRIL CUTTING 1-3-EPH3	30	1.18	10.71	11.89	9.72	79.7	
Q2871-04	DRIL CUTTING 4-6 COMP	27	1.19	10.58	11.77	9.81	81.5	
Q2871-05	DRIL CUTTING 4-6-EPH-2	31	1.19	10.55	11.74	9.98	83.3	
Q2871-06	DRIL CUTTING 4-6-EPH-3	32	1.14	10.65	11.79	11.00	92.6	
Q2871-07	DRIL CUTTING 1-5 COMP	28	1.16	10.52	11.68	10.2	85.9	
Q2871-08	DRIL CUTTING 1-5-EPH2	33	1.15	10.45	11.6	10.36	88.1	
Q2871-09	DRIL CUTTING 1-5-EPH3	34	1.16	10.67	11.83	10.55	88.0	
Q2872-01	DRIL CUTTING 1-2 COMP	35	1.14	10.45	11.59	9.9	83.8	
Q2872-02	DRIL CUTTING 1-2-EPH-2	36	1.19	10.22	11.41	9.56	81.9	
Q2872-03	DRIL CUTTING 1-2-EPH-3	37	1.18	10.34	11.52	9.79	83.3	
Q2873-01	DRIL CUTTING 1-3 COMP	38	1.18	10.64	11.82	10.42	86.8	
Q2873-02	DRIL CUTTING 1-3-EPH-2	39	1.14	10.13	11.27	10.04	87.9	
Q2873-03	DRIL CUTTING 1-3-EPH-3	40	1.17	10.62	11.79	10.24	85.4	
Q2873-04	DRIL CUTTING 4-6 COMP	41	1.15	10.33	11.48	10.35	89.1	
Q2873-05	DRIL CUTTING 4-6-EPH-2	42	1.14	10.76	11.9	10.7	88.8	
Q2873-06	DRIL CUTTING 4-6-EPH-3	43	1.11	10.78	11.89	10.68	88.8	
Q2874-01	COMP-1	46	1.00	1.00	2.00	2.00	100.0	debris
Q2874-02	ELI-25-0086	47	1.14	10.80	11.94	7.99	63.4	
Q2874-03	ELI-HQ-CONCRETE	48	1.14	10.43	11.57	10.92	93.8	
Q2875-01	SAND-BLAST-A	49	1.18	10.49	11.67	11.66	99.9	
Q2875-02	SAND-BLAST-B	50	1.19	10.50	11.69	11.66	99.7	
Q2876-01	CL-02-08142025	51	1.14	10.50	11.64	11.00	93.9	
Q2876-02	CL-02-08142025-E2	52	1.19	10.34	11.53	11.3	97.8	
Q2877-01	EO-02-08142025	53	1.14	10.76	11.9	11.36	95.0	
Q2877-02	EO-02-08142025-E2	54	1.12	10.50	11.62	11.17	95.7	

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

WORKLIST(Hardcopy Internal Chain)

8/13/25

WorkList Name : %1-081425

WorkList ID : 191267

Department : Wet-Chemistry

Date : 08-14-2025 08:39:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2844-01	PAD-081325	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	08/13/2025	Chemtech -SO
Q2844-02	MOO-25-0224-0225	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	08/13/2025	Chemtech -SO
Q2844-04	MOO-25-0234-0235	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	08/13/2025	Chemtech -SO
Q2844-06	MOO-25-0223	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	08/13/2025	Chemtech -SO
Q2844-09	MOO-25-0226	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	08/13/2025	Chemtech -SO
Q2844-11	MOO-25-0228	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	08/13/2025	Chemtech -SO
Q2847-01	BUR-25-0069	Solid	Percent Solids	Cool 4 deg C	PSEG03	J13	08/13/2025	Chemtech -SO
Q2847-02	BUR-25-0070	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	08/13/2025	Chemtech -SO
Q2853-01	Tr-5-081325	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	08/13/2025	Chemtech -SO
Q2853-02	Tr-5-081325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	J33	08/13/2025	Chemtech -SO
Q2865-01	ARS10-0047-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG05	J33	08/13/2025	Chemtech -SO
Q2865-02	ARS10-0047	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	08/13/2025	Chemtech -SO
Q2866-01	Tre-2003	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	08/13/2025	Chemtech -SO
Q2866-02	Tre-2004	Solid	Percent Solids	Cool 4 deg C	PSEG05	J11	08/13/2025	Chemtech -SO
Q2868-01	WASTE	Solid	Percent Solids	Cool 4 deg C	PSEG05	J11	08/13/2025	Chemtech -SO
Q2868-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	J23	08/12/2025	Chemtech -SO
Q2868-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	J23	08/12/2025	Chemtech -SO
Q2868-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	J23	08/12/2025	Chemtech -SO
Q2868-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	J23	08/12/2025	Chemtech -SO
Q2868-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	J23	08/12/2025	Chemtech -SO
Q2868-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	J23	08/12/2025	Chemtech -SO

Date/Time 08/14/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 08/14/25 17:35

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

8196818

WorkList Name : %1-081425

WorkList ID : 191267

Department : Wet-Chemistry

Date : 08-14-2025 08:39:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2870-01	DRIL CUTTING 1-5 COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	J22	08/13/2025	Chemtech -SO
Q2870-02	DRIL CUTTING 1-5 COMP-EPT	Solid	Percent Solids	Cool 4 deg C	PSEG03	J22	08/13/2025	Chemtech -SO
Q2870-03	DRIL CUTTING 1-5 COMP-EPT	Solid	Percent Solids	Cool 4 deg C	PSEG03	J22	08/13/2025	Chemtech -SO
Q2870-04	DRIL CUTTING 6-9 COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	J22	08/13/2025	Chemtech -SO
Q2870-05	DRIL CUTTING 6-9 COMP-EPT	Solid	Percent Solids	Cool 4 deg C	PSEG03	J22	08/13/2025	Chemtech -SO
Q2870-06	DRIL CUTTING 6-9 COMP-EPT	Solid	Percent Solids	Cool 4 deg C	PSEG03	J22	08/13/2025	Chemtech -SO
Q2871-01	DRIL CUTTING 1-3 COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	J22	08/13/2025	Chemtech -SO
Q2871-02	DRIL CUTTING 1-3 -EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J33	08/13/2025	Chemtech -SO
Q2871-03	DRIL CUTTING 1-3-EPH3	Solid	Percent Solids	Cool 4 deg C	PSEG03	J31	08/13/2025	Chemtech -SO
Q2871-04	DRIL CUTTING 4-6 COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	J31	08/13/2025	Chemtech -SO
Q2871-05	DRIL CUTTING 4-6-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J33	08/13/2025	Chemtech -SO
Q2871-06	DRIL CUTTING 4-6-EPH-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	J31	08/13/2025	Chemtech -SO
Q2871-07	DRIL CUTTING 1-5 COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	J31	08/13/2025	Chemtech -SO
Q2871-08	DRIL CUTTING 1-5-EPH2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J33	08/13/2025	Chemtech -SO
Q2871-09	DRIL CUTTING 1-5-EPH3	Solid	Percent Solids	Cool 4 deg C	PSEG03	J31	08/13/2025	Chemtech -SO
Q2872-01	DRIL CUTTING 1-2 COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	J31	08/13/2025	Chemtech -SO
Q2872-02	DRIL CUTTING 1-2-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J33	08/13/2025	Chemtech -SO
Q2872-03	DRIL CUTTING 1-2-EPH-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	J33	08/13/2025	Chemtech -SO
Q2873-01	DRIL CUTTING 1-3 COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	08/13/2025	Chemtech -SO
Q2873-02	DRIL CUTTING 1-3-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	08/13/2025	Chemtech -SO
Q2873-03	DRIL CUTTING 1-3-EPH-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	08/13/2025	Chemtech -SO

Date/Time 08-14-25 05:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 08-14-25 17:35
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

87126818

WorkList Name : %1-081425 WorkList ID : 191267 Department : Wet-Chemistry Date : 08-14-2025 08:39:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2873-04	DRIL CUTTING 4-6 COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	08/13/2025	Chemtech -SO
Q2873-05	DRIL CUTTING 4-6-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	08/13/2025	Chemtech -SO
Q2873-06	DRIL CUTTING 4-6-EPH-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	08/13/2025	Chemtech -SO
Q2874-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/14/2025	Chemtech -SO
Q2874-02	ELI-25-0086	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/14/2025	Chemtech -SO
Q2874-03	ELI-HQ-CONCRETE	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/14/2025	Chemtech -SO
Q2875-01	SAND-BLAST-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/14/2025	Chemtech -SO
Q2875-02	SAND-BLAST-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/14/2025	Chemtech -SO
Q2876-01	CL-02-08142025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/14/2025	Chemtech -SO
Q2876-02	CL-02-08142025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/14/2025	Chemtech -SO
Q2877-01	EO-02-08142025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/14/2025	Chemtech -SO
Q2877-02	EO-02-08142025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/14/2025	Chemtech -SO

Date/Time 08-14-25 15:00
 Raw Sample Received by: SP WWC
 Raw Sample Relinquished by: Am SM

Date/Time 08-14-25 17:35
 Raw Sample Received by: Am SM
 Raw Sample Relinquished by: SP WWC

Prep Standard - Chemical Standard Summary

Order ID : Q2868

Test : EPH_F2

Prepbatch ID : PB169321,

Sequence ID/Qc Batch ID: FE082025AL,FE082125AL,

Standard ID :

EP2626,EP2632,PP24652,PP24767,PP24768,PP24769,PP24770,PP24771,PP24772,PP24773,PP24774,

Chemical ID :

E3875,E3940,E3949,E3951,E3954,E3956,E3964,P12364,P13280,P13281,P13609,P13610,P 13611,P13612,P13620,P1
3682,P13683,P13684,P13686,P13690,P14005,P14006,P14007,P14009,P14010,P 14011,P14012,P14013,P14015,P140
16,P14027,P14084,P14085,P14086,P14087,P14088,P14089,P14090,P14091,P14092,W3234,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2626	07/15/2025	01/15/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 07/15/2025

FROM 8000.00000ml of E3949 + 8000.00000ml of E3954 = Final Quantity: 16000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2632	08/11/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 08/11/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram



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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1339	100 PPM NJEPH Surrogate Spike	PP24652	06/17/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel 07/24/2025
<u>FROM</u>	1.25000ml of P13609 + 1.25000ml of P13610 + 1.25000ml of P13611 + 1.25000ml of P13612 + 1.25000ml of P13682 + 1.25000ml of P13683 + 1.25000ml of P13684 + 1.25000ml of P13686 + 490.00000ml of E3940 = Final Quantity: 500.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1330	100 PPM NJEPH Spike Solution	PP24767	07/29/2025	01/29/2026	Abdul Mirza	None	None	Yogesh Patel 08/19/2025
<u>FROM</u>	5.00000ml of P14005 + 5.00000ml of P14006 + 5.00000ml of P14007 + 5.00000ml of P14009 + 5.00000ml of P14010 + 5.00000ml of P14011 + 5.00000ml of P14012 + 5.00000ml of P14013 + 5.00000ml of P14015 + 5.00000ml of P14016 + 5.00000ml of P14027 + 5.00000ml of P14084 + 5.00000ml of P14085 + 5.00000ml of P14086 + 5.00000ml of P14087 + 5.00000ml of P14088 + 5.00000ml of P14089 + 5.00000ml of P14090 + 5.00000ml of P14091 + 5.00000ml of P14092 = Final Quantity: 100.000 ml							



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
781	100 PPM Aliphatic HC Working STD (Restek)	PP24768	08/01/2025	02/01/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025
<u>FROM</u>	0.25000ml of P13620 + 0.25000ml of P13690 + 1.25000ml of P12364 + 23.25000ml of E3956 = Final Quantity: 25.000 ml							

[illegible]

