

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:	Q3742	OrderDate:	12/1/2025 9:06:00 AM
Client:	Remington & Vernick	Project:	Saddler Property
Contact:	Justin Zarzecki	Location:	--Select--,A21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3742-01	SB-1125-23	SOIL			11/25/25			11/26/25
			PCB	8082A		12/02/25	12/02/25	
			EPH_NF	NJEPH		12/02/25	12/02/25	
Q3742-02	SB-1125-19	SOIL			11/25/25			11/26/25
			PCB	8082A		12/02/25	12/02/25	
			EPH_NF	NJEPH		12/02/25	12/02/25	
Q3742-03	SB-1125-8	SOIL			11/25/25			11/26/25
			PCB	8082A		12/02/25	12/02/25	
Q3742-04	SB-1125-9	SOIL			11/25/25			11/26/25
			PCB	8082A		12/02/25	12/02/25	
Q3742-05	SB-1125-21	SOIL			11/25/25			11/26/25
			PCB	8082A		12/02/25	12/02/25	
			EPH_NF	NJEPH		12/02/25	12/02/25	
Q3742-06	SB-1125-13	SOIL			11/25/25			11/26/25
			PCB	8082A		12/02/25	12/02/25	
			EPH_NF	NJEPH		12/02/25	12/02/25	
Q3742-07	SB-1125-18	SOIL			11/25/25			11/26/25
			PCB	8082A		12/02/25	12/02/25	
			EPH_NF	NJEPH		12/02/25	12/02/25	
Q3742-08	SB-1125-20	SOIL			11/25/25			11/26/25
			PCB	8082A		12/02/25	12/02/25	
			EPH_NF	NJEPH		12/02/25	12/02/25	
Q3742-09	SB-1125-22	SOIL			11/25/25			11/26/25
			PCB	8082A		12/02/25	12/02/25	
			EPH_NF	NJEPH		12/02/25	12/02/25	

LAB CHRONICLE

Q3742-10	SB-1125-2	SOIL			11/25/25			11/26/25
			PCB	8082A		12/02/25	12/02/25	
			EPH_NF	NJEPH		12/02/25	12/02/25	
Q3742-16	SB-1125-1	SOIL			11/25/25			11/26/25
			PCB	8082A		12/02/25	12/02/25	
			EPH_NF	NJEPH		12/02/25	12/02/25	
Q3742-17	SB-1125-25	SOIL			11/25/25			11/26/25
			PCB	8082A		12/02/25	12/02/25	
			EPH_NF	NJEPH		12/02/25	12/02/25	
Q3742-18	SB-1125-24	SOIL			11/25/25			11/26/25
			PCB	8082A		12/02/25	12/02/25	
			EPH_NF	NJEPH		12/02/25	12/02/25	



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: REMI01
Lab Code: ACE SDG No.: Q3742
Run Number: FE120225AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB170789BL	57	67		0
PB170789BS	62	69		0
PB170789BSD	63	70		0
SB-1125-23	49	56		0
SB-1125-19	44	50		0
SB-1125-21	47	55		0
SB-1125-13	50	57		0
SB-1125-18	43	51		0
SB-1125-20	44	45		0
SB-1125-22	50	57		0
SB-1125-2	41	48		0
SB-1125-1	44	51		0
SB-1125-25	41	47		0
SB-1125-24	54	61		0
SB-1125-24MS	54	58		0
SB-1125-24MSD	54	58		0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

D Surrogate diluted out

SOIL EPH SURROGATE RECOVERY

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

D Surrogate diluted out

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Remington & Vernick</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3742</u>
Sample No :	<u>Q3742-18MS</u>	Datafile:	<u>FE057138.D</u>
		Client ID :	<u>SB-1125-24MS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	47.7	10.4	48.1	79		(40-140)
Aliphatic C9-C28	159.0	6.30	118	70		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	5.3	0.0109	2.3227	44		(40-140)
n-Decane (C10)	5.3	0.0094	5.5797	105		(40-140)
Naphthalene (C11.7)	5.3	0.0216	3.5037	66		(40-140)
n-Dodecane (C12)	5.3	0.0081	3.1906	60		(40-140)
2-methylnaphthalene (C12.89)	5.3	0.0143	3.7187	70		(40-140)
n-Tetradecane (C14)	5.3	0.0360	3.8213	71		(40-140)
n-Hexadecane (C16)	5.3	0.0336	4.1190	77		(40-140)
n-Octadecane (C18)	5.3	0.0194	4.1448	78		(40-140)
n-Eicosane (C20)	5.3	0.0889	4.3900	81		(40-140)
n-Heneicosane (C21)	5.3	0.0356	4.3804	82		(40-140)
n-Docosane (C22)	5.3	0.0467	4.3087	80		(40-140)
n-Tetracosane (C24)	10.6	0.3866	13.6368	125		(40-140)
n-Hexacosane (C26)	5.3	0.0483	4.0664	76		(40-140)
n-Octacosane (C28)	5.3	0.2449	4.2308	75		(40-140)
n-Tricontane (C30)	5.3	0.1598	3.5587	64		(40-140)
n-Dotriacontane (C32)	5.3	0.1383	3.4151	62		(40-140)
n-Tetratriacontane (C34)	5.3	0.1206	3.4476	63		(40-140)
n-Hexatriacontane (C36)	5.3	0.6153	4.4852	73		(40-140)
n-Octatriacontane (C38)	5.3	0.3669	4.8961	85		(40-140)
n-Tetracontane (C40)	5.3	0.2028	4.4089	79		(40-140)

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Remington & Vernick</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3742</u>
Sample No :	<u>Q3742-18MSD</u>	Datafile:	<u>FE057139.D</u>
		Client ID :	<u>SB-1125-24MSD</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	47.6	10.4	48.2	79		0.25 (40-140) 50
Aliphatic C9-C28	158.7	6.30	119	71		1 (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)	5.3	0.0109	2.3457	44		0 (40-140) 50
n-Decane (C10)	5.3	0.0094	5.6357	106		0.95 (40-140) 50
Naphthalene (C11.7)	5.3	0.0216	3.5271	66		0 (40-140) 50
n-Dodecane (C12)	5.3	0.0081	3.2076	60		0 (40-140) 50
2-methylnaphthalene (C12.89)	5.3	0.0143	3.7462	70		0 (40-140) 50
n-Tetradecane (C14)	5.3	0.0360	3.8421	72		1.4 (40-140) 50
n-Hexadecane (C16)	5.3	0.0336	4.1621	78		1.29 (40-140) 50
n-Octadecane (C18)	5.3	0.0194	4.1743	78		0 (40-140) 50
n-Eicosane (C20)	5.3	0.0889	4.4304	82		1.23 (40-140) 50
n-Heneicosane (C21)	5.3	0.0356	4.4209	83		1.21 (40-140) 50
n-Docosane (C22)	5.3	0.0467	4.3519	81		1.24 (40-140) 50
n-Tetracosane (C24)	10.6	0.3866	13.7511	126		0.8 (40-140) 50
n-Hexacosane (C26)	5.3	0.0483	4.0949	76		0 (40-140) 50
n-Octacosane (C28)	5.3	0.2449	4.0855	72		4.08 (40-140) 50
n-Tricontane (C30)	5.3	0.1598	3.5773	64		0 (40-140) 50
n-Dotriacontane (C32)	5.3	0.1383	3.4256	62		0 (40-140) 50
n-Tetratriacontane (C34)	5.3	0.1206	3.4523	63		0 (40-140) 50
n-Hexatriacontane (C36)	5.3	0.6153	4.1805	67		8.57 (40-140) 50
n-Octatriacontane (C38)	5.3	0.3669	4.5284	79		7.32 (40-140) 50
n-Tetracontane (C40)	5.3	0.2028	4.4160	79		0 (40-140) 50

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Remington & Vernick</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3742</u>
Sample No :	<u>PB170789BS</u>	Datafile:	<u>FE057124.D</u>
		Client ID :	<u>PB170789BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	30.0	27.2	91		(40-140)
Aliphatic C9-C28	100.1	78.5	79		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	2.55033	77		(40-140)
n-Decane (C10)	3.3	2.62174	79		(40-140)
Naphthalene (C11.7)	3.3	3.18842	97		(40-140)
n-Dodecane (C12)	3.3	2.76255	84		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.96452	90		(40-140)
n-Tetradecane (C14)	3.3	2.82656	86		(40-140)
n-Hexadecane (C16)	3.3	2.73731	83		(40-140)
n-Octadecane (C18)	3.3	2.70660	82		(40-140)
n-Eicosane (C20)	3.3	2.80954	85		(40-140)
n-Heneicosane (C21)	3.3	2.82181	86		(40-140)
n-Docosane (C22)	3.3	2.77451	84		(40-140)
n-Tetracosane (C24)	6.7	5.85223	87		(40-140)
n-Hexacosane (C26)	3.3	2.62328	79		(40-140)
n-Octacosane (C28)	3.3	2.68966	82		(40-140)
n-Tricontane (C30)	3.3	2.25135	68		(40-140)
n-Dotriacontane (C32)	3.3	2.16739	66		(40-140)
n-Tetratriacontane (C34)	3.3	2.61917	79		(40-140)
n-Hexatriacontane (C36)	3.3	3.17084	96		(40-140)
n-Octatriacontane (C38)	3.3	3.56890	108		(40-140)
n-Tetracontane (C40)	3.3	3.84940	117		(40-140)

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Remington & Vernick
Lab Code: ACE **SDG No:** Q3742
Sample No : PB170789BSD **Datafile:** FE057125.D **Client ID :** PB170789BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%) QC Limit Of RPD
Aliphatic C28-C40	30.0	26.9	90		1.1 (40-140) 25
Aliphatic C9-C28	99.9	79.6	80		1.5 (40-140) 25

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS(%) QC Limit Of RPD
n-Nonane (C9)	3.3	2.58690	78		1.29 (40-140) 25
n-Decane (C10)	3.3	2.65879	81		2.5 (40-140) 25
Naphthalene (C11.7)	3.3	3.24102	98		1.03 (40-140) 25
n-Dodecane (C12)	3.3	2.79944	85		1.18 (40-140) 25
2-methylnaphthalene (C12.89)	3.3	3.00852	91		1.1 (40-140) 25
n-Tetradecane (C14)	3.3	2.86553	87		1.16 (40-140) 25
n-Hexadecane (C16)	3.3	2.77198	84		1.2 (40-140) 25
n-Octadecane (C18)	3.3	2.73852	83		1.21 (40-140) 25
n-Eicosane (C20)	3.3	2.84577	86		1.17 (40-140) 25
n-Heneicosane (C21)	3.3	2.85935	87		1.16 (40-140) 25
n-Docosane (C22)	3.3	2.81388	85		1.18 (40-140) 25
n-Tetracosane (C24)	6.7	5.94989	89		2.27 (40-140) 25
n-Hexacosane (C26)	3.3	2.66283	81		2.5 (40-140) 25
n-Octacosane (C28)	3.3	2.64733	80		2.47 (40-140) 25
n-Tricontane (C30)	3.3	2.27892	69		1.46 (40-140) 25
n-Dotriacontane (C32)	3.3	2.19532	67		1.5 (40-140) 25
n-Tetratriacontane (C34)	3.3	2.61656	79		0 (40-140) 25
n-Hexatriacontane (C36)	3.3	3.21221	97		1.04 (40-140) 25
n-Octatriacontane (C38)	3.3	3.62158	110		1.83 (40-140) 25
n-Tetracontane (C40)	3.3	3.83382	116		0.86 (40-140) 25

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB170789BL

Lab Name: Alliance

Contract: REMI01

Lab Code: ACE

SDG NO.: Q3742

Instrument ID: FID_E

Lab Sample ID: PB170789BL

Matrix: (soil/water) Solid

Date Extracted: 12/2/2025 10:40:00

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB170789BS	PB170789BS
PB170789BSD	PB170789BSD
SB-1125-23	Q3742-01
SB-1125-19	Q3742-02
SB-1125-21	Q3742-05
SB-1125-13	Q3742-06
SB-1125-18	Q3742-07
SB-1125-20	Q3742-08
SB-1125-22	Q3742-09
SB-1125-2	Q3742-10
SB-1125-1	Q3742-16
SB-1125-25	Q3742-17
SB-1125-24	Q3742-18
SB-1125-24MS	Q3742-18MS
SB-1125-24MSD	Q3742-18MSD

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-23	SDG No.:	Q3742
Lab Sample ID:	Q3742-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.1
Sample Wt/Vol:	30.09 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/02/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	8.95		1	1.68	2.84	mg/kg	FE057126.D	12/02/25 16:56	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	1.29	U	1	1.29	5.69	mg/kg	FE057126.D	12/02/25 16:56	PB170789
Total AliphaticEPH	Total AliphaticEPH	8.95			2.97	8.53	mg/kg			
Total EPH	Total EPH	8.95			2.97	8.53	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-23	SDG No.:	Q3742
Lab Sample ID:	Q3742-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.1
Sample Wt/Vol:	30.09 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
	Prep Date	12/02/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	1.29	U	1	1.29	5.69	mg/kg	12/02/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	8.95		1	1.68	2.84	mg/kg	12/02/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	24.6			40 - 140	49%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.2			40 - 140	56%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3742-01	Acq On:	02 Dec 2025 16:56
Client Sample ID:	SB-1125-23	Operator:	YP\AJ
Data file:	FE057126.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	3.199	6.825	435214	2.169	300	ug/ml
Aliphatic C12-C16	6.826	10.272	679776	3.346	200	ug/ml
Aliphatic C16-C21	10.273	13.646	1094174	5.517	300	ug/ml
Aliphatic C21-C28	13.647	17.317	1133847	5.705	400	ug/ml
Aliphatic C28-C40	17.318	22.251	18865198	94.373	600	ug/ml
Aliphatic EPH	3.199	22.251	22208209	111.11		ug/ml
ortho-Terphenyl (SURR)	11.942	11.942	6196728	28.24		ug/ml
1-chlorooctadecane (SURR)	13.381	13.381	4103000	24.65		ug/ml
Aliphatic C9-C28	3.199	17.317	3343011	16.737	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057126.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 16:56
 Operator : YP\AJ
 Sample : Q3742-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 SB-1125-23

Integration File: autoint1.e
 Quant Time: Dec 03 00:49:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.942	6196728	28.239 ug/ml
Spiked Amount 50.000		Recovery =	56.48%
12) S 1-chlorooctadecane (S...	13.381	4103000	24.653 ug/ml
Spiked Amount 50.000		Recovery =	49.31%

Target Compounds

(f)=RT Delta > 1/2 Window

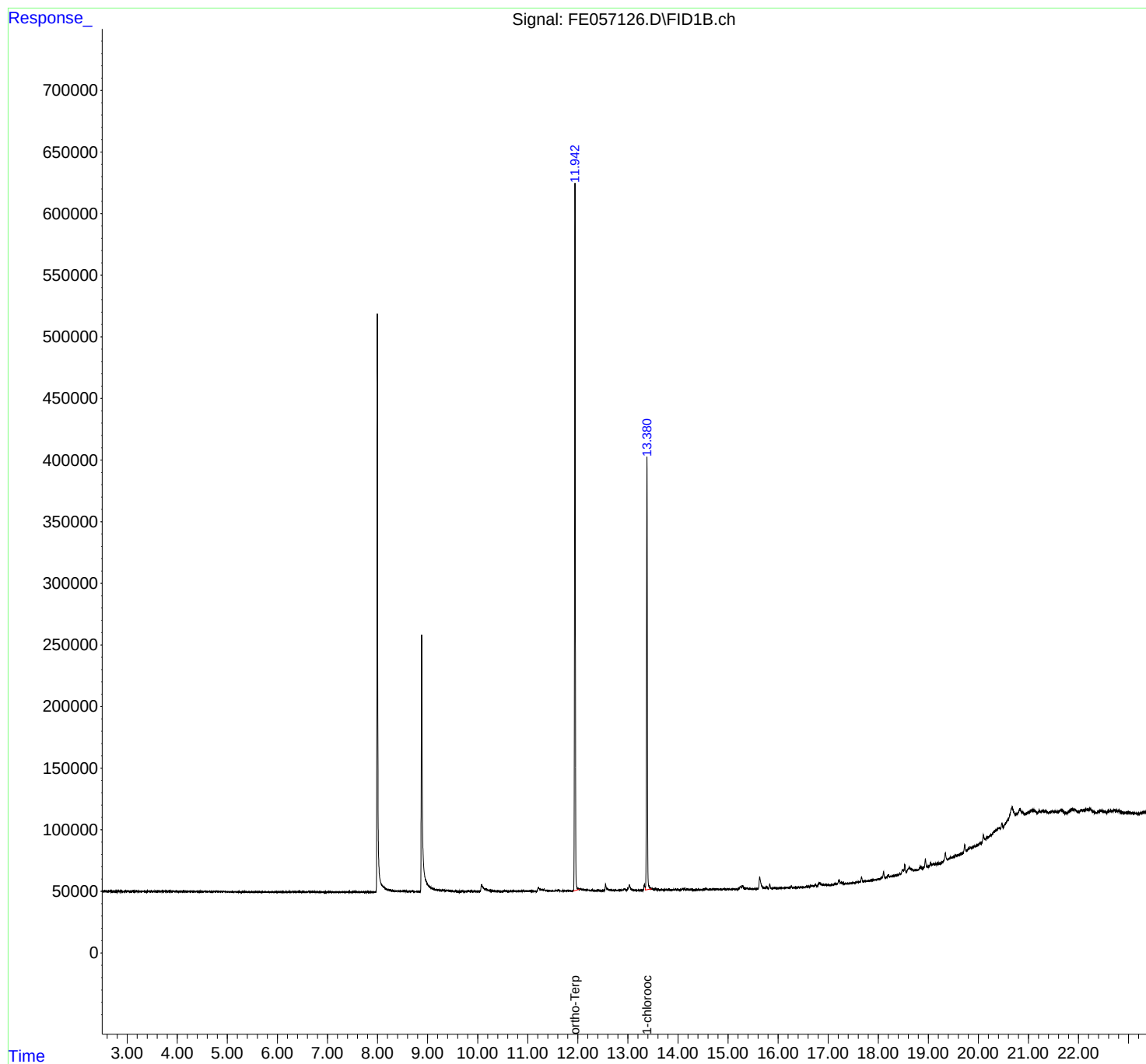
(m)=manual int.

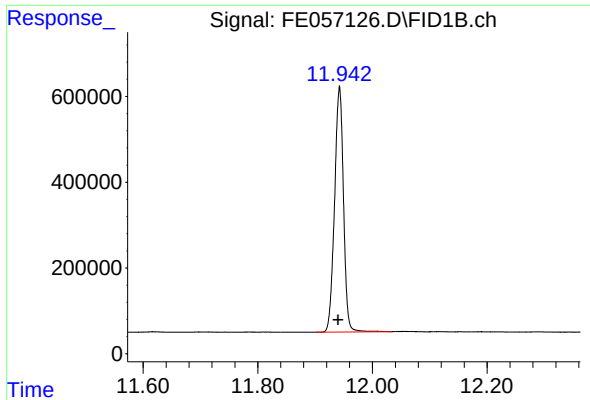
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057126.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 16:56
Operator : YP\AJ
Sample : Q3742-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
SB-1125-23

Integration File: autoint1.e
Quant Time: Dec 03 00:49:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

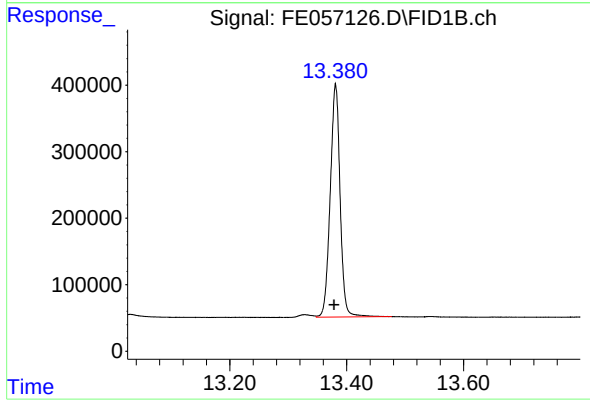




#9 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: 0.002 min
Response: 6196728
Conc: 28.24 ug/ml

Instrument :
FID_E
ClientSampleId :
SB-1125-23



#12 1-chlorooctadecane (SURR)

R.T.: 13.381 min
Delta R.T.: 0.003 min
Response: 4103000
Conc: 24.65 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057126.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 16:56
 Sample : Q3742-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	2.557	2.524	2.581	BV	89	630	0.01%	0.002%
2	2.595	2.581	2.608	PV	99	1068	0.02%	0.003%
3	2.612	2.608	2.618	VV	107	433	0.01%	0.001%
4	2.629	2.618	2.660	VV	104	1899	0.03%	0.006%
5	2.668	2.660	2.688	VV	124	951	0.02%	0.003%
6	2.693	2.688	2.721	PV	82	1257	0.02%	0.004%
7	2.743	2.721	2.763	VV	126	2394	0.04%	0.007%
8	2.780	2.763	2.798	VV	130	2203	0.04%	0.007%
9	2.845	2.798	2.859	VV	190	4783	0.08%	0.015%
10	2.865	2.859	2.912	VV	148	3393	0.05%	0.010%
11	2.922	2.912	2.927	VV	107	847	0.01%	0.003%
12	2.980	2.927	3.024	VV	191	6198	0.10%	0.019%
13	3.039	3.024	3.050	VV	164	1757	0.03%	0.005%
14	3.083	3.050	3.101	VV	228	4298	0.07%	0.013%
15	3.121	3.101	3.154	VV	210	5602	0.09%	0.017%
16	3.159	3.154	3.190	VV	229	3667	0.06%	0.011%
17	3.205	3.190	3.278	VV	253	9286	0.15%	0.028%
18	3.296	3.278	3.311	VV	319	4779	0.08%	0.015%
19	3.328	3.311	3.341	VV	227	3717	0.06%	0.011%
20	3.355	3.341	3.362	VV	214	2488	0.04%	0.008%
21	3.388	3.362	3.432	VV	253	9122	0.15%	0.028%
22	3.458	3.432	3.476	VV	288	6564	0.10%	0.020%
23	3.482	3.476	3.488	VV	270	1796	0.03%	0.005%
24	3.498	3.488	3.511	VV	299	3452	0.06%	0.011%
25	3.551	3.511	3.608	VV	282	14654	0.23%	0.045%
26	3.613	3.608	3.634	VV	252	3922	0.06%	0.012%
27	3.651	3.634	3.661	VV	336	4515	0.07%	0.014%
28	3.679	3.661	3.704	VV	291	7088	0.11%	0.022%
29	3.712	3.704	3.742	VV	288	5594	0.09%	0.017%
30	3.752	3.742	3.758	VV	310	2346	0.04%	0.007%
31	3.793	3.758	3.816	VV	433	10952	0.18%	0.033%
32	3.847	3.816	3.871	VV	372	9642	0.15%	0.029%
33	3.889	3.871	3.904	VV	276	5298	0.08%	0.016%
34	3.932	3.904	3.969	VV	381	11585	0.19%	0.035%
35	3.976	3.969	3.993	VV	335	4044	0.06%	0.012%
36	4.020	3.993	4.059	VV	392	10448	0.17%	0.032%

					rteres			
37	4.088	4.059	4.106	VV	456	8847	0.14%	0.027%
38	4.116	4.106	4.134	VV	287	4330	0.07%	0.013%
39	4.143	4.134	4.233	VV	235	13893	0.22%	0.042%
40	4.312	4.233	4.328	VV	289	14419	0.23%	0.044%
41	4.366	4.328	4.534	VV	338	31229	0.50%	0.096%
42	4.551	4.534	4.708	VV	344	25443	0.41%	0.078%
43	4.736	4.708	4.764	VV	315	8777	0.14%	0.027%
44	4.776	4.764	4.818	VV	314	7984	0.13%	0.024%
45	4.832	4.818	4.847	VV	283	4480	0.07%	0.014%
46	4.869	4.847	4.951	VV	329	17011	0.27%	0.052%
47	4.960	4.951	5.198	VV	346	32216	0.52%	0.099%
48	5.215	5.198	5.294	VV	250	7396	0.12%	0.023%
49	5.332	5.294	5.351	PV	204	4147	0.07%	0.013%
50	5.375	5.351	5.424	VV	171	6173	0.10%	0.019%
51	5.452	5.424	5.508	VV	161	6121	0.10%	0.019%
52	5.535	5.508	5.601	VV	215	7308	0.12%	0.022%
53	5.617	5.601	5.668	VV	173	5048	0.08%	0.015%
54	5.687	5.668	5.781	VV	204	6718	0.11%	0.021%
55	5.817	5.781	5.934	VV	153	8762	0.14%	0.027%
56	6.015	5.934	6.068	VV	188	7916	0.13%	0.024%
57	6.080	6.068	6.204	VV	110	7231	0.12%	0.022%
58	6.226	6.204	6.245	VV	155	2576	0.04%	0.008%
59	6.334	6.245	6.401	VV	319	19182	0.31%	0.059%
60	6.432	6.401	6.494	VV	646	13710	0.22%	0.042%
61	6.527	6.494	6.584	VV	151	5403	0.09%	0.017%
62	6.620	6.584	6.676	VV	365	11097	0.18%	0.034%
63	6.725	6.676	6.768	VV	210	8987	0.14%	0.027%
64	6.795	6.768	6.891	VV	208	7518	0.12%	0.023%
65	6.970	6.891	6.994	VV	137	3906	0.06%	0.012%
66	7.023	6.994	7.131	VV	265	9723	0.16%	0.030%
67	7.152	7.131	7.231	PV	109	3845	0.06%	0.012%
68	7.255	7.231	7.270	VV	95	1798	0.03%	0.005%
69	7.326	7.270	7.356	VV	156	5056	0.08%	0.015%
70	7.370	7.356	7.391	VV	131	1941	0.03%	0.006%
71	7.431	7.391	7.481	VV	244	8401	0.13%	0.026%
72	7.524	7.481	7.559	VV	283	10044	0.16%	0.031%
73	7.572	7.559	7.654	VV	241	10996	0.18%	0.034%
74	7.674	7.654	7.772	VV	233	8423	0.13%	0.026%
75	7.789	7.772	7.904	VV	158	3355	0.05%	0.010%
76	7.916	7.904	7.933	VV	26	476	0.01%	0.001%
77	8.553	8.458	8.637	VV	872	72175	1.15%	0.221%
78	8.695	8.637	8.846	VV	623	39669	0.63%	0.121%
79	9.302	9.268	9.368	VV	1420	69138	1.11%	0.211%
80	9.389	9.368	9.528	VV	1169	64502	1.03%	0.197%
81	9.556	9.528	9.658	VV	495	26096	0.42%	0.080%
82	9.687	9.658	9.729	VV	335	10598	0.17%	0.032%
83	9.800	9.729	9.838	VV	722	24845	0.40%	0.076%
84	9.853	9.838	9.884	VV	436	9633	0.15%	0.029%
85	9.929	9.884	9.972	VV	346	14398	0.23%	0.044%
86	10.006	9.972	10.034	VV	555	9366	0.15%	0.029%
87	10.080	10.034	10.278	VV	5301	271392	4.34%	0.830%
88	10.290	10.278	10.488	VV	660	36461	0.58%	0.112%
89	10.534	10.488	10.614	VV	626	23751	0.38%	0.073%

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90	10.651	10.614	10.768	VV	350	19154	0.31%	0.059%
91	10.803	10.768	10.824	VV	273	7186	0.11%	0.022%
92	10.839	10.824	10.871	VV	380	6974	0.11%	0.021%
93	10.913	10.871	10.945	VV	741	16268	0.26%	0.050%
94	10.983	10.945	11.004	VV	431	11056	0.18%	0.034%
95	11.033	11.004	11.089	VV	454	14263	0.23%	0.044%
96	11.130	11.089	11.178	VV	222	7086	0.11%	0.022%
97	11.212	11.178	11.276	PV	3113	96800	1.55%	0.296%
98	11.315	11.276	11.521	VV	1341	89182	1.43%	0.273%
99	11.550	11.521	11.580	VV	900	15637	0.25%	0.048%
100	11.618	11.580	11.673	VV	1139	24767	0.40%	0.076%
101	11.702	11.673	11.768	VV	583	18680	0.30%	0.057%
102	11.785	11.768	11.891	VV	424	16884	0.27%	0.052%
103	11.942	11.891	12.032	VV	565480	6251149	100.00%	19.117%
104	12.054	12.032	12.095	VV	1747	55210	0.88%	0.169%
105	12.114	12.095	12.174	VV	1335	48004	0.77%	0.147%
106	12.189	12.174	12.257	VV	958	32002	0.51%	0.098%
107	12.289	12.257	12.374	VV	856	23950	0.38%	0.073%
108	12.393	12.374	12.450	VV	589	12363	0.20%	0.038%
109	12.556	12.450	12.631	PV	5138	123817	1.98%	0.379%
110	12.650	12.631	12.724	VV	918	35128	0.56%	0.107%
111	12.746	12.724	12.781	VV	652	16070	0.26%	0.049%
112	12.811	12.781	12.844	VV	393	14247	0.23%	0.044%
113	12.865	12.844	12.884	VV	564	10366	0.17%	0.032%
114	12.931	12.884	12.971	VV	1493	44712	0.72%	0.137%
115	13.030	12.971	13.165	VV	4844	148393	2.37%	0.454%
116	13.217	13.165	13.281	VV	344	15283	0.24%	0.047%
117	13.329	13.281	13.348	VV	4201	69714	1.12%	0.213%
118	13.381	13.348	13.528	VV	351859	4199446	67.18%	12.842%
119	13.544	13.528	13.628	VV	1348	40766	0.65%	0.125%
120	13.656	13.628	13.769	VV	451	27566	0.44%	0.084%
121	13.806	13.769	13.865	VV	450	19381	0.31%	0.059%
122	13.949	13.865	13.973	VV	624	26139	0.42%	0.080%
123	13.980	13.973	14.029	VV	522	11198	0.18%	0.034%
124	14.085	14.029	14.116	VV	966	26886	0.43%	0.082%
125	14.132	14.116	14.156	VV	1137	16512	0.26%	0.050%
126	14.196	14.156	14.229	VV	692	20580	0.33%	0.063%
127	14.256	14.229	14.327	VV	544	13866	0.22%	0.042%
128	14.362	14.327	14.389	PV	148	3384	0.05%	0.010%
129	14.400	14.389	14.480	VV	150	3291	0.05%	0.010%
130	14.571	14.480	14.603	PV	852	25217	0.40%	0.077%
131	14.649	14.603	14.672	VV	430	11381	0.18%	0.035%
132	14.697	14.672	14.721	VV	681	10500	0.17%	0.032%
133	14.763	14.721	14.846	VV	572	21600	0.35%	0.066%
134	14.865	14.846	14.883	VV	230	4207	0.07%	0.013%
135	14.917	14.883	15.010	VV	539	20422	0.33%	0.062%
136	15.027	15.010	15.049	VV	186	3136	0.05%	0.010%
137	15.096	15.049	15.156	VV	241	9709	0.16%	0.030%
138	15.243	15.156	15.260	PV	2256	45389	0.73%	0.139%
139	15.287	15.260	15.412	VV	2762	105887	1.69%	0.324%
140	15.435	15.412	15.509	VV	629	14011	0.22%	0.043%
141	15.547	15.509	15.562	VV	100	1885	0.03%	0.006%

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142	15.633	15.562	15.740	PV	9242	250120	4.00%	0.765%
143	15.779	15.740	15.803	VV	909	25836	0.41%	0.079%
144	15.833	15.803	15.872	VV	3637	49656	0.79%	0.152%
145	15.912	15.872	16.003	VV	286	10659	0.17%	0.033%
146	16.085	16.003	16.121	PV	267	8482	0.14%	0.026%
147	16.263	16.121	16.301	VV	1195	27353	0.44%	0.084%
148	16.336	16.301	16.362	VV	227	3456	0.06%	0.011%
149	16.395	16.362	16.415	VV	153	2610	0.04%	0.008%
150	16.464	16.415	16.516	PV	127	4101	0.07%	0.013%
151	16.577	16.516	16.596	PV	511	9158	0.15%	0.028%
152	16.612	16.596	16.629	VV	172	2853	0.05%	0.009%
153	16.661	16.629	16.692	VV	742	18003	0.29%	0.055%
154	16.748	16.692	16.778	VV	1432	30660	0.49%	0.094%
155	16.827	16.778	16.920	VV	2259	99945	1.60%	0.306%
156	16.939	16.920	17.023	VV	598	20836	0.33%	0.064%
157	17.132	17.023	17.165	PV	851	21899	0.35%	0.067%
158	17.215	17.165	17.245	VV	3646	73609	1.18%	0.225%
159	17.262	17.245	17.285	VV	1368	20961	0.34%	0.064%
160	17.301	17.285	17.369	VV	538	11503	0.18%	0.035%
161	17.458	17.369	17.474	PV	150	2303	0.04%	0.007%
162	17.558	17.474	17.575	PV	460	3342	0.05%	0.010%
163	17.667	17.575	17.716	VV	4013	73075	1.17%	0.223%
164	17.758	17.716	17.777	VV	304	6511	0.10%	0.020%
165	18.106	17.777	18.143	PV	4852	65275	1.04%	0.200%
166	18.200	18.143	18.233	PV	1960	30148	0.48%	0.092%
167	18.339	18.233	18.357	VV	391	6981	0.11%	0.021%
168	18.432	18.357	18.448	PV	879	11696	0.19%	0.036%
169	18.530	18.448	18.563	VV	6796	187658	3.00%	0.574%
170	18.624	18.563	18.718	VV	3758	180985	2.90%	0.553%
171	18.744	18.718	18.766	VV	359	9272	0.15%	0.028%
172	18.839	18.766	18.884	PV	1776	34211	0.55%	0.105%
173	18.942	18.884	18.976	VV	6764	100145	1.60%	0.306%
174	19.046	18.976	19.075	VV	1965	40902	0.65%	0.125%
175	19.340	19.075	19.381	VV	6514	120322	1.92%	0.368%
176	19.727	19.381	19.756	VV	8349	430900	6.89%	1.318%
177	20.102	19.756	20.129	VV	11292	1123104	17.97%	3.435%
178	20.470	20.129	20.496	VV	16242	2368109	37.88%	7.242%
179	20.674	20.496	20.738	VV	26464	2790123	44.63%	8.532%
180	20.829	20.738	20.933	VV	23048	2337595	37.39%	7.149%
181	21.104	20.933	21.177	VV	18410	2583092	41.32%	7.899%
182	21.218	21.177	21.245	VV	16630	644229	10.31%	1.970%
183	21.291	21.245	21.318	VV	15439	660306	10.56%	2.019%
184	21.333	21.318	21.400	VV	14814	678384	10.85%	2.075%
185	21.479	21.400	21.510	VV	12782	823812	13.18%	2.519%
186	21.543	21.510	21.574	VV	11770	440924	7.05%	1.348%
187	21.653	21.574	21.750	VV	11635	1068813	17.10%	3.269%
188	21.884	21.750	22.000	VV	9024	1174563	18.79%	3.592%
189	22.053	22.000	22.116	VV	6109	384329	6.15%	1.175%
190	22.154	22.116	22.176	VV	5293	183677	2.94%	0.562%
191	22.227	22.176	22.354	VV	4815	300412	4.81%	0.919%
Sum of corrected areas:						32700183		

Aliphatic EPH 112725.M Wed Dec 03 03:27:23 2025 rteres

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-19	SDG No.:	Q3742
Lab Sample ID:	Q3742-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	40.9
Sample Wt/Vol:	30.04 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/02/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	19.5		1	2.88	4.88	mg/kg	FE057127.D	12/02/25 17:26	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	4.97	J	1	2.22	9.77	mg/kg	FE057127.D	12/02/25 17:26	PB170789
Total AliphaticEPH	Total AliphaticEPH	24.5			5.10	14.7	mg/kg			
Total EPH	Total EPH	24.5			5.10	14.7	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-19	SDG No.:	Q3742
Lab Sample ID:	Q3742-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	40.9
Sample Wt/Vol:	30.04 g	Final Vol:	2000 uL
Prep Method :		Prep Date	12/02/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	4.97	J	1	2.22	9.77	mg/kg	12/02/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	19.5		1	2.88	4.88	mg/kg	12/02/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURRE)	21.9			40 - 140	44%	SPK: 50		
84-15-1	ortho-Terphenyl (SURRE)	25.2			40 - 140	50%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3742-02	Acq On:	02 Dec 2025 17:26
Client Sample ID:	SB-1125-19	Operator:	YP\AJ
Data file:	FE057127.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	3.199	6.825	592724	2.954	300	ug/ml
Aliphatic C12-C16	6.826	10.272	1111103	5.469	200	ug/ml
Aliphatic C16-C21	10.273	13.646	1677806	8.46	300	ug/ml
Aliphatic C21-C28	13.647	17.317	2711784	13.644	400	ug/ml
Aliphatic C28-C40	17.318	22.251	23998674	120.053	600	ug/ml
Aliphatic EPH	3.199	22.251	30092091	150.581		ug/ml
ortho-Terphenyl (SURR)	11.942	11.942	5525888	25.18		ug/ml
1-chlorooctadecane (SURR)	13.380	13.380	3647308	21.92		ug/ml
Aliphatic C9-C28	3.199	17.317	6093417	30.527	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057127.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 17:26
 Operator : YP\AJ
 Sample : Q3742-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 SB-1125-19

Integration File: autoint1.e
 Quant Time: Dec 03 00:49:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.942	5525888	25.182 ug/ml
Spiked Amount 50.000		Recovery =	50.36%
12) S 1-chlorooctadecane (S...	13.380	3647308	21.915 ug/ml
Spiked Amount 50.000		Recovery =	43.83%

Target Compounds

(f)=RT Delta > 1/2 Window

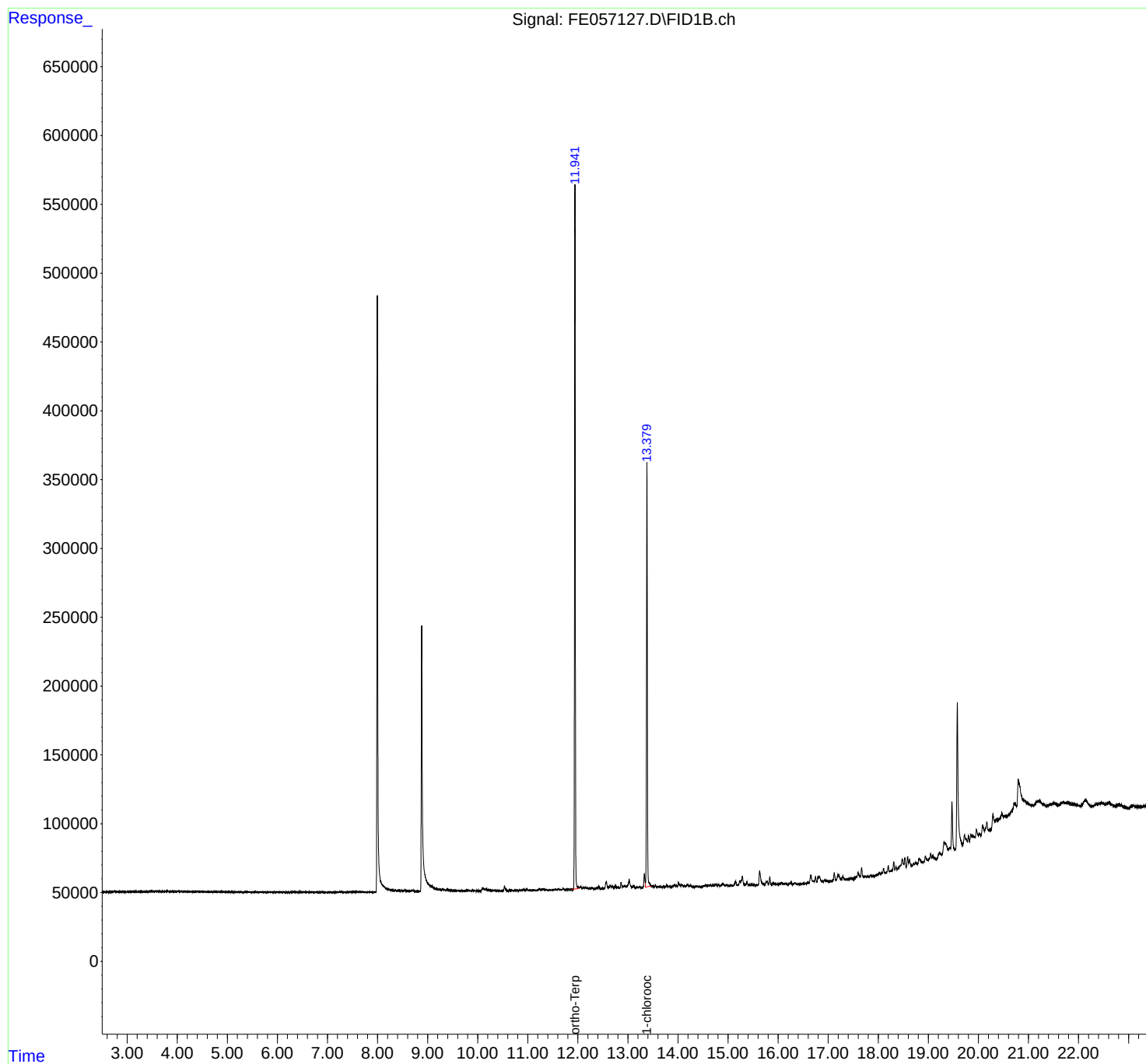
(m)=manual int.

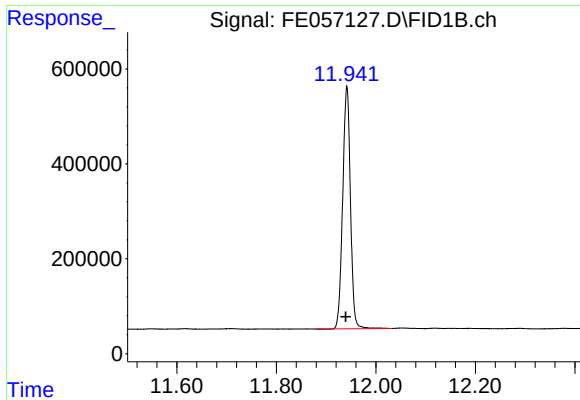
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057127.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 17:26
Operator : YP\AJ
Sample : Q3742-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
SB-1125-19

Integration File: autoint1.e
Quant Time: Dec 03 00:49:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

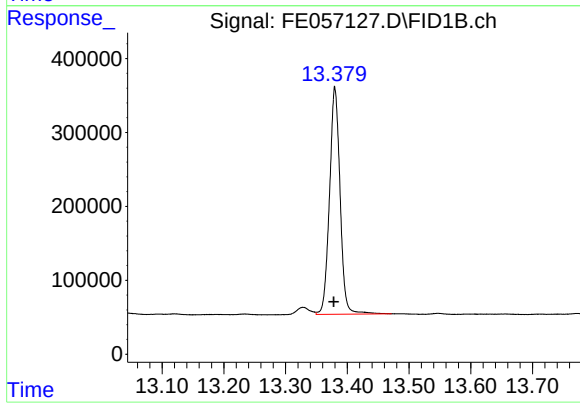




#9 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: 0.002 min
Response: 5525888
Conc: 25.18 ug/ml

Instrument :
FID_E
ClientSampleId :
SB-1125-19



#12 1-chlorooctadecane (SURR)

R.T.: 13.380 min
Delta R.T.: 0.002 min
Response: 3647308
Conc: 21.92 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057127.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 17:26
 Sample : Q3742-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	2.572	2.524	2.585	BV	64	637	0.01%	0.002%
2	2.634	2.585	2.658	PV	169	3604	0.06%	0.009%
3	2.661	2.658	2.667	VV	125	470	0.01%	0.001%
4	2.678	2.667	2.713	VV	150	3196	0.06%	0.008%
5	2.728	2.713	2.741	VV	241	2892	0.05%	0.007%
6	2.751	2.741	2.791	VV	197	5116	0.09%	0.013%
7	2.834	2.791	2.848	VV	254	6411	0.12%	0.016%
8	2.852	2.848	2.861	VV	230	1501	0.03%	0.004%
9	2.876	2.861	2.889	VV	221	3172	0.06%	0.008%
10	2.903	2.889	2.961	VV	216	8251	0.15%	0.021%
11	2.964	2.961	2.991	VV	250	3541	0.06%	0.009%
12	3.004	2.991	3.028	VV	306	5447	0.10%	0.014%
13	3.036	3.028	3.048	VV	306	2851	0.05%	0.007%
14	3.079	3.048	3.127	VV	319	13010	0.23%	0.033%
15	3.160	3.127	3.197	VV	310	11669	0.21%	0.030%
16	3.251	3.197	3.263	VV	393	12386	0.22%	0.031%
17	3.294	3.263	3.341	VV	426	16521	0.30%	0.042%
18	3.354	3.341	3.364	VV	339	4352	0.08%	0.011%
19	3.388	3.364	3.415	VV	393	10323	0.19%	0.026%
20	3.431	3.415	3.459	VV	463	10639	0.19%	0.027%
21	3.499	3.459	3.548	VV	630	23933	0.43%	0.061%
22	3.555	3.548	3.568	VV	412	4869	0.09%	0.012%
23	3.596	3.568	3.617	VV	444	12079	0.22%	0.031%
24	3.648	3.617	3.671	VV	582	15102	0.27%	0.038%
25	3.680	3.671	3.698	VV	506	6942	0.13%	0.018%
26	3.704	3.698	3.713	VV	400	3626	0.07%	0.009%
27	3.739	3.713	3.770	VV	548	15306	0.28%	0.039%
28	3.799	3.770	3.854	VV	921	28307	0.51%	0.072%
29	3.889	3.854	3.913	VV	505	15671	0.28%	0.040%
30	3.927	3.913	3.978	VV	552	17369	0.31%	0.044%
31	3.986	3.978	4.060	VV	511	21990	0.40%	0.056%
32	4.087	4.060	4.228	VV	537	42454	0.77%	0.107%
33	4.239	4.228	4.258	VV	378	6658	0.12%	0.017%
34	4.285	4.258	4.307	VV	451	12288	0.22%	0.031%
35	4.321	4.307	4.352	VV	476	10809	0.19%	0.027%
36	4.360	4.352	4.391	VV	478	9309	0.17%	0.024%

					rteres			
37	4.405	4.391	4.422	VV	433	7028	0.13%	0.018%
38	4.446	4.422	4.471	VV	429	11523	0.21%	0.029%
39	4.484	4.471	4.538	VV	406	14284	0.26%	0.036%
40	4.550	4.538	4.576	VV	494	9004	0.16%	0.023%
41	4.583	4.576	4.604	VV	342	5787	0.10%	0.015%
42	4.613	4.604	4.651	VV	415	9696	0.17%	0.025%
43	4.669	4.651	4.682	VV	380	6123	0.11%	0.015%
44	4.735	4.682	4.758	VV	415	14366	0.26%	0.036%
45	4.770	4.758	4.790	VV	422	7240	0.13%	0.018%
46	4.800	4.790	4.815	VV	401	5175	0.09%	0.013%
47	4.831	4.815	4.844	VV	387	5976	0.11%	0.015%
48	4.858	4.844	4.941	VV	376	17419	0.31%	0.044%
49	4.953	4.941	4.966	VV	324	4360	0.08%	0.011%
50	4.989	4.966	5.040	VV	341	12985	0.23%	0.033%
51	5.067	5.040	5.160	VV	328	16692	0.30%	0.042%
52	5.171	5.160	5.208	VV	264	5553	0.10%	0.014%
53	5.240	5.208	5.251	VV	255	4913	0.09%	0.012%
54	5.259	5.251	5.291	VV	215	3577	0.06%	0.009%
55	5.309	5.291	5.318	VV	182	2599	0.05%	0.007%
56	5.330	5.318	5.340	VV	178	2294	0.04%	0.006%
57	5.355	5.340	5.414	VV	211	5834	0.11%	0.015%
58	5.423	5.414	5.444	VV	130	1620	0.03%	0.004%
59	5.469	5.444	5.491	VV	177	2990	0.05%	0.008%
60	5.500	5.491	5.515	VV	176	1774	0.03%	0.004%
61	5.531	5.515	5.635	VV	188	8194	0.15%	0.021%
62	5.648	5.635	5.673	VV	107	1589	0.03%	0.004%
63	5.702	5.673	5.724	VV	241	4538	0.08%	0.011%
64	5.740	5.724	5.751	VV	220	2160	0.04%	0.005%
65	5.763	5.751	5.801	VV	165	2180	0.04%	0.006%
66	5.814	5.801	5.825	VV	146	1330	0.02%	0.003%
67	5.875	5.825	5.930	VV	231	7377	0.13%	0.019%
68	5.949	5.930	5.971	VV	132	2191	0.04%	0.006%
69	6.003	5.971	6.035	VV	247	6070	0.11%	0.015%
70	6.060	6.035	6.154	VV	179	7003	0.13%	0.018%
71	6.166	6.154	6.192	VV	189	2845	0.05%	0.007%
72	6.221	6.192	6.248	VV	169	2536	0.05%	0.006%
73	6.271	6.248	6.288	PV	142	2271	0.04%	0.006%
74	6.315	6.288	6.353	VV	412	11030	0.20%	0.028%
75	6.363	6.353	6.376	VV	311	3270	0.06%	0.008%
76	6.384	6.376	6.400	VV	245	2994	0.05%	0.008%
77	6.433	6.400	6.506	VV	465	14442	0.26%	0.037%
78	6.520	6.506	6.541	VV	185	3344	0.06%	0.008%
79	6.554	6.541	6.577	VV	270	3813	0.07%	0.010%
80	6.591	6.577	6.606	VV	210	2761	0.05%	0.007%
81	6.622	6.606	6.688	VV	281	10068	0.18%	0.025%
82	6.694	6.688	6.715	VV	233	2168	0.04%	0.005%
83	6.728	6.715	6.774	VV	172	4497	0.08%	0.011%
84	6.781	6.774	6.794	VV	176	1472	0.03%	0.004%
85	6.810	6.794	6.841	VV	186	2836	0.05%	0.007%
86	6.855	6.841	6.863	VV	103	1048	0.02%	0.003%
87	6.878	6.863	6.894	VV	268	3130	0.06%	0.008%
88	6.909	6.894	6.948	VV	188	3137	0.06%	0.008%
89	6.987	6.948	7.014	PV	125	2473	0.04%	0.006%

					rteres			
90	7.054	7.014	7.080	VV	278	5252	0.09%	0.013%
91	7.092	7.080	7.101	VV	88	759	0.01%	0.002%
92	7.120	7.101	7.164	VV	191	3971	0.07%	0.010%
93	7.191	7.164	7.218	VV	229	5002	0.09%	0.013%
94	7.241	7.218	7.334	VV	379	15953	0.29%	0.040%
95	7.354	7.334	7.368	VV	211	3328	0.06%	0.008%
96	7.388	7.368	7.402	VV	223	3536	0.06%	0.009%
97	7.415	7.402	7.423	VV	214	2486	0.04%	0.006%
98	7.447	7.423	7.484	VV	399	10320	0.19%	0.026%
99	7.511	7.484	7.533	VV	370	8620	0.16%	0.022%
100	7.544	7.533	7.559	VV	421	5217	0.09%	0.013%
101	7.575	7.559	7.610	VV	360	6882	0.12%	0.017%
102	7.635	7.610	7.644	VV	298	4982	0.09%	0.013%
103	7.676	7.644	7.782	VV	333	15349	0.28%	0.039%
104	7.805	7.782	7.823	VV	138	2291	0.04%	0.006%
105	7.850	7.823	7.875	VV	242	4340	0.08%	0.011%
106	7.897	7.875	7.909	VV	125	1128	0.02%	0.003%
107	8.284	8.272	8.357	VV	1650	67750	1.22%	0.171%
108	8.369	8.357	8.387	VV	1139	20097	0.36%	0.051%
109	8.429	8.387	8.454	VV	1112	40144	0.72%	0.102%
110	8.469	8.454	8.484	VV	919	16044	0.29%	0.041%
111	8.503	8.484	8.516	VV	1034	17333	0.31%	0.044%
112	8.555	8.516	8.588	VV	1170	40216	0.72%	0.102%
113	8.601	8.588	8.624	VV	808	14975	0.27%	0.038%
114	8.696	8.624	8.755	VV	1090	56030	1.01%	0.142%
115	8.775	8.755	8.791	VV	480	9066	0.16%	0.023%
116	8.809	8.791	8.844	VV	531	12801	0.23%	0.032%
117	9.084	9.073	9.202	VV	3765	198749	3.58%	0.503%
118	9.224	9.202	9.278	VV	1781	71155	1.28%	0.180%
119	9.301	9.278	9.368	VV	1726	71430	1.29%	0.181%
120	9.390	9.368	9.427	VV	1431	41584	0.75%	0.105%
121	9.438	9.427	9.461	VV	965	17314	0.31%	0.044%
122	9.477	9.461	9.502	VV	841	17909	0.32%	0.045%
123	9.514	9.502	9.529	VV	520	8075	0.15%	0.020%
124	9.549	9.529	9.584	VV	774	19340	0.35%	0.049%
125	9.595	9.584	9.608	VV	543	7267	0.13%	0.018%
126	9.621	9.608	9.670	VV	482	16681	0.30%	0.042%
127	9.687	9.670	9.718	VV	575	13255	0.24%	0.034%
128	9.781	9.718	9.829	VV	747	33920	0.61%	0.086%
129	9.847	9.829	9.876	VV	498	12078	0.22%	0.031%
130	9.896	9.876	9.938	VV	899	21081	0.38%	0.053%
131	9.944	9.938	9.971	VV	483	7063	0.13%	0.018%
132	10.007	9.971	10.034	VV	356	8974	0.16%	0.023%
133	10.043	10.034	10.059	VV	165	1823	0.03%	0.005%
134	10.094	10.059	10.153	VV	2031	78516	1.42%	0.199%
135	10.171	10.153	10.261	VV	1607	55951	1.01%	0.142%
136	10.271	10.261	10.282	VV	472	5278	0.10%	0.013%
137	10.290	10.282	10.323	VV	391	7671	0.14%	0.019%
138	10.352	10.323	10.371	VV	364	7992	0.14%	0.020%
139	10.376	10.371	10.386	VV	244	2194	0.04%	0.006%
140	10.399	10.386	10.431	VV	327	5221	0.09%	0.013%
141	10.446	10.431	10.467	VV	249	3124	0.06%	0.008%

					rteres			
142	10.535	10.467	10.591	PV	3681	67429	1.22%	0.171%
143	10.600	10.591	10.610	VV	267	2423	0.04%	0.006%
144	10.625	10.610	10.636	VV	391	4511	0.08%	0.011%
145	10.648	10.636	10.656	VV	405	4080	0.07%	0.010%
146	10.669	10.656	10.688	VV	443	5875	0.11%	0.015%
147	10.705	10.688	10.724	VV	275	4826	0.09%	0.012%
148	10.738	10.724	10.756	VV	414	5412	0.10%	0.014%
149	10.783	10.756	10.817	VV	477	11302	0.20%	0.029%
150	10.838	10.817	10.863	VV	489	8425	0.15%	0.021%
151	10.913	10.863	10.944	VV	967	21610	0.39%	0.055%
152	10.982	10.944	11.011	VV	1207	23247	0.42%	0.059%
153	11.042	11.011	11.078	VV	363	10647	0.19%	0.027%
154	11.098	11.078	11.121	VV	400	6936	0.13%	0.018%
155	11.138	11.121	11.183	VV	309	5344	0.10%	0.014%
156	11.225	11.183	11.266	VV	993	28048	0.51%	0.071%
157	11.287	11.266	11.299	VV	1063	15333	0.28%	0.039%
158	11.318	11.299	11.353	VV	739	17869	0.32%	0.045%
159	11.364	11.353	11.378	VV	331	4162	0.08%	0.011%
160	11.388	11.378	11.413	VV	335	5022	0.09%	0.013%
161	11.424	11.413	11.436	VV	178	1570	0.03%	0.004%
162	11.444	11.436	11.468	PV	74	958	0.02%	0.002%
163	11.505	11.468	11.521	VV	184	3416	0.06%	0.009%
164	11.551	11.521	11.574	PV	806	12373	0.22%	0.031%
165	11.616	11.574	11.654	VV	976	22187	0.40%	0.056%
166	11.708	11.654	11.744	VV	1112	27150	0.49%	0.069%
167	11.781	11.744	11.801	VV	361	7310	0.13%	0.018%
168	11.816	11.801	11.828	VV	274	2968	0.05%	0.008%
169	11.860	11.828	11.904	VV	351	7317	0.13%	0.019%
170	11.942	11.904	11.998	PV	506793	5548044	100.00%	14.037%
171	12.006	11.998	12.031	VV	2150	35945	0.65%	0.091%
172	12.054	12.031	12.098	VV	2154	60127	1.08%	0.152%
173	12.119	12.098	12.137	VV	1725	32068	0.58%	0.081%
174	12.154	12.137	12.178	VV	1390	29766	0.54%	0.075%
175	12.187	12.178	12.244	VV	1277	36094	0.65%	0.091%
176	12.288	12.244	12.318	VV	1299	34155	0.62%	0.086%
177	12.379	12.318	12.402	VV	1272	33431	0.60%	0.085%
178	12.420	12.402	12.462	VV	2150	31972	0.58%	0.081%
179	12.496	12.462	12.508	VV	604	11465	0.21%	0.029%
180	12.570	12.508	12.601	VV	5317	126472	2.28%	0.320%
181	12.616	12.601	12.628	VV	1329	20122	0.36%	0.051%
182	12.648	12.628	12.668	VV	2917	44800	0.81%	0.113%
183	12.688	12.668	12.714	VV	2218	40371	0.73%	0.102%
184	12.751	12.714	12.797	VV	3015	73113	1.32%	0.185%
185	12.813	12.797	12.837	VV	1281	23928	0.43%	0.061%
186	12.864	12.837	12.886	VV	4672	71775	1.29%	0.182%
187	12.903	12.886	12.917	VV	1980	30924	0.56%	0.078%
188	12.934	12.917	12.954	VV	2294	39910	0.72%	0.101%
189	12.967	12.954	12.979	VV	1800	24248	0.44%	0.061%
190	13.026	12.979	13.075	VV	6676	182437	3.29%	0.462%
191	13.094	13.075	13.105	VV	1316	21025	0.38%	0.053%
192	13.120	13.105	13.151	VV	1681	29822	0.54%	0.075%
193	13.189	13.151	13.211	VV	852	23501	0.42%	0.059%
194	13.234	13.211	13.271	VV	1411	27255	0.49%	0.069%

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195	13.328	13.271	13.349	VV	10375	167623	3.02%	0.424%
196	13.380	13.349	13.528	VV	305496	3779536	68.12%	9.562%
197	13.547	13.528	13.578	VV	2116	38042	0.69%	0.096%
198	13.600	13.578	13.621	VV	982	23463	0.42%	0.059%
199	13.656	13.621	13.694	VV	1084	34051	0.61%	0.086%
200	13.712	13.694	13.725	VV	853	12900	0.23%	0.033%
201	13.774	13.725	13.808	VV	1717	53546	0.97%	0.135%
202	13.820	13.808	13.859	VV	961	22931	0.41%	0.058%
203	13.868	13.859	13.874	VV	579	4649	0.08%	0.012%
204	13.934	13.874	13.960	VV	2318	70788	1.28%	0.179%
205	13.970	13.960	13.987	VV	1282	17322	0.31%	0.044%
206	14.011	13.987	14.054	VV	3521	80553	1.45%	0.204%
207	14.081	14.054	14.111	VV	1965	49267	0.89%	0.125%
208	14.132	14.111	14.150	VV	1572	25431	0.46%	0.064%
209	14.191	14.150	14.223	VV	2190	59322	1.07%	0.150%
210	14.255	14.223	14.296	VV	1288	37389	0.67%	0.095%
211	14.307	14.296	14.334	VV	335	3999	0.07%	0.010%
212	14.358	14.334	14.389	VV	583	13024	0.23%	0.033%
213	14.396	14.389	14.410	VV	374	4202	0.08%	0.011%
214	14.422	14.410	14.448	VV	488	7405	0.13%	0.019%
215	14.461	14.448	14.478	VV	265	3173	0.06%	0.008%
216	14.506	14.478	14.531	PV	769	15816	0.29%	0.040%
217	14.548	14.531	14.560	VV	1242	18236	0.33%	0.046%
218	14.571	14.560	14.587	VV	1135	15701	0.28%	0.040%
219	14.605	14.587	14.621	VV	1088	18887	0.34%	0.048%
220	14.653	14.621	14.675	VV	1466	31856	0.57%	0.081%
221	14.695	14.675	14.716	VV	2058	26591	0.48%	0.067%
222	14.741	14.716	14.784	VV	1942	49762	0.90%	0.126%
223	14.801	14.784	14.841	VV	1541	32475	0.59%	0.082%
224	14.893	14.841	14.943	VV	2300	69392	1.25%	0.176%
225	14.964	14.943	15.018	VV	943	28599	0.52%	0.072%
226	15.031	15.018	15.049	VV	475	7584	0.14%	0.019%
227	15.059	15.049	15.098	VV	465	11397	0.21%	0.029%
228	15.153	15.098	15.179	VV	3345	78927	1.42%	0.200%
229	15.194	15.179	15.206	VV	880	12256	0.22%	0.031%
230	15.235	15.206	15.251	VV	3564	66522	1.20%	0.168%
231	15.286	15.251	15.349	VV	6768	173766	3.13%	0.440%
232	15.375	15.349	15.411	VV	3023	53866	0.97%	0.136%
233	15.433	15.411	15.449	VV	830	12636	0.23%	0.032%
234	15.466	15.449	15.491	VV	948	14502	0.26%	0.037%
235	15.515	15.491	15.548	VV	921	17246	0.31%	0.044%
236	15.575	15.548	15.586	VV	499	8080	0.15%	0.020%
237	15.592	15.586	15.599	VV	402	2769	0.05%	0.007%
238	15.630	15.599	15.701	VV	10352	243643	4.39%	0.616%
239	15.716	15.701	15.736	VV	988	16566	0.30%	0.042%
240	15.782	15.736	15.808	VV	3122	71011	1.28%	0.180%
241	15.833	15.808	15.874	VV	5663	84214	1.52%	0.213%
242	15.902	15.874	15.975	PV	1576	47590	0.86%	0.120%
243	16.070	15.975	16.134	VV	1221	68193	1.23%	0.173%
244	16.155	16.134	16.201	VV	898	19343	0.35%	0.049%
245	16.235	16.201	16.244	VV	795	13213	0.24%	0.033%
246	16.263	16.244	16.295	VV	1559	23737	0.43%	0.060%

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247	16.330	16.295	16.398	VV	1203	28691	0.52%	0.073%
248	16.404	16.398	16.430	VV	264	2838	0.05%	0.007%
249	16.494	16.430	16.533	PV	435	14391	0.26%	0.036%
250	16.602	16.533	16.615	PV	662	20622	0.37%	0.052%
251	16.651	16.615	16.724	VV	6125	169410	3.05%	0.429%
252	16.747	16.724	16.773	VV	4083	64374	1.16%	0.163%
253	16.798	16.773	16.811	VV	4662	67057	1.21%	0.170%
254	16.824	16.811	16.884	VV	4783	106028	1.91%	0.268%
255	16.930	16.884	17.023	VV	1489	55730	1.00%	0.141%
256	17.121	17.023	17.163	PV	6111	113082	2.04%	0.286%
257	17.213	17.163	17.248	VV	4574	142632	2.57%	0.361%
258	17.261	17.248	17.272	VV	1312	17458	0.31%	0.044%
259	17.295	17.272	17.333	VV	2867	55143	0.99%	0.140%
260	17.343	17.333	17.368	VV	572	7843	0.14%	0.020%
261	17.461	17.368	17.502	VV	691	28533	0.51%	0.072%
262	17.598	17.502	17.640	PV	4137	122310	2.20%	0.309%
263	17.668	17.640	17.724	VV	7641	129318	2.33%	0.327%
264	17.751	17.724	17.771	VV	701	16278	0.29%	0.041%
265	17.789	17.771	17.804	VV	488	7615	0.14%	0.019%
266	17.846	17.804	17.864	VV	945	19724	0.36%	0.050%
267	17.880	17.864	17.916	VV	536	10652	0.19%	0.027%
268	18.019	17.916	18.038	PV	1606	32812	0.59%	0.083%
269	18.068	18.038	18.081	VV	1155	21338	0.38%	0.054%
270	18.106	18.081	18.141	VV	4128	59431	1.07%	0.150%
271	18.199	18.141	18.241	VV	4530	79298	1.43%	0.201%
272	18.309	18.241	18.332	VV	6588	114004	2.05%	0.288%
273	18.355	18.332	18.384	VV	2717	42780	0.77%	0.108%
274	18.403	18.384	18.413	VV	1535	20362	0.37%	0.052%
275	18.478	18.413	18.508	VV	7118	206875	3.73%	0.523%
276	18.530	18.508	18.559	VV	7364	122505	2.21%	0.310%
277	18.587	18.559	18.607	VV	7868	117578	2.12%	0.297%
278	18.625	18.607	18.678	VV	4916	94668	1.71%	0.240%
279	18.708	18.678	18.724	VV	1740	23909	0.43%	0.060%
280	18.757	18.724	18.780	VV	1646	36919	0.67%	0.093%
281	18.815	18.780	18.868	VV	4089	118117	2.13%	0.299%
282	18.876	18.868	18.894	VV	868	11346	0.20%	0.029%
283	18.941	18.894	18.964	VV	4500	83975	1.51%	0.212%
284	18.976	18.964	18.995	VV	1888	29035	0.52%	0.073%
285	19.046	18.995	19.068	VV	5494	115709	2.09%	0.293%
286	19.085	19.068	19.161	VV	3685	88325	1.59%	0.223%
287	19.223	19.161	19.266	PV	3641	134150	2.42%	0.339%
288	19.312	19.266	19.331	VV	10943	254158	4.58%	0.643%
289	19.342	19.331	19.397	VV	9273	286320	5.16%	0.724%
290	19.472	19.397	19.544	VV	37807	818811	14.76%	2.072%
291	19.579	19.544	19.682	VV	107084	2237218	40.32%	5.660%
292	19.723	19.682	19.778	VV	10845	419571	7.56%	1.062%
293	19.801	19.778	19.822	VV	9084	181924	3.28%	0.460%
294	19.850	19.822	19.901	VV	9275	368009	6.63%	0.931%
295	19.911	19.901	19.934	VV	7451	139080	2.51%	0.352%
296	19.962	19.934	20.001	VV	11424	350811	6.32%	0.888%
297	20.024	20.001	20.050	VV	7971	214938	3.87%	0.544%
298	20.084	20.050	20.121	VV	13567	432060	7.79%	1.093%
299	20.169	20.121	20.204	VV	14023	530174	9.56%	1.341%

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300	20.213	20.204	20.226	VV	8527	110177	1.99%	0.279%
301	20.290	20.226	20.333	VV	19246	796087	14.35%	2.014%
302	20.382	20.333	20.389	VV	13613	457609	8.25%	1.158%
303	20.468	20.389	20.505	VV	17403	1024475	18.47%	2.592%
304	20.540	20.505	20.557	VV	14446	447107	8.06%	1.131%
305	20.715	20.557	20.763	VV	21393	2097335	37.80%	5.306%
306	20.796	20.763	21.077	VV	37767	4230044	76.24%	10.702%
307	21.090	21.077	21.104	VV	15556	251981	4.54%	0.638%
308	21.215	21.104	21.354	VV	17174	2281827	41.13%	5.773%
309	21.381	21.354	21.395	VV	12062	286393	5.16%	0.725%
310	21.439	21.395	21.464	VV	12100	499195	9.00%	1.263%
311	21.498	21.464	21.614	VV	12224	978113	17.63%	2.475%
312	21.701	21.614	21.764	VV	10273	869727	15.68%	2.200%
313	21.797	21.764	21.867	VV	8784	493584	8.90%	1.249%
314	21.894	21.867	22.027	VV	6600	507548	9.15%	1.284%
315	22.138	22.027	22.268	VV	6476	538989	9.71%	1.364%
316	22.282	22.268	22.294	VV	397	4185	0.08%	0.011%
317	22.361	22.294	22.389	PV	823	29864	0.54%	0.076%
					Sum of corrected areas:		39525487	

Aliphatic EPH 112725.M Wed Dec 03 03:27:52 2025

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-21	SDG No.:	Q3742
Lab Sample ID:	Q3742-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.5
Sample Wt/Vol:	30.06 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/02/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	9.69		1	1.48	2.51	mg/kg	FE057128.D	12/02/25 17:57	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	8.04		1	1.14	5.03	mg/kg	FE057128.D	12/02/25 17:57	PB170789
Total AliphaticEPH	Total AliphaticEPH	17.7			2.62	7.54	mg/kg			
Total EPH	Total EPH	17.7			2.62	7.54	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-21	SDG No.:	Q3742
Lab Sample ID:	Q3742-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.5
Sample Wt/Vol:	30.06 g	Final Vol:	2000 uL
Prep Method :		Prep Date	12/02/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	8.04	1		1.14	5.03	mg/kg	12/02/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	9.69	1		1.48	2.51	mg/kg	12/02/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.5			40 - 140	47%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.3			40 - 140	55%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3742-05	Acq On:	02 Dec 2025 17:57
Client Sample ID:	SB-1125-21	Operator:	YP\AJ
Data file:	FE057128.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	3.199	6.825	3490919	17.398	300	ug/ml
Aliphatic C12-C16	6.826	10.272	6601072	32.489	200	ug/ml
Aliphatic C16-C21	10.273	13.646	5158754	26.013	300	ug/ml
Aliphatic C21-C28	13.647	17.317	3981282	20.032	400	ug/ml
Aliphatic C28-C40	17.318	22.251	23134799	115.732	600	ug/ml
Aliphatic EPH	3.199	22.251	42366826	211.663		ug/ml
ortho-Terphenyl (SURR)	11.942	11.942	5983838	27.27		ug/ml
1-chlorooctadecane (SURR)	13.380	13.380	3912133	23.51		ug/ml
Aliphatic C9-C28	3.199	17.317	19232027	95.932	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057128.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 17:57
 Operator : YP\AJ
 Sample : Q3742-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 SB-1125-21

Integration File: autoint1.e
 Quant Time: Dec 03 00:50:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.942	5983838	27.268 ug/ml
Spiked Amount 50.000		Recovery =	54.54%
12) S 1-chlorooctadecane (S...	13.380	3912133	23.507 ug/ml
Spiked Amount 50.000		Recovery =	47.01%

Target Compounds

(f)=RT Delta > 1/2 Window

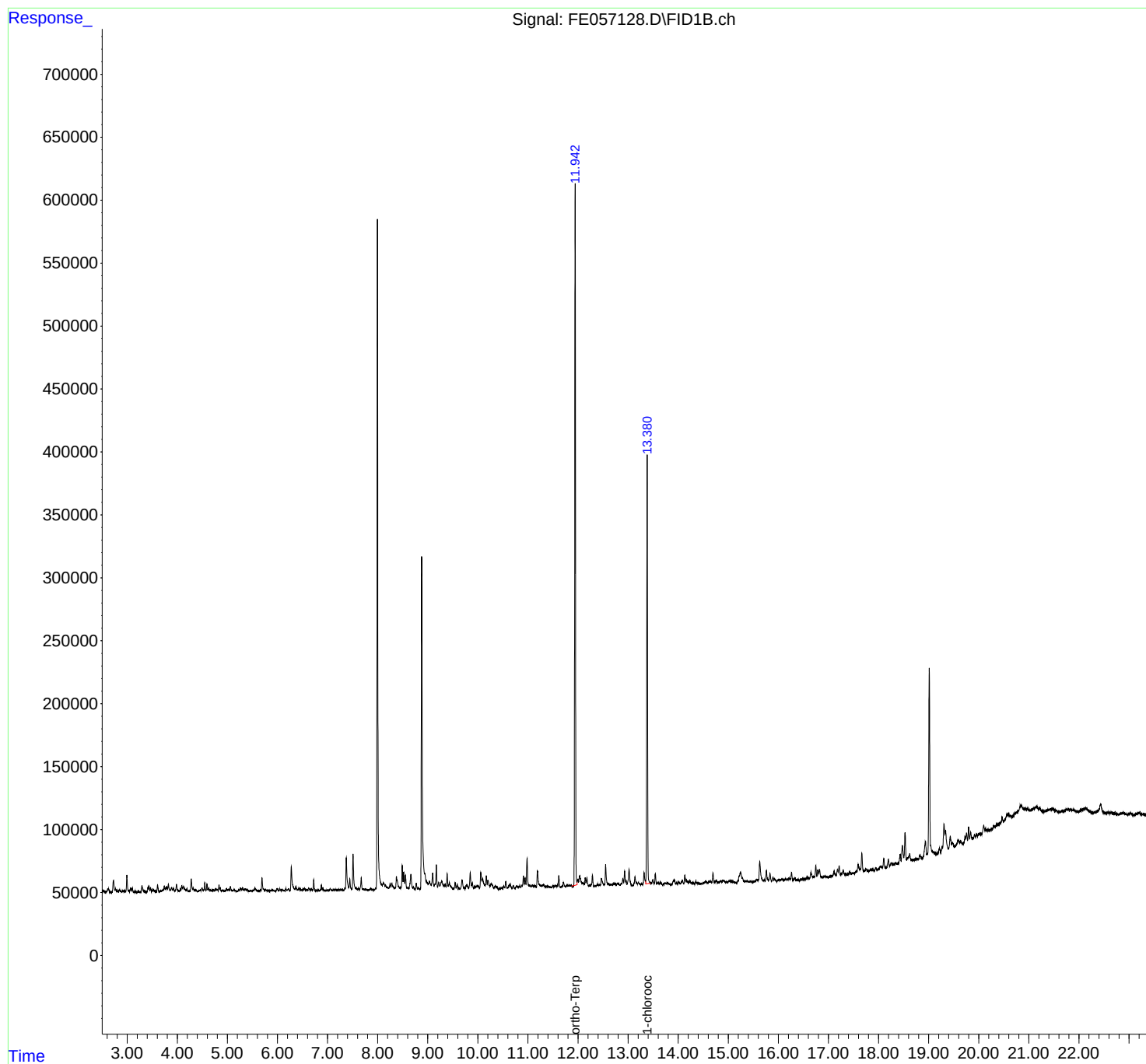
(m)=manual int.