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
783	50 PPM Aliphatic HC STD	PP24770	08/01/2025	02/01/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.50000ml of W3234 + 0.50000ml of PP24768 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
784	20 PPM Aliphatic HC STD	PP24771	08/01/2025	02/01/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.80000ml of W3234 + 0.20000ml of PP24768 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
785	10 PPM Aliphatic HC STD	PP24772	08/01/2025	02/01/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24768 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
786	5 PPM Aliphatic HC STD	PP24773	08/01/2025	02/01/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.90000ml of W3234 + 0.10000ml of PP24770 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2901	20 PPM Aliphatic HC STD ICV (Absolute)	PP24774	08/01/2025	02/01/2026	Yogesh Patel	None	None	Abdul Mirza
								08/19/2025

FROM 0.80000ml of W3234 + 0.20000ml of PP24769 = Final Quantity: 1.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3940

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	08/14/2025 / RUPESH	03/06/2025 / RUPESH	E3964

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30540 / Custom NJEPH Aliphatics Calibration Standard	A0190424	02/01/2026	08/01/2025 / yogesh	03/16/2023 / Yogesh	P12364

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95899 / NJ EPH Aliphatic n-Hydrocarbons-Revised, 1000 PPM	040524	02/01/2026	08/01/2025 / yogesh	04/11/2024 / yogesh	P13280

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95899 / NJ EPH Aliphatic n-Hydrocarbons-Revised, 1000 PPM	040524	02/01/2026	08/01/2025 / yogesh	04/11/2024 / yogesh	P13281

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	12/17/2025	06/17/2025 / Abdul	10/16/2024 / yogesh	P13609

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	12/17/2025	06/17/2025 / Abdul	10/16/2024 / yogesh	P13610

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	12/17/2025	06/17/2025 / Abdul	10/16/2024 / yogesh	P13611

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	12/17/2025	06/17/2025 / Abdul	10/16/2024 / yogesh	P13612

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0213283	02/01/2026	08/01/2025 / yogesh	10/16/2024 / yogesh	P13620

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	12/17/2025	06/17/2025 / Abdul	10/16/2024 / yogesh	P13682

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	12/17/2025	06/17/2025 / Abdul	10/16/2024 / yogesh	P13683

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	12/17/2025	06/17/2025 / Abdul	10/16/2024 / yogesh	P13684

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	12/17/2025	06/17/2025 / Abdul	10/16/2024 / yogesh	P13686

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	02/01/2026	08/01/2025 / yogesh	10/16/2024 / yogesh	P13690

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14005

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14006

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14007

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14009

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14010

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14011

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14012

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14013

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14015

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0225381	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14016

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	05/20/2025 / Rahul	P14027

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14084

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14085

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14086

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14087

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14088

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14089

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14090

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14091

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0220449	01/29/2026	07/29/2025 / Abdul	07/16/2025 / anahy	P14092

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/28/2025 / jignesh	07/25/2025 / jignesh	W3234



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 6/11/25

E3940

Jamie Croak

Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Reed on 7/2/25

E3949

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO ₂
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 1/12/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4

Batch No.: 25B1862001

Manufactured Date: 2024-12-18

Expiration Date: 2026-03-19

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	<0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<0.01 %

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

RS
7/14/25

E3954

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantors**[™]



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E3956



Jamie Croak
Director Quality Operations, Bioscience Production

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date: 2026-04-16
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titration Acid (μ eq/g)	≤ 0.3	<0.1
Chloride (Cl)	≤ 10 ppm	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on .

E 3964

Jamie Croak
Director Quality Operations, Bioscience Production



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30540 **Lot No.:** A0190424

Description : NJEPH Aliphatics Calibration Standard

Aliphatics Calibration Standard 2000µg/mL, Hexane/Carbon Disulfide (80:20), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 25°C nominal

Handling: Sonicate prior to use. **Ship:** Ambient

P12361
↓
P12370 } Y.P.
031/6/23

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	n-Nonane (C9) CAS # 111-84-2 Purity 99% (Lot SHBN5361)	2,014.0 µg/mL	+/- 11.8193 +/- 50.0027 +/- 59.9491	µg/mL Gravimetric Unstressed Stressed
2	n-Decane (C10) CAS # 124-18-5 Purity 99% (Lot SHBN8619)	2,014.7 µg/mL	+/- 11.8232 +/- 50.0193 +/- 59.9689	µg/mL Gravimetric Unstressed Stressed
3	Naphthalene CAS # 91-20-3 Purity 99% (Lot MKCH0219)	2,015.3 µg/mL	+/- 11.8271 +/- 50.0358 +/- 59.9888	µg/mL Gravimetric Unstressed Stressed
4	n-Dodecane (C12) CAS # 112-40-3 Purity 99% (Lot SHBN7174)	2,008.0 µg/mL	+/- 11.7841 +/- 49.8538 +/- 59.7705	µg/mL Gravimetric Unstressed Stressed
5	2-Methylnaphthalene CAS # 91-57-6 Purity 96% (Lot STBK0259)	2,007.0 µg/mL	+/- 11.7784 +/- 49.8299 +/- 59.7419	µg/mL Gravimetric Unstressed Stressed
6	n-Tetradecane (C14) CAS # 629-59-4 Purity 99% (Lot STBK2282)	2,016.7 µg/mL	+/- 11.8349 +/- 50.0689 +/- 60.0284	µg/mL Gravimetric Unstressed Stressed
7	n-Hexadecane (C16) CAS # 544-76-3 Purity 98% (Lot SHBM4146)	2,014.9 µg/mL	+/- 11.8244 +/- 50.0246 +/- 59.9753	µg/mL Gravimetric Unstressed Stressed

8	n-Octadecane (C18) CAS # 593-45-3 Purity 97%	(Lot VZKOJ)	2,004.7 µg/mL	+/-	11.7645	µg/mL	Gravimetric
				+/-	49.7710	µg/mL	Unstressed
				+/-	59.6712	µg/mL	Stressed
9	n-Eicosane (C20) CAS # 112-95-8 Purity 99%	(Lot MKCF7888)	2,018.0 µg/mL	+/-	11.8428	µg/mL	Gravimetric
				+/-	50.1020	µg/mL	Unstressed
				+/-	60.0681	µg/mL	Stressed
10	n-Heneicosane (C21) CAS # 629-94-7 Purity 99%	(Lot MKCL3226)	2,000.7 µg/mL	+/-	11.7410	µg/mL	Gravimetric
				+/-	49.6717	µg/mL	Unstressed
				+/-	59.5522	µg/mL	Stressed
11	n-Docosane (C22) CAS # 629-97-0 Purity 99%	(Lot MKCL8918)	2,005.3 µg/mL	+/-	11.7684	µg/mL	Gravimetric
				+/-	49.7876	µg/mL	Unstressed
				+/-	59.6911	µg/mL	Stressed
12	n-Tetracosane (C24) CAS # 646-31-1 Purity 99%	(Lot MKCN2863)	2,018.0 µg/mL	+/-	11.8428	µg/mL	Gravimetric
				+/-	50.1020	µg/mL	Unstressed
				+/-	60.0681	µg/mL	Stressed
13	n-Hexacosane (C26) CAS # 630-01-3 Purity 99%	(Lot MKCD4540)	2,014.0 µg/mL	+/-	11.8193	µg/mL	Gravimetric
				+/-	50.0027	µg/mL	Unstressed
				+/-	59.9491	µg/mL	Stressed
14	n-Octacosane (C28) CAS # 630-02-4 Purity 99%	(Lot BCCG0084)	2,002.0 µg/mL	+/-	11.7489	µg/mL	Gravimetric
				+/-	49.7048	µg/mL	Unstressed
				+/-	59.5919	µg/mL	Stressed
15	n-Triacontane (C30) CAS # 638-68-6 Purity 97%	(Lot MKCQ9436)	2,011.1 µg/mL	+/-	11.8025	µg/mL	Gravimetric
				+/-	49.9316	µg/mL	Unstressed
				+/-	59.8637	µg/mL	Stressed
16	n-Dotriacontane (C32) CAS # 544-85-4 Purity 99%	(Lot BCBW0661)	2,012.0 µg/mL	+/-	11.8075	µg/mL	Gravimetric
				+/-	49.9531	µg/mL	Unstressed
				+/-	59.8895	µg/mL	Stressed
17	n-Tetratriacontane (C34) CAS # 14167-59-0 Purity 99%	(Lot OML4N)	2,006.7 µg/mL	+/-	11.7762	µg/mL	Gravimetric
				+/-	49.8207	µg/mL	Unstressed
				+/-	59.7308	µg/mL	Stressed
18	n-Hexatriacontane (C36) CAS # 630-06-8 Purity 99%	(Lot Z27H018)	2,017.3 µg/mL	+/-	11.8388	µg/mL	Gravimetric
				+/-	50.0855	µg/mL	Unstressed
				+/-	60.0483	µg/mL	Stressed
19	n-Octatriacontane (C38) CAS # 7194-85-6 Purity 96%	(Lot 0000145137)	2,017.3 µg/mL	+/-	11.8385	µg/mL	Gravimetric
				+/-	50.0842	µg/mL	Unstressed
				+/-	60.0467	µg/mL	Stressed
20	n-Tetracontane (C40) CAS # 4181-95-7 Purity 99%	(Lot BSBME)	2,008.7 µg/mL	+/-	11.7880	µg/mL	Gravimetric
				+/-	49.8703	µg/mL	Unstressed
				+/-	59.7903	µg/mL	Stressed
Solvent: Hexane/Carbon disulfide (80:20)							
	CAS # 110-54-3/75-15-0						
	Purity 99%						

Column:
30m x 0.25mm x 0.25µm
Pxx-5 (cat.#10223)

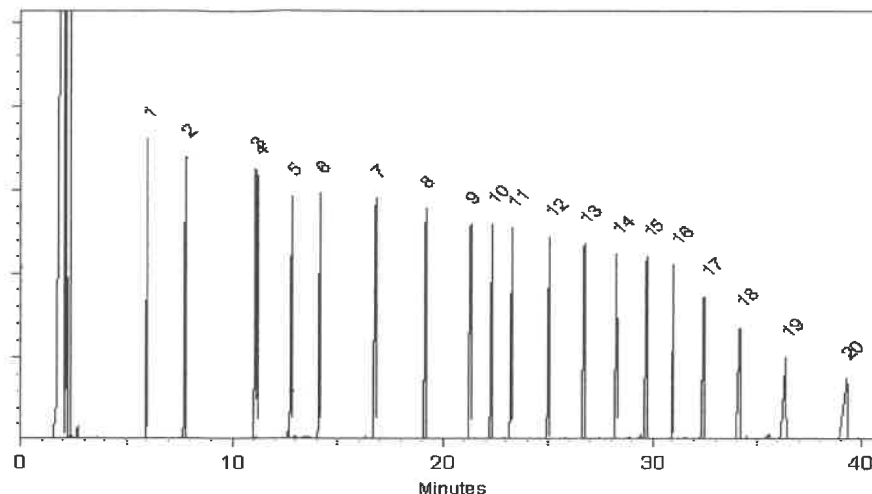
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

Date Mixed: 10-Oct-2022

Balance: 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-Oct-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

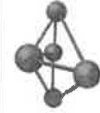
- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



CERTIFIED WEIGHT REPORT

Part Number: 95999

Lot Number: 040524

Description: NJ EPH Aliphatic n-Hydrocarbons - Revised
20 components

Expiration Date: 040534

Recommended Storage: Ambient (20 °C)

Nominal Concentration (µg/mL): 1000

NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL):

CAUTION: Sonicate Before Use

Solvent(s):
Cyclohexane

Lot#
28930

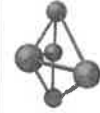
P13278
2
P13287
Y.P.
04/11/24

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By:	Anthony Mahoney	040524	DATE
Reviewed By:	Pedro L. Rentas	040524	DATE

Compound		Part Number	Lot Number	DIL	Factor	Initial Vol. (mL)	Initial Conc (µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Pipette	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information	
		(RM#)														(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)
1.	2-Methylnaphthalene	(0214)	MKB3783V	NA	NA	NA	NA	1000	97	0.2	NA	0.02579	0.02594	1005.7	5.7	91-57-6	N/A
2.	Naphthalene	(0222)	MKB28680V	NA	NA	NA	NA	1000	100	0.2	NA	0.02502	0.02511	1003.7	5.7	91-20-3	10 ppm (50mg/m ³ 8H) orl-rat 1630mg/kg
3.	n-Nonane	95708	120222	1.00	25.00	1000.7	1000.7	1000	NA	NA	0.013	NA	NA	1000.0	4.2	111-84-2	200 ppm (1050mg/m ³ 8H) orl-rat 490mg/kg
4.	n-Decane	95708	120222	1.00	25.00	1000.9	1000.9	1000	NA	NA	0.013	NA	NA	1000.2	4.2	124-18-5	ivn-mus 218mg/kg
5.	n-Dodecane	95708	120222	1.00	25.00	1000.7	1000.7	1000	NA	NA	0.013	NA	NA	1000.0	4.2	112-40-3	N/A
6.	n-Tetradecane	95708	120222	1.00	25.00	1002.1	1002.1	1000	NA	NA	0.013	NA	NA	1001.3	4.2	629-59-4	ivn-mus 3494mg/kg
7.	n-Hexadecane	95708	120222	1.00	25.00	1000.5	1000.5	1000	NA	NA	0.013	NA	NA	999.7	4.2	544-76-3	N/A
8.	n-Octadecane	95708	120222	1.00	25.00	1001.0	1001.0	1000	NA	NA	0.013	NA	NA	1000.3	4.1	589-45-3	N/A
9.	n-Eicosane	95708	120222	1.00	25.00	1001.0	1001.0	1000	NA	NA	0.013	NA	NA	1000.3	4.2	112-95-8	N/A
10.	n-Henicosane	95708	120222	1.00	25.00	1002.4	1002.4	1000	NA	NA	0.013	NA	NA	1001.6	4.2	629-94-7	N/A
11.	n-Docosane	95708	120222	1.00	25.00	1001.9	1001.9	1000	NA	NA	0.013	NA	NA	1001.2	4.2	629-97-0	N/A
12.	n-Tetracosane	95708	120222	1.00	25.00	1000.8	1000.8	1000	NA	NA	0.013	NA	NA	1000.1	4.2	646-31-1	N/A
13.	n-Hexacosane	95708	120222	1.00	25.00	1001.2	1001.2	1000	NA	NA	0.013	NA	NA	1000.4	4.2	630-01-3	N/A
14.	n-Octacosane	95708	120222	1.00	25.00	1000.5	1000.5	1000	NA	NA	0.013	NA	NA	999.8	4.2	630-02-4	N/A
15.	n-Triacontane	95708	120222	1.00	25.00	1000.5	1000.5	1000	NA	NA	0.013	NA	NA	999.8	4.2	638-68-6	N/A
16.	n-Dotriacontane	95708	120222	1.00	25.00	1000.5	1000.5	1000	NA	NA	0.013	NA	NA	999.8	4.3	544-85-4	ivn-mus 100mg/kg
17.	n-Tetracontane	95708	120222	1.00	25.00	1000.4	1000.4	1000	NA	NA	0.013	NA	NA	999.7	4.2	14167-59-0	N/A
18.	n-Hexatriacontane	95708	120222	1.00	25.00	1001.5	1001.5	1000	NA	NA	0.013	NA	NA	1000.8	4.2	630-06-8	N/A
19.	n-Octatriacontane	95708	120222	1.00	25.00	1000.3	1000.3	1000	NA	NA	0.013	NA	NA	999.6	4.3	7184-86-6	N/A
20.	n-Tetracontane	95708	120222	1.00	25.00	1000.6	1000.6	1000	NA	NA	0.013	NA	NA	999.9	4.3	4181-95-7	N/A

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: 95999

Lot Number: 040524

Description: NJ EPH Aliphatic n-Hydrocarbons - Revised
20 components

Expiration Date: 040534

Recommended Storage: Ambient (20 °C)

Nominal Concentration (µg/mL): 1000

NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL):

CAUTION: Sonicate Before Use

Solvent(s):
Cyclohexane

Lot#
28930

P13278
2
P13287
Y.P.
04/11/24

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By:	Anthony Mahoney	040524	DATE
Reviewed By:	Pedro L. Rentas	040524	DATE

Compound		Part Number	(RM#)	Lot Number	DIL Factor	Initial Vol. (mL)	Initial Conc (µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Pipette	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
																CAS#	OSHA PEL (TWA)	LD50
1.	2-Methylnaphthalene	(0214)	MKBF3783V	NA	NA	NA	NA	1000	97	0.2	NA	0.02579	0.02594	1005.7	5.7	91-57-6	N/A	or-rat 1630mg/kg
2.	Naphthalene	(0222)	MKB28680V	NA	NA	NA	NA	1000	100	0.2	NA	0.02502	0.02511	1003.7	5.7	91-20-3	10 ppm (50mg/m ³ /8H)	or-rat 490mg/kg
3.	n-Nonane	95708	120222	1.00	25.00	1000.7	1000	1000	NA	0.013	NA	NA	NA	1000.0	4.2	111-84-2	200 ppm (1050mg/m ³ /8H)	ivn-mus 218mg/kg
4.	n-Decane	95708	120222	1.00	25.00	1000.9	1000	1000	NA	0.013	NA	NA	NA	1000.2	4.2	124-18-5	N/A	N/A
5.	n-Dodecane	95708	120222	1.00	25.00	1000.7	1000	1000	NA	0.013	NA	NA	NA	1000.0	4.2	112-40-3	N/A	ivn-mus 3494mg/kg
6.	n-Tetradecane	95708	120222	1.00	25.00	1002.1	1000	1000	NA	0.013	NA	NA	NA	1001.3	4.2	629-59-4	N/A	N/A
7.	n-Hexadecane	95708	120222	1.00	25.00	1000.5	1000	1000	NA	0.013	NA	NA	NA	999.7	4.2	544-76-3	N/A	N/A
8.	n-Octadecane	95708	120222	1.00	25.00	1001.0	1000	1000	NA	0.013	NA	NA	NA	1000.3	4.1	583-45-3	N/A	N/A
9.	n-Eicosane	95708	120222	1.00	25.00	1001.0	1000	1000	NA	0.013	NA	NA	NA	1000.3	4.2	112-95-8	N/A	N/A
10.	n-Henicosane	95708	120222	1.00	25.00	1002.4	1000	1000	NA	0.013	NA	NA	NA	1001.6	4.2	629-94-7	N/A	N/A
11.	n-Docosane	95708	120222	1.00	25.00	1001.9	1000	1000	NA	0.013	NA	NA	NA	1001.2	4.2	629-97-0	N/A	N/A
12.	n-Tetracosane	95708	120222	1.00	25.00	1000.8	1000	1000	NA	0.013	NA	NA	NA	1000.1	4.2	646-31-1	N/A	N/A
13.	n-Hexacosane	95708	120222	1.00	25.00	1001.2	1000	1000	NA	0.013	NA	NA	NA	1000.4	4.2	630-01-3	N/A	N/A
14.	n-Octacosane	95708	120222	1.00	25.00	1000.5	1000	1000	NA	0.013	NA	NA	NA	999.8	4.2	630-02-4	N/A	N/A
15.	n-Triacontane	95708	120222	1.00	25.00	1000.5	1000	1000	NA	0.013	NA	NA	NA	999.8	4.2	638-68-6	N/A	N/A
16.	n-Dotriacontane	95708	120222	1.00	25.00	1000.5	1000	1000	NA	0.013	NA	NA	NA	999.8	4.3	544-85-4	N/A	ivn-mus 100mg/kg
17.	n-Tetracontane	95708	120222	1.00	25.00	1000.4	1000	1000	NA	0.013	NA	NA	NA	999.7	4.2	14167-59-0	N/A	N/A
18.	n-Hexatriacontane	95708	120222	1.00	25.00	1001.5	1000	1000	NA	0.013	NA	NA	NA	1000.8	4.2	630-08-8	N/A	N/A
19.	n-Octatriacontane	95708	120222	1.00	25.00	1000.3	1000	1000	NA	0.013	NA	NA	NA	999.6	4.3	7184-86-6	N/A	N/A
20.	n-Tetracontane	95708	120222	1.00	25.00	1000.6	1000	1000	NA	0.013	NA	NA	NA	999.9	4.3	4181-95-7	N/A	N/A

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31098 **Lot No.:** A0213283
Description : 1-Chlorooctadecane Standard
1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride,
1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2031 **Storage:** 10°C or colder
Ship: Ambient

P13595
↓
P13624 } Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	15018900	99%	10,058.0 µg/mL	+/- 565.0578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

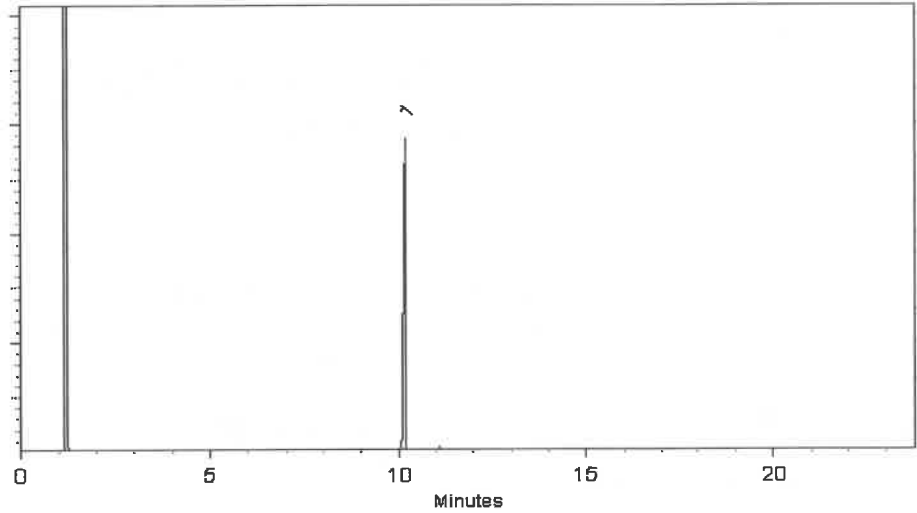
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 28-Jun-2024

Balance Serial # B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Catalog No. : 31098 **Lot No.:** A0213283

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

P13595
↓
P13624 } Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	15018900	99%	10,058.0 µg/mL	+/- 565.0578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

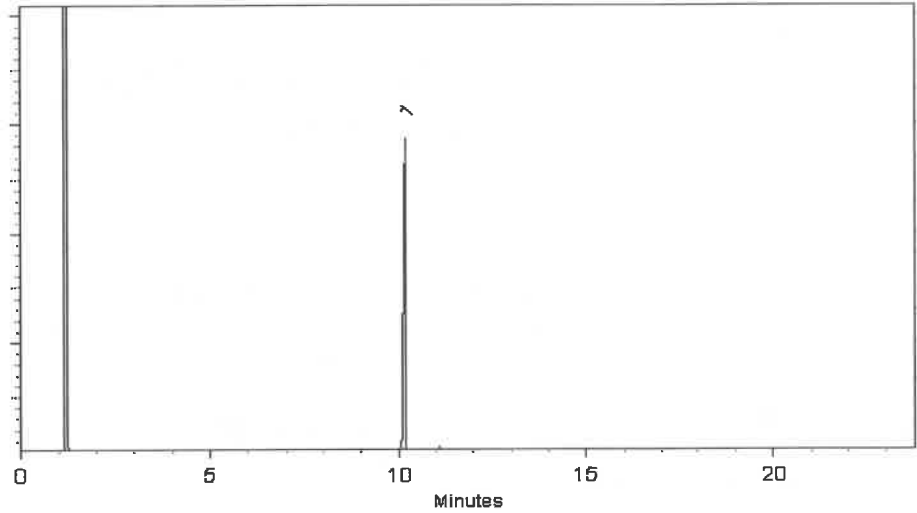
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 28-Jun-2024

Balance Serial # B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31098 **Lot No.:** A0213283

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

P13595
↓
P13624 } Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	15018900	99%	10,058.0 µg/mL	+/- 565.0578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