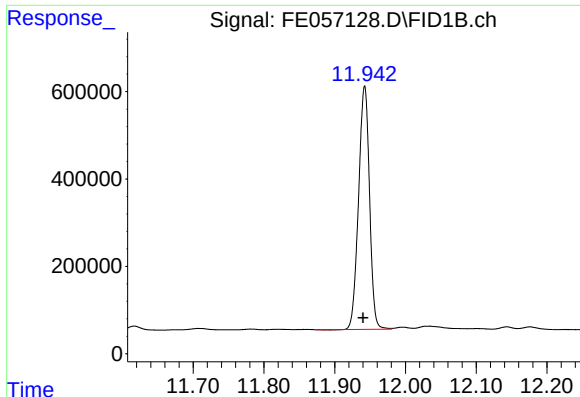
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057128.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 17:57
Operator : YP\AJ
Sample : Q3742-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
SB-1125-21

Integration File: autoint1.e
Quant Time: Dec 03 00:50:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

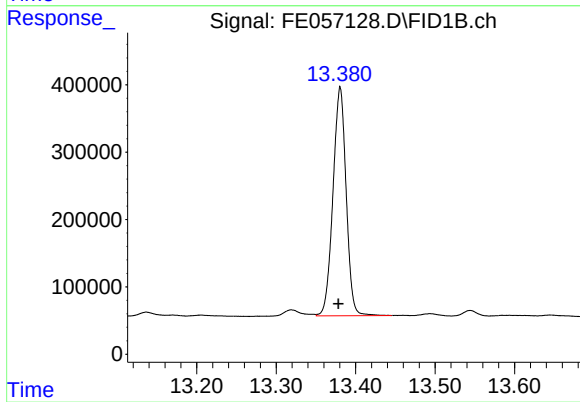




#9 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: 0.002 min
Response: 5983838
Conc: 27.27 ug/ml

Instrument :
FID_E
ClientSampleId :
SB-1125-21



#12 1-chlorooctadecane (SURR)

R.T.: 13.380 min
Delta R.T.: 0.002 min
Response: 3912133
Conc: 23.51 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057128.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 17:57
Sample : Q3742-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	2.611	2.525	2.621	BV	2323	6563	0.11%	0.012%
2	2.628	2.621	2.695	VV	2142	20754	0.34%	0.039%
3	2.725	2.695	2.754	PV	9097	154611	2.55%	0.291%
4	2.767	2.754	2.817	VV	2769	53779	0.89%	0.101%
5	2.846	2.817	2.861	VV	1913	29863	0.49%	0.056%
6	2.871	2.861	2.893	VV	1220	14709	0.24%	0.028%
7	2.930	2.893	2.942	VV	1627	26013	0.43%	0.049%
8	2.950	2.942	2.971	VV	1090	13448	0.22%	0.025%
9	2.993	2.971	3.043	VV	13419	181572	2.99%	0.342%
10	3.072	3.043	3.088	VV	2983	54096	0.89%	0.102%
11	3.102	3.088	3.125	VV	2892	33371	0.55%	0.063%
12	3.159	3.125	3.194	VV	712	13789	0.23%	0.026%
13	3.218	3.194	3.241	PV	773	8818	0.15%	0.017%
14	3.247	3.241	3.262	VV	275	2432	0.04%	0.005%
15	3.295	3.262	3.329	VV	5149	89264	1.47%	0.168%
16	3.337	3.329	3.390	VV	795	12657	0.21%	0.024%
17	3.435	3.390	3.452	VV	5086	92203	1.52%	0.174%
18	3.466	3.452	3.488	VV	3649	41170	0.68%	0.078%
19	3.514	3.488	3.563	VV	1931	49827	0.82%	0.094%
20	3.574	3.563	3.585	VV	685	7354	0.12%	0.014%
21	3.607	3.585	3.646	VV	5724	74716	1.23%	0.141%
22	3.665	3.646	3.674	VV	842	11096	0.18%	0.021%
23	3.740	3.674	3.771	VV	4619	116120	1.91%	0.219%
24	3.788	3.771	3.806	VV	4214	67619	1.11%	0.127%
25	3.823	3.806	3.856	VV	6240	99512	1.64%	0.188%
26	3.886	3.856	3.915	VV	3658	79592	1.31%	0.150%
27	3.926	3.915	3.949	VV	2900	38418	0.63%	0.072%
28	3.985	3.949	4.041	VV	5982	111910	1.84%	0.211%
29	4.063	4.041	4.073	VV	2299	29263	0.48%	0.055%
30	4.091	4.073	4.107	VV	4956	67937	1.12%	0.128%
31	4.121	4.107	4.173	VV	4006	97837	1.61%	0.184%
32	4.192	4.173	4.220	VV	2300	36196	0.60%	0.068%
33	4.279	4.220	4.305	VV	10239	154765	2.55%	0.292%
34	4.318	4.305	4.338	VV	3053	43588	0.72%	0.082%
35	4.355	4.338	4.401	VV	1555	38812	0.64%	0.073%
36	4.441	4.401	4.450	VV	1077	20218	0.33%	0.038%

					rteres			
37	4.462	4.450	4.472	VV	1410	15360	0.25%	0.029%
38	4.492	4.472	4.511	VV	3099	44025	0.73%	0.083%
39	4.549	4.511	4.572	VV	7238	102413	1.69%	0.193%
40	4.593	4.572	4.614	VV	5963	77586	1.28%	0.146%
41	4.630	4.614	4.652	VV	2869	40541	0.67%	0.076%
42	4.665	4.652	4.684	VV	1207	16791	0.28%	0.032%
43	4.733	4.684	4.745	VV	1399	37303	0.61%	0.070%
44	4.761	4.745	4.775	VV	2310	29828	0.49%	0.056%
45	4.785	4.775	4.815	VV	1447	30035	0.49%	0.057%
46	4.833	4.815	4.848	VV	5275	58644	0.97%	0.111%
47	4.857	4.848	4.878	VV	3029	33574	0.55%	0.063%
48	4.889	4.878	4.905	VV	683	9401	0.15%	0.018%
49	4.914	4.905	4.934	VV	858	11006	0.18%	0.021%
50	4.980	4.934	5.002	VV	1886	42878	0.71%	0.081%
51	5.024	5.002	5.040	VV	1630	30533	0.50%	0.058%
52	5.060	5.040	5.100	VV	3987	64612	1.06%	0.122%
53	5.137	5.100	5.194	VV	1741	41983	0.69%	0.079%
54	5.230	5.194	5.242	VV	1317	20954	0.35%	0.040%
55	5.260	5.242	5.286	VV	2855	48132	0.79%	0.091%
56	5.302	5.286	5.319	VV	3062	38260	0.63%	0.072%
57	5.367	5.319	5.385	VV	1880	58302	0.96%	0.110%
58	5.395	5.385	5.443	VV	1326	24068	0.40%	0.045%
59	5.467	5.443	5.481	PV	685	8583	0.14%	0.016%
60	5.492	5.481	5.506	VV	553	6522	0.11%	0.012%
61	5.549	5.506	5.621	VV	2410	68765	1.13%	0.130%
62	5.633	5.621	5.643	VV	391	4347	0.07%	0.008%
63	5.658	5.643	5.670	VV	1093	10778	0.18%	0.020%
64	5.691	5.670	5.747	VV	10579	154751	2.55%	0.292%
65	5.765	5.747	5.795	VV	1173	20714	0.34%	0.039%
66	5.812	5.795	5.848	VV	780	12625	0.21%	0.024%
67	5.899	5.848	5.944	VV	1050	28572	0.47%	0.054%
68	5.954	5.944	5.965	VV	328	2542	0.04%	0.005%
69	5.990	5.965	6.027	PV	1946	38534	0.63%	0.073%
70	6.046	6.027	6.070	VV	1809	25001	0.41%	0.047%
71	6.100	6.070	6.146	VV	1071	28753	0.47%	0.054%
72	6.169	6.146	6.190	VV	2054	27706	0.46%	0.052%
73	6.220	6.190	6.247	VV	1773	36982	0.61%	0.070%
74	6.276	6.247	6.348	VV	19532	356702	5.88%	0.672%
75	6.367	6.348	6.394	VV	4073	62527	1.03%	0.118%
76	6.429	6.394	6.445	VV	2078	44252	0.73%	0.083%
77	6.453	6.445	6.485	VV	1293	25753	0.42%	0.049%
78	6.517	6.485	6.527	VV	1479	26388	0.43%	0.050%
79	6.540	6.527	6.571	VV	2043	33710	0.56%	0.064%
80	6.582	6.571	6.604	VV	955	16323	0.27%	0.031%
81	6.625	6.604	6.653	VV	2236	40958	0.67%	0.077%
82	6.670	6.653	6.698	VV	1302	24507	0.40%	0.046%
83	6.723	6.698	6.790	VV	8883	106678	1.76%	0.201%
84	6.809	6.790	6.836	VV	719	10393	0.17%	0.020%
85	6.876	6.836	6.893	VV	4689	56743	0.93%	0.107%
86	6.905	6.893	6.968	VV	2159	33540	0.55%	0.063%
87	6.982	6.968	6.993	VV	262	1899	0.03%	0.004%
88	7.012	6.993	7.030	PV	968	10207	0.17%	0.019%
89	7.052	7.030	7.075	VV	1785	23159	0.38%	0.044%

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90	7.087	7.075	7.101	VV	691	7299	0.12%	0.014%
91	7.119	7.101	7.144	VV	914	17954	0.30%	0.034%
92	7.156	7.144	7.173	VV	956	12420	0.20%	0.023%
93	7.224	7.173	7.245	VV	812	27065	0.45%	0.051%
94	7.259	7.245	7.286	VV	865	18764	0.31%	0.035%
95	7.299	7.286	7.321	VV	896	11606	0.19%	0.022%
96	7.344	7.321	7.354	VV	2315	23049	0.38%	0.043%
97	7.375	7.354	7.424	VV	25971	410683	6.77%	0.774%
98	7.445	7.424	7.485	VV	9461	141602	2.33%	0.267%
99	7.509	7.485	7.605	VV	29060	450833	7.43%	0.850%
100	7.617	7.605	7.638	VV	1619	23778	0.39%	0.045%
101	7.673	7.638	7.705	VV	10104	142740	2.35%	0.269%
102	7.718	7.705	7.741	VV	1079	18116	0.30%	0.034%
103	7.758	7.741	7.828	VV	1396	32179	0.53%	0.061%
104	7.856	7.828	7.882	VV	1539	26823	0.44%	0.051%
105	7.904	7.882	7.935	VV	894	16832	0.28%	0.032%
106	8.115	8.093	8.218	VV	6057	265138	4.37%	0.500%
107	8.248	8.218	8.264	VV	5098	86911	1.43%	0.164%
108	8.283	8.264	8.331	VV	5568	136229	2.24%	0.257%
109	8.376	8.331	8.455	VV	10629	295964	4.88%	0.558%
110	8.491	8.455	8.507	VV	19423	255444	4.21%	0.482%
111	8.520	8.507	8.540	VV	14166	194154	3.20%	0.366%
112	8.556	8.540	8.587	VV	11722	166179	2.74%	0.313%
113	8.604	8.587	8.623	VV	2086	36796	0.61%	0.069%
114	8.663	8.623	8.701	VV	12376	251871	4.15%	0.475%
115	8.715	8.701	8.746	VV	2366	38404	0.63%	0.072%
116	8.770	8.746	8.795	VV	5386	73102	1.20%	0.138%
117	8.811	8.795	8.829	VV	2223	28217	0.46%	0.053%
118	8.840	8.829	8.855	VV	931	11910	0.20%	0.022%
119	9.032	9.010	9.065	VV	6790	175325	2.89%	0.331%
120	9.098	9.065	9.125	VV	13426	249317	4.11%	0.470%
121	9.171	9.125	9.196	VV	19951	313776	5.17%	0.592%
122	9.218	9.196	9.240	VV	5905	107750	1.78%	0.203%
123	9.280	9.240	9.311	VV	6967	202130	3.33%	0.381%
124	9.324	9.311	9.339	VV	3953	57401	0.95%	0.108%
125	9.352	9.339	9.366	VV	3368	50935	0.84%	0.096%
126	9.387	9.366	9.411	VV	12708	178180	2.94%	0.336%
127	9.432	9.411	9.498	VV	5781	152714	2.52%	0.288%
128	9.508	9.498	9.525	VV	849	13024	0.21%	0.025%
129	9.547	9.525	9.568	VV	5809	78064	1.29%	0.147%
130	9.586	9.568	9.648	VV	3628	77948	1.28%	0.147%
131	9.686	9.648	9.741	VV	7452	167671	2.76%	0.316%
132	9.779	9.741	9.816	VV	3680	104920	1.73%	0.198%
133	9.848	9.816	9.874	VV	13378	210148	3.46%	0.396%
134	9.890	9.874	9.911	VV	5464	77738	1.28%	0.147%
135	9.924	9.911	9.935	VV	1850	22398	0.37%	0.042%
136	9.949	9.935	9.962	VV	2205	30940	0.51%	0.058%
137	9.982	9.962	10.034	VV	2967	99420	1.64%	0.187%
138	10.059	10.034	10.084	VV	13616	228087	3.76%	0.430%
139	10.097	10.084	10.136	VV	8784	185371	3.05%	0.349%
140	10.169	10.136	10.187	VV	10774	176096	2.90%	0.332%
141	10.204	10.187	10.245	VV	7092	156686	2.58%	0.295%

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142	10.262	10.245	10.321	VV	4459	137423	2.26%	0.259%
143	10.346	10.321	10.375	VV	2321	58796	0.97%	0.111%
144	10.380	10.375	10.436	VV	1714	27003	0.44%	0.051%
145	10.479	10.436	10.495	PV	1169	23079	0.38%	0.044%
146	10.518	10.495	10.538	VV	2165	36502	0.60%	0.069%
147	10.558	10.538	10.586	VV	6057	88788	1.46%	0.167%
148	10.624	10.586	10.634	VV	2997	51304	0.85%	0.097%
149	10.648	10.634	10.683	VV	3941	64476	1.06%	0.122%
150	10.705	10.683	10.737	VV	2567	42526	0.70%	0.080%
151	10.774	10.737	10.816	VV	2317	65568	1.08%	0.124%
152	10.838	10.816	10.857	VV	2246	37504	0.62%	0.071%
153	10.911	10.857	10.928	VV	10196	176296	2.90%	0.332%
154	10.944	10.928	10.960	VV	8635	116708	1.92%	0.220%
155	10.983	10.960	11.018	VV	24019	357393	5.89%	0.674%
156	11.028	11.018	11.065	VV	2526	59170	0.97%	0.112%
157	11.087	11.065	11.119	VV	2527	66375	1.09%	0.125%
158	11.136	11.119	11.167	VV	2138	46978	0.77%	0.089%
159	11.191	11.167	11.278	VV	13719	300353	4.95%	0.566%
160	11.311	11.278	11.341	VV	2784	77499	1.28%	0.146%
161	11.367	11.341	11.381	VV	1695	30647	0.50%	0.058%
162	11.390	11.381	11.408	VV	1261	17797	0.29%	0.034%
163	11.420	11.408	11.455	VV	975	18974	0.31%	0.036%
164	11.498	11.455	11.522	VV	1936	38406	0.63%	0.072%
165	11.549	11.522	11.568	VV	1952	35907	0.59%	0.068%
166	11.617	11.568	11.654	VV	9574	154617	2.55%	0.291%
167	11.709	11.654	11.745	VV	4045	93570	1.54%	0.176%
168	11.782	11.745	11.801	VV	2528	49123	0.81%	0.093%
169	11.821	11.801	11.843	VV	1892	38732	0.64%	0.073%
170	11.860	11.843	11.888	VV	1691	32106	0.53%	0.061%
171	11.942	11.888	11.980	VV	556464	6069555	100.00%	11.443%
172	11.996	11.980	12.011	VV	6712	100187	1.65%	0.189%
173	12.032	12.011	12.088	VV	8819	261828	4.31%	0.494%
174	12.101	12.088	12.122	VV	3431	60078	0.99%	0.113%
175	12.143	12.122	12.159	VV	7457	104135	1.72%	0.196%
176	12.176	12.159	12.215	VV	7223	124357	2.05%	0.234%
177	12.225	12.215	12.243	VV	1073	15278	0.25%	0.029%
178	12.287	12.243	12.321	VV	9415	139997	2.31%	0.264%
179	12.342	12.321	12.359	VV	907	15344	0.25%	0.029%
180	12.389	12.359	12.408	VV	1972	38808	0.64%	0.073%
181	12.423	12.408	12.441	VV	1585	26312	0.43%	0.050%
182	12.467	12.441	12.527	VV	6452	166214	2.74%	0.313%
183	12.551	12.527	12.631	VV	17487	302513	4.98%	0.570%
184	12.662	12.631	12.683	VV	1598	43266	0.71%	0.082%
185	12.720	12.683	12.735	VV	2092	54040	0.89%	0.102%
186	12.744	12.735	12.771	VV	1952	34634	0.57%	0.065%
187	12.789	12.771	12.836	VV	2590	67305	1.11%	0.127%
188	12.895	12.836	12.911	VV	6057	124910	2.06%	0.235%
189	12.930	12.911	12.951	VV	12022	164880	2.72%	0.311%
190	12.961	12.951	12.980	VV	4360	56565	0.93%	0.107%
191	13.019	12.980	13.084	VV	13037	277049	4.56%	0.522%
192	13.137	13.084	13.162	VV	7172	129361	2.13%	0.244%
193	13.170	13.162	13.187	VV	2872	34749	0.57%	0.066%
194	13.205	13.187	13.267	VV	2704	73766	1.22%	0.139%

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195	13.319	13.267	13.351	VV	10384	198406	3.27%	0.374%
196	13.380	13.351	13.448	VV	341826	4004209	65.97%	7.549%
197	13.460	13.448	13.470	VV	2097	26560	0.44%	0.050%
198	13.493	13.470	13.520	VV	4513	83536	1.38%	0.157%
199	13.544	13.520	13.570	VV	9294	125481	2.07%	0.237%
200	13.592	13.570	13.628	VV	1976	57920	0.95%	0.109%
201	13.645	13.628	13.687	VV	2405	45078	0.74%	0.085%
202	13.707	13.687	13.716	VV	872	9953	0.16%	0.019%
203	13.736	13.716	13.763	VV	1765	35350	0.58%	0.067%
204	13.786	13.763	13.853	VV	1978	54974	0.91%	0.104%
205	13.921	13.853	13.952	VV	3566	109346	1.80%	0.206%
206	13.970	13.952	13.988	VV	1667	25800	0.43%	0.049%
207	14.010	13.988	14.044	VV	2090	47061	0.78%	0.089%
208	14.083	14.044	14.109	VV	3227	75268	1.24%	0.142%
209	14.132	14.109	14.150	VV	7530	99374	1.64%	0.187%
210	14.160	14.150	14.175	VV	3317	41763	0.69%	0.079%
211	14.189	14.175	14.215	VV	3131	52753	0.87%	0.099%
212	14.234	14.215	14.271	VV	2948	60678	1.00%	0.114%
213	14.289	14.271	14.331	VV	1193	29426	0.48%	0.055%
214	14.352	14.331	14.406	VV	2249	45936	0.76%	0.087%
215	14.425	14.406	14.451	VV	430	8728	0.14%	0.016%
216	14.463	14.451	14.478	VV	353	3434	0.06%	0.006%
217	14.498	14.478	14.518	VV	1255	17830	0.29%	0.034%
218	14.547	14.518	14.590	VV	2203	61736	1.02%	0.116%
219	14.609	14.590	14.631	VV	2082	37263	0.61%	0.070%
220	14.645	14.631	14.667	VV	2236	36741	0.61%	0.069%
221	14.695	14.667	14.722	VV	8810	129499	2.13%	0.244%
222	14.760	14.722	14.792	VV	2920	70198	1.16%	0.132%
223	14.853	14.792	14.874	VV	2366	71932	1.19%	0.136%
224	14.896	14.874	14.942	VV	2663	75317	1.24%	0.142%
225	14.960	14.942	14.985	VV	1372	28268	0.47%	0.053%
226	15.022	14.985	15.035	VV	1969	46097	0.76%	0.087%
227	15.051	15.035	15.076	VV	2006	42281	0.70%	0.080%
228	15.092	15.076	15.163	VV	1851	43760	0.72%	0.082%
229	15.241	15.163	15.318	PV	8511	356347	5.87%	0.672%
230	15.343	15.318	15.357	VV	1446	29049	0.48%	0.055%
231	15.374	15.357	15.405	VV	1634	31422	0.52%	0.059%
232	15.452	15.405	15.478	VV	873	32259	0.53%	0.061%
233	15.486	15.478	15.494	VV	560	4705	0.08%	0.009%
234	15.513	15.494	15.526	VV	972	14474	0.24%	0.027%
235	15.571	15.526	15.595	VV	2395	60160	0.99%	0.113%
236	15.628	15.595	15.698	VV	16420	355989	5.87%	0.671%
237	15.717	15.698	15.738	VV	1666	28426	0.47%	0.054%
238	15.760	15.738	15.808	VV	9061	149488	2.46%	0.282%
239	15.833	15.808	15.865	VV	6525	99921	1.65%	0.188%
240	15.892	15.865	15.913	VV	3236	51577	0.85%	0.097%
241	15.929	15.913	15.965	VV	1935	36740	0.61%	0.069%
242	15.996	15.965	16.008	VV	956	15532	0.26%	0.029%
243	16.029	16.008	16.045	VV	1349	22585	0.37%	0.043%
244	16.066	16.045	16.114	VV	1406	42626	0.70%	0.080%
245	16.153	16.114	16.178	VV	1416	38489	0.63%	0.073%
246	16.192	16.178	16.206	VV	1452	20508	0.34%	0.039%

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247	16.223	16.206	16.241	VV	1731	30339	0.50%	0.057%
248	16.262	16.241	16.291	VV	6470	90338	1.49%	0.170%
249	16.331	16.291	16.371	VV	1810	37601	0.62%	0.071%
250	16.386	16.371	16.411	VV	564	8292	0.14%	0.016%
251	16.486	16.411	16.517	PV	774	25916	0.43%	0.049%
252	16.579	16.517	16.621	VV	1668	53792	0.89%	0.101%
253	16.649	16.621	16.685	VV	5340	111633	1.84%	0.210%
254	16.704	16.685	16.725	VV	1816	37519	0.62%	0.071%
255	16.747	16.725	16.768	VV	10493	143574	2.37%	0.271%
256	16.788	16.768	16.804	VV	6745	103054	1.70%	0.194%
257	16.821	16.804	16.879	VV	7096	127765	2.11%	0.241%
258	16.924	16.879	16.948	VV	1514	37228	0.61%	0.070%
259	16.954	16.948	17.001	VV	922	12850	0.21%	0.024%
260	17.050	17.001	17.061	PV	967	16177	0.27%	0.030%
261	17.109	17.061	17.155	VV	4256	93439	1.54%	0.176%
262	17.179	17.155	17.194	VV	5322	79234	1.31%	0.149%
263	17.214	17.194	17.242	VV	7818	122198	2.01%	0.230%
264	17.295	17.242	17.368	VV	4294	99270	1.64%	0.187%
265	17.428	17.368	17.451	VV	1669	34341	0.57%	0.065%
266	17.458	17.451	17.481	VV	504	7255	0.12%	0.014%
267	17.495	17.481	17.514	VV	393	4998	0.08%	0.009%
268	17.558	17.514	17.568	VV	1731	33802	0.56%	0.064%
269	17.592	17.568	17.621	VV	6549	131777	2.17%	0.248%
270	17.667	17.621	17.721	VV	15007	278964	4.60%	0.526%
271	17.747	17.721	17.803	VV	2265	58576	0.97%	0.110%
272	17.839	17.803	17.867	VV	1415	29478	0.49%	0.056%
273	17.883	17.867	17.916	VV	1097	19091	0.31%	0.036%
274	17.941	17.916	17.968	PV	2024	27213	0.45%	0.051%
275	18.001	17.968	18.011	PV	520	7637	0.13%	0.014%
276	18.036	18.011	18.081	VV	2451	58818	0.97%	0.111%
277	18.105	18.081	18.140	VV	7862	105730	1.74%	0.199%
278	18.196	18.140	18.220	PV	6438	102694	1.69%	0.194%
279	18.252	18.220	18.269	VV	2931	50268	0.83%	0.095%
280	18.286	18.269	18.298	VV	1639	24632	0.41%	0.046%
281	18.341	18.298	18.362	VV	2185	53456	0.88%	0.101%
282	18.431	18.362	18.450	VV	7569	158315	2.61%	0.298%
283	18.475	18.450	18.504	VV	14611	287985	4.74%	0.543%
284	18.529	18.504	18.557	VV	24382	380716	6.27%	0.718%
285	18.621	18.557	18.671	VV	6383	228041	3.76%	0.430%
286	18.708	18.671	18.723	VV	963	26272	0.43%	0.050%
287	18.749	18.723	18.786	VV	1208	27261	0.45%	0.051%
288	18.827	18.786	18.875	VV	3282	69948	1.15%	0.132%
289	18.935	18.875	18.965	PV	13117	302863	4.99%	0.571%
290	19.012	18.965	19.082	VV	149185	2268912	37.38%	4.277%
291	19.090	19.082	19.157	VV	3372	90790	1.50%	0.171%
292	19.215	19.157	19.240	VV	4753	105946	1.75%	0.200%
293	19.269	19.240	19.276	VV	4701	71369	1.18%	0.135%
294	19.306	19.276	19.325	VV	22905	425273	7.01%	0.802%
295	19.337	19.325	19.393	VV	17588	373822	6.16%	0.705%
296	19.431	19.393	19.458	VV	12068	266787	4.40%	0.503%
297	19.473	19.458	19.524	VV	6616	182532	3.01%	0.344%
298	19.586	19.524	19.616	VV	7405	275098	4.53%	0.519%
299	19.637	19.616	19.675	VV	5446	164783	2.71%	0.311%

					rteres			
300	19.726	19.675	19.737	VV	8189	193232	3.18%	0.364%
301	19.756	19.737	19.776	VV	11132	194519	3.20%	0.367%
302	19.798	19.776	19.818	VV	15346	245669	4.05%	0.463%
303	19.839	19.818	19.887	VV	10672	299691	4.94%	0.565%
304	19.913	19.887	19.932	VV	8033	179246	2.95%	0.338%
305	19.954	19.932	19.975	VV	8242	187236	3.08%	0.353%
306	19.999	19.975	20.014	VV	8090	169828	2.80%	0.320%
307	20.028	20.014	20.044	VV	7716	131960	2.17%	0.249%
308	20.099	20.044	20.121	VV	13546	437130	7.20%	0.824%
309	20.132	20.121	20.154	VV	9984	189763	3.13%	0.358%
310	20.165	20.154	20.195	VV	9092	214765	3.54%	0.405%
311	20.210	20.195	20.225	VV	8556	156522	2.58%	0.295%
312	20.250	20.225	20.265	VV	9092	201508	3.32%	0.380%
313	20.295	20.265	20.305	VV	10511	234485	3.86%	0.442%
314	20.382	20.305	20.395	VV	11152	570103	9.39%	1.075%
315	20.468	20.395	20.498	VV	15649	778117	12.82%	1.467%
316	20.587	20.498	20.607	VV	17123	990780	16.32%	1.868%
317	20.620	20.607	20.668	VV	15816	552312	9.10%	1.041%
318	20.829	20.668	20.841	VV	21316	1766930	29.11%	3.331%
319	20.852	20.841	20.891	VV	21178	592567	9.76%	1.117%
320	20.901	20.891	20.951	VV	18165	636361	10.48%	1.200%
321	20.976	20.951	21.038	VV	17265	852915	14.05%	1.608%
322	21.159	21.038	21.192	VV	17024	1494611	24.62%	2.818%
323	21.215	21.192	21.288	VV	15495	773500	12.74%	1.458%
324	21.427	21.288	21.450	VV	12383	1154678	19.02%	2.177%
325	21.474	21.450	21.531	VV	12071	545815	8.99%	1.029%
326	21.539	21.531	21.626	VV	9944	495530	8.16%	0.934%
327	21.653	21.626	21.681	VV	8441	264279	4.35%	0.498%
328	21.779	21.681	21.806	VV	8286	599359	9.87%	1.130%
329	21.816	21.806	21.859	VV	7849	232724	3.83%	0.439%
330	21.898	21.859	21.979	VV	6559	407029	6.71%	0.767%
331	22.142	21.979	22.279	VV	5346	656192	10.81%	1.237%
Sum of corrected areas:						53043164		

Aliphatic EPH 112725.M Wed Dec 03 03:28:24 2025

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-13	SDG No.:	Q3742
Lab Sample ID:	Q3742-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.5
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 12/02/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID

TARGETS

Aliphatic C28-C40	Aliphatic C28-C40	7.56		1	1.38	2.34	mg/kg	FE057129.D	12/02/25 18:27	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	6.21		1	1.06	4.68	mg/kg	FE057129.D	12/02/25 18:27	PB170789
Total AliphaticEPH	Total AliphaticEPH	13.8			2.44	7.02	mg/kg			
Total EPH	Total EPH	13.8			2.44	7.02	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-13	SDG No.:	Q3742
Lab Sample ID:	Q3742-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.5
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
	Prep Date	12/02/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	6.21	1		1.06	4.68	mg/kg	12/02/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	7.56	1		1.38	2.34	mg/kg	12/02/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	24.8			40 - 140	50%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.3			40 - 140	57%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3742-06	Acq On:	02 Dec 2025 18:27
Client Sample ID:	SB-1125-13	Operator:	YP\AJ
Data file:	FE057129.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	3.199	6.825	2246425	11.195	300	ug/ml
Aliphatic C12-C16	6.826	10.272	4807356	23.661	200	ug/ml
Aliphatic C16-C21	10.273	13.646	3982008	20.079	300	ug/ml
Aliphatic C21-C28	13.647	17.317	4940730	24.859	400	ug/ml
Aliphatic C28-C40	17.318	22.251	19392607	97.012	600	ug/ml
Aliphatic EPH	3.199	22.251	35369126	176.806		ug/ml
ortho-Terphenyl (SURR)	11.942	11.942	6209449	28.3		ug/ml
1-chlorooctadecane (SURR)	13.380	13.380	4125912	24.79		ug/ml
Aliphatic C9-C28	3.199	17.317	15976519	79.794	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057129.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 18:27
 Operator : YP\AJ
 Sample : Q3742-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 SB-1125-13

Integration File: autoint1.e
 Quant Time: Dec 03 00:50:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.942	6209449	28.297 ug/ml
Spiked Amount 50.000		Recovery =	56.59%
12) S 1-chlorooctadecane (S...	13.380	4125912	24.791 ug/ml
Spiked Amount 50.000		Recovery =	49.58%

Target Compounds

(f)=RT Delta > 1/2 Window

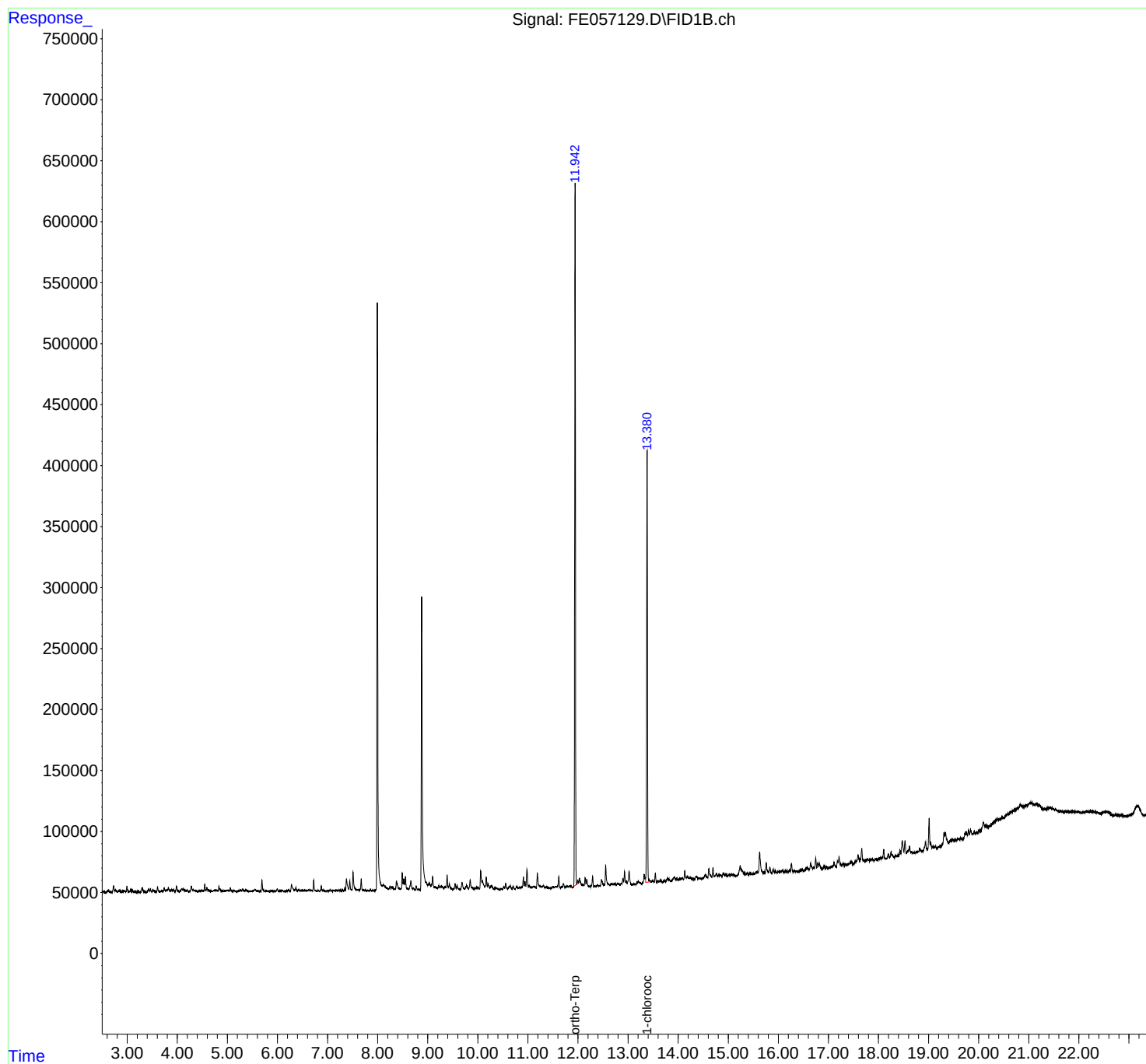
(m)=manual int.

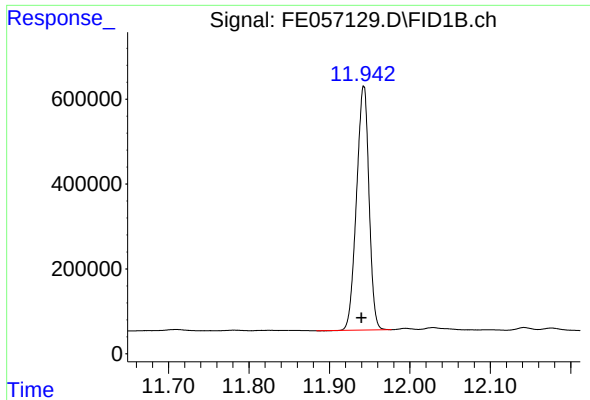
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057129.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 18:27
Operator : YP\AJ
Sample : Q3742-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
SB-1125-13

Integration File: autoint1.e
Quant Time: Dec 03 00:50:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

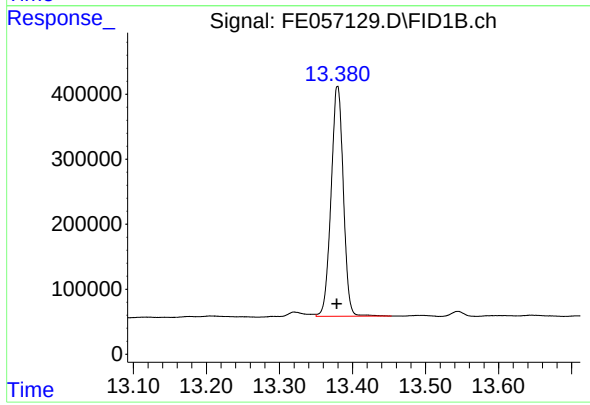




#9 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: 0.002 min
Response: 6209449
Conc: 28.30 ug/ml

Instrument :
FID_E
ClientSampleId :
SB-1125-13



#12 1-chlorooctadecane (SURR)

R.T.: 13.380 min
Delta R.T.: 0.001 min
Response: 4125912
Conc: 24.79 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057129.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 18:27
Sample : Q3742-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	2.629	2.541	2.672	BV	1250	23255	0.37%	0.050%
2	2.680	2.672	2.692	PV	92	554	0.01%	0.001%
3	2.728	2.692	2.754	PV	5335	79865	1.27%	0.173%
4	2.767	2.754	2.814	VV	1698	32668	0.52%	0.071%
5	2.846	2.814	2.862	VV	1480	24805	0.39%	0.054%
6	2.870	2.862	2.894	VV	819	9514	0.15%	0.021%
7	2.930	2.894	2.969	VV	1310	29069	0.46%	0.063%
8	2.994	2.969	3.042	VV	4925	75362	1.20%	0.163%
9	3.072	3.042	3.088	VV	2016	33086	0.53%	0.072%
10	3.101	3.088	3.148	VV	1656	22085	0.35%	0.048%
11	3.160	3.148	3.193	VV	399	4113	0.07%	0.009%
12	3.218	3.193	3.235	PV	619	6980	0.11%	0.015%
13	3.244	3.235	3.262	VV	177	2241	0.04%	0.005%
14	3.295	3.262	3.328	VV	3450	62386	0.99%	0.135%
15	3.336	3.328	3.390	VV	710	11652	0.19%	0.025%
16	3.435	3.390	3.451	VV	2779	44705	0.71%	0.097%
17	3.465	3.451	3.487	VV	2327	25739	0.41%	0.056%
18	3.511	3.487	3.588	VV	1197	40110	0.64%	0.087%
19	3.606	3.588	3.645	VV	4350	55021	0.88%	0.119%
20	3.692	3.645	3.716	VV	905	23840	0.38%	0.052%
21	3.739	3.716	3.778	VV	3526	62387	0.99%	0.135%
22	3.793	3.778	3.803	VV	1531	21227	0.34%	0.046%
23	3.822	3.803	3.855	VV	3835	62052	0.99%	0.134%
24	3.886	3.855	3.911	VV	1873	42384	0.67%	0.092%
25	3.926	3.911	3.948	VV	2020	27259	0.43%	0.059%
26	3.985	3.948	4.041	VV	4524	82786	1.32%	0.179%
27	4.089	4.041	4.104	VV	2879	56853	0.90%	0.123%
28	4.121	4.104	4.138	VV	2739	41852	0.67%	0.091%
29	4.149	4.138	4.173	VV	1565	23942	0.38%	0.052%
30	4.193	4.173	4.224	VV	1576	26637	0.42%	0.058%
31	4.239	4.224	4.247	VV	438	5399	0.09%	0.012%
32	4.280	4.247	4.304	VV	4738	76166	1.21%	0.165%
33	4.317	4.304	4.338	VV	2124	30833	0.49%	0.067%
34	4.353	4.338	4.401	VV	1101	26726	0.43%	0.058%
35	4.441	4.401	4.452	VV	972	17393	0.28%	0.038%
36	4.461	4.452	4.474	VV	774	8991	0.14%	0.019%

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37	4.491	4.474	4.511	VV	1623	24305	0.39%	0.053%
38	4.548	4.511	4.573	VV	6143	83381	1.33%	0.180%
39	4.593	4.573	4.614	VV	3221	46110	0.73%	0.100%
40	4.629	4.614	4.684	VV	1667	34545	0.55%	0.075%
41	4.730	4.684	4.743	VV	1015	23355	0.37%	0.051%
42	4.760	4.743	4.813	VV	1669	44709	0.71%	0.097%
43	4.832	4.813	4.876	VV	4613	76548	1.22%	0.166%
44	4.890	4.876	4.901	VV	644	8514	0.14%	0.018%
45	4.912	4.901	4.934	VV	759	9679	0.15%	0.021%
46	4.985	4.934	5.001	VV	1052	27549	0.44%	0.060%
47	5.016	5.001	5.041	VV	1024	18964	0.30%	0.041%
48	5.060	5.041	5.099	VV	3251	47964	0.76%	0.104%
49	5.137	5.099	5.194	VV	953	25085	0.40%	0.054%
50	5.228	5.194	5.243	VV	905	13327	0.21%	0.029%
51	5.260	5.243	5.284	VV	1563	24875	0.40%	0.054%
52	5.302	5.284	5.320	VV	2323	29383	0.47%	0.064%
53	5.332	5.320	5.351	VV	965	15938	0.25%	0.034%
54	5.367	5.351	5.413	VV	1322	31534	0.50%	0.068%
55	5.423	5.413	5.448	VV	372	4107	0.07%	0.009%
56	5.466	5.448	5.484	PV	553	7281	0.12%	0.016%
57	5.493	5.484	5.505	VV	426	4396	0.07%	0.010%
58	5.548	5.505	5.622	VV	1580	51946	0.83%	0.112%
59	5.632	5.622	5.641	VV	332	2630	0.04%	0.006%
60	5.657	5.641	5.668	VV	588	5747	0.09%	0.012%
61	5.690	5.668	5.748	VV	9348	130183	2.07%	0.282%
62	5.765	5.748	5.794	VV	608	10489	0.17%	0.023%
63	5.813	5.794	5.845	VV	581	8809	0.14%	0.019%
64	5.874	5.845	5.888	VV	634	10780	0.17%	0.023%
65	5.896	5.888	5.941	VV	742	12999	0.21%	0.028%
66	5.950	5.941	5.967	VV	254	2694	0.04%	0.006%
67	5.997	5.967	6.028	VV	1835	33213	0.53%	0.072%
68	6.047	6.028	6.071	VV	1095	15924	0.25%	0.034%
69	6.099	6.071	6.153	VV	745	19271	0.31%	0.042%
70	6.173	6.153	6.191	VV	624	7976	0.13%	0.017%
71	6.221	6.191	6.251	VV	1230	21419	0.34%	0.046%
72	6.281	6.251	6.346	VV	5701	133368	2.12%	0.288%
73	6.366	6.346	6.394	VV	3166	44050	0.70%	0.095%
74	6.429	6.394	6.485	VV	1625	42971	0.68%	0.093%
75	6.516	6.485	6.530	VV	910	17323	0.28%	0.037%
76	6.541	6.530	6.567	VV	794	13570	0.22%	0.029%
77	6.584	6.567	6.604	VV	705	12171	0.19%	0.026%
78	6.626	6.604	6.650	VV	1410	25656	0.41%	0.055%
79	6.667	6.650	6.699	VV	1034	19958	0.32%	0.043%
80	6.723	6.699	6.791	VV	8986	105852	1.68%	0.229%
81	6.812	6.791	6.836	VV	606	10316	0.16%	0.022%
82	6.876	6.836	6.894	VV	4368	52127	0.83%	0.113%
83	6.909	6.894	6.971	VV	1068	19175	0.31%	0.041%
84	6.981	6.971	6.996	PV	262	2220	0.04%	0.005%
85	7.012	6.996	7.030	VV	616	6002	0.10%	0.013%
86	7.051	7.030	7.073	VV	1471	16953	0.27%	0.037%
87	7.087	7.073	7.101	VV	582	5287	0.08%	0.011%
88	7.117	7.101	7.146	VV	626	12484	0.20%	0.027%
89	7.157	7.146	7.177	VV	615	7995	0.13%	0.017%

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90	7.190	7.177	7.203	VV	402	5433	0.09%	0.012%
91	7.224	7.203	7.243	VV	673	12415	0.20%	0.027%
92	7.258	7.243	7.278	VV	723	12304	0.20%	0.027%
93	7.297	7.278	7.323	VV	807	13593	0.22%	0.029%
94	7.344	7.323	7.357	VV	1866	20366	0.32%	0.044%
95	7.378	7.357	7.423	VV	9883	185036	2.94%	0.400%
96	7.444	7.423	7.485	VV	8504	119100	1.89%	0.258%
97	7.510	7.485	7.598	VV	15413	267373	4.25%	0.578%
98	7.617	7.598	7.641	VV	1188	20889	0.33%	0.045%
99	7.672	7.641	7.704	VV	9926	127692	2.03%	0.276%
100	7.717	7.704	7.741	VV	876	13525	0.22%	0.029%
101	7.758	7.741	7.824	VV	951	18395	0.29%	0.040%
102	7.853	7.824	7.882	VV	1316	20310	0.32%	0.044%
103	7.903	7.882	7.921	VV	537	7125	0.11%	0.015%
104	7.931	7.921	7.942	VV	162	1155	0.02%	0.002%
105	8.114	8.094	8.218	VV	4935	229790	3.66%	0.497%
106	8.248	8.218	8.265	VV	3785	68233	1.09%	0.148%
107	8.285	8.265	8.348	VV	3439	103376	1.64%	0.224%
108	8.376	8.348	8.454	VV	7993	205303	3.27%	0.444%
109	8.461	8.454	8.466	VV	1465	10447	0.17%	0.023%
110	8.491	8.466	8.508	VV	14496	182096	2.90%	0.394%
111	8.521	8.508	8.538	VV	9706	136206	2.17%	0.295%
112	8.555	8.538	8.587	VV	11597	167984	2.67%	0.363%
113	8.601	8.587	8.621	VV	1886	29820	0.47%	0.064%
114	8.663	8.621	8.701	VV	7801	171818	2.73%	0.372%
115	8.714	8.701	8.748	VV	2204	33951	0.54%	0.073%
116	8.771	8.748	8.795	VV	3741	51125	0.81%	0.111%
117	8.810	8.795	8.834	VV	1351	20148	0.32%	0.044%
118	8.841	8.834	8.854	VV	610	5773	0.09%	0.012%
119	9.031	9.003	9.067	VV	5818	176973	2.82%	0.383%
120	9.097	9.067	9.126	VV	11203	202002	3.21%	0.437%
121	9.144	9.126	9.201	VV	2836	101363	1.61%	0.219%
122	9.221	9.201	9.239	VV	3708	63713	1.01%	0.138%
123	9.269	9.239	9.324	VV	3125	130962	2.08%	0.283%
124	9.349	9.324	9.363	VV	2420	50062	0.80%	0.108%
125	9.387	9.363	9.412	VV	12266	169810	2.70%	0.367%
126	9.432	9.412	9.495	VV	5110	112868	1.80%	0.244%
127	9.505	9.495	9.519	VV	696	9699	0.15%	0.021%
128	9.546	9.519	9.567	VV	5346	73388	1.17%	0.159%
129	9.585	9.567	9.646	VV	3633	71771	1.14%	0.155%
130	9.685	9.646	9.740	VV	6283	136443	2.17%	0.295%
131	9.777	9.740	9.818	VV	3655	96732	1.54%	0.209%
132	9.848	9.818	9.881	VV	8276	144981	2.31%	0.314%
133	9.889	9.881	9.911	VV	1907	26002	0.41%	0.056%
134	9.950	9.911	9.964	VV	1750	39435	0.63%	0.085%
135	9.978	9.964	9.993	VV	1964	29089	0.46%	0.063%
136	10.006	9.993	10.033	VV	1848	32180	0.51%	0.070%
137	10.058	10.033	10.084	VV	15425	244595	3.89%	0.529%
138	10.095	10.084	10.138	VV	7183	155403	2.47%	0.336%
139	10.169	10.138	10.189	VV	10248	159512	2.54%	0.345%
140	10.205	10.189	10.238	VV	4734	96590	1.54%	0.209%
141	10.262	10.238	10.321	VV	3127	100759	1.60%	0.218%

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142	10.360	10.321	10.424	VV	1211	48767	0.78%	0.105%
143	10.477	10.424	10.495	PV	672	14453	0.23%	0.031%
144	10.519	10.495	10.536	VV	2217	33935	0.54%	0.073%
145	10.558	10.536	10.588	VV	5016	75421	1.20%	0.163%
146	10.648	10.588	10.684	VV	3226	86893	1.38%	0.188%
147	10.706	10.684	10.740	VV	2375	36268	0.58%	0.078%
148	10.774	10.740	10.813	VV	1908	47139	0.75%	0.102%
149	10.837	10.813	10.856	VV	1768	30771	0.49%	0.067%
150	10.910	10.856	10.928	VV	9735	150874	2.40%	0.326%
151	10.943	10.928	10.959	VV	6036	78204	1.24%	0.169%
152	10.982	10.959	11.014	VV	15865	245430	3.90%	0.531%
153	11.029	11.014	11.065	VV	2153	49840	0.79%	0.108%
154	11.087	11.065	11.099	VV	1713	27434	0.44%	0.059%
155	11.133	11.099	11.166	VV	1702	52244	0.83%	0.113%
156	11.190	11.166	11.267	VV	12371	241244	3.84%	0.522%
157	11.311	11.267	11.341	VV	2184	64370	1.02%	0.139%
158	11.366	11.341	11.411	VV	1177	34215	0.54%	0.074%
159	11.420	11.411	11.460	VV	609	8107	0.13%	0.018%
160	11.498	11.460	11.520	PV	1488	25646	0.41%	0.055%
161	11.550	11.520	11.568	VV	1761	29808	0.47%	0.064%
162	11.617	11.568	11.648	VV	9156	133441	2.12%	0.289%
163	11.709	11.648	11.738	VV	3423	72152	1.15%	0.156%
164	11.782	11.738	11.801	VV	1775	32618	0.52%	0.071%
165	11.825	11.801	11.841	VV	1357	24362	0.39%	0.053%
166	11.858	11.841	11.894	VV	1007	19495	0.31%	0.042%
167	11.942	11.894	11.977	VV	574662	6285993	100.00%	13.594%
168	11.995	11.977	12.011	VV	5866	85783	1.36%	0.186%
169	12.029	12.011	12.088	VV	7482	188131	2.99%	0.407%
170	12.098	12.088	12.119	VV	2214	36337	0.58%	0.079%
171	12.142	12.119	12.160	VV	7594	103749	1.65%	0.224%
172	12.176	12.160	12.218	VV	6245	100687	1.60%	0.218%
173	12.232	12.218	12.251	VV	577	7883	0.13%	0.017%
174	12.292	12.251	12.318	VV	8768	114388	1.82%	0.247%
175	12.335	12.318	12.355	PV	591	7725	0.12%	0.017%
176	12.394	12.355	12.438	VV	1675	35309	0.56%	0.076%
177	12.471	12.438	12.528	VV	5368	125512	2.00%	0.271%
178	12.553	12.528	12.636	VV	16809	296725	4.72%	0.642%
179	12.673	12.636	12.685	VV	1642	39605	0.63%	0.086%
180	12.700	12.685	12.733	VV	1813	43094	0.69%	0.093%
181	12.748	12.733	12.768	VV	1626	26536	0.42%	0.057%
182	12.792	12.768	12.835	VV	2073	51960	0.83%	0.112%
183	12.866	12.835	12.874	VV	1652	28344	0.45%	0.061%
184	12.897	12.874	12.911	VV	5827	81699	1.30%	0.177%
185	12.930	12.911	12.952	VV	11157	154274	2.45%	0.334%
186	12.963	12.952	12.981	VV	3513	46140	0.73%	0.100%
187	13.020	12.981	13.092	VV	11257	228880	3.64%	0.495%
188	13.117	13.092	13.133	PV	894	12973	0.21%	0.028%
189	13.144	13.133	13.153	VV	571	5924	0.09%	0.013%
190	13.177	13.153	13.187	VV	1705	22739	0.36%	0.049%
191	13.206	13.187	13.271	VV	2281	70011	1.11%	0.151%
192	13.321	13.271	13.343	VV	7951	146831	2.34%	0.318%
193	13.380	13.343	13.471	VV	356525	4250582	67.62%	9.192%
194	13.494	13.471	13.519	VV	2402	51771	0.82%	0.112%

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195	13.544	13.519	13.570	VV	8361	109258	1.74%	0.236%
196	13.606	13.570	13.625	VV	1641	46439	0.74%	0.100%
197	13.645	13.625	13.690	VV	2203	50170	0.80%	0.108%
198	13.737	13.690	13.755	VV	1579	37331	0.59%	0.081%
199	13.785	13.755	13.841	VV	2926	105313	1.68%	0.228%
200	13.921	13.841	13.953	VV	3668	135364	2.15%	0.293%
201	13.973	13.953	13.992	VV	2661	46751	0.74%	0.101%
202	14.029	13.992	14.054	VV	2076	66687	1.06%	0.144%
203	14.083	14.054	14.107	VV	2681	64647	1.03%	0.140%
204	14.132	14.107	14.151	VV	8249	111441	1.77%	0.241%
205	14.161	14.151	14.174	VV	3181	38939	0.62%	0.084%
206	14.189	14.174	14.219	VV	3750	71821	1.14%	0.155%
207	14.235	14.219	14.280	VV	2485	68377	1.09%	0.148%
208	14.290	14.280	14.309	VV	1393	18259	0.29%	0.039%
209	14.357	14.309	14.388	VV	3138	82654	1.31%	0.179%
210	14.397	14.388	14.411	VV	1636	19565	0.31%	0.042%
211	14.429	14.411	14.446	VV	1589	25229	0.40%	0.055%
212	14.466	14.446	14.477	VV	1047	16134	0.26%	0.035%
213	14.543	14.477	14.591	VV	3757	139869	2.23%	0.302%
214	14.614	14.591	14.670	VV	8472	185638	2.95%	0.401%
215	14.695	14.670	14.720	VV	9092	132488	2.11%	0.287%
216	14.761	14.720	14.786	VV	4056	104954	1.67%	0.227%
217	14.822	14.786	14.834	VV	2523	64092	1.02%	0.139%
218	14.851	14.834	14.874	VV	2514	51352	0.82%	0.111%
219	14.900	14.874	14.934	VV	4061	98169	1.56%	0.212%
220	14.949	14.934	14.993	VV	2489	73586	1.17%	0.159%
221	15.015	14.993	15.032	VV	2499	45331	0.72%	0.098%
222	15.045	15.032	15.077	VV	2320	53012	0.84%	0.115%
223	15.092	15.077	15.164	VV	2346	74139	1.18%	0.160%
224	15.238	15.164	15.357	VV	8950	420922	6.70%	0.910%
225	15.376	15.357	15.407	VV	2454	53413	0.85%	0.116%
226	15.433	15.407	15.469	VV	2314	65192	1.04%	0.141%
227	15.482	15.469	15.495	VV	1592	21729	0.35%	0.047%
228	15.509	15.495	15.519	VV	1813	21460	0.34%	0.046%
229	15.571	15.519	15.596	VV	2782	95597	1.52%	0.207%
230	15.627	15.596	15.701	VV	18822	426113	6.78%	0.922%
231	15.717	15.701	15.733	VV	2207	33585	0.53%	0.073%
232	15.759	15.733	15.800	VV	9342	172295	2.74%	0.373%
233	15.832	15.800	15.867	VV	5842	115621	1.84%	0.250%
234	15.896	15.867	15.921	VV	3444	64361	1.02%	0.139%
235	15.937	15.921	15.972	VV	2495	56467	0.90%	0.122%
236	15.986	15.972	16.009	VV	1597	31220	0.50%	0.068%
237	16.033	16.009	16.050	VV	1512	34297	0.55%	0.074%
238	16.085	16.050	16.121	VV	2271	72046	1.15%	0.156%
239	16.152	16.121	16.191	VV	2141	56864	0.90%	0.123%
240	16.226	16.191	16.240	VV	1893	42504	0.68%	0.092%
241	16.262	16.240	16.291	VV	7228	111093	1.77%	0.240%
242	16.323	16.291	16.380	VV	1605	52825	0.84%	0.114%
243	16.393	16.380	16.410	VV	771	7776	0.12%	0.017%
244	16.446	16.410	16.464	PV	1574	33003	0.53%	0.071%
245	16.485	16.464	16.496	VV	1503	22785	0.36%	0.049%
246	16.501	16.496	16.529	VV	1122	16644	0.26%	0.036%

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247	16.577	16.529	16.618	VV	2630	87918	1.40%	0.190%
248	16.644	16.618	16.687	VV	5572	128839	2.05%	0.279%
249	16.706	16.687	16.719	VV	2237	36358	0.58%	0.079%
250	16.746	16.719	16.768	VV	9701	141987	2.26%	0.307%
251	16.788	16.768	16.807	VV	5649	92046	1.46%	0.199%
252	16.821	16.807	16.884	VV	4978	89360	1.42%	0.193%
253	16.916	16.884	16.944	PV	1707	45380	0.72%	0.098%
254	16.961	16.944	17.004	VV	1168	17974	0.29%	0.039%
255	17.017	17.004	17.034	VV	374	2965	0.05%	0.006%
256	17.112	17.034	17.158	VV	3960	91924	1.46%	0.199%
257	17.181	17.158	17.193	PV	4550	61033	0.97%	0.132%
258	17.213	17.193	17.264	VV	7851	148457	2.36%	0.321%
259	17.294	17.264	17.318	VV	2020	37535	0.60%	0.081%
260	17.331	17.318	17.344	VV	807	8644	0.14%	0.019%
261	17.361	17.344	17.370	VV	756	8693	0.14%	0.019%
262	17.402	17.370	17.410	VV	1046	14899	0.24%	0.032%
263	17.461	17.410	17.491	VV	1977	60035	0.96%	0.130%
264	17.536	17.491	17.550	VV	2121	36908	0.59%	0.080%
265	17.592	17.550	17.621	VV	7230	163384	2.60%	0.353%
266	17.666	17.621	17.692	VV	11813	226145	3.60%	0.489%
267	17.701	17.692	17.731	VV	2341	36272	0.58%	0.078%
268	17.752	17.731	17.764	VV	1962	30099	0.48%	0.065%
269	17.785	17.764	17.815	VV	2118	50101	0.80%	0.108%
270	17.836	17.815	17.848	VV	1692	27198	0.43%	0.059%
271	17.877	17.848	17.909	VV	1589	41809	0.67%	0.090%
272	17.940	17.909	17.983	VV	1378	36830	0.59%	0.080%
273	18.032	17.983	18.060	VV	1834	57097	0.91%	0.123%
274	18.104	18.060	18.128	VV	7946	130564	2.08%	0.282%
275	18.140	18.128	18.163	VV	531	8351	0.13%	0.018%
276	18.196	18.163	18.221	PV	3892	65494	1.04%	0.142%
277	18.251	18.221	18.271	VV	5057	81935	1.30%	0.177%
278	18.277	18.271	18.319	VV	2348	37687	0.60%	0.082%
279	18.339	18.319	18.371	PV	1644	28303	0.45%	0.061%
280	18.430	18.371	18.446	VV	5011	88744	1.41%	0.192%
281	18.475	18.446	18.507	VV	12492	260323	4.14%	0.563%
282	18.529	18.507	18.554	VV	12048	188349	3.00%	0.407%
283	18.620	18.554	18.642	VV	6867	179762	2.86%	0.389%
284	18.650	18.642	18.673	VV	2008	28784	0.46%	0.062%
285	18.700	18.673	18.728	VV	1253	27822	0.44%	0.060%
286	18.822	18.728	18.861	VV	3500	99238	1.58%	0.215%
287	18.939	18.861	18.978	PV	7426	182866	2.91%	0.395%
288	19.010	18.978	19.032	VV	26363	359585	5.72%	0.778%
289	19.043	19.032	19.064	VV	6599	87257	1.39%	0.189%
290	19.094	19.064	19.116	VV	3071	66109	1.05%	0.143%
291	19.135	19.116	19.159	VV	2560	40811	0.65%	0.088%
292	19.209	19.159	19.217	PV	1598	31749	0.51%	0.069%
293	19.226	19.217	19.241	VV	1417	16655	0.26%	0.036%
294	19.308	19.241	19.323	VV	11683	239577	3.81%	0.518%
295	19.337	19.323	19.398	VV	11378	297768	4.74%	0.644%
296	19.447	19.398	19.461	VV	4658	136538	2.17%	0.295%
297	19.475	19.461	19.504	VV	4776	105480	1.68%	0.228%
298	19.526	19.504	19.551	VV	3865	95358	1.52%	0.206%
299	19.589	19.551	19.612	VV	4296	126621	2.01%	0.274%

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300	19.643	19.612	19.669	VV	4334	121529	1.93%	0.263%
301	19.726	19.669	19.741	VV	7363	196081	3.12%	0.424%
302	19.755	19.741	19.776	VV	8154	140985	2.24%	0.305%
303	19.797	19.776	19.817	VV	9062	171747	2.73%	0.371%
304	19.839	19.817	19.883	VV	8595	260549	4.14%	0.563%
305	19.911	19.883	19.937	VV	6789	186065	2.96%	0.402%
306	19.961	19.937	19.977	VV	5760	128861	2.05%	0.279%
307	20.020	19.977	20.037	VV	6767	220923	3.51%	0.478%
308	20.095	20.037	20.121	VV	12450	478232	7.61%	1.034%
309	20.141	20.121	20.191	VV	9967	371761	5.91%	0.804%
310	20.380	20.191	20.401	VV	12401	1291535	20.55%	2.793%
311	20.468	20.401	20.493	VV	14044	689633	10.97%	1.491%
312	20.592	20.493	20.602	VV	15295	902551	14.36%	1.952%
313	20.828	20.602	20.889	VV	19926	2934720	46.69%	6.347%
314	20.947	20.889	20.967	VV	18504	851613	13.55%	1.842%
315	21.039	20.967	21.112	VV	19786	1622426	25.81%	3.509%
316	21.155	21.112	21.191	VV	17435	809169	12.87%	1.750%
317	21.216	21.191	21.290	VV	16362	843633	13.42%	1.824%
318	21.309	21.290	21.344	VV	11971	378925	6.03%	0.819%
319	21.425	21.344	21.520	VV	11855	1161678	18.48%	2.512%
320	21.532	21.520	21.628	VV	9280	512781	8.16%	1.109%
321	21.641	21.628	21.694	VV	6878	252403	4.02%	0.546%
322	21.734	21.694	21.759	VV	6257	226171	3.60%	0.489%
323	21.773	21.759	21.805	VV	5562	141703	2.25%	0.306%
324	21.862	21.805	21.938	VV	4791	339556	5.40%	0.734%
325	21.950	21.938	21.968	VV	3468	57573	0.92%	0.125%
326	21.973	21.968	22.006	VV	3152	65439	1.04%	0.142%
327	22.012	22.006	22.051	VV	2493	56682	0.90%	0.123%
328	22.076	22.051	22.091	VV	1785	40307	0.64%	0.087%
329	22.101	22.091	22.118	VV	1417	22255	0.35%	0.048%
330	22.148	22.118	22.181	VV	2196	61807	0.98%	0.134%
331	22.189	22.181	22.198	VV	1115	10485	0.17%	0.023%
332	22.231	22.198	22.273	VV	1121	32985	0.52%	0.071%
333	22.282	22.273	22.288	VV	238	1071	0.02%	0.002%
Sum of corrected areas:					46241137			

Aliphatic EPH 112725.M Wed Dec 03 03:30:21 2025

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-18	SDG No.:	Q3742
Lab Sample ID:	Q3742-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	68.3
Sample Wt/Vol:	30.07 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 12/02/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	8.98		1	1.72	2.92	mg/kg	FE057130.D	12/02/25 18:57	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	8.10		1	1.33	5.84	mg/kg	FE057130.D	12/02/25 18:57	PB170789
Total AliphaticEPH	Total AliphaticEPH	17.1			3.05	8.76	mg/kg			
Total EPH	Total EPH	17.1			3.05	8.76	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-18	SDG No.:	Q3742
Lab Sample ID:	Q3742-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	68.3
Sample Wt/Vol:	30.07 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
	Prep Date	12/02/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	8.10	1		1.33	5.84	mg/kg	12/02/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	8.98	1		1.72	2.92	mg/kg	12/02/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	21.5			40 - 140	43%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	25.4			40 - 140	51%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3742-07	Acq On:	02 Dec 2025 18:57
Client Sample ID:	SB-1125-18	Operator:	YP\AJ
Data file:	FE057130.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	3.199	6.825	1514672	7.549	300	ug/ml
Aliphatic C12-C16	6.826	10.272	3220658	15.851	200	ug/ml
Aliphatic C16-C21	10.273	13.646	5047919	25.454	300	ug/ml
Aliphatic C21-C28	13.647	17.317	6815137	34.291	400	ug/ml
Aliphatic C28-C40	17.318	22.251	18430486	92.199	600	ug/ml
Aliphatic EPH	3.199	22.251	35028872	175.343		ug/ml
ortho-Terphenyl (SURR)	11.941	11.941	5584708	25.45		ug/ml
1-chlorooctadecane (SURR)	13.379	13.379	3583818	21.53		ug/ml
Aliphatic C9-C28	3.199	17.317	16598386	83.145	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057130.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 18:57
 Operator : YP\AJ
 Sample : Q3742-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 SB-1125-18

Integration File: autoint1.e
 Quant Time: Dec 03 00:51:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.941	5584708	25.450 ug/ml
Spiked Amount 50.000		Recovery =	50.90%
12) S 1-chlorooctadecane (S...	13.379	3583818	21.534 ug/ml
Spiked Amount 50.000		Recovery =	43.07%

Target Compounds

(f)=RT Delta > 1/2 Window

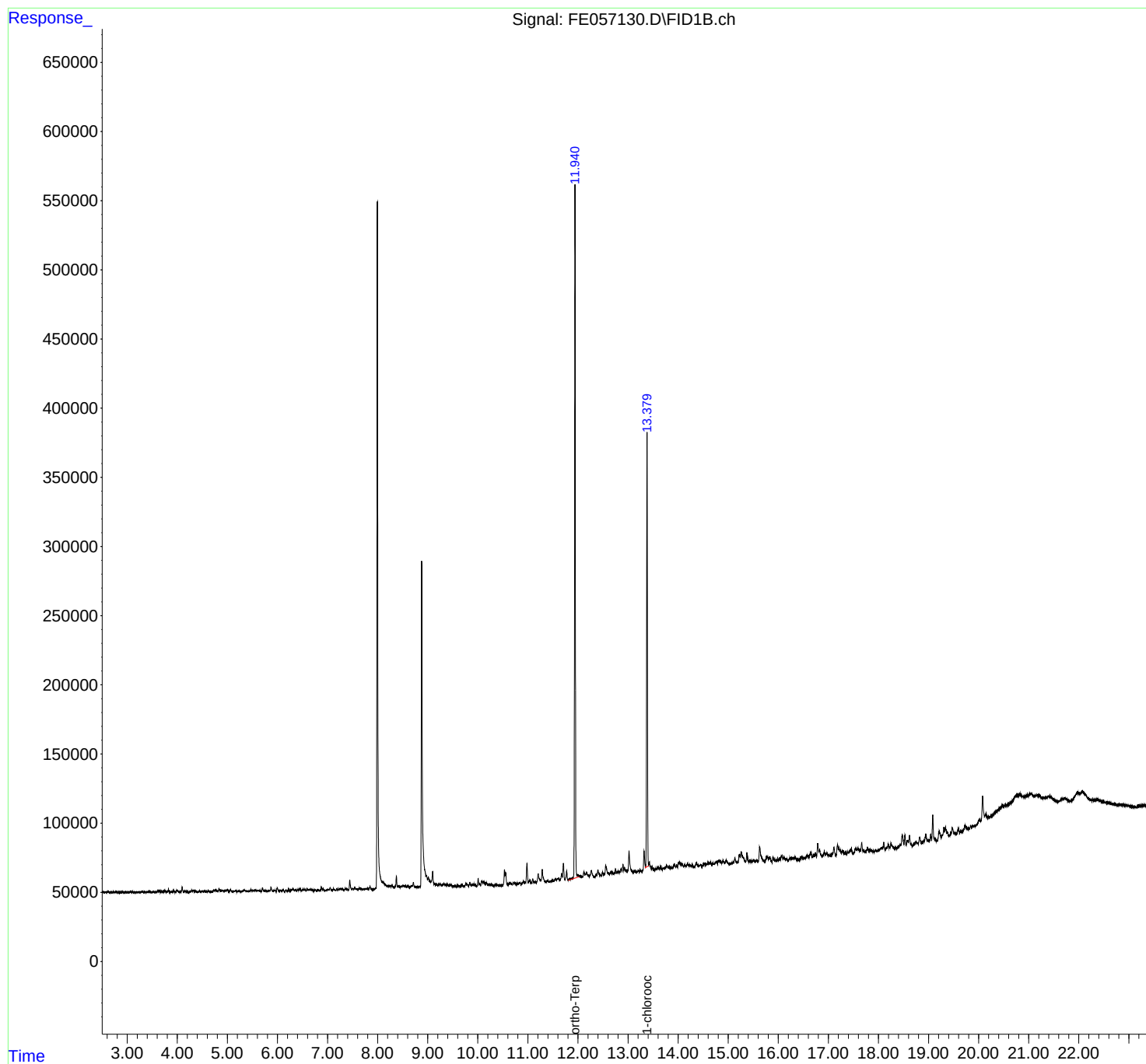
(m)=manual int.