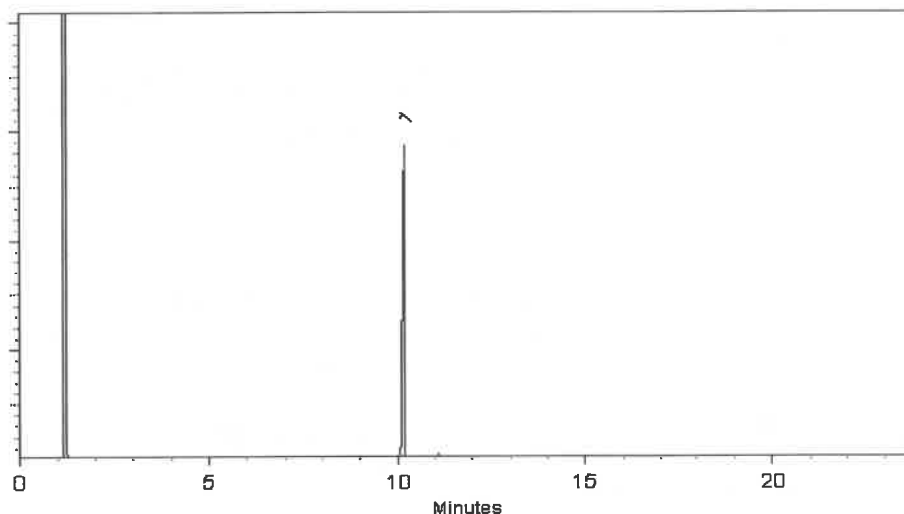
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 28-Jun-2024

Balance Serial # B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31098 **Lot No.:** A0213283

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

P13595
↓
P13624 } Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	15018900	99%	10,058.0 µg/mL	+/- 565.0578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

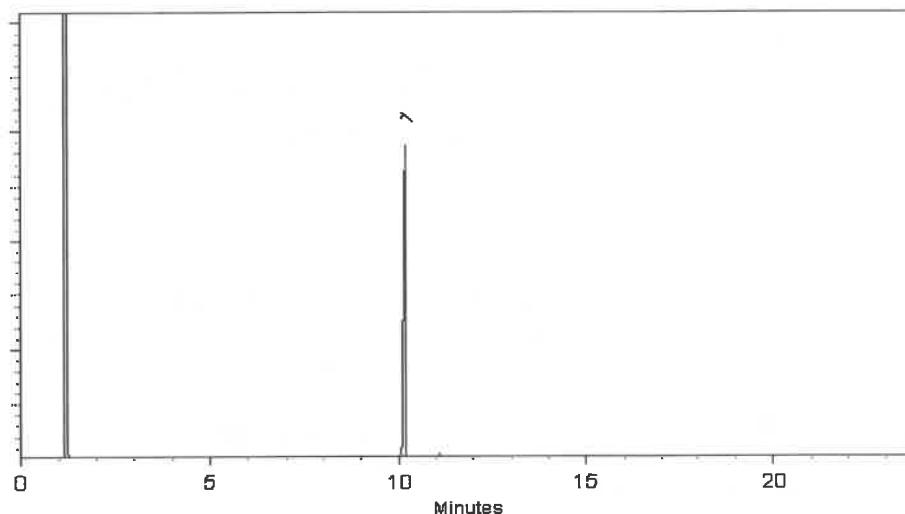
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 28-Jun-2024

Balance Serial # B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31098 **Lot No.:** A0213283

Description : 1-Chlorooctadecane Standard

1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2031 **Storage:** 10°C or colder

Ship: Ambient

P13595
↓
P13624 } Y.P.
10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Chlorooctadecane	3386-33-2	15018900	99%	10,058.0 µg/mL	+/- 565.0578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

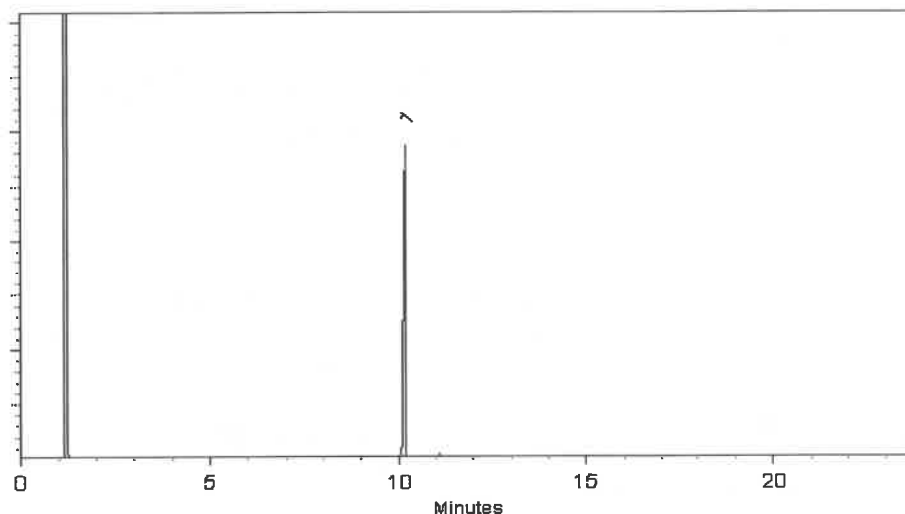
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 28-Jun-2024

Balance Serial # B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Jul-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631
Description : o-Terphenyl Standard
o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

P13645 } Y.P.
↓
P13694 } 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

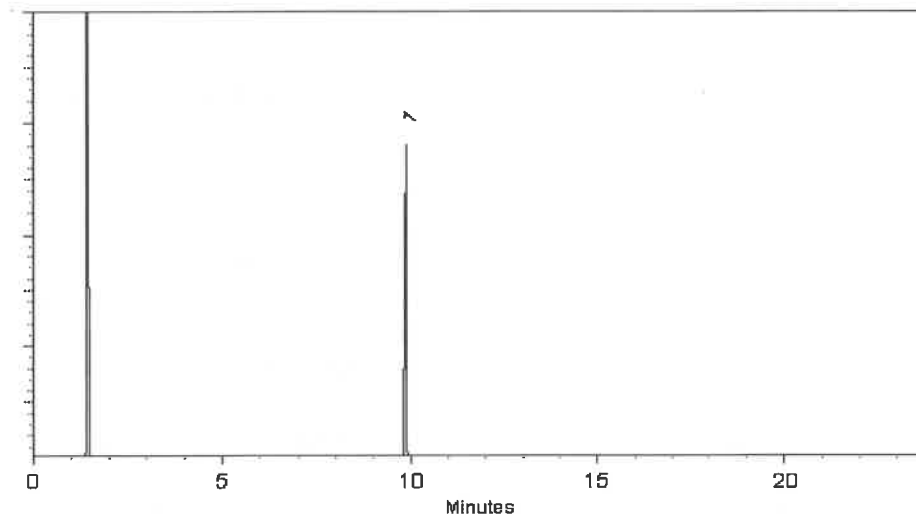
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



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Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024

Balance Serial # 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631
Description : o-Terphenyl Standard
o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

P13645 } Y.P.
↓
P13694 } 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

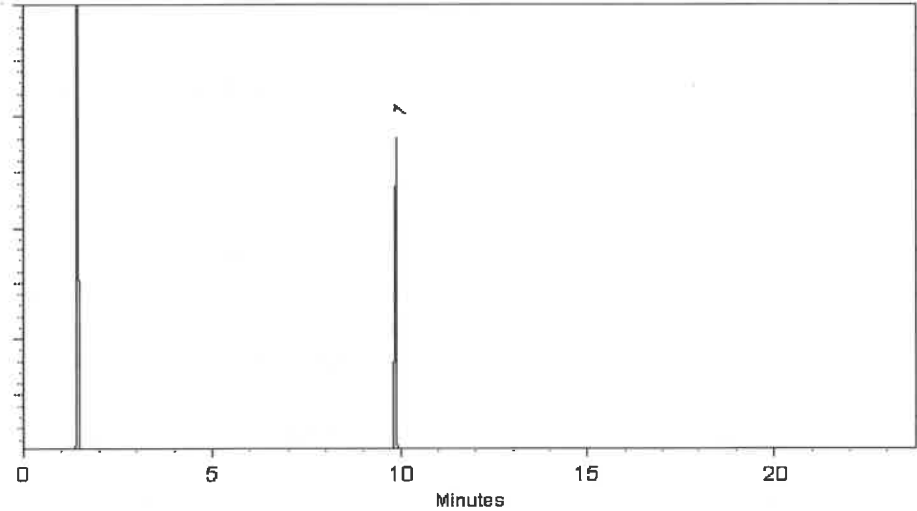
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024

Balance Serial # 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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Manufacturing Notes:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631
Description : o-Terphenyl Standard
o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

P13645 } Y.P.
↓
P13694 } 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

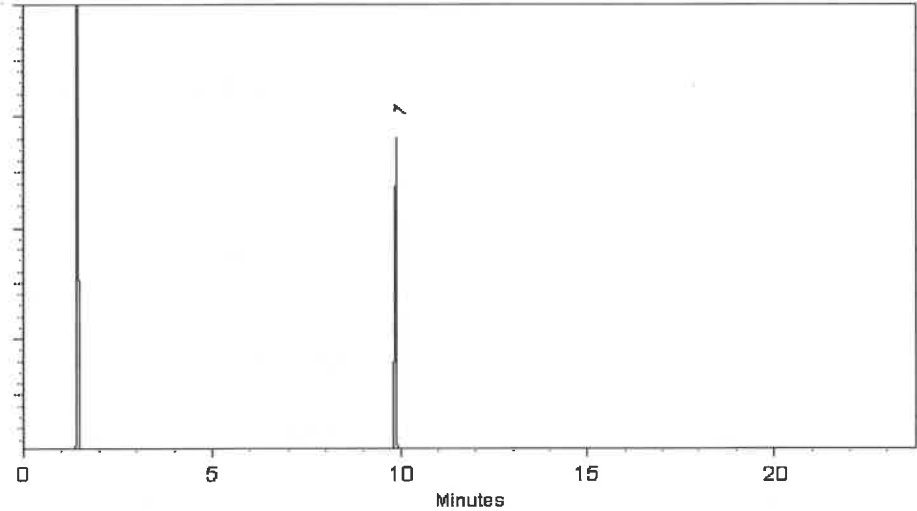
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



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Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024

Balance Serial # 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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Certified Uncertainty Value Notes:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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Manufacturing Notes:

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Handling Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631
Description : o-Terphenyl Standard
o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

P13645 } Y.P.
↓
P13694 } 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

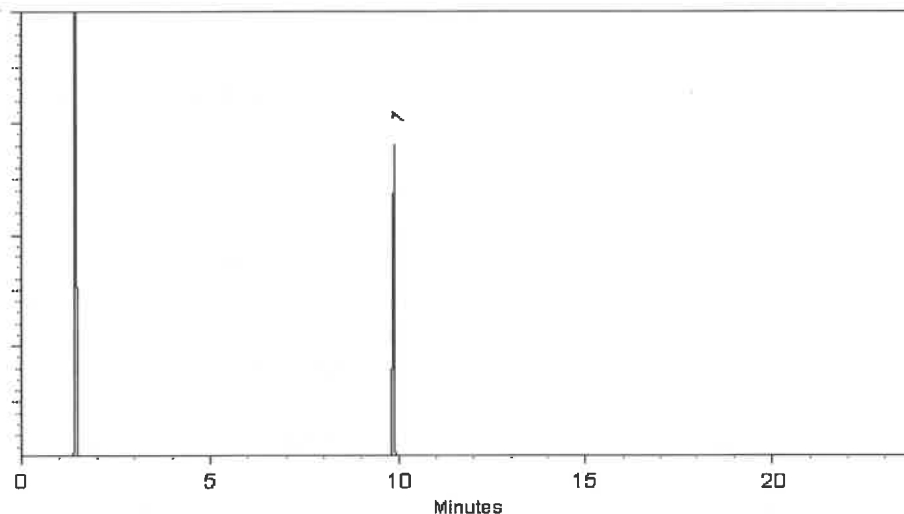
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024

Balance Serial # 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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Handling Notes:

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Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31097 **Lot No.:** A0216631
Description : o-Terphenyl Standard
o-Terphenyl Standard 10,000 µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

P13645 } Y.P.
↓
P13694 } 10/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o-Terphenyl	84-15-1	GKSSA	99%	10,065.0 µg/mL	+/- 453.3336

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

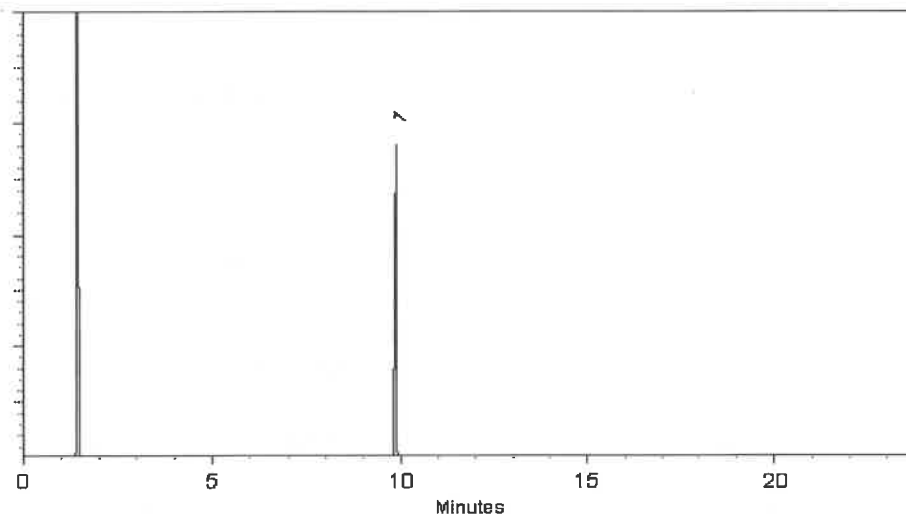
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 17-Sep-2024

Balance Serial # 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 23-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0225381

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13998
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P14017

} RC/
5/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-39	98%	200.3 µg/mL	+/- 9.0255
2	Naphthalene	91-20-3	STBL1057	99%	200.4 µg/mL	+/- 9.0294
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V16F	97%	200.2 µg/mL	+/- 9.0208
5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	200.3 µg/mL	+/- 9.0255
7	Phenanthrene	85-01-8	MKCV8193	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	101492T18R	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	A0458721	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I70012022BAA	99%	200.4 µg/mL	+/- 9.0294
12	Chrysene	218-01-9	RP250121RSR	99%	200.0 µg/mL	+/- 9.0114
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.4 µg/mL	+/- 9.0294
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	200.6 µg/mL	+/- 9.0383

17	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	200.4 µg/mL	+/- 9.0294
18	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	200.0 µg/mL	+/- 9.0114

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

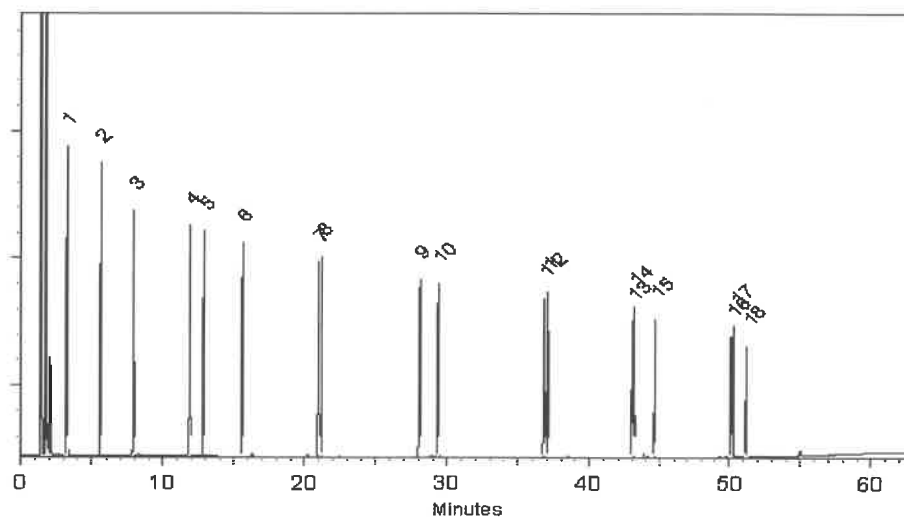
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505


Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13998
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P14017

} RC/
5/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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6	Fluorene	86-73-7	10246250	98%	200.3 µg/mL	+/- 9.0255
7	Phenanthrene	85-01-8	MKCV8193	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	101492T18R	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	A0458721	99%	200.4 µg/mL	+/- 9.0294
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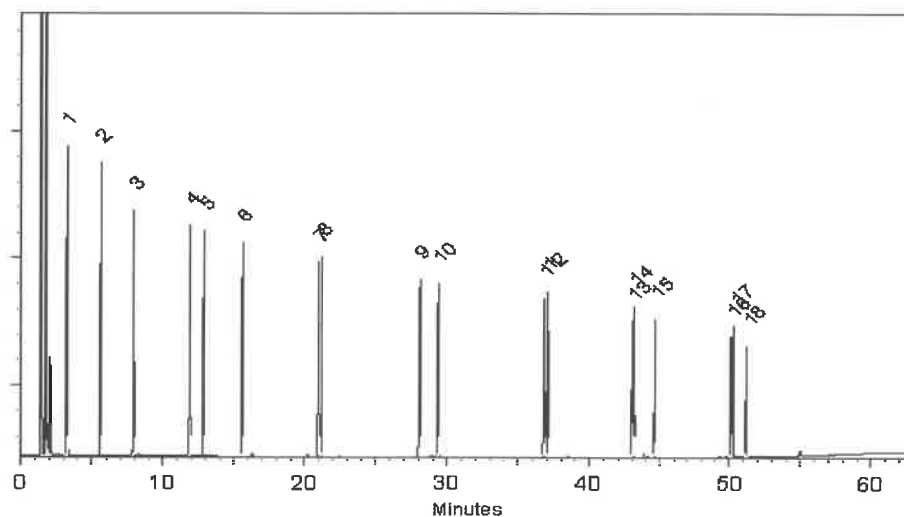
17	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	200.4 µg/mL	+/- 9.0294
18	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	200.0 µg/mL	+/- 9.0114

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.
Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)
Inj. Temp:
250°C
Det. Temp:
330°C
Det. Type:
FID
Split Vent:
20 ml/min.
Inj. Vol
1µl



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Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505


Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13998
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P14017

} RC/
5/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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7	Phenanthrene	85-01-8	MKCV8193	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	101492T18R	99%	200.4 µg/mL	+/- 9.0294
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13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.4 µg/mL	+/- 9.0294
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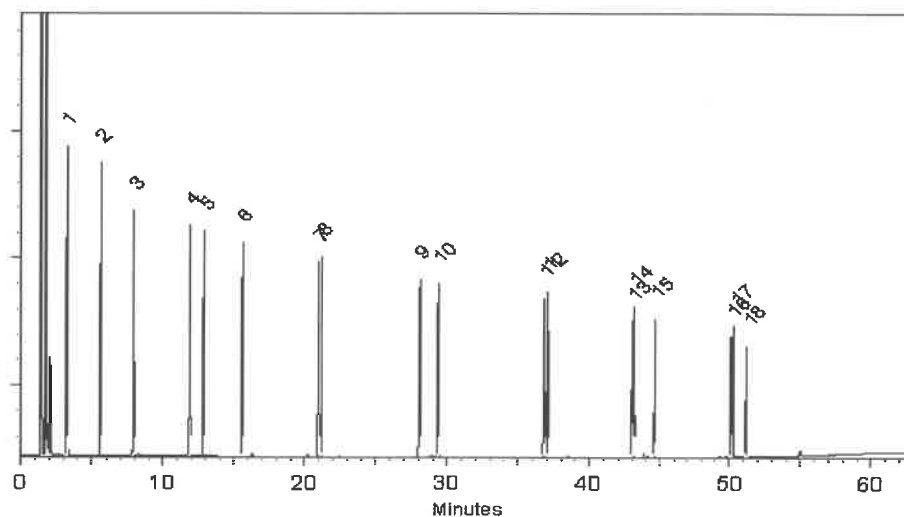
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.
Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)
Inj. Temp:
250°C
Det. Temp:
330°C
Det. Type:
FID
Split Vent:
20 ml/min.
Inj. Vol
1µl



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Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505


Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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Catalog No. : 30543 **Lot No.:** A0225381

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13998
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P14017 } RC/
5/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.4 µg/mL	+/- 9.0294
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

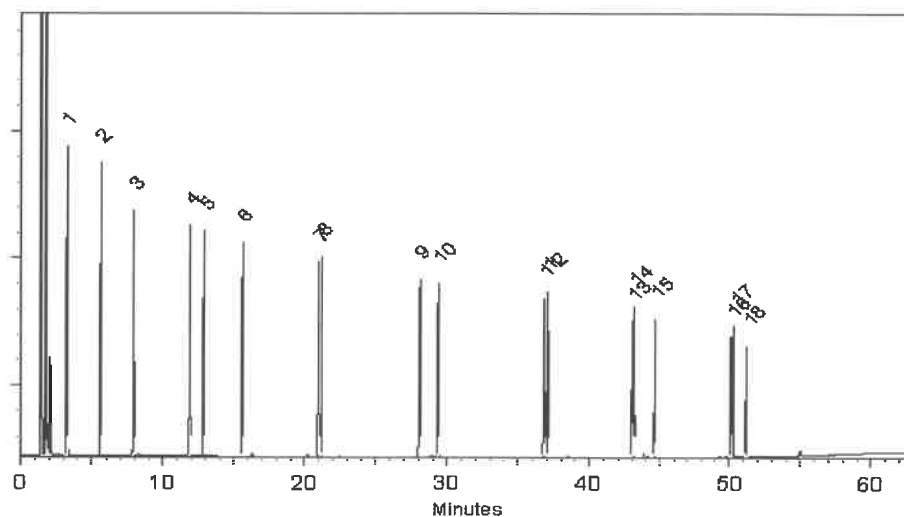
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



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Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505


Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

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P13998
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P14017

} RC/
5/21/25

CERTIFIED VALUES

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Temp. Program:
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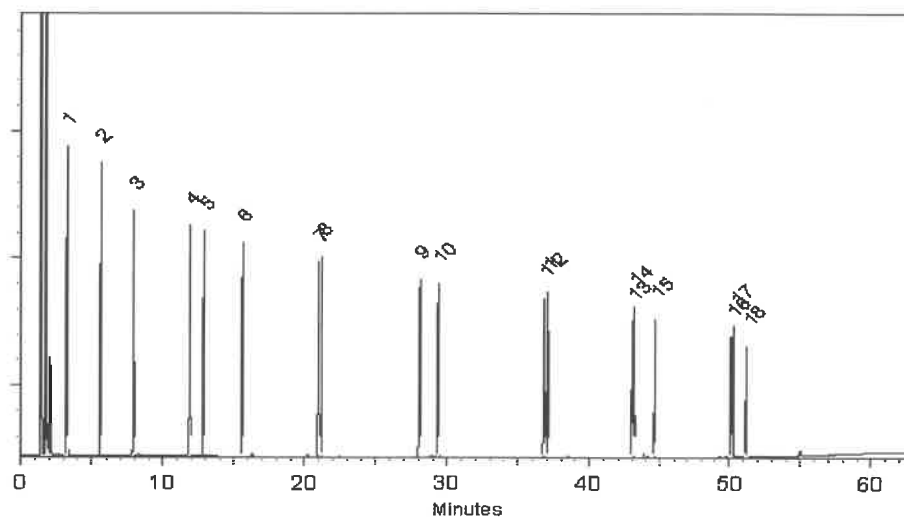
Inj. Temp:
250°C

Det. Temp:
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Det. Type:
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Split Vent:
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Inj. Vol
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Date Passed: 09-May-2025