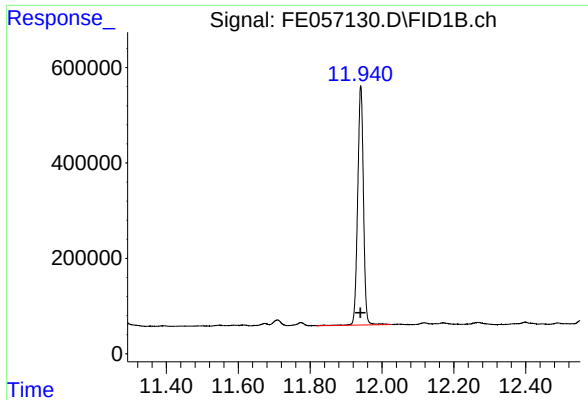
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057130.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 18:57
Operator : YP\AJ
Sample : Q3742-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
SB-1125-18

Integration File: autoint1.e
Quant Time: Dec 03 00:51:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

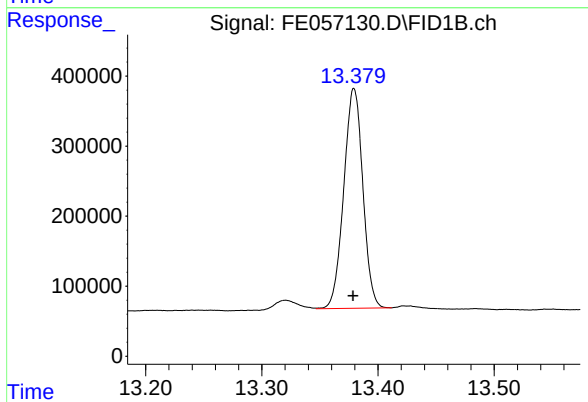




#9 ortho-Terphenyl (SURR)

R.T.: 11.941 min
Delta R.T.: 0.001 min
Response: 5584708
Conc: 25.45 ug/ml

Instrument :
FID_E
ClientSampleId :
SB-1125-18



#12 1-chlorooctadecane (SURR)

R.T.: 13.379 min
Delta R.T.: 0.000 min
Response: 3583818
Conc: 21.53 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057130.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 18:57
Sample : Q3742-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	2.585	2.541	2.593	BV	49	268	0.00%	0.001%
2	2.630	2.593	2.707	PV	299	4503	0.08%	0.010%
3	2.729	2.707	2.754	PV	382	5323	0.09%	0.012%
4	2.766	2.754	2.817	VV	134	3018	0.05%	0.007%
5	2.858	2.817	2.889	PV	137	3598	0.06%	0.008%
6	2.910	2.889	2.944	VV	265	4449	0.08%	0.010%
7	2.955	2.944	2.964	PV	124	1053	0.02%	0.002%
8	2.967	2.964	2.975	VV	116	543	0.01%	0.001%
9	2.986	2.975	3.044	VV	195	3496	0.06%	0.008%
10	3.074	3.044	3.091	VV	577	9764	0.17%	0.022%
11	3.100	3.091	3.128	VV	293	4249	0.08%	0.010%
12	3.137	3.128	3.203	PV	148	1890	0.03%	0.004%
13	3.220	3.203	3.231	VV	126	1033	0.02%	0.002%
14	3.310	3.231	3.394	VV	700	17532	0.31%	0.039%
15	3.436	3.394	3.448	PV	427	5340	0.10%	0.012%
16	3.465	3.448	3.488	VV	408	5628	0.10%	0.013%
17	3.506	3.488	3.518	VV	372	4595	0.08%	0.010%
18	3.535	3.518	3.561	VV	560	7798	0.14%	0.018%
19	3.574	3.561	3.591	VV	296	3441	0.06%	0.008%
20	3.607	3.591	3.632	VV	1117	16776	0.30%	0.038%
21	3.645	3.632	3.664	VV	1062	12786	0.23%	0.029%
22	3.685	3.664	3.705	VV	715	10581	0.19%	0.024%
23	3.739	3.705	3.783	VV	1490	30452	0.54%	0.069%
24	3.822	3.783	3.857	VV	1765	31303	0.56%	0.070%
25	3.879	3.857	3.901	VV	473	7825	0.14%	0.018%
26	3.927	3.901	3.955	VV	1407	16826	0.30%	0.038%
27	3.989	3.955	4.044	VV	1382	31112	0.55%	0.070%
28	4.098	4.044	4.136	VV	3885	54872	0.98%	0.123%
29	4.154	4.136	4.218	VV	1014	23156	0.41%	0.052%
30	4.288	4.218	4.302	VV	1422	25619	0.46%	0.058%
31	4.319	4.302	4.341	VV	1481	21521	0.38%	0.048%
32	4.360	4.341	4.401	VV	776	14942	0.27%	0.034%
33	4.440	4.401	4.461	PV	1121	16221	0.29%	0.036%
34	4.488	4.461	4.516	VV	739	16938	0.30%	0.038%
35	4.549	4.516	4.571	VV	585	16385	0.29%	0.037%
36	4.580	4.571	4.596	VV	388	4383	0.08%	0.010%

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37	4.617	4.596	4.659	VV	943	14623	0.26%	0.033%
38	4.678	4.659	4.687	VV	241	2370	0.04%	0.005%
39	4.726	4.687	4.744	VV	1129	21616	0.39%	0.049%
40	4.760	4.744	4.813	VV	1655	40516	0.72%	0.091%
41	4.832	4.813	4.845	VV	2621	28229	0.50%	0.064%
42	4.856	4.845	4.872	VV	1781	19636	0.35%	0.044%
43	4.892	4.872	4.933	VV	1293	33478	0.60%	0.075%
44	4.961	4.933	4.975	VV	1137	20000	0.36%	0.045%
45	4.991	4.975	5.000	VV	1775	20416	0.36%	0.046%
46	5.010	5.000	5.031	VV	1793	21904	0.39%	0.049%
47	5.061	5.031	5.098	VV	1847	34160	0.61%	0.077%
48	5.127	5.098	5.147	VV	688	14890	0.27%	0.033%
49	5.163	5.147	5.188	VV	1064	14209	0.25%	0.032%
50	5.232	5.188	5.248	PV	1087	17519	0.31%	0.039%
51	5.256	5.248	5.281	VV	556	6834	0.12%	0.015%
52	5.330	5.281	5.378	VV	1538	42559	0.76%	0.096%
53	5.385	5.378	5.405	VV	778	7522	0.13%	0.017%
54	5.434	5.405	5.447	VV	569	9733	0.17%	0.022%
55	5.468	5.447	5.482	VV	1715	22048	0.39%	0.050%
56	5.492	5.482	5.517	VV	1373	21749	0.39%	0.049%
57	5.530	5.517	5.545	VV	1202	15897	0.28%	0.036%
58	5.563	5.545	5.578	VV	1336	19648	0.35%	0.044%
59	5.592	5.578	5.618	VV	1203	21524	0.38%	0.048%
60	5.628	5.618	5.644	VV	886	11080	0.20%	0.025%
61	5.654	5.644	5.672	VV	636	7699	0.14%	0.017%
62	5.701	5.672	5.721	VV	2908	39713	0.71%	0.089%
63	5.734	5.721	5.751	VV	848	11674	0.21%	0.026%
64	5.764	5.751	5.796	VV	862	15572	0.28%	0.035%
65	5.817	5.796	5.830	VV	868	12071	0.22%	0.027%
66	5.872	5.830	5.908	VV	3299	58152	1.04%	0.131%
67	5.929	5.908	5.941	VV	763	13336	0.24%	0.030%
68	5.954	5.941	5.971	VV	966	11965	0.21%	0.027%
69	5.997	5.971	6.038	VV	2746	52201	0.93%	0.117%
70	6.057	6.038	6.087	VV	1076	20256	0.36%	0.046%
71	6.102	6.087	6.111	VV	1060	12480	0.22%	0.028%
72	6.119	6.111	6.144	VV	1068	11839	0.21%	0.027%
73	6.170	6.144	6.186	PV	1380	16438	0.29%	0.037%
74	6.221	6.186	6.241	VV	1598	27584	0.49%	0.062%
75	6.252	6.241	6.261	VV	653	7094	0.13%	0.016%
76	6.311	6.261	6.337	VV	1855	53928	0.96%	0.121%
77	6.361	6.337	6.389	VV	1266	31452	0.56%	0.071%
78	6.408	6.389	6.422	VV	1520	21560	0.38%	0.049%
79	6.452	6.422	6.488	VV	1441	38612	0.69%	0.087%
80	6.514	6.488	6.532	VV	1406	26176	0.47%	0.059%
81	6.548	6.532	6.575	VV	1373	25669	0.46%	0.058%
82	6.595	6.575	6.618	VV	1777	29258	0.52%	0.066%
83	6.642	6.618	6.657	VV	1290	25624	0.46%	0.058%
84	6.667	6.657	6.721	VV	1084	27716	0.49%	0.062%
85	6.757	6.721	6.775	VV	964	19039	0.34%	0.043%
86	6.785	6.775	6.793	VV	381	3619	0.06%	0.008%
87	6.811	6.793	6.836	VV	837	14720	0.26%	0.033%
88	6.876	6.836	6.898	VV	2590	44715	0.80%	0.101%
89	6.911	6.898	6.937	VV	1757	22462	0.40%	0.051%

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90	6.989	6.937	7.001	VV	736	17970	0.32%	0.040%
91	7.012	7.001	7.028	VV	747	10323	0.18%	0.023%
92	7.051	7.028	7.079	VV	2286	35684	0.64%	0.080%
93	7.089	7.079	7.101	VV	576	5552	0.10%	0.012%
94	7.118	7.101	7.164	VV	1183	22736	0.41%	0.051%
95	7.189	7.164	7.210	VV	1262	21322	0.38%	0.048%
96	7.228	7.210	7.241	VV	1214	16053	0.29%	0.036%
97	7.258	7.241	7.276	VV	1564	21487	0.38%	0.048%
98	7.295	7.276	7.325	VV	1400	23407	0.42%	0.053%
99	7.355	7.325	7.371	VV	1514	22098	0.39%	0.050%
100	7.387	7.371	7.420	VV	845	17807	0.32%	0.040%
101	7.444	7.420	7.482	VV	7491	103948	1.85%	0.234%
102	7.499	7.482	7.524	VV	1218	23461	0.42%	0.053%
103	7.546	7.524	7.564	VV	2471	34501	0.62%	0.078%
104	7.574	7.564	7.606	VV	981	18720	0.33%	0.042%
105	7.633	7.606	7.664	VV	1492	32090	0.57%	0.072%
106	7.676	7.664	7.698	VV	1025	15217	0.27%	0.034%
107	7.725	7.698	7.744	VV	862	18456	0.33%	0.042%
108	7.761	7.744	7.776	VV	1014	14010	0.25%	0.032%
109	7.803	7.776	7.818	VV	1106	19300	0.34%	0.043%
110	7.848	7.818	7.876	VV	2577	43557	0.78%	0.098%
111	7.895	7.876	7.917	VV	465	7204	0.13%	0.016%
112	7.935	7.917	7.943	PV	624	5918	0.11%	0.013%
113	8.104	8.089	8.172	VV	5878	213778	3.81%	0.481%
114	8.182	8.172	8.222	VV	2806	76027	1.36%	0.171%
115	8.249	8.222	8.268	VV	2698	65438	1.17%	0.147%
116	8.286	8.268	8.330	VV	2999	77846	1.39%	0.175%
117	8.374	8.330	8.401	VV	9439	148787	2.65%	0.335%
118	8.425	8.401	8.449	VV	2455	53093	0.95%	0.119%
119	8.465	8.449	8.480	VV	2249	31726	0.57%	0.071%
120	8.498	8.480	8.538	VV	2655	69809	1.25%	0.157%
121	8.554	8.538	8.588	VV	2467	52798	0.94%	0.119%
122	8.603	8.588	8.628	VV	2307	38156	0.68%	0.086%
123	8.677	8.628	8.690	VV	1910	56018	1.00%	0.126%
124	8.714	8.690	8.759	VV	4479	84690	1.51%	0.191%
125	8.776	8.759	8.792	VV	1321	21453	0.38%	0.048%
126	8.807	8.792	8.824	VV	1342	21386	0.38%	0.048%
127	9.013	8.998	9.037	VV	8083	149359	2.66%	0.336%
128	9.049	9.037	9.064	VV	4923	75800	1.35%	0.171%
129	9.098	9.064	9.126	VV	12028	237721	4.24%	0.535%
130	9.135	9.126	9.157	VV	2960	50015	0.89%	0.113%
131	9.175	9.157	9.196	VV	3155	56552	1.01%	0.127%
132	9.219	9.196	9.234	VV	2765	53840	0.96%	0.121%
133	9.247	9.234	9.270	VV	3081	51982	0.93%	0.117%
134	9.322	9.270	9.370	VV	2568	122868	2.19%	0.276%
135	9.392	9.370	9.423	VV	2537	62052	1.11%	0.140%
136	9.437	9.423	9.452	VV	1832	27619	0.49%	0.062%
137	9.469	9.452	9.495	VV	1970	34602	0.62%	0.078%
138	9.515	9.495	9.531	VV	1010	16431	0.29%	0.037%
139	9.547	9.531	9.573	VV	1400	20398	0.36%	0.046%
140	9.593	9.573	9.608	VV	1490	19631	0.35%	0.044%
141	9.621	9.608	9.654	VV	998	19576	0.35%	0.044%

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142	9.689	9.654	9.715	VV	1755	40070	0.71%	0.090%
143	9.760	9.715	9.814	VV	2465	81209	1.45%	0.183%
144	9.841	9.814	9.870	VV	2791	57277	1.02%	0.129%
145	9.893	9.870	9.906	VV	1386	25335	0.45%	0.057%
146	9.924	9.906	9.970	VV	2154	44021	0.79%	0.099%
147	10.008	9.970	10.026	VV	5763	68757	1.23%	0.155%
148	10.039	10.026	10.056	VV	2536	30249	0.54%	0.068%
149	10.080	10.056	10.101	VV	3843	71916	1.28%	0.162%
150	10.123	10.101	10.155	VV	3529	85490	1.52%	0.192%
151	10.171	10.155	10.204	VV	2504	51796	0.92%	0.117%
152	10.225	10.204	10.261	VV	1304	37089	0.66%	0.083%
153	10.274	10.261	10.319	VV	1227	24512	0.44%	0.055%
154	10.348	10.319	10.364	PV	708	13283	0.24%	0.030%
155	10.376	10.364	10.388	VV	810	10336	0.18%	0.023%
156	10.402	10.388	10.427	VV	873	11736	0.21%	0.026%
157	10.446	10.427	10.466	PV	724	7945	0.14%	0.018%
158	10.488	10.466	10.497	PV	384	4240	0.08%	0.010%
159	10.534	10.497	10.546	VV	11562	141381	2.52%	0.318%
160	10.557	10.546	10.588	VV	9353	126890	2.26%	0.285%
161	10.599	10.588	10.608	VV	820	8273	0.15%	0.019%
162	10.646	10.608	10.685	VV	1211	45283	0.81%	0.102%
163	10.708	10.685	10.722	VV	2008	25466	0.45%	0.057%
164	10.737	10.722	10.761	VV	1672	22584	0.40%	0.051%
165	10.786	10.761	10.818	VV	830	21782	0.39%	0.049%
166	10.839	10.818	10.864	VV	1430	22817	0.41%	0.051%
167	10.911	10.864	10.930	VV	1974	40589	0.72%	0.091%
168	10.946	10.930	10.953	VV	1096	13161	0.23%	0.030%
169	10.982	10.953	11.012	VV	14820	213011	3.80%	0.479%
170	11.040	11.012	11.067	VV	2660	45689	0.81%	0.103%
171	11.098	11.067	11.130	VV	3260	46262	0.83%	0.104%
172	11.146	11.130	11.168	VV	1138	17063	0.30%	0.038%
173	11.206	11.168	11.258	VV	6730	154033	2.75%	0.347%
174	11.287	11.258	11.343	VV	9563	180598	3.22%	0.406%
175	11.358	11.343	11.373	VV	582	7663	0.14%	0.017%
176	11.394	11.373	11.416	VV	1313	17360	0.31%	0.039%
177	11.499	11.416	11.518	PV	731	25823	0.46%	0.058%
178	11.547	11.518	11.568	VV	1964	34590	0.62%	0.078%
179	11.589	11.568	11.602	VV	1962	30262	0.54%	0.068%
180	11.615	11.602	11.634	VV	2170	29783	0.53%	0.067%
181	11.674	11.634	11.687	VV	5299	80330	1.43%	0.181%
182	11.709	11.687	11.738	VV	12456	192268	3.43%	0.433%
183	11.774	11.738	11.801	VV	6880	101418	1.81%	0.228%
184	11.839	11.801	11.854	VV	1088	20102	0.36%	0.045%
185	11.877	11.854	11.888	VV	1390	20683	0.37%	0.047%
186	11.941	11.888	11.986	VV	504589	5606385	100.00%	12.613%
187	11.999	11.986	12.028	VV	3428	71978	1.28%	0.162%
188	12.048	12.028	12.074	VV	2589	59305	1.06%	0.133%
189	12.118	12.074	12.141	VV	5312	122814	2.19%	0.276%
190	12.170	12.141	12.224	VV	5024	154115	2.75%	0.347%
191	12.267	12.224	12.314	VV	5671	160341	2.86%	0.361%
192	12.399	12.314	12.436	VV	5736	181416	3.24%	0.408%
193	12.447	12.436	12.464	VV	1973	27686	0.49%	0.062%
194	12.489	12.464	12.524	VV	3701	85444	1.52%	0.192%

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195	12.554	12.524	12.634	VV	8238	265540	4.74%	0.597%
196	12.667	12.634	12.704	VV	3611	119850	2.14%	0.270%
197	12.749	12.704	12.770	VV	5472	120019	2.14%	0.270%
198	12.817	12.770	12.837	VV	3156	115588	2.06%	0.260%
199	12.861	12.837	12.878	VV	5195	95974	1.71%	0.216%
200	12.899	12.878	12.917	VV	7914	125735	2.24%	0.283%
201	12.931	12.917	12.951	VV	5629	92058	1.64%	0.207%
202	12.962	12.951	12.982	VV	3718	58724	1.05%	0.132%
203	13.020	12.982	13.100	VV	17152	422503	7.54%	0.951%
204	13.138	13.100	13.160	VV	2597	75470	1.35%	0.170%
205	13.209	13.160	13.220	VV	2668	72897	1.30%	0.164%
206	13.244	13.220	13.271	VV	2603	71546	1.28%	0.161%
207	13.321	13.271	13.347	VV	16566	315128	5.62%	0.709%
208	13.379	13.347	13.411	VV	318899	3772684	67.29%	8.487%
209	13.425	13.411	13.464	VV	8021	182896	3.26%	0.411%
210	13.484	13.464	13.530	VV	4174	125484	2.24%	0.282%
211	13.548	13.530	13.567	VV	3030	58725	1.05%	0.132%
212	13.588	13.567	13.627	VV	3845	109467	1.95%	0.246%
213	13.647	13.627	13.678	VV	4104	93053	1.66%	0.209%
214	13.711	13.678	13.721	VV	3072	63374	1.13%	0.143%
215	13.773	13.721	13.798	VV	4580	159093	2.84%	0.358%
216	13.817	13.798	13.841	VV	3724	81281	1.45%	0.183%
217	13.858	13.841	13.876	VV	2861	53297	0.95%	0.120%
218	13.924	13.876	13.953	VV	5170	168558	3.01%	0.379%
219	13.971	13.953	13.987	VV	4003	71210	1.27%	0.160%
220	14.016	13.987	14.059	VV	6142	221292	3.95%	0.498%
221	14.069	14.059	14.108	VV	4409	113119	2.02%	0.254%
222	14.129	14.108	14.148	VV	4214	83846	1.50%	0.189%
223	14.159	14.148	14.164	VV	3355	30252	0.54%	0.068%
224	14.191	14.164	14.224	VV	5095	132779	2.37%	0.299%
225	14.242	14.224	14.260	VV	3366	64846	1.16%	0.146%
226	14.277	14.260	14.324	VV	3228	98456	1.76%	0.221%
227	14.369	14.324	14.427	VV	4792	187606	3.35%	0.422%
228	14.455	14.427	14.475	VV	2936	72603	1.30%	0.163%
229	14.517	14.475	14.545	VV	3675	125983	2.25%	0.283%
230	14.602	14.545	14.631	VV	3972	167771	2.99%	0.377%
231	14.646	14.631	14.674	VV	4217	84356	1.50%	0.190%
232	14.693	14.674	14.707	VV	3731	56544	1.01%	0.127%
233	14.762	14.707	14.784	VV	4738	159537	2.85%	0.359%
234	14.802	14.784	14.811	VV	4459	65106	1.16%	0.146%
235	14.822	14.811	14.871	VV	5082	141862	2.53%	0.319%
236	14.896	14.871	14.938	VV	4357	139628	2.49%	0.314%
237	14.960	14.938	15.022	VV	4883	161075	2.87%	0.362%
238	15.031	15.022	15.042	VV	2181	22780	0.41%	0.051%
239	15.134	15.042	15.178	VV	5919	241759	4.31%	0.544%
240	15.220	15.178	15.241	VV	8176	185518	3.31%	0.417%
241	15.259	15.241	15.347	VV	9831	373916	6.67%	0.841%
242	15.374	15.347	15.412	VV	8617	180629	3.22%	0.406%
243	15.436	15.412	15.451	VV	2931	57638	1.03%	0.130%
244	15.470	15.451	15.481	VV	2675	42698	0.76%	0.096%
245	15.517	15.481	15.551	VV	2892	98730	1.76%	0.222%
246	15.572	15.551	15.597	VV	2860	62164	1.11%	0.140%

					rteres			
247	15.628	15.597	15.731	VV	12037	387096	6.90%	0.871%
248	15.780	15.731	15.811	VV	4602	157808	2.81%	0.355%
249	15.833	15.811	15.874	VV	4647	98243	1.75%	0.221%
250	15.894	15.874	15.938	VV	4177	90433	1.61%	0.203%
251	15.945	15.938	15.966	VV	2081	26893	0.48%	0.061%
252	15.987	15.966	16.003	VV	2299	39791	0.71%	0.090%
253	16.025	16.003	16.036	VV	3240	42760	0.76%	0.096%
254	16.069	16.036	16.098	VV	4092	117867	2.10%	0.265%
255	16.116	16.098	16.138	VV	3461	60243	1.07%	0.136%
256	16.150	16.138	16.164	VV	2089	27162	0.48%	0.061%
257	16.173	16.164	16.196	VV	1568	21935	0.39%	0.049%
258	16.234	16.196	16.251	VV	2505	55703	0.99%	0.125%
259	16.262	16.251	16.276	VV	2504	30046	0.54%	0.068%
260	16.296	16.276	16.309	VV	2190	36889	0.66%	0.083%
261	16.338	16.309	16.381	VV	2568	62020	1.11%	0.140%
262	16.395	16.381	16.404	PV	875	7788	0.14%	0.018%
263	16.412	16.404	16.427	VV	678	6704	0.12%	0.015%
264	16.451	16.427	16.532	VV	2657	89374	1.59%	0.201%
265	16.578	16.532	16.613	VV	3040	98016	1.75%	0.221%
266	16.648	16.613	16.683	VV	4571	122264	2.18%	0.275%
267	16.707	16.683	16.725	VV	3491	57992	1.03%	0.130%
268	16.746	16.725	16.768	VV	4065	68429	1.22%	0.154%
269	16.788	16.768	16.811	VV	10479	177270	3.16%	0.399%
270	16.823	16.811	16.879	VV	5900	133364	2.38%	0.300%
271	16.921	16.879	16.954	VV	3889	108539	1.94%	0.244%
272	16.966	16.954	17.002	VV	2776	58345	1.04%	0.131%
273	17.016	17.002	17.029	VV	1502	17271	0.31%	0.039%
274	17.111	17.029	17.144	VV	6820	172795	3.08%	0.389%
275	17.182	17.144	17.198	VV	8175	132324	2.36%	0.298%
276	17.208	17.198	17.254	VV	5937	143707	2.56%	0.323%
277	17.272	17.254	17.281	VV	3208	44502	0.79%	0.100%
278	17.296	17.281	17.323	VV	3213	59205	1.06%	0.133%
279	17.339	17.323	17.370	VV	1802	40870	0.73%	0.092%
280	17.388	17.370	17.397	VV	2192	23521	0.42%	0.053%
281	17.461	17.397	17.498	VV	4149	132293	2.36%	0.298%
282	17.550	17.498	17.574	VV	4057	114745	2.05%	0.258%
283	17.593	17.574	17.617	VV	3777	80815	1.44%	0.182%
284	17.633	17.617	17.646	VV	2668	42071	0.75%	0.095%
285	17.666	17.646	17.696	VV	7810	122489	2.18%	0.276%
286	17.706	17.696	17.725	VV	1983	22982	0.41%	0.052%
287	17.741	17.725	17.754	VV	1058	15430	0.28%	0.035%
288	17.781	17.754	17.820	VV	3823	84378	1.51%	0.190%
289	17.843	17.820	17.858	VV	1823	30580	0.55%	0.069%
290	17.869	17.858	17.888	VV	1350	14271	0.25%	0.032%
291	17.894	17.888	17.923	VV	578	4044	0.07%	0.009%
292	17.938	17.923	17.955	PV	1201	12488	0.22%	0.028%
293	17.965	17.955	17.978	VV	593	6059	0.11%	0.014%
294	18.009	17.978	18.018	VV	1243	16815	0.30%	0.038%
295	18.052	18.018	18.064	VV	2238	46289	0.83%	0.104%
296	18.106	18.064	18.134	VV	6009	117073	2.09%	0.263%
297	18.195	18.134	18.221	VV	4133	101911	1.82%	0.229%
298	18.250	18.221	18.321	VV	4610	134091	2.39%	0.302%
299	18.337	18.321	18.364	VV	976	17004	0.30%	0.038%

					rteres			
300	18.388	18.364	18.398	PV	1495	18650	0.33%	0.042%
301	18.474	18.398	18.507	VV	8980	253434	4.52%	0.570%
302	18.529	18.507	18.551	VV	8599	134013	2.39%	0.301%
303	18.575	18.551	18.597	VV	4506	97569	1.74%	0.220%
304	18.619	18.597	18.679	VV	8052	147676	2.63%	0.332%
305	18.711	18.679	18.722	VV	1521	20643	0.37%	0.046%
306	18.749	18.722	18.796	VV	2605	67696	1.21%	0.152%
307	18.822	18.796	18.864	VV	4973	108570	1.94%	0.244%
308	18.906	18.864	18.913	VV	1789	36594	0.65%	0.082%
309	18.945	18.913	19.014	VV	6402	168826	3.01%	0.380%
310	19.042	19.014	19.059	VV	5496	77505	1.38%	0.174%
311	19.084	19.059	19.158	VV	19566	303941	5.42%	0.684%
312	19.214	19.158	19.251	PV	7006	168491	3.01%	0.379%
313	19.305	19.251	19.321	VV	8523	184244	3.29%	0.414%
314	19.339	19.321	19.371	VV	8002	179150	3.20%	0.403%
315	19.376	19.371	19.405	VV	4362	58656	1.05%	0.132%
316	19.478	19.405	19.561	VV	6123	256918	4.58%	0.578%
317	19.594	19.561	19.627	VV	4765	116709	2.08%	0.263%
318	19.637	19.627	19.651	VV	2570	33405	0.60%	0.075%
319	19.664	19.651	19.681	VV	2286	37928	0.68%	0.085%
320	19.726	19.681	19.745	VV	6130	150609	2.69%	0.339%
321	19.760	19.745	19.781	VV	4509	79362	1.42%	0.179%
322	19.803	19.781	19.820	VV	3174	67351	1.20%	0.152%
323	19.840	19.820	19.864	VV	4587	97779	1.74%	0.220%
324	19.882	19.864	19.906	VV	4337	97070	1.73%	0.218%
325	19.956	19.906	19.970	VV	4599	153480	2.74%	0.345%
326	20.014	19.970	20.040	VV	7403	261802	4.67%	0.589%
327	20.080	20.040	20.118	VV	23109	603590	10.77%	1.358%
328	20.146	20.118	20.181	VV	10065	335380	5.98%	0.755%
329	20.198	20.181	20.213	VV	7551	142073	2.53%	0.320%
330	20.425	20.213	20.444	VV	12127	1329793	23.72%	2.992%
331	20.468	20.444	20.497	VV	13777	403045	7.19%	0.907%
332	20.512	20.497	20.520	VV	12932	176997	3.16%	0.398%
333	20.773	20.520	20.783	VV	18094	2338549	41.71%	5.261%
334	20.798	20.783	20.807	VV	17862	252259	4.50%	0.568%
335	20.824	20.807	20.875	VV	18596	703352	12.55%	1.582%
336	20.887	20.875	20.918	VV	16313	404283	7.21%	0.910%
337	20.969	20.918	20.994	VV	16259	726731	12.96%	1.635%
338	21.051	20.994	21.098	VV	16675	985986	17.59%	2.218%
339	21.126	21.098	21.145	VV	14367	397582	7.09%	0.894%
340	21.172	21.145	21.197	VV	14314	442618	7.89%	0.996%
341	21.214	21.197	21.282	VV	14316	634878	11.32%	1.428%
342	21.293	21.282	21.321	VV	11175	260646	4.65%	0.586%
343	21.410	21.321	21.594	VV	11126	1482403	26.44%	3.335%
344	21.719	21.594	21.816	VV	7119	796733	14.21%	1.792%
345	21.976	21.816	22.024	VV	8936	777597	13.87%	1.749%
346	22.064	22.024	22.274	VV	8380	677701	12.09%	1.525%
			Sum of corrected areas:			44450107		

Aliphatic EPH 112725.M Wed Dec 03 03:30:53 2025

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-20	SDG No.:	Q3742
Lab Sample ID:	Q3742-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.4
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/02/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	9.49		1	1.47	2.49	mg/kg	FE057131.D	12/02/25 19:27	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	13.2		1	1.13	4.97	mg/kg	FE057131.D	12/02/25 19:27	PB170789
Total AliphaticEPH	Total AliphaticEPH	22.7			2.60	7.46	mg/kg			
Total EPH	Total EPH	22.7			2.60	7.46	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-20	SDG No.:	Q3742
Lab Sample ID:	Q3742-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.4
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL
Prep Method :		Prep Date	12/02/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	13.2	1		1.13	4.97	mg/kg	12/02/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	9.49	1		1.47	2.49	mg/kg	12/02/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	22.2			40 - 140	44%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	22.6			40 - 140	45%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3742-08	Acq On:	02 Dec 2025 19:27
Client Sample ID:	SB-1125-20	Operator:	YP\AJ
Data file:	FE057131.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	3.199	6.825	1298721	6.472	300	ug/ml
Aliphatic C12-C16	6.826	10.272	2923998	14.391	200	ug/ml
Aliphatic C16-C21	10.273	13.646	11521022	58.094	300	ug/ml
Aliphatic C21-C28	13.647	17.317	15900181	80.002	400	ug/ml
Aliphatic C28-C40	17.318	22.251	22900949	114.562	600	ug/ml
Aliphatic EPH	3.199	22.251	54544871	273.522		ug/ml
ortho-Terphenyl (SURR)	11.941	11.941	4963529	22.62		ug/ml
1-chlorooctadecane (SURR)	13.379	13.379	3695837	22.21		ug/ml
Aliphatic C9-C28	3.199	17.317	31643922	158.959	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057131.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 19:27
Operator : YP\AJ
Sample : Q3742-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
SB-1125-20

Integration File: autoint1.e
Quant Time: Dec 03 00:51:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.941	4963529	22.619 ug/ml
Spiked Amount 50.000		Recovery =	45.24%
12) S 1-chlorooctadecane (S...	13.379	3695837	22.207 ug/ml
Spiked Amount 50.000		Recovery =	44.41%

Target Compounds

(f)=RT Delta > 1/2 Window

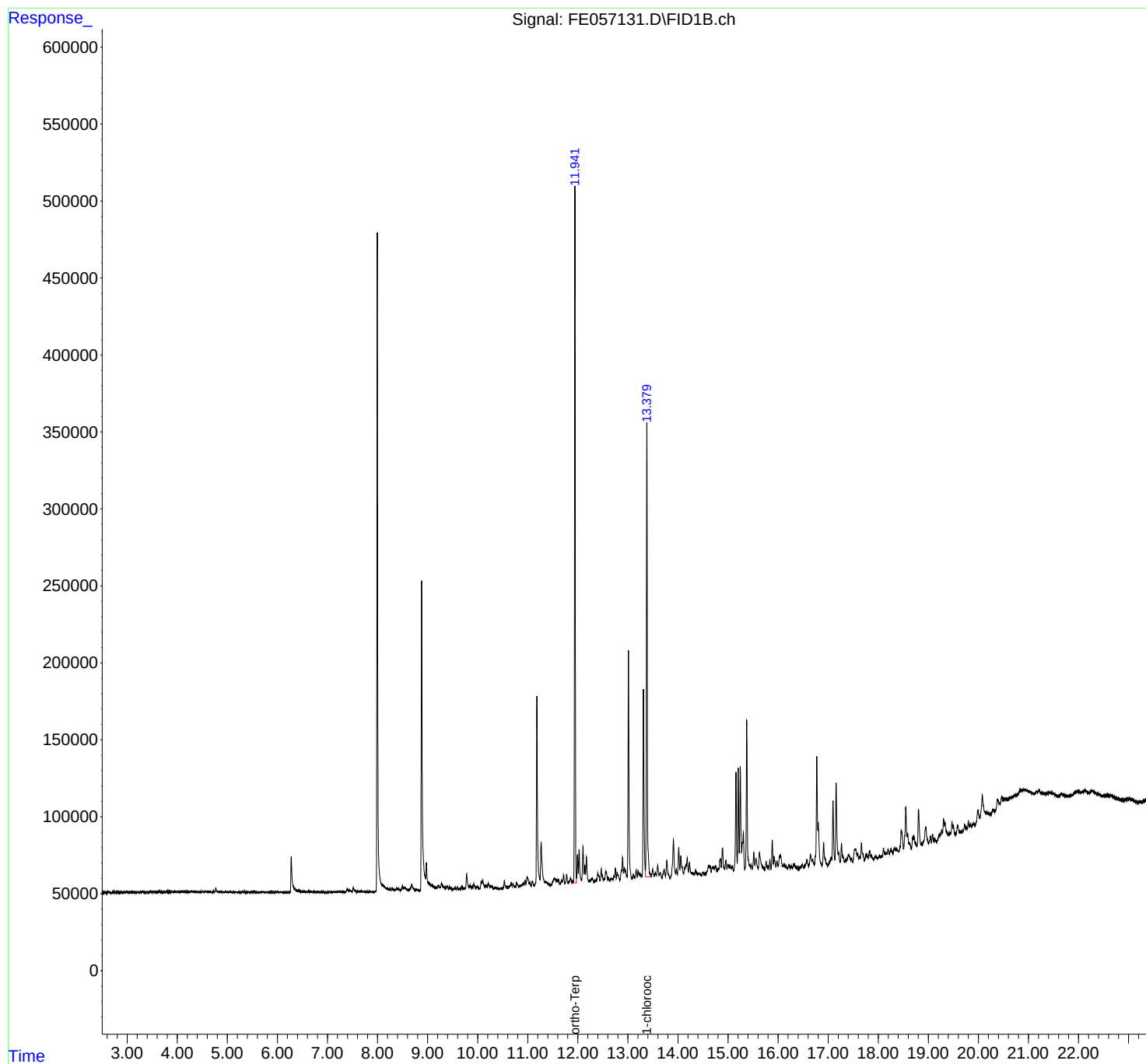
(m)=manual int.

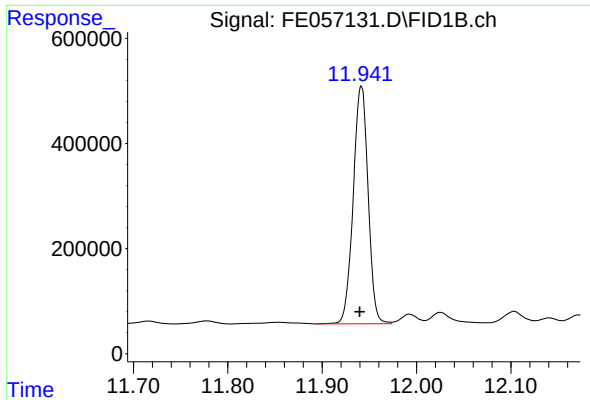
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057131.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 19:27
Operator : YP\AJ
Sample : Q3742-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
SB-1125-20

Integration File: autoint1.e
Quant Time: Dec 03 00:51:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

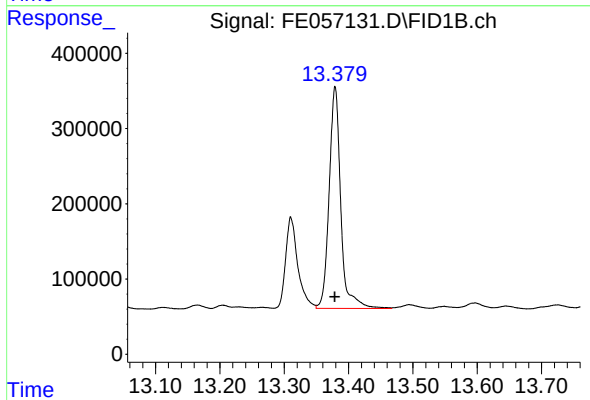




#9 ortho-Terphenyl (SURR)

R.T.: 11.941 min
Delta R.T.: 0.002 min
Response: 4963529
Conc: 22.62 ug/ml

Instrument :
FID_E
ClientSampleId :
SB-1125-20



#12 1-chlorooctadecane (SURR)

R.T.: 13.379 min
Delta R.T.: 0.000 min
Response: 3695837
Conc: 22.21 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057131.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 19:27
Sample : Q3742-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	2.546	2.524	2.561	BV	100	1032	0.02%	0.002%
2	2.616	2.561	2.665	VV	262	7246	0.14%	0.011%
3	2.737	2.665	2.786	VV	636	18753	0.38%	0.029%
4	2.795	2.786	2.802	VV	215	2081	0.04%	0.003%
5	2.808	2.802	2.817	VV	240	1956	0.04%	0.003%
6	2.831	2.817	2.842	VV	320	3625	0.07%	0.006%
7	2.847	2.842	2.861	VV	273	2510	0.05%	0.004%
8	2.872	2.861	2.891	VV	242	3567	0.07%	0.006%
9	2.998	2.891	3.055	VV	491	25513	0.51%	0.040%
10	3.070	3.055	3.178	VV	349	18941	0.38%	0.030%
11	3.217	3.178	3.254	VV	384	12114	0.24%	0.019%
12	3.266	3.254	3.271	VV	267	2535	0.05%	0.004%
13	3.309	3.271	3.334	VV	517	14539	0.29%	0.023%
14	3.340	3.334	3.379	VV	333	7585	0.15%	0.012%
15	3.506	3.379	3.569	VV	533	42088	0.84%	0.066%
16	3.578	3.569	3.591	VV	382	4525	0.09%	0.007%
17	3.611	3.591	3.629	VV	610	11351	0.23%	0.018%
18	3.646	3.629	3.671	VV	933	14929	0.30%	0.023%
19	3.684	3.671	3.724	VV	455	13047	0.26%	0.020%
20	3.738	3.724	3.765	VV	593	11649	0.23%	0.018%
21	3.799	3.765	3.867	VV	672	31062	0.62%	0.049%
22	3.884	3.867	3.898	VV	507	8245	0.16%	0.013%
23	3.928	3.898	3.952	VV	623	15865	0.32%	0.025%
24	3.986	3.952	4.031	VV	691	22538	0.45%	0.035%
25	4.087	4.031	4.108	VV	680	22408	0.45%	0.035%
26	4.121	4.108	4.144	VV	572	11493	0.23%	0.018%
27	4.151	4.144	4.173	VV	590	8232	0.16%	0.013%
28	4.191	4.173	4.225	VV	625	15462	0.31%	0.024%
29	4.286	4.225	4.311	VV	701	25390	0.51%	0.040%
30	4.317	4.311	4.338	VV	590	8332	0.17%	0.013%
31	4.365	4.338	4.407	VV	546	17833	0.36%	0.028%
32	4.441	4.407	4.470	VV	474	15779	0.32%	0.025%
33	4.492	4.470	4.528	VV	527	14917	0.30%	0.023%
34	4.552	4.528	4.584	VV	682	17295	0.35%	0.027%
35	4.596	4.584	4.617	VV	503	9152	0.18%	0.014%
36	4.627	4.617	4.650	VV	492	8152	0.16%	0.013%

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37	4.666	4.650	4.694	VV	648	12391	0.25%	0.019%
38	4.716	4.694	4.747	VV	605	16293	0.33%	0.026%
39	4.770	4.747	4.817	VV	3128	51393	1.03%	0.080%
40	4.831	4.817	4.876	VV	730	17939	0.36%	0.028%
41	4.887	4.876	4.930	VV	413	12276	0.25%	0.019%
42	4.958	4.930	4.981	VV	398	10561	0.21%	0.017%
43	4.988	4.981	5.038	VV	401	11708	0.23%	0.018%
44	5.062	5.038	5.104	VV	547	13690	0.27%	0.021%
45	5.120	5.104	5.154	VV	327	8132	0.16%	0.013%
46	5.162	5.154	5.182	VV	289	3700	0.07%	0.006%
47	5.198	5.182	5.214	VV	229	3641	0.07%	0.006%
48	5.231	5.214	5.248	VV	327	5078	0.10%	0.008%
49	5.262	5.248	5.281	VV	297	4110	0.08%	0.006%
50	5.304	5.281	5.344	VV	430	12122	0.24%	0.019%
51	5.355	5.344	5.414	VV	310	9349	0.19%	0.015%
52	5.432	5.414	5.444	VV	219	3084	0.06%	0.005%
53	5.468	5.444	5.482	VV	295	5062	0.10%	0.008%
54	5.494	5.482	5.519	VV	239	5001	0.10%	0.008%
55	5.531	5.519	5.541	VV	262	3681	0.07%	0.006%
56	5.556	5.541	5.620	VV	454	12983	0.26%	0.020%
57	5.633	5.620	5.671	VV	229	5577	0.11%	0.009%
58	5.692	5.671	5.721	VV	660	12157	0.24%	0.019%
59	5.730	5.721	5.797	VV	362	9911	0.20%	0.016%
60	5.816	5.797	5.828	VV	219	2949	0.06%	0.005%
61	5.855	5.828	5.868	VV	395	6174	0.12%	0.010%
62	5.878	5.868	5.946	VV	400	10702	0.21%	0.017%
63	5.991	5.946	6.078	VV	471	20913	0.42%	0.033%
64	6.084	6.078	6.154	VV	207	6132	0.12%	0.010%
65	6.168	6.154	6.200	VV	198	3698	0.07%	0.006%
66	6.219	6.200	6.243	PV	365	4385	0.09%	0.007%
67	6.276	6.243	6.421	VV	23052	490495	9.82%	0.768%
68	6.428	6.421	6.494	VV	1268	36794	0.74%	0.058%
69	6.505	6.494	6.584	VV	727	28681	0.57%	0.045%
70	6.621	6.584	6.651	VV	630	18498	0.37%	0.029%
71	6.667	6.651	6.703	VV	442	11852	0.24%	0.019%
72	6.725	6.703	6.781	VV	544	14345	0.29%	0.022%
73	6.789	6.781	6.794	VV	175	1225	0.02%	0.002%
74	6.808	6.794	6.837	VV	290	5522	0.11%	0.009%
75	6.851	6.837	6.860	VV	307	3203	0.06%	0.005%
76	6.875	6.860	6.894	VV	626	7419	0.15%	0.012%
77	6.910	6.894	6.939	VV	548	6795	0.14%	0.011%
78	6.951	6.939	6.964	PV	140	1400	0.03%	0.002%
79	6.978	6.964	7.001	VV	151	1937	0.04%	0.003%
80	7.051	7.001	7.074	VV	269	6741	0.13%	0.011%
81	7.089	7.074	7.103	VV	183	2143	0.04%	0.003%
82	7.134	7.103	7.211	VV	329	14343	0.29%	0.022%
83	7.235	7.211	7.278	VV	429	13612	0.27%	0.021%
84	7.294	7.278	7.329	VV	460	8559	0.17%	0.013%
85	7.347	7.329	7.365	VV	296	5129	0.10%	0.008%
86	7.393	7.365	7.427	VV	1698	41622	0.83%	0.065%
87	7.445	7.427	7.488	VV	1421	32923	0.66%	0.052%
88	7.517	7.488	7.602	VV	2839	77036	1.54%	0.121%
89	7.619	7.602	7.644	VV	529	11396	0.23%	0.018%

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90	7.674	7.644	7.701	VV	821	17019	0.34%	0.027%
91	7.712	7.701	7.745	VV	312	6836	0.14%	0.011%
92	7.760	7.745	7.784	VV	333	4936	0.10%	0.008%
93	7.804	7.784	7.821	VV	306	4906	0.10%	0.008%
94	7.850	7.821	7.881	VV	411	8353	0.17%	0.013%
95	7.896	7.881	7.921	VV	111	1582	0.03%	0.002%
96	8.248	8.227	8.266	VV	1693	37251	0.75%	0.058%
97	8.289	8.266	8.334	VV	2185	64734	1.30%	0.101%
98	8.397	8.334	8.468	VV	1970	110007	2.20%	0.172%
99	8.496	8.468	8.514	VV	3936	63649	1.27%	0.100%
100	8.527	8.514	8.545	VV	2754	43583	0.87%	0.068%
101	8.555	8.545	8.628	VV	2237	62217	1.24%	0.097%
102	8.684	8.628	8.754	VV	4562	144855	2.90%	0.227%
103	8.773	8.754	8.793	VV	1384	21713	0.43%	0.034%
104	8.807	8.793	8.832	VV	827	13793	0.28%	0.022%
105	8.842	8.832	8.854	VV	336	3983	0.08%	0.006%
106	8.975	8.955	9.028	VV	18337	394179	7.89%	0.617%
107	9.038	9.028	9.068	VV	4810	100590	2.01%	0.157%
108	9.079	9.068	9.089	VV	3573	43270	0.87%	0.068%
109	9.098	9.089	9.160	VV	3519	108840	2.18%	0.170%
110	9.173	9.160	9.185	VV	1892	26857	0.54%	0.042%
111	9.220	9.185	9.243	VV	3366	90253	1.81%	0.141%
112	9.276	9.243	9.364	VV	4426	189490	3.79%	0.297%
113	9.391	9.364	9.418	VV	2902	63746	1.28%	0.100%
114	9.436	9.418	9.501	VV	2096	60366	1.21%	0.094%
115	9.514	9.501	9.526	VV	678	8992	0.18%	0.014%
116	9.549	9.526	9.571	VV	2007	31147	0.62%	0.049%
117	9.590	9.571	9.631	VV	1711	34995	0.70%	0.055%
118	9.686	9.631	9.717	VV	1913	54991	1.10%	0.086%
119	9.733	9.717	9.748	VV	1167	16685	0.33%	0.026%
120	9.779	9.748	9.830	VV	9889	207946	4.16%	0.325%
121	9.849	9.830	9.875	VV	2896	54594	1.09%	0.085%
122	9.895	9.875	9.905	VV	2189	30154	0.60%	0.047%
123	9.925	9.905	9.965	VV	3663	82592	1.65%	0.129%
124	9.985	9.965	10.033	VV	1846	49236	0.99%	0.077%
125	10.071	10.033	10.087	VV	5257	91117	1.82%	0.143%
126	10.102	10.087	10.154	VV	5956	140749	2.82%	0.220%
127	10.170	10.154	10.188	VV	2941	44900	0.90%	0.070%
128	10.210	10.188	10.252	VV	3644	97115	1.94%	0.152%
129	10.268	10.252	10.325	VV	1882	57519	1.15%	0.090%
130	10.364	10.325	10.428	VV	996	36279	0.73%	0.057%
131	10.449	10.428	10.461	PV	301	3451	0.07%	0.005%
132	10.486	10.461	10.498	VV	318	4355	0.09%	0.007%
133	10.533	10.498	10.589	VV	5381	96781	1.94%	0.151%
134	10.668	10.589	10.688	VV	3354	91107	1.82%	0.143%
135	10.706	10.688	10.752	VV	3076	63036	1.26%	0.099%
136	10.778	10.752	10.819	VV	3551	76725	1.54%	0.120%
137	10.837	10.819	10.857	VV	1541	26570	0.53%	0.042%
138	10.882	10.857	10.894	VV	1665	31572	0.63%	0.049%
139	10.911	10.894	10.927	VV	3183	45122	0.90%	0.071%
140	10.946	10.927	10.962	VV	4660	61727	1.24%	0.097%
141	10.988	10.962	11.028	VV	6475	173597	3.47%	0.272%

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142	11.040	11.028	11.066	VV	2893	45966	0.92%	0.072%
143	11.093	11.066	11.132	VV	3027	76752	1.54%	0.120%
144	11.183	11.132	11.243	VV	123468	1710756	34.23%	2.678%
145	11.267	11.243	11.346	VV	27950	657298	13.15%	1.029%
146	11.363	11.346	11.469	VV	2799	102364	2.05%	0.160%
147	11.526	11.469	11.568	VV	4413	174142	3.48%	0.273%
148	11.584	11.568	11.600	VV	3574	56136	1.12%	0.088%
149	11.615	11.600	11.639	VV	3672	52339	1.05%	0.082%
150	11.675	11.639	11.690	VV	3210	56938	1.14%	0.089%
151	11.716	11.690	11.743	VV	6436	108903	2.18%	0.170%
152	11.778	11.743	11.804	VV	6605	112706	2.26%	0.176%
153	11.854	11.804	11.894	VV	3826	116362	2.33%	0.182%
154	11.941	11.894	11.972	VV	453718	4997353	100.00%	7.822%
155	11.993	11.972	12.008	VV	19091	242946	4.86%	0.380%
156	12.025	12.008	12.072	VV	22423	362377	7.25%	0.567%
157	12.103	12.072	12.126	VV	24206	378027	7.56%	0.592%
158	12.141	12.126	12.154	VV	11589	150728	3.02%	0.236%
159	12.172	12.154	12.231	VV	17046	299899	6.00%	0.469%
160	12.287	12.231	12.317	VV	3403	97598	1.95%	0.153%
161	12.398	12.317	12.442	VV	6366	192626	3.85%	0.301%
162	12.467	12.442	12.511	VV	8563	176807	3.54%	0.277%
163	12.556	12.511	12.596	VV	6686	192112	3.84%	0.301%
164	12.611	12.596	12.634	VV	2820	44370	0.89%	0.069%
165	12.662	12.634	12.681	VV	2113	46184	0.92%	0.072%
166	12.691	12.681	12.700	VV	1607	15880	0.32%	0.025%
167	12.719	12.700	12.727	VV	2939	35253	0.71%	0.055%
168	12.750	12.727	12.769	VV	8446	126783	2.54%	0.198%
169	12.786	12.769	12.838	VV	5734	134578	2.69%	0.211%
170	12.893	12.838	12.913	VV	15358	317369	6.35%	0.497%
171	12.929	12.913	12.946	VV	8638	136027	2.72%	0.213%
172	12.955	12.946	12.984	VV	6897	106513	2.13%	0.167%
173	13.011	12.984	13.089	VV	149530	1989085	39.80%	3.113%
174	13.112	13.089	13.138	VV	3489	66759	1.34%	0.104%
175	13.165	13.138	13.186	VV	6412	112051	2.24%	0.175%
176	13.205	13.186	13.251	VV	6241	151049	3.02%	0.236%
177	13.265	13.251	13.284	VV	3262	55659	1.11%	0.087%
178	13.311	13.284	13.350	VV	121682	1662557	33.27%	2.602%
179	13.379	13.350	13.467	VV	295263	3803436	76.11%	5.953%
180	13.495	13.467	13.527	VV	6347	133900	2.68%	0.210%
181	13.548	13.527	13.568	VV	3917	70613	1.41%	0.111%
182	13.596	13.568	13.626	VV	8540	167956	3.36%	0.263%
183	13.645	13.626	13.679	VV	4199	74332	1.49%	0.116%
184	13.724	13.679	13.754	VV	5488	134621	2.69%	0.211%
185	13.778	13.754	13.848	VV	11329	219859	4.40%	0.344%
186	13.910	13.848	13.952	PV	24525	527195	10.55%	0.825%
187	13.969	13.952	13.987	VV	5092	72111	1.44%	0.113%
188	14.016	13.987	14.039	VV	19159	300890	6.02%	0.471%
189	14.057	14.039	14.114	VV	13639	313774	6.28%	0.491%
190	14.184	14.114	14.210	VV	12230	382865	7.66%	0.599%
191	14.230	14.210	14.271	VV	8723	172696	3.46%	0.270%
192	14.288	14.271	14.327	VV	2173	55706	1.11%	0.087%
193	14.349	14.327	14.401	VV	3664	90630	1.81%	0.142%
194	14.415	14.401	14.431	VV	1554	23496	0.47%	0.037%

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195	14.447	14.431	14.470	VV	1474	20631	0.41%	0.032%
196	14.498	14.470	14.535	VV	2058	45036	0.90%	0.070%
197	14.549	14.535	14.556	VV	887	10410	0.21%	0.016%
198	14.611	14.556	14.633	VV	6358	175229	3.51%	0.274%
199	14.645	14.633	14.664	VV	5525	79002	1.58%	0.124%
200	14.692	14.664	14.709	VV	5012	112987	2.26%	0.177%
201	14.752	14.709	14.776	VV	5667	176414	3.53%	0.276%
202	14.803	14.776	14.814	VV	4031	70893	1.42%	0.111%
203	14.846	14.814	14.865	VV	10121	218857	4.38%	0.343%
204	14.889	14.865	14.930	VV	16878	351936	7.04%	0.551%
205	14.957	14.930	14.978	VV	8820	167597	3.35%	0.262%
206	14.999	14.978	15.018	VV	6130	118255	2.37%	0.185%
207	15.035	15.018	15.069	VV	5390	130862	2.62%	0.205%
208	15.085	15.069	15.109	VV	4817	87363	1.75%	0.137%
209	15.158	15.109	15.182	VV	65410	955487	19.12%	1.495%
210	15.203	15.182	15.223	VV	68371	859812	17.21%	1.346%
211	15.244	15.223	15.272	VV	67902	1057982	21.17%	1.656%
212	15.305	15.272	15.335	VV	26044	585313	11.71%	0.916%
213	15.374	15.335	15.447	VV	97707	1504186	30.10%	2.354%
214	15.461	15.447	15.479	VV	4819	67977	1.36%	0.106%
215	15.514	15.479	15.535	VV	12661	223342	4.47%	0.350%
216	15.557	15.535	15.599	VV	8578	208920	4.18%	0.327%
217	15.628	15.599	15.684	VV	12191	330546	6.61%	0.517%
218	15.699	15.684	15.733	VV	2744	64067	1.28%	0.100%
219	15.761	15.733	15.782	VV	6177	101603	2.03%	0.159%
220	15.795	15.782	15.812	VV	3235	46779	0.94%	0.073%
221	15.835	15.812	15.856	VV	7132	102527	2.05%	0.160%
222	15.883	15.856	15.906	VV	19887	284098	5.68%	0.445%
223	15.922	15.906	15.958	VV	9029	174061	3.48%	0.272%
224	15.975	15.958	16.003	VV	5603	111527	2.23%	0.175%
225	16.028	16.003	16.039	VV	8940	143178	2.87%	0.224%
226	16.049	16.039	16.094	VV	9135	194752	3.90%	0.305%
227	16.119	16.094	16.142	VV	3829	85768	1.72%	0.134%
228	16.157	16.142	16.188	VV	2617	48712	0.97%	0.076%
229	16.211	16.188	16.247	VV	3172	61112	1.22%	0.096%
230	16.265	16.247	16.287	VV	2222	34690	0.69%	0.054%
231	16.326	16.287	16.368	VV	3318	92538	1.85%	0.145%
232	16.384	16.368	16.406	VV	1184	13891	0.28%	0.022%
233	16.483	16.406	16.509	PV	2254	65629	1.31%	0.103%
234	16.578	16.509	16.606	VV	5240	146297	2.93%	0.229%
235	16.648	16.606	16.677	VV	8370	199854	4.00%	0.313%
236	16.689	16.677	16.722	VV	5413	100244	2.01%	0.157%
237	16.773	16.722	16.874	VV	70253	1583178	31.68%	2.478%
238	16.910	16.874	16.991	VV	15586	324437	6.49%	0.508%
239	17.055	16.991	17.071	PV	5274	132868	2.66%	0.208%
240	17.097	17.071	17.134	VV	41287	647893	12.96%	1.014%
241	17.159	17.134	17.241	VV	53035	1007958	20.17%	1.578%
242	17.267	17.241	17.324	VV	13089	279640	5.60%	0.438%
243	17.344	17.324	17.358	VV	2071	36468	0.73%	0.057%
244	17.405	17.358	17.448	VV	5621	200521	4.01%	0.314%
245	17.460	17.448	17.484	VV	3184	43655	0.87%	0.068%
246	17.548	17.484	17.579	VV	8719	325356	6.51%	0.509%

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247	17.591	17.579	17.618	VV	4997	89179	1.78%	0.140%
248	17.628	17.618	17.640	VV	3157	39209	0.78%	0.061%
249	17.665	17.640	17.726	VV	12148	263621	5.28%	0.413%
250	17.758	17.726	17.801	VV	4393	126443	2.53%	0.198%
251	17.824	17.801	17.912	VV	6243	181192	3.63%	0.284%
252	17.960	17.912	17.985	PV	2055	55526	1.11%	0.087%
253	18.020	17.985	18.034	VV	1802	26523	0.53%	0.042%
254	18.044	18.034	18.053	VV	820	8523	0.17%	0.013%
255	18.068	18.053	18.080	VV	1047	12419	0.25%	0.019%
256	18.105	18.080	18.149	VV	5763	119375	2.39%	0.187%
257	18.196	18.149	18.216	VV	4690	98763	1.98%	0.155%
258	18.253	18.216	18.298	VV	3792	108067	2.16%	0.169%
259	18.331	18.298	18.354	VV	3513	96554	1.93%	0.151%
260	18.367	18.354	18.411	VV	2689	61790	1.24%	0.097%
261	18.463	18.411	18.506	VV	14074	393231	7.87%	0.615%
262	18.550	18.506	18.575	VV	28099	577789	11.56%	0.904%
263	18.587	18.575	18.661	VV	11008	264794	5.30%	0.414%
264	18.687	18.661	18.700	VV	7820	112248	2.25%	0.176%
265	18.713	18.700	18.773	VV	7945	186250	3.73%	0.292%
266	18.804	18.773	18.858	VV	24398	474268	9.49%	0.742%
267	18.875	18.858	18.886	VV	2218	31056	0.62%	0.049%
268	18.949	18.886	19.005	VV	11958	383494	7.67%	0.600%
269	19.042	19.005	19.062	VV	4882	93203	1.87%	0.146%
270	19.083	19.062	19.109	VV	6013	95410	1.91%	0.149%
271	19.133	19.109	19.170	VV	2060	55262	1.11%	0.086%
272	19.217	19.170	19.230	VV	4200	97765	1.96%	0.153%
273	19.268	19.230	19.284	VV	6746	166814	3.34%	0.261%
274	19.306	19.284	19.321	VV	13510	229502	4.59%	0.359%
275	19.333	19.321	19.404	VV	11007	307306	6.15%	0.481%
276	19.438	19.404	19.447	VV	3764	86657	1.73%	0.136%
277	19.473	19.447	19.491	VV	10121	185542	3.71%	0.290%
278	19.500	19.491	19.534	VV	7499	128727	2.58%	0.201%
279	19.587	19.534	19.627	VV	7210	219315	4.39%	0.343%
280	19.651	19.627	19.671	VV	2643	67086	1.34%	0.105%
281	19.724	19.671	19.774	VV	6767	242336	4.85%	0.379%
282	19.798	19.774	19.819	VV	7726	143547	2.87%	0.225%
283	19.838	19.819	19.856	VV	5794	110569	2.21%	0.173%
284	19.908	19.856	19.932	VV	5674	219389	4.39%	0.343%
285	19.988	19.932	20.030	VV	13436	512048	10.25%	0.801%
286	20.079	20.030	20.151	VV	22338	998822	19.99%	1.563%
287	20.165	20.151	20.188	VV	10519	221360	4.43%	0.346%
288	20.197	20.188	20.224	VV	9781	205404	4.11%	0.321%
289	20.291	20.224	20.328	VV	10904	602017	12.05%	0.942%
290	20.388	20.328	20.431	VV	17023	826926	16.55%	1.294%
291	20.468	20.431	20.494	VV	17896	605887	12.12%	0.948%
292	20.518	20.494	20.539	VV	16480	423428	8.47%	0.663%
293	20.556	20.539	20.564	VV	15634	235864	4.72%	0.369%
294	20.587	20.564	20.604	VV	15532	365612	7.32%	0.572%
295	20.638	20.604	20.647	VV	16011	396683	7.94%	0.621%
296	20.729	20.647	20.761	VV	16603	1093529	21.88%	1.712%
297	20.829	20.761	20.849	VV	19128	924723	18.50%	1.447%
298	20.886	20.849	20.894	VV	18735	499088	9.99%	0.781%
299	20.943	20.894	21.017	VV	18513	1285857	25.73%	2.013%

					rteres			
300	21.028	21.017	21.108	VV	16265	816833	16.35%	1.278%
301	21.160	21.108	21.187	VV	15007	685819	13.72%	1.073%
302	21.213	21.187	21.254	VV	15532	588720	11.78%	0.921%
303	21.263	21.254	21.301	VV	13303	357362	7.15%	0.559%
304	21.310	21.301	21.324	VV	12369	169621	3.39%	0.265%
305	21.417	21.324	21.464	VV	12148	997762	19.97%	1.562%
306	21.472	21.464	21.608	VV	11375	809145	16.19%	1.266%
307	21.656	21.608	21.701	VV	8809	461956	9.24%	0.723%
308	21.709	21.701	21.797	VV	7991	396604	7.94%	0.621%
309	21.832	21.797	21.858	VV	6455	231302	4.63%	0.362%
310	21.983	21.858	22.048	VV	7900	794294	15.89%	1.243%
311	22.124	22.048	22.174	VV	6949	475022	9.51%	0.743%
312	22.187	22.174	22.228	VV	5261	154517	3.09%	0.242%
313	22.279	22.228	22.368	VV	5465	362313	7.25%	0.567%
314	22.378	22.368	22.482	VV	2413	97742	1.96%	0.153%
					Sum of corrected areas:	63890933		

Aliphatic EPH 112725.M Wed Dec 03 03:31:51 2025

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-22	SDG No.:	Q3742
Lab Sample ID:	Q3742-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	72.8
Sample Wt/Vol:	30.06 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/02/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	6.56		1	1.62	2.74	mg/kg	FE057132.D	12/02/25 19:58	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	2.52	J	1	1.25	5.48	mg/kg	FE057132.D	12/02/25 19:58	PB170789
Total AliphaticEPH	Total AliphaticEPH	9.09			2.87	8.22	mg/kg			
Total EPH	Total EPH	9.09			2.87	8.22	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-22	SDG No.:	Q3742
Lab Sample ID:	Q3742-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	72.8
Sample Wt/Vol:	30.06 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
	Prep Date	12/02/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	2.52	J	1	1.25	5.48	mg/kg	12/02/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	6.56		1	1.62	2.74	mg/kg	12/02/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	24.8			40 - 140	50%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.6			40 - 140	57%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3742-09	Acq On:	02 Dec 2025 19:58
Client Sample ID:	SB-1125-22	Operator:	YP\AJ
Data file:	FE057132.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	3.199	6.825	1098865	5.476	300	ug/ml
Aliphatic C12-C16	6.826	10.272	702178	3.456	200	ug/ml
Aliphatic C16-C21	10.273	13.646	1344092	6.778	300	ug/ml
Aliphatic C21-C28	13.647	17.317	2375130	11.951	400	ug/ml
Aliphatic C28-C40	17.318	22.251	14350519	71.789	600	ug/ml
Aliphatic EPH	3.199	22.251	19870784	99.449		ug/ml
ortho-Terphenyl (SURR)	11.941	11.941	6279414	28.62		ug/ml
1-chlorooctadecane (SURR)	13.379	13.379	4118625	24.75		ug/ml
Aliphatic C9-C28	3.199	17.317	5520265	27.661	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057132.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 19:58
Operator : YP\AJ
Sample : Q3742-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
SB-1125-22

Integration File: autoint1.e
Quant Time: Dec 03 00:51:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.941	6279414	28.615 ug/ml
Spiked Amount	50.000	Recovery	= 57.23%
12) S 1-chlorooctadecane (S...	13.379	4118625	24.747 ug/ml
Spiked Amount	50.000	Recovery	= 49.49%

Target Compounds

(f)=RT Delta > 1/2 Window

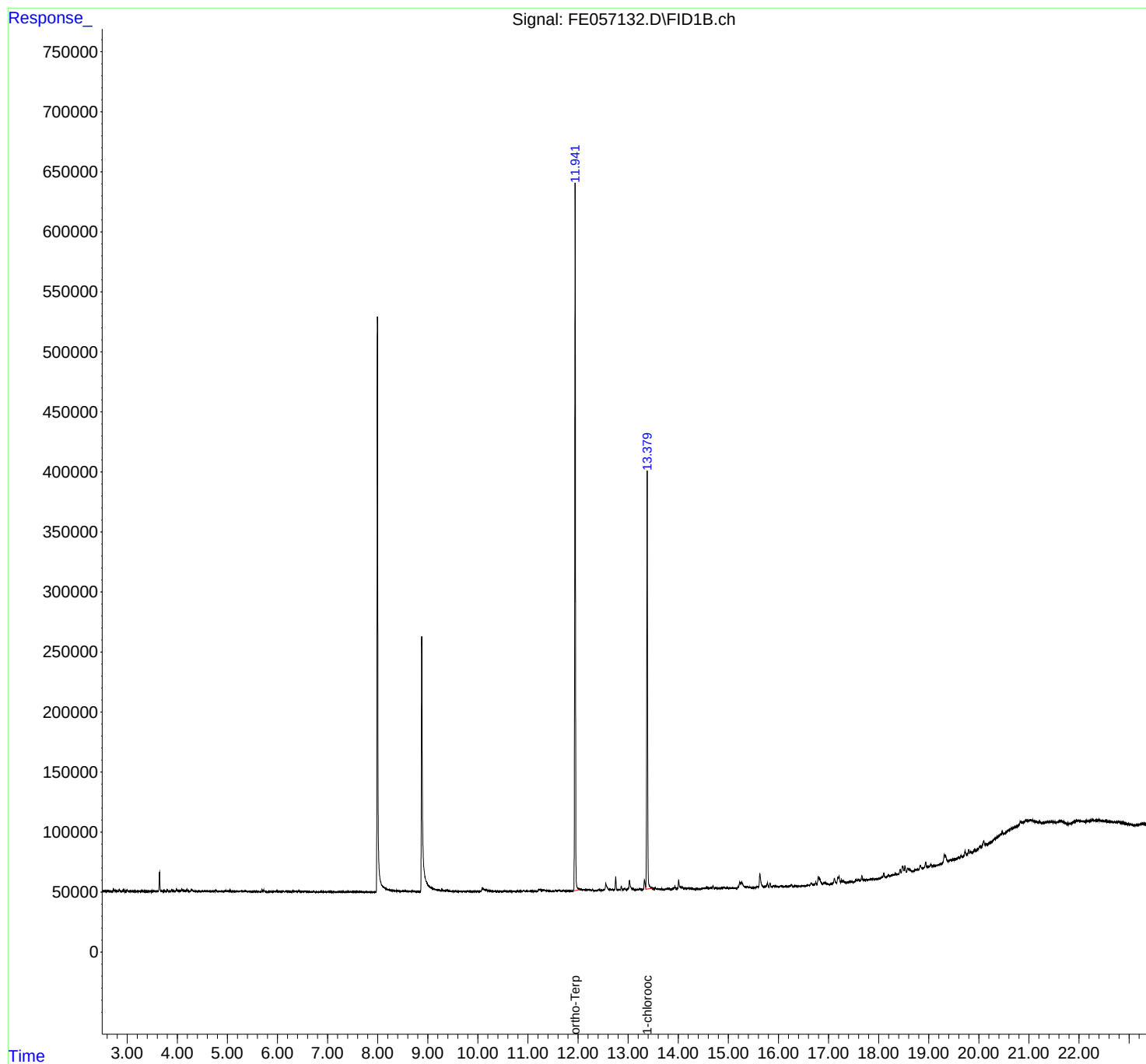
(m)=manual int.

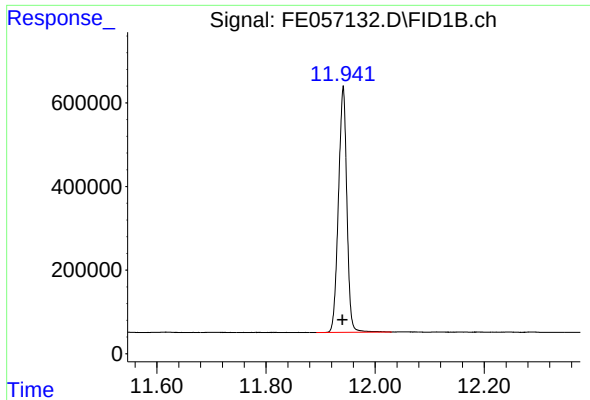
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057132.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 19:58
Operator : YP\AJ
Sample : Q3742-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
SB-1125-22

Integration File: autoint1.e
Quant Time: Dec 03 00:51:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

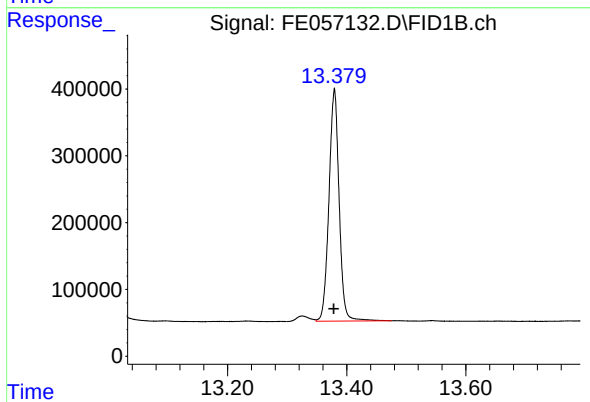




#9 ortho-Terphenyl (SURR)

R.T.: 11.941 min
Delta R.T.: 0.001 min
Response: 6279414
Conc: 28.62 ug/ml

Instrument :
FID_E
ClientSampleId :
SB-1125-22



#12 1-chlorooctadecane (SURR)

R.T.: 13.379 min
Delta R.T.: 0.000 min
Response: 4118625
Conc: 24.75 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057132.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 19:58
 Sample : Q3742-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	2.574	2.524	2.583	BV	28	-328	-0.01%	-0.001%
2	2.615	2.583	2.651	PV	333	6761	0.11%	0.022%
3	2.659	2.651	2.697	VV	94	2338	0.04%	0.008%
4	2.728	2.697	2.778	PV	1581	38054	0.60%	0.124%
5	2.794	2.778	2.813	VV	510	8533	0.13%	0.028%
6	2.843	2.813	2.894	VV	1288	26911	0.43%	0.088%
7	2.930	2.894	2.974	VV	1389	24273	0.38%	0.079%
8	2.997	2.974	3.054	VV	1199	24437	0.39%	0.080%
9	3.077	3.054	3.091	VV	356	6191	0.10%	0.020%
10	3.111	3.091	3.152	VV	315	7479	0.12%	0.024%
11	3.162	3.152	3.221	VV	216	6033	0.10%	0.020%
12	3.294	3.221	3.332	VV	922	22817	0.36%	0.074%
13	3.342	3.332	3.362	VV	230	3320	0.05%	0.011%
14	3.373	3.362	3.394	VV	187	3158	0.05%	0.010%
15	3.412	3.394	3.420	VV	293	3752	0.06%	0.012%
16	3.463	3.420	3.481	VV	367	10301	0.16%	0.034%
17	3.501	3.481	3.521	VV	511	8812	0.14%	0.029%
18	3.534	3.521	3.568	VV	501	9738	0.15%	0.032%
19	3.575	3.568	3.586	VV	281	2456	0.04%	0.008%
20	3.646	3.586	3.672	VV	16113	175818	2.78%	0.574%
21	3.682	3.672	3.716	VV	720	12005	0.19%	0.039%
22	3.739	3.716	3.774	VV	883	16025	0.25%	0.052%
23	3.799	3.774	3.835	VV	874	21000	0.33%	0.069%
24	3.853	3.835	3.870	VV	627	10430	0.16%	0.034%
25	3.889	3.870	3.960	VV	974	35116	0.55%	0.115%
26	3.985	3.960	4.029	VV	2090	41963	0.66%	0.137%
27	4.038	4.029	4.045	VV	380	3395	0.05%	0.011%
28	4.089	4.045	4.107	VV	2041	35996	0.57%	0.117%
29	4.121	4.107	4.144	VV	1246	19078	0.30%	0.062%
30	4.154	4.144	4.174	VV	615	9098	0.14%	0.030%
31	4.194	4.174	4.234	VV	1888	29820	0.47%	0.097%
32	4.239	4.234	4.249	VV	427	3018	0.05%	0.010%
33	4.283	4.249	4.333	VV	2054	45442	0.72%	0.148%
34	4.343	4.333	4.425	VV	541	20700	0.33%	0.068%
35	4.442	4.425	4.465	VV	415	8574	0.14%	0.028%
36	4.489	4.465	4.530	VV	551	14752	0.23%	0.048%

					rteres			
37	4.550	4.530	4.578	VV	1041	16443	0.26%	0.054%
38	4.595	4.578	4.650	VV	1062	24894	0.39%	0.081%
39	4.668	4.650	4.698	VV	569	11811	0.19%	0.039%
40	4.727	4.698	4.750	VV	528	13308	0.21%	0.043%
41	4.771	4.750	4.816	VV	1451	26669	0.42%	0.087%
42	4.832	4.816	4.846	VV	483	6394	0.10%	0.021%
43	4.864	4.846	4.878	VV	402	6521	0.10%	0.021%
44	4.888	4.878	4.919	VV	429	8570	0.14%	0.028%
45	4.971	4.919	5.000	VV	972	24997	0.39%	0.082%
46	5.017	5.000	5.028	VV	489	7987	0.13%	0.026%
47	5.057	5.028	5.096	VV	1546	29420	0.46%	0.096%
48	5.103	5.096	5.113	VV	313	3159	0.05%	0.010%
49	5.138	5.113	5.175	VV	533	13410	0.21%	0.044%
50	5.191	5.175	5.206	VV	517	6187	0.10%	0.020%
51	5.226	5.206	5.241	VV	423	6126	0.10%	0.020%
52	5.262	5.241	5.294	VV	888	19087	0.30%	0.062%
53	5.303	5.294	5.334	VV	752	12874	0.20%	0.042%
54	5.348	5.334	5.358	VV	748	8449	0.13%	0.028%
55	5.367	5.358	5.416	VV	704	13442	0.21%	0.044%
56	5.445	5.416	5.513	VV	297	11178	0.18%	0.036%
57	5.553	5.513	5.604	VV	596	16785	0.27%	0.055%
58	5.631	5.604	5.669	VV	199	5285	0.08%	0.017%
59	5.692	5.669	5.710	VV	1417	17999	0.28%	0.059%
60	5.727	5.710	5.794	VV	1378	25090	0.40%	0.082%
61	5.821	5.794	5.841	VV	183	3456	0.05%	0.011%
62	5.886	5.841	5.934	VV	319	12514	0.20%	0.041%
63	5.956	5.934	5.971	VV	365	6198	0.10%	0.020%
64	5.989	5.971	6.032	VV	854	19914	0.31%	0.065%
65	6.049	6.032	6.075	VV	576	9756	0.15%	0.032%
66	6.102	6.075	6.146	VV	539	13469	0.21%	0.044%
67	6.184	6.146	6.211	VV	633	15770	0.25%	0.051%
68	6.230	6.211	6.251	VV	378	6590	0.10%	0.022%
69	6.305	6.251	6.354	VV	824	26263	0.41%	0.086%
70	6.365	6.354	6.393	VV	525	8073	0.13%	0.026%
71	6.429	6.393	6.451	VV	1014	18585	0.29%	0.061%
72	6.457	6.451	6.478	VV	452	5546	0.09%	0.018%
73	6.495	6.478	6.527	VV	552	10683	0.17%	0.035%
74	6.546	6.527	6.575	VV	598	11954	0.19%	0.039%
75	6.583	6.575	6.607	VV	200	2746	0.04%	0.009%
76	6.622	6.607	6.630	VV	268	2584	0.04%	0.008%
77	6.645	6.630	6.695	VV	325	7850	0.12%	0.026%
78	6.723	6.695	6.772	VV	549	10466	0.17%	0.034%
79	6.805	6.772	6.830	VV	174	3779	0.06%	0.012%
80	6.848	6.830	6.864	VV	280	3369	0.05%	0.011%
81	6.876	6.864	6.902	VV	305	4169	0.07%	0.014%
82	6.915	6.902	6.984	VV	182	4868	0.08%	0.016%
83	7.015	6.984	7.041	VV	403	7475	0.12%	0.024%
84	7.055	7.041	7.101	VV	225	5022	0.08%	0.016%
85	7.140	7.101	7.164	VV	241	5761	0.09%	0.019%
86	7.167	7.164	7.191	VV	170	1719	0.03%	0.006%
87	7.229	7.191	7.245	VV	210	5008	0.08%	0.016%
88	7.255	7.245	7.278	VV	226	3439	0.05%	0.011%
89	7.322	7.278	7.342	VV	313	8550	0.14%	0.028%

					rteres			
90	7.358	7.342	7.377	VV	253	4381	0.07%	0.014%
91	7.407	7.377	7.419	VV	348	5936	0.09%	0.019%
92	7.447	7.419	7.488	VV	410	10909	0.17%	0.036%
93	7.523	7.488	7.554	VV	352	11013	0.17%	0.036%
94	7.561	7.554	7.591	VV	252	5178	0.08%	0.017%
95	7.601	7.591	7.609	VV	236	2288	0.04%	0.007%
96	7.674	7.609	7.742	VV	597	18501	0.29%	0.060%
97	7.771	7.742	7.784	VV	149	2854	0.05%	0.009%
98	7.793	7.784	7.842	VV	180	3388	0.05%	0.011%
99	7.850	7.842	7.878	VV	134	1506	0.02%	0.005%
100	8.374	8.362	8.417	VV	1033	30650	0.48%	0.100%
101	8.427	8.417	8.481	VV	920	31471	0.50%	0.103%
102	8.496	8.481	8.506	VV	784	11845	0.19%	0.039%
103	8.555	8.506	8.668	VV	1093	62663	0.99%	0.204%
104	8.698	8.668	8.794	VV	767	32868	0.52%	0.107%
105	8.809	8.794	8.848	VV	271	6147	0.10%	0.020%
106	9.283	9.268	9.367	VV	1894	74399	1.18%	0.243%
107	9.387	9.367	9.539	VV	1352	70319	1.11%	0.229%
108	9.551	9.539	9.568	VV	464	7329	0.12%	0.024%
109	9.571	9.568	9.587	VV	469	4392	0.07%	0.014%
110	9.597	9.587	9.662	VV	405	12784	0.20%	0.042%
111	9.669	9.662	9.724	VV	265	8280	0.13%	0.027%
112	9.762	9.724	9.772	VV	244	5738	0.09%	0.019%
113	9.802	9.772	9.841	VV	394	12658	0.20%	0.041%
114	9.851	9.841	9.875	VV	342	5757	0.09%	0.019%
115	9.889	9.875	9.919	VV	259	6157	0.10%	0.020%
116	9.927	9.919	9.934	VV	190	1779	0.03%	0.006%
117	9.942	9.934	9.971	VV	258	4074	0.06%	0.013%
118	9.978	9.971	9.986	VV	169	1412	0.02%	0.005%
119	10.005	9.986	10.026	VV	464	5858	0.09%	0.019%
120	10.046	10.026	10.058	VV	232	3061	0.05%	0.010%
121	10.091	10.058	10.150	VV	2912	101666	1.61%	0.332%
122	10.168	10.150	10.374	VV	1744	85537	1.35%	0.279%
123	10.381	10.374	10.426	VV	252	5702	0.09%	0.019%
124	10.435	10.426	10.445	VV	126	1162	0.02%	0.004%
125	10.461	10.445	10.484	VV	141	2047	0.03%	0.007%
126	10.535	10.484	10.583	VV	566	18559	0.29%	0.061%
127	10.592	10.583	10.611	VV	224	3032	0.05%	0.010%
128	10.645	10.611	10.684	VV	313	9723	0.15%	0.032%
129	10.704	10.684	10.758	VV	224	6119	0.10%	0.020%
130	10.797	10.758	10.821	PV	246	6092	0.10%	0.020%
131	10.838	10.821	10.861	VV	384	6167	0.10%	0.020%
132	10.911	10.861	10.941	VV	792	17695	0.28%	0.058%
133	10.982	10.941	11.002	VV	456	10723	0.17%	0.035%
134	11.030	11.002	11.093	VV	345	12093	0.19%	0.039%
135	11.134	11.093	11.184	VV	266	6608	0.10%	0.022%
136	11.221	11.184	11.278	PV	1869	60398	0.95%	0.197%
137	11.320	11.278	11.406	VV	1064	52193	0.82%	0.170%
138	11.415	11.406	11.474	VV	342	8634	0.14%	0.028%
139	11.505	11.474	11.522	VV	214	4069	0.06%	0.013%
140	11.548	11.522	11.581	VV	726	11620	0.18%	0.038%
141	11.618	11.581	11.678	VV	1052	23949	0.38%	0.078%

					rteres			
142	11.707	11.678	11.763	VV	483	13112	0.21%	0.043%
143	11.784	11.763	11.800	VV	262	4474	0.07%	0.015%
144	11.814	11.800	11.835	VV	285	3657	0.06%	0.012%
145	11.844	11.835	11.894	VV	114	2178	0.03%	0.007%
146	11.941	11.894	12.031	PV	586119	6329049	100.00%	20.652%
147	12.052	12.031	12.095	VV	1452	46062	0.73%	0.150%
148	12.116	12.095	12.139	VV	1158	24802	0.39%	0.081%
149	12.154	12.139	12.174	VV	930	18013	0.28%	0.059%
150	12.189	12.174	12.208	VV	892	15316	0.24%	0.050%
151	12.245	12.208	12.269	VV	949	24814	0.39%	0.081%
152	12.288	12.269	12.319	VV	976	14303	0.23%	0.047%
153	12.420	12.319	12.442	VV	1279	26510	0.42%	0.087%
154	12.451	12.442	12.475	VV	355	5066	0.08%	0.017%
155	12.553	12.475	12.630	VV	5709	163958	2.59%	0.535%
156	12.645	12.630	12.671	VV	982	20270	0.32%	0.066%
157	12.685	12.671	12.721	VV	911	18942	0.30%	0.062%
158	12.751	12.721	12.811	VV	11100	145809	2.30%	0.476%
159	12.824	12.811	12.840	VV	646	8776	0.14%	0.029%
160	12.863	12.840	12.887	VV	3660	46393	0.73%	0.151%
161	12.931	12.887	12.978	VV	1450	46186	0.73%	0.151%
162	13.025	12.978	13.078	VV	8137	172966	2.73%	0.564%
163	13.095	13.078	13.164	VV	1392	32695	0.52%	0.107%
164	13.188	13.164	13.201	VV	491	8698	0.14%	0.028%
165	13.233	13.201	13.274	VV	1116	23661	0.37%	0.077%
166	13.289	13.274	13.297	VV	417	4285	0.07%	0.014%
167	13.326	13.297	13.347	VV	8524	133221	2.10%	0.435%
168	13.379	13.347	13.521	VV	343547	4224305	66.74%	13.784%
169	13.543	13.521	13.618	VV	1500	44764	0.71%	0.146%
170	13.625	13.618	13.643	VV	580	8576	0.14%	0.028%
171	13.655	13.643	13.691	VV	652	14223	0.22%	0.046%
172	13.706	13.691	13.731	VV	396	7425	0.12%	0.024%
173	13.807	13.731	13.868	VV	856	45927	0.73%	0.150%
174	13.934	13.868	13.981	VV	2337	65106	1.03%	0.212%
175	14.008	13.981	14.059	VV	7315	144309	2.28%	0.471%
176	14.079	14.059	14.118	VV	1952	47584	0.75%	0.155%
177	14.131	14.118	14.152	VV	1359	18990	0.30%	0.062%
178	14.196	14.152	14.224	VV	1138	35959	0.57%	0.117%
179	14.256	14.224	14.271	VV	670	15773	0.25%	0.051%
180	14.282	14.271	14.327	VV	500	10145	0.16%	0.033%
181	14.357	14.327	14.378	PV	325	5438	0.09%	0.018%
182	14.398	14.378	14.426	VV	225	4925	0.08%	0.016%
183	14.437	14.426	14.448	VV	132	998	0.02%	0.003%
184	14.502	14.448	14.520	PV	840	23726	0.37%	0.077%
185	14.546	14.520	14.556	VV	1033	18957	0.30%	0.062%
186	14.571	14.556	14.610	VV	1266	27539	0.44%	0.090%
187	14.646	14.610	14.671	VV	1260	28495	0.45%	0.093%
188	14.694	14.671	14.717	VV	2531	34334	0.54%	0.112%
189	14.763	14.717	14.780	VV	839	23818	0.38%	0.078%
190	14.799	14.780	14.833	VV	572	12096	0.19%	0.039%
191	14.861	14.833	14.878	VV	597	10985	0.17%	0.036%
192	14.907	14.878	14.945	VV	1223	31415	0.50%	0.103%
193	14.980	14.945	15.021	VV	863	20465	0.32%	0.067%
194	15.076	15.021	15.087	VV	533	12434	0.20%	0.041%

					rteres			
195	15.111	15.087	15.162	VV	486	13944	0.22%	0.045%
196	15.227	15.162	15.247	PV	5012	111093	1.76%	0.362%
197	15.264	15.247	15.353	VV	5333	163244	2.58%	0.533%
198	15.377	15.353	15.411	VV	1320	29895	0.47%	0.098%
199	15.433	15.411	15.489	VV	652	16723	0.26%	0.055%
200	15.516	15.489	15.530	PV	146	2440	0.04%	0.008%
201	15.568	15.530	15.592	VV	973	18441	0.29%	0.060%
202	15.629	15.592	15.703	VV	11426	254025	4.01%	0.829%
203	15.718	15.703	15.732	VV	761	11595	0.18%	0.038%
204	15.781	15.732	15.808	VV	3804	73504	1.16%	0.240%
205	15.831	15.808	15.872	VV	3654	57202	0.90%	0.187%
206	15.903	15.872	15.926	VV	1374	27022	0.43%	0.088%
207	15.938	15.926	15.978	VV	908	19448	0.31%	0.063%
208	16.042	15.978	16.056	VV	830	25378	0.40%	0.083%
209	16.067	16.056	16.134	VV	809	24378	0.39%	0.080%
210	16.152	16.134	16.194	VV	539	11717	0.19%	0.038%
211	16.226	16.194	16.234	VV	576	7648	0.12%	0.025%
212	16.261	16.234	16.298	VV	1761	29553	0.47%	0.096%
213	16.330	16.298	16.371	PV	487	12536	0.20%	0.041%
214	16.393	16.371	16.415	VV	202	3360	0.05%	0.011%
215	16.464	16.415	16.473	PV	190	4788	0.08%	0.016%
216	16.498	16.473	16.531	VV	295	6239	0.10%	0.020%
217	16.578	16.531	16.586	PV	523	10023	0.16%	0.033%
218	16.605	16.586	16.624	VV	593	10217	0.16%	0.033%
219	16.652	16.624	16.682	VV	2209	46936	0.74%	0.153%
220	16.709	16.682	16.724	VV	1145	23074	0.36%	0.075%
221	16.745	16.724	16.767	VV	2433	36357	0.57%	0.119%
222	16.795	16.767	16.884	VV	7191	236671	3.74%	0.772%
223	16.925	16.884	17.014	VV	1993	71717	1.13%	0.234%
224	17.117	17.014	17.161	PV	4627	102386	1.62%	0.334%
225	17.188	17.161	17.198	VV	5122	73982	1.17%	0.241%
226	17.211	17.198	17.242	VV	5877	98485	1.56%	0.321%
227	17.260	17.242	17.277	VV	2380	35745	0.56%	0.117%
228	17.291	17.277	17.366	VV	1914	44298	0.70%	0.145%
229	17.453	17.366	17.508	VV	614	24136	0.38%	0.079%
230	17.549	17.508	17.569	PV	1655	32126	0.51%	0.105%
231	17.593	17.569	17.628	VV	1711	40377	0.64%	0.132%
232	17.666	17.628	17.695	VV	4552	76770	1.21%	0.250%
233	17.706	17.695	17.729	VV	658	10726	0.17%	0.035%
234	17.753	17.729	17.771	VV	634	11234	0.18%	0.037%
235	17.785	17.771	17.818	VV	488	10612	0.17%	0.035%
236	17.842	17.818	17.858	VV	810	13524	0.21%	0.044%
237	17.881	17.858	17.915	VV	608	13359	0.21%	0.044%
238	17.993	17.915	18.011	PV	379	8203	0.13%	0.027%
239	18.067	18.011	18.078	PV	1159	24663	0.39%	0.080%
240	18.104	18.078	18.134	VV	4074	60832	0.96%	0.198%
241	18.196	18.134	18.220	VV	1684	32906	0.52%	0.107%
242	18.287	18.220	18.302	VV	1016	29421	0.46%	0.096%
243	18.336	18.302	18.358	VV	1435	24605	0.39%	0.080%
244	18.384	18.358	18.394	VV	318	5723	0.09%	0.019%
245	18.429	18.394	18.450	PV	3855	58247	0.92%	0.190%
246	18.480	18.450	18.507	VV	6139	130745	2.07%	0.427%

					rteres			
247	18.528	18.507	18.555	VV	5857	91822	1.45%	0.300%
248	18.581	18.555	18.678	VV	3299	113660	1.80%	0.371%
249	18.752	18.678	18.788	PV	732	21497	0.34%	0.070%
250	18.829	18.788	18.877	VV	3320	69218	1.09%	0.226%
251	18.939	18.877	18.966	VV	5286	96039	1.52%	0.313%
252	18.990	18.966	19.000	VV	822	15750	0.25%	0.051%
253	19.043	19.000	19.071	VV	1994	44103	0.70%	0.144%
254	19.099	19.071	19.112	VV	498	11154	0.18%	0.036%
255	19.139	19.112	19.146	VV	193	4039	0.06%	0.013%
256	19.309	19.146	19.324	PV	7424	150563	2.38%	0.491%
257	19.336	19.324	19.394	VV	6395	139146	2.20%	0.454%
258	19.436	19.394	19.457	VV	1557	45352	0.72%	0.148%
259	19.494	19.457	19.505	VV	1359	34850	0.55%	0.114%
260	19.593	19.505	19.612	VV	1600	72939	1.15%	0.238%
261	19.643	19.612	19.662	VV	2262	49980	0.79%	0.163%
262	19.725	19.662	19.761	VV	5244	152135	2.40%	0.496%
263	19.799	19.761	19.821	VV	5675	128250	2.03%	0.418%
264	19.838	19.821	19.863	VV	3653	80842	1.28%	0.264%
265	19.917	19.863	19.934	VV	3889	136981	2.16%	0.447%
266	20.019	19.934	20.047	VV	5937	302013	4.77%	0.985%
267	20.099	20.047	20.134	VV	9662	356982	5.64%	1.165%
268	20.145	20.134	20.170	VV	6233	131991	2.09%	0.431%
269	20.359	20.170	20.368	VV	9608	877043	13.86%	2.862%
270	20.469	20.368	20.494	VV	12503	813871	12.86%	2.656%
271	20.827	20.494	20.850	VV	16824	2834535	44.79%	9.249%
272	20.949	20.850	20.974	VV	16564	1196041	18.90%	3.903%
273	21.031	20.974	21.051	VV	16044	727662	11.50%	2.374%
274	21.069	21.051	21.094	VV	15231	387762	6.13%	1.265%
275	21.106	21.094	21.184	VV	14128	704858	11.14%	2.300%
276	21.213	21.184	21.278	VV	12695	651923	10.30%	2.127%
277	21.363	21.278	21.371	VV	10401	582179	9.20%	1.900%
278	21.433	21.371	21.520	VV	9805	838484	13.25%	2.736%
279	21.542	21.520	21.549	VV	7986	141823	2.24%	0.463%
280	21.648	21.549	21.774	VV	8220	917104	14.49%	2.992%
281	21.803	21.774	21.817	VV	3823	98571	1.56%	0.322%
282	21.967	21.817	22.019	VV	4657	487142	7.70%	1.590%
283	22.034	22.019	22.065	VV	3330	83487	1.32%	0.272%
284	22.073	22.065	22.105	VV	2500	54430	0.86%	0.178%
285	22.148	22.105	22.170	VV	1964	69343	1.10%	0.226%
286	22.189	22.170	22.202	VV	1535	26746	0.42%	0.087%
287	22.271	22.202	22.334	VV	1263	72057	1.14%	0.235%
Sum of corrected areas:					30646879			

Aliphatic EPH 112725.M Wed Dec 03 03:33:15 2025

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-2	SDG No.:	Q3742
Lab Sample ID:	Q3742-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76.4
Sample Wt/Vol:	30.09 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/02/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	6.55		1	1.54	2.61	mg/kg	FE057133.D	12/02/25 20:28	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	1.19	U	1	1.19	5.21	mg/kg	FE057133.D	12/02/25 20:28	PB170789
Total AliphaticEPH	Total AliphaticEPH	6.55	J		2.73	7.82	mg/kg			
Total EPH	Total EPH	6.55	J		2.73	7.82	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-2	SDG No.:	Q3742
Lab Sample ID:	Q3742-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76.4
Sample Wt/Vol:	30.09 g	Final Vol:	2000 uL
Prep Method :		Prep Date	12/02/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1	1.19	5.21	mg/kg	12/02/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	6.55		1	1.54	2.61	mg/kg	12/02/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	20.5			40 - 140	41%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	23.9			40 - 140	48%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3742-10	Acq On:	02 Dec 2025 20:28
Client Sample ID:	SB-1125-2	Operator:	YP\AJ
Data file:	FE057133.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	3.199	6.825	262546	1.308	300	ug/ml
Aliphatic C12-C16	6.826	10.272	555154	2.732	200	ug/ml
Aliphatic C16-C21	10.273	13.646	452206	2.28	300	ug/ml
Aliphatic C21-C28	13.647	17.317	1166907	5.871	400	ug/ml
Aliphatic C28-C40	17.318	22.251	15051711	75.296	600	ug/ml
Aliphatic EPH	3.199	22.251	17488524	87.489		ug/ml
ortho-Terphenyl (SURR)	11.939	11.939	5233220	23.85		ug/ml
1-chlorooctadecane (SURR)	13.378	13.378	3416046	20.53		ug/ml
Aliphatic C9-C28	3.199	17.317	2436813	12.191	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057133.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 20:28
 Operator : YP\AJ
 Sample : Q3742-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 SB-1125-2

Integration File: autoint1.e
 Quant Time: Dec 03 00:52:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.939	5233220	23.848 ug/ml
Spiked Amount 50.000		Recovery =	47.70%
12) S 1-chlorooctadecane (S...	13.378	3416046	20.526 ug/ml
Spiked Amount 50.000		Recovery =	41.05%

Target Compounds

(f)=RT Delta > 1/2 Window

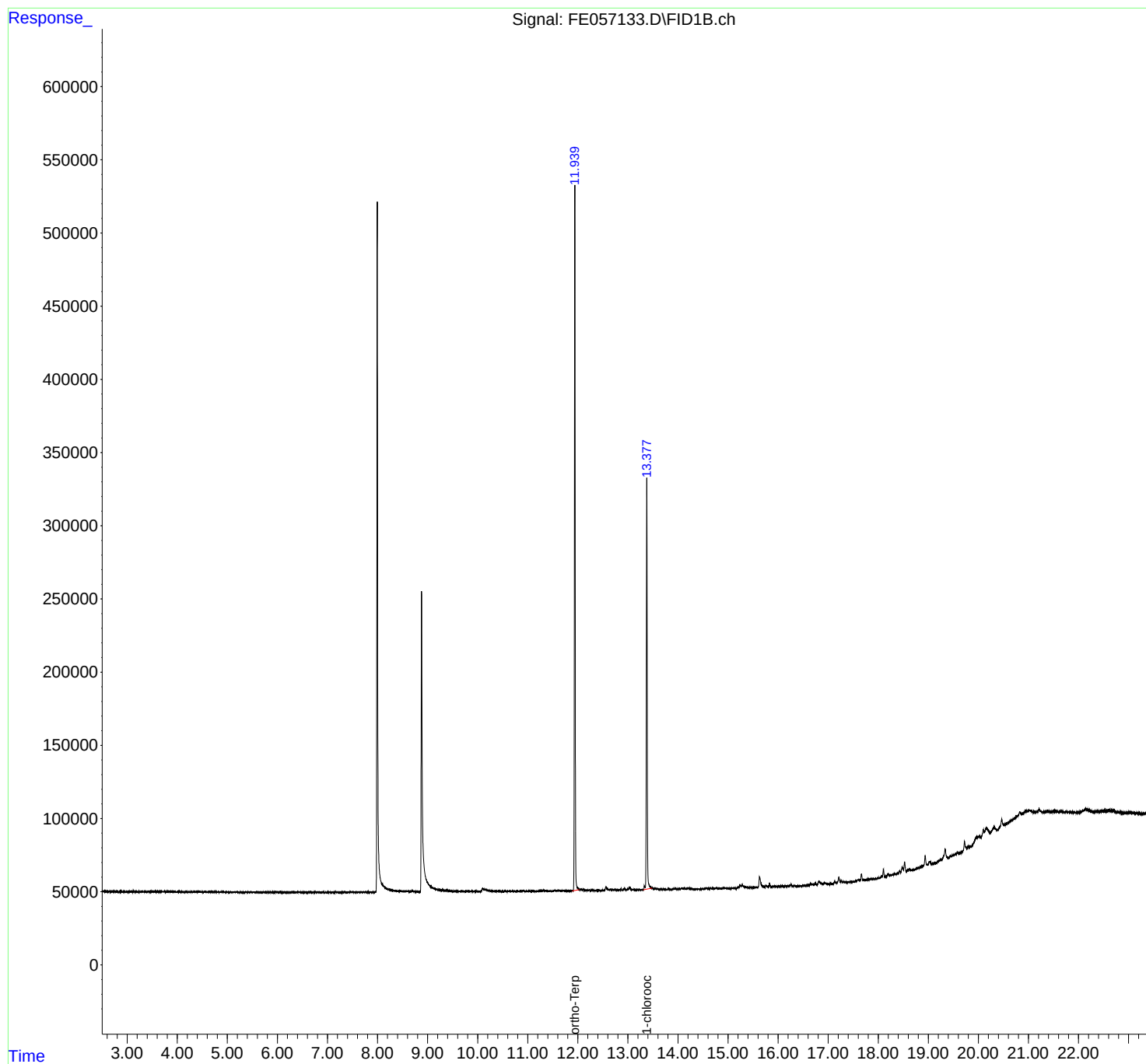
(m)=manual int.

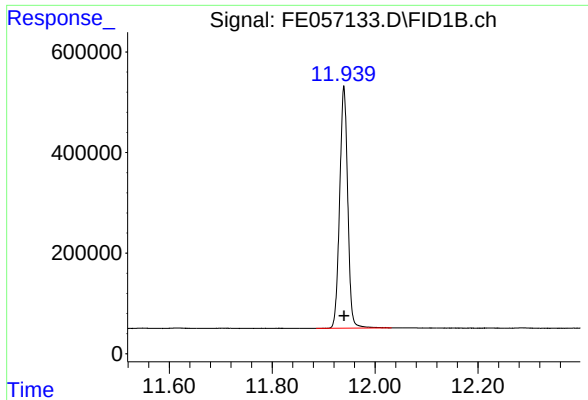
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057133.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 20:28
Operator : YP\AJ
Sample : Q3742-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
SB-1125-2

Integration File: autoint1.e
Quant Time: Dec 03 00:52:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

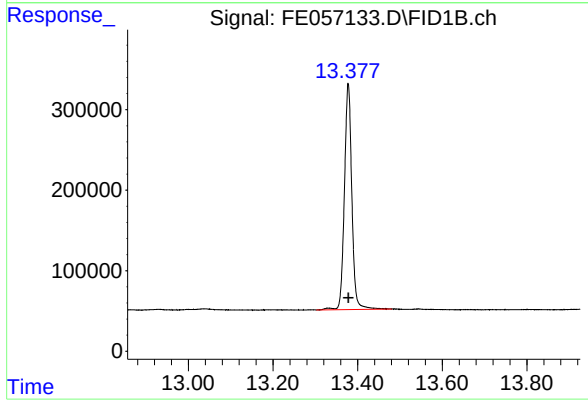




#9 ortho-Terphenyl (SURR)

R.T.: 11.939 min
Delta R.T.: 0.000 min
Response: 5233220
Conc: 23.85 ug/ml

Instrument :
FID_E
ClientSampleId :
SB-1125-2



#12 1-chlorooctadecane (SURR)

R.T.: 13.378 min
Delta R.T.: 0.000 min
Response: 3416046
Conc: 20.53 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057133.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 20:28
 Sample : Q3742-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	2.587	2.541	2.602	BV	53	581	0.01%	0.002%
2	2.608	2.602	2.621	PV	24	398	0.01%	0.002%
3	2.627	2.621	2.661	VV	112	868	0.02%	0.003%
4	2.672	2.661	2.698	VV	55	821	0.02%	0.003%
5	2.709	2.698	2.721	PV	94	569	0.01%	0.002%
6	2.739	2.721	2.752	VV	125	1258	0.02%	0.005%
7	2.760	2.752	2.811	VV	122	1608	0.03%	0.006%
8	2.827	2.811	2.928	PV	167	3484	0.07%	0.013%
9	2.932	2.928	2.940	VV	86	436	0.01%	0.002%
10	2.973	2.940	2.996	VV	136	1948	0.04%	0.007%
11	3.005	2.996	3.012	VV	67	349	0.01%	0.001%
12	3.017	3.012	3.027	VV	63	288	0.01%	0.001%
13	3.048	3.027	3.070	VV	70	828	0.02%	0.003%
14	3.082	3.070	3.115	PV	79	1368	0.03%	0.005%
15	3.162	3.115	3.198	VV	104	3664	0.07%	0.014%
16	3.206	3.198	3.268	VV	102	2782	0.05%	0.011%
17	3.307	3.268	3.322	VV	174	3277	0.06%	0.012%
18	3.360	3.322	3.397	VV	150	4685	0.09%	0.018%
19	3.411	3.397	3.441	VV	151	3019	0.06%	0.011%
20	3.461	3.441	3.508	VV	208	6064	0.11%	0.023%
21	3.537	3.508	3.547	VV	195	3543	0.07%	0.013%
22	3.562	3.547	3.588	VV	222	4128	0.08%	0.016%
23	3.599	3.588	3.606	VV	209	1873	0.04%	0.007%
24	3.618	3.606	3.631	VV	190	2727	0.05%	0.010%
25	3.644	3.631	3.708	VV	226	8099	0.15%	0.031%
26	3.720	3.708	3.772	VV	198	6657	0.12%	0.025%
27	3.815	3.772	3.841	VV	403	8757	0.16%	0.033%
28	3.851	3.841	3.884	VV	286	5066	0.10%	0.019%
29	3.895	3.884	3.915	VV	219	3428	0.06%	0.013%
30	3.965	3.915	4.052	VV	225	14495	0.27%	0.055%
31	4.086	4.052	4.139	VV	268	8361	0.16%	0.032%
32	4.154	4.139	4.186	VV	174	4157	0.08%	0.016%
33	4.192	4.186	4.228	VV	167	3774	0.07%	0.014%
34	4.238	4.228	4.249	VV	233	2176	0.04%	0.008%
35	4.270	4.249	4.307	VV	222	5969	0.11%	0.023%
36	4.344	4.307	4.379	VV	257	8994	0.17%	0.034%

					rteres			
37	4.393	4.379	4.414	VV	221	3951	0.07%	0.015%
38	4.442	4.414	4.482	VV	263	7768	0.15%	0.029%
39	4.496	4.482	4.530	VV	242	5024	0.09%	0.019%
40	4.551	4.530	4.658	VV	279	12088	0.23%	0.046%
41	4.665	4.658	4.725	VV	182	5700	0.11%	0.022%
42	4.741	4.725	4.751	VV	206	2445	0.05%	0.009%
43	4.759	4.751	4.766	VV	200	1424	0.03%	0.005%
44	4.774	4.766	4.823	VV	177	4396	0.08%	0.017%
45	4.836	4.823	4.908	VV	213	5810	0.11%	0.022%
46	4.916	4.908	4.932	VV	178	1885	0.04%	0.007%
47	4.951	4.932	5.068	VV	179	8652	0.16%	0.033%
48	5.115	5.068	5.138	VV	113	3545	0.07%	0.013%
49	5.145	5.138	5.153	VV	132	716	0.01%	0.003%
50	5.162	5.153	5.173	VV	123	913	0.02%	0.003%
51	5.181	5.173	5.194	VV	112	718	0.01%	0.003%
52	5.205	5.194	5.212	VV	72	757	0.01%	0.003%
53	5.221	5.212	5.251	VV	96	1609	0.03%	0.006%
54	5.267	5.251	5.311	PV	110	1882	0.04%	0.007%
55	5.319	5.311	5.348	VV	96	1194	0.02%	0.005%
56	5.371	5.348	5.421	VV	86	2010	0.04%	0.008%
57	5.430	5.421	5.445	VV	27	650	0.01%	0.002%
58	5.553	5.445	5.670	VV	120	8855	0.17%	0.034%
59	5.688	5.670	5.776	VV	112	4376	0.08%	0.017%
60	5.859	5.776	5.908	PV	122	4917	0.09%	0.019%
61	5.922	5.908	5.948	VV	128	1215	0.02%	0.005%
62	6.004	5.948	6.228	VV	107	13064	0.25%	0.050%
63	6.276	6.228	6.290	VV	94	2600	0.05%	0.010%
64	6.342	6.290	6.407	VV	238	12211	0.23%	0.046%
65	6.430	6.407	6.561	VV	392	12895	0.24%	0.049%
66	6.622	6.561	6.708	VV	227	10624	0.20%	0.040%
67	6.718	6.708	6.834	VV	148	6621	0.12%	0.025%
68	6.845	6.834	6.858	VV	104	1297	0.02%	0.005%
69	6.874	6.858	6.962	VV	129	5258	0.10%	0.020%
70	6.976	6.962	7.059	PV	94	3350	0.06%	0.013%
71	7.072	7.059	7.095	VV	99	1514	0.03%	0.006%
72	7.174	7.095	7.280	PV	172	9705	0.18%	0.037%
73	7.543	7.280	7.656	VV	213	29752	0.56%	0.113%
74	7.674	7.656	7.935	VV	201	11747	0.22%	0.045%
75	8.556	8.510	8.670	VV	847	55391	1.04%	0.210%
76	8.698	8.670	8.787	VV	873	35838	0.67%	0.136%
77	8.813	8.787	8.840	VV	315	8205	0.15%	0.031%
78	9.301	9.272	9.363	VV	1397	63499	1.19%	0.241%
79	9.388	9.363	9.530	VV	1154	72178	1.35%	0.274%
80	9.548	9.530	9.650	VV	495	28841	0.54%	0.109%
81	9.664	9.650	9.733	VV	361	14520	0.27%	0.055%
82	9.804	9.733	9.830	VV	369	18022	0.34%	0.068%
83	9.849	9.830	9.976	VV	408	22135	0.42%	0.084%
84	10.004	9.976	10.063	VV	357	9832	0.18%	0.037%
85	10.100	10.063	10.149	VV	1938	70813	1.33%	0.269%
86	10.167	10.149	10.477	VV	1528	93257	1.75%	0.354%
87	10.542	10.477	10.630	VV	407	21919	0.41%	0.083%
88	10.648	10.630	10.763	VV	266	10201	0.19%	0.039%
89	10.839	10.763	10.862	PV	264	8755	0.16%	0.033%

					rteres			
90	10.910	10.862	10.952	VV	746	16389	0.31%	0.062%
91	10.980	10.952	11.003	VV	316	5923	0.11%	0.022%
92	11.029	11.003	11.086	VV	180	5986	0.11%	0.023%
93	11.129	11.086	11.203	VV	257	6322	0.12%	0.024%
94	11.247	11.203	11.272	VV	376	10780	0.20%	0.041%
95	11.322	11.272	11.450	VV	473	26259	0.49%	0.100%
96	11.548	11.450	11.576	VV	534	10344	0.19%	0.039%
97	11.616	11.576	11.670	VV	762	15376	0.29%	0.058%
98	11.705	11.670	11.755	VV	314	6880	0.13%	0.026%
99	11.779	11.755	11.794	PV	127	1863	0.03%	0.007%
100	11.814	11.794	11.843	VV	145	2763	0.05%	0.010%
101	11.856	11.843	11.883	VV	108	1434	0.03%	0.005%
102	11.939	11.883	12.199	VV	451974	5329250	100.00%	20.226%
103	12.224	12.199	12.253	VV	472	10756	0.20%	0.041%
104	12.286	12.253	12.361	VV	775	15602	0.29%	0.059%
105	12.391	12.361	12.449	VV	204	4732	0.09%	0.018%
106	12.561	12.449	12.630	PV	2113	66952	1.26%	0.254%
107	12.649	12.630	12.720	VV	695	26238	0.49%	0.100%
108	12.748	12.720	12.796	VV	589	13946	0.26%	0.053%
109	12.863	12.796	12.890	VV	530	13164	0.25%	0.050%
110	12.930	12.890	12.970	VV	1058	26833	0.50%	0.102%
111	13.038	12.970	13.162	VV	1632	66849	1.25%	0.254%
112	13.194	13.162	13.276	VV	267	11782	0.22%	0.045%
113	13.378	13.276	13.517	VV	275091	3512905	65.92%	13.332%
114	13.543	13.517	13.635	VV	1244	44158	0.83%	0.168%
115	13.659	13.635	13.695	VV	382	10115	0.19%	0.038%
116	13.811	13.695	13.883	VV	382	26637	0.50%	0.101%
117	13.944	13.883	14.047	VV	772	48127	0.90%	0.183%
118	14.082	14.047	14.109	VV	1026	22405	0.42%	0.085%
119	14.130	14.109	14.152	VV	956	15336	0.29%	0.058%
120	14.196	14.152	14.227	VV	697	22292	0.42%	0.085%
121	14.247	14.227	14.327	VV	459	14906	0.28%	0.057%
122	14.357	14.327	14.441	VV	169	5574	0.10%	0.021%
123	14.472	14.441	14.481	PV	92	1465	0.03%	0.006%
124	14.570	14.481	14.605	VV	748	21743	0.41%	0.083%
125	14.649	14.605	14.670	VV	501	12527	0.24%	0.048%
126	14.695	14.670	14.721	VV	890	13444	0.25%	0.051%
127	14.761	14.721	14.784	VV	621	13994	0.26%	0.053%
128	14.799	14.784	14.842	VV	422	9269	0.17%	0.035%
129	14.913	14.842	14.940	VV	572	19019	0.36%	0.072%
130	14.950	14.940	15.005	VV	377	9438	0.18%	0.036%
131	15.095	15.005	15.165	VV	320	16323	0.31%	0.062%
132	15.285	15.165	15.359	PV	2223	122896	2.31%	0.466%
133	15.374	15.359	15.410	VV	598	14630	0.27%	0.056%
134	15.433	15.410	15.484	VV	484	11723	0.22%	0.044%
135	15.632	15.484	15.734	VV	7220	205416	3.85%	0.780%
136	15.759	15.734	15.798	VV	1298	27262	0.51%	0.103%
137	15.830	15.798	15.876	VV	2702	41071	0.77%	0.156%
138	15.915	15.876	15.943	VV	514	14332	0.27%	0.054%
139	15.949	15.943	15.984	VV	402	6860	0.13%	0.026%
140	16.006	15.984	16.014	VV	200	3376	0.06%	0.013%
141	16.085	16.014	16.114	VV	479	19081	0.36%	0.072%

					rteres			
142	16.151	16.114	16.201	VV	363	12567	0.24%	0.048%
143	16.260	16.201	16.303	VV	1449	29683	0.56%	0.113%
144	16.330	16.303	16.375	VV	437	9382	0.18%	0.036%
145	16.397	16.375	16.421	VV	106	1883	0.04%	0.007%
146	16.507	16.421	16.536	PV	100	4180	0.08%	0.016%
147	16.653	16.536	16.690	PV	1189	40434	0.76%	0.153%
148	16.744	16.690	16.777	VV	1981	44751	0.84%	0.170%
149	16.818	16.777	16.887	VV	2265	75553	1.42%	0.287%
150	16.936	16.887	17.022	VV	829	37861	0.71%	0.144%
151	17.129	17.022	17.163	PV	1260	31208	0.59%	0.118%
152	17.213	17.163	17.367	VV	4311	130144	2.44%	0.494%
153	17.597	17.367	17.623	PV	820	21750	0.41%	0.083%
154	17.665	17.623	17.719	VV	4474	73171	1.37%	0.278%
155	17.752	17.719	17.776	VV	451	7867	0.15%	0.030%
156	17.896	17.776	17.915	VV	213	15060	0.28%	0.057%
157	18.103	17.915	18.139	PV	5113	81043	1.52%	0.308%
158	18.197	18.139	18.223	PV	1623	23851	0.45%	0.091%
159	18.336	18.223	18.356	VV	492	13859	0.26%	0.053%
160	18.429	18.356	18.447	PV	1656	27771	0.52%	0.105%
161	18.481	18.447	18.501	VV	3645	76720	1.44%	0.291%
162	18.526	18.501	18.566	VV	6738	119033	2.23%	0.452%
163	18.627	18.566	18.675	VV	1059	41177	0.77%	0.156%
164	18.937	18.675	18.982	PV	7091	151118	2.84%	0.574%
165	19.020	18.982	19.073	VV	2141	57338	1.08%	0.218%
166	19.336	19.073	19.396	PV	7378	248503	4.66%	0.943%
167	19.587	19.396	19.609	VV	2159	176040	3.30%	0.668%
168	19.725	19.609	19.771	VV	8235	296657	5.57%	1.126%
169	19.799	19.771	19.819	VV	3973	103239	1.94%	0.392%
170	19.965	19.819	19.982	VV	8548	533002	10.00%	2.023%
171	20.022	19.982	20.053	VV	8342	346210	6.50%	1.314%
172	20.162	20.053	20.229	VV	12487	1110960	20.85%	4.216%
173	20.314	20.229	20.390	VV	11373	947766	17.78%	3.597%
174	20.467	20.390	20.530	VV	15146	950817	17.84%	3.609%
175	20.828	20.530	20.856	VV	16375	2518269	47.25%	9.557%
176	21.041	20.856	21.136	VV	14745	2434284	45.68%	9.239%
177	21.214	21.136	21.292	VV	13852	1153032	21.64%	4.376%
178	21.394	21.292	21.462	VV	10451	1050524	19.71%	3.987%
179	21.538	21.462	21.616	VV	9108	807651	15.16%	3.065%
180	21.648	21.616	21.730	VV	7822	479488	9.00%	1.820%
181	21.777	21.730	21.925	VV	5865	597576	11.21%	2.268%
182	21.964	21.925	21.982	VV	3415	118033	2.21%	0.448%
183	22.145	21.982	22.310	VV	3800	469902	8.82%	1.783%
Sum of corrected areas:					26349144			

Aliphatic EPH 112725.M Wed Dec 03 03:33:51 2025

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-1	SDG No.:	Q3742
Lab Sample ID:	Q3742-16	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	73.5
Sample Wt/Vol:	30.05 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 12/02/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	5.95		1	1.60	2.72	mg/kg	FE057134.D	12/02/25 20:58	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	2.28	J	1	1.24	5.44	mg/kg	FE057134.D	12/02/25 20:58	PB170789
Total AliphaticEPH	Total AliphaticEPH	8.23			2.84	8.16	mg/kg			
Total EPH	Total EPH	8.23			2.84	8.16	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-1	SDG No.:	Q3742
Lab Sample ID:	Q3742-16	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	73.5
Sample Wt/Vol:	30.05 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
	Prep Date	12/02/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	2.28	J	1	1.24	5.44	mg/kg	12/02/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	5.95		1	1.60	2.72	mg/kg	12/02/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURRE)	21.8			40 - 140	44%	SPK: 50		
84-15-1	ortho-Terphenyl (SURRE)	25.5			40 - 140	51%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3742-16	Acq On:	02 Dec 2025 20:58
Client Sample ID:	SB-1125-1	Operator:	YP\AJ
Data file:	FE057134.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	3.199	6.825	729652	3.636	300	ug/ml
Aliphatic C12-C16	6.826	10.272	843591	4.152	200	ug/ml
Aliphatic C16-C21	10.273	13.646	1774392	8.947	300	ug/ml
Aliphatic C21-C28	13.647	17.317	1671851	8.412	400	ug/ml
Aliphatic C28-C40	17.318	22.251	13139942	65.733	600	ug/ml
Aliphatic EPH	3.199	22.251	18159428	90.88		ug/ml
ortho-Terphenyl (SURR)	11.940	11.940	5591510	25.48		ug/ml
1-chlorooctadecane (SURR)	13.378	13.378	3620505	21.75		ug/ml
Aliphatic C9-C28	3.199	17.317	5019486	25.147	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057134.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 20:58
 Operator : YP\AJ
 Sample : Q3742-16
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 SB-1125-1

Integration File: autoint1.e
 Quant Time: Dec 03 00:52:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.940	5591510	25.481 ug/ml
Spiked Amount 50.000		Recovery =	50.96%
12) S 1-chlorooctadecane (S...	13.378	3620505	21.754 ug/ml
Spiked Amount 50.000		Recovery =	43.51%

Target Compounds

(f)=RT Delta > 1/2 Window

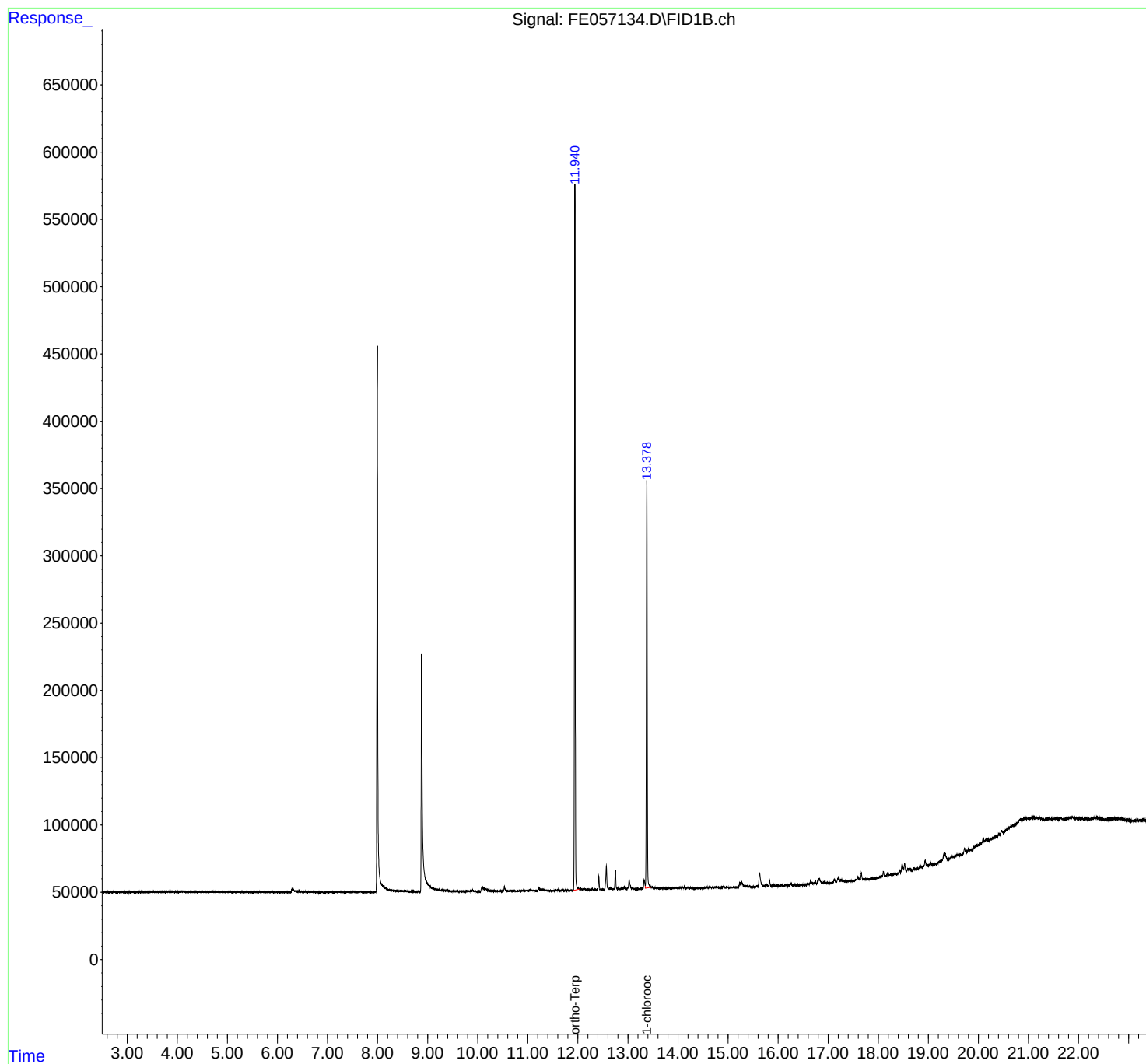
(m)=manual int.

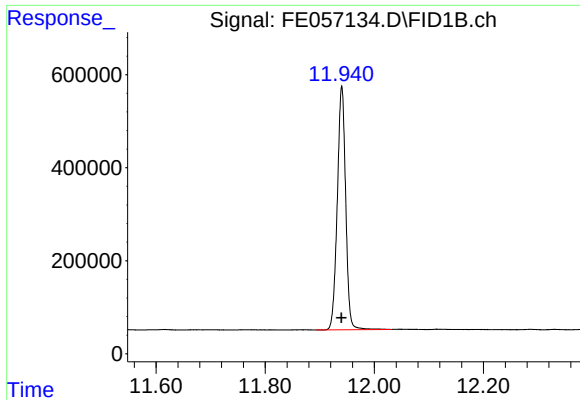
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057134.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 20:58
Operator : YP\AJ
Sample : Q3742-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
SB-1125-1

Integration File: autoint1.e
Quant Time: Dec 03 00:52:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

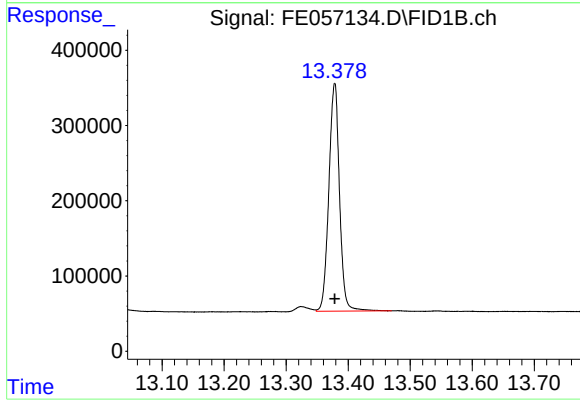




#9 ortho-Terphenyl (SURR)

R.T.: 11.940 min
Delta R.T.: 0.000 min
Response: 5591510
Conc: 25.48 ug/ml

Instrument :
FID_E
ClientSampleId :
SB-1125-1



#12 1-chlorooctadecane (SURR)

R.T.: 13.378 min
Delta R.T.: 0.000 min
Response: 3620505
Conc: 21.75 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057134.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 20:58
 Sample : Q3742-16
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	2.611	2.524	2.653	BV	118	1943	0.03%	0.007%
2	2.666	2.653	2.707	PV	114	1745	0.03%	0.006%
3	2.726	2.707	2.762	PV	128	2851	0.05%	0.010%
4	2.769	2.762	2.775	VV	88	490	0.01%	0.002%
5	2.784	2.775	2.818	VV	121	1973	0.04%	0.007%
6	2.833	2.818	2.864	VV	161	3140	0.06%	0.011%
7	2.870	2.864	2.881	VV	139	1125	0.02%	0.004%
8	2.902	2.881	2.919	VV	154	2652	0.05%	0.010%
9	2.925	2.919	2.948	VV	161	1788	0.03%	0.006%
10	3.000	2.948	3.042	VV	204	7263	0.13%	0.026%
11	3.077	3.042	3.158	VV	214	9627	0.17%	0.035%
12	3.173	3.158	3.184	VV	193	2160	0.04%	0.008%
13	3.193	3.184	3.198	VV	171	1135	0.02%	0.004%
14	3.221	3.198	3.238	VV	239	4750	0.08%	0.017%
15	3.298	3.238	3.351	VV	452	18294	0.32%	0.066%
16	3.432	3.351	3.468	VV	332	19749	0.35%	0.072%
17	3.475	3.468	3.500	VV	331	5626	0.10%	0.020%
18	3.527	3.500	3.541	VV	405	8639	0.15%	0.031%
19	3.558	3.541	3.590	VV	379	9845	0.17%	0.036%
20	3.607	3.590	3.644	VV	425	12063	0.21%	0.044%
21	3.670	3.644	3.721	VV	410	16697	0.30%	0.061%
22	3.739	3.721	3.771	VV	484	12013	0.21%	0.044%
23	3.795	3.771	3.811	VV	452	9692	0.17%	0.035%
24	3.823	3.811	3.855	VV	581	11822	0.21%	0.043%
25	3.874	3.855	3.903	VV	395	10472	0.19%	0.038%
26	3.927	3.903	3.946	VV	601	10296	0.18%	0.037%
27	3.996	3.946	4.048	VV	435	22694	0.40%	0.082%
28	4.085	4.048	4.114	VV	596	17570	0.31%	0.064%
29	4.126	4.114	4.171	VV	477	13911	0.25%	0.050%
30	4.191	4.171	4.223	VV	432	11299	0.20%	0.041%
31	4.240	4.223	4.264	VV	419	8599	0.15%	0.031%
32	4.279	4.264	4.295	VV	434	7371	0.13%	0.027%
33	4.315	4.295	4.322	VV	453	6708	0.12%	0.024%
34	4.327	4.322	4.352	VV	435	7064	0.13%	0.026%
35	4.358	4.352	4.397	VV	406	9870	0.18%	0.036%
36	4.408	4.397	4.428	VV	402	6590	0.12%	0.024%

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37	4.438	4.428	4.474	VV	453	10322	0.18%	0.037%
38	4.493	4.474	4.516	VV	480	10331	0.18%	0.037%
39	4.549	4.516	4.632	VV	619	28882	0.51%	0.105%
40	4.640	4.632	4.654	VV	390	4560	0.08%	0.017%
41	4.665	4.654	4.704	VV	452	10207	0.18%	0.037%
42	4.734	4.704	4.745	VV	496	9381	0.17%	0.034%
43	4.768	4.745	4.815	VV	682	18714	0.33%	0.068%
44	4.831	4.815	4.881	VV	454	14563	0.26%	0.053%
45	4.889	4.881	4.931	VV	370	9795	0.17%	0.036%
46	4.998	4.931	5.041	VV	353	19999	0.35%	0.073%
47	5.057	5.041	5.091	VV	385	8609	0.15%	0.031%
48	5.105	5.091	5.140	VV	273	6966	0.12%	0.025%
49	5.150	5.140	5.188	VV	245	5931	0.11%	0.021%
50	5.225	5.188	5.242	VV	271	7230	0.13%	0.026%
51	5.250	5.242	5.288	VV	244	5443	0.10%	0.020%
52	5.299	5.288	5.344	VV	271	7073	0.13%	0.026%
53	5.372	5.344	5.414	VV	387	9327	0.17%	0.034%
54	5.431	5.414	5.454	VV	300	4710	0.08%	0.017%
55	5.468	5.454	5.511	VV	214	5934	0.11%	0.022%
56	5.546	5.511	5.621	VV	437	16526	0.29%	0.060%
57	5.637	5.621	5.674	VV	260	5941	0.11%	0.022%
58	5.697	5.674	5.747	VV	531	13375	0.24%	0.048%
59	5.759	5.747	5.771	VV	174	2164	0.04%	0.008%
60	5.780	5.771	5.794	VV	138	1564	0.03%	0.006%
61	5.812	5.794	5.854	VV	185	5133	0.09%	0.019%
62	5.882	5.854	5.940	VV	237	7642	0.14%	0.028%
63	5.950	5.940	5.972	VV	161	2564	0.05%	0.009%
64	5.990	5.972	6.038	VV	274	6568	0.12%	0.024%
65	6.059	6.038	6.092	VV	161	3672	0.07%	0.013%
66	6.105	6.092	6.135	VV	161	2928	0.05%	0.011%
67	6.145	6.135	6.154	VV	113	1100	0.02%	0.004%
68	6.170	6.154	6.208	VV	171	3324	0.06%	0.012%
69	6.215	6.208	6.248	VV	159	2467	0.04%	0.009%
70	6.292	6.248	6.398	VV	2223	99058	1.76%	0.359%
71	6.403	6.398	6.414	VV	666	6242	0.11%	0.023%
72	6.429	6.414	6.461	VV	847	17520	0.31%	0.064%
73	6.477	6.461	6.529	VV	630	17087	0.30%	0.062%
74	6.554	6.529	6.604	VV	795	19768	0.35%	0.072%
75	6.625	6.604	6.685	VV	557	16094	0.29%	0.058%
76	6.694	6.685	6.711	VV	278	3942	0.07%	0.014%
77	6.724	6.711	6.738	VV	411	5403	0.10%	0.020%
78	6.750	6.738	6.784	VV	283	5696	0.10%	0.021%
79	6.808	6.784	6.825	VV	239	4263	0.08%	0.015%
80	6.844	6.825	6.860	VV	164	3094	0.05%	0.011%
81	6.873	6.860	6.921	VV	253	4724	0.08%	0.017%
82	6.934	6.921	6.946	VV	114	926	0.02%	0.003%
83	6.980	6.946	6.994	PV	92	1208	0.02%	0.004%
84	7.016	6.994	7.036	VV	128	2035	0.04%	0.007%
85	7.047	7.036	7.058	VV	153	1456	0.03%	0.005%
86	7.169	7.058	7.207	VV	308	11688	0.21%	0.042%
87	7.241	7.207	7.258	VV	699	10224	0.18%	0.037%
88	7.268	7.258	7.322	VV	530	10215	0.18%	0.037%
89	7.343	7.322	7.363	VV	187	3354	0.06%	0.012%

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90	7.374	7.363	7.384	VV	210	1691	0.03%	0.006%
91	7.404	7.384	7.421	VV	342	4757	0.08%	0.017%
92	7.443	7.421	7.459	VV	439	7367	0.13%	0.027%
93	7.508	7.459	7.519	VV	747	15730	0.28%	0.057%
94	7.523	7.519	7.558	VV	688	10597	0.19%	0.038%
95	7.569	7.558	7.621	VV	356	10507	0.19%	0.038%
96	7.624	7.621	7.637	VV	260	2297	0.04%	0.008%
97	7.657	7.637	7.772	VV	894	25285	0.45%	0.092%
98	7.808	7.772	7.880	VV	174	5131	0.09%	0.019%
99	7.905	7.880	7.930	VV	63	922	0.02%	0.003%
100	8.370	8.354	8.388	VV	1093	20387	0.36%	0.074%
101	8.409	8.388	8.447	VV	1143	32462	0.58%	0.118%
102	8.461	8.447	8.482	VV	815	15550	0.28%	0.056%
103	8.502	8.482	8.514	VV	870	15264	0.27%	0.055%
104	8.553	8.514	8.578	VV	1338	35384	0.63%	0.128%
105	8.599	8.578	8.648	VV	884	25413	0.45%	0.092%
106	8.694	8.648	8.766	VV	600	29188	0.52%	0.106%
107	8.805	8.766	8.831	VV	370	9901	0.18%	0.036%
108	9.200	9.183	9.247	VV	1962	62354	1.11%	0.226%
109	9.256	9.247	9.284	VV	1298	27918	0.50%	0.101%
110	9.310	9.284	9.351	VV	1341	46150	0.82%	0.167%
111	9.360	9.351	9.374	VV	925	12609	0.22%	0.046%
112	9.390	9.374	9.465	VV	1284	44125	0.78%	0.160%
113	9.474	9.465	9.496	VV	563	9531	0.17%	0.035%
114	9.518	9.496	9.534	VV	524	9643	0.17%	0.035%
115	9.548	9.534	9.581	VV	483	11864	0.21%	0.043%
116	9.590	9.581	9.644	VV	466	11652	0.21%	0.042%
117	9.712	9.644	9.726	VV	297	11957	0.21%	0.043%
118	9.734	9.726	9.754	VV	337	3916	0.07%	0.014%
119	9.786	9.754	9.836	VV	551	21333	0.38%	0.077%
120	9.848	9.836	9.869	VV	393	6713	0.12%	0.024%
121	9.895	9.869	9.931	VV	1401	26526	0.47%	0.096%
122	9.940	9.931	9.978	VV	576	9372	0.17%	0.034%
123	10.002	9.978	10.051	VV	522	9665	0.17%	0.035%
124	10.087	10.051	10.148	VV	3641	126420	2.24%	0.458%
125	10.167	10.148	10.274	VV	1846	75086	1.33%	0.272%
126	10.293	10.274	10.311	VV	584	10951	0.19%	0.040%
127	10.318	10.311	10.384	VV	484	16506	0.29%	0.060%
128	10.395	10.384	10.434	VV	394	7670	0.14%	0.028%
129	10.444	10.434	10.484	VV	303	5015	0.09%	0.018%
130	10.534	10.484	10.620	VV	3831	68750	1.22%	0.249%
131	10.668	10.620	10.685	VV	528	12396	0.22%	0.045%
132	10.709	10.685	10.719	VV	316	4886	0.09%	0.018%
133	10.737	10.719	10.759	VV	441	6854	0.12%	0.025%
134	10.782	10.759	10.818	VV	288	7628	0.14%	0.028%
135	10.834	10.818	10.861	VV	426	7134	0.13%	0.026%
136	10.911	10.861	10.941	VV	918	19351	0.34%	0.070%
137	10.979	10.941	11.008	VV	577	15862	0.28%	0.058%
138	11.042	11.008	11.064	VV	758	18266	0.32%	0.066%
139	11.082	11.064	11.114	VV	644	15347	0.27%	0.056%
140	11.136	11.114	11.171	VV	420	8800	0.16%	0.032%
141	11.216	11.171	11.268	PV	2100	66541	1.18%	0.241%

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142	11.285	11.268	11.381	VV	1355	55812	0.99%	0.202%
143	11.387	11.381	11.480	VV	455	12100	0.21%	0.044%
144	11.509	11.480	11.518	VV	211	2647	0.05%	0.010%
145	11.549	11.518	11.578	VV	726	13267	0.24%	0.048%
146	11.616	11.578	11.650	VV	1109	22745	0.40%	0.082%
147	11.672	11.650	11.688	VV	494	7701	0.14%	0.028%
148	11.696	11.688	11.744	VV	476	9890	0.18%	0.036%
149	11.764	11.744	11.835	VV	469	14267	0.25%	0.052%
150	11.874	11.835	11.895	VV	321	7173	0.13%	0.026%
151	11.940	11.895	12.031	PV	524993	5636016	100.00%	20.432%
152	12.048	12.031	12.098	VV	1472	45621	0.81%	0.165%
153	12.118	12.098	12.173	VV	1344	45750	0.81%	0.166%
154	12.187	12.173	12.260	VV	803	29887	0.53%	0.108%
155	12.286	12.260	12.309	VV	1097	17706	0.31%	0.064%
156	12.331	12.309	12.361	VV	932	14921	0.26%	0.054%
157	12.419	12.361	12.468	VV	10400	141910	2.52%	0.514%
158	12.498	12.468	12.530	VV	667	17787	0.32%	0.064%
159	12.569	12.530	12.654	VV	17780	305700	5.42%	1.108%
160	12.665	12.654	12.698	VV	995	22344	0.40%	0.081%
161	12.712	12.698	12.720	VV	877	10697	0.19%	0.039%
162	12.750	12.720	12.792	VV	14896	196191	3.48%	0.711%
163	12.811	12.792	12.841	VV	1628	28074	0.50%	0.102%
164	12.863	12.841	12.884	VV	1181	18764	0.33%	0.068%
165	12.929	12.884	12.978	VV	1600	52559	0.93%	0.191%
166	13.026	12.978	13.078	VV	7559	168770	2.99%	0.612%
167	13.088	13.078	13.164	VV	1055	27093	0.48%	0.098%
168	13.181	13.164	13.201	VV	416	6686	0.12%	0.024%
169	13.227	13.201	13.254	VV	515	11858	0.21%	0.043%
170	13.277	13.254	13.296	VV	681	12167	0.22%	0.044%
171	13.325	13.296	13.347	VV	7272	114692	2.03%	0.416%
172	13.378	13.347	13.524	VV	303652	3750741	66.55%	13.597%
173	13.543	13.524	13.580	VV	1406	30807	0.55%	0.112%
174	13.592	13.580	13.625	VV	809	16849	0.30%	0.061%
175	13.653	13.625	13.678	VV	642	16239	0.29%	0.059%
176	13.696	13.678	13.728	VV	612	12901	0.23%	0.047%
177	13.745	13.728	13.768	VV	513	9154	0.16%	0.033%
178	13.806	13.768	13.867	VV	774	29211	0.52%	0.106%
179	13.936	13.867	13.967	VV	1141	41641	0.74%	0.151%
180	13.978	13.967	14.001	VV	782	12846	0.23%	0.047%
181	14.022	14.001	14.058	VV	870	24798	0.44%	0.090%
182	14.082	14.058	14.114	VV	1269	29739	0.53%	0.108%
183	14.130	14.114	14.151	VV	1279	19532	0.35%	0.071%
184	14.171	14.151	14.184	VV	806	12458	0.22%	0.045%
185	14.197	14.184	14.225	VV	772	13801	0.24%	0.050%
186	14.251	14.225	14.331	VV	560	16801	0.30%	0.061%
187	14.365	14.331	14.387	VV	258	5431	0.10%	0.020%
188	14.396	14.387	14.438	VV	215	3407	0.06%	0.012%
189	14.465	14.438	14.482	VV	186	2843	0.05%	0.010%
190	14.542	14.482	14.554	PV	657	14918	0.26%	0.054%
191	14.571	14.554	14.596	VV	899	15370	0.27%	0.056%
192	14.643	14.596	14.669	VV	663	19727	0.35%	0.072%
193	14.694	14.669	14.716	VV	1110	16073	0.29%	0.058%
194	14.762	14.716	14.784	VV	806	19711	0.35%	0.071%

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195	14.797	14.784	14.844	VV	576	11697	0.21%	0.042%
196	14.863	14.844	14.877	VV	470	6232	0.11%	0.023%
197	14.910	14.877	14.944	VV	907	22567	0.40%	0.082%
198	14.957	14.944	14.974	VV	463	6755	0.12%	0.024%
199	14.984	14.974	15.041	VV	380	9619	0.17%	0.035%
200	15.103	15.041	15.117	VV	356	10752	0.19%	0.039%
201	15.126	15.117	15.154	VV	321	3858	0.07%	0.014%
202	15.162	15.154	15.168	VV	83	485	0.01%	0.002%
203	15.234	15.168	15.254	PV	3548	69622	1.24%	0.252%
204	15.277	15.254	15.354	VV	3229	111118	1.97%	0.403%
205	15.378	15.354	15.411	VV	1029	24190	0.43%	0.088%
206	15.430	15.411	15.452	VV	700	12528	0.22%	0.045%
207	15.464	15.452	15.495	VV	341	5193	0.09%	0.019%
208	15.544	15.495	15.561	VV	224	5338	0.09%	0.019%
209	15.579	15.561	15.590	VV	318	4369	0.08%	0.016%
210	15.629	15.590	15.734	VV	10429	255477	4.53%	0.926%
211	15.758	15.734	15.771	VV	1802	23680	0.42%	0.086%
212	15.780	15.771	15.802	VV	1431	17587	0.31%	0.064%
213	15.830	15.802	15.871	VV	3968	54147	0.96%	0.196%
214	15.905	15.871	15.944	VV	646	18469	0.33%	0.067%
215	15.966	15.944	15.999	VV	660	13957	0.25%	0.051%
216	16.039	15.999	16.123	VV	538	25792	0.46%	0.094%
217	16.154	16.123	16.201	VV	477	11444	0.20%	0.041%
218	16.259	16.201	16.296	VV	1568	30769	0.55%	0.112%
219	16.332	16.296	16.372	VV	620	12062	0.21%	0.044%
220	16.397	16.372	16.412	VV	219	2266	0.04%	0.008%
221	16.452	16.412	16.481	PV	162	2912	0.05%	0.011%
222	16.507	16.481	16.526	VV	172	2231	0.04%	0.008%
223	16.608	16.526	16.624	PV	521	15995	0.28%	0.058%
224	16.649	16.624	16.693	VV	2557	57450	1.02%	0.208%
225	16.705	16.693	16.723	VV	991	15643	0.28%	0.057%
226	16.744	16.723	16.769	VV	2392	35332	0.63%	0.128%
227	16.807	16.769	16.882	VV	3832	140047	2.48%	0.508%
228	16.930	16.882	17.027	VV	1126	54182	0.96%	0.196%
229	17.121	17.027	17.164	PV	2836	66043	1.17%	0.239%
230	17.211	17.164	17.239	VV	4491	108376	1.92%	0.393%
231	17.260	17.239	17.276	VV	2130	32966	0.58%	0.120%
232	17.293	17.276	17.331	VV	1710	34100	0.61%	0.124%
233	17.345	17.331	17.371	VV	499	7861	0.14%	0.028%
234	17.460	17.371	17.478	VV	536	22036	0.39%	0.080%
235	17.494	17.478	17.514	VV	232	2704	0.05%	0.010%
236	17.553	17.514	17.565	PV	1013	17374	0.31%	0.063%
237	17.594	17.565	17.637	VV	2488	64885	1.15%	0.235%
238	17.664	17.637	17.729	VV	5139	87030	1.54%	0.316%
239	17.753	17.729	17.774	VV	654	11987	0.21%	0.043%
240	17.794	17.774	17.806	VV	361	5875	0.10%	0.021%
241	17.841	17.806	17.872	VV	492	13346	0.24%	0.048%
242	17.878	17.872	17.888	VV	355	3136	0.06%	0.011%
243	17.899	17.888	17.913	VV	319	3212	0.06%	0.012%
244	17.934	17.913	17.944	PV	218	2299	0.04%	0.008%
245	17.988	17.944	17.999	VV	310	4111	0.07%	0.015%
246	18.065	17.999	18.077	VV	1013	20846	0.37%	0.076%

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247	18.103	18.077	18.133	VV	3822	55783	0.99%	0.202%
248	18.196	18.133	18.228	VV	2500	42364	0.75%	0.154%
249	18.279	18.228	18.294	VV	741	15104	0.27%	0.055%
250	18.335	18.294	18.361	VV	762	13659	0.24%	0.050%
251	18.429	18.361	18.445	PV	1812	28409	0.50%	0.103%
252	18.477	18.445	18.506	VV	6522	140685	2.50%	0.510%
253	18.526	18.506	18.559	VV	6164	106159	1.88%	0.385%
254	18.589	18.559	18.603	VV	2014	34000	0.60%	0.123%
255	18.620	18.603	18.691	VV	2009	53305	0.95%	0.193%
256	18.713	18.691	18.751	PV	1129	20116	0.36%	0.073%
257	18.792	18.751	18.802	VV	302	7692	0.14%	0.028%
258	18.836	18.802	18.868	VV	1678	36299	0.64%	0.132%
259	18.937	18.868	18.964	VV	4583	95203	1.69%	0.345%
260	18.978	18.964	19.004	VV	939	15610	0.28%	0.057%
261	19.040	19.004	19.075	VV	2574	49332	0.88%	0.179%
262	19.088	19.075	19.102	VV	668	8518	0.15%	0.031%
263	19.116	19.102	19.124	VV	211	2522	0.04%	0.009%
264	19.223	19.124	19.238	PV	1304	25727	0.46%	0.093%
265	19.336	19.238	19.398	VV	6087	256952	4.56%	0.932%
266	19.472	19.398	19.507	VV	2154	89825	1.59%	0.326%
267	19.582	19.507	19.619	VV	2319	113931	2.02%	0.413%
268	19.644	19.619	19.657	VV	1733	33875	0.60%	0.123%
269	19.723	19.657	19.770	VV	5271	183467	3.26%	0.665%
270	19.797	19.770	19.818	VV	3799	86338	1.53%	0.313%
271	19.841	19.818	19.860	VV	3448	79183	1.40%	0.287%
272	19.968	19.860	19.984	VV	4951	295367	5.24%	1.071%
273	20.026	19.984	20.053	VV	5427	210200	3.73%	0.762%
274	20.096	20.053	20.118	VV	8825	268920	4.77%	0.975%
275	20.156	20.118	20.190	VV	7079	297230	5.27%	1.078%
276	20.204	20.190	20.221	VV	6688	119594	2.12%	0.434%
277	20.317	20.221	20.333	VV	7475	452799	8.03%	1.642%
278	20.372	20.333	20.380	VV	7195	199603	3.54%	0.724%
279	20.410	20.380	20.423	VV	8559	202669	3.60%	0.735%
280	20.467	20.423	20.491	VV	10485	375597	6.66%	1.362%
281	20.826	20.491	20.867	VV	14956	2653751	47.09%	9.621%
282	20.935	20.867	20.979	VV	14567	953528	16.92%	3.457%
283	21.018	20.979	21.034	VV	13532	452610	8.03%	1.641%
284	21.058	21.034	21.067	VV	13314	262491	4.66%	0.952%
285	21.127	21.067	21.186	VV	12999	908662	16.12%	3.294%
286	21.212	21.186	21.294	VV	12291	716190	12.71%	2.596%
287	21.301	21.294	21.324	VV	9764	173323	3.08%	0.628%
288	21.377	21.324	21.392	VV	9375	381529	6.77%	1.383%
289	21.405	21.392	21.451	VV	9128	309459	5.49%	1.122%
290	21.506	21.451	21.518	VV	8030	322324	5.72%	1.169%
291	21.540	21.518	21.564	VV	7689	208979	3.71%	0.758%
292	21.578	21.564	21.621	VV	7138	232633	4.13%	0.843%
293	21.650	21.621	21.684	VV	7047	244076	4.33%	0.885%
294	21.706	21.684	21.719	VV	5631	116311	2.06%	0.422%
295	21.725	21.719	21.732	VV	5367	42900	0.76%	0.156%
296	21.851	21.732	21.864	VV	5107	408522	7.25%	1.481%
297	21.875	21.864	21.971	VV	4867	257728	4.57%	0.934%
298	21.982	21.971	21.998	VV	2930	45860	0.81%	0.166%
299	22.019	21.998	22.108	VV	2561	127653	2.26%	0.463%

300 22.147 22.108 22.193 VV rterres 1110 38674 0.69% 0.140%

Sum of corrected areas: 27584081

Aliphatic EPH 112725.M Wed Dec 03 03:34:33 2025

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-25	SDG No.:	Q3742
Lab Sample ID:	Q3742-17	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	63.3
Sample Wt/Vol:	30.08 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/02/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	8.23		1	1.86	3.15	mg/kg	FE057135.D	12/02/25 21:28	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	5.38	J	1	1.43	6.31	mg/kg	FE057135.D	12/02/25 21:28	PB170789
Total AliphaticEPH	Total AliphaticEPH	13.6			3.29	9.46	mg/kg			
Total EPH	Total EPH	13.6			3.29	9.46	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-25	SDG No.:	Q3742
Lab Sample ID:	Q3742-17	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	63.3
Sample Wt/Vol:	30.08 g	Final Vol:	2000 uL
Prep Method :		Prep Date	12/02/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	5.38	J	1	1.43	6.31	mg/kg	12/02/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	8.23		1	1.86	3.15	mg/kg	12/02/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	20.3			40 - 140	41%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	23.5			40 - 140	47%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3742-17	Acq On:	02 Dec 2025 21:28
Client Sample ID:	SB-1125-25	Operator:	YP\AJ
Data file:	FE057135.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	3.199	6.825	470831	2.346	300	ug/ml
Aliphatic C12-C16	6.826	10.272	1528155	7.521	200	ug/ml
Aliphatic C16-C21	10.273	13.646	2865811	14.451	300	ug/ml
Aliphatic C21-C28	13.647	17.317	5333555	26.836	400	ug/ml
Aliphatic C28-C40	17.318	22.251	15667934	78.379	600	ug/ml
Aliphatic EPH	3.199	22.251	25866286	129.533		ug/ml
ortho-Terphenyl (SURR)	11.940	11.940	5154283	23.49		ug/ml
1-chlorooctadecane (SURR)	13.378	13.378	3375359	20.28		ug/ml
Aliphatic C9-C28	3.199	17.317	10198352	51.154	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057135.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 21:28
Operator : YP\AJ
Sample : Q3742-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
SB-1125-25

Integration File: autoint1.e
Quant Time: Dec 03 00:52:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.940	5154283	23.488 ug/ml
Spiked Amount 50.000		Recovery =	46.98%
12) S 1-chlorooctadecane (S...	13.378	3375359	20.281 ug/ml
Spiked Amount 50.000		Recovery =	40.56%

Target Compounds

(f)=RT Delta > 1/2 Window

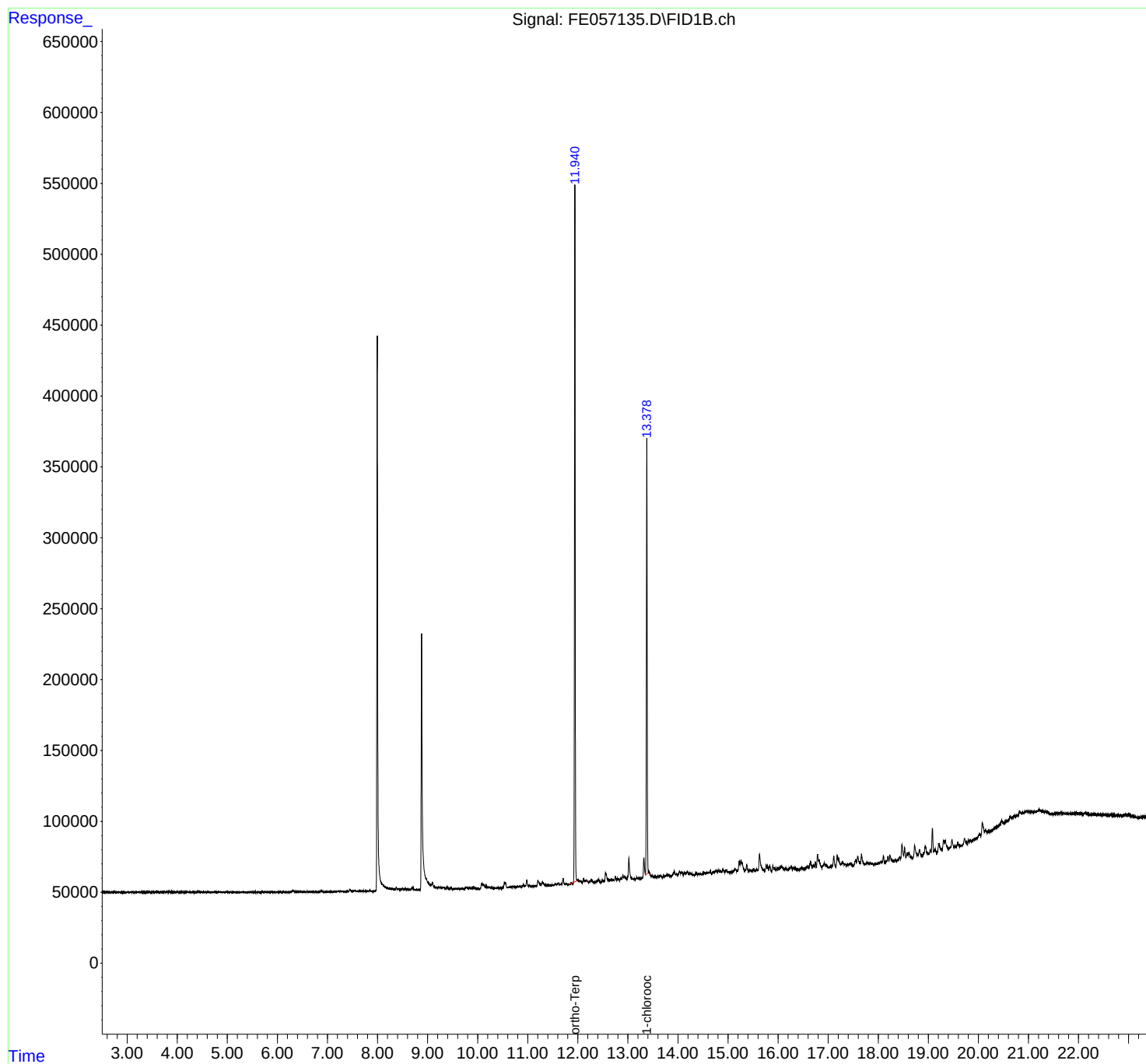
(m)=manual int.