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1	1,2,3-Trimethylbenzene	526-73-8	8776.10-39	98%	200.3 µg/mL	+/- 9.0255
2	Naphthalene	91-20-3	STBL1057	99%	200.4 µg/mL	+/- 9.0294
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V16F	97%	200.2 µg/mL	+/- 9.0208
5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	200.3 µg/mL	+/- 9.0255
7	Phenanthrene	85-01-8	MKCV8193	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	101492T18R	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	A0458721	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I70012022BAA	99%	200.4 µg/mL	+/- 9.0294
12	Chrysene	218-01-9	RP250121RSR	99%	200.0 µg/mL	+/- 9.0114
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.4 µg/mL	+/- 9.0294
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	200.6 µg/mL	+/- 9.0383

17	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	200.4 µg/mL	+/- 9.0294
18	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	200.0 µg/mL	+/- 9.0114

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

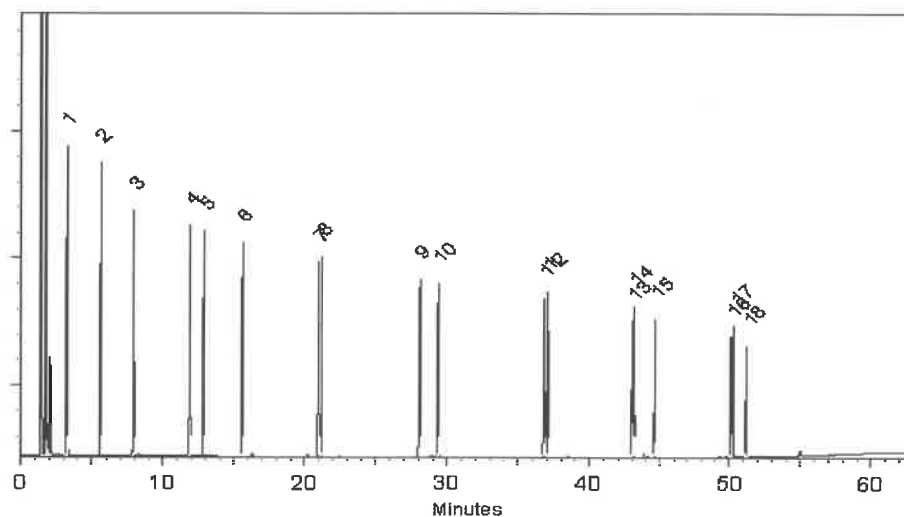
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505


Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0225381

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13998
↓
P14017

} Rc/
5/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-39	98%	200.3 µg/mL	+/- 9.0255
2	Naphthalene	91-20-3	STBL1057	99%	200.4 µg/mL	+/- 9.0294
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V16F	97%	200.2 µg/mL	+/- 9.0208
5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	200.3 µg/mL	+/- 9.0255
7	Phenanthrene	85-01-8	MKCV8193	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	101492T18R	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	A0458721	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I70012022BAA	99%	200.4 µg/mL	+/- 9.0294
12	Chrysene	218-01-9	RP250121RSR	99%	200.0 µg/mL	+/- 9.0114
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.4 µg/mL	+/- 9.0294
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	200.6 µg/mL	+/- 9.0383

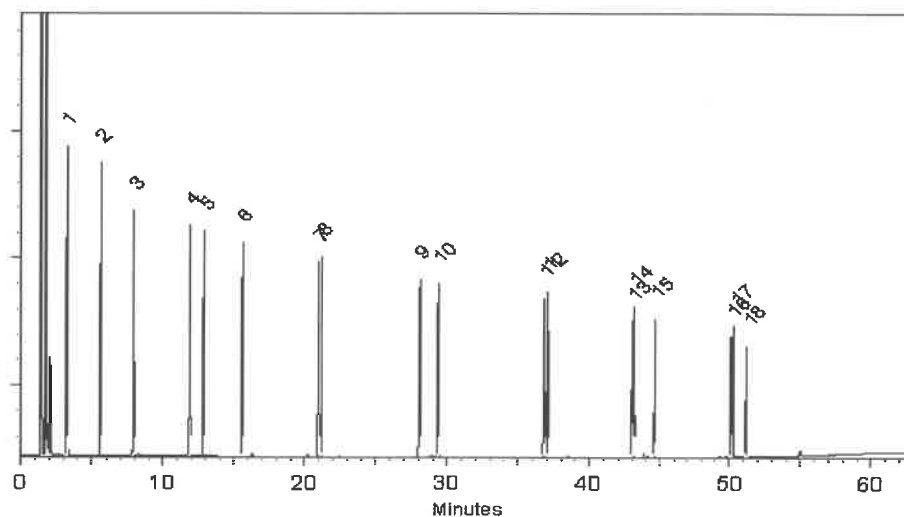
17	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	200.4 µg/mL	+/- 9.0294
18	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	200.0 µg/mL	+/- 9.0114

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.
Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)
Inj. Temp:
250°C
Det. Temp:
330°C
Det. Type:
FID
Split Vent:
20 ml/min.
Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Richard Zimmerman
Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505

Brittany Federinko
Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0225381

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13998
↓
P14017

} RC/
5/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-39	98%	200.3 µg/mL	+/- 9.0255
2	Naphthalene	91-20-3	STBL1057	99%	200.4 µg/mL	+/- 9.0294
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V16F	97%	200.2 µg/mL	+/- 9.0208
5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	200.3 µg/mL	+/- 9.0255
7	Phenanthrene	85-01-8	MKCV8193	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	101492T18R	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	A0458721	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I70012022BAA	99%	200.4 µg/mL	+/- 9.0294
12	Chrysene	218-01-9	RP250121RSR	99%	200.0 µg/mL	+/- 9.0114
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.4 µg/mL	+/- 9.0294
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	200.6 µg/mL	+/- 9.0383

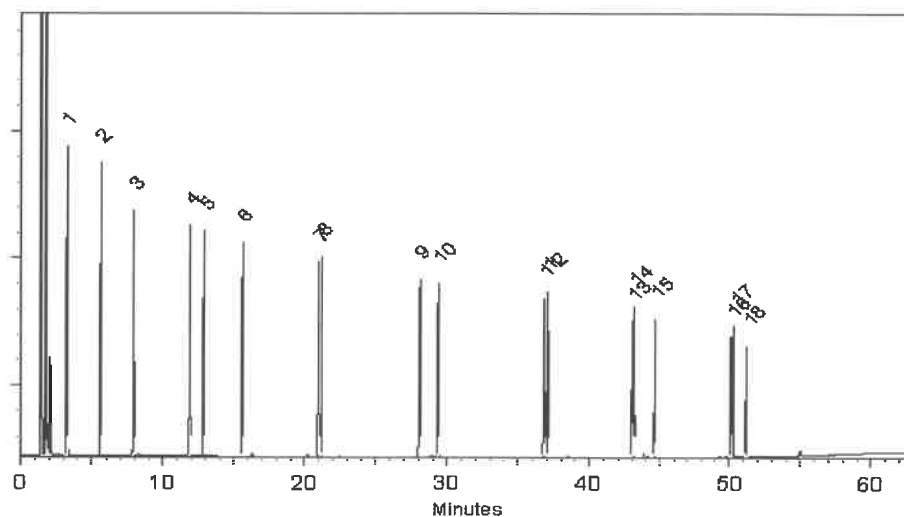
17	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	200.4 µg/mL	+/- 9.0294
18	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	200.0 µg/mL	+/- 9.0114

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.
Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)
Inj. Temp:
250°C
Det. Temp:
330°C
Det. Type:
FID
Split Vent:
20 ml/min.
Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Richard Zimmerman
Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505

Brittany Federinko
Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0225381

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13998
↓
P14017

} Rc/
5/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-39	98%	200.3 µg/mL	+/- 9.0255
2	Naphthalene	91-20-3	STBL1057	99%	200.4 µg/mL	+/- 9.0294
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V16F	97%	200.2 µg/mL	+/- 9.0208
5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	200.3 µg/mL	+/- 9.0255
7	Phenanthrene	85-01-8	MKCV8193	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	101492T18R	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	A0458721	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I70012022BAA	99%	200.4 µg/mL	+/- 9.0294
12	Chrysene	218-01-9	RP250121RSR	99%	200.0 µg/mL	+/- 9.0114
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.4 µg/mL	+/- 9.0294
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	200.6 µg/mL	+/- 9.0383

17	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	200.4 µg/mL	+/- 9.0294
18	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	200.0 µg/mL	+/- 9.0114

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

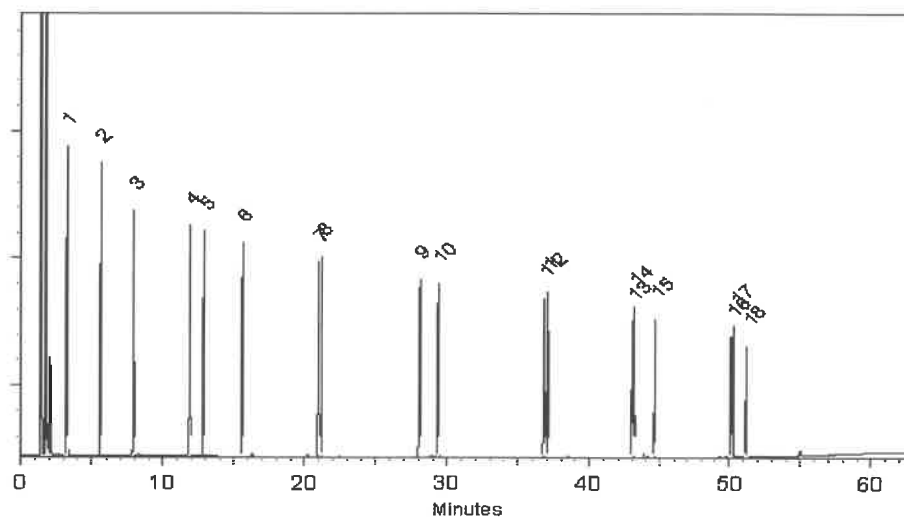
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505


Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30543 **Lot No.:** A0225381

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P13998
↓
P14017

} RC/
5/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-39	98%	200.3 µg/mL	+/- 9.0255
2	Naphthalene	91-20-3	STBL1057	99%	200.4 µg/mL	+/- 9.0294
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V16F	97%	200.2 µg/mL	+/- 9.0208
5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	200.3 µg/mL	+/- 9.0255
7	Phenanthrene	85-01-8	MKCV8193	99%	200.8 µg/mL	+/- 9.0474
8	Anthracene	120-12-7	101492T18R	99%	200.4 µg/mL	+/- 9.0294
9	Fluoranthene	206-44-0	A0458721	99%	200.4 µg/mL	+/- 9.0294
10	Pyrene	129-00-0	BCCK2592	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I70012022BAA	99%	200.4 µg/mL	+/- 9.0294
12	Chrysene	218-01-9	RP250121RSR	99%	200.0 µg/mL	+/- 9.0114
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.4 µg/mL	+/- 9.0294
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	200.4 µg/mL	+/- 9.0294
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	200.6 µg/mL	+/- 9.0383

17	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	200.4 µg/mL	+/- 9.0294
18	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	200.0 µg/mL	+/- 9.0114

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone/Toluene (50:50)
CAS # 67-64-1/108-88-3
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
100°C (hold 1 min.) to 330°C
@ 4°C/min. (hold 5 min.)