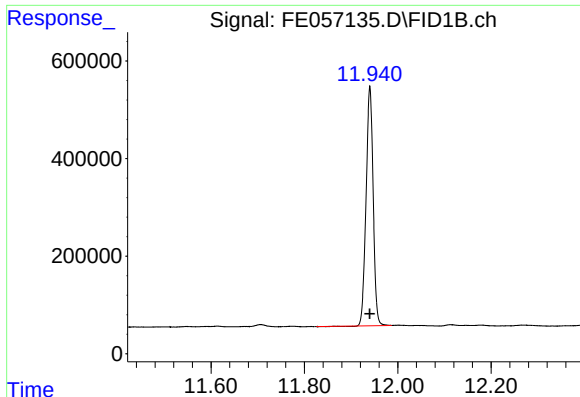
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057135.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 21:28
Operator : YP\AJ
Sample : Q3742-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
SB-1125-25

Integration File: autoint1.e
Quant Time: Dec 03 00:52:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

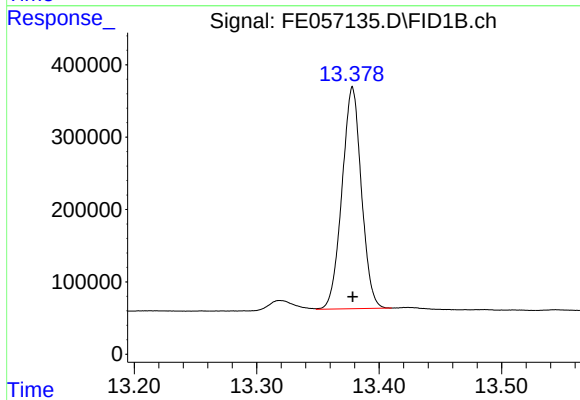




#9 ortho-Terphenyl (SURR)

R.T.: 11.940 min
Delta R.T.: 0.000 min
Response: 5154283
Conc: 23.49 ug/ml

Instrument :
FID_E
ClientSampleId :
SB-1125-25



#12 1-chlorooctadecane (SURR)

R.T.: 13.378 min
Delta R.T.: 0.000 min
Response: 3375359
Conc: 20.28 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057135.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 21:28
 Sample : Q3742-17
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	2.611	2.558	2.664	BV	53	1498	0.03%	0.004%
2	2.669	2.664	2.708	PV	75	763	0.01%	0.002%
3	2.732	2.708	2.751	PV	163	2676	0.05%	0.008%
4	2.756	2.751	2.803	VV	110	2541	0.05%	0.007%
5	2.810	2.803	2.834	VV	95	1061	0.02%	0.003%
6	2.849	2.834	2.874	VV	59	1205	0.02%	0.003%
7	2.892	2.874	2.911	PV	121	1590	0.03%	0.005%
8	2.921	2.911	2.973	VV	118	2924	0.06%	0.008%
9	2.992	2.973	3.060	VV	106	3178	0.06%	0.009%
10	3.077	3.060	3.106	VV	131	2715	0.05%	0.008%
11	3.111	3.106	3.117	VV	57	467	0.01%	0.001%
12	3.125	3.117	3.140	VV	152	1089	0.02%	0.003%
13	3.157	3.140	3.169	VV	80	1148	0.02%	0.003%
14	3.234	3.169	3.248	VV	124	3535	0.07%	0.010%
15	3.252	3.248	3.275	VV	136	1412	0.03%	0.004%
16	3.296	3.275	3.337	VV	245	5556	0.11%	0.016%
17	3.344	3.337	3.353	VV	159	1170	0.02%	0.003%
18	3.375	3.353	3.387	VV	125	2306	0.04%	0.007%
19	3.437	3.387	3.469	VV	224	6646	0.13%	0.019%
20	3.481	3.469	3.519	VV	203	5444	0.10%	0.016%
21	3.524	3.519	3.564	VV	174	4350	0.08%	0.013%
22	3.610	3.564	3.638	VV	221	7604	0.14%	0.022%
23	3.653	3.638	3.719	VV	234	8457	0.16%	0.024%
24	3.737	3.719	3.775	VV	267	6414	0.12%	0.018%
25	3.788	3.775	3.814	VV	342	5717	0.11%	0.016%
26	3.822	3.814	3.865	VV	385	7077	0.13%	0.020%
27	3.882	3.865	3.904	VV	268	4476	0.09%	0.013%
28	3.927	3.904	3.978	VV	404	9314	0.18%	0.027%
29	3.986	3.978	4.040	VV	272	7256	0.14%	0.021%
30	4.088	4.040	4.151	VV	370	14015	0.27%	0.040%
31	4.158	4.151	4.172	VV	205	2115	0.04%	0.006%
32	4.200	4.172	4.221	VV	265	4828	0.09%	0.014%
33	4.287	4.221	4.301	VV	347	10537	0.20%	0.030%
34	4.317	4.301	4.351	VV	306	7438	0.14%	0.021%
35	4.355	4.351	4.414	VV	320	7580	0.14%	0.022%
36	4.440	4.414	4.471	VV	257	6427	0.12%	0.019%

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37	4.507	4.471	4.523	VV	302	6744	0.13%	0.019%
38	4.551	4.523	4.585	VV	489	10521	0.20%	0.030%
39	4.619	4.585	4.661	VV	655	11949	0.23%	0.034%
40	4.673	4.661	4.699	VV	193	2910	0.06%	0.008%
41	4.725	4.699	4.757	VV	315	8401	0.16%	0.024%
42	4.764	4.757	4.789	VV	329	4969	0.09%	0.014%
43	4.831	4.789	4.848	VV	440	9667	0.18%	0.028%
44	4.856	4.848	4.877	VV	274	4669	0.09%	0.013%
45	4.890	4.877	4.901	VV	279	3779	0.07%	0.011%
46	4.904	4.901	4.934	VV	328	4078	0.08%	0.012%
47	4.965	4.934	4.974	VV	280	4990	0.09%	0.014%
48	4.986	4.974	5.001	VV	368	4762	0.09%	0.014%
49	5.008	5.001	5.048	VV	355	6110	0.12%	0.018%
50	5.059	5.048	5.098	VV	254	5076	0.10%	0.015%
51	5.106	5.098	5.138	VV	150	2613	0.05%	0.008%
52	5.141	5.138	5.151	VV	169	899	0.02%	0.003%
53	5.162	5.151	5.201	VV	144	2891	0.05%	0.008%
54	5.227	5.201	5.284	VV	168	4958	0.09%	0.014%
55	5.330	5.284	5.366	VV	280	7152	0.14%	0.021%
56	5.373	5.366	5.411	VV	127	1776	0.03%	0.005%
57	5.472	5.411	5.484	PV	246	6599	0.13%	0.019%
58	5.492	5.484	5.518	VV	225	3561	0.07%	0.010%
59	5.529	5.518	5.545	VV	207	2890	0.05%	0.008%
60	5.564	5.545	5.609	VV	356	7277	0.14%	0.021%
61	5.636	5.609	5.671	VV	195	4596	0.09%	0.013%
62	5.698	5.671	5.720	VV	553	9138	0.17%	0.026%
63	5.732	5.720	5.754	VV	322	4560	0.09%	0.013%
64	5.762	5.754	5.797	VV	243	4431	0.08%	0.013%
65	5.816	5.797	5.834	VV	221	3913	0.07%	0.011%
66	5.872	5.834	5.908	VV	482	11101	0.21%	0.032%
67	5.918	5.908	5.935	VV	236	2647	0.05%	0.008%
68	5.944	5.935	5.967	VV	211	3297	0.06%	0.009%
69	5.995	5.967	6.035	VV	533	12423	0.24%	0.036%
70	6.055	6.035	6.087	VV	320	7071	0.13%	0.020%
71	6.113	6.087	6.144	VV	261	6389	0.12%	0.018%
72	6.170	6.144	6.188	PV	360	4127	0.08%	0.012%
73	6.195	6.188	6.204	VV	159	1162	0.02%	0.003%
74	6.219	6.204	6.241	VV	396	4394	0.08%	0.013%
75	6.307	6.241	6.338	VV	1007	32905	0.63%	0.095%
76	6.349	6.338	6.384	VV	622	14611	0.28%	0.042%
77	6.404	6.384	6.418	VV	487	8229	0.16%	0.024%
78	6.433	6.418	6.494	VV	596	16172	0.31%	0.047%
79	6.513	6.494	6.534	VV	382	7157	0.14%	0.021%
80	6.550	6.534	6.573	VV	290	5923	0.11%	0.017%
81	6.595	6.573	6.608	VV	486	6236	0.12%	0.018%
82	6.641	6.608	6.655	VV	366	8766	0.17%	0.025%
83	6.674	6.655	6.711	VV	347	7878	0.15%	0.023%
84	6.730	6.711	6.748	VV	336	5337	0.10%	0.015%
85	6.756	6.748	6.774	VV	312	3274	0.06%	0.009%
86	6.782	6.774	6.794	VV	155	1599	0.03%	0.005%
87	6.809	6.794	6.836	VV	248	4580	0.09%	0.013%
88	6.849	6.836	6.858	VV	300	2831	0.05%	0.008%
89	6.876	6.858	6.897	VV	817	11116	0.21%	0.032%

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90	6.910	6.897	6.935	VV	595	7279	0.14%	0.021%
91	7.015	6.935	7.033	PV	342	10167	0.19%	0.029%
92	7.053	7.033	7.100	VV	417	9218	0.18%	0.027%
93	7.120	7.100	7.163	VV	402	8954	0.17%	0.026%
94	7.190	7.163	7.208	VV	503	9095	0.17%	0.026%
95	7.227	7.208	7.244	VV	512	8511	0.16%	0.025%
96	7.257	7.244	7.277	VV	629	9191	0.17%	0.026%
97	7.292	7.277	7.324	VV	487	9123	0.17%	0.026%
98	7.352	7.324	7.368	VV	416	7399	0.14%	0.021%
99	7.405	7.368	7.421	VV	446	10435	0.20%	0.030%
100	7.445	7.421	7.481	VV	1707	31496	0.60%	0.091%
101	7.500	7.481	7.531	VV	646	16027	0.30%	0.046%
102	7.544	7.531	7.608	VV	1002	25028	0.48%	0.072%
103	7.634	7.608	7.659	VV	626	13792	0.26%	0.040%
104	7.674	7.659	7.701	VV	567	10589	0.20%	0.031%
105	7.720	7.701	7.747	VV	425	9110	0.17%	0.026%
106	7.760	7.747	7.784	VV	361	6751	0.13%	0.019%
107	7.805	7.784	7.821	VV	465	7711	0.15%	0.022%
108	7.848	7.821	7.878	VV	952	16675	0.32%	0.048%
109	7.895	7.878	7.914	VV	202	2681	0.05%	0.008%
110	7.933	7.914	7.944	PV	228	3110	0.06%	0.009%
111	8.250	8.225	8.266	VV	1929	44186	0.84%	0.127%
112	8.288	8.266	8.333	VV	1889	61571	1.17%	0.177%
113	8.345	8.333	8.353	VV	1274	13992	0.27%	0.040%
114	8.373	8.353	8.401	VV	3021	52110	0.99%	0.150%
115	8.424	8.401	8.448	VV	1497	34122	0.65%	0.098%
116	8.466	8.448	8.483	VV	1241	22135	0.42%	0.064%
117	8.499	8.483	8.518	VV	1275	23019	0.44%	0.066%
118	8.554	8.518	8.585	VV	1478	44649	0.85%	0.129%
119	8.604	8.585	8.626	VV	1227	23043	0.44%	0.066%
120	8.647	8.626	8.657	VV	747	12508	0.24%	0.036%
121	8.689	8.657	8.699	VV	1854	32417	0.62%	0.093%
122	8.710	8.699	8.758	VV	1811	36345	0.69%	0.105%
123	8.775	8.758	8.794	VV	659	11548	0.22%	0.033%
124	8.807	8.794	8.826	VV	627	9409	0.18%	0.027%
125	9.097	9.067	9.159	VV	5542	181018	3.44%	0.522%
126	9.173	9.159	9.195	VV	2050	38394	0.73%	0.111%
127	9.222	9.195	9.238	VV	2015	43975	0.84%	0.127%
128	9.244	9.238	9.272	VV	1801	31120	0.59%	0.090%
129	9.304	9.272	9.351	VV	1708	68786	1.31%	0.198%
130	9.390	9.351	9.425	VV	1681	54437	1.03%	0.157%
131	9.434	9.425	9.449	VV	933	12284	0.23%	0.035%
132	9.468	9.449	9.498	VV	1236	23338	0.44%	0.067%
133	9.512	9.498	9.529	VV	591	9334	0.18%	0.027%
134	9.547	9.529	9.571	VV	636	11797	0.22%	0.034%
135	9.593	9.571	9.640	VV	675	20464	0.39%	0.059%
136	9.690	9.640	9.728	VV	670	22587	0.43%	0.065%
137	9.780	9.728	9.817	VV	1251	44172	0.84%	0.127%
138	9.840	9.817	9.874	VV	1167	27030	0.51%	0.078%
139	9.895	9.874	9.907	VV	964	14841	0.28%	0.043%
140	9.925	9.907	9.967	VV	1243	27569	0.52%	0.079%
141	10.004	9.967	10.034	VV	418	10745	0.20%	0.031%

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142	10.079	10.034	10.105	VV	3788	80079	1.52%	0.231%
143	10.116	10.105	10.154	VV	2837	65176	1.24%	0.188%
144	10.169	10.154	10.214	VV	2110	49590	0.94%	0.143%
145	10.226	10.214	10.258	VV	1109	24076	0.46%	0.069%
146	10.273	10.258	10.318	VV	787	18818	0.36%	0.054%
147	10.347	10.318	10.364	VV	398	9000	0.17%	0.026%
148	10.402	10.364	10.426	VV	589	14101	0.27%	0.041%
149	10.445	10.426	10.468	VV	413	5033	0.10%	0.015%
150	10.534	10.468	10.544	PV	4320	59850	1.14%	0.172%
151	10.556	10.544	10.586	VV	4207	58495	1.11%	0.169%
152	10.622	10.586	10.630	VV	684	12808	0.24%	0.037%
153	10.664	10.630	10.688	VV	761	20606	0.39%	0.059%
154	10.706	10.688	10.725	VV	1158	15352	0.29%	0.044%
155	10.739	10.725	10.760	VV	540	7621	0.14%	0.022%
156	10.797	10.760	10.808	VV	583	12357	0.23%	0.036%
157	10.840	10.808	10.861	VV	884	17916	0.34%	0.052%
158	10.911	10.861	10.933	VV	1488	32270	0.61%	0.093%
159	10.981	10.933	11.011	VV	5222	89263	1.70%	0.257%
160	11.034	11.011	11.067	VV	984	21345	0.41%	0.061%
161	11.099	11.067	11.117	VV	582	10259	0.19%	0.030%
162	11.144	11.117	11.168	VV	354	8885	0.17%	0.026%
163	11.203	11.168	11.264	VV	4261	110296	2.10%	0.318%
164	11.289	11.264	11.358	VV	2651	80355	1.53%	0.232%
165	11.390	11.358	11.411	VV	697	13283	0.25%	0.038%
166	11.436	11.411	11.471	VV	343	6357	0.12%	0.018%
167	11.503	11.471	11.518	VV	240	5030	0.10%	0.014%
168	11.548	11.518	11.568	PV	1023	15824	0.30%	0.046%
169	11.614	11.568	11.651	VV	1628	39626	0.75%	0.114%
170	11.706	11.651	11.741	VV	4688	85830	1.63%	0.247%
171	11.774	11.741	11.798	VV	1087	18152	0.34%	0.052%
172	11.864	11.798	11.898	PV	721	22420	0.43%	0.065%
173	11.940	11.898	11.989	VV	490970	5263900	100.00%	15.166%
174	12.002	11.989	12.031	VV	2701	57809	1.10%	0.167%
175	12.041	12.031	12.089	VV	2121	55674	1.06%	0.160%
176	12.114	12.089	12.136	VV	3445	64783	1.23%	0.187%
177	12.146	12.136	12.159	VV	2085	27678	0.53%	0.080%
178	12.178	12.159	12.215	VV	2461	54726	1.04%	0.158%
179	12.267	12.215	12.341	VV	2271	84590	1.61%	0.244%
180	12.418	12.341	12.461	VV	2151	72148	1.37%	0.208%
181	12.489	12.461	12.528	VV	1494	39746	0.76%	0.115%
182	12.554	12.528	12.628	VV	6618	181138	3.44%	0.522%
183	12.657	12.628	12.704	VV	1708	61387	1.17%	0.177%
184	12.749	12.704	12.769	VV	3910	71410	1.36%	0.206%
185	12.793	12.769	12.834	VV	1955	57409	1.09%	0.165%
186	12.859	12.834	12.877	VV	2077	41219	0.78%	0.119%
187	12.899	12.877	12.915	VV	3848	64311	1.22%	0.185%
188	12.931	12.915	12.974	VV	3556	84368	1.60%	0.243%
189	13.020	12.974	13.099	VV	15902	345497	6.56%	0.995%
190	13.120	13.099	13.152	VV	1115	29649	0.56%	0.085%
191	13.175	13.152	13.197	VV	1895	34990	0.66%	0.101%
192	13.214	13.197	13.241	VV	1538	34391	0.65%	0.099%
193	13.256	13.241	13.276	VV	1263	22332	0.42%	0.064%
194	13.320	13.276	13.347	VV	15448	269829	5.13%	0.777%

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195	13.378	13.347	13.411	VV	309358	3529060	67.04%	10.168%
196	13.424	13.411	13.474	VV	5671	142960	2.72%	0.412%
197	13.485	13.474	13.498	VV	2479	32214	0.61%	0.093%
198	13.510	13.498	13.527	VV	1968	30536	0.58%	0.088%
199	13.544	13.527	13.569	VV	2220	41233	0.78%	0.119%
200	13.590	13.569	13.623	VV	2008	52632	1.00%	0.152%
201	13.648	13.623	13.691	VV	2228	64138	1.22%	0.185%
202	13.709	13.691	13.722	VV	2066	28629	0.54%	0.082%
203	13.781	13.722	13.799	VV	2681	94654	1.80%	0.273%
204	13.813	13.799	13.838	VV	2467	46594	0.89%	0.134%
205	13.925	13.838	13.951	VV	4380	161594	3.07%	0.466%
206	13.973	13.951	13.995	VV	2685	59689	1.13%	0.172%
207	14.030	13.995	14.054	VV	4357	110909	2.11%	0.320%
208	14.069	14.054	14.107	VV	3521	93701	1.78%	0.270%
209	14.129	14.107	14.144	VV	3466	59049	1.12%	0.170%
210	14.190	14.144	14.215	VV	3898	123952	2.35%	0.357%
211	14.237	14.215	14.271	VV	2717	76216	1.45%	0.220%
212	14.277	14.271	14.301	VV	1993	29539	0.56%	0.085%
213	14.310	14.301	14.325	VV	1417	16785	0.32%	0.048%
214	14.362	14.325	14.390	VV	2539	71395	1.36%	0.206%
215	14.452	14.390	14.476	VV	1806	76247	1.45%	0.220%
216	14.519	14.476	14.554	VV	2393	83985	1.60%	0.242%
217	14.565	14.554	14.587	VV	2269	38226	0.73%	0.110%
218	14.647	14.587	14.674	VV	2972	113778	2.16%	0.328%
219	14.694	14.674	14.711	VV	2620	43749	0.83%	0.126%
220	14.761	14.711	14.778	VV	3772	101590	1.93%	0.293%
221	14.798	14.778	14.812	VV	3266	52928	1.01%	0.152%
222	14.822	14.812	14.837	VV	2662	38729	0.74%	0.112%
223	14.854	14.837	14.874	VV	2619	52680	1.00%	0.152%
224	14.896	14.874	14.937	VV	3717	104624	1.99%	0.301%
225	14.963	14.937	15.000	VV	3110	90062	1.71%	0.259%
226	15.017	15.000	15.037	VV	1707	32934	0.63%	0.095%
227	15.095	15.037	15.108	VV	1787	69860	1.33%	0.201%
228	15.152	15.108	15.172	VV	3358	106073	2.02%	0.306%
229	15.222	15.172	15.241	VV	8668	194447	3.69%	0.560%
230	15.258	15.241	15.341	VV	9057	324538	6.17%	0.935%
231	15.373	15.341	15.411	VV	5725	129731	2.46%	0.374%
232	15.435	15.411	15.451	VV	2144	42226	0.80%	0.122%
233	15.464	15.451	15.483	VV	2099	33205	0.63%	0.096%
234	15.511	15.483	15.550	VV	2385	72479	1.38%	0.209%
235	15.570	15.550	15.597	VV	2233	52203	0.99%	0.150%
236	15.628	15.597	15.737	VV	12643	367347	6.98%	1.058%
237	15.783	15.737	15.812	VV	4611	139013	2.64%	0.401%
238	15.833	15.812	15.874	VV	4351	83731	1.59%	0.241%
239	15.895	15.874	15.918	VV	3953	64753	1.23%	0.187%
240	15.936	15.918	15.961	VV	2242	46201	0.88%	0.133%
241	15.982	15.961	16.001	VV	2022	41327	0.79%	0.119%
242	16.067	16.001	16.134	VV	3082	166463	3.16%	0.480%
243	16.152	16.134	16.197	VV	1771	40938	0.78%	0.118%
244	16.261	16.197	16.284	VV	2557	74808	1.42%	0.216%
245	16.329	16.284	16.381	VV	1456	55434	1.05%	0.160%
246	16.389	16.381	16.404	PV	717	4375	0.08%	0.013%

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247	16.416	16.404	16.421	VV	223	1849	0.04%	0.005%
248	16.454	16.421	16.468	VV	1072	19381	0.37%	0.056%
249	16.485	16.468	16.528	VV	1069	27461	0.52%	0.079%
250	16.581	16.528	16.614	VV	1994	61890	1.18%	0.178%
251	16.647	16.614	16.681	VV	4901	115748	2.20%	0.333%
252	16.708	16.681	16.725	VV	2506	52558	1.00%	0.151%
253	16.745	16.725	16.764	VV	4743	67857	1.29%	0.196%
254	16.788	16.764	16.808	VV	10069	167218	3.18%	0.482%
255	16.820	16.808	16.876	VV	6107	136029	2.58%	0.392%
256	16.922	16.876	16.954	VV	3598	101648	1.93%	0.293%
257	16.959	16.954	17.028	VV	1983	45815	0.87%	0.132%
258	17.052	17.028	17.060	VV	1103	16444	0.31%	0.047%
259	17.112	17.060	17.152	VV	8096	164632	3.13%	0.474%
260	17.180	17.152	17.204	VV	8023	158964	3.02%	0.458%
261	17.211	17.204	17.249	VV	6385	102987	1.96%	0.297%
262	17.287	17.249	17.324	VV	3634	117546	2.23%	0.339%
263	17.335	17.324	17.366	VV	2255	42413	0.81%	0.122%
264	17.385	17.366	17.395	VV	1577	23223	0.44%	0.067%
265	17.450	17.395	17.501	VV	2167	90127	1.71%	0.260%
266	17.552	17.501	17.567	VV	4271	94087	1.79%	0.271%
267	17.590	17.567	17.640	VV	6649	173445	3.29%	0.500%
268	17.666	17.640	17.721	VV	8261	177477	3.37%	0.511%
269	17.784	17.721	17.817	VV	2238	82058	1.56%	0.236%
270	17.838	17.817	17.863	VV	2119	37250	0.71%	0.107%
271	17.877	17.863	17.913	VV	1031	19618	0.37%	0.057%
272	17.954	17.913	17.963	PV	684	15406	0.29%	0.044%
273	18.047	17.963	18.074	VV	1461	58965	1.12%	0.170%
274	18.102	18.074	18.131	VV	5314	85275	1.62%	0.246%
275	18.195	18.131	18.213	VV	4385	88895	1.69%	0.256%
276	18.234	18.213	18.294	VV	5017	116878	2.22%	0.337%
277	18.338	18.294	18.364	VV	1092	29771	0.57%	0.086%
278	18.430	18.364	18.448	PV	2574	60723	1.15%	0.175%
279	18.474	18.448	18.506	VV	10797	225863	4.29%	0.651%
280	18.527	18.506	18.552	VV	8536	133377	2.53%	0.384%
281	18.575	18.552	18.595	VV	4541	83511	1.59%	0.241%
282	18.615	18.595	18.689	VV	4274	113529	2.16%	0.327%
283	18.727	18.689	18.778	PV	8683	197584	3.75%	0.569%
284	18.822	18.778	18.877	VV	5047	125570	2.39%	0.362%
285	18.939	18.877	18.972	VV	6094	159251	3.03%	0.459%
286	18.981	18.972	19.011	VV	1444	25166	0.48%	0.073%
287	19.040	19.011	19.054	VV	3214	48243	0.92%	0.139%
288	19.082	19.054	19.117	VV	17992	269684	5.12%	0.777%
289	19.137	19.117	19.171	VV	2928	48958	0.93%	0.141%
290	19.212	19.171	19.264	PV	6398	163276	3.10%	0.470%
291	19.303	19.264	19.321	VV	7638	151084	2.87%	0.435%
292	19.338	19.321	19.408	VV	7293	190711	3.62%	0.549%
293	19.472	19.408	19.511	VV	6783	171600	3.26%	0.494%
294	19.536	19.511	19.558	VV	1471	32629	0.62%	0.094%
295	19.589	19.558	19.621	VV	4101	82816	1.57%	0.239%
296	19.640	19.621	19.658	VV	1265	21602	0.41%	0.062%
297	19.723	19.658	19.774	VV	5670	174212	3.31%	0.502%
298	19.798	19.774	19.811	VV	3636	57219	1.09%	0.165%
299	19.837	19.811	19.861	VV	3306	84248	1.60%	0.243%

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300	19.881	19.861	19.898	VV	3089	56885	1.08%	0.164%
301	19.909	19.898	19.924	VV	3298	48874	0.93%	0.141%
302	20.021	19.924	20.048	VV	5917	318990	6.06%	0.919%
303	20.078	20.048	20.119	VV	13870	396781	7.54%	1.143%
304	20.139	20.119	20.168	VV	7769	209224	3.97%	0.603%
305	20.177	20.168	20.188	VV	6409	74796	1.42%	0.215%
306	20.203	20.188	20.231	VV	6525	164457	3.12%	0.474%
307	20.248	20.231	20.257	VV	6580	98240	1.87%	0.283%
308	20.351	20.257	20.371	VV	8207	501773	9.53%	1.446%
309	20.467	20.371	20.501	VV	11893	746459	14.18%	2.151%
310	20.630	20.501	20.662	VV	13075	1053538	20.01%	3.035%
311	20.746	20.662	20.755	VV	12781	688733	13.08%	1.984%
312	20.825	20.755	20.854	VV	14955	807552	15.34%	2.327%
313	20.968	20.854	21.007	VV	14148	1265291	24.04%	3.645%
314	21.017	21.007	21.035	VV	13516	223880	4.25%	0.645%
315	21.056	21.035	21.067	VV	13120	254101	4.83%	0.732%
316	21.076	21.067	21.105	VV	12847	291546	5.54%	0.840%
317	21.117	21.105	21.152	VV	12611	346024	6.57%	0.997%
318	21.215	21.152	21.347	VV	13549	1385871	26.33%	3.993%
319	21.356	21.347	21.448	VV	10371	566724	10.77%	1.633%
320	21.482	21.448	21.499	VV	7914	243686	4.63%	0.702%
321	21.547	21.499	21.581	VV	7768	368945	7.01%	1.063%
322	21.590	21.581	21.601	VV	7227	89078	1.69%	0.257%
323	21.650	21.601	21.693	VV	7492	381556	7.25%	1.099%
324	21.706	21.693	21.764	VV	6451	260146	4.94%	0.750%
325	21.779	21.764	21.828	VV	5749	209010	3.97%	0.602%
326	21.868	21.828	21.876	VV	4943	143916	2.73%	0.415%
327	21.907	21.876	21.930	VV	4879	153174	2.91%	0.441%
328	21.965	21.930	22.052	VV	4483	296581	5.63%	0.854%
329	22.064	22.052	22.080	VV	3067	49939	0.95%	0.144%
330	22.142	22.080	22.258	VV	3120	216420	4.11%	0.624%
331	22.304	22.258	22.318	VV	624	22959	0.44%	0.066%
332	22.336	22.318	22.348	VV	228	3579	0.07%	0.010%
					Sum of corrected areas:		34708640	

Aliphatic EPH 112725.M Wed Dec 03 03:35:07 2025

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-24	SDG No.:	Q3742
Lab Sample ID:	Q3742-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	62.8
Sample Wt/Vol:	30.04 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/02/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	10.4		1	1.88	3.18	mg/kg	FE057136.D	12/02/25 21:58	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	6.29	J	1	1.45	6.36	mg/kg	FE057136.D	12/02/25 21:58	PB170789
Total AliphaticEPH	Total AliphaticEPH	16.7			3.33	9.54	mg/kg			
Total EPH	Total EPH	16.7			3.33	9.54	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick	Date Collected:	11/25/25
Project:	Saddler Property	Date Received:	11/26/25
Client Sample ID:	SB-1125-24	SDG No.:	Q3742
Lab Sample ID:	Q3742-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	62.8
Sample Wt/Vol:	30.04 g	Final Vol:	2000 uL
Prep Method :		Prep Date	12/02/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	6.29	J	1	1.45	6.36	mg/kg	12/02/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	10.4		1	1.88	3.18	mg/kg	12/02/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.9			40 - 140	54%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.5			40 - 140	61%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3742-18	Acq On:	02 Dec 2025 21:58
Client Sample ID:	SB-1125-24	Operator:	YP\AJ
Data file:	FE057136.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.199	6.825	638935	3.184	300	ug/ml
Aliphatic C12-C16	6.826	10.272	1392596	6.854	200	ug/ml
Aliphatic C16-C21	10.273	13.646	3358298	16.934	300	ug/ml
Aliphatic C21-C28	13.647	17.317	6434769	32.377	400	ug/ml
Aliphatic C28-C40	17.318	22.251	19558995	97.844	600	ug/ml
Aliphatic EPH	3.199	22.251	31383593	157.193		ug/ml
ortho-Terphenyl (SURR)	11.940	11.940	6685385	30.47		ug/ml
1-chlorooctadecane (SURR)	13.378	13.378	4473275	26.88		ug/ml
Aliphatic C9-C28	3.199	17.317	11824598	59.349	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057136.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 21:58
 Operator : YP\AJ
 Sample : Q3742-18
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 SB-1125-24

Integration File: autoint1.e
 Quant Time: Dec 03 00:53:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.940	6685385	30.465 ug/ml
Spiked Amount 50.000		Recovery =	60.93%
12) S 1-chlorooctadecane (S...	13.378	4473275	26.878 ug/ml
Spiked Amount 50.000		Recovery =	53.76%

Target Compounds

(f)=RT Delta > 1/2 Window

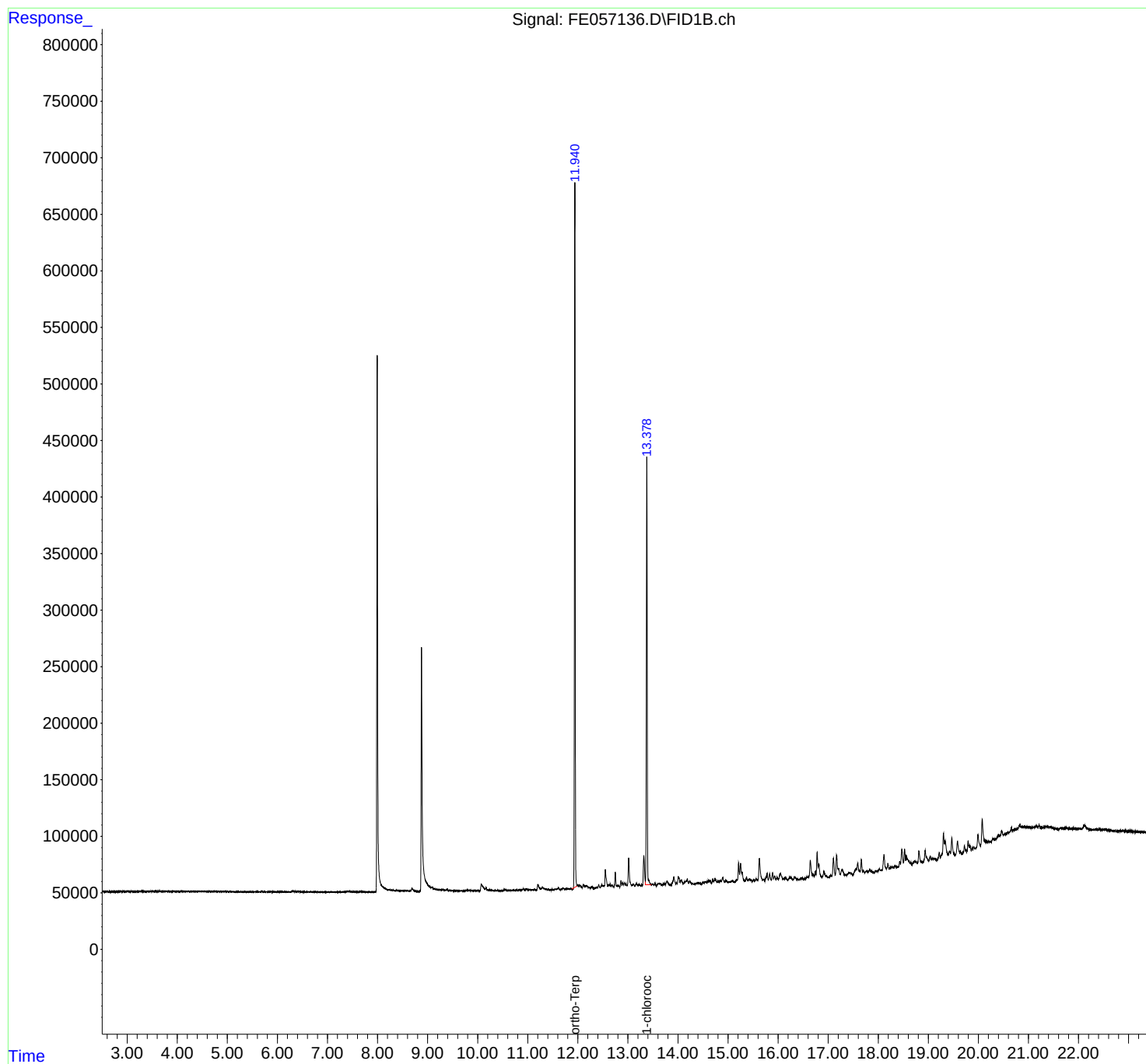
(m)=manual int.

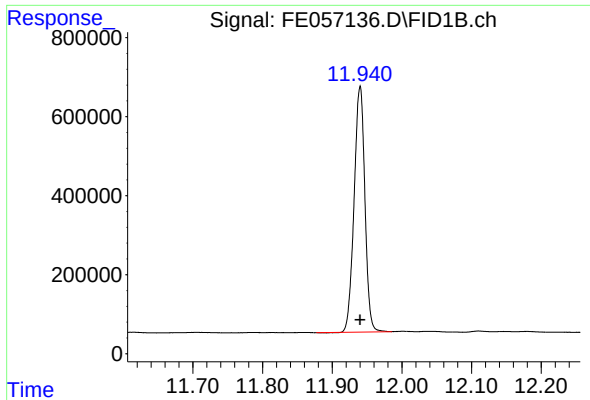
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057136.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 21:58
Operator : YP\AJ
Sample : Q3742-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
SB-1125-24

Integration File: autoint1.e
Quant Time: Dec 03 00:53:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

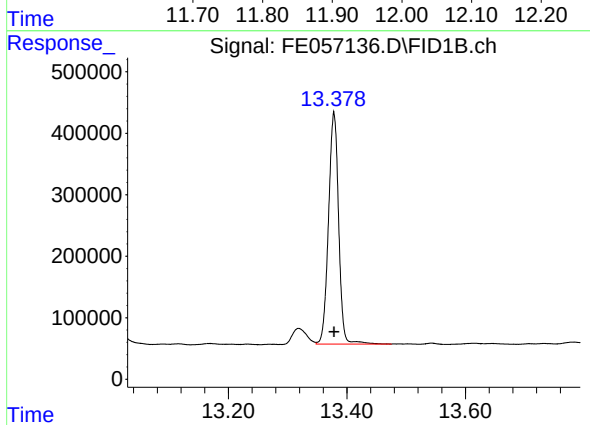




#9 ortho-Terphenyl (SURR)

R.T.: 11.940 min
Delta R.T.: 0.000 min
Response: 6685385
Conc: 30.47 ug/ml

Instrument :
FID_E
ClientSampleId :
SB-1125-24



#12 1-chlorooctadecane (SURR)

R.T.: 13.378 min
Delta R.T.: 0.000 min
Response: 4473275
Conc: 26.88 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057136.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 21:58
Sample : Q3742-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	2.640	2.541	2.679	BV	106	3768	0.06%	0.009%
2	2.686	2.679	2.695	PV	62	420	0.01%	0.001%
3	2.745	2.695	2.771	VV	205	6011	0.09%	0.014%
4	2.781	2.771	2.814	VV	179	3333	0.05%	0.008%
5	2.837	2.814	2.898	VV	231	8256	0.12%	0.019%
6	2.927	2.898	2.953	VV	209	5439	0.08%	0.013%
7	2.995	2.953	3.068	VV	332	14810	0.22%	0.035%
8	3.074	3.068	3.138	VV	284	9338	0.14%	0.022%
9	3.153	3.138	3.205	VV	239	7989	0.12%	0.019%
10	3.211	3.205	3.240	VV	252	4360	0.06%	0.010%
11	3.294	3.240	3.311	VV	401	12364	0.18%	0.029%
12	3.331	3.311	3.358	VV	316	7810	0.12%	0.018%
13	3.412	3.358	3.429	VV	364	13119	0.19%	0.031%
14	3.453	3.429	3.468	VV	378	7993	0.12%	0.019%
15	3.499	3.468	3.545	VV	456	17352	0.26%	0.041%
16	3.562	3.545	3.588	VV	444	9308	0.14%	0.022%
17	3.644	3.588	3.669	VV	765	22389	0.33%	0.052%
18	3.678	3.669	3.728	VV	392	12711	0.19%	0.030%
19	3.737	3.728	3.772	VV	416	9402	0.14%	0.022%
20	3.795	3.772	3.841	VV	595	18620	0.27%	0.044%
21	3.867	3.841	3.905	VV	441	14880	0.22%	0.035%
22	3.927	3.905	3.958	VV	572	13071	0.19%	0.031%
23	3.986	3.958	3.999	VV	466	9785	0.14%	0.023%
24	4.008	3.999	4.041	VV	426	8466	0.12%	0.020%
25	4.084	4.041	4.109	VV	545	16628	0.25%	0.039%
26	4.117	4.109	4.148	VV	460	9555	0.14%	0.022%
27	4.153	4.148	4.166	VV	379	3890	0.06%	0.009%
28	4.192	4.166	4.228	VV	453	13675	0.20%	0.032%
29	4.235	4.228	4.265	VV	389	7939	0.12%	0.019%
30	4.290	4.265	4.320	VV	506	14029	0.21%	0.033%
31	4.335	4.320	4.395	VV	472	17913	0.26%	0.042%
32	4.401	4.395	4.452	VV	426	13030	0.19%	0.030%
33	4.460	4.452	4.483	VV	385	7127	0.11%	0.017%
34	4.492	4.483	4.530	VV	467	10786	0.16%	0.025%
35	4.550	4.530	4.598	VV	716	17900	0.26%	0.042%
36	4.608	4.598	4.616	VV	370	3731	0.06%	0.009%

					rteres			
37	4.626	4.616	4.649	VV	441	6604	0.10%	0.015%
38	4.661	4.649	4.697	VV	415	9133	0.13%	0.021%
39	4.739	4.697	4.758	VV	901	18569	0.27%	0.043%
40	4.771	4.758	4.792	VV	556	9251	0.14%	0.022%
41	4.829	4.792	4.893	VV	481	20944	0.31%	0.049%
42	4.902	4.893	4.927	VV	317	5861	0.09%	0.014%
43	4.943	4.927	4.955	VV	386	5148	0.08%	0.012%
44	4.988	4.955	5.030	VV	404	14252	0.21%	0.033%
45	5.058	5.030	5.098	VV	322	10673	0.16%	0.025%
46	5.117	5.098	5.126	VV	301	4078	0.06%	0.010%
47	5.134	5.126	5.211	VV	255	9965	0.15%	0.023%
48	5.224	5.211	5.245	VV	294	4635	0.07%	0.011%
49	5.258	5.245	5.282	VV	205	3191	0.05%	0.007%
50	5.301	5.282	5.321	VV	229	3621	0.05%	0.008%
51	5.349	5.321	5.405	VV	254	8335	0.12%	0.019%
52	5.430	5.405	5.441	VV	161	2356	0.03%	0.006%
53	5.460	5.441	5.491	VV	206	4531	0.07%	0.011%
54	5.500	5.491	5.533	VV	210	4245	0.06%	0.010%
55	5.555	5.533	5.618	VV	296	9061	0.13%	0.021%
56	5.648	5.618	5.665	VV	164	3295	0.05%	0.008%
57	5.691	5.665	5.715	VV	483	7779	0.11%	0.018%
58	5.735	5.715	5.782	VV	268	6133	0.09%	0.014%
59	5.812	5.782	5.827	VV	206	3954	0.06%	0.009%
60	5.839	5.827	5.854	VV	218	2725	0.04%	0.006%
61	5.873	5.854	5.908	VV	249	5960	0.09%	0.014%
62	5.952	5.908	5.965	VV	164	3848	0.06%	0.009%
63	5.969	5.965	5.978	VV	163	1112	0.02%	0.003%
64	5.988	5.978	6.024	VV	239	5724	0.08%	0.013%
65	6.051	6.024	6.141	VV	308	13046	0.19%	0.030%
66	6.170	6.141	6.204	VV	235	5488	0.08%	0.013%
67	6.218	6.204	6.250	VV	221	3393	0.05%	0.008%
68	6.306	6.250	6.394	VV	807	41008	0.60%	0.096%
69	6.406	6.394	6.410	VV	387	3497	0.05%	0.008%
70	6.430	6.410	6.464	VV	649	12678	0.19%	0.030%
71	6.512	6.464	6.523	VV	272	8206	0.12%	0.019%
72	6.528	6.523	6.573	VV	234	6762	0.10%	0.016%
73	6.618	6.573	6.660	VV	299	11800	0.17%	0.028%
74	6.681	6.660	6.702	VV	267	4890	0.07%	0.011%
75	6.723	6.702	6.792	VV	384	10761	0.16%	0.025%
76	6.814	6.792	6.851	VV	172	4590	0.07%	0.011%
77	6.874	6.851	6.894	VV	386	5612	0.08%	0.013%
78	6.904	6.894	6.932	VV	160	2544	0.04%	0.006%
79	6.945	6.932	6.955	VV	98	949	0.01%	0.002%
80	6.962	6.955	6.980	VV	102	882	0.01%	0.002%
81	6.988	6.980	6.995	VV	75	510	0.01%	0.001%
82	7.013	6.995	7.037	PV	138	2649	0.04%	0.006%
83	7.047	7.037	7.104	VV	204	5110	0.08%	0.012%
84	7.129	7.104	7.164	VV	198	4780	0.07%	0.011%
85	7.224	7.164	7.247	VV	265	9601	0.14%	0.022%
86	7.258	7.247	7.276	VV	279	3733	0.06%	0.009%
87	7.297	7.276	7.309	VV	207	3614	0.05%	0.008%
88	7.345	7.309	7.367	VV	356	8871	0.13%	0.021%
89	7.404	7.367	7.428	VV	555	17067	0.25%	0.040%

					rteres			
90	7.442	7.428	7.499	VV	797	19561	0.29%	0.046%
91	7.525	7.499	7.538	VV	493	9757	0.14%	0.023%
92	7.541	7.538	7.561	VV	479	5327	0.08%	0.012%
93	7.568	7.561	7.598	VV	367	6569	0.10%	0.015%
94	7.614	7.598	7.650	VV	344	8477	0.12%	0.020%
95	7.672	7.650	7.750	VV	729	16001	0.24%	0.037%
96	7.767	7.750	7.801	VV	180	3415	0.05%	0.008%
97	7.849	7.801	7.878	VV	196	4427	0.07%	0.010%
98	7.897	7.878	7.905	VV	71	617	0.01%	0.001%
99	8.247	8.238	8.268	VV	1793	29785	0.44%	0.070%
100	8.284	8.268	8.300	VV	1651	29410	0.43%	0.069%
101	8.311	8.300	8.354	VV	1614	42160	0.62%	0.098%
102	8.374	8.354	8.398	VV	1380	30712	0.45%	0.072%
103	8.413	8.398	8.450	VV	1180	32655	0.48%	0.076%
104	8.462	8.450	8.478	VV	946	15175	0.22%	0.035%
105	8.499	8.478	8.515	VV	1123	21328	0.31%	0.050%
106	8.555	8.515	8.584	VV	1573	44137	0.65%	0.103%
107	8.604	8.584	8.630	VV	1138	24288	0.36%	0.057%
108	8.688	8.630	8.801	VV	2949	109161	1.61%	0.255%
109	8.805	8.801	8.851	VV	418	7976	0.12%	0.019%
110	9.083	9.069	9.188	VV	3745	187757	2.77%	0.439%
111	9.198	9.188	9.269	VV	1802	75026	1.11%	0.175%
112	9.304	9.269	9.347	VV	1706	63616	0.94%	0.149%
113	9.359	9.347	9.366	VV	1136	11847	0.17%	0.028%
114	9.387	9.366	9.424	VV	1906	45158	0.67%	0.106%
115	9.436	9.424	9.455	VV	904	14780	0.22%	0.035%
116	9.468	9.455	9.525	VV	753	23029	0.34%	0.054%
117	9.548	9.525	9.576	VV	682	16651	0.25%	0.039%
118	9.595	9.576	9.634	VV	613	14955	0.22%	0.035%
119	9.686	9.634	9.720	VV	607	21356	0.31%	0.050%
120	9.798	9.720	9.827	VV	890	35482	0.52%	0.083%
121	9.849	9.827	9.878	VV	782	16918	0.25%	0.040%
122	9.896	9.878	9.910	VV	506	7535	0.11%	0.018%
123	9.943	9.910	9.969	VV	552	13904	0.21%	0.032%
124	10.004	9.969	10.030	VV	870	13280	0.20%	0.031%
125	10.074	10.030	10.150	PV	6167	210401	3.10%	0.492%
126	10.167	10.150	10.221	VV	2736	65010	0.96%	0.152%
127	10.231	10.221	10.288	VV	950	29031	0.43%	0.068%
128	10.296	10.288	10.331	VV	570	11091	0.16%	0.026%
129	10.350	10.331	10.385	VV	415	10613	0.16%	0.025%
130	10.399	10.385	10.471	VV	269	7261	0.11%	0.017%
131	10.531	10.471	10.541	PV	1010	15679	0.23%	0.037%
132	10.556	10.541	10.585	VV	992	16586	0.24%	0.039%
133	10.650	10.585	10.677	VV	488	17585	0.26%	0.041%
134	10.706	10.677	10.754	VV	505	13779	0.20%	0.032%
135	10.782	10.754	10.813	VV	531	11018	0.16%	0.026%
136	10.838	10.813	10.861	VV	500	10554	0.16%	0.025%
137	10.875	10.861	10.891	VV	553	7527	0.11%	0.018%
138	10.910	10.891	10.935	VV	1654	23136	0.34%	0.054%
139	10.981	10.935	11.084	VV	1382	51572	0.76%	0.120%
140	11.132	11.084	11.172	VV	616	12051	0.18%	0.028%
141	11.202	11.172	11.263	PV	4974	121605	1.79%	0.284%

					rteres			
142	11.293	11.263	11.352	VV	2384	83204	1.23%	0.194%
143	11.360	11.352	11.467	VV	747	24848	0.37%	0.058%
144	11.503	11.467	11.521	PV	305	5337	0.08%	0.012%
145	11.548	11.521	11.568	VV	795	11937	0.18%	0.028%
146	11.614	11.568	11.647	VV	1836	37635	0.55%	0.088%
147	11.706	11.647	11.751	VV	1260	35135	0.52%	0.082%
148	11.787	11.751	11.802	VV	879	14458	0.21%	0.034%
149	11.814	11.802	11.840	VV	765	12166	0.18%	0.028%
150	11.860	11.840	11.887	VV	760	12206	0.18%	0.029%
151	11.940	11.887	11.986	PV	628728	6782096	100.00%	15.845%
152	12.001	11.986	12.021	VV	3794	65944	0.97%	0.154%
153	12.040	12.021	12.088	VV	3370	94178	1.39%	0.220%
154	12.110	12.088	12.131	VV	4068	69139	1.02%	0.162%
155	12.148	12.131	12.163	VV	2790	48531	0.72%	0.113%
156	12.179	12.163	12.248	VV	2936	77380	1.14%	0.181%
157	12.285	12.248	12.321	VV	2022	38224	0.56%	0.089%
158	12.378	12.321	12.387	VV	844	19909	0.29%	0.047%
159	12.418	12.387	12.442	VV	3106	50641	0.75%	0.118%
160	12.485	12.442	12.511	VV	2551	77313	1.14%	0.181%
161	12.550	12.511	12.600	VV	16244	324979	4.79%	0.759%
162	12.613	12.600	12.626	VV	2371	34600	0.51%	0.081%
163	12.644	12.626	12.664	VV	3435	56337	0.83%	0.132%
164	12.686	12.664	12.712	VV	2576	49992	0.74%	0.117%
165	12.749	12.712	12.774	VV	13575	183150	2.70%	0.428%
166	12.789	12.774	12.801	VV	1772	26879	0.40%	0.063%
167	12.810	12.801	12.837	VV	1719	28458	0.42%	0.066%
168	12.862	12.837	12.880	VV	5939	80155	1.18%	0.187%
169	12.895	12.880	12.912	VV	4119	59542	0.88%	0.139%
170	12.930	12.912	12.948	VV	3851	65290	0.96%	0.153%
171	12.961	12.948	12.980	VV	2718	40138	0.59%	0.094%
172	13.016	12.980	13.072	VV	25837	452673	6.67%	1.058%
173	13.090	13.072	13.100	VV	1938	27736	0.41%	0.065%
174	13.115	13.100	13.137	VV	2454	37873	0.56%	0.088%
175	13.168	13.137	13.194	VV	2790	60785	0.90%	0.142%
176	13.204	13.194	13.219	VV	1539	19992	0.29%	0.047%
177	13.232	13.219	13.254	VV	1653	25579	0.38%	0.060%
178	13.270	13.254	13.291	VV	1333	24621	0.36%	0.058%
179	13.319	13.291	13.348	VV	27092	470145	6.93%	1.098%
180	13.378	13.348	13.474	VV	377140	4577879	67.50%	10.695%
181	13.488	13.474	13.494	VV	1553	17765	0.26%	0.042%
182	13.502	13.494	13.522	VV	1594	22104	0.33%	0.052%
183	13.543	13.522	13.569	VV	2706	42413	0.63%	0.099%
184	13.615	13.569	13.632	VV	2358	57024	0.84%	0.133%
185	13.645	13.632	13.688	VV	1953	41826	0.62%	0.098%
186	13.708	13.688	13.718	VV	1552	19917	0.29%	0.047%
187	13.733	13.718	13.752	VV	1832	29766	0.44%	0.070%
188	13.782	13.752	13.851	VV	3852	109074	1.61%	0.255%
189	13.917	13.851	13.954	VV	7470	189918	2.80%	0.444%
190	13.968	13.954	13.984	VV	2235	32005	0.47%	0.075%
191	14.009	13.984	14.045	VV	6886	168912	2.49%	0.395%
192	14.063	14.045	14.108	VV	4250	104964	1.55%	0.245%
193	14.132	14.108	14.141	VV	2467	36153	0.53%	0.084%
194	14.162	14.141	14.170	VV	3240	48836	0.72%	0.114%

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195	14.187	14.170	14.214	VV	5256	85346	1.26%	0.199%
196	14.234	14.214	14.326	VV	2962	82588	1.22%	0.193%
197	14.353	14.326	14.368	PV	989	15278	0.23%	0.036%
198	14.391	14.368	14.410	VV	1436	25561	0.38%	0.060%
199	14.423	14.410	14.473	VV	1192	21710	0.32%	0.051%
200	14.500	14.473	14.521	PV	1756	28222	0.42%	0.066%
201	14.542	14.521	14.565	VV	1874	37290	0.55%	0.087%
202	14.605	14.565	14.625	VV	2528	65457	0.97%	0.153%
203	14.643	14.625	14.671	VV	2901	53249	0.79%	0.124%
204	14.694	14.671	14.711	VV	4412	58304	0.86%	0.136%
205	14.736	14.711	14.778	VV	3751	104423	1.54%	0.244%
206	14.795	14.778	14.817	VV	1986	33360	0.49%	0.078%
207	14.849	14.817	14.871	VV	2371	58888	0.87%	0.138%
208	14.894	14.871	14.937	VV	4988	111055	1.64%	0.259%
209	14.958	14.937	15.001	VV	2586	55290	0.82%	0.129%
210	15.017	15.001	15.035	VV	916	16137	0.24%	0.038%
211	15.092	15.035	15.126	VV	1915	61533	0.91%	0.144%
212	15.173	15.126	15.185	VV	2465	49396	0.73%	0.115%
213	15.210	15.185	15.229	VV	17404	249724	3.68%	0.583%
214	15.250	15.229	15.272	VV	16996	309486	4.56%	0.723%
215	15.280	15.272	15.336	VV	9139	162960	2.40%	0.381%
216	15.369	15.336	15.400	VV	4098	86567	1.28%	0.202%
217	15.429	15.400	15.488	VV	2676	79382	1.17%	0.185%
218	15.512	15.488	15.535	VV	1346	27411	0.40%	0.064%
219	15.564	15.535	15.591	VV	2541	56398	0.83%	0.132%
220	15.626	15.591	15.691	VV	20548	440901	6.50%	1.030%
221	15.716	15.691	15.734	VV	1692	32650	0.48%	0.076%
222	15.779	15.734	15.803	VV	6931	140273	2.07%	0.328%
223	15.831	15.803	15.864	VV	6433	117096	1.73%	0.274%
224	15.888	15.864	15.911	VV	6911	110873	1.63%	0.259%
225	15.930	15.911	15.959	VV	4325	80284	1.18%	0.188%
226	15.981	15.959	16.003	VV	2548	48292	0.71%	0.113%
227	16.048	16.003	16.100	VV	5910	203882	3.01%	0.476%
228	16.122	16.100	16.132	VV	1809	29337	0.43%	0.069%
229	16.151	16.132	16.194	VV	2026	47326	0.70%	0.111%
230	16.231	16.194	16.244	VV	2454	46563	0.69%	0.109%
231	16.260	16.244	16.294	VV	2743	43879	0.65%	0.103%
232	16.325	16.294	16.373	VV	2448	65082	0.96%	0.152%
233	16.389	16.373	16.420	VV	713	9556	0.14%	0.022%
234	16.485	16.420	16.514	PV	1104	30169	0.44%	0.070%
235	16.535	16.514	16.545	VV	822	9454	0.14%	0.022%
236	16.591	16.545	16.615	VV	1995	59264	0.87%	0.138%
237	16.644	16.615	16.691	VV	16232	351535	5.18%	0.821%
238	16.701	16.691	16.724	VV	3367	58674	0.87%	0.137%
239	16.744	16.724	16.757	VV	6265	87192	1.29%	0.204%
240	16.780	16.757	16.799	VV	22957	347226	5.12%	0.811%
241	16.813	16.799	16.877	VV	12449	256206	3.78%	0.599%
242	16.915	16.877	16.994	VV	5661	151969	2.24%	0.355%
243	17.051	16.994	17.071	PV	1594	37318	0.55%	0.087%
244	17.105	17.071	17.142	VV	16358	309922	4.57%	0.724%
245	17.169	17.142	17.197	VV	19257	346366	5.11%	0.809%
246	17.208	17.197	17.244	VV	7298	128365	1.89%	0.300%

					rteres			
247	17.272	17.244	17.325	VV	5607	170555	2.51%	0.398%
248	17.340	17.325	17.356	VV	1295	18864	0.28%	0.044%
249	17.409	17.356	17.418	VV	2373	49942	0.74%	0.117%
250	17.432	17.418	17.448	VV	2450	38721	0.57%	0.090%
251	17.460	17.448	17.497	VV	2010	33695	0.50%	0.079%
252	17.553	17.497	17.566	VV	5252	138938	2.05%	0.325%
253	17.590	17.566	17.638	VV	9697	233711	3.45%	0.546%
254	17.664	17.638	17.691	VV	13006	208492	3.07%	0.487%
255	17.705	17.691	17.729	VV	2711	50098	0.74%	0.117%
256	17.770	17.729	17.794	VV	2441	69772	1.03%	0.163%
257	17.830	17.794	17.916	VV	3757	119110	1.76%	0.278%
258	17.958	17.916	17.971	PV	1376	30395	0.45%	0.071%
259	17.982	17.971	17.995	VV	1199	14485	0.21%	0.034%
260	18.017	17.995	18.051	VV	2711	61007	0.90%	0.143%
261	18.061	18.051	18.075	VV	1505	17700	0.26%	0.041%
262	18.115	18.075	18.163	VV	14612	320555	4.73%	0.749%
263	18.194	18.163	18.217	VV	6021	102547	1.51%	0.240%
264	18.271	18.217	18.298	VV	2757	92183	1.36%	0.215%
265	18.338	18.298	18.379	VV	2556	85642	1.26%	0.200%
266	18.427	18.379	18.445	VV	5498	105872	1.56%	0.247%
267	18.471	18.445	18.503	VV	16165	337082	4.97%	0.788%
268	18.526	18.503	18.545	VV	15870	249645	3.68%	0.583%
269	18.560	18.545	18.637	VV	9758	317689	4.68%	0.742%
270	18.650	18.637	18.674	VV	3261	45818	0.68%	0.107%
271	18.701	18.674	18.710	VV	2626	40185	0.59%	0.094%
272	18.733	18.710	18.781	VV	3173	103165	1.52%	0.241%
273	18.812	18.781	18.860	VV	11746	229343	3.38%	0.536%
274	18.877	18.860	18.890	VV	1601	24247	0.36%	0.057%
275	18.936	18.890	19.003	VV	11056	304494	4.49%	0.711%
276	19.040	19.003	19.058	VV	5208	101474	1.50%	0.237%
277	19.079	19.058	19.097	VV	2943	55641	0.82%	0.130%
278	19.117	19.097	19.173	VV	2339	68730	1.01%	0.161%
279	19.218	19.173	19.239	VV	6953	128035	1.89%	0.299%
280	19.303	19.239	19.323	VV	23067	490670	7.23%	1.146%
281	19.337	19.323	19.398	VV	16173	419161	6.18%	0.979%
282	19.427	19.398	19.444	VV	5601	132543	1.95%	0.310%
283	19.469	19.444	19.538	VV	17729	393960	5.81%	0.920%
284	19.583	19.538	19.625	VV	12962	341186	5.03%	0.797%
285	19.638	19.625	19.675	VV	3912	84543	1.25%	0.198%
286	19.721	19.675	19.743	VV	8581	177815	2.62%	0.415%
287	19.753	19.743	19.771	VV	4479	65127	0.96%	0.152%
288	19.795	19.771	19.815	VV	11865	202311	2.98%	0.473%
289	19.837	19.815	19.860	VV	7317	160125	2.36%	0.374%
290	19.877	19.860	19.891	VV	5323	79046	1.17%	0.185%
291	19.910	19.891	19.928	VV	5407	101386	1.49%	0.237%
292	19.992	19.928	20.042	VV	15930	530179	7.82%	1.239%
293	20.077	20.042	20.121	VV	28771	727123	10.72%	1.699%
294	20.131	20.121	20.195	VV	9448	362580	5.35%	0.847%
295	20.200	20.195	20.231	VV	7793	162478	2.40%	0.380%
296	20.288	20.231	20.305	VV	9576	356440	5.26%	0.833%
297	20.314	20.305	20.334	VV	8993	151132	2.23%	0.353%
298	20.465	20.334	20.495	VV	15346	1080216	15.93%	2.524%
299	20.521	20.495	20.536	VV	11685	282684	4.17%	0.660%

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300	20.587	20.536	20.611	VV	12601	539300	7.95%	1.260%
301	20.659	20.611	20.685	VV	16333	609493	8.99%	1.424%
302	20.732	20.685	20.741	VV	14070	469882	6.93%	1.098%
303	20.826	20.741	20.853	VV	17404	1004080	14.80%	2.346%
304	20.866	20.853	20.890	VV	15410	340336	5.02%	0.795%
305	20.901	20.890	20.908	VV	14795	156904	2.31%	0.367%
306	20.916	20.908	20.959	VV	14783	442505	6.52%	1.034%
307	20.965	20.959	20.973	VV	14055	115818	1.71%	0.271%
308	20.984	20.973	21.035	VV	13981	498583	7.35%	1.165%
309	21.058	21.035	21.066	VV	12831	242073	3.57%	0.566%
310	21.157	21.066	21.185	VV	13656	907233	13.38%	2.120%
311	21.211	21.185	21.250	VV	13482	470412	6.94%	1.099%
312	21.262	21.250	21.270	VV	10981	129282	1.91%	0.302%
313	21.368	21.270	21.379	VV	10746	702795	10.36%	1.642%
314	21.385	21.379	21.576	VV	10516	1033568	15.24%	2.415%
315	21.646	21.576	21.679	VV	7382	415457	6.13%	0.971%
316	21.690	21.679	21.713	VV	6432	130394	1.92%	0.305%
317	21.748	21.713	21.835	VV	6440	420999	6.21%	0.984%
318	21.855	21.835	21.869	VV	4709	95705	1.41%	0.224%
319	21.921	21.869	21.951	VV	4352	208882	3.08%	0.488%
320	21.962	21.951	21.997	VV	3893	99240	1.46%	0.232%
321	22.009	21.997	22.053	VV	3470	105697	1.56%	0.247%
322	22.114	22.053	22.276	VV	5310	322375	4.75%	0.753%
Sum of corrected areas:					42802939			

Aliphatic EPH 112725.M Wed Dec 03 03:35:41 2025



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FE112725AL

AreaCount

Parameter Range	FE057079.D	FE057080.D	FE057081.D	FE057082.D	FE057083.D	
Aliphatic C9-C12	61605037.000	31277615.000	12078695.000	6106296.000	2768341.000	
Aliphatic C12-C16	41258739.000	21226436.000	8163447.000	4125032.000	1869909.000	
Aliphatic C16-C21	59019889.000	30708814.000	11879495.000	6090368.000	2836749.000	
Aliphatic C21-C28	73624885.000	39419560.000	15065933.000	8282818.000	4343612.000	
Aliphatic C28-C40	101281520.000	54740735.000	22794814.000	12906501.000	7294880.000	
Aliphatic EPH	336790070.000	177373160.000	69982384.000	37511015.000	19113491.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	200655.681333	4.674				
Aliphatic C12-C16	203177.346	4.699				
Aliphatic C16-C21	198315.7679996	3.092				
Aliphatic C21-C28	198747.045	6.825				
Aliphatic C28-C40	199899.8899996	14.74				
Aliphatic EPH	199869.8088884	5.185				

Concentration

Parameter Range	FE057079.D	FE057080.D	FE057081.D	FE057082.D	FE057083.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	FE057079.D	FE057080.D	FE057081.D	FE057082.D	FE057083.D	
Aliphatic C9-C12	205350.123333	208517.433333	201311.583333	203543.200000	184556.066666	
Aliphatic C12-C16	206293.695000	212264.360000	204086.175000	206251.600000	186990.900000	
Aliphatic C16-C21	196732.963333	204725.426666	197991.583333	203012.266666	189116.600000	

Initial Calibration Report for SequenceID : FE112725AL

Aliphatic C21-C28	184062.212500	197097.800000	188324.162500	207070.450000	217180.600000	
Aliphatic C28-C40	168802.533333	182469.116666	189956.783333	215108.350000	243162.666666	
Aliphatic EPH	187105.594444	197081.288888	194395.511111	208394.527777	212372.122222	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057079.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 12:17
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: sample.E
 Quant Time: Dec 01 07:58:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 07:57:16 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.952	21912187	99.913 ug/ml
Spiked Amount 50.000		Recovery =	199.83%
12) S 1-chlorooctadecane (S...	13.387	16734087	100.123 ug/ml
Spiked Amount 50.000		Recovery =	200.25%
Target Compounds			
1) T n-Nonane (C9)	3.305	20032402	102.382 ug/ml
2) T n-Decane (C10)	4.559	20702539	101.808 ug/ml
3) T A~Naphthalene (C11.7)	6.274	22085713	107.616 ug/ml
4) T n-Dodecane (C12)	6.732	20870096	101.844 ug/ml
5) T A~2-methylnaphthalene...	7.375	21107253	109.140 ug/ml
6) T n-Tetradecane (C14)	8.566	20485583	101.338 ug/ml
7) T n-Hexadecane (C16)	10.179	20773156	100.830 ug/ml
8) T n-Octadecane (C18)	11.628	20604069	99.790 ug/ml
10) T n-Eicosane (C20)	12.940	19440685	99.216 ug/ml
11) T n-Heneicosane (C21)	13.554	18975135	99.058 ug/ml
13) T n-Docosane (C22)	14.142	18765832	99.250 ug/ml
14) T n-Tetracosane (C24)	15.248	18530924	98.759 ug/ml
15) T n-Hexacosane (C26)	16.272	18269735	98.195 ug/ml
16) T n-Octacosane (C28)	17.224	18058394	94.781 ug/ml
17) T n-Tricontane (C30)	18.115	18497733	88.764 ug/ml
18) T n-Dotriacontane (C32)	18.950	18131393	83.894 ug/ml
19) T n-Tetratriacontane (C34)	19.735	17264372	85.119 ug/ml
20) T n-Hexatriacontane (C36)	20.476	15948521	88.913 ug/ml
21) T n-Octatriacontane (C38)	21.226	15667436	92.925 ug/ml
22) T n-Tetracontane (C40)	22.161	15772065	95.922 ug/ml

(f)=RT Delta > 1/2 Window

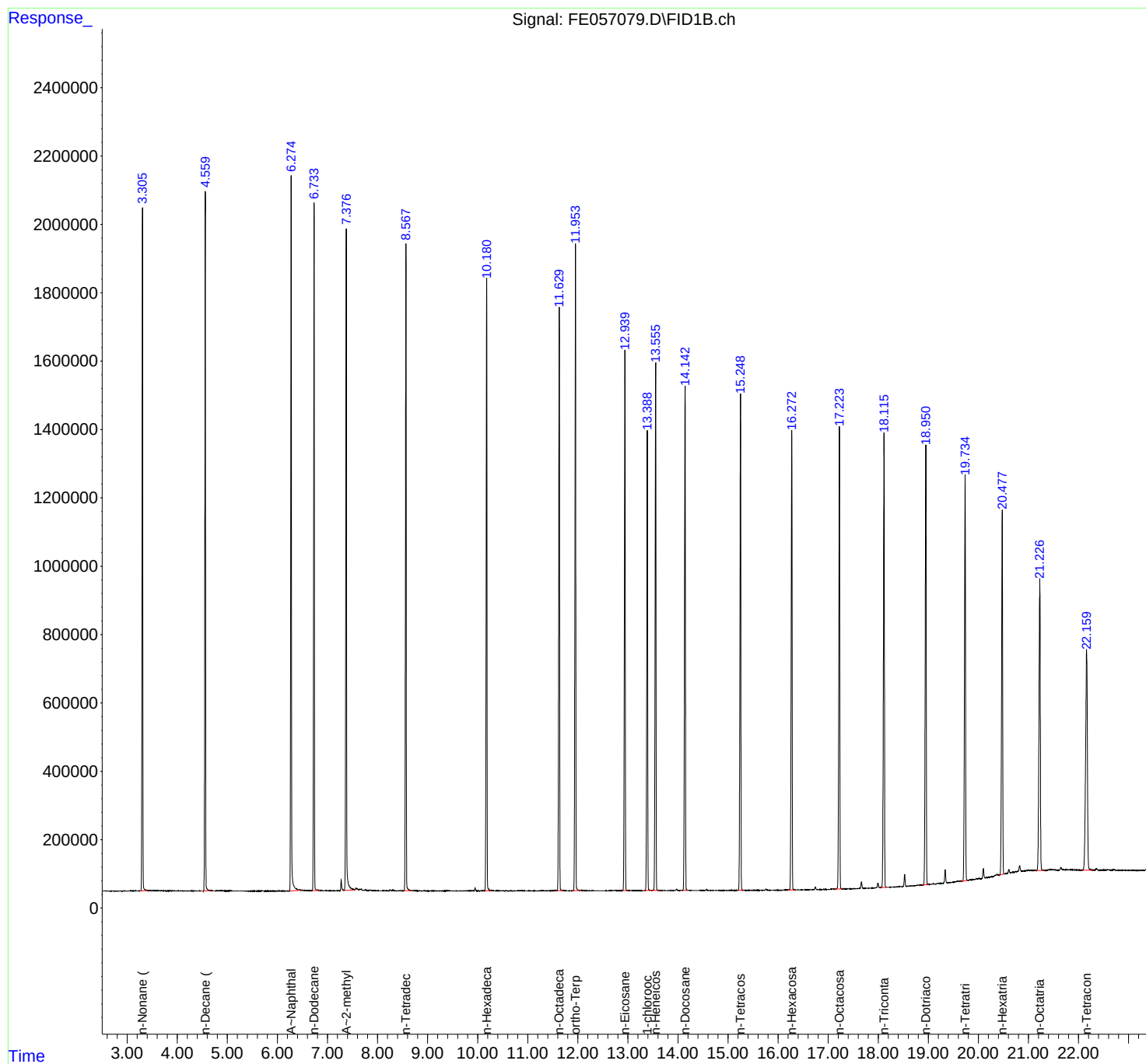
(m)=manual int.

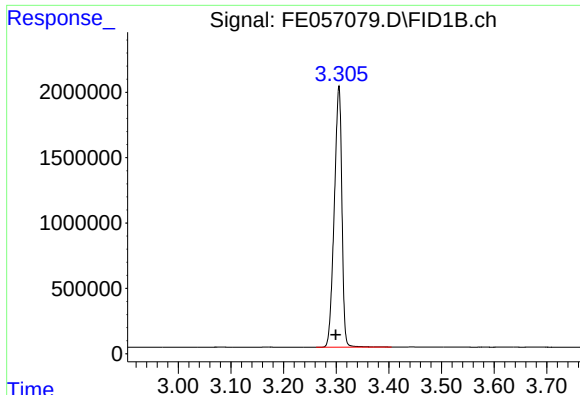
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
Data File : FE057079.D
Signal(s) : FID1B.ch
Acq On : 27 Nov 2025 12:17
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: sample.E
Quant Time: Dec 01 07:58:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 07:57:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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

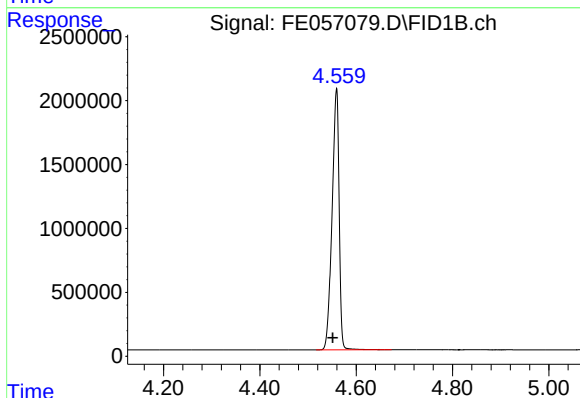




#1 n-Nonane (C9)

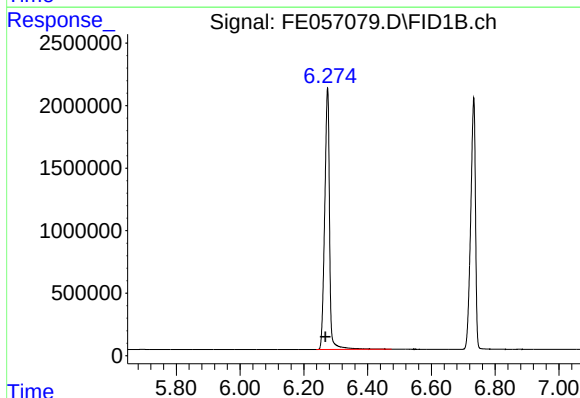
R.T.: 3.305 min
Delta R.T.: 0.006 min
Response: 20032402
Conc: 102.38 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



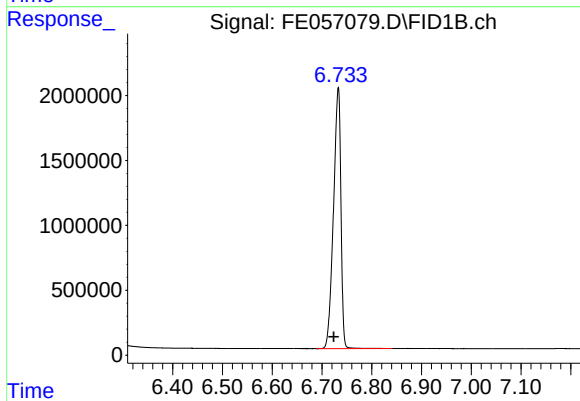
#2 n-Decane (C10)

R.T.: 4.559 min
Delta R.T.: 0.007 min
Response: 20702539
Conc: 101.81 ug/ml



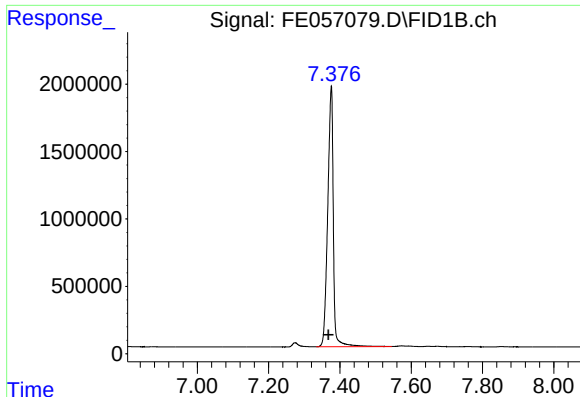
#3 A~Naphthalene (C11.7)

R.T.: 6.274 min
Delta R.T.: 0.006 min
Response: 22085713
Conc: 107.62 ug/ml



#4 n-Dodecane (C12)

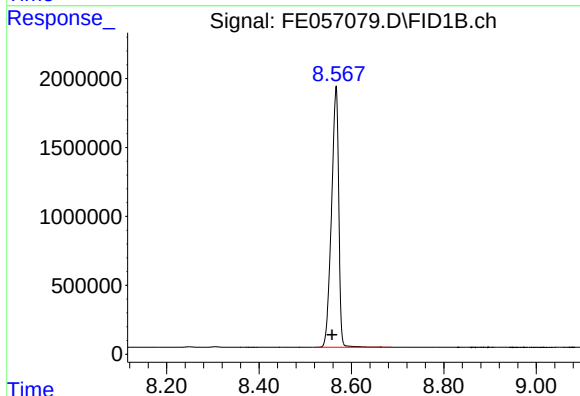
R.T.: 6.732 min
Delta R.T.: 0.008 min
Response: 20870096
Conc: 101.84 ug/ml



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

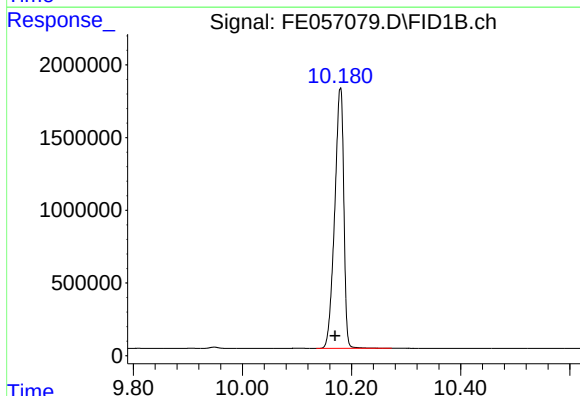
R.T.: 7.375 min
Delta R.T.: 0.008 min
Response: 21107253
Conc: 109.14 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



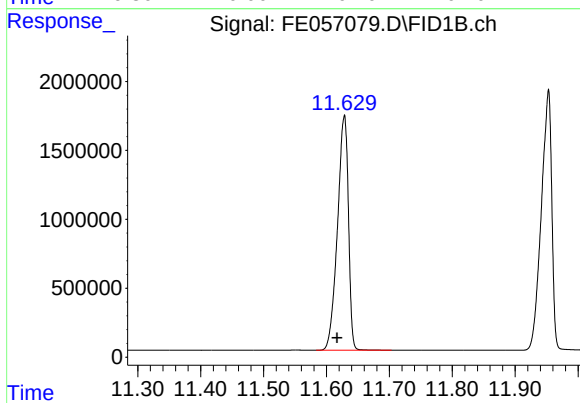
#6 n-Tetradecane (C14)

R.T.: 8.566 min
Delta R.T.: 0.009 min
Response: 20485583
Conc: 101.34 ug/ml



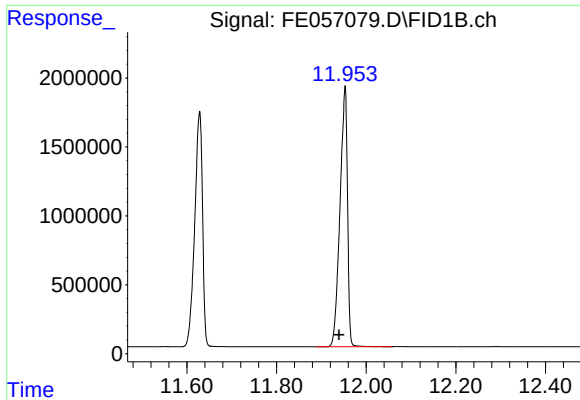
#7 n-Hexadecane (C16)

R.T.: 10.179 min
Delta R.T.: 0.009 min
Response: 20773156
Conc: 100.83 ug/ml



#8 n-Octadecane (C18)

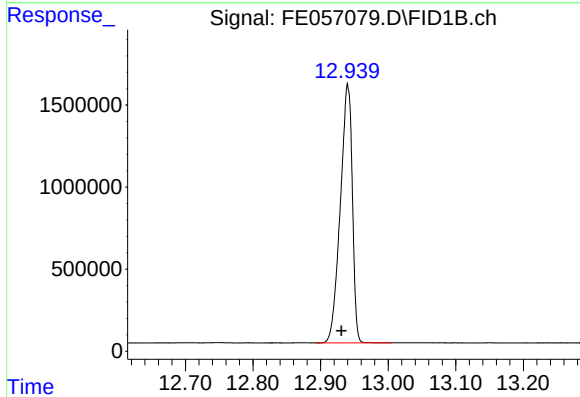
R.T.: 11.628 min
Delta R.T.: 0.011 min
Response: 20604069
Conc: 99.79 ug/ml



#9 ortho-Terphenyl (SURR)

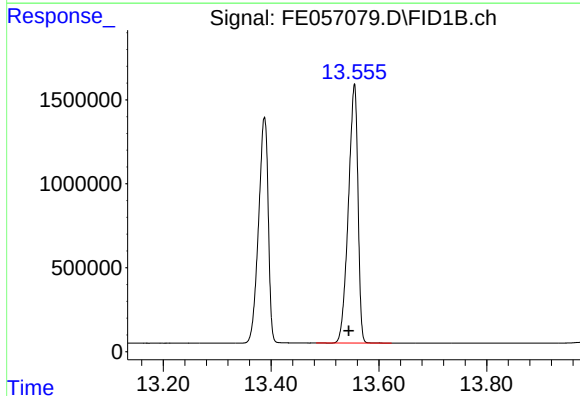
R.T.: 11.952 min
Delta R.T.: 0.012 min
Response: 21912187
Conc: 99.91 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



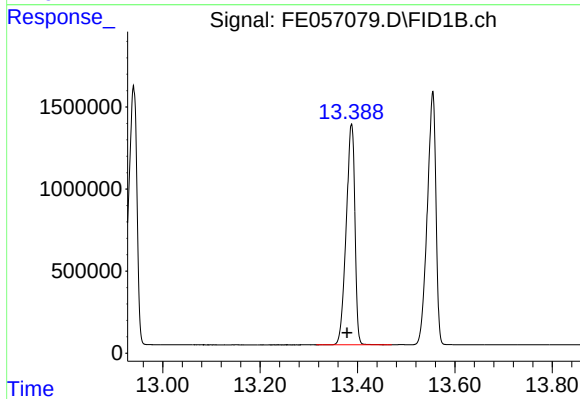
#10 n-Eicosane (C20)

R.T.: 12.940 min
Delta R.T.: 0.009 min
Response: 19440685
Conc: 99.22 ug/ml



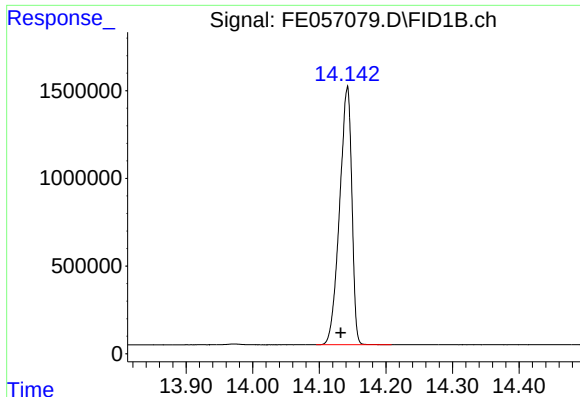
#11 n-Heneicosane (C21)

R.T.: 13.554 min
Delta R.T.: 0.010 min
Response: 18975135
Conc: 99.06 ug/ml



#12 1-chlorooctadecane (SURR)

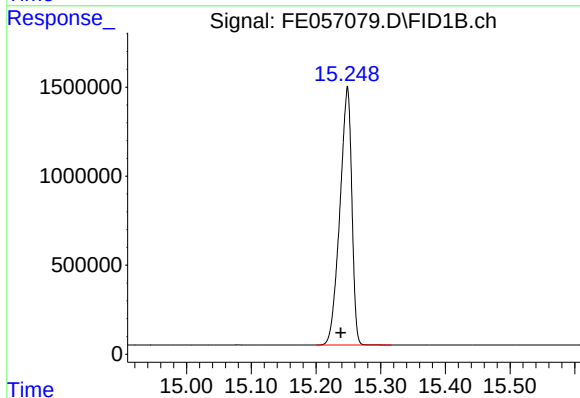
R.T.: 13.387 min
Delta R.T.: 0.009 min
Response: 16734087
Conc: 100.12 ug/ml



#13 n-Docosane (C22)

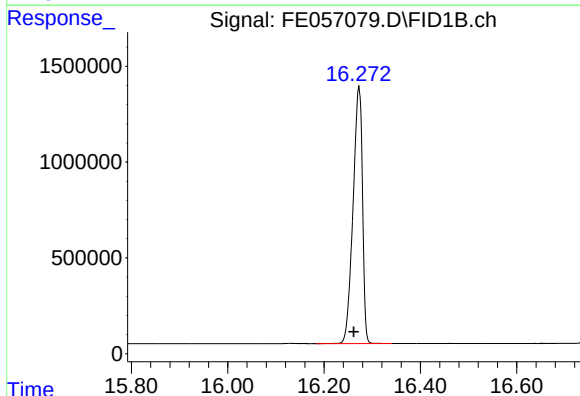
R.T.: 14.142 min
Delta R.T.: 0.009 min
Response: 18765832
Conc: 99.25 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



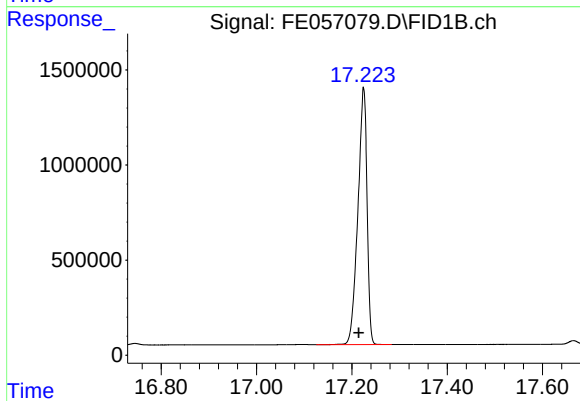
#14 n-Tetracosane (C24)

R.T.: 15.248 min
Delta R.T.: 0.010 min
Response: 18530924
Conc: 98.76 ug/ml



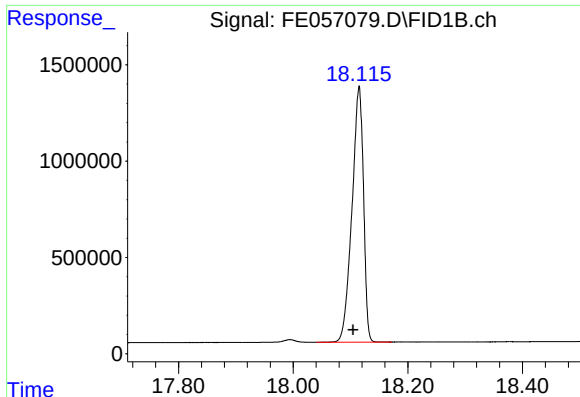
#15 n-Hexacosane (C26)

R.T.: 16.272 min
Delta R.T.: 0.010 min
Response: 18269735
Conc: 98.20 ug/ml



#16 n-Octacosane (C28)

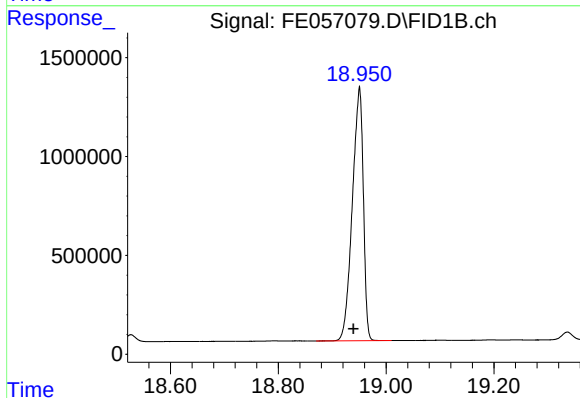
R.T.: 17.224 min
Delta R.T.: 0.010 min
Response: 18058394
Conc: 94.78 ug/ml



#17 n-Tricontane (C30)

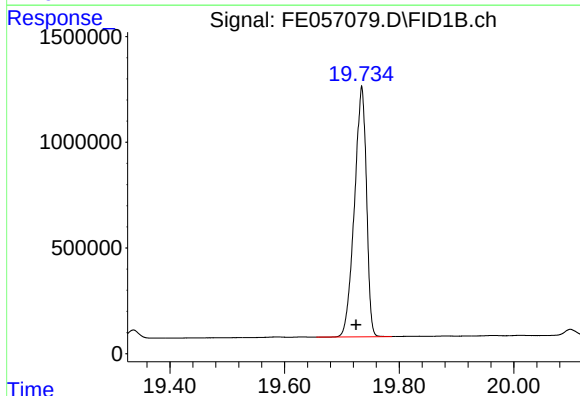
R.T.: 18.115 min
Delta R.T.: 0.010 min
Response: 18497733
Conc: 88.76 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



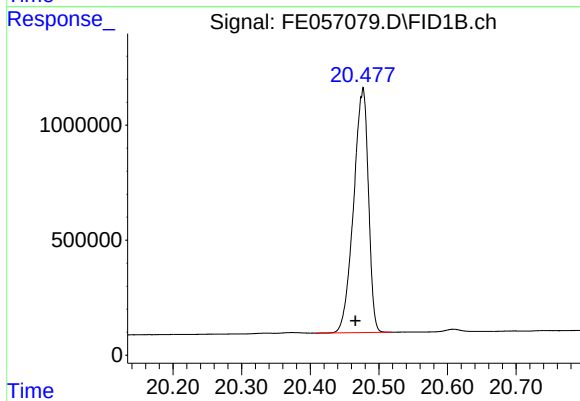
#18 n-Dotriacontane (C32)

R.T.: 18.950 min
Delta R.T.: 0.011 min
Response: 18131393
Conc: 83.89 ug/ml



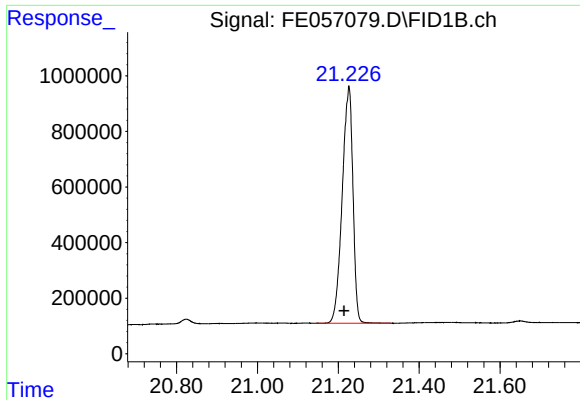
#19 n-Tetratriacontane (C34)

R.T.: 19.735 min
Delta R.T.: 0.010 min
Response: 17264372
Conc: 85.12 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.476 min
Delta R.T.: 0.010 min
Response: 15948521
Conc: 88.91 ug/ml



#21 n-Octatriacontane (C38)

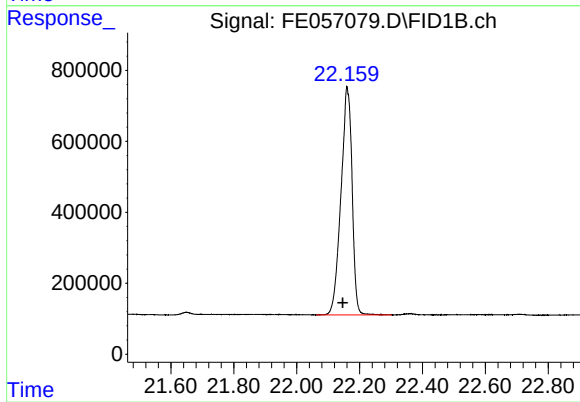
R.T.: 21.226 min
Delta R.T.: 0.012 min
Response: 15667436
Conc: 92.93 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.161 min
Delta R.T.: 0.014 min
Response: 15772065
Conc: 95.92 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057079.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 12:17
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.305	3.262	3.405	BB	2004999	20032402	90.70%	4.785%
2	4.559	4.517	4.674	BB	2037297	20702539	93.74%	4.945%
3	6.274	6.239	6.475	BB	2085334	22085713	100.00%	5.276%
4	6.732	6.689	6.840	BB	1991584	20870096	94.50%	4.985%
5	7.375	7.333	7.545	VV	1923181	21107253	95.57%	5.042%
6	8.566	8.524	8.687	BB	1901958	20485583	92.75%	4.893%
7	10.179	10.135	10.274	BB	1794006	20773156	94.06%	4.962%
8	11.628	11.584	11.704	BB	1707246	20604069	93.29%	4.922%
9	11.952	11.889	12.057	BB	1866752	21912187	99.21%	5.234%
10	12.940	12.894	13.005	BB	1574265	19440685	88.02%	4.644%
11	13.388	13.315	13.470	BB	1344578	16734087	75.77%	3.997%
12	13.554	13.484	13.624	BB	1535018	18975135	85.92%	4.533%
13	14.142	14.095	14.209	BB	1465698	18765832	84.97%	4.483%
14	15.248	15.200	15.317	BB	1454610	18530924	83.90%	4.427%
15	16.272	16.184	16.340	BB	1338632	18269735	82.72%	4.364%
16	17.224	17.125	17.284	BB	1349445	18058394	81.77%	4.314%
17	18.115	18.040	18.172	BB	1333893	18497733	83.75%	4.419%
18	18.950	18.870	19.010	BB	1282735	18131393	82.10%	4.331%
19	19.735	19.655	19.787	BV	1188265	17264372	78.17%	4.124%
20	20.476	20.409	20.519	BB	1067077	15948521	72.21%	3.810%
21	21.226	21.145	21.332	BB	850741	15667436	70.94%	3.743%
22	22.161	22.062	22.302	BB	642352	15772065	71.41%	3.768%
Sum of corrected areas:						418629310		

Aliphatic EPH 112725.M Mon Dec 01 08:15:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057080.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 12:47
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: sample.E
 Quant Time: Dec 01 07:58:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 07:57:16 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.945	11338527	51.700 ug/ml
Spiked Amount 50.000		Recovery =	103.40%
12) S 1-chlorooctadecane (S...	13.382	8686353	51.972 ug/ml
Spiked Amount 50.000		Recovery =	103.94%
Target Compounds			
1) T n-Nonane (C9)	3.301	10181724	52.037 ug/ml
2) T n-Decane (C10)	4.554	10507352	51.672 ug/ml
3) T A~Naphthalene (C11.7)	6.269	11023314	53.713 ug/ml
4) T n-Dodecane (C12)	6.727	10588539	51.671 ug/ml
5) T A~2-methylnaphthalene...	7.369	10490219	54.242 ug/ml
6) T n-Tetradecane (C14)	8.561	10501579	51.949 ug/ml
7) T n-Hexadecane (C16)	10.174	10724857	52.057 ug/ml
8) T n-Octadecane (C18)	11.622	10702524	51.834 ug/ml
10) T n-Eicosane (C20)	12.935	10128886	51.693 ug/ml
11) T n-Heneicosane (C21)	13.548	9877404	51.564 ug/ml
13) T n-Docosane (C22)	14.136	9855250	52.123 ug/ml
14) T n-Tetracosane (C24)	15.242	9936631	52.957 ug/ml
15) T n-Hexacosane (C26)	16.266	9814397	52.750 ug/ml
16) T n-Octacosane (C28)	17.219	9813282	51.506 ug/ml
17) T n-Tricontane (C30)	18.109	10211769	49.003 ug/ml
18) T n-Dotriacontane (C32)	18.944	10157241	46.997 ug/ml
19) T n-Tetratriacontane (C34)	19.730	9478160	46.731 ug/ml
20) T n-Hexatriacontane (C36)	20.472	8500505	47.390 ug/ml
21) T n-Octatriacontane (C38)	21.219	8187666	48.562 ug/ml
22) T n-Tetracontane (C40)	22.152	8205394	49.903 ug/ml

(f)=RT Delta > 1/2 Window

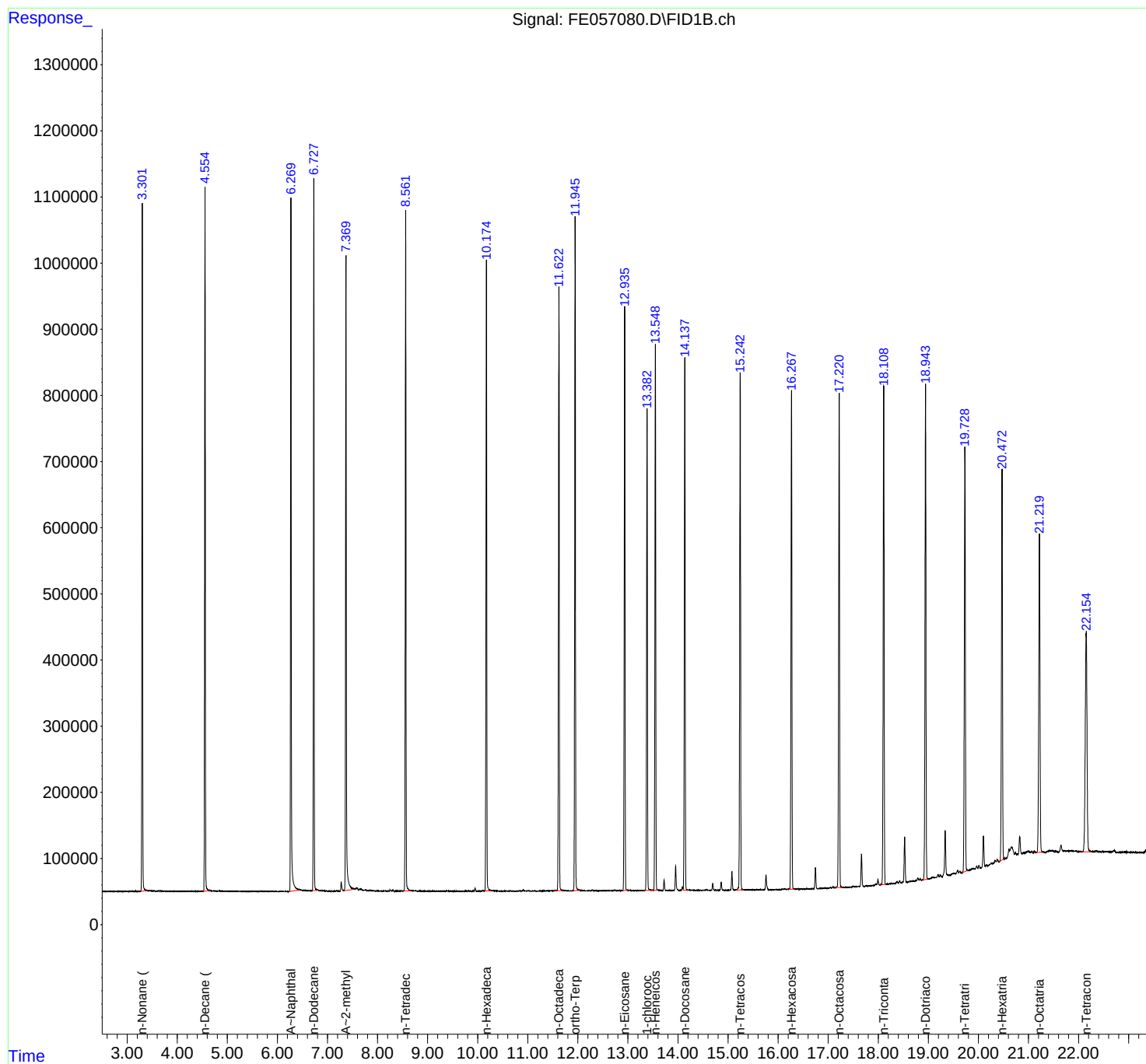
(m)=manual int.

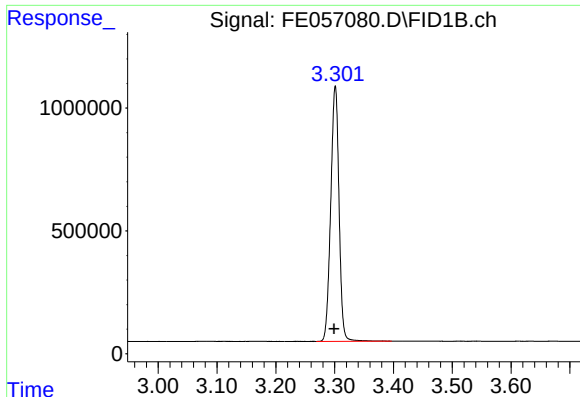
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
Data File : FE057080.D
Signal(s) : FID1B.ch
Acq On : 27 Nov 2025 12:47
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: sample.E
Quant Time: Dec 01 07:58:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 07:57:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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

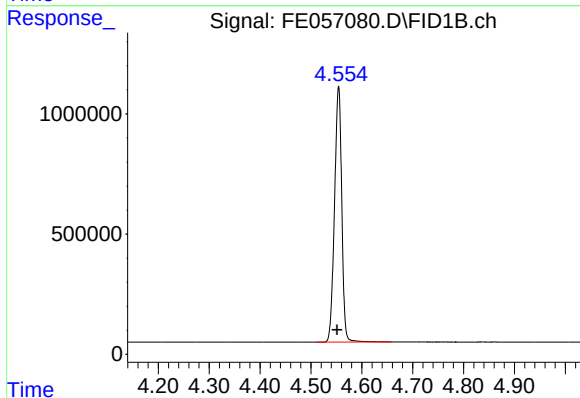




#1 n-Nonane (C9)

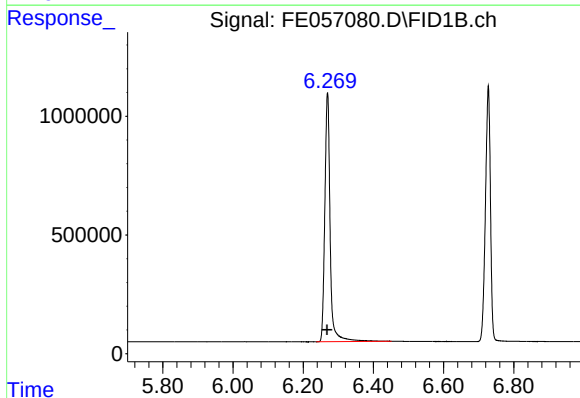
R.T.: 3.301 min
Delta R.T.: 0.002 min
Response: 10181724
Conc: 52.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



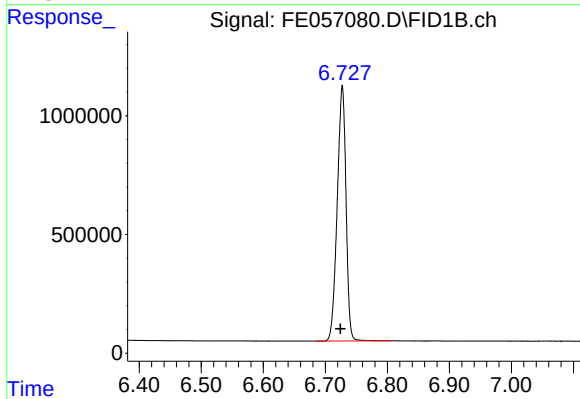
#2 n-Decane (C10)

R.T.: 4.554 min
Delta R.T.: 0.003 min
Response: 10507352
Conc: 51.67 ug/ml



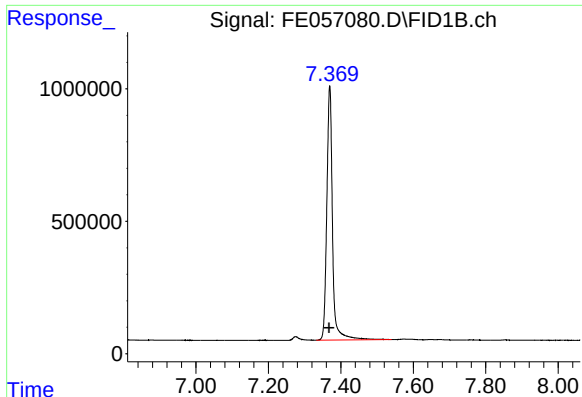
#3 A~Naphthalene (C11.7)

R.T.: 6.269 min
Delta R.T.: 0.001 min
Response: 11023314
Conc: 53.71 ug/ml



#4 n-Dodecane (C12)

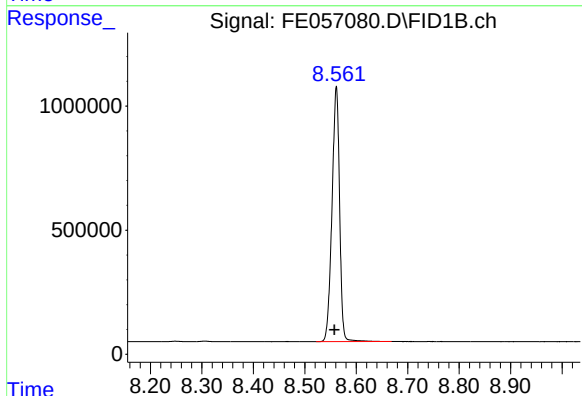
R.T.: 6.727 min
Delta R.T.: 0.003 min
Response: 10588539
Conc: 51.67 ug/ml



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

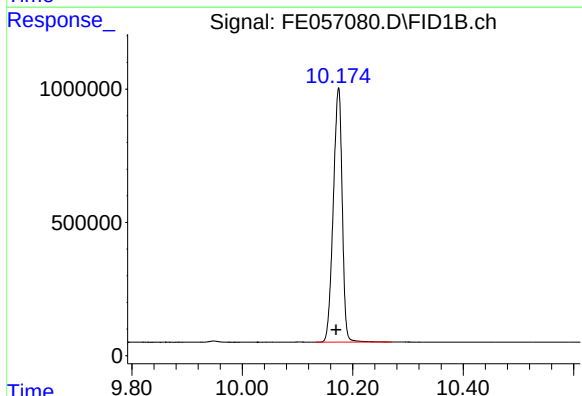
R.T.: 7.369 min
Delta R.T.: 0.002 min
Response: 10490219
Conc: 54.24 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



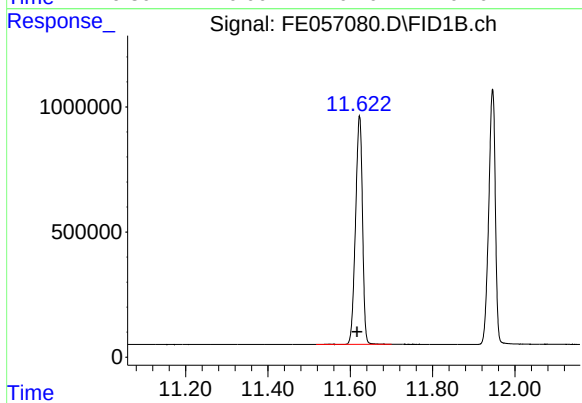
#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: 0.003 min
Response: 10501579
Conc: 51.95 ug/ml



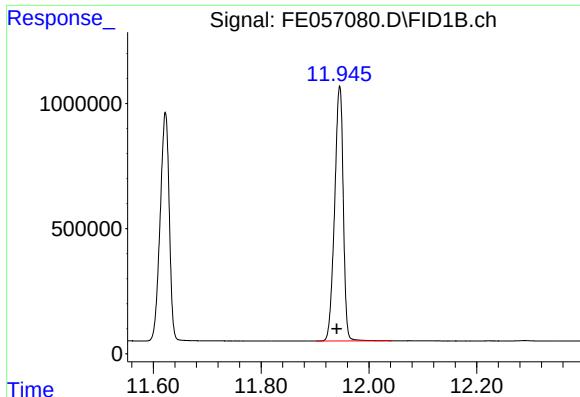
#7 n-Hexadecane (C16)

R.T.: 10.174 min
Delta R.T.: 0.004 min
Response: 10724857
Conc: 52.06 ug/ml



#8 n-Octadecane (C18)

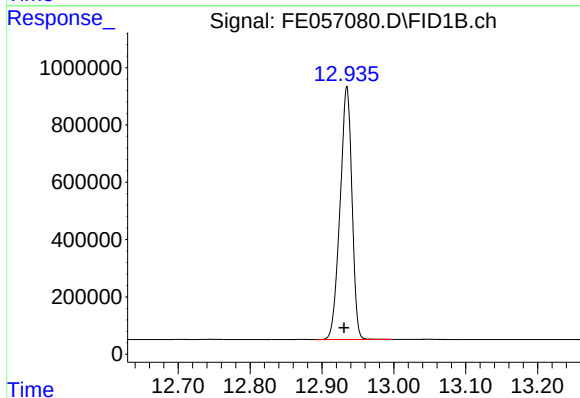
R.T.: 11.622 min
Delta R.T.: 0.005 min
Response: 10702524
Conc: 51.83 ug/ml



#9 ortho-Terphenyl (SURR)

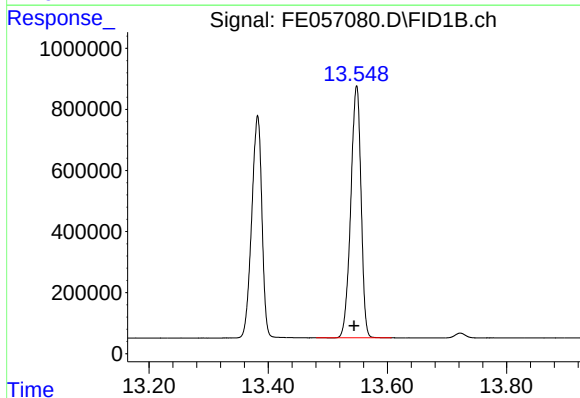
R.T.: 11.945 min
Delta R.T.: 0.006 min
Response: 11338527
Conc: 51.70 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



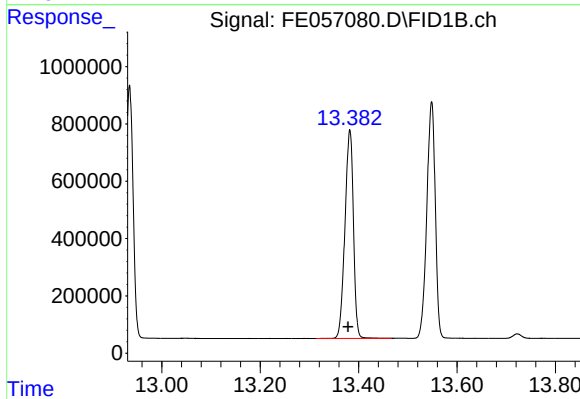
#10 n-Eicosane (C20)

R.T.: 12.935 min
Delta R.T.: 0.004 min
Response: 10128886
Conc: 51.69 ug/ml



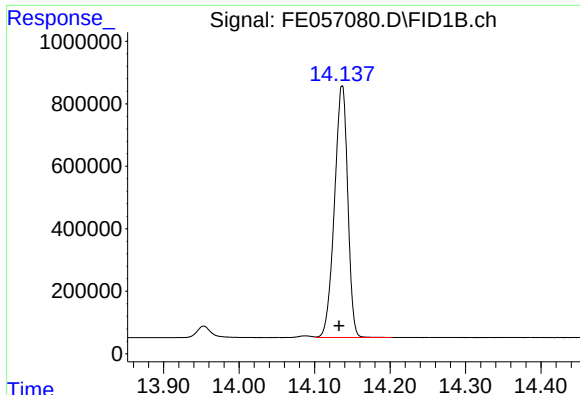
#11 n-Heneicosane (C21)

R.T.: 13.548 min
Delta R.T.: 0.004 min
Response: 9877404
Conc: 51.56 ug/ml



#12 1-chlorooctadecane (SURR)

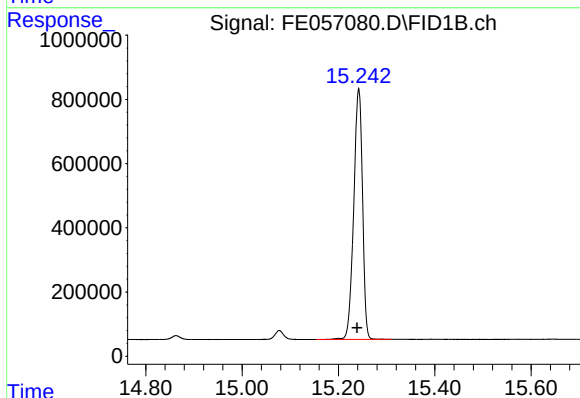
R.T.: 13.382 min
Delta R.T.: 0.004 min
Response: 8686353
Conc: 51.97 ug/ml



#13 n-Docosane (C22)

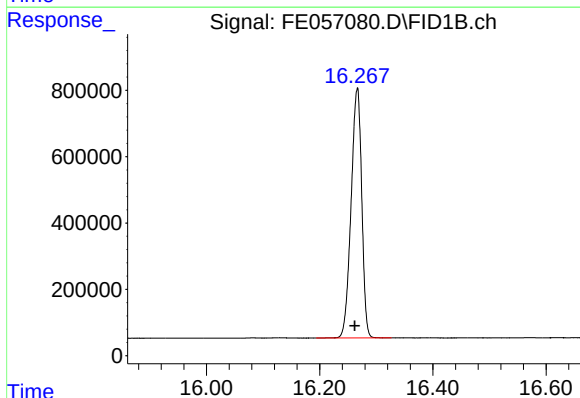
R.T.: 14.136 min
Delta R.T.: 0.004 min
Response: 9855250
Conc: 52.12 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



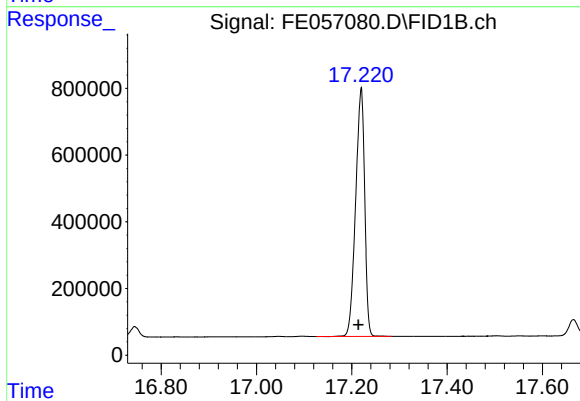
#14 n-Tetracosane (C24)

R.T.: 15.242 min
Delta R.T.: 0.004 min
Response: 9936631
Conc: 52.96 ug/ml



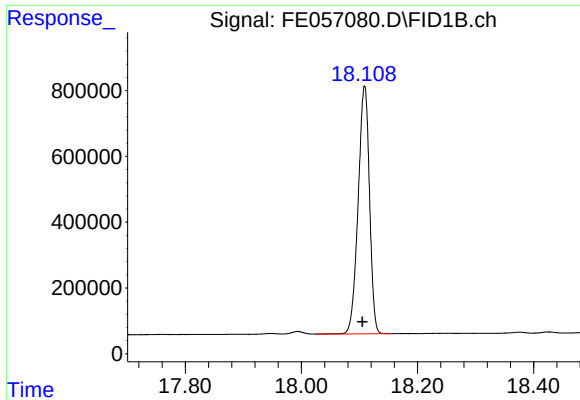
#15 n-Hexacosane (C26)

R.T.: 16.266 min
Delta R.T.: 0.004 min
Response: 9814397
Conc: 52.75 ug/ml



#16 n-Octacosane (C28)

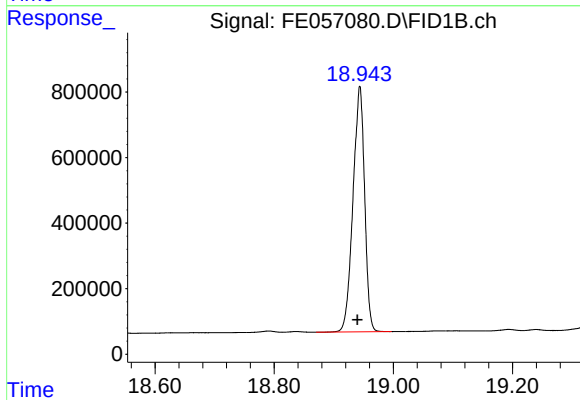
R.T.: 17.219 min
Delta R.T.: 0.005 min
Response: 9813282
Conc: 51.51 ug/ml



#17 n-Tricontane (C30)

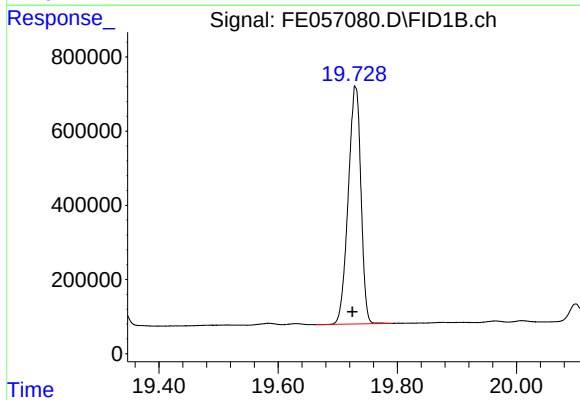
R.T.: 18.109 min
Delta R.T.: 0.004 min
Response: 10211769
Conc: 49.00 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



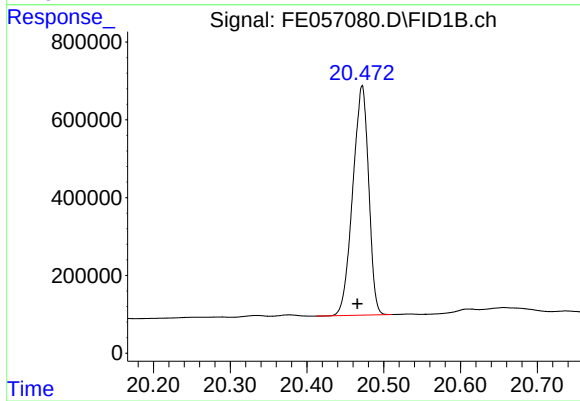
#18 n-Dotriacontane (C32)

R.T.: 18.944 min
Delta R.T.: 0.004 min
Response: 10157241
Conc: 47.00 ug/ml



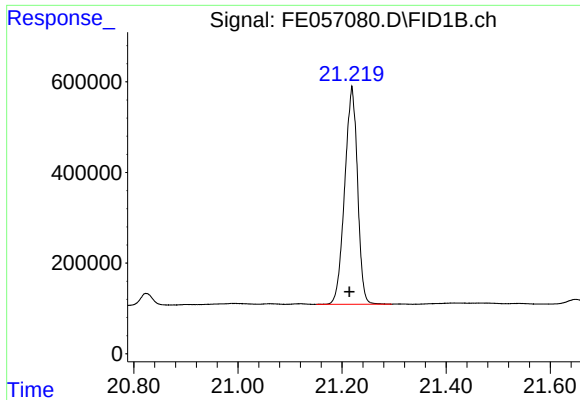
#19 n-Tetratriacontane (C34)

R.T.: 19.730 min
Delta R.T.: 0.005 min
Response: 9478160
Conc: 46.73 ug/ml



#20 n-Hexatriacontane (C36)

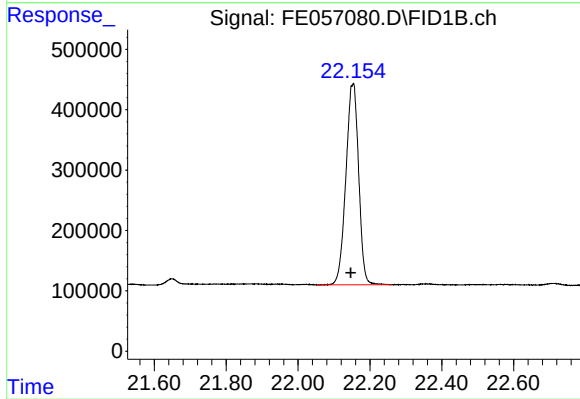
R.T.: 20.472 min
Delta R.T.: 0.006 min
Response: 8500505
Conc: 47.39 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.219 min
Delta R.T.: 0.005 min
Response: 8187666
Conc: 48.56 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.152 min
Delta R.T.: 0.006 min
Response: 8205394
Conc: 49.90 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
Data File : FE057080.D
Signal(s) : FID1B.ch
Acq On : 27 Nov 2025 12:47
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.301	3.269	3.397	BB	1039998	10181724	89.80%	4.651%
2	4.554	4.510	4.659	BB	1062040	10507352	92.67%	4.800%
3	6.269	6.237	6.452	BB	1050349	11023314	97.22%	5.036%
4	6.727	6.685	6.807	BB	1075637	10588539	93.39%	4.837%
5	7.369	7.332	7.540	BB	961150	10490219	92.52%	4.792%
6	8.561	8.522	8.669	BB	1032836	10501579	92.62%	4.797%
7	10.174	10.134	10.270	BB	951485	10724857	94.59%	4.899%
8	11.622	11.517	11.700	BB	914280	10702524	94.39%	4.889%
9	11.946	11.902	12.042	BB	1019487	11338527	100.00%	5.180%
10	12.935	12.892	12.997	BB	885928	10128886	89.33%	4.627%
11	13.382	13.314	13.467	BB	729519	8686353	76.61%	3.968%
12	13.548	13.480	13.607	BB	827656	9877404	87.11%	4.512%
13	14.136	14.102	14.202	VB	807588	9855250	86.92%	4.502%
14	15.242	15.154	15.310	BB	780819	9936631	87.64%	4.539%
15	16.266	16.194	16.327	BB	757237	9814397	86.56%	4.483%
16	17.219	17.125	17.284	BB	741457	9813282	86.55%	4.483%
17	18.109	18.025	18.155	PB	755216	10211769	90.06%	4.665%
18	18.944	18.870	18.997	BB	751186	10157241	89.58%	4.640%
19	19.730	19.664	19.790	BB	637434	9478160	83.59%	4.330%
20	20.472	20.412	20.510	BV	590942	8500505	74.97%	3.883%
21	21.219	21.150	21.295	BB	480348	8187666	72.21%	3.740%
22	22.152	22.050	22.260	BB	331986	8205394	72.37%	3.748%
Sum of corrected areas:						218911571		

Aliphatic EPH 112725.M Mon Dec 01 08:15:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057081.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 13:17
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: sample.E
 Quant Time: Dec 01 07:58:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 07:57:16 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.940	4386274	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.378	3342691	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.299	3913269	20.000 ug/ml
2) T n-Decane (C10)	4.551	4066962	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.268	4104533	20.000 ug/ml
4) T n-Dodecane (C12)	6.724	4098464	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.368	3867913	20.000 ug/ml
6) T n-Tetradecane (C14)	8.558	4043026	20.000 ug/ml
7) T n-Hexadecane (C16)	10.170	4120421	20.000 ug/ml
8) T n-Octadecane (C18)	11.617	4129503	20.000 ug/ml
10) T n-Eicosane (C20)	12.931	3918861	20.000 ug/ml
11) T n-Heneicosane (C21)	13.544	3831131	20.000 ug/ml
13) T n-Docosane (C22)	14.132	3781526	20.000 ug/ml
14) T n-Tetracosane (C24)	15.238	3752748	20.000 ug/ml
15) T n-Hexacosane (C26)	16.262	3721100	20.000 ug/ml
16) T n-Octacosane (C28)	17.214	3810559	20.000 ug/ml
17) T n-Tricontane (C30)	18.105	4167826	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.940	4322475	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.725	4056506	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.466	3587436	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.214	3372052	20.000 ug/ml
22) T n-Tetracontane (C40)	22.146	3288519	20.000 ug/ml

(f)=RT Delta > 1/2 Window

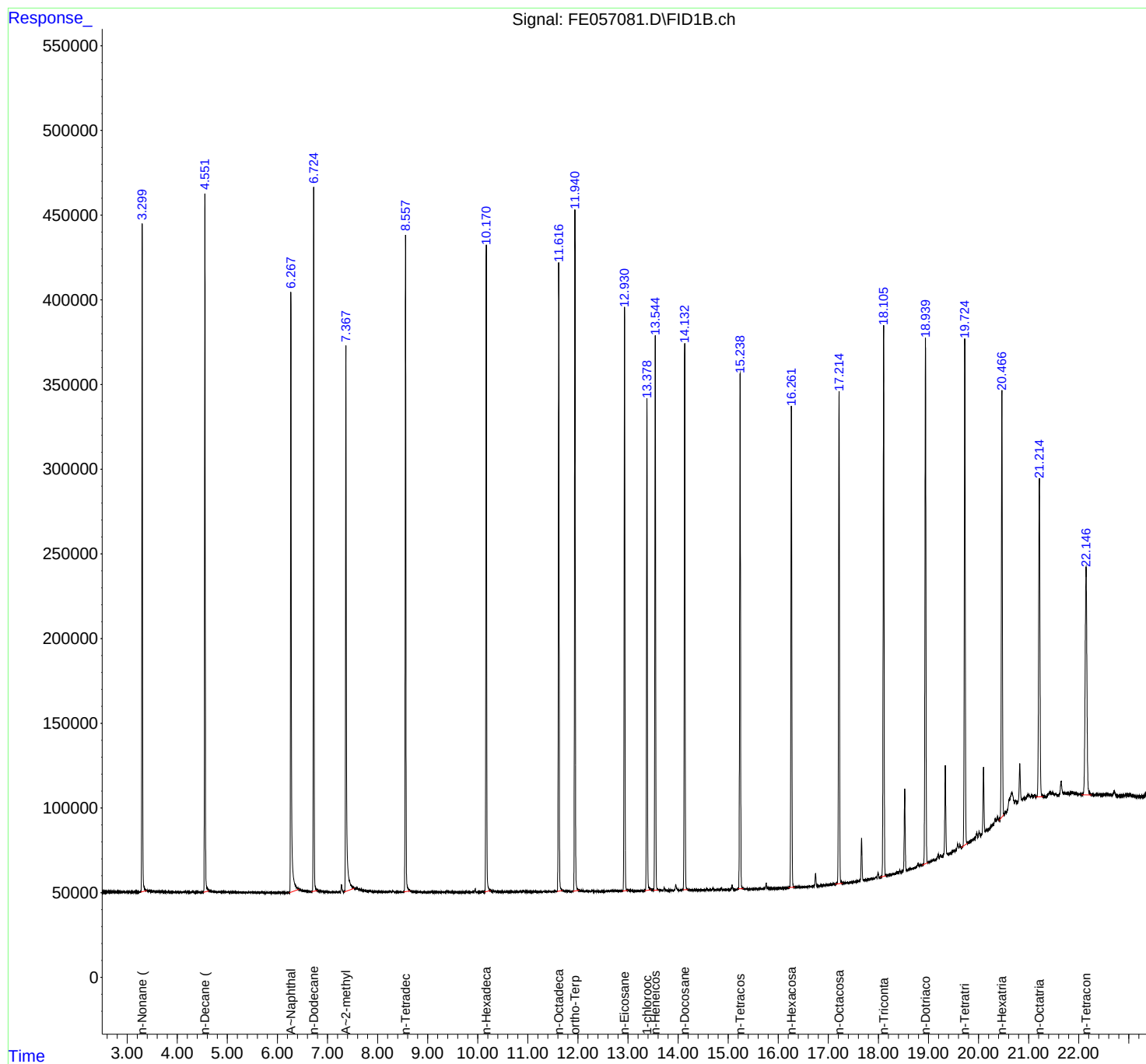
(m)=manual int.

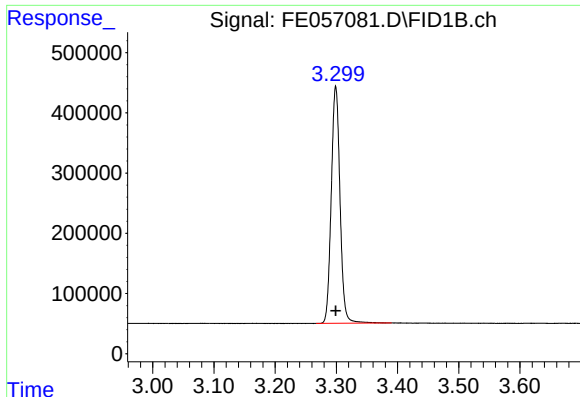
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
Data File : FE057081.D
Signal(s) : FID1B.ch
Acq On : 27 Nov 2025 13:17
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: sample.E
Quant Time: Dec 01 07:58:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 07:57:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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

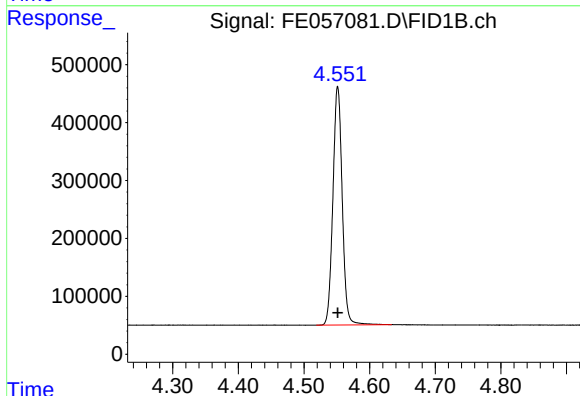




#1 n-Nonane (C9)

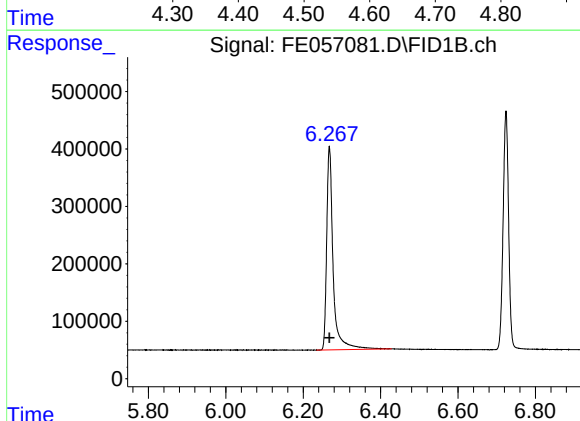
R.T.: 3.299 min
Delta R.T.: 0.000 min
Response: 3913269
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



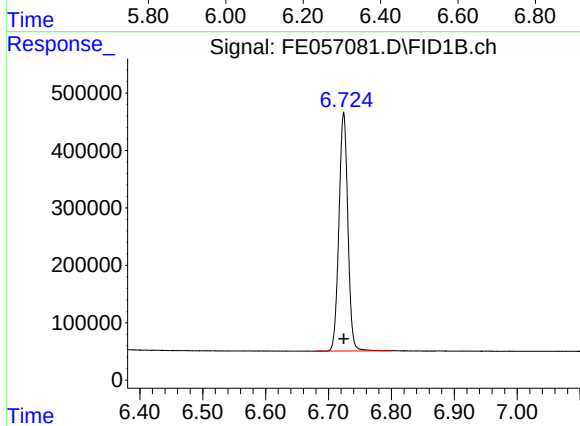
#2 n-Decane (C10)

R.T.: 4.551 min
Delta R.T.: 0.000 min
Response: 4066962
Conc: 20.00 ug/ml



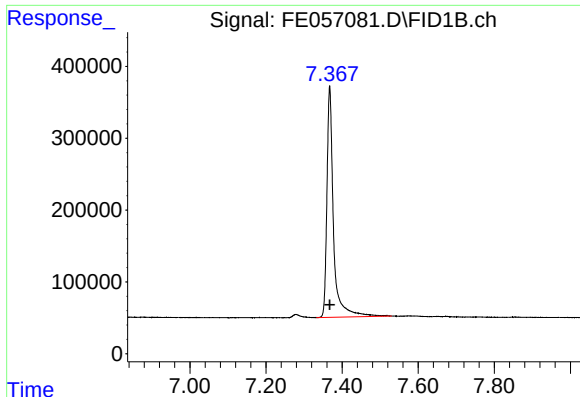
#3 A~Naphthalene (C11.7)

R.T.: 6.268 min
Delta R.T.: 0.000 min
Response: 4104533
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

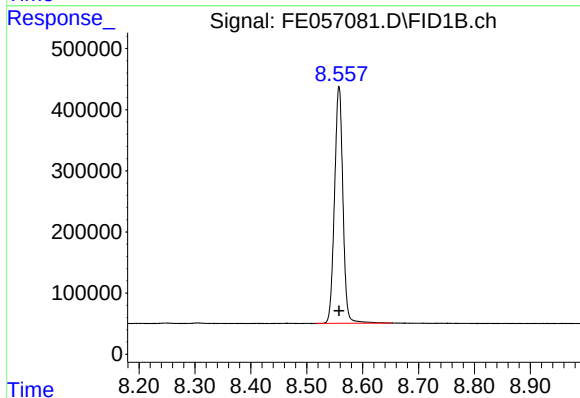
R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 4098464
Conc: 20.00 ug/ml



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

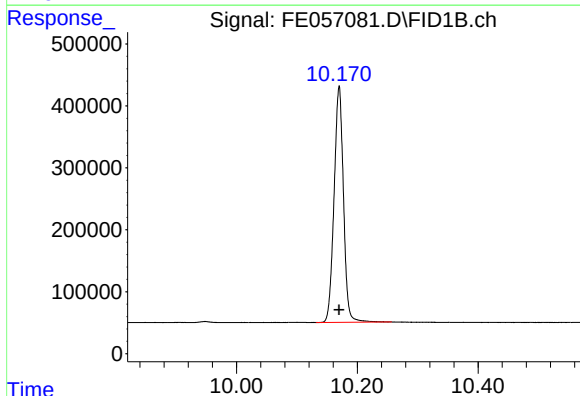
R.T.: 7.368 min
Delta R.T.: 0.000 min
Response: 3867913
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



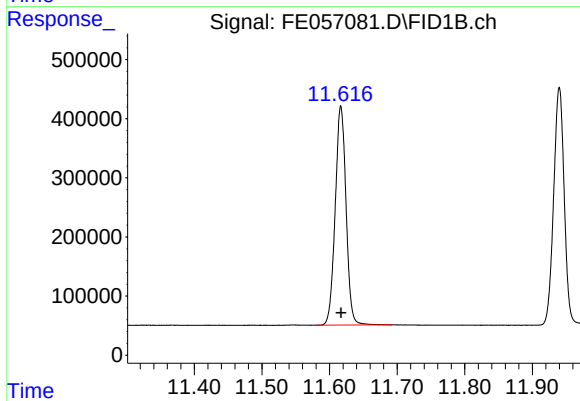
#6 n-Tetradecane (C14)

R.T.: 8.558 min
Delta R.T.: 0.000 min
Response: 4043026
Conc: 20.00 ug/ml



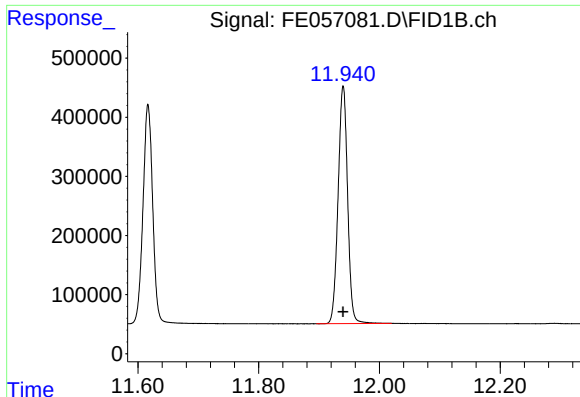
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: 0.000 min
Response: 4120421
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

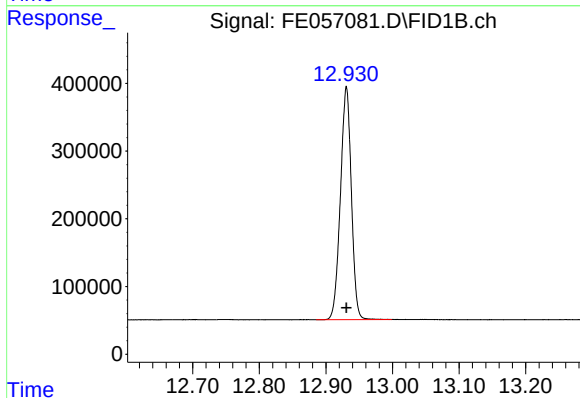
R.T.: 11.617 min
Delta R.T.: 0.000 min
Response: 4129503
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

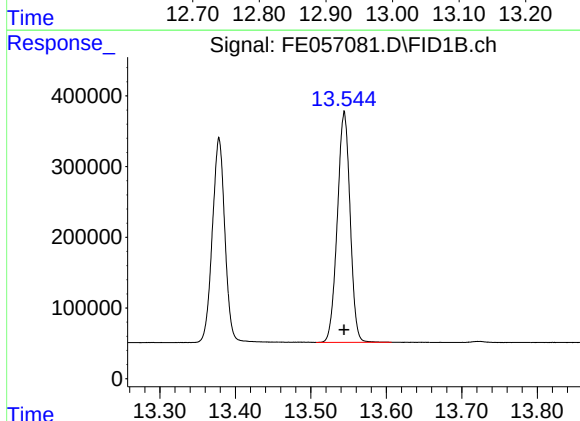
R.T.: 11.940 min
Delta R.T.: 0.000 min
Response: 4386274
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



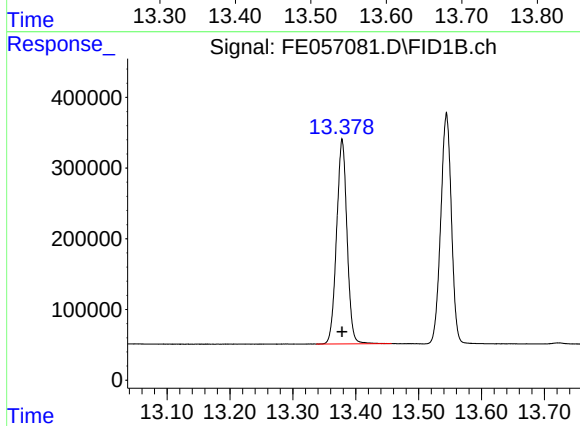
#10 n-Eicosane (C20)

R.T.: 12.931 min
Delta R.T.: 0.000 min
Response: 3918861
Conc: 20.00 ug/ml



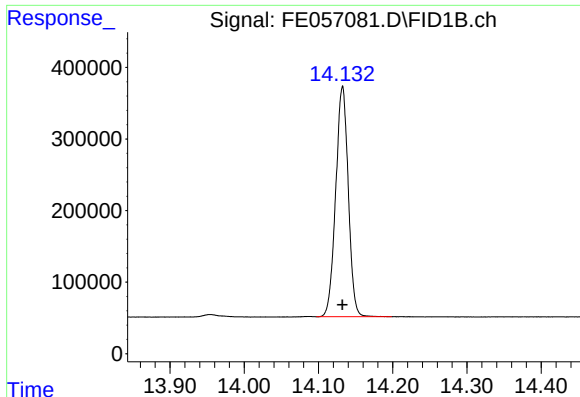
#11 n-Heneicosane (C21)

R.T.: 13.544 min
Delta R.T.: 0.000 min
Response: 3831131
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

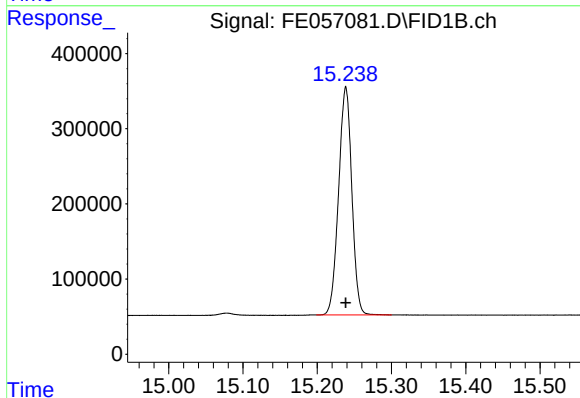
R.T.: 13.378 min
Delta R.T.: 0.000 min
Response: 3342691
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

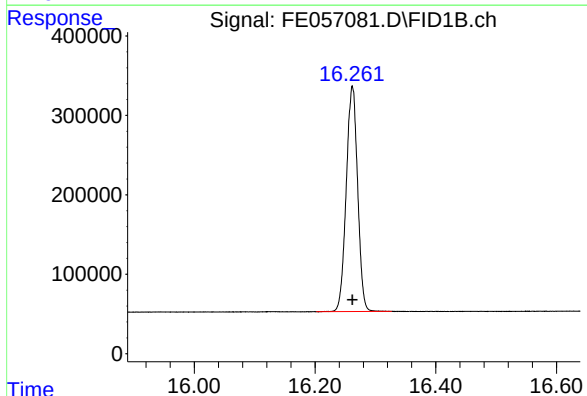
R.T.: 14.132 min
Delta R.T.: 0.000 min
Response: 3781526
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



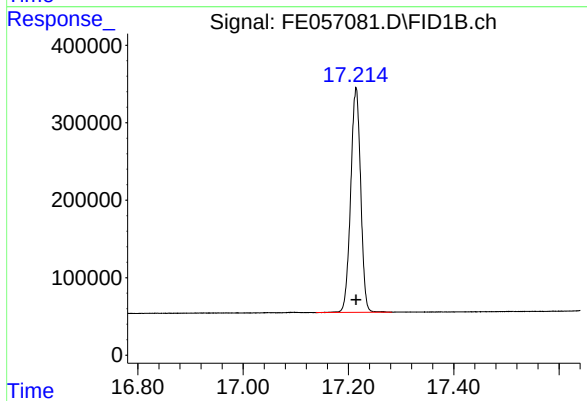
#14 n-Tetracosane (C24)

R.T.: 15.238 min
Delta R.T.: 0.000 min
Response: 3752748
Conc: 20.00 ug/ml



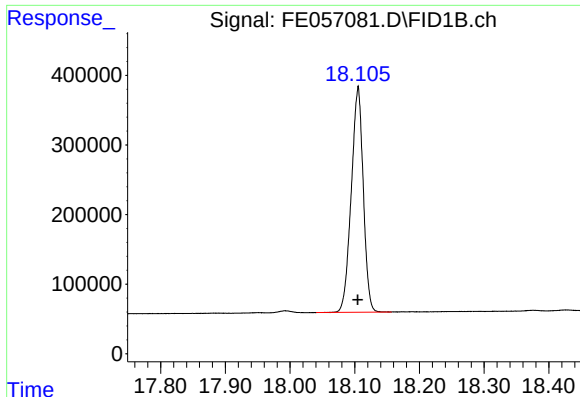
#15 n-Hexacosane (C26)

R.T.: 16.262 min
Delta R.T.: 0.000 min
Response: 3721100
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

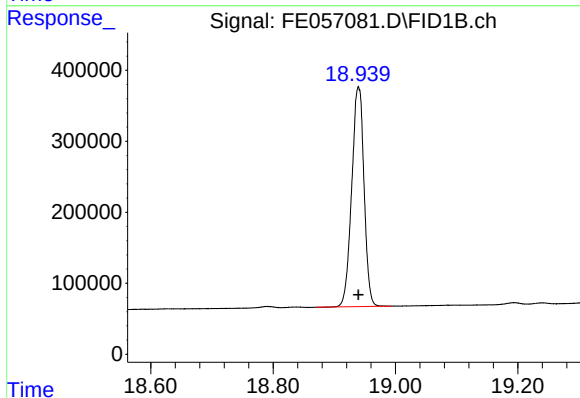
R.T.: 17.214 min
Delta R.T.: 0.000 min
Response: 3810559
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

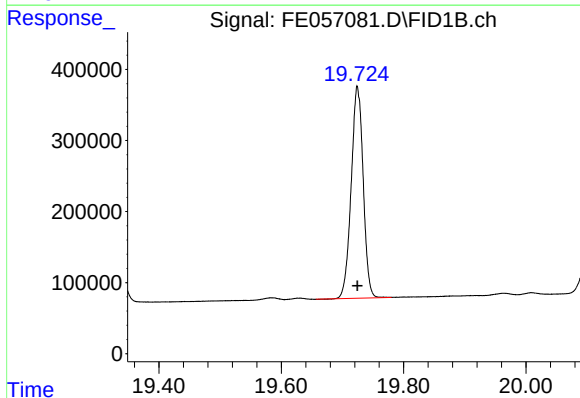
R.T.: 18.105 min
Delta R.T.: 0.000 min
Response: 4167826
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



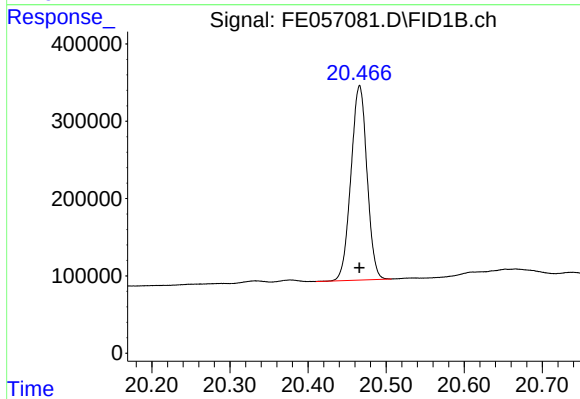
#18 n-Dotriacontane (C32)

R.T.: 18.940 min
Delta R.T.: 0.000 min
Response: 4322475
Conc: 20.00 ug/ml



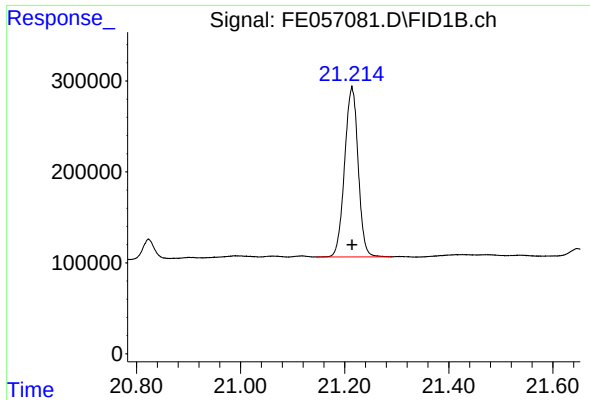
#19 n-Tetratriacontane (C34)

R.T.: 19.725 min
Delta R.T.: 0.000 min
Response: 4056506
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

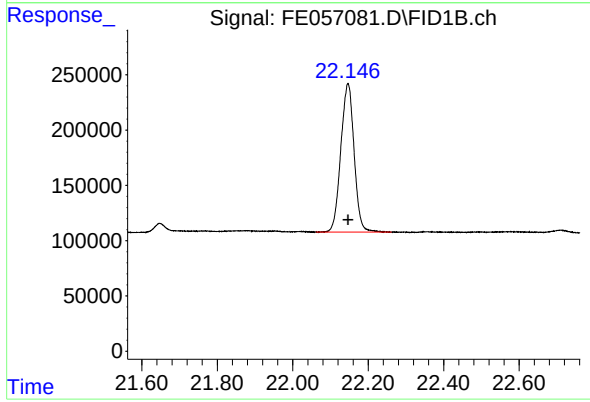
R.T.: 20.466 min
Delta R.T.: 0.000 min
Response: 3587436
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.214 min
Delta R.T.: 0.000 min
Response: 3372052
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.146 min
Delta R.T.: 0.000 min
Response: 3288519
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057081.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 13:17
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.299	3.267	3.390	BB	393798	3913269	89.22%	4.567%
2	4.551	4.519	4.634	BB	411199	4066962	92.72%	4.746%
3	6.268	6.234	6.429	BB	350090	4104533	93.58%	4.790%
4	6.724	6.680	6.800	BB	413602	4098464	93.44%	4.783%
5	7.368	7.332	7.530	BB	321341	3867913	88.18%	4.514%
6	8.558	8.517	8.652	BB	388139	4043026	92.17%	4.719%
7	10.170	10.132	10.257	BB	382710	4120421	93.94%	4.809%
8	11.617	11.580	11.692	BB	370353	4129503	94.15%	4.819%
9	11.940	11.895	12.020	BB	402381	4386274	100.00%	5.119%
10	12.931	12.885	12.999	BB	344818	3918861	89.34%	4.574%
11	13.378	13.337	13.457	BB	289593	3342691	76.21%	3.901%
12	13.544	13.507	13.607	BB	324466	3831131	87.34%	4.471%
13	14.132	14.097	14.199	BB	321242	3781526	86.21%	4.413%
14	15.238	15.199	15.300	BB	304068	3752748	85.56%	4.380%
15	16.262	16.202	16.327	BB	284225	3721100	84.84%	4.343%
16	17.214	17.139	17.282	BB	288619	3810559	86.87%	4.447%
17	18.105	18.040	18.157	BB	324782	4167826	95.02%	4.864%
18	18.940	18.870	18.994	BB	309193	4322475	98.55%	5.045%
19	19.725	19.657	19.780	BB	295652	4056506	92.48%	4.734%
20	20.466	20.410	20.507	BV	251364	3587436	81.79%	4.187%
21	21.214	21.145	21.290	BB	187230	3372052	76.88%	3.935%
22	22.146	22.062	22.262	BB	134568	3288519	74.97%	3.838%
Sum of corrected areas:							85683792	

Aliphatic EPH 112725.M Mon Dec 01 08:16:26 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057082.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 13:47
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/01/2025
 Supervised By :mohammad ahmed 12/02/2025

Integration File: sample.E
 Quant Time: Dec 01 07:58:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 07:57:16 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.939	2243241	10.228 ug/ml
Spiked Amount 50.000		Recovery =	20.46%
12) S 1-chlorooctadecane (S...	13.377	1697156	10.154 ug/ml
Spiked Amount 50.000		Recovery =	20.31%
Target Compounds			
1) T n-Nonane (C9)	3.299	1983051	10.135 ug/ml
2) T n-Decane (C10)	4.551	2050159	10.082 ug/ml
3) T A~Naphthalene (C11.7)	6.269	1971799	9.608 ug/ml
4) T n-Dodecane (C12)	6.723	2073086	10.116 ug/ml
5) T A~2-methylnaphthalene...	7.369	1806626	9.342 ug/ml
6) T n-Tetradecane (C14)	8.557	2044223	10.112 ug/ml
7) T n-Hexadecane (C16)	10.169	2080809	10.100 ug/ml
8) T n-Octadecane (C18)	11.616	2104056	10.190 ug/ml
10) T n-Eicosane (C20)	12.929	2014364	10.280 ug/ml
11) T n-Heneicosane (C21)	13.543	1971948	10.294 ug/ml
13) T n-Docosane (C22)	14.130	1990249	10.526 ug/ml
14) T n-Tetracosane (C24)	15.236	2054842	10.951 ug/mlm
15) T n-Hexacosane (C26)	16.260	2072343	11.138 ug/ml
16) T n-Octacosane (C28)	17.213	2165384	11.365 ug/ml
17) T n-Tricontane (C30)	18.103	2404758	11.540 ug/ml
18) T n-Dotriacontane (C32)	18.939	2539245	11.749 ug/ml
19) T n-Tetratriacontane (C34)	19.724	2308751	11.383 ug/ml
20) T n-Hexatriacontane (C36)	20.466	1985844	11.071 ug/ml
21) T n-Octatriacontane (C38)	21.213	1848111	10.961 ug/ml
22) T n-Tetracontane (C40)	22.145	1819792	11.068 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
Data File : FE057082.D
Signal(s) : FID1B.ch
Acq On : 27 Nov 2025 13:47
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 54 Sample Multiplier: 1

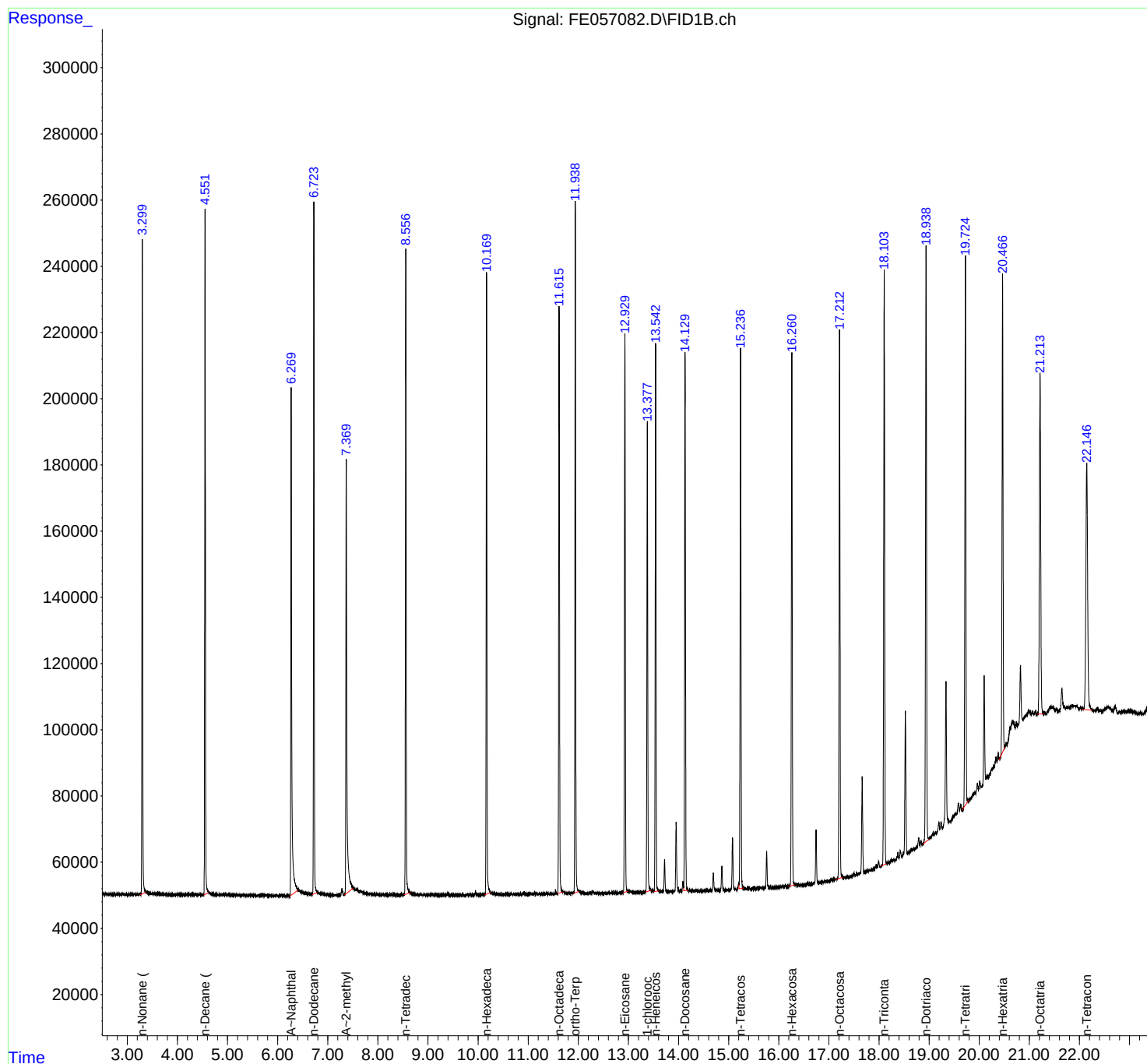
Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

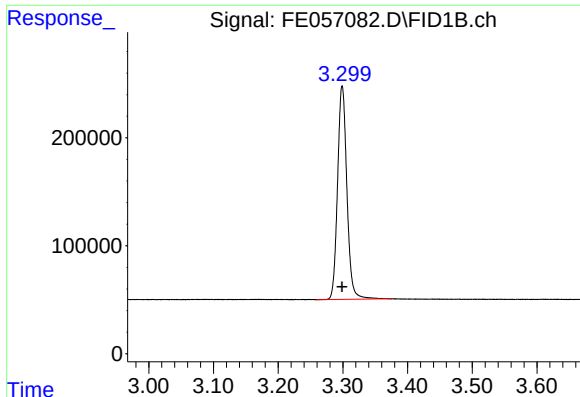
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025

Integration File: sample.E
Quant Time: Dec 01 07:58:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 07:57:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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





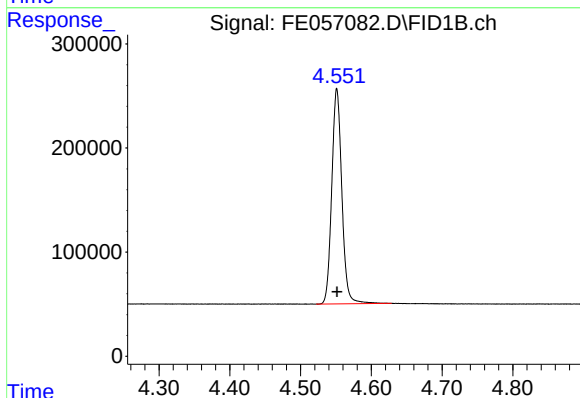
#1 n-Nonane (C9)

R.T.: 3.299 min
Delta R.T.: 0.000 min
Response: 1983051
Conc: 10.14 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

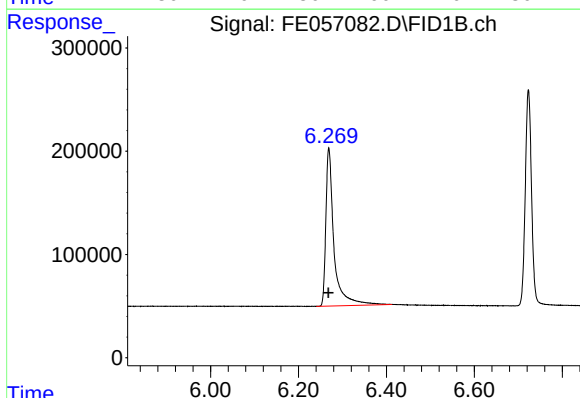
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



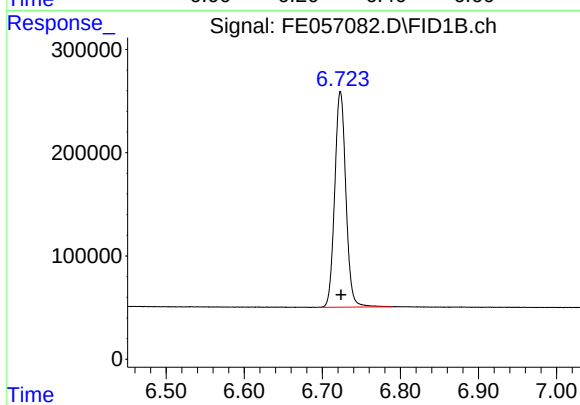
#2 n-Decane (C10)

R.T.: 4.551 min
Delta R.T.: 0.000 min
Response: 2050159
Conc: 10.08 ug/ml



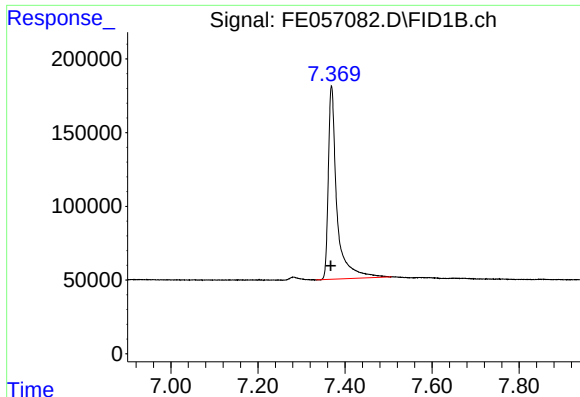
#3 A~Naphthalene (C11.7)

R.T.: 6.269 min
Delta R.T.: 0.002 min
Response: 1971799
Conc: 9.61 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.723 min
Delta R.T.: 0.000 min
Response: 2073086
Conc: 10.12 ug/ml



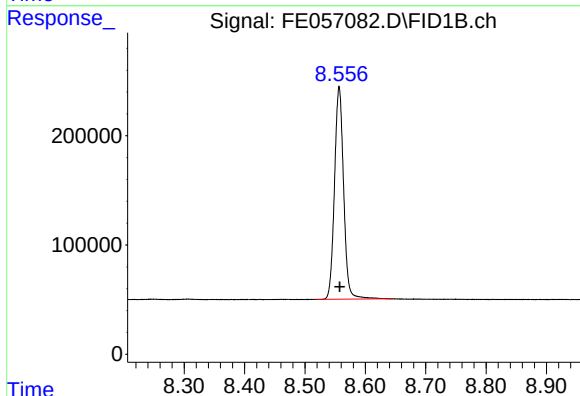
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.369 min
Delta R.T.: 0.002 min
Response: 1806626
Conc: 9.34 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

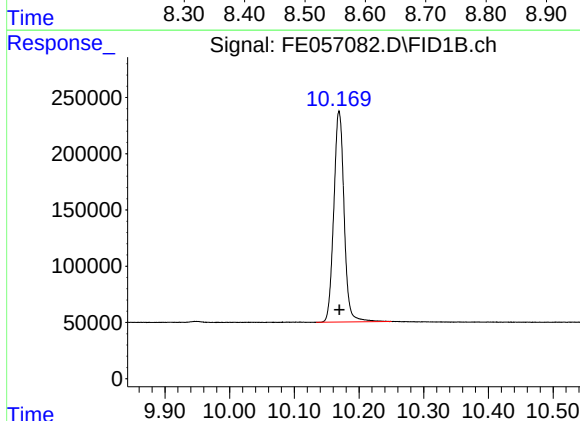
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



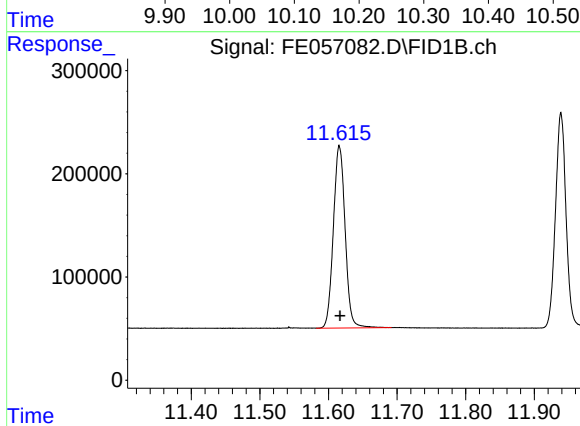
#6 n-Tetradecane (C14)

R.T.: 8.557 min
Delta R.T.: -0.001 min
Response: 2044223
Conc: 10.11 ug/ml



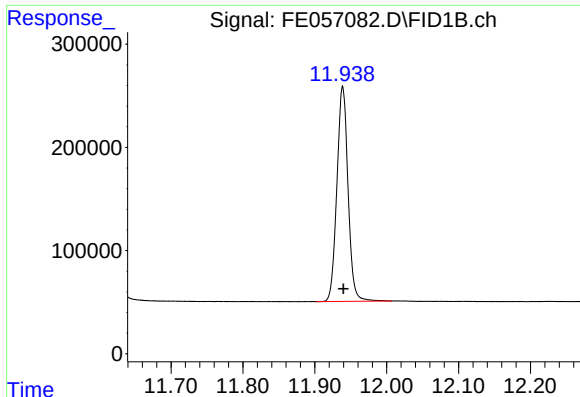
#7 n-Hexadecane (C16)

R.T.: 10.169 min
Delta R.T.: 0.000 min
Response: 2080809
Conc: 10.10 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.616 min
Delta R.T.: 0.000 min
Response: 2104056
Conc: 10.19 ug/ml



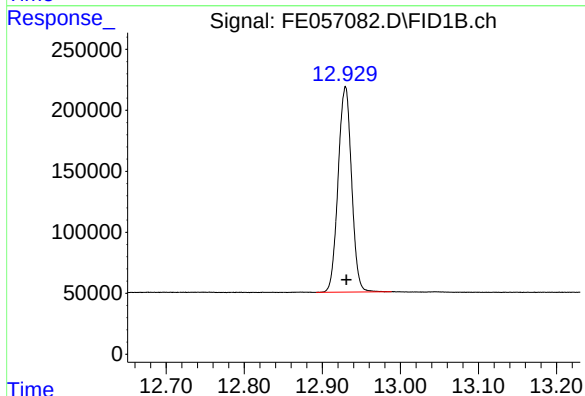
#9 ortho-Terphenyl (SURR)

R.T.: 11.939 min
Delta R.T.: 0.000 min
Response: 2243241
Conc: 10.23 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

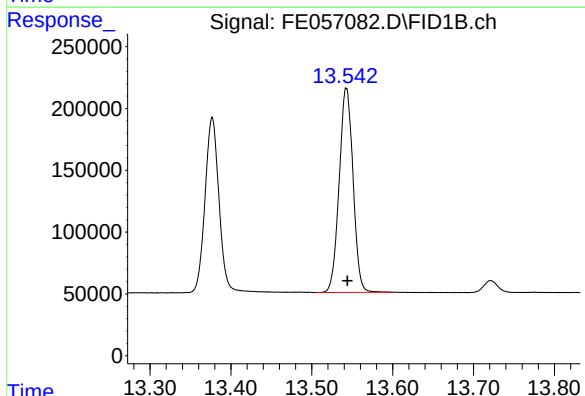
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



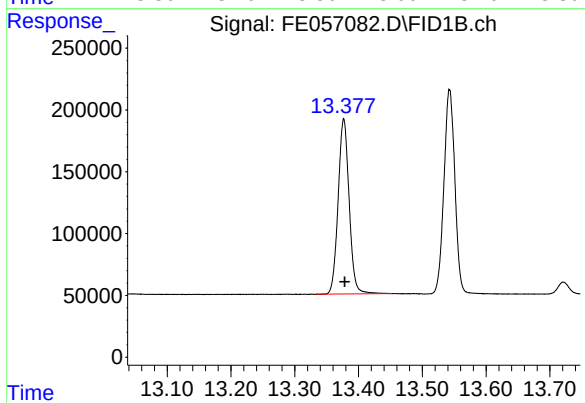
#10 n-Eicosane (C20)

R.T.: 12.929 min
Delta R.T.: -0.001 min
Response: 2014364
Conc: 10.28 ug/ml



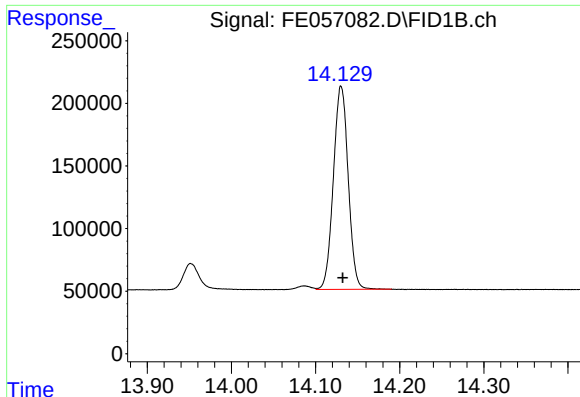
#11 n-Heneicosane (C21)

R.T.: 13.543 min
Delta R.T.: -0.001 min
Response: 1971948
Conc: 10.29 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.377 min
Delta R.T.: -0.002 min
Response: 1697156
Conc: 10.15 ug/ml