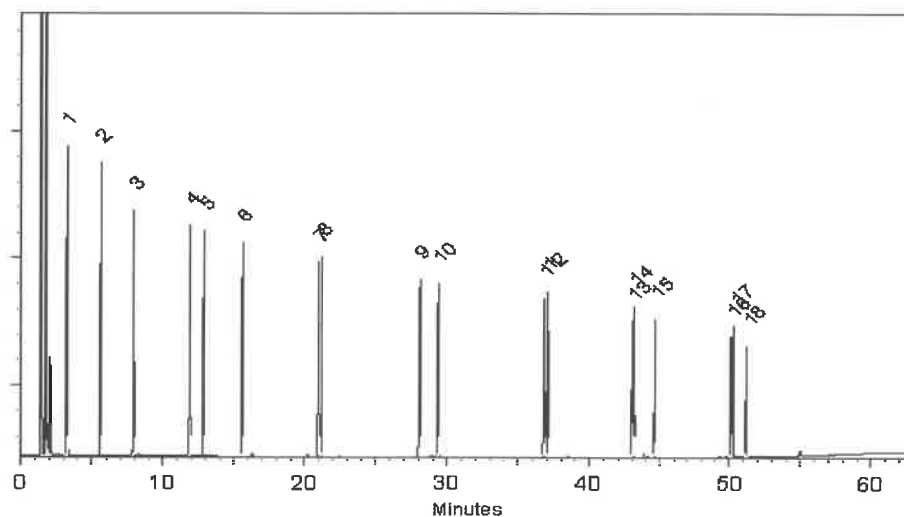
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
20 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Richard Zimmerman - Operations Tech I

Date Mixed: 06-May-2025 **Balance Serial #** 1128353505


Brittany Federinko - Operations Tech II

Date Passed: 09-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0220449

Description : NJEPH Aliphatics Matrix Spike Mix
NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P14018 } RC/
↓
P14027 } 5/21/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	201.3 µg/mL	+/- 5.2012
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.7 µg/mL	+/- 5.2098
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	201.3 µg/mL	+/- 5.2012
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.3 µg/mL	+/- 5.1753
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1839
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.1 µg/mL	+/- 5.1704
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.7 µg/mL	+/- 5.1839
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.3 µg/mL	+/- 5.1753
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	201.3 µg/mL	+/- 5.2012
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	201.0 µg/mL	+/- 5.1926
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.3 µg/mL	+/- 5.1753
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.2 µg/mL	+/- 5.1984
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	201.7 µg/mL	+/- 5.2098
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	201.3 µg/mL	+/- 5.2012
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	201.7 µg/mL	+/- 5.2098
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	201.6 µg/mL	+/- 5.2081

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

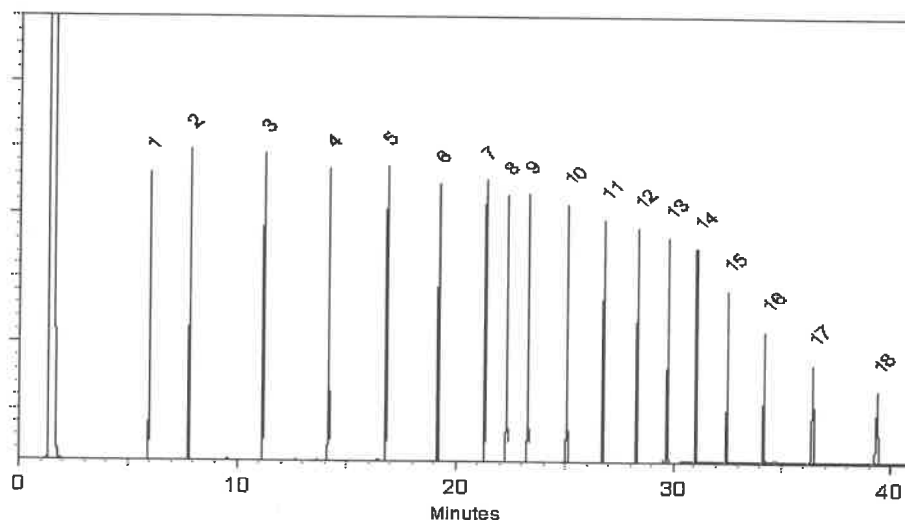
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish
Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024

Balance Serial # C322230531

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 27-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0220449

Description : NJEPH Aliphatics Matrix Spike Mix
NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

714084 } AC
↓
714093 } 7/16/25

CERTIFIED VALUES

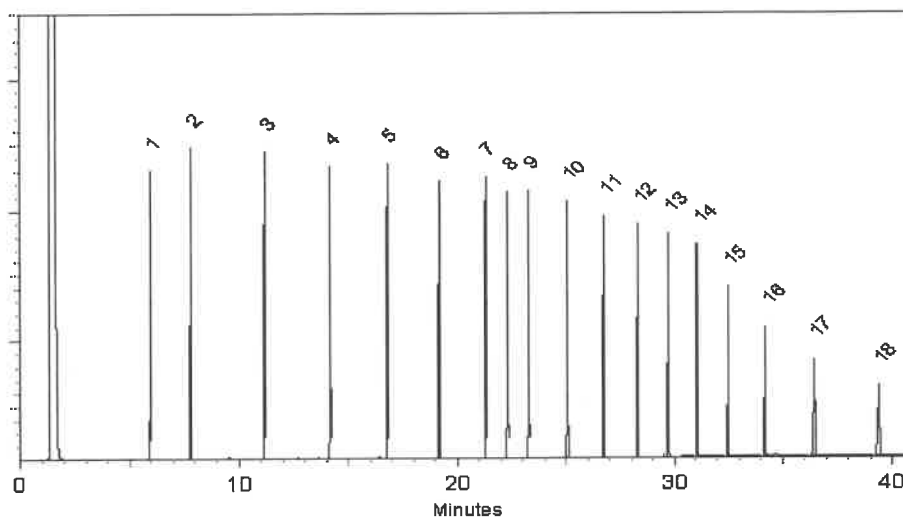
Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	201.3 µg/mL	+/- 5.2012
2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.7 µg/mL	+/- 5.2098
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	201.3 µg/mL	+/- 5.2012
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.7 µg/mL	+/- 5.1839
5	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	200.3 µg/mL	+/- 5.1753
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.7 µg/mL	+/- 5.1839
7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.1 µg/mL	+/- 5.1704
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.7 µg/mL	+/- 5.1839
9	n-Docosane (C22)	629-97-0	MKCQ3882	99%	200.3 µg/mL	+/- 5.1753
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	201.3 µg/mL	+/- 5.2012
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	201.0 µg/mL	+/- 5.1926
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.3 µg/mL	+/- 5.1753
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.2 µg/mL	+/- 5.1984
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	201.7 µg/mL	+/- 5.2098
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	201.3 µg/mL	+/- 5.2012
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	201.7 µg/mL	+/- 5.2098
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	201.6 µg/mL	+/- 5.2081

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
Carrier Gas:
hydrogen-constant pressure 10 psi.
Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)
Inj. Temp:
250°C
Det. Temp:
330°C
Det. Type:
FID
Split Vent:
2 ml/min.
Inj. Vol
1µl



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Brandon Reish
Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

Dillon Murphy
Dillon Murphy - Operations Technician I

Date Passed: 27-Dec-2024

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Catalog No. : 30542 **Lot No.:** A0220449

Description : NJEPH Aliphatics Matrix Spike Mix
NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

714084 } AC
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714093 } 7/16/25

CERTIFIED VALUES

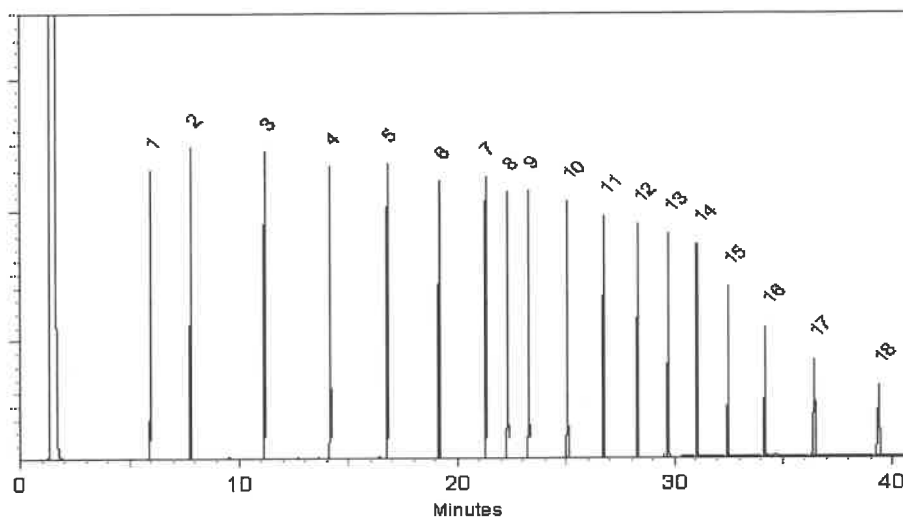
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2	n-Decane (C10)	124-18-5	SHBQ1342	99%	201.7 µg/mL	+/- 5.2098
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	201.3 µg/mL	+/- 5.2012
4	n-Tetradecane (C14)	629-59-4	STBL0465	99%	200.7 µg/mL	+/- 5.1839
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7	n-Eicosane (C20)	112-95-8	MKCN8767	97%	200.1 µg/mL	+/- 5.1704
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.7 µg/mL	+/- 5.1839
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10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	201.3 µg/mL	+/- 5.2012
11	n-Hexacosane (C26)	630-01-3	MKCQ4814	99%	201.0 µg/mL	+/- 5.1926
12	n-Octacosane (C28)	630-02-4	BCCJ4566	99%	200.3 µg/mL	+/- 5.1753
13	n-Triacontane (C30)	638-68-6	MKCV7007	98%	201.2 µg/mL	+/- 5.1984
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	201.7 µg/mL	+/- 5.2098
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	201.3 µg/mL	+/- 5.2012
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	201.7 µg/mL	+/- 5.2098
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)
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@ 10°C/min. (hold 10 min.)
Inj. Temp:
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Det. Temp:
330°C
Det. Type:
FID
Split Vent:
2 ml/min.
Inj. Vol
1µl



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Brandon Reish
Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 27-Dec-2024

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NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

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Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

714084 } AC
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714093 } 7/16/25

CERTIFIED VALUES

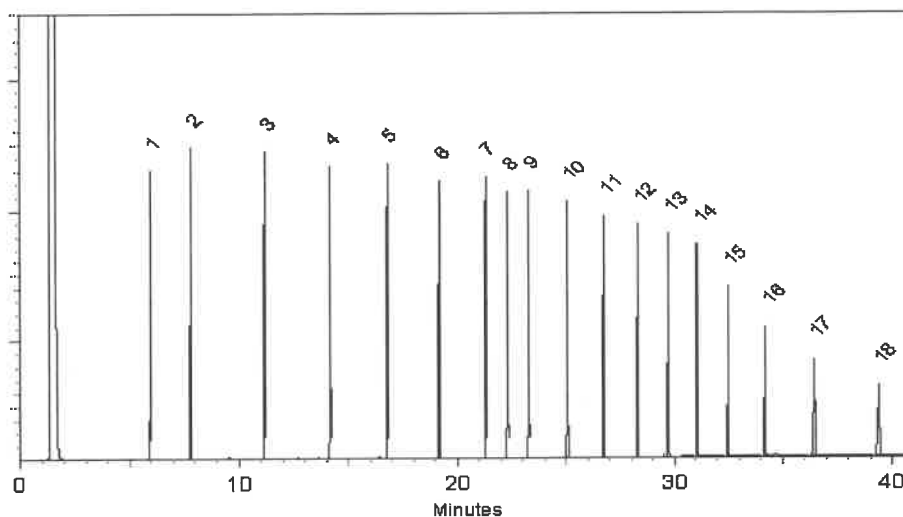
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330°C
Det. Type:
FID
Split Vent:
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Inj. Vol
1µl



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Brandon Reish
Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

Dillon Murphy
Dillon Murphy - Operations Technician I

Date Passed: 27-Dec-2024

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Registered Quality System
Certificate #FM 80397



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714084 } AC
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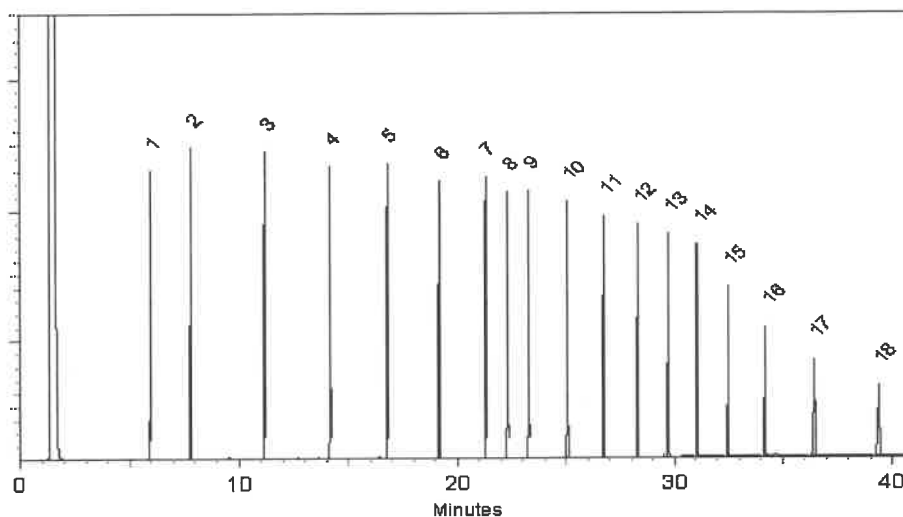
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Det. Type:
FID
Split Vent:
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Inj. Vol
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Brandon Reish
Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 27-Dec-2024