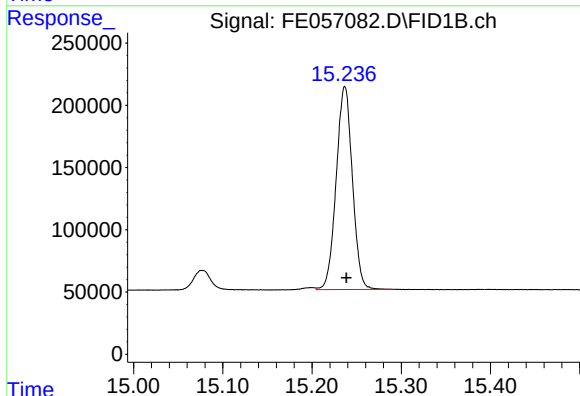
#13 n-Docosane (C22)

R.T.: 14.130 min
Delta R.T.: -0.002 min
Response: 1990249
Conc: 10.53 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

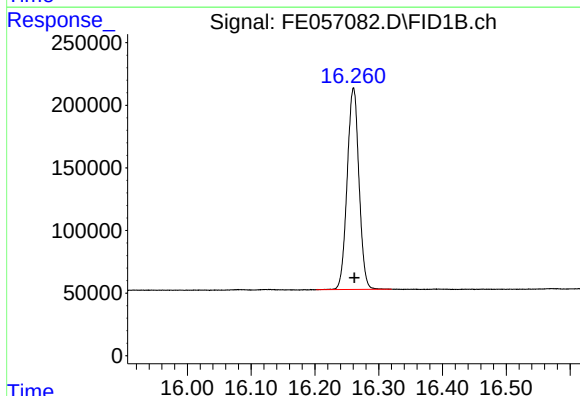
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



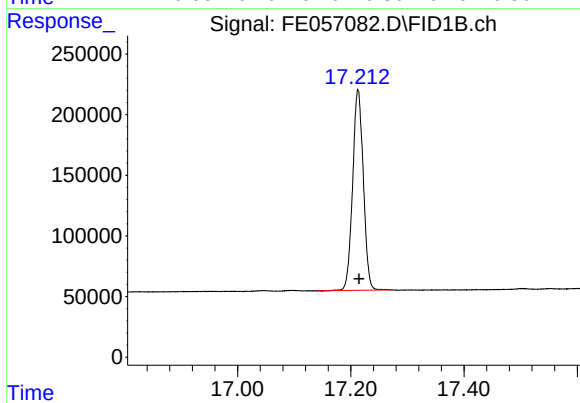
#14 n-Tetracosane (C24)

R.T.: 15.236 min
Delta R.T.: -0.002 min
Response: 2054842
Conc: 10.95 ug/ml m



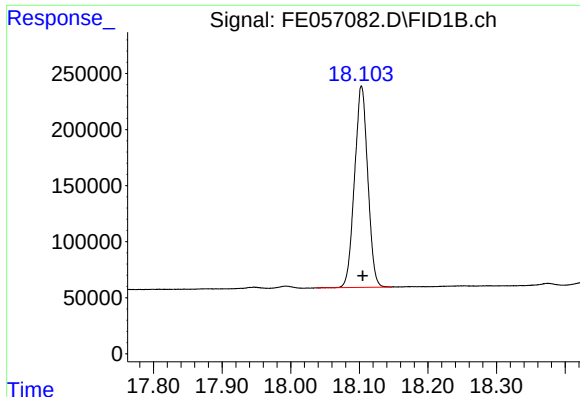
#15 n-Hexacosane (C26)

R.T.: 16.260 min
Delta R.T.: -0.001 min
Response: 2072343
Conc: 11.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.213 min
Delta R.T.: -0.002 min
Response: 2165384
Conc: 11.37 ug/ml



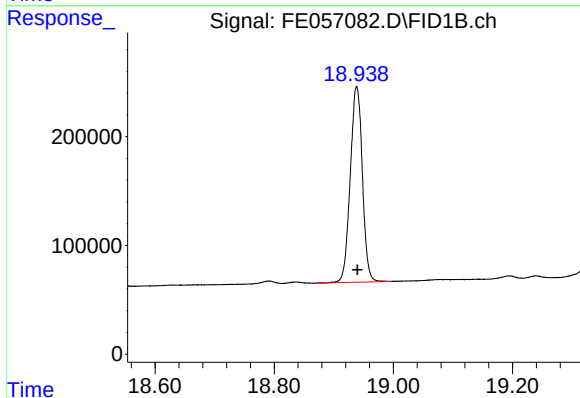
#17 n-Tricontane (C30)

R.T.: 18.103 min
Delta R.T.: -0.002 min
Response: 2404758
Conc: 11.54 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

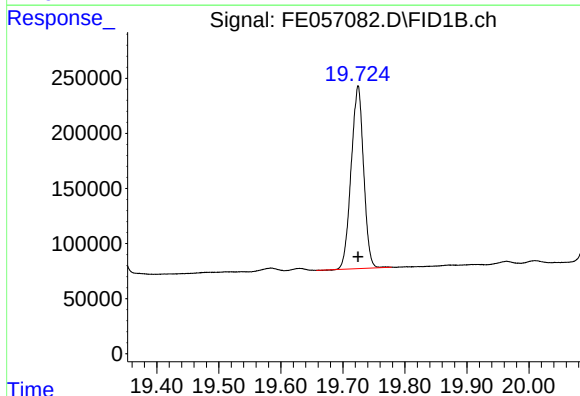
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



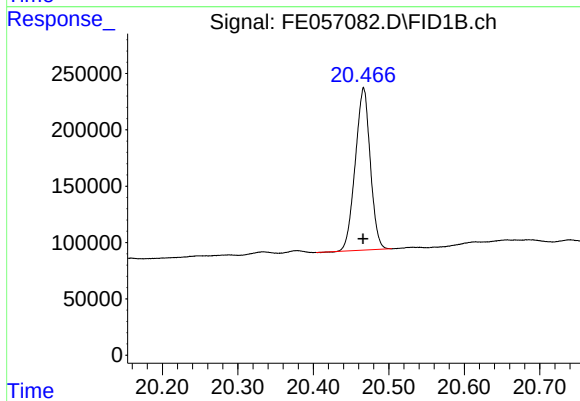
#18 n-Dotriacontane (C32)

R.T.: 18.939 min
Delta R.T.: 0.000 min
Response: 2539245
Conc: 11.75 ug/ml



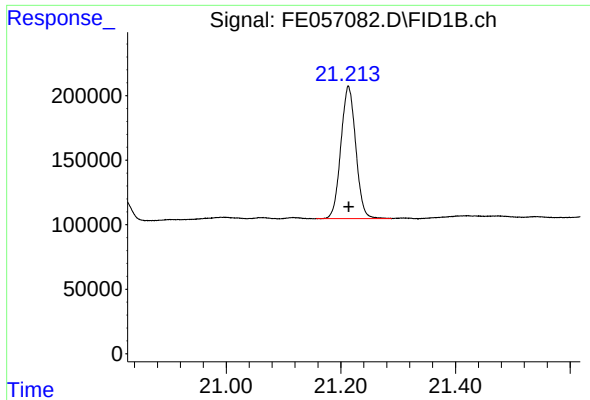
#19 n-Tetratriacontane (C34)

R.T.: 19.724 min
Delta R.T.: 0.000 min
Response: 2308751
Conc: 11.38 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.466 min
Delta R.T.: 0.000 min
Response: 1985844
Conc: 11.07 ug/ml



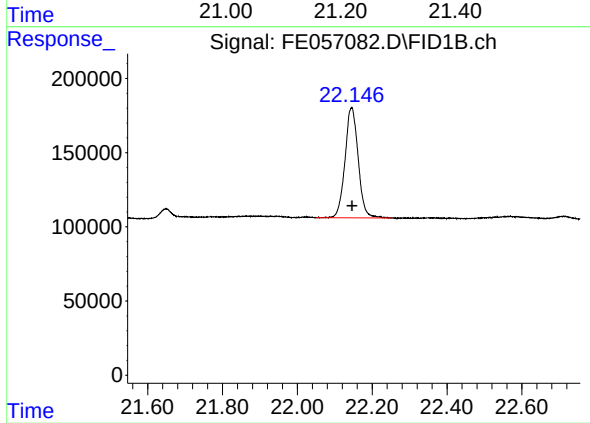
#21 n-Octatriacontane (C38)

R.T.: 21.213 min
Delta R.T.: 0.000 min
Response: 1848111
Conc: 10.96 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



#22 n-Tetracontane (C40)

R.T.: 22.145 min
Delta R.T.: -0.002 min
Response: 1819792
Conc: 11.07 ug/ml

rteres

Instrument :
FID_E
LabSampleId :
10 PPM ALIPHATIC HC STD4
Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725
Data File : FE057082.D
Signal(s) : FID1B.ch
Acq On : 27 Nov 2025 13:47
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 54 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.299	3.259	3.375	BB	197822	1983051	78.10%	4.382%
2	4.551	4.522	4.629	BB	206106	2050159	80.74%	4.530%
3	6.269	6.240	6.412	BB	151764	1971799	77.65%	4.357%
4	6.723	6.692	6.789	BB	208895	2073086	81.64%	4.581%
5	7.369	7.334	7.507	BB	131190	1806626	71.15%	3.992%
6	8.557	8.519	8.644	BB	194679	2044223	80.51%	4.517%
7	10.169	10.134	10.250	BB	187330	2080809	81.95%	4.598%
8	11.616	11.582	11.692	BB	176797	2104056	82.86%	4.649%
9	11.939	11.902	12.007	BB	208331	2243241	88.34%	4.957%
10	12.929	12.892	12.989	BB	167932	2014364	79.33%	4.451%
11	13.377	13.334	13.452	BB	141989	1697156	66.84%	3.750%
12	13.543	13.505	13.599	BB	165634	1971948	77.66%	4.357%
13	14.130	14.101	14.190	VB	162459	1990249	78.38%	4.398%
14	15.237	15.154	15.300	BB	163403	2079824	81.91%	4.596%
15	16.260	16.202	16.320	BB	161194	2072343	81.61%	4.579%
16	17.213	17.139	17.272	BB	165670	2165384	85.28%	4.785%
17	18.103	18.037	18.147	BB	179420	2404758	94.70%	5.314%
18	18.939	18.870	18.997	BB	179844	2539245	100.00%	5.611%
19	19.724	19.657	19.779	BB	166128	2308751	90.92%	5.102%
20	20.466	20.404	20.504	BV	144421	1985844	78.21%	4.388%
21	21.213	21.157	21.289	BB	102687	1848111	72.78%	4.084%
22	22.145	22.050	22.252	BB	74197	1819792	71.67%	4.021%
Sum of corrected areas:						45254817		

Aliphatic EPH 112725.M Mon Dec 01 08:17:05 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057083.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 14:17
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/01/2025
 Supervised By :mohammad ahmed 12/02/2025

Integration File: sample.E
 Quant Time: Dec 01 07:58:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 07:57:16 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.939	1038398	4.735 ug/ml
Spiked Amount 50.000		Recovery =	9.47%
12) S 1-chlorooctadecane (S...	13.377	771091	4.614 ug/ml
Spiked Amount 50.000		Recovery =	9.23%
Target Compounds			
1) T n-Nonane (C9)	3.299	900657	4.603 ug/ml
2) T n-Decane (C10)	4.551	928798	4.568 ug/ml
3) T A~Naphthalene (C11.7)	6.273	814593	3.969 ug/ml
4) T n-Dodecane (C12)	6.723	938886	4.582 ug/ml
5) T A~2-methylnaphthalene...	7.371	829106	4.287 ug/mlm
6) T n-Tetradecane (C14)	8.556	924679	4.574 ug/ml
7) T n-Hexadecane (C16)	10.168	945230	4.588 ug/ml
8) T n-Octadecane (C18)	11.616	967972	4.688 ug/ml
10) T n-Eicosane (C20)	12.929	945937	4.828 ug/ml
11) T n-Heneicosane (C21)	13.542	922840	4.818 ug/ml
13) T n-Docosane (C22)	14.130	961709	5.086 ug/ml
14) T n-Tetracosane (C24)	15.235	1065602	5.679 ug/mlm
15) T n-Hexacosane (C26)	16.260	1098380	5.904 ug/ml
16) T n-Octacosane (C28)	17.213	1217921	6.392 ug/ml
17) T n-Tricontane (C30)	18.102	1420246	6.815 ug/ml
18) T n-Dotriacontane (C32)	18.937	1563348	7.234 ug/ml
19) T n-Tetratriacontane (C34)	19.723	1360125	6.706 ug/ml
20) T n-Hexatriacontane (C36)	20.464	1116001	6.222 ug/ml
21) T n-Octatriacontane (C38)	21.211	963463	5.714 ug/ml
22) T n-Tetracontane (C40)	22.142	871697	5.301 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
Data File : FE057083.D
Signal(s) : FID1B.ch
Acq On : 27 Nov 2025 14:17
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 55 Sample Multiplier: 1

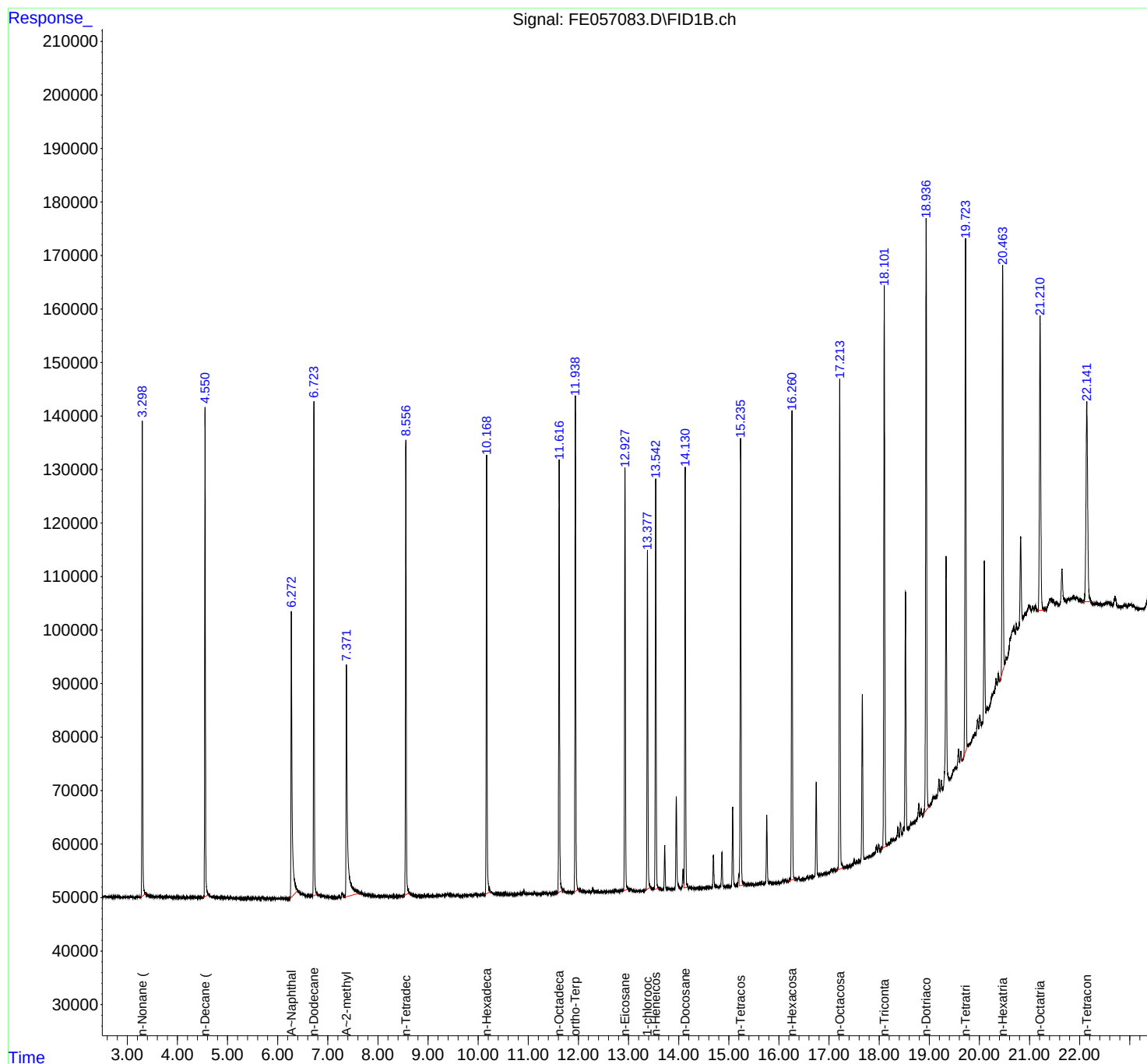
Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

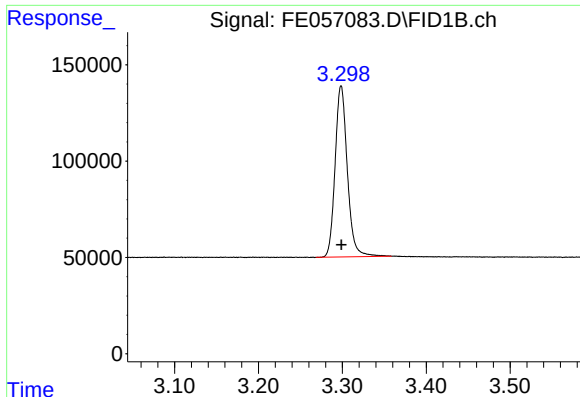
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025

Integration File: sample.E
Quant Time: Dec 01 07:58:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 07:57:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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





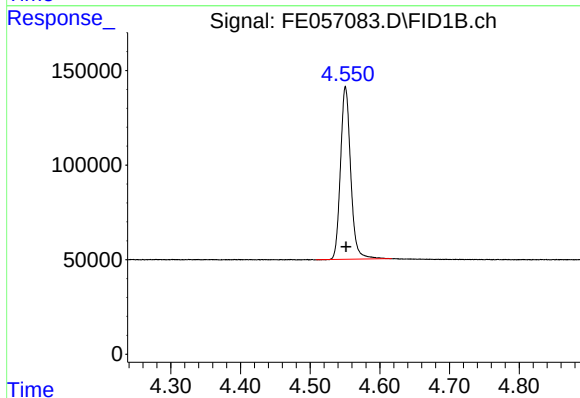
#1 n-Nonane (C9)

R.T.: 3.299 min
Delta R.T.: 0.000 min
Response: 900657
Conc: 4.60 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

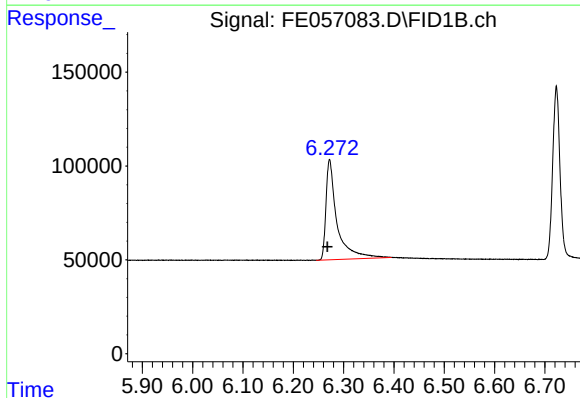
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



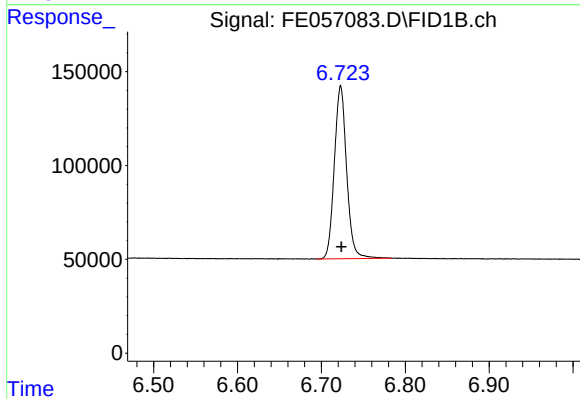
#2 n-Decane (C10)

R.T.: 4.551 min
Delta R.T.: 0.000 min
Response: 928798
Conc: 4.57 ug/ml



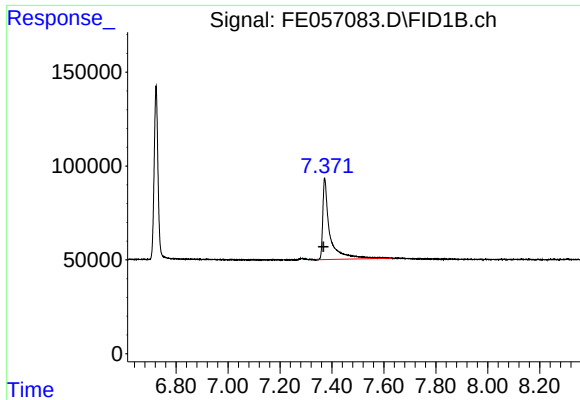
#3 A~Naphthalene (C11.7)

R.T.: 6.273 min
Delta R.T.: 0.005 min
Response: 814593
Conc: 3.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.723 min
Delta R.T.: -0.001 min
Response: 938886
Conc: 4.58 ug/ml



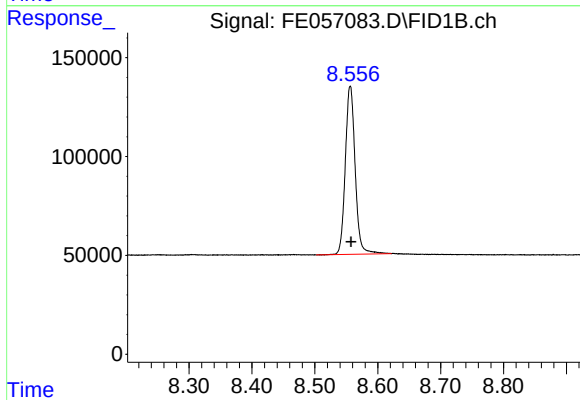
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.371 min
Delta R.T.: 0.004 min
Response: 829106
Conc: 4.29 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

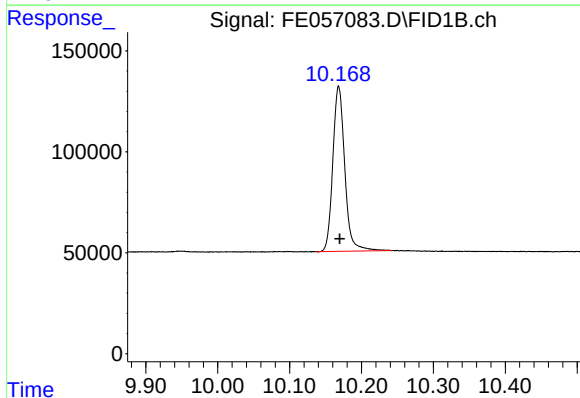
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



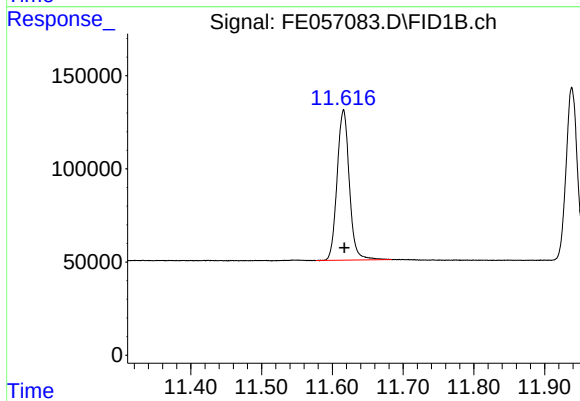
#6 n-Tetradecane (C14)

R.T.: 8.556 min
Delta R.T.: -0.001 min
Response: 924679
Conc: 4.57 ug/ml



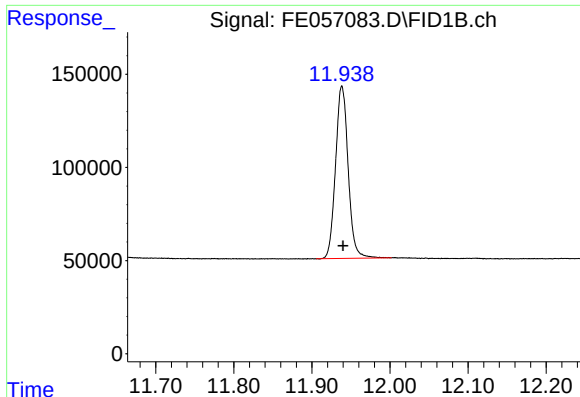
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: -0.001 min
Response: 945230
Conc: 4.59 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.616 min
Delta R.T.: -0.001 min
Response: 967972
Conc: 4.69 ug/ml



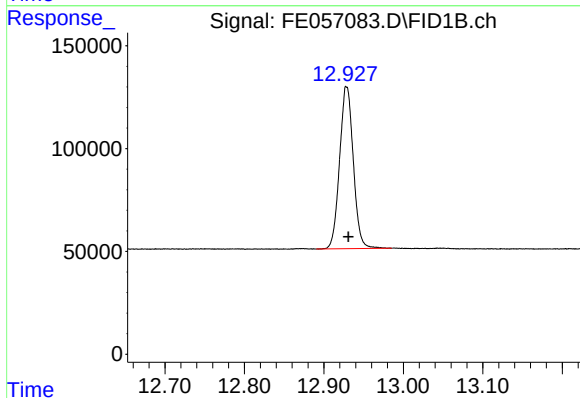
#9 ortho-Terphenyl (SURR)

R.T.: 11.939 min
Delta R.T.: -0.001 min
Response: 1038398
Conc: 4.73 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

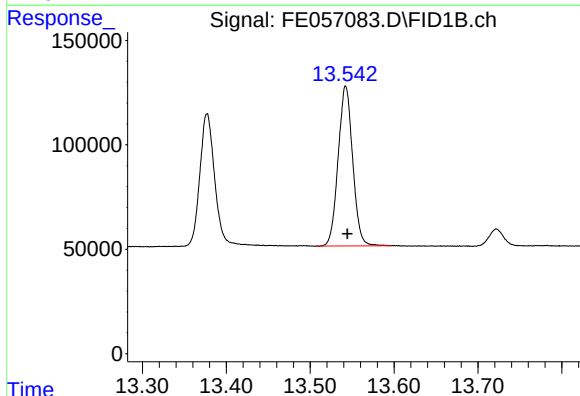
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



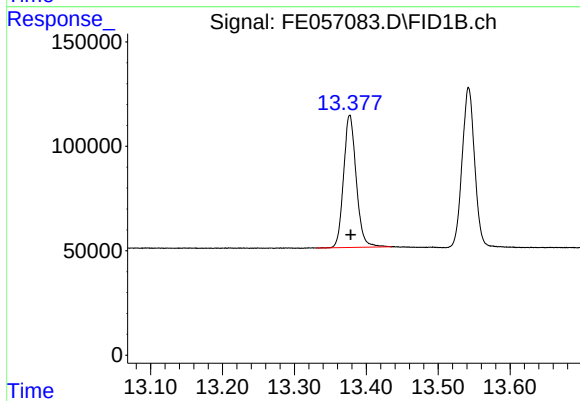
#10 n-Eicosane (C20)

R.T.: 12.929 min
Delta R.T.: -0.002 min
Response: 945937
Conc: 4.83 ug/ml



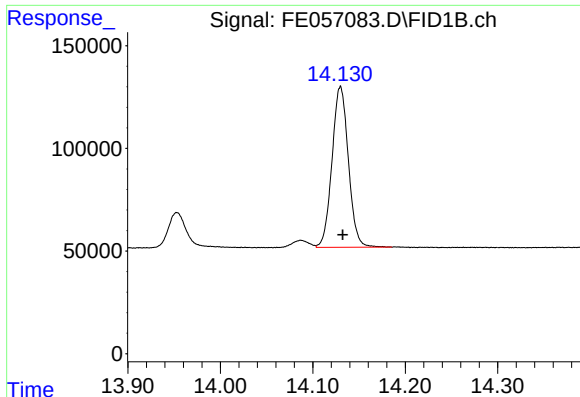
#11 n-Heneicosane (C21)

R.T.: 13.542 min
Delta R.T.: -0.002 min
Response: 922840
Conc: 4.82 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.377 min
Delta R.T.: -0.001 min
Response: 771091
Conc: 4.61 ug/ml



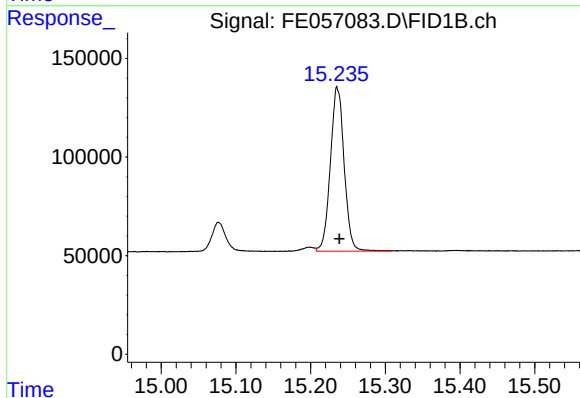
#13 n-Docosane (C22)

R.T.: 14.130 min
Delta R.T.: -0.002 min
Response: 961709
Conc: 5.09 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

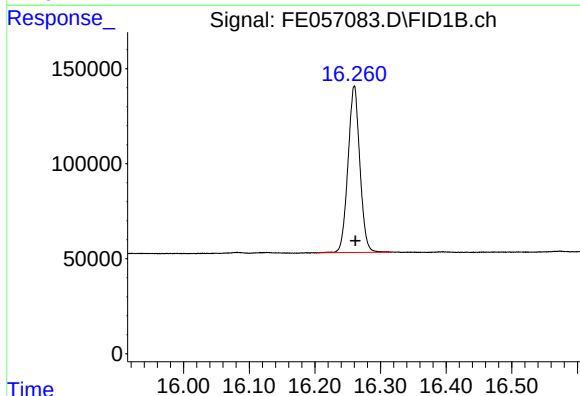
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



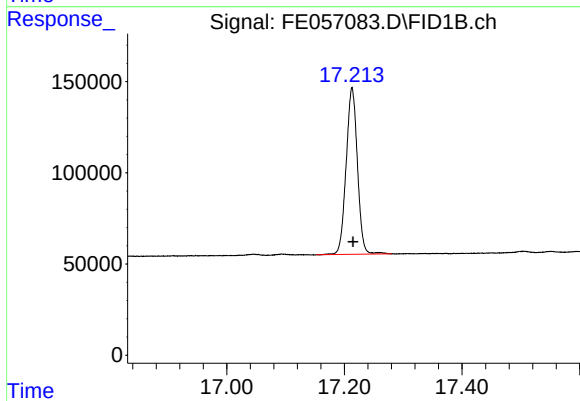
#14 n-Tetracosane (C24)

R.T.: 15.235 min
Delta R.T.: -0.004 min
Response: 1065602
Conc: 5.68 ug/ml m



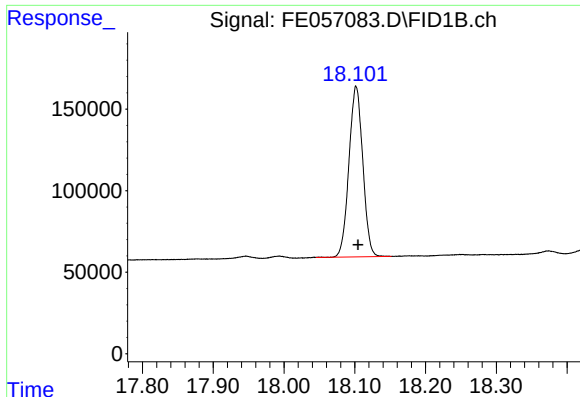
#15 n-Hexacosane (C26)

R.T.: 16.260 min
Delta R.T.: -0.002 min
Response: 1098380
Conc: 5.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.213 min
Delta R.T.: -0.001 min
Response: 1217921
Conc: 6.39 ug/ml



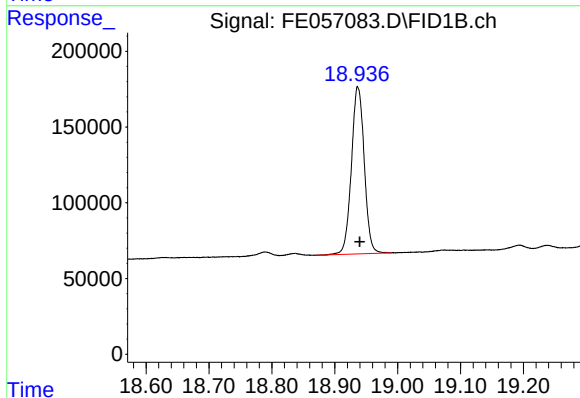
#17 n-Tricontane (C30)

R.T.: 18.102 min
Delta R.T.: -0.003 min
Response: 1420246
Conc: 6.82 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

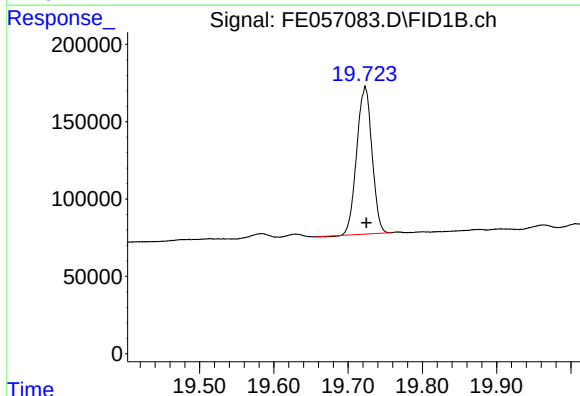
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



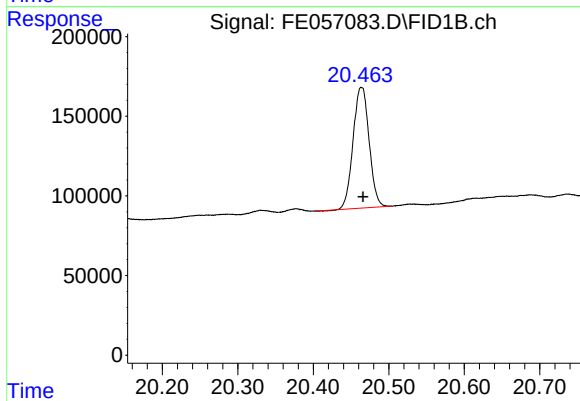
#18 n-Dotriacontane (C32)

R.T.: 18.937 min
Delta R.T.: -0.003 min
Response: 1563348
Conc: 7.23 ug/ml



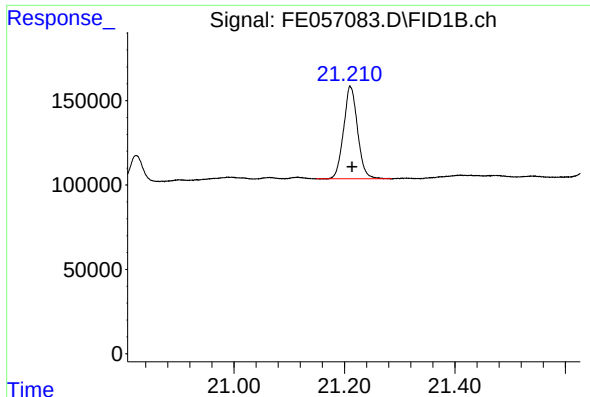
#19 n-Tetratriacontane (C34)

R.T.: 19.723 min
Delta R.T.: -0.002 min
Response: 1360125
Conc: 6.71 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.464 min
Delta R.T.: -0.002 min
Response: 1116001
Conc: 6.22 ug/ml



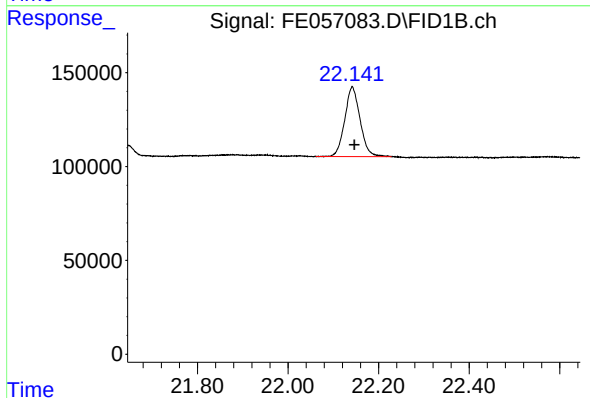
#21 n-Octatriacontane (C38)

R.T.: 21.211 min
Delta R.T.: -0.003 min
Response: 963463
Conc: 5.71 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



#22 n-Tetracontane (C40)

R.T.: 22.142 min
Delta R.T.: -0.005 min
Response: 871697
Conc: 5.30 ug/ml

rteres

Instrument :

FID_E

LabSampleId :

5 PPM ALIPHATIC HC STD5

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 12/01/2025

Supervised By :mohammad ahmed 12/02/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11272
Data File : FE057083.D
Signal(s) : FID1B.ch
Acq On : 27 Nov 2025 14:17
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.299	3.269	3.359	BB	88887	900657	57.61%	4.016%
2	4.551	4.509	4.617	BB	91290	928798	59.41%	4.142%
3	6.273	6.245	6.395	BB	53369	814593	52.11%	3.633%
4	6.723	6.694	6.784	BB	92191	938886	60.06%	4.187%
5	7.373	7.260	7.482	BB	42312	672280	43.00%	2.998%
6	8.556	8.502	8.622	BB	85226	924679	59.15%	4.124%
7	10.168	10.137	10.242	BB	81707	945230	60.46%	4.215%
8	11.616	11.577	11.684	BB	80663	967972	61.92%	4.317%
9	11.939	11.905	12.002	BB	92449	1038398	66.42%	4.631%
10	12.929	12.890	12.985	BB	78560	945937	60.51%	4.218%
11	13.377	13.330	13.435	BB	63228	771091	49.32%	3.439%
12	13.542	13.507	13.597	BB	76654	922840	59.03%	4.115%
13	14.130	14.104	14.185	VB	78446	961709	61.52%	4.289%
14	15.236	15.154	15.292	BB	82871	1079765	69.07%	4.815%
15	16.260	16.202	16.317	BB	87817	1098380	70.26%	4.898%
16	17.213	17.152	17.280	BB	91448	1217921	77.90%	5.431%
17	18.102	18.045	18.152	BB	104627	1420246	90.85%	6.334%
18	18.937	18.870	18.990	BB	109861	1563348	100.00%	6.972%
19	19.723	19.657	19.759	BB	94733	1360125	87.00%	6.065%
20	20.464	20.404	20.504	BV	75784	1116001	71.39%	4.977%
21	21.211	21.149	21.285	BB	54820	963463	61.63%	4.297%
22	22.142	22.062	22.229	BB	37362	871697	55.76%	3.887%
Sum of corrected areas:						22424015		

Aliphatic EPH 112725.M Mon Dec 01 08:17:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057084.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 14:47
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: sample.E
 Quant Time: Dec 01 08:06:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

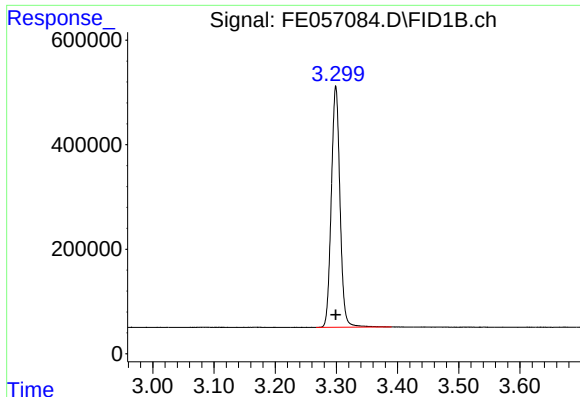
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.940	5099681	23.239 ug/ml
Spiked Amount 50.000		Recovery =	46.48%
12) S 1-chlorooctadecane (S...	13.378	3884091	23.338 ug/ml
Spiked Amount 50.000		Recovery =	46.68%
Target Compounds			
1) T n-Nonane (C9)	3.299	4547628	23.248 ug/ml
2) T n-Decane (C10)	4.552	4728427	23.378 ug/ml
3) T A~Naphthalene (C11.7)	6.268	4804447	23.864 ug/ml
4) T n-Dodecane (C12)	6.724	4757673	23.311 ug/ml
5) T A~2-methylnaphthalene...	7.367	4533213	23.592 ug/ml
6) T n-Tetradecane (C14)	8.558	4692823	23.315 ug/ml
7) T n-Hexadecane (C16)	10.170	4784266	23.329 ug/ml
8) T n-Octadecane (C18)	11.618	4796645	23.272 ug/ml
10) T n-Eicosane (C20)	12.930	4547471	23.118 ug/ml
11) T n-Heneicosane (C21)	13.544	4450332	23.164 ug/ml
13) T n-Docosane (C22)	14.132	4409790	22.844 ug/ml
14) T n-Tetracosane (C24)	15.238	4363323	22.031 ug/ml
15) T n-Hexacosane (C26)	16.262	4318228	21.766 ug/ml
16) T n-Octacosane (C28)	17.215	4432726	21.570 ug/ml
17) T n-Tricontane (C30)	18.105	4863172	21.669 ug/ml
18) T n-Dotriacontane (C32)	18.940	5061365	21.682 ug/ml
19) T n-Tetratriacontane (C34)	19.725	4752442	22.251 ug/ml
20) T n-Hexatriacontane (C36)	20.467	4183880	22.478 ug/ml
21) T n-Octatriacontane (C38)	21.213	3882468	22.402 ug/ml
22) T n-Tetracontane (C40)	22.145	3786420	22.469 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



#1 n-Nonane (C9)

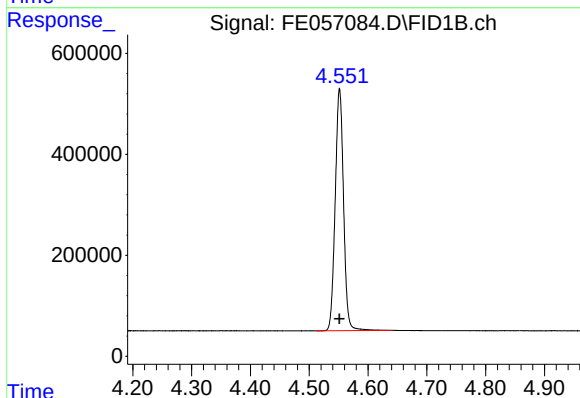
R.T.: 3.299 min
Delta R.T.: 0.000 min
Response: 4547628
Conc: 23.25 ug/ml

Instrument :

FID_E

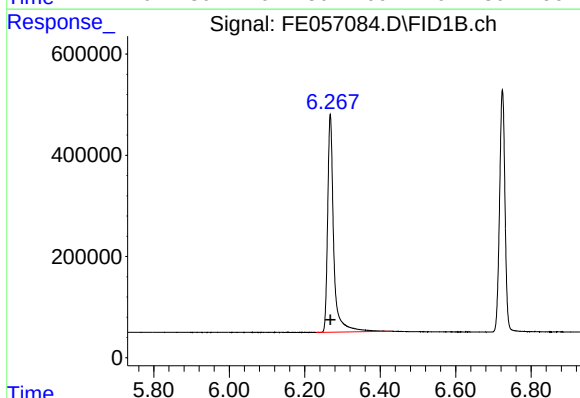
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



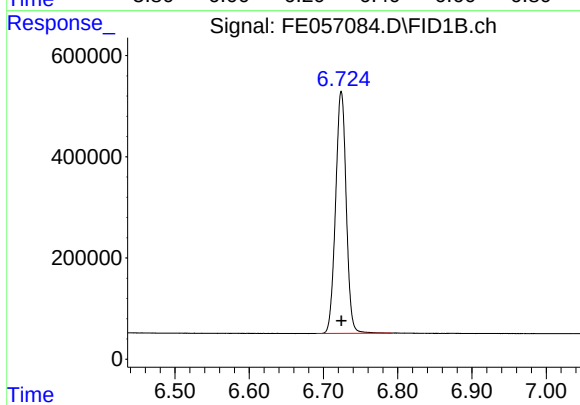
#2 n-Decane (C10)

R.T.: 4.552 min
Delta R.T.: 0.000 min
Response: 4728427
Conc: 23.38 ug/ml



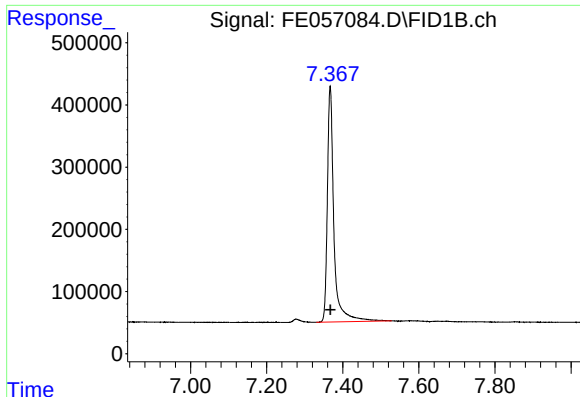
#3 A~Naphthalene (C11.7)

R.T.: 6.268 min
Delta R.T.: 0.000 min
Response: 4804447
Conc: 23.86 ug/ml



#4 n-Dodecane (C12)

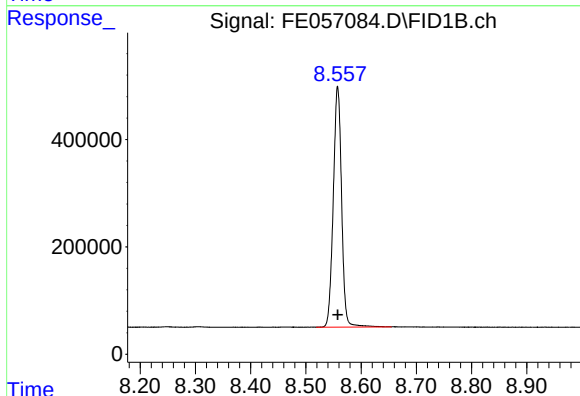
R.T.: 6.724 min
Delta R.T.: 0.000 min
Response: 4757673
Conc: 23.31 ug/ml



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

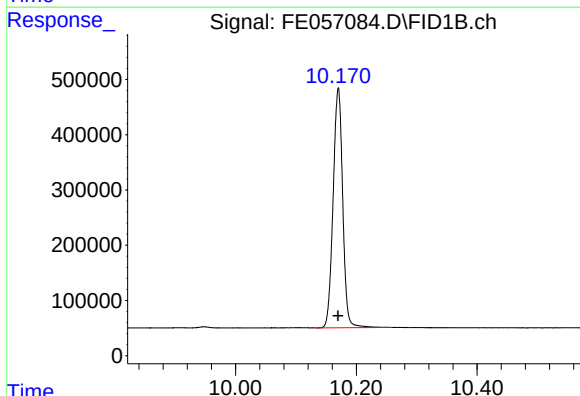
R.T.: 7.367 min
Delta R.T.: 0.000 min
Response: 4533213
Conc: 23.59 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



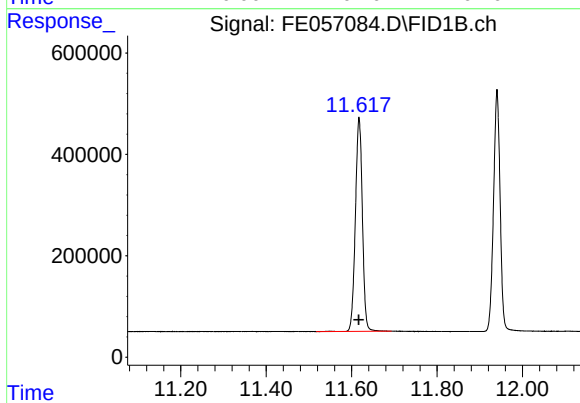
#6 n-Tetradecane (C14)

R.T.: 8.558 min
Delta R.T.: 0.000 min
Response: 4692823
Conc: 23.31 ug/ml



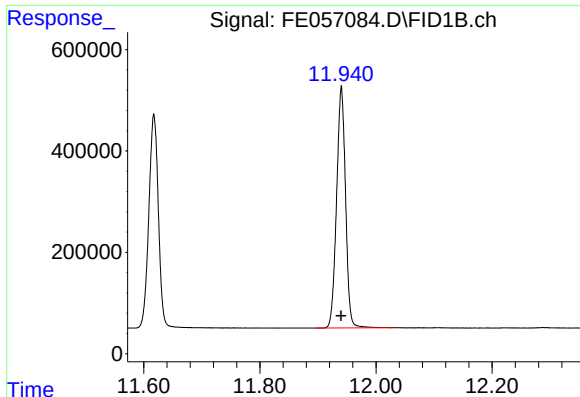
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: 0.000 min
Response: 4784266
Conc: 23.33 ug/ml



#8 n-Octadecane (C18)

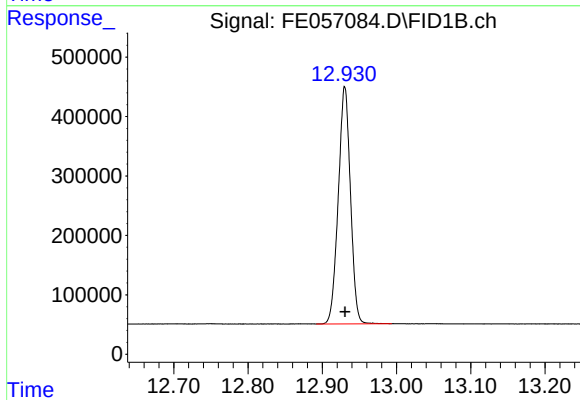
R.T.: 11.618 min
Delta R.T.: 0.000 min
Response: 4796645
Conc: 23.27 ug/ml



#9 ortho-Terphenyl (SURR)

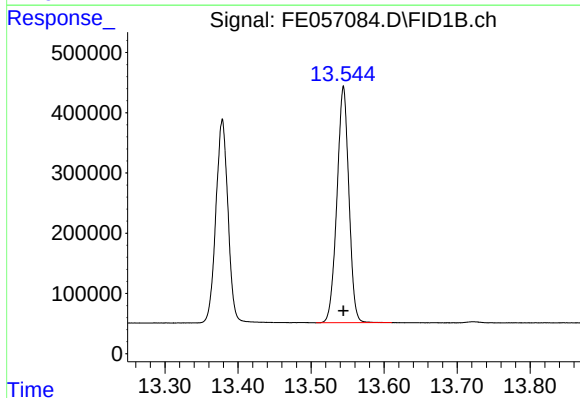
R.T.: 11.940 min
Delta R.T.: 0.000 min
Response: 5099681
Conc: 23.24 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



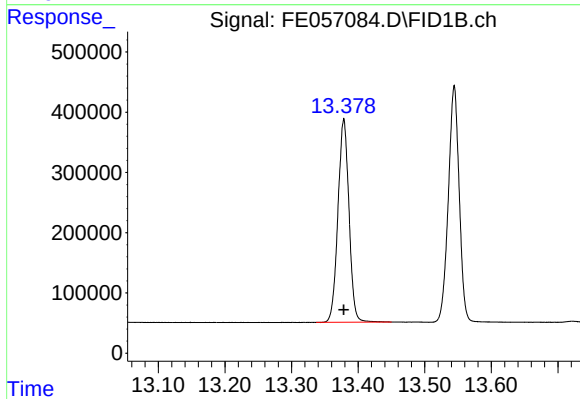
#10 n-Eicosane (C20)

R.T.: 12.930 min
Delta R.T.: 0.000 min
Response: 4547471
Conc: 23.12 ug/ml



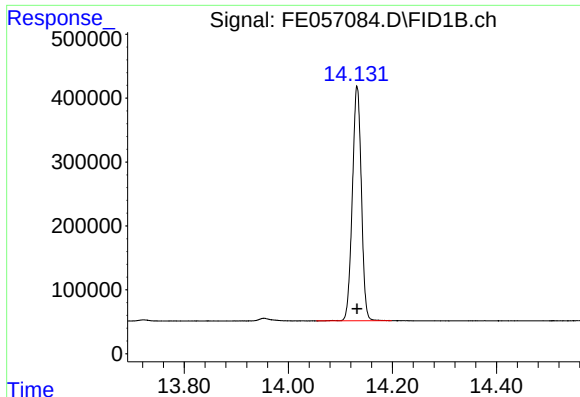
#11 n-Heneicosane (C21)

R.T.: 13.544 min
Delta R.T.: 0.000 min
Response: 4450332
Conc: 23.16 ug/ml



#12 1-chlorooctadecane (SURR)

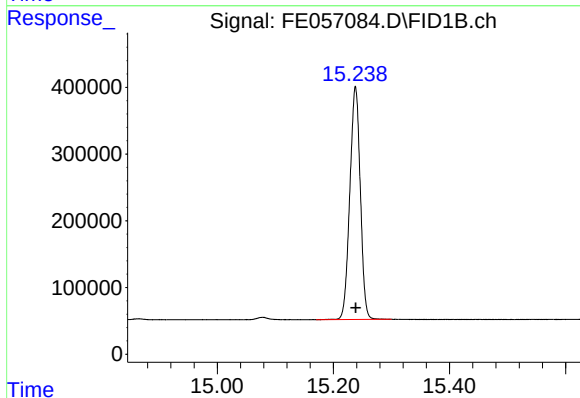
R.T.: 13.378 min
Delta R.T.: 0.000 min
Response: 3884091
Conc: 23.34 ug/ml



#13 n-Docosane (C22)

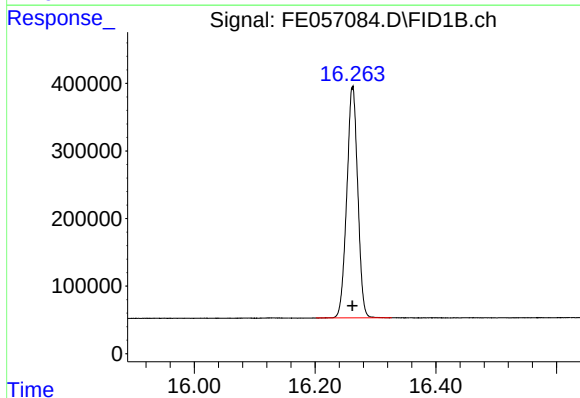
R.T.: 14.132 min
Delta R.T.: 0.000 min
Response: 4409790
Conc: 22.84 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



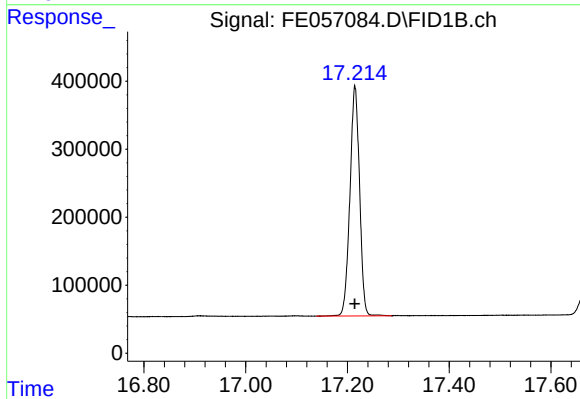
#14 n-Tetracosane (C24)

R.T.: 15.238 min
Delta R.T.: 0.000 min
Response: 4363323
Conc: 22.03 ug/ml



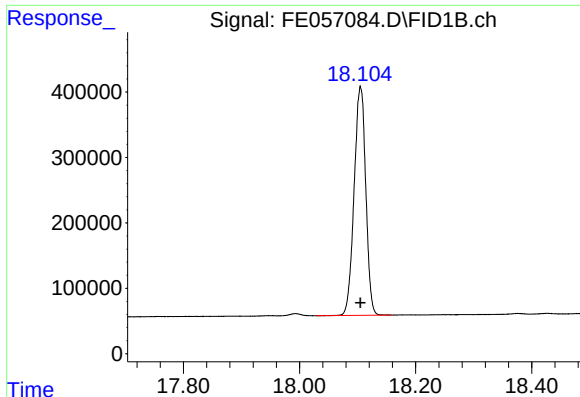
#15 n-Hexacosane (C26)

R.T.: 16.262 min
Delta R.T.: 0.000 min
Response: 4318228
Conc: 21.77 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.215 min
Delta R.T.: 0.000 min
Response: 4432726
Conc: 21.57 ug/ml



#17 n-Tricontane (C30)

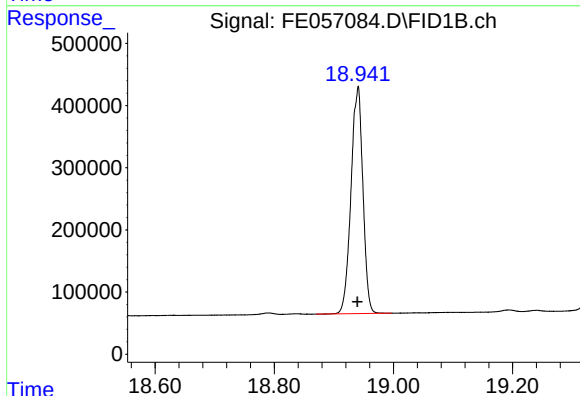
R.T.: 18.105 min
Delta R.T.: 0.000 min
Response: 4863172
Conc: 21.67 ug/ml

Instrument :

FID_E

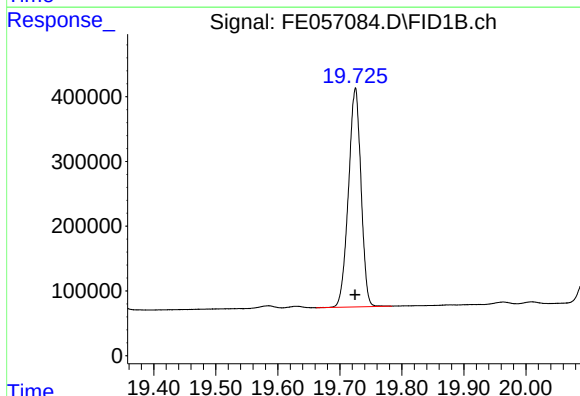
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



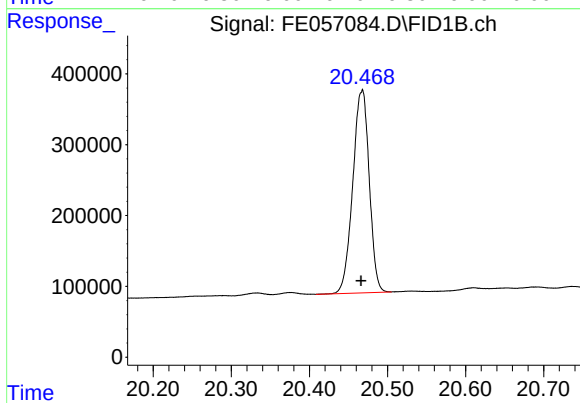
#18 n-Dotriacontane (C32)

R.T.: 18.940 min
Delta R.T.: 0.000 min
Response: 5061365
Conc: 21.68 ug/ml



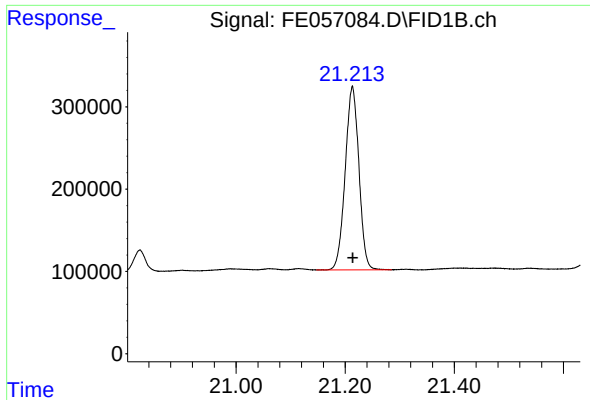
#19 n-Tetratriacontane (C34)

R.T.: 19.725 min
Delta R.T.: 0.000 min
Response: 4752442
Conc: 22.25 ug/ml



#20 n-Hexatriacontane (C36)

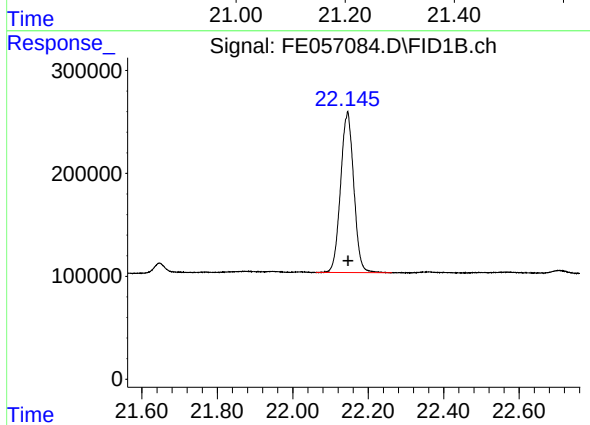
R.T.: 20.467 min
Delta R.T.: 0.001 min
Response: 4183880
Conc: 22.48 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.213 min
Delta R.T.: 0.000 min
Response: 3882468
Conc: 22.40 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.145 min
Delta R.T.: -0.001 min
Response: 3786420
Conc: 22.47 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112725AL\
 Data File : FE057084.D
 Signal(s) : FID1B.ch
 Acq On : 27 Nov 2025 14:47
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.299	3.267	3.390	BB	461650	4547628	89.17%	4.562%
2	4.552	4.512	4.640	BB	479581	4728427	92.72%	4.744%
3	6.268	6.230	6.430	BB	428696	4804447	94.21%	4.820%
4	6.724	6.690	6.792	BB	478611	4757673	93.29%	4.773%
5	7.367	7.330	7.529	BB	379327	4533213	88.89%	4.548%
6	8.558	8.519	8.655	BB	448724	4692823	92.02%	4.708%
7	10.170	10.134	10.259	BB	435195	4784266	93.82%	4.800%
8	11.618	11.517	11.694	BB	421395	4796645	94.06%	4.812%
9	11.940	11.897	12.027	BB	475665	5099681	100.00%	5.116%
10	12.930	12.892	12.994	BB	399923	4547471	89.17%	4.562%
11	13.378	13.337	13.450	BB	337458	3884091	76.16%	3.897%
12	13.544	13.507	13.610	BB	391382	4450332	87.27%	4.465%
13	14.132	14.054	14.199	BB	367061	4409790	86.47%	4.424%
14	15.238	15.170	15.300	BB	348906	4363323	85.56%	4.377%
15	16.262	16.202	16.327	BB	340063	4318228	84.68%	4.332%
16	17.215	17.139	17.287	BB	337350	4432726	86.92%	4.447%
17	18.105	18.029	18.159	BB	349583	4863172	95.36%	4.879%
18	18.940	18.870	18.997	BB	363373	5061365	99.25%	5.078%
19	19.725	19.662	19.784	BB	338929	4752442	93.19%	4.768%
20	20.467	20.409	20.505	BV	284363	4183880	82.04%	4.197%
21	21.213	21.147	21.285	BB	223728	3882468	76.13%	3.895%
22	22.145	22.062	22.262	BB	156679	3786420	74.25%	3.799%
Sum of corrected areas:							99680508	

Aliphatic EPH 112725.M Mon Dec 01 08:18:10 2025

Continuing Calibration Report for SequenceID : FE120225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FE057118.D

Aliphatic C9-C12	13883102.000	60.000	3.199	6.825	231385.033	200655.681	-15.314
Aliphatic C12-C16	9286544.000	40.000	6.826	10.272	232163.600	203177.346	-14.266
Aliphatic C21-C28	16747772.000	80.000	13.647	17.317	209347.150	198747.045	-5.333
Aliphatic C28-C40	23093544.000	120.000	17.318	22.251	192446.200	199899.890	3.729
Aliphatic EPH	76425229.000	360.000	3.199	22.251	212292.303	199869.809	-6.215
Aliphatic C16-C21	13414267.000	60.000	10.273	13.646	223571.117	198315.768	-12.735

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	02 Dec 2025 07:55
Client Sample ID:		Operator:	YP\AJ
Data file:	FE057118.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.199	6.825	13883102.000	60.000	ug/ml
Aliphatic C12-C16	6.826	10.272	9286544.000	40.000	ug/ml
Aliphatic C16-C21	10.273	13.646	13414267.000	60.000	ug/ml
Aliphatic C21-C28	13.647	17.317	16747772.000	80.000	ug/ml
Aliphatic C28-C40	17.318	22.251	23093544.000	120.000	ug/ml
Aliphatic EPH	3.199	22.251	76425229.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057118.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 07:55
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Dec 02 10:18:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.943	4978370	22.686 ug/ml
Spiked Amount 50.000		Recovery =	45.37%
12) S 1-chlorooctadecane (S...	13.380	3753525	22.554 ug/ml
Spiked Amount 50.000		Recovery =	45.11%
Target Compounds			
1) T n-Nonane (C9)	3.299	4539027	23.204 ug/ml
2) T n-Decane (C10)	4.552	4649786	22.989 ug/ml
3) T A~Naphthalene (C11.7)	6.269	4706304	23.376 ug/ml
4) T n-Dodecane (C12)	6.725	4694289	23.000 ug/ml
5) T A~2-methylnaphthalene...	7.369	4438928	23.101 ug/ml
6) T n-Tetradecane (C14)	8.559	4613202	22.919 ug/ml
7) T n-Hexadecane (C16)	10.172	4673342	22.788 ug/ml
8) T n-Octadecane (C18)	11.619	4673597	22.675 ug/ml
10) T n-Eicosane (C20)	12.932	4424397	22.492 ug/ml
11) T n-Heneicosane (C21)	13.546	4316273	22.466 ug/ml
13) T n-Docosane (C22)	14.135	4271621	22.128 ug/ml
14) T n-Tetracosane (C24)	15.241	4216007	21.287 ug/ml
15) T n-Hexacosane (C26)	16.265	4154697	20.942 ug/ml
16) T n-Octacosane (C28)	17.217	4105447	19.978 ug/ml
17) T n-Tricontane (C30)	18.107	4199849	18.714 ug/ml
18) T n-Dotriacontane (C32)	18.942	4117574	17.639 ug/ml
19) T n-Tetratriacontane (C34)	19.728	3893670	18.230 ug/ml
20) T n-Hexatriacontane (C36)	20.469	3606478	19.376 ug/ml
21) T n-Octatriacontane (C38)	21.217	3616235	20.866 ug/ml
22) T n-Tetracontane (C40)	22.151	3659738	21.718 ug/ml

(f)=RT Delta > 1/2 Window

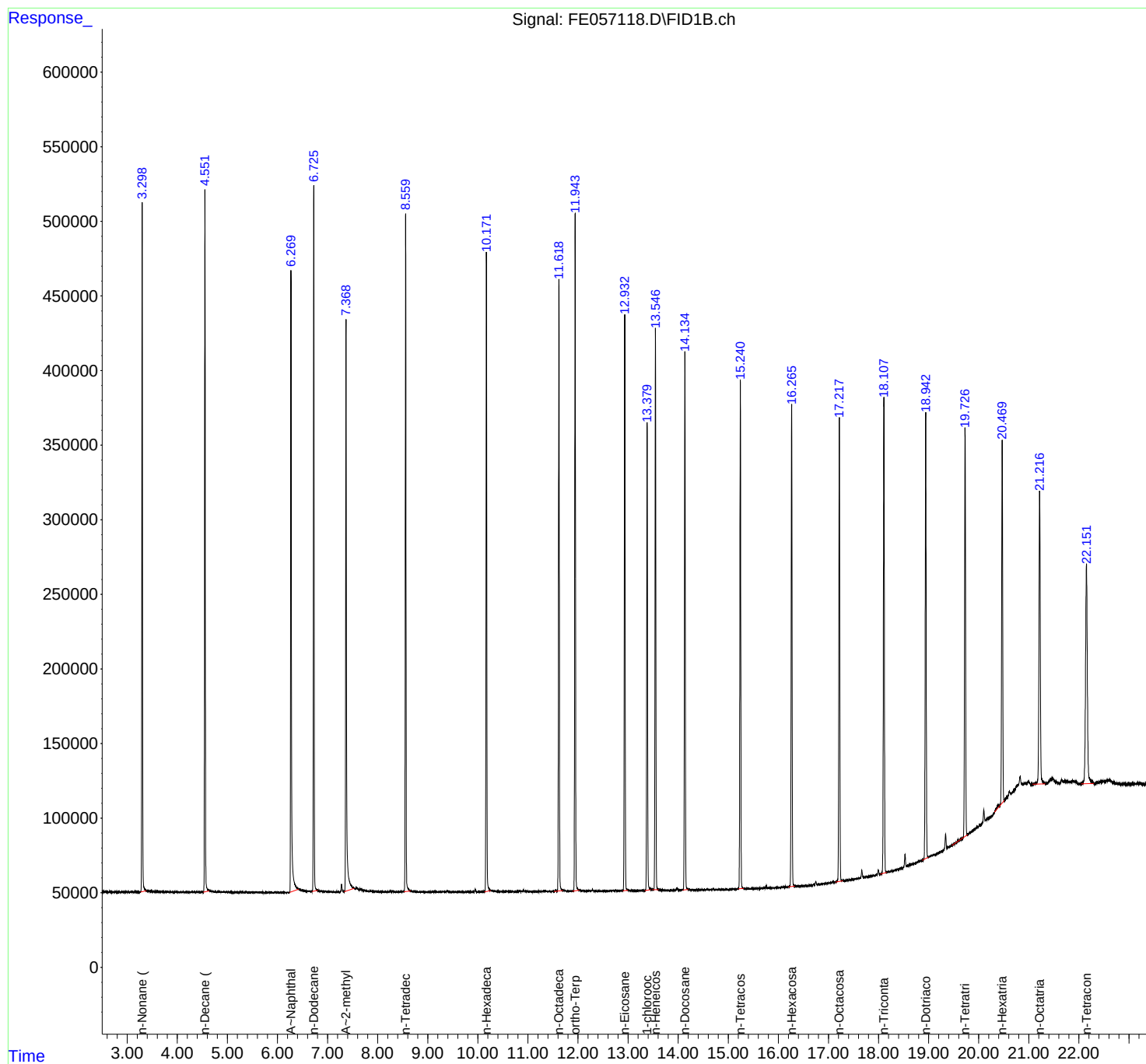
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057118.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 07:55
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Dec 02 10:18:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 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\FE120225AL\
 Data File : FE057118.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 07:55
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.299	3.267	3.385	BB	461662	4539027	91.17%	4.813%
2	4.552	4.517	4.637	BB	470418	4649786	93.40%	4.931%
3	6.269	6.240	6.422	BB	415268	4706304	94.54%	4.991%
4	6.725	6.692	6.798	BB	473093	4694289	94.29%	4.978%
5	7.369	7.332	7.530	BB	381560	4438928	89.16%	4.707%
6	8.559	8.522	8.660	BB	453779	4613202	92.66%	4.892%
7	10.172	10.135	10.258	BB	428145	4673342	93.87%	4.956%
8	11.619	11.518	11.702	BB	410688	4673597	93.88%	4.956%
9	11.943	11.888	12.027	BB	456713	4978370	100.00%	5.279%
10	12.933	12.893	12.998	BB	384380	4424397	88.87%	4.692%
11	13.380	13.335	13.452	BB	313222	3753525	75.40%	3.980%
12	13.546	13.487	13.610	BB	376963	4316273	86.70%	4.577%
13	14.135	14.097	14.202	BB	361022	4271621	85.80%	4.530%
14	15.241	15.202	15.308	BB	340456	4216007	84.69%	4.471%
15	16.265	16.202	16.332	BB	322930	4154697	83.45%	4.406%
16	17.217	17.138	17.285	BB	311238	4105447	82.47%	4.353%
17	18.107	18.035	18.163	BB	318121	4199849	84.36%	4.454%
18	18.942	18.870	18.998	BB	298573	4117574	82.71%	4.366%
19	19.728	19.465	19.777	BV	268440	3893670	78.21%	4.129%
20	20.469	20.320	20.507	BV	242135	3606478	72.44%	3.824%
21	21.217	21.078	21.330	BB	195569	3616235	72.64%	3.835%
22	22.151	22.050	22.298	BB	147667	3659738	73.51%	3.881%
Sum of corrected areas:							94302354	

Aliphatic EPH 112725.M Tue Dec 02 10:24:55 2025

Continuing Calibration Report for SequenceID : FE120225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FE057122.D

Aliphatic C9-C12	13592185.000	60.000	3.199	6.825	226536.417	200655.681	-12.898
Aliphatic C12-C16	9112255.000	40.000	6.826	10.272	227806.375	203177.346	-12.122
Aliphatic C21-C28	16391673.000	80.000	13.647	17.317	204895.913	198747.045	-3.094
Aliphatic C28-C40	22343226.000	120.000	17.318	22.251	186193.550	199899.890	6.857
Aliphatic EPH	74586472.000	360.000	3.199	22.251	207184.644	199869.809	-3.660
Aliphatic C16-C21	13147133.000	60.000	10.273	13.646	219118.883	198315.768	-10.490

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	02 Dec 2025 13:24
Client Sample ID:		Operator:	YP\AJ
Data file:	FE057122.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.199	6.825	13592185.000	60.000	ug/ml
Aliphatic C12-C16	6.826	10.272	9112255.000	40.000	ug/ml
Aliphatic C16-C21	10.273	13.646	13147133.000	60.000	ug/ml
Aliphatic C21-C28	13.647	17.317	16391673.000	80.000	ug/ml
Aliphatic C28-C40	17.318	22.251	22343226.000	120.000	ug/ml
Aliphatic EPH	3.199	22.251	74586472.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057122.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 13:24
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Dec 03 00:47:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.943	4878153	22.230 ug/ml
Spiked Amount 50.000		Recovery =	44.46%
12) S 1-chlorooctadecane (S...	13.382	3670954	22.057 ug/ml
Spiked Amount 50.000		Recovery =	44.11%
Target Compounds			
1) T n-Nonane (C9)	3.298	4441825	22.707 ug/ml
2) T n-Decane (C10)	4.551	4549849	22.495 ug/ml
3) T A~Naphthalene (C11.7)	6.269	4613115	22.913 ug/ml
4) T n-Dodecane (C12)	6.725	4600511	22.541 ug/ml
5) T A~2-methylnaphthalene...	7.369	4327441	22.521 ug/ml
6) T n-Tetradecane (C14)	8.559	4524187	22.477 ug/ml
7) T n-Hexadecane (C16)	10.172	4588068	22.373 ug/ml
8) T n-Octadecane (C18)	11.620	4582246	22.232 ug/ml
10) T n-Eicosane (C20)	12.934	4336206	22.044 ug/ml
11) T n-Heneicosane (C21)	13.548	4228681	22.010 ug/ml
13) T n-Docosane (C22)	14.136	4182485	21.666 ug/ml
14) T n-Tetracosane (C24)	15.242	4128692	20.846 ug/ml
15) T n-Hexacosane (C26)	16.267	4060611	20.468 ug/ml
16) T n-Octacosane (C28)	17.219	4019885	19.561 ug/ml
17) T n-Tricontane (C30)	18.109	4099678	18.267 ug/ml
18) T n-Dotriacontane (C32)	18.944	4016125	17.204 ug/ml
19) T n-Tetratriacontane (C34)	19.730	3839622	17.977 ug/ml
20) T n-Hexatriacontane (C36)	20.473	3564689	19.152 ug/ml
21) T n-Octatriacontane (C38)	21.222	3374906	19.474 ug/ml
22) T n-Tetracontane (C40)	22.158	3448206	20.462 ug/ml