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714084 } AC
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714093 } 7/16/25

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Purity 99%

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Rtx-5 (cat.#10223)

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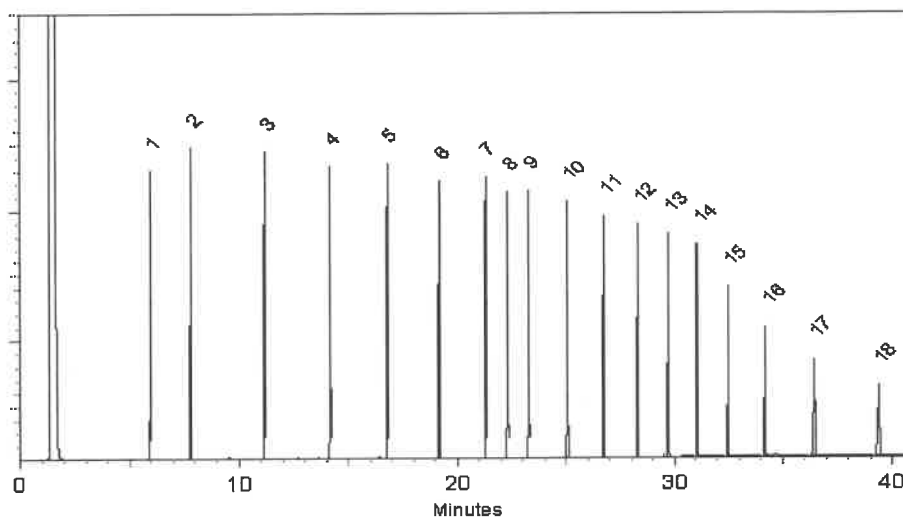
Inj. Temp:
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Det. Temp:
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Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
CAS # 109-66-0
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

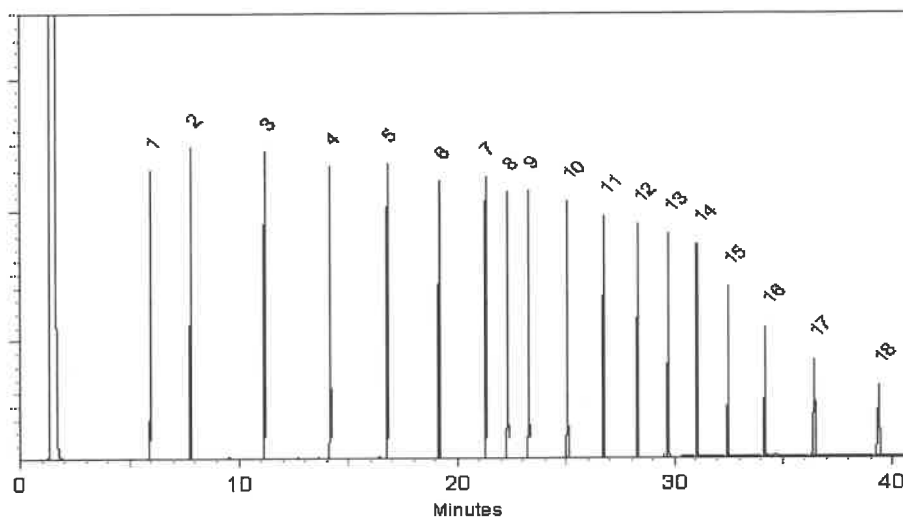
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Brandon Reish
Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 27-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** A0220449

Description : NJEPH Aliphatics Matrix Spike Mix
NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

714084 } AC
↓
714093 } 7/16/25

CERTIFIED VALUES

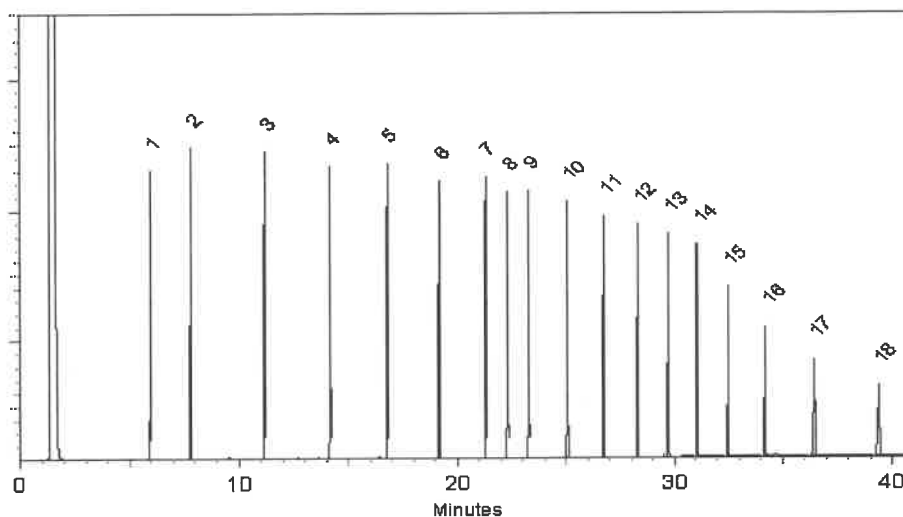
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14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	201.7 µg/mL	+/- 5.2098
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	201.3 µg/mL	+/- 5.2012
16	n-Hexatriacontane (C36)	630-06-8	Z27H018	99%	201.7 µg/mL	+/- 5.2098
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	201.6 µg/mL	+/- 5.2081

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: n-Pentane
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Det. Type:
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Inj. Vol
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Brandon Reish - Operations Technician III

Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 27-Dec-2024

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714093 } 7/16/25

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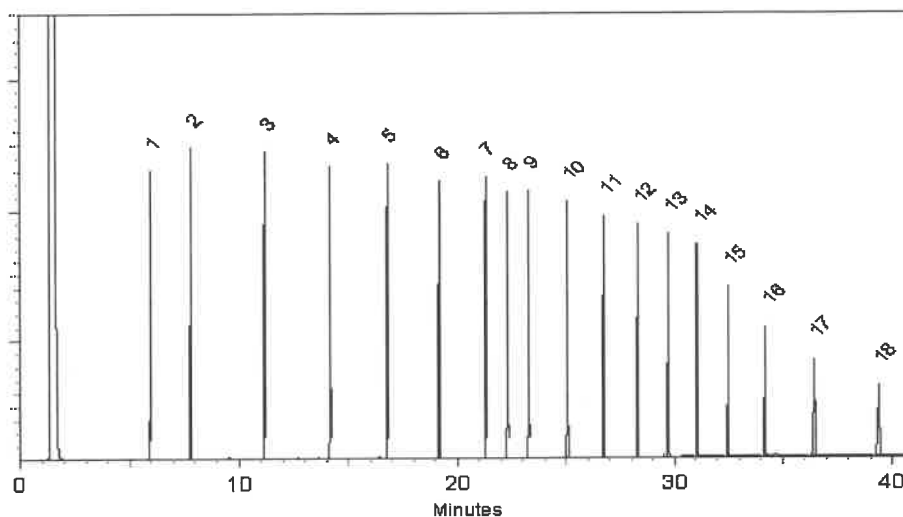
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Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 27-Dec-2024

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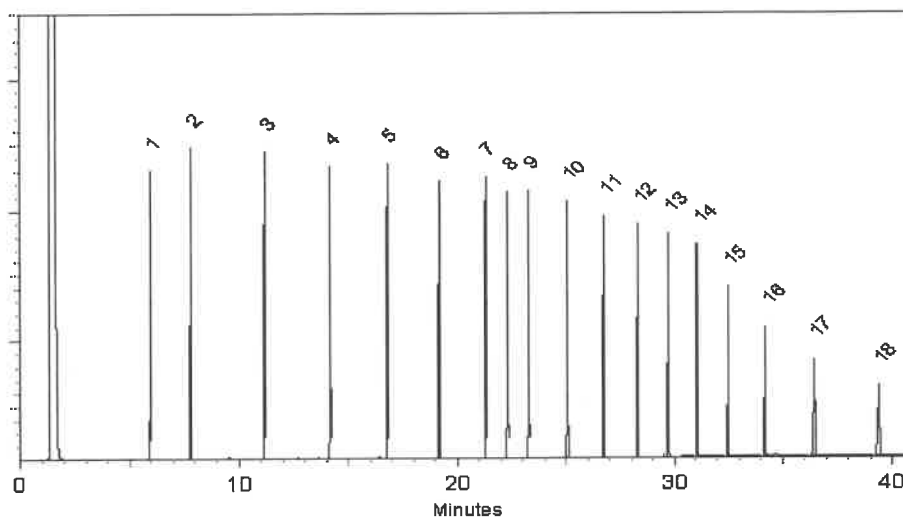
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Date Mixed: 23-Dec-2024 **Balance Serial #** C322230531

Dylan Murphy
Dylan Murphy - Operations Technician I

Date Passed: 27-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantorsTM**



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

W3234 88
07/28/2025

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



SHIPPING DOCUMENTS

2 2868

507 Franklin Ave

CHEMTECH

CHAIN OF CUSTODY RECORD

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

Chemtech Project Number Nutley
COC Number

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

DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS	
FAX (RUSH):	DAYS*	☐ Level 1 (Results Only)	☐ Level 4 (QC + Full Raw Data)		
HARDCOPY (DATA PACKAGE):	DAYS*	☐ Level 2 (Results + QC)	☐ NJ Reduced ☐ US EPA CLP		
EDD:	DAYS*	☐ Level 3 (Results + QC + Raw Data)	☐ NYS ASP A ☐ NYS ASP B		
*TO BE APPROVED BY CHEMTECH		☐ EDD FORMAT	☐ Other		
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS					

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										← Specify Preservatives	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	A-HCl B-HNO3 C-H2SO4	D-NaOH E-ICE F-OTHER
1.	WASTE				8/11/25	7:45	1	X										
2.	VOC				8/11/25	9:15	1		X									
3.	1				8/11/25	2:30	1			X								
4.	2				8/11/25	10:15	1			X								
5.	3				8/11/25	9:30	1			X								
6.	4				8/11/25	10:15	1			X								
7.	5				8/11/25	9:15	1			X								
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER	DATE/TIME 8-13-25	RECEIVED BY 1428	Conditions of bottles or collars at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.8°
1.		1.	Comments:
RELINQUISHED BY	DATE/TIME	RECEIVED BY	
2.		2.	
RELINQUISHED BY	DATE/TIME 8-13-25	RECEIVED FOR LAB BY	Page ____ of ____
3.		3.	CLIENT: ☐ Hand Delivered ☐ Other: _____
			CHEMTECH: ☐ Picked Up
			Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2868 SCIA01

Order Date : 8/14/2025 9:08:00 AM

Project Mgr :

Client Name : Sciacca General Contractor

Project Name : 11 Newman Ave Nutley

Report Type : Results Only

Client Contact : Rosanne Scirica

Receive DateTime : 8/13/2025 6:18:00 PM

EDD Type : EXCEL NJCLEANUP

Invoice Name : Sciacca General Contractor

Purchase Order :

Hard Copy Date :

Invoice Contact : Rosanne Scirica

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2868-02	VOC	Solid	08/12/2025	08:00	VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By :

Date / Time :

[Signature]

8/14/25 0930

Received By :

Date / Time :

[Signature]

8/14/25 9:30

Storage Area : VOA Refridgerator Room

[Handwritten notes: 1286, C22]