(f)=RT Delta > 1/2 Window

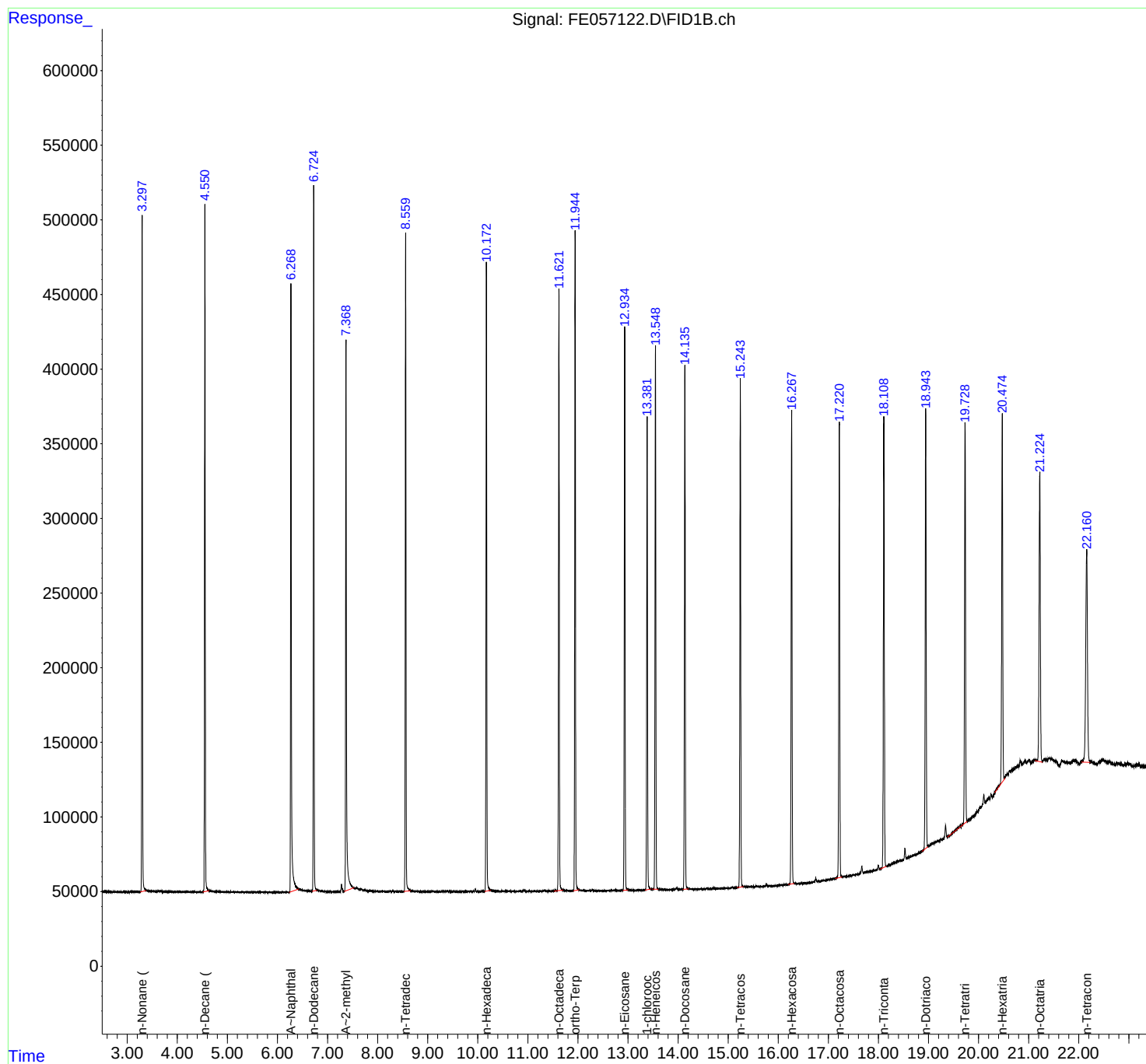
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057122.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 13:24
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Dec 03 00:47:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 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\FE120225AL\
 Data File : FE057122.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 13:24
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.298	3.262	3.382	BB	452065	4441825	91.06%	4.824%
2	4.551	4.512	4.638	BB	458373	4549849	93.27%	4.941%
3	6.269	6.237	6.423	BB	406222	4613115	94.57%	5.010%
4	6.725	6.692	6.792	BB	473136	4600511	94.31%	4.996%
5	7.369	7.333	7.525	BB	369435	4327441	88.71%	4.700%
6	8.559	8.522	8.660	BB	438661	4524187	92.74%	4.914%
7	10.172	10.135	10.260	BB	421259	4588068	94.05%	4.983%
8	11.620	11.527	11.700	BB	399421	4582246	93.93%	4.977%
9	11.943	11.905	12.023	BB	440410	4878153	100.00%	5.298%
10	12.934	12.893	13.003	BB	377227	4336206	88.89%	4.709%
11	13.382	13.338	13.458	BB	317264	3670954	75.25%	3.987%
12	13.548	13.488	13.608	BB	364200	4228681	86.69%	4.593%
13	14.136	14.098	14.210	BB	350705	4182485	85.74%	4.542%
14	15.242	15.175	15.308	BB	339805	4128692	84.64%	4.484%
15	16.267	16.202	16.323	BB	314365	4060611	83.24%	4.410%
16	17.219	17.138	17.277	BB	304904	4019885	82.41%	4.366%
17	18.109	18.033	18.160	BB	301043	4099678	84.04%	4.452%
18	18.944	18.870	18.988	BB	293552	4016125	82.33%	4.362%
19	19.730	19.375	19.772	PV	267004	3839622	78.71%	4.170%
20	20.473	20.320	20.525	BV	246512	3564689	73.07%	3.871%
21	21.222	21.132	21.275	BV	192297	3374906	69.18%	3.665%
22	22.158	22.050	22.230	BB	140069	3448206	70.69%	3.745%
Sum of corrected areas:							92076134	

Aliphatic EPH 112725.M Wed Dec 03 03:06:22 2025

Continuing Calibration Report for SequenceID : FE120225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FE057143.D

Aliphatic C9-C12	12214582.000	60.000	3.199	6.825	203576.367	200655.681	-1.456
Aliphatic C12-C16	8179345.000	40.000	6.826	10.272	204483.625	203177.346	-0.643
Aliphatic C21-C28	14776603.000	80.000	13.647	17.317	184707.538	198747.045	7.064
Aliphatic C28-C40	20281555.000	120.000	17.318	22.251	169012.958	199899.890	15.451
Aliphatic EPH	67280886.000	360.000	3.199	22.251	186891.350	199869.809	6.493
Aliphatic C16-C21	11828801.000	60.000	10.273	13.646	197146.683	198315.768	0.590

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	03 Dec 2025 01:59
Client Sample ID:		Operator:	YP\AJ
Data file:	FE057143.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.199	6.825	12214582.000	60.000	ug/ml
Aliphatic C12-C16	6.826	10.272	8179345.000	40.000	ug/ml
Aliphatic C16-C21	10.273	13.646	11828801.000	60.000	ug/ml
Aliphatic C21-C28	13.647	17.317	14776603.000	80.000	ug/ml
Aliphatic C28-C40	17.318	22.251	20281555.000	120.000	ug/ml
Aliphatic EPH	3.199	22.251	67280886.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057143.D
 Signal(s) : FID1B.ch
 Acq On : 03 Dec 2025 01:59
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Dec 03 03:11:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.937	4380912	19.964 ug/ml
Spiked Amount 50.000		Recovery =	39.93%
12) S 1-chlorooctadecane (S...	13.375	3313736	19.911 ug/ml
Spiked Amount 50.000		Recovery =	39.82%
Target Compounds			
1) T n-Nonane (C9)	3.295	3989203	20.393 ug/ml
2) T n-Decane (C10)	4.548	4092390	20.233 ug/ml
3) T A~Naphthalene (C11.7)	6.265	4115754	20.443 ug/ml
4) T n-Dodecane (C12)	6.721	4132989	20.250 ug/ml
5) T A~2-methylnaphthalene...	7.365	3837295	19.970 ug/ml
6) T n-Tetradecane (C14)	8.555	4063491	20.188 ug/ml
7) T n-Hexadecane (C16)	10.167	4115854	20.070 ug/ml
8) T n-Octadecane (C18)	11.615	4118112	19.980 ug/ml
10) T n-Eicosane (C20)	12.928	3905562	19.854 ug/ml
11) T n-Heneicosane (C21)	13.541	3805127	19.806 ug/ml
13) T n-Docosane (C22)	14.129	3766422	19.511 ug/ml
14) T n-Tetracosane (C24)	15.235	3714852	18.757 ug/ml
15) T n-Hexacosane (C26)	16.257	3660019	18.449 ug/ml
16) T n-Octacosane (C28)	17.210	3635310	17.690 ug/ml
17) T n-Tricontane (C30)	18.101	3737802	16.655 ug/ml
18) T n-Dotriacontane (C32)	18.935	3692304	15.817 ug/ml
19) T n-Tetratriacontane (C34)	19.720	3510907	16.438 ug/ml
20) T n-Hexatriacontane (C36)	20.462	3206738	17.228 ug/ml
21) T n-Octatriacontane (C38)	21.209	3066129	17.692 ug/ml
22) T n-Tetracontane (C40)	22.140	3067675	18.204 ug/ml

(f)=RT Delta > 1/2 Window

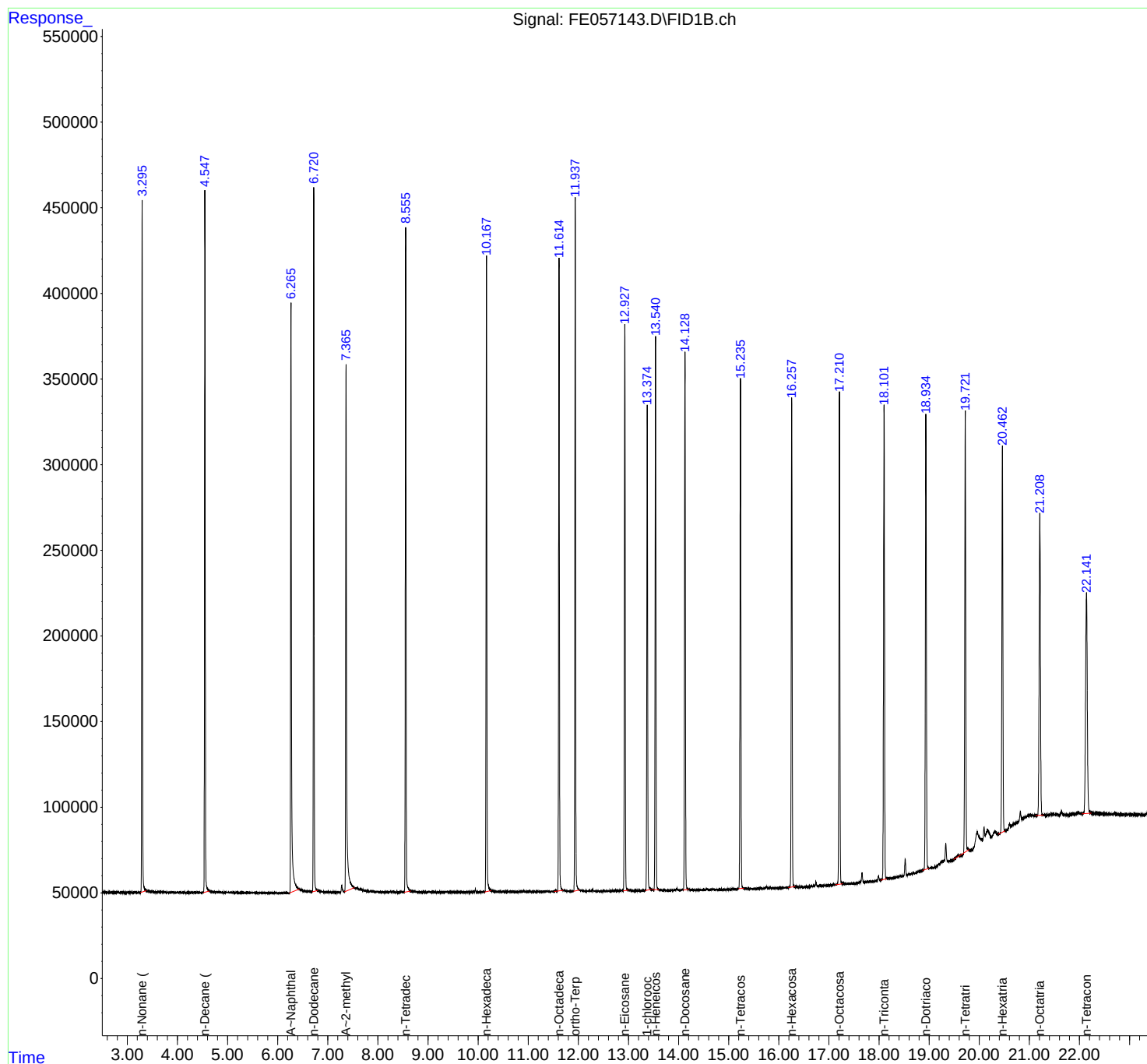
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057143.D
Signal(s) : FID1B.ch
Acq On : 03 Dec 2025 01:59
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Dec 03 03:11:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 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\FE120225AL\
Data File : FE057143.D
Signal(s) : FID1B.ch
Acq On : 03 Dec 2025 01:59
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.295	3.260	3.382	BB	403664	3989203	91.06%	4.810%
2	4.548	4.515	4.637	BB	408931	4092390	93.41%	4.935%
3	6.265	6.233	6.432	BB	343682	4115754	93.95%	4.963%
4	6.721	6.688	6.797	BB	411428	4132989	94.34%	4.984%
5	7.365	7.330	7.527	BB	307033	3837295	87.59%	4.627%
6	8.555	8.522	8.658	BB	389318	4063491	92.75%	4.900%
7	10.167	10.130	10.263	BB	371743	4115854	93.95%	4.963%
8	11.615	11.517	11.697	BB	370364	4118112	94.00%	4.966%
9	11.937	11.902	12.022	BB	404485	4380912	100.00%	5.283%
10	12.928	12.888	12.997	BB	332036	3905562	89.15%	4.710%
11	13.375	13.333	13.448	BB	282993	3313736	75.64%	3.996%
12	13.541	13.475	13.605	BB	322451	3805127	86.86%	4.588%
13	14.129	14.092	14.198	BB	314448	3766422	85.97%	4.542%
14	15.235	15.195	15.300	BB	297766	3714852	84.80%	4.480%
15	16.257	16.188	16.323	BB	285167	3660019	83.54%	4.413%
16	17.210	17.125	17.272	BB	286617	3635310	82.98%	4.384%
17	18.101	18.037	18.152	BB	276491	3737802	85.32%	4.507%
18	18.935	18.870	18.993	BB	264201	3692304	84.28%	4.452%
19	19.720	19.490	19.793	BB	255396	3510907	80.14%	4.234%
20	20.462	20.378	20.517	BB	225124	3206738	73.20%	3.867%
21	21.209	21.128	21.278	BB	176208	3066129	69.99%	3.697%
22	22.140	22.050	22.237	BB	128598	3067675	70.02%	3.699%
Sum of corrected areas:							82928583	

Aliphatic EPH 112725.M Wed Dec 03 03:25:50 2025

Continuing Calibration Report for SequenceID : FE120225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FE057149.D

Aliphatic C9-C12	12109422.000	60.000	3.199	6.825	201823.700	200655.681	-0.582
Aliphatic C12-C16	8134734.000	40.000	6.826	10.272	203368.350	203177.346	-0.094
Aliphatic C21-C28	14775055.000	80.000	13.647	17.317	184688.188	198747.045	7.074
Aliphatic C28-C40	20241882.000	120.000	17.318	22.251	168682.350	199899.890	15.617
Aliphatic EPH	67068270.000	360.000	3.199	22.251	186300.750	199869.809	6.789
Aliphatic C16-C21	11807177.000	60.000	10.273	13.646	196786.283	198315.768	0.771

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	03 Dec 2025 06:01
Client Sample ID:		Operator:	YP\AJ
Data file:	FE057149.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.199	6.825	12109422.000	60.000	ug/ml
Aliphatic C12-C16	6.826	10.272	8134734.000	40.000	ug/ml
Aliphatic C16-C21	10.273	13.646	11807177.000	60.000	ug/ml
Aliphatic C21-C28	13.647	17.317	14775055.000	80.000	ug/ml
Aliphatic C28-C40	17.318	22.251	20241882.000	120.000	ug/ml
Aliphatic EPH	3.199	22.251	67068270.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057149.D
 Signal(s) : FID1B.ch
 Acq On : 03 Dec 2025 06:01
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Dec 03 06:35:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.937	4374488	19.935 ug/ml
Spiked Amount 50.000		Recovery =	39.87%
12) S 1-chlorooctadecane (S...	13.375	3314264	19.914 ug/ml
Spiked Amount 50.000		Recovery =	39.83%
Target Compounds			
1) T n-Nonane (C9)	3.295	3952423	20.205 ug/ml
2) T n-Decane (C10)	4.548	4053715	20.042 ug/ml
3) T A~Naphthalene (C11.7)	6.265	4079941	20.265 ug/ml
4) T n-Dodecane (C12)	6.721	4103284	20.105 ug/ml
5) T A~2-methylnaphthalene...	7.365	3839102	19.980 ug/ml
6) T n-Tetradecane (C14)	8.554	4029383	20.019 ug/ml
7) T n-Hexadecane (C16)	10.166	4105351	20.019 ug/ml
8) T n-Octadecane (C18)	11.614	4102982	19.906 ug/ml
10) T n-Eicosane (C20)	12.927	3897888	19.815 ug/ml
11) T n-Heneicosane (C21)	13.540	3806307	19.812 ug/ml
13) T n-Docosane (C22)	14.128	3763222	19.494 ug/ml
14) T n-Tetracosane (C24)	15.234	3712595	18.745 ug/ml
15) T n-Hexacosane (C26)	16.258	3666175	18.480 ug/ml
16) T n-Octacosane (C28)	17.210	3633063	17.679 ug/ml
17) T n-Tricontane (C30)	18.100	3720874	16.580 ug/ml
18) T n-Dotriacontane (C32)	18.935	3661532	15.685 ug/ml
19) T n-Tetratriacontane (C34)	19.720	3542446	16.586 ug/ml
20) T n-Hexatriacontane (C36)	20.463	3243391	17.425 ug/ml
21) T n-Octatriacontane (C38)	21.209	3049856	17.598 ug/ml
22) T n-Tetracontane (C40)	22.140	3023783	17.944 ug/ml

(f)=RT Delta > 1/2 Window

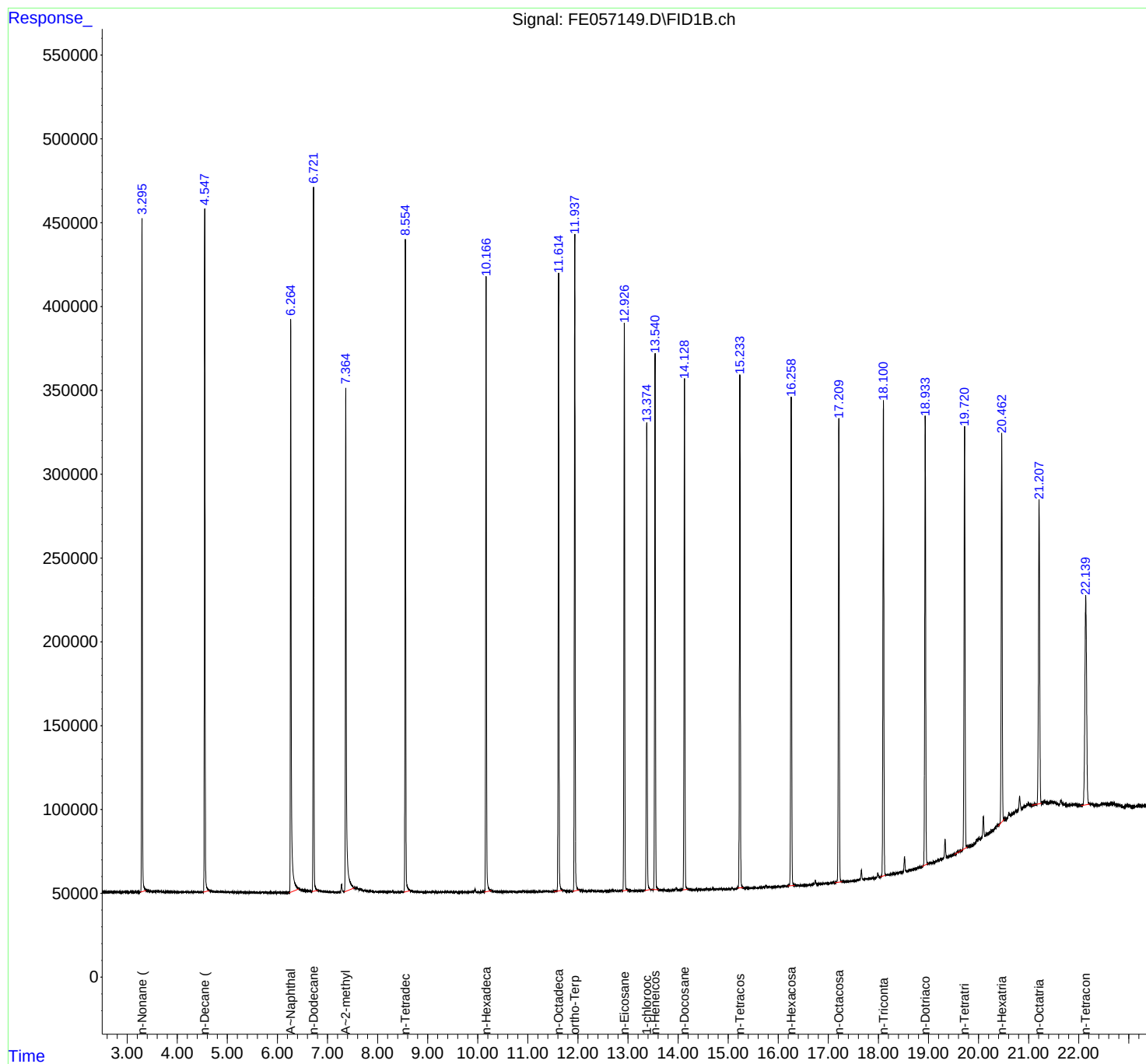
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057149.D
Signal(s) : FID1B.ch
Acq On : 03 Dec 2025 06:01
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Dec 03 06:35:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 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\FE120225AL\
 Data File : FE057149.D
 Signal(s) : FID1B.ch
 Acq On : 03 Dec 2025 06:01
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.295	3.262	3.382	BB	401102	3952423	90.35%	4.781%
2	4.548	4.515	4.637	BB	407338	4053715	92.67%	4.903%
3	6.265	6.234	6.430	BB	339155	4079941	93.27%	4.935%
4	6.721	6.687	6.805	BB	419618	4103284	93.80%	4.963%
5	7.365	7.332	7.537	BB	298364	3839102	87.76%	4.644%
6	8.554	8.520	8.647	BB	388457	4029383	92.11%	4.874%
7	10.166	10.129	10.269	BB	368324	4105351	93.85%	4.966%
8	11.614	11.520	11.694	BB	368245	4102982	93.79%	4.963%
9	11.937	11.890	12.022	BB	391665	4374488	100.00%	5.291%
10	12.927	12.889	12.994	BB	338666	3897888	89.11%	4.715%
11	13.375	13.330	13.452	BB	276971	3314264	75.76%	4.009%
12	13.540	13.475	13.609	BB	320252	3806307	87.01%	4.604%
13	14.128	14.090	14.199	BB	305464	3763222	86.03%	4.552%
14	15.234	15.195	15.299	BB	304028	3712595	84.87%	4.491%
15	16.258	16.189	16.325	BB	290591	3666175	83.81%	4.434%
16	17.210	17.125	17.277	BB	273933	3633063	83.05%	4.394%
17	18.100	18.035	18.145	BB	283153	3720874	85.06%	4.501%
18	18.935	18.870	18.982	BB	264283	3661532	83.70%	4.429%
19	19.720	19.524	19.780	BB	252063	3542446	80.98%	4.285%
20	20.463	20.389	20.505	PB	230492	3243391	74.14%	3.923%
21	21.209	21.065	21.255	BB	179445	3049856	69.72%	3.689%
22	22.140	22.050	22.222	BB	124653	3023783	69.12%	3.657%
Sum of corrected areas:							82676067	

Aliphatic EPH 112725.M Wed Dec 03 06:48:41 2025



QC SAMPLE DATA

Report of Analysis

Client:	Remington & Vernick	Date Collected:	
Project:	Saddler Property	Date Received:	
Client Sample ID:	PB170789BL	SDG No.:	Q3742
Lab Sample ID:	PB170789BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/02/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FE057123.D	12/02/25 15:25	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	FE057123.D	12/02/25 15:25	PB170789
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	5.99	mg/kg			
Total EPH	Total EPH	2.09	U		2.09	5.99	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick	Date Collected:	
Project:	Saddler Property	Date Received:	
Client Sample ID:	PB170789BL	SDG No.:	Q3742
Lab Sample ID:	PB170789BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL
Prep Method :		Prep Date	12/02/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	12/02/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	12/02/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	28.3			40 - 140	57%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	33.4			40 - 140	67%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170789BL	Acq On:	02 Dec 2025 15:25
Client Sample ID:	PB170789BL	Operator:	YP\AJ
Data file:	FE057123.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.199	6.825	0	0	300	ug/ml
Aliphatic C12-C16	6.826	10.272	0	0	200	ug/ml
Aliphatic C16-C21	10.273	13.646	0	0	300	ug/ml
Aliphatic C21-C28	13.647	17.317	0	0	400	ug/ml
Aliphatic C28-C40	17.318	22.251	0	0	600	ug/ml
Aliphatic EPH	3.199	22.251	0	0		ug/ml
ortho-Terphenyl (SURR)	11.948	11.948	7337091	33.44		ug/ml
1-chlorooctadecane (SURR)	13.386	13.386	4705446	28.27		ug/ml
Aliphatic C9-C28	3.199	17.317	0	0	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057123.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 15:25
 Operator : YP\AJ
 Sample : PB170789BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB170789BL

Integration File: autoint1.e
 Quant Time: Dec 03 00:48:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.948	7337091	33.435 ug/ml
Spiked Amount 50.000		Recovery =	66.87%
12) S 1-chlorooctadecane (S...	13.386	4705446	28.273 ug/ml
Spiked Amount 50.000		Recovery =	56.55%

Target Compounds

(f)=RT Delta > 1/2 Window

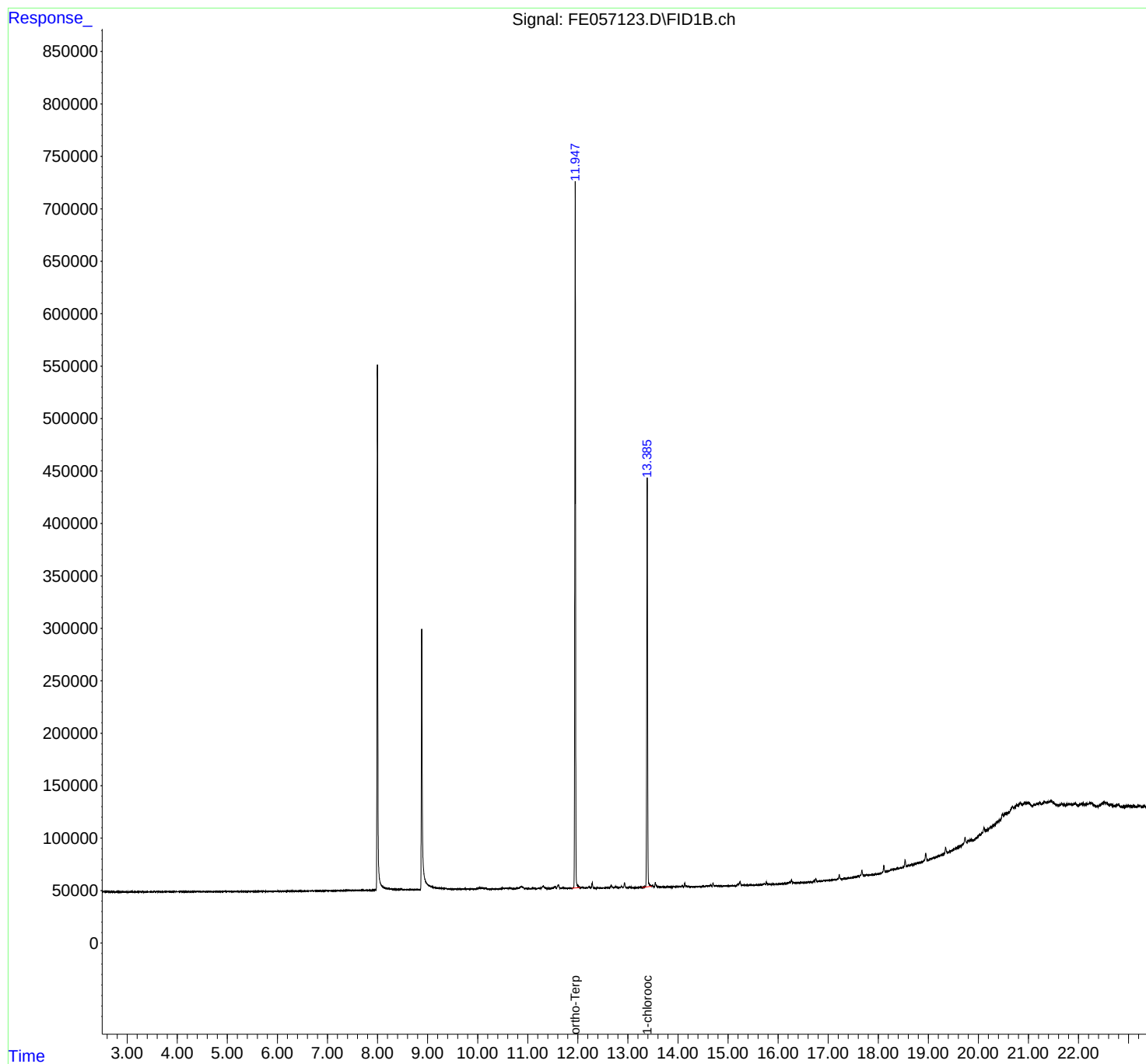
(m)=manual int.

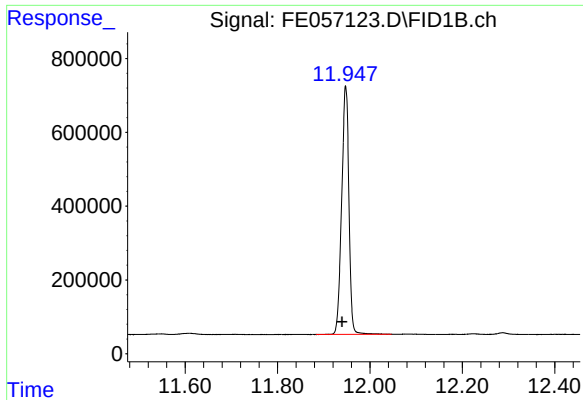
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057123.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 15:25
Operator : YP\AJ
Sample : PB170789BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170789BL

Integration File: autoint1.e
Quant Time: Dec 03 00:48:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

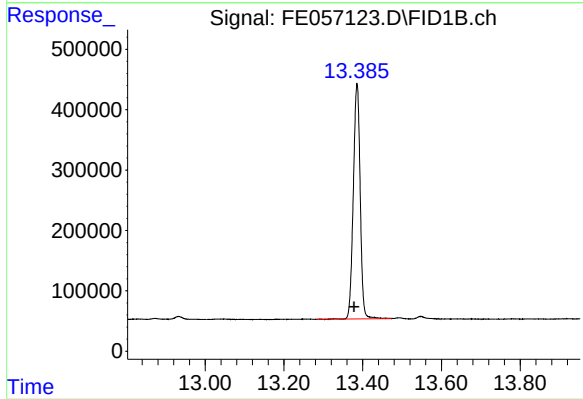




#9 ortho-Terphenyl (SURR)

R.T.: 11.948 min
Delta R.T.: 0.008 min
Response: 7337091
Conc: 33.44 ug/ml

Instrument :
FID_E
ClientSampleId :
PB170789BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.386 min
Delta R.T.: 0.007 min
Response: 4705446
Conc: 28.27 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057123.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 15:25
Sample : PB170789BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	11.948	11.884	12.047	BB	674954	7337091	100.00%	60.926%
2	13.386	13.282	13.474	BV	390197	4705446	64.13%	39.074%
Sum of corrected areas:							12042536	

Aliphatic EPH 112725.M Wed Dec 03 03:06:44 2025

Report of Analysis

Client:	Remington & Vernick	Date Collected:	
Project:	Saddler Property	Date Received:	
Client Sample ID:	PB170789BS	SDG No.:	Q3742
Lab Sample ID:	PB170789BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/02/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	27.2		1	1.18	2.00	mg/kg	FE057124.D	12/02/25 15:55	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	78.5		1	0.91	4.00	mg/kg	FE057124.D	12/02/25 15:55	PB170789
Total AliphaticEPH	Total AliphaticEPH	106			2.09	6.00	mg/kg			
Total EPH	Total EPH	106			2.09	6.00	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick	Date Collected:	
Project:	Saddler Property	Date Received:	
Client Sample ID:	PB170789BS	SDG No.:	Q3742
Lab Sample ID:	PB170789BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL
Prep Method :		Prep Date	12/02/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	78.5	1		0.91	4.00	mg/kg	12/02/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	27.2	1		1.18	2.00	mg/kg	12/02/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	31.1			40 - 140	62%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	34.7			40 - 140	69%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170789BS	Acq On:	02 Dec 2025 15:55
Client Sample ID:	PB170789BS	Operator:	YP\AJ
Data file:	FE057124.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.199	6.825	43030397	214.449	300	ug/ml
Aliphatic C12-C16	6.826	10.272	54660835	269.03	200	ug/ml
Aliphatic C16-C21	10.273	13.646	60583595	305.491	300	ug/ml
Aliphatic C21-C28	13.647	17.317	77284549	388.859	400	ug/ml
Aliphatic C28-C40	17.318	22.251	81664932	408.529	600	ug/ml
Aliphatic EPH	3.199	22.251	317224308	1590		ug/ml
ortho-Terphenyl (SURR)	11.946	11.946	7615667	34.7		ug/ml
1-chlorooctadecane (SURR)	13.383	13.383	5182768	31.14		ug/ml
Aliphatic C9-C28	3.199	17.317	235559376	1180	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057124.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 15:55
 Operator : YP\AJ
 Sample : PB170789BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB170789BS

Integration File: autoint1.e
 Quant Time: Dec 03 00:48:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.946	7615667	34.705 ug/ml
Spiked Amount 50.000		Recovery =	69.41%
12) S 1-chlorooctadecane (S...	13.383	5182768	31.141 ug/ml
Spiked Amount 50.000		Recovery =	62.28%
Target Compounds			
1) T n-Nonane (C9)	3.312	7485613	38.268 ug/ml
2) T n-Decane (C10)	4.560	7956728	39.339 ug/ml
3) T A~Naphthalene (C11.7)	6.273	9632065	47.842 ug/ml
4) T n-Dodecane (C12)	6.728	8460208	41.452 ug/ml
5) T A~2-methylnaphthalene...	7.372	8547397	44.483 ug/ml
6) T n-Tetradecane (C14)	8.563	8536778	42.413 ug/ml
7) T n-Hexadecane (C16)	10.174	8423128	41.073 ug/ml
8) T n-Octadecane (C18)	11.622	8370775	40.613 ug/ml
10) T n-Eicosane (C20)	12.937	8292743	42.157 ug/ml
11) T n-Heneicosane (C21)	13.550	8134752	42.341 ug/ml
13) T n-Docosane (C22)	14.138	8036604	41.632 ug/ml
14) T n-Tetracosane (C24)	15.249	17391899	87.813 ug/ml
15) T n-Hexacosane (C26)	16.271	7809104	39.362 ug/ml
16) T n-Octacosane (C28)	17.222	8293642	40.358 ug/ml
17) T n-Tricontane (C30)	18.115	7581430	33.781 ug/ml
18) T n-Dotriacontane (C32)	18.947	7591724	32.522 ug/ml
19) T n-Tetratriacontane (C34)	19.734	8394074	39.301 ug/ml
20) T n-Hexatriacontane (C36)	20.476	8855796	47.578 ug/ml
21) T n-Octatriacontane (C38)	21.226	9280808	53.551 ug/ml
22) T n-Tetracontane (C40)	22.164	9733455	57.760 ug/ml

(f)=RT Delta > 1/2 Window

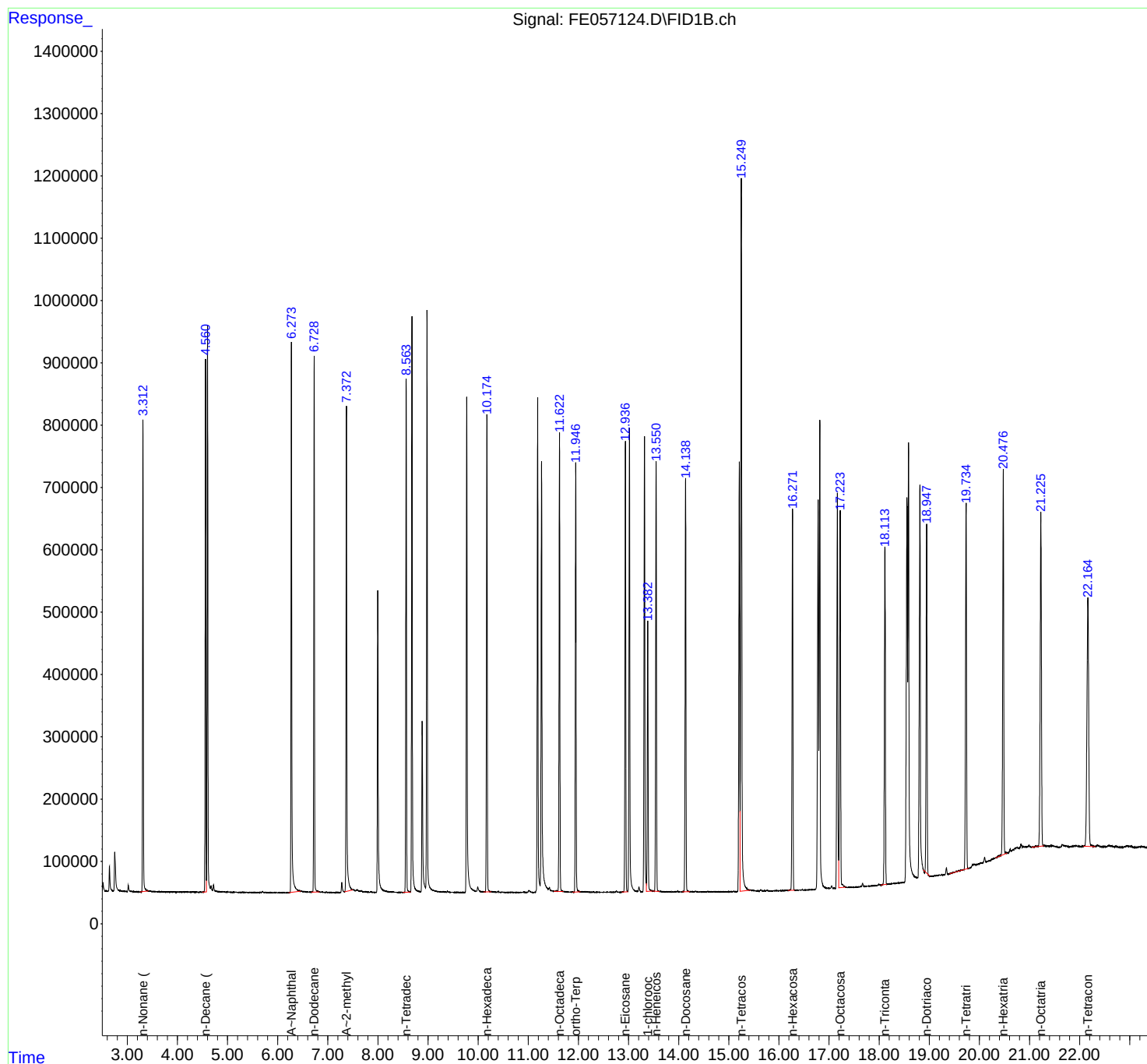
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057124.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 15:55
Operator : YP\AJ
Sample : PB170789BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170789BS

Integration File: autoint1.e
Quant Time: Dec 03 00:48:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057124.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 15:55
 Sample : PB170789BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.312	3.254	3.417	BB	756909	7485613	43.04%	2.268%
2	4.560	4.497	4.579	BV	855271	7956728	45.75%	2.411%
3	4.600	4.579	4.656	VV	909954	9495783	54.60%	2.877%
4	6.273	6.217	6.459	BB	887508	9632065	55.38%	2.919%
5	6.728	6.672	6.834	BB	863328	8460208	48.64%	2.564%
6	7.372	7.335	7.500	PV	780487	8547397	49.15%	2.590%
7	8.563	8.495	8.649	BV	825447	8536778	49.08%	2.587%
8	8.679	8.649	8.834	PB	922930	9764822	56.15%	2.959%
9	8.979	8.948	9.145	VB	930549	9880135	56.81%	2.994%
10	9.772	9.719	9.955	BB	795918	9508575	54.67%	2.881%
11	10.174	10.112	10.262	BB	764466	8423128	48.43%	2.552%
12	11.187	11.115	11.235	BV	793216	8882242	51.07%	2.691%
13	11.264	11.235	11.404	VV	686192	9048817	52.03%	2.742%
14	11.622	11.509	11.700	BB	736536	8370775	48.13%	2.536%
15	11.946	11.884	12.040	BB	683340	7615667	43.79%	2.308%
16	12.937	12.865	12.981	BV	722614	8292743	47.68%	2.513%
17	13.018	12.981	13.167	VB	745834	8998950	51.74%	2.727%
18	13.318	13.255	13.355	BV	732893	8855316	50.92%	2.683%
19	13.383	13.355	13.475	VB	432747	5182768	29.80%	1.570%
20	13.550	13.490	13.619	BB	690714	8134752	46.77%	2.465%
21	14.138	14.072	14.224	BB	662659	8036604	46.21%	2.435%
22	15.209	15.147	15.225	BV	689065	8400383	48.30%	2.545%
23	15.249	15.225	15.429	VB	1141114	17391899	100.00%	5.270%
24	16.271	16.175	16.315	BB	611828	7809104	44.90%	2.366%
25	16.782	16.709	16.797	BV	626366	8910806	51.24%	2.700%
26	16.816	16.797	16.947	VB	751814	9659403	55.54%	2.927%
27	17.167	17.100	17.193	BV	635432	8782708	50.50%	2.661%
28	17.222	17.193	17.334	VB	604277	8293642	47.69%	2.513%
29	18.115	18.030	18.154	BB	540571	7581430	43.59%	2.297%
30	18.555	18.480	18.568	BV	606986	9413683	54.13%	2.852%
31	18.585	18.568	18.759	VV	704718	10481841	60.27%	3.176%
32	18.814	18.773	18.905	M	630607	9998517	57.49%	3.030%
33	18.947	18.909	19.018	M	566706	7925328	45.57%	2.401%
34	19.734	19.400	19.787	BV	582040	8394074	48.26%	2.543%
35	20.476	20.320	20.549	BBA	616721	8855796	50.92%	2.683%
36	21.226	21.040	21.292	BB	533449	9280808	53.36%	2.812%

rters
37 22.164 22.075 22.310 BV 398323 9733455 55.97% 2.949%
Sum of corrected areas: 330022744

Aliphatic EPH 112725.M Wed Dec 03 03:07:53 2025

Report of Analysis

Client:	Remington & Vernick	Date Collected:	
Project:	Saddler Property	Date Received:	
Client Sample ID:	PB170789BSD	SDG No.:	Q3742
Lab Sample ID:	PB170789BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/02/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	26.9		1	1.18	2.00	mg/kg	FE057125.D	12/02/25 16:26	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	79.6		1	0.91	3.99	mg/kg	FE057125.D	12/02/25 16:26	PB170789
Total AliphaticEPH	Total AliphaticEPH	107			2.09	5.99	mg/kg			
Total EPH	Total EPH	107			2.09	5.99	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick	Date Collected:	
Project:	Saddler Property	Date Received:	
Client Sample ID:	PB170789BSD	SDG No.:	Q3742
Lab Sample ID:	PB170789BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL
Prep Method :		Prep Date	12/02/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	79.6	1		0.91	3.99	mg/kg	12/02/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	26.9	1		1.18	2.00	mg/kg	12/02/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	31.3			40 - 140	63%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	34.9			40 - 140	70%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170789BSD	Acq On:	02 Dec 2025 16:26
Client Sample ID:	PB170789BSD	Operator:	YP\AJ
Data file:	FE057125.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.199	6.825	43692163	217.747	300	ug/ml
Aliphatic C12-C16	6.826	10.272	55417401	272.754	200	ug/ml
Aliphatic C16-C21	10.273	13.646	61555537	310.392	300	ug/ml
Aliphatic C21-C28	13.647	17.317	78334872	394.144	400	ug/ml
Aliphatic C28-C40	17.318	22.251	80788439	404.144	600	ug/ml
Aliphatic EPH	3.199	22.251	319788412	1600		ug/ml
ortho-Terphenyl (SURR)	11.945	11.945	7657872	34.9		ug/ml
1-chlorooctadecane (SURR)	13.382	13.382	5212688	31.32		ug/ml
Aliphatic C9-C28	3.199	17.317	238999973	1200	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057125.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 16:26
 Operator : YP\AJ
 Sample : PB170789BSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB170789BSD

Integration File: autoint1.e
 Quant Time: Dec 03 00:49:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.945	7657872	34.897 ug/ml
Spiked Amount 50.000		Recovery =	69.79%
12) S 1-chlorooctadecane (S...	13.382	5212688	31.321 ug/ml
Spiked Amount 50.000		Recovery =	62.64%
Target Compounds			
1) T n-Nonane (C9)	3.313	7598010	38.842 ug/ml
2) T n-Decane (C10)	4.560	8074529	39.922 ug/ml
3) T A~Naphthalene (C11.7)	6.272	9797502	48.664 ug/ml
4) T n-Dodecane (C12)	6.728	8578881	42.034 ug/ml
5) T A~2-methylnaphthalene...	7.371	8680023	45.173 ug/ml
6) T n-Tetradecane (C14)	8.563	8660223	43.026 ug/ml
7) T n-Hexadecane (C16)	10.174	8535493	41.621 ug/ml
8) T n-Octadecane (C18)	11.622	8475154	41.119 ug/ml
10) T n-Eicosane (C20)	12.936	8405295	42.729 ug/ml
11) T n-Heneicosane (C21)	13.549	8248469	42.933 ug/ml
13) T n-Docosane (C22)	14.137	8156064	42.250 ug/ml
14) T n-Tetracosane (C24)	15.248	17693902	89.338 ug/ml
15) T n-Hexacosane (C26)	16.271	7932116	39.982 ug/ml
16) T n-Octacosane (C28)	17.220	8168554	39.750 ug/ml
17) T n-Tricontane (C30)	18.114	7679394	34.218 ug/ml
18) T n-Dotriacontane (C32)	18.946	7694677	32.963 ug/ml
19) T n-Tetratriacontane (C34)	19.732	8391301	39.288 ug/ml
20) T n-Hexatriacontane (C36)	20.475	8977328	48.231 ug/ml
21) T n-Octatriacontane (C38)	21.226	9424088	54.378 ug/ml
22) T n-Tetracontane (C40)	22.163	9700501	57.565 ug/ml

(f)=RT Delta > 1/2 Window

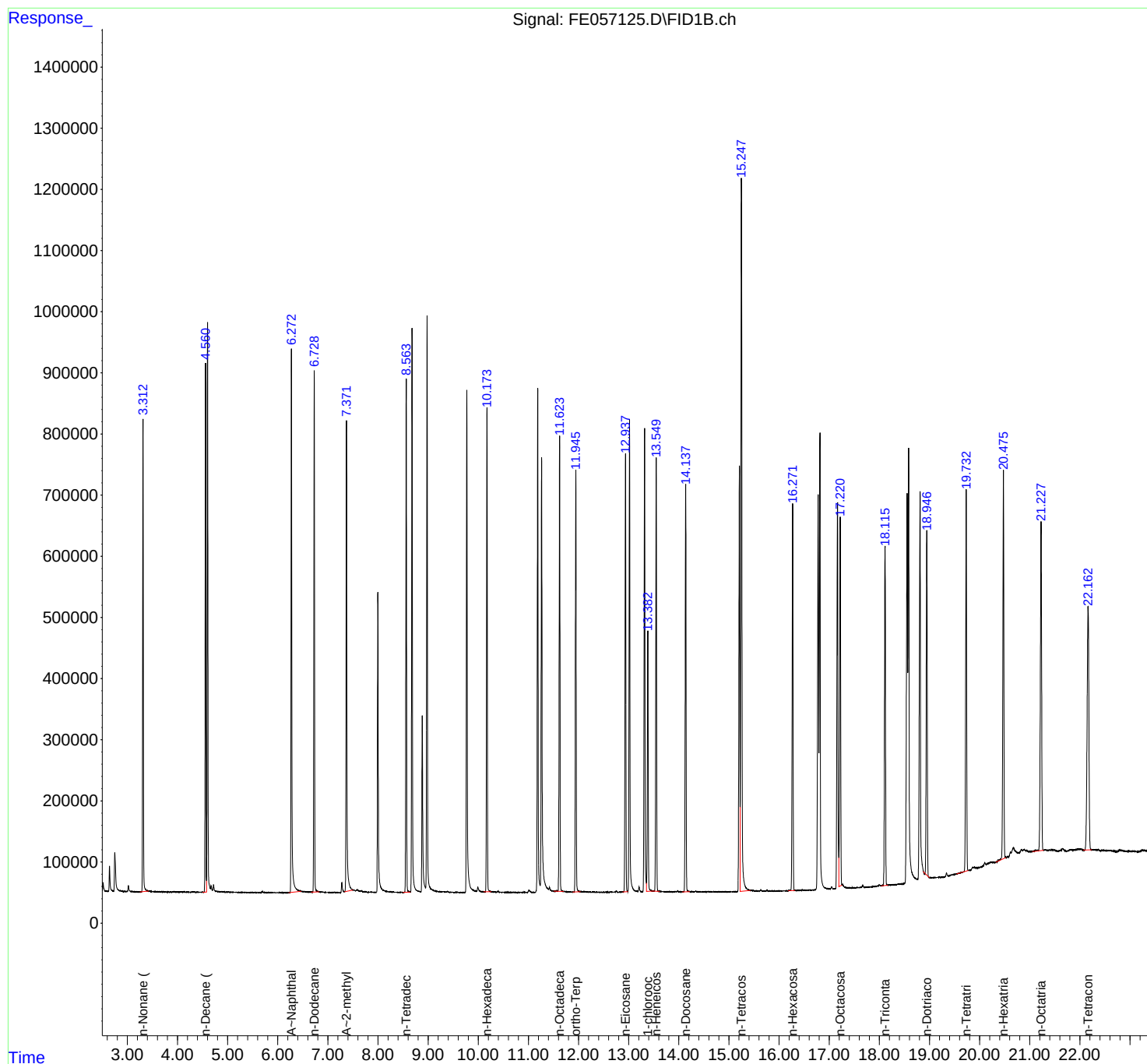
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057125.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 16:26
Operator : YP\AJ
Sample : PB170789BSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170789BSD

Integration File: autoint1.e
Quant Time: Dec 03 00:49:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057125.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 16:26
 Sample : PB170789BSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	3.313	3.250	3.427	BB	775540	7598010	42.94%	2.284%
2	4.560	4.507	4.579	BV	863613	8074529	45.63%	2.427%
3	4.600	4.579	4.658	VV	931099	9643241	54.50%	2.899%
4	6.272	6.217	6.468	BB	890289	9797502	55.37%	2.945%
5	6.728	6.668	6.828	BB	852250	8578881	48.48%	2.579%
6	7.371	7.332	7.498	PV	769215	8680023	49.06%	2.609%
7	8.563	8.497	8.648	BV	841866	8660223	48.94%	2.603%
8	8.678	8.648	8.817	PB	922514	9886406	55.87%	2.972%
9	8.978	8.947	9.142	VB	939571	10011162	56.58%	3.009%
10	9.771	9.707	9.952	BB	821129	9644094	54.51%	2.899%
11	10.174	10.112	10.262	BB	793662	8535493	48.24%	2.566%
12	11.186	11.110	11.235	BV	826618	9040054	51.09%	2.718%
13	11.263	11.235	11.400	VV	709698	9226926	52.15%	2.774%
14	11.622	11.508	11.700	BB	740472	8475154	47.90%	2.548%
15	11.945	11.882	12.042	BB	690323	7657872	43.28%	2.302%
16	12.936	12.877	12.981	BV	716555	8405295	47.50%	2.527%
17	13.017	12.981	13.167	VB	764059	9153573	51.73%	2.752%
18	13.317	13.255	13.355	BV	754688	9006066	50.90%	2.707%
19	13.382	13.355	13.477	VB	424135	5212688	29.46%	1.567%
20	13.549	13.478	13.617	BB	708179	8248469	46.62%	2.480%
21	14.137	14.067	14.220	BB	667907	8156064	46.10%	2.452%
22	15.209	15.138	15.224	BV	693343	8580460	48.49%	2.579%
23	15.248	15.224	15.430	VB	1159563	17693902	100.00%	5.319%
24	16.271	16.175	16.323	BB	631085	7932116	44.83%	2.384%
25	16.780	16.703	16.795	BV	643956	9066764	51.24%	2.726%
26	16.815	16.795	16.945	VB	741890	9846963	55.65%	2.960%
27	17.166	17.100	17.192	BV	628073	8890049	50.24%	2.672%
28	17.220	17.192	17.257	VV	603995	8168554	46.17%	2.456%
29	18.114	18.032	18.173	BB	554158	7679394	43.40%	2.308%
30	18.554	18.473	18.567	BV	637384	9584072	54.17%	2.881%
31	18.584	18.574	18.753	M	709867	8901122	50.31%	2.676%
32	18.812	18.768	18.906	M	634456	10181369	57.54%	3.061%
33	18.946	18.907	19.005	M	569309	7949264	44.93%	2.390%
34	19.732	19.537	19.775	BB	623597	8391301	47.42%	2.522%
35	20.475	20.320	20.525	BV	633722	8977328	50.74%	2.699%
36	21.226	21.053	21.277	BV	539096	9424088	53.26%	2.833%

37 22.163 22.063 22.238 BB 394606 9700501 54.82% 2.916%
Sum of corrected areas: 332658973

Aliphatic EPH 112725.M Wed Dec 03 03:10:26 2025

Report of Analysis

Client:	Remington & Vernick	Date Collected:	
Project:	Saddler Property	Date Received:	
Client Sample ID:	SB-1125-24MS	SDG No.:	Q3742
Lab Sample ID:	Q3742-18MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	62.8
Sample Wt/Vol:	30.07 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/02/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	48.1		1	1.87	3.18	mg/kg	FE057138.D	12/02/25 22:58	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	118		1	1.45	6.36	mg/kg	FE057138.D	12/02/25 22:58	PB170789
Total AliphaticEPH	Total AliphaticEPH	166			3.32	9.54	mg/kg			
Total EPH	Total EPH	166			3.32	9.54	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick	Date Collected:	
Project:	Saddler Property	Date Received:	
Client Sample ID:	SB-1125-24MS	SDG No.:	Q3742
Lab Sample ID:	Q3742-18MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	62.8
Sample Wt/Vol:	30.07 g	Final Vol:	2000 uL
Prep Method :		Prep Date	12/02/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	118	1		1.45	6.36	mg/kg	12/02/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	48.1	1		1.87	3.18	mg/kg	12/02/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.9			40 - 140	54%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.9			40 - 140	58%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3742-18MS	Acq On:	02 Dec 2025 22:58
Client Sample ID:	SB-1125-24MS	Operator:	YP\AJ
Data file:	FE057138.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.199	6.825	28740227	143.232	300	ug/ml
Aliphatic C12-C16	6.826	10.272	49822612	245.217	200	ug/ml
Aliphatic C16-C21	10.273	13.646	62833897	316.838	300	ug/ml
Aliphatic C21-C28	13.647	17.317	81566062	410.401	400	ug/ml
Aliphatic C28-C40	17.318	22.251	90708254	453.768	600	ug/ml
Aliphatic EPH	3.199	22.251	313671052	1570		ug/ml
ortho-Terphenyl (SURR)	11.941	11.941	6350963	28.94		ug/ml
1-chlorooctadecane (SURR)	13.378	13.378	4484501	26.95		ug/ml
Aliphatic C9-C28	3.199	17.317	222962798	1120	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057138.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 22:58
 Operator : YP\AJ
 Sample : Q3742-18MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 SB-1125-24MS

Integration File: autoint1.e
 Quant Time: Dec 03 00:53:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.941	6350963	28.941 ug/ml
Spiked Amount 50.000		Recovery =	57.88%
12) S 1-chlorooctadecane (S...	13.378	4484501	26.946 ug/ml
Spiked Amount 50.000		Recovery =	53.89%
Target Compounds			
1) T n-Nonane (C9)	3.294	4226743	21.608 ug/ml
2) T n-Decane (C10)	4.550	4869954	24.078 ug/ml
3) T A~Naphthalene (C11.7)	6.266	6485585	32.214 ug/ml
4) T n-Dodecane (C12)	6.723	6058795	29.686 ug/ml
5) T A~2-methylnaphthalene...	7.366	6531942	33.994 ug/ml
6) T n-Tetradecane (C14)	8.559	7221993	35.880 ug/ml
7) T n-Hexadecane (C16)	10.171	7835243	38.207 ug/ml
8) T n-Octadecane (C18)	11.619	7951060	38.576 ug/ml
10) T n-Eicosane (C20)	12.933	8055729	40.952 ug/ml
11) T n-Heneicosane (C21)	13.546	7836546	40.789 ug/ml
13) T n-Docosane (C22)	14.134	7732232	40.055 ug/ml
14) T n-Tetracosane (C24)	15.244	16742703	84.535 ug/ml
15) T n-Hexacosane (C26)	16.267	7552051	38.067 ug/ml
16) T n-Octacosane (C28)	17.216	7556540	36.771 ug/ml
17) T n-Tricontane (C30)	18.110	7435710	33.132 ug/ml
18) T n-Dotriacontane (C32)	18.942	7045456	30.182 ug/ml
19) T n-Tetratriacontane (C34)	19.726	6813100	31.899 ug/ml
20) T n-Hexatriacontane (C36)	20.468	6674154	35.857 ug/ml
21) T n-Octatriacontane (C38)	21.217	6614084	38.164 ug/ml
22) T n-Tetracontane (C40)	22.152	6879692	40.825 ug/ml

(f)=RT Delta > 1/2 Window

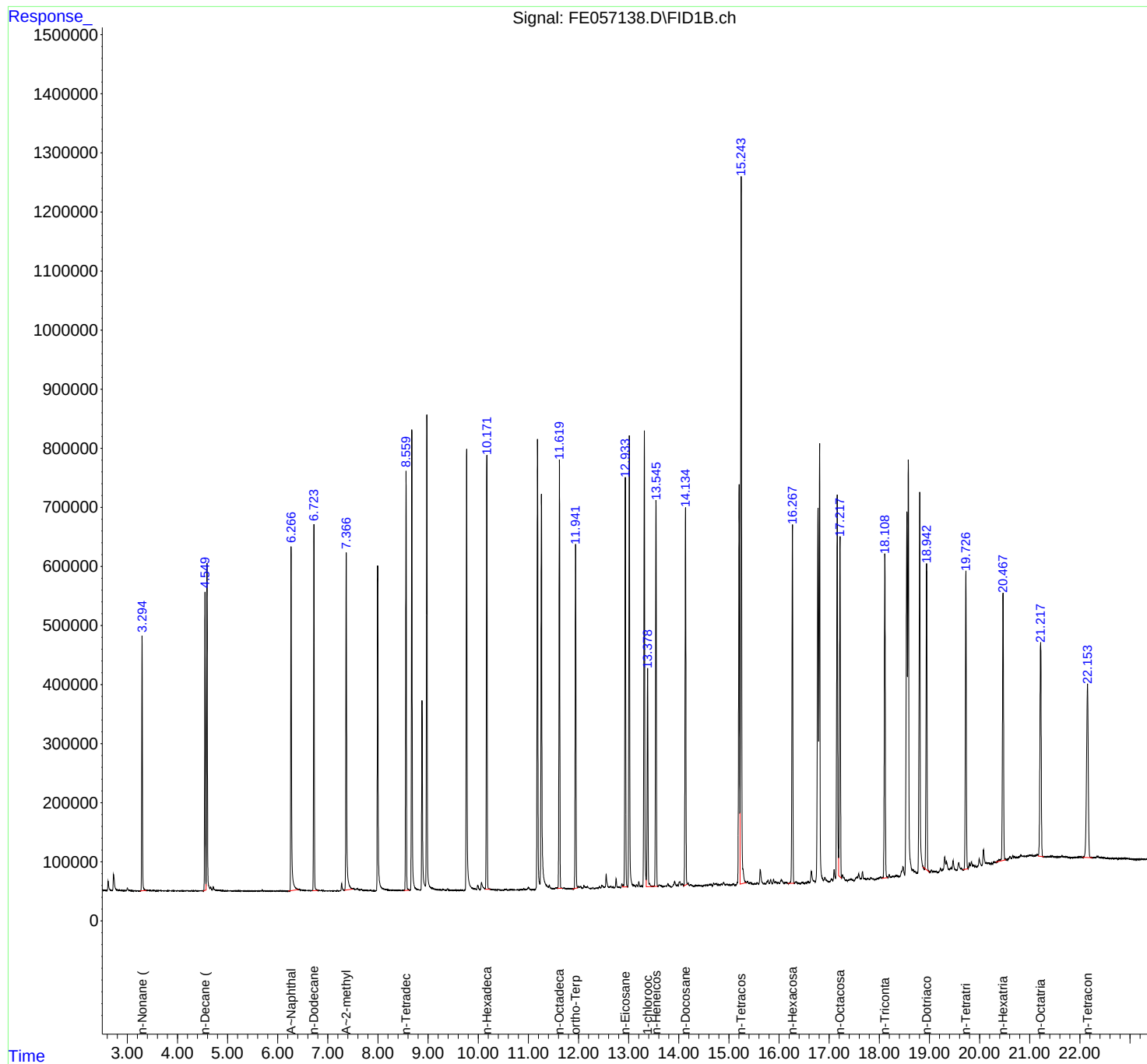
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057138.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 22:58
Operator : YP\AJ
Sample : Q3742-18MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
SB-1125-24MS

Integration File: autoint1.e
Quant Time: Dec 03 00:53:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 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\FE120225AL\
 Data File : FE057138.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 22:58
 Sample : Q3742-18MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	2.618	2.558	2.701	BV	15674	218141	1.09%	0.067%
2	2.726	2.701	2.828	VV	27270	520336	2.60%	0.160%
3	2.840	2.828	2.915	VV	752	20671	0.10%	0.006%
4	2.934	2.915	2.955	VV	287	4272	0.02%	0.001%
5	2.965	2.955	2.977	VV	227	2195	0.01%	0.001%
6	3.001	2.977	3.065	VV	4818	70933	0.35%	0.022%
7	3.077	3.065	3.129	VV	412	7796	0.04%	0.002%
8	3.164	3.129	3.225	PV	269	4154	0.02%	0.001%
9	3.247	3.225	3.257	VV	131	1273	0.01%	0.000%
10	3.294	3.257	3.424	PV	430566	4289993	21.43%	1.318%
11	3.436	3.424	3.487	VV	875	25490	0.13%	0.008%
12	3.504	3.487	3.529	VV	677	14399	0.07%	0.004%
13	3.537	3.529	3.564	VV	570	9852	0.05%	0.003%
14	3.577	3.564	3.595	VV	467	7059	0.04%	0.002%
15	3.610	3.595	3.621	VV	520	7131	0.04%	0.002%
16	3.628	3.621	3.637	VV	492	4312	0.02%	0.001%
17	3.650	3.637	3.720	VV	612	18656	0.09%	0.006%
18	3.731	3.720	3.779	VV	289	7968	0.04%	0.002%
19	3.801	3.779	3.849	VV	416	12621	0.06%	0.004%
20	3.859	3.849	3.865	VV	277	2299	0.01%	0.001%
21	3.877	3.865	3.904	VV	262	6467	0.03%	0.002%
22	3.930	3.904	3.965	VV	379	11175	0.06%	0.003%
23	3.987	3.965	4.042	VV	390	13406	0.07%	0.004%
24	4.091	4.042	4.111	VV	536	12507	0.06%	0.004%
25	4.124	4.111	4.151	VV	441	8448	0.04%	0.003%
26	4.195	4.151	4.219	VV	591	12994	0.06%	0.004%
27	4.234	4.219	4.260	VV	318	5456	0.03%	0.002%
28	4.289	4.260	4.308	VV	568	11116	0.06%	0.003%
29	4.322	4.308	4.421	VV	441	20324	0.10%	0.006%
30	4.441	4.421	4.472	VV	418	9255	0.05%	0.003%
31	4.490	4.472	4.514	VV	338	7212	0.04%	0.002%
32	4.550	4.514	4.570	VV	506562	4902839	24.49%	1.506%
33	4.590	4.570	4.649	VV	553556	5752955	28.74%	1.767%
34	4.664	4.649	4.695	VV	6820	119665	0.60%	0.037%
35	4.713	4.695	4.819	VV	7291	185376	0.93%	0.057%
36	4.828	4.819	4.974	VV	1125	65735	0.33%	0.020%

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37	4.987	4.974	5.045	VV	585	19234	0.10%	0.006%
38	5.061	5.045	5.126	VV	417	16815	0.08%	0.005%
39	5.136	5.126	5.205	VV	357	12603	0.06%	0.004%
40	5.224	5.205	5.278	VV	286	10050	0.05%	0.003%
41	5.304	5.278	5.323	VV	250	5342	0.03%	0.002%
42	5.334	5.323	5.408	VV	347	8752	0.04%	0.003%
43	5.413	5.408	5.431	VV	138	1542	0.01%	0.000%
44	5.461	5.431	5.502	VV	239	6236	0.03%	0.002%
45	5.559	5.502	5.606	VV	299	12453	0.06%	0.004%
46	5.615	5.606	5.626	VV	175	1768	0.01%	0.001%
47	5.634	5.626	5.661	VV	201	2588	0.01%	0.001%
48	5.690	5.661	5.726	VV	1731	24888	0.12%	0.008%
49	5.735	5.726	5.779	VV	342	5118	0.03%	0.002%
50	5.818	5.779	5.833	VV	259	4947	0.02%	0.002%
51	5.880	5.833	5.916	VV	238	8151	0.04%	0.003%
52	5.928	5.916	5.942	VV	196	1780	0.01%	0.001%
53	6.031	5.942	6.040	VV	369	13130	0.07%	0.004%
54	6.051	6.040	6.094	VV	425	8932	0.04%	0.003%
55	6.101	6.094	6.145	VV	202	4275	0.02%	0.001%
56	6.167	6.145	6.207	PV	166	3552	0.02%	0.001%
57	6.219	6.207	6.241	VV	110	1172	0.01%	0.000%
58	6.266	6.241	6.418	VV	581643	6659239	33.26%	2.046%
59	6.428	6.418	6.580	VV	2917	159809	0.80%	0.049%
60	6.593	6.580	6.690	VV	1064	53349	0.27%	0.016%
61	6.723	6.690	6.858	VV	621164	6148519	30.71%	1.889%
62	6.875	6.858	6.996	VV	1061	38719	0.19%	0.012%
63	7.022	6.996	7.038	VV	265	5342	0.03%	0.002%
64	7.053	7.038	7.073	VV	299	5002	0.02%	0.002%
65	7.084	7.073	7.103	VV	283	3162	0.02%	0.001%
66	7.134	7.103	7.165	VV	285	6867	0.03%	0.002%
67	7.188	7.165	7.248	VV	359	8073	0.04%	0.002%
68	7.275	7.248	7.329	VV	12567	186165	0.93%	0.057%
69	7.366	7.329	7.494	VV	569850	6746731	33.70%	2.073%
70	7.513	7.494	7.551	VV	4107	106868	0.53%	0.033%
71	7.576	7.551	7.631	VV	3604	127202	0.64%	0.039%
72	7.648	7.631	7.657	VV	2153	30629	0.15%	0.009%
73	7.671	7.657	7.712	VV	2933	52558	0.26%	0.016%
74	7.733	7.712	7.748	VV	1055	19900	0.10%	0.006%
75	7.757	7.748	7.826	VV	1069	28076	0.14%	0.009%
76	7.852	7.826	7.878	VV	1117	17857	0.09%	0.005%
77	7.887	7.878	7.926	VV	342	6824	0.03%	0.002%
78	8.247	8.227	8.268	VV	1502	26018	0.13%	0.008%
79	8.307	8.268	8.338	VV	1363	40525	0.20%	0.012%
80	8.376	8.338	8.394	VV	856	21366	0.11%	0.007%
81	8.409	8.394	8.448	VV	723	18109	0.09%	0.006%
82	8.464	8.448	8.481	VV	604	9671	0.05%	0.003%
83	8.498	8.481	8.516	VV	721	12145	0.06%	0.004%
84	8.559	8.516	8.629	VV	702220	7262232	36.27%	2.231%
85	8.674	8.629	8.850	VV	784387	8489033	42.40%	2.608%
86	8.974	8.944	9.190	VV	806092	8905451	44.48%	2.736%
87	9.200	9.190	9.267	VV	1567	58432	0.29%	0.018%
88	9.300	9.267	9.348	VV	1814	64309	0.32%	0.020%
89	9.386	9.348	9.426	VV	2962	61463	0.31%	0.019%

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90	9.438	9.426	9.498	VV	767	21477	0.11%	0.007%
91	9.548	9.498	9.570	VV	627	15856	0.08%	0.005%
92	9.590	9.570	9.615	VV	525	9637	0.05%	0.003%
93	9.648	9.615	9.665	VV	606	11325	0.06%	0.003%
94	9.681	9.665	9.713	VV	570	9556	0.05%	0.003%
95	9.768	9.713	9.964	PV	745270	8894127	44.43%	2.732%
96	9.989	9.964	10.038	VV	8761	180225	0.90%	0.055%
97	10.065	10.038	10.136	VV	13295	346032	1.73%	0.106%
98	10.171	10.136	10.283	VV	731895	7975648	39.84%	2.450%
99	10.290	10.283	10.369	VV	1172	38956	0.19%	0.012%
100	10.395	10.369	10.427	VV	1846	27699	0.14%	0.009%
101	10.444	10.427	10.461	VV	149	2118	0.01%	0.001%
102	10.479	10.461	10.498	VV	268	4253	0.02%	0.001%
103	10.532	10.498	10.543	VV	1034	16537	0.08%	0.005%
104	10.555	10.543	10.582	VV	1059	14506	0.07%	0.004%
105	10.652	10.582	10.665	VV	558	15004	0.07%	0.005%
106	10.667	10.665	10.687	VV	523	4922	0.02%	0.002%
107	10.708	10.687	10.748	VV	649	11603	0.06%	0.004%
108	10.782	10.748	10.819	PV	623	11319	0.06%	0.003%
109	10.839	10.819	10.857	VV	717	9269	0.05%	0.003%
110	10.875	10.857	10.891	VV	621	10114	0.05%	0.003%
111	10.910	10.891	10.931	VV	2222	29142	0.15%	0.009%
112	10.946	10.931	10.962	VV	895	12505	0.06%	0.004%
113	11.001	10.962	11.068	VV	4333	106653	0.53%	0.033%
114	11.082	11.068	11.104	VV	378	4075	0.02%	0.001%
115	11.182	11.104	11.231	PV	757926	8706160	43.49%	2.675%
116	11.260	11.231	11.399	VV	666642	8998241	44.95%	2.764%
117	11.417	11.399	11.481	VV	7480	165872	0.83%	0.051%
118	11.487	11.481	11.520	VV	1574	31971	0.16%	0.010%
119	11.548	11.520	11.576	VV	2909	71836	0.36%	0.022%
120	11.619	11.576	11.685	VV	719620	8066202	40.29%	2.478%
121	11.704	11.685	11.762	VV	2011	59055	0.29%	0.018%
122	11.786	11.762	11.803	VV	1266	19614	0.10%	0.006%
123	11.815	11.803	11.843	VV	803	15184	0.08%	0.005%
124	11.861	11.843	11.888	VV	903	12988	0.06%	0.004%
125	11.941	11.888	11.985	PV	582805	6422273	32.08%	1.973%
126	12.002	11.985	12.019	VV	3826	62734	0.31%	0.019%
127	12.037	12.019	12.086	VV	3828	98130	0.49%	0.030%
128	12.110	12.086	12.132	VV	5432	88811	0.44%	0.027%
129	12.147	12.132	12.165	VV	3300	52828	0.26%	0.016%
130	12.179	12.165	12.255	VV	3422	73998	0.37%	0.023%
131	12.286	12.255	12.315	VV	2065	28974	0.14%	0.009%
132	12.376	12.315	12.388	PV	815	20640	0.10%	0.006%
133	12.419	12.388	12.443	VV	3485	56765	0.28%	0.017%
134	12.468	12.443	12.515	VV	4907	129084	0.64%	0.040%
135	12.551	12.515	12.602	VV	23347	400100	2.00%	0.123%
136	12.614	12.602	12.627	VV	2487	33643	0.17%	0.010%
137	12.645	12.627	12.666	VV	3588	59226	0.30%	0.018%
138	12.687	12.666	12.708	VV	2483	43207	0.22%	0.013%
139	12.750	12.708	12.775	VV	15945	209602	1.05%	0.064%
140	12.787	12.775	12.801	VV	1935	27376	0.14%	0.008%
141	12.812	12.801	12.838	VV	2008	29990	0.15%	0.009%

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142	12.865	12.838	12.881	VV	6879	98734	0.49%	0.030%
143	12.892	12.881	12.900	VV	5390	53748	0.27%	0.017%
144	12.933	12.900	12.977	VV	703837	8099993	40.46%	2.488%
145	13.013	12.977	13.107	VV	775916	9199976	45.95%	2.826%
146	13.160	13.141	13.180	VV	5147	83780	0.42%	0.026%
147	13.203	13.180	13.278	VV	10249	208733	1.04%	0.064%
148	13.312	13.278	13.351	VV	749053	9118492	45.55%	2.801%
149	13.378	13.351	13.470	VV	369880	4570837	22.83%	1.404%
150	13.545	13.470	13.583	VV	656415	7946222	39.69%	2.441%
151	13.611	13.583	13.688	VV	4137	143313	0.72%	0.044%
152	13.735	13.688	13.755	VV	1991	57446	0.29%	0.018%
153	13.784	13.755	13.855	VV	4878	120352	0.60%	0.037%
154	13.918	13.855	13.952	VV	9359	216441	1.08%	0.066%
155	14.014	13.952	14.047	VV	8093	241750	1.21%	0.074%
156	14.066	14.047	14.098	VV	4871	106347	0.53%	0.033%
157	14.134	14.098	14.172	VV	644564	7853496	39.23%	2.413%
158	14.186	14.172	14.214	VV	6166	100868	0.50%	0.031%
159	14.236	14.214	14.308	VV	3381	94121	0.47%	0.029%
160	14.335	14.308	14.368	VV	1808	43313	0.22%	0.013%
161	14.390	14.368	14.471	VV	1726	54163	0.27%	0.017%
162	14.502	14.471	14.520	PV	1901	29977	0.15%	0.009%
163	14.543	14.520	14.581	VV	2069	53427	0.27%	0.016%
164	14.644	14.581	14.671	VV	3099	115041	0.57%	0.035%
165	14.696	14.671	14.715	PV	5041	70255	0.35%	0.022%
166	14.739	14.715	14.778	VV	3818	110014	0.55%	0.034%
167	14.796	14.778	14.821	VV	1942	40295	0.20%	0.012%
168	14.847	14.821	14.868	VV	2901	60984	0.30%	0.019%
169	14.893	14.868	14.936	VV	5505	128838	0.64%	0.040%
170	14.959	14.936	14.988	VV	2978	55534	0.28%	0.017%
171	15.007	14.988	15.034	VV	1233	25087	0.13%	0.008%
172	15.088	15.034	15.125	VV	2903	67156	0.34%	0.021%
173	15.203	15.125	15.220	VV	668143	8526615	42.59%	2.619%
174	15.243	15.220	15.348	VV	1208955	16974795	84.79%	5.215%
175	15.368	15.348	15.398	VV	6759	145231	0.73%	0.045%
176	15.423	15.398	15.488	VV	3882	148853	0.74%	0.046%
177	15.515	15.488	15.540	VV	2174	55474	0.28%	0.017%
178	15.565	15.540	15.591	VV	3363	71814	0.36%	0.022%
179	15.626	15.591	15.695	VV	25124	532574	2.66%	0.164%
180	15.713	15.695	15.738	VV	2232	40801	0.20%	0.013%
181	15.778	15.738	15.804	VV	7822	168431	0.84%	0.052%
182	15.832	15.804	15.868	VV	8474	154306	0.77%	0.047%
183	15.890	15.868	15.913	VV	8722	131077	0.65%	0.040%
184	15.931	15.913	15.964	VV	5009	99817	0.50%	0.031%
185	15.983	15.964	16.008	VV	2951	57806	0.29%	0.018%
186	16.047	16.008	16.100	VV	6732	231669	1.16%	0.071%
187	16.147	16.100	16.195	VV	2462	98053	0.49%	0.030%
188	16.266	16.195	16.305	VV	596442	7617166	38.05%	2.340%
189	16.334	16.305	16.418	VV	3206	94482	0.47%	0.029%
190	16.460	16.418	16.515	PV	1912	53981	0.27%	0.017%
191	16.580	16.515	16.603	VV	2497	71169	0.36%	0.022%
192	16.645	16.603	16.718	VV	19616	472606	2.36%	0.145%
193	16.775	16.718	16.791	VV	631715	9154129	45.72%	2.812%
194	16.808	16.791	16.884	VV	730802	9221217	46.06%	2.833%

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195	16.914	16.884	17.005	VV	8658	249431	1.25%	0.077%
196	17.044	17.005	17.075	VV	5220	116135	0.58%	0.036%
197	17.099	17.075	17.128	VV	21079	332419	1.66%	0.102%
198	17.159	17.128	17.187	VV	648956	8892049	44.42%	2.732%
199	17.216	17.187	17.361	VV	581187	8209057	41.00%	2.522%
200	17.430	17.361	17.493	VV	2951	150337	0.75%	0.046%
201	17.589	17.493	17.638	VV	11934	432416	2.16%	0.133%
202	17.664	17.638	17.738	VV	14794	311369	1.56%	0.096%
203	17.770	17.738	17.808	VV	2825	84113	0.42%	0.026%
204	17.833	17.808	17.918	VV	3850	118850	0.59%	0.037%
205	18.022	17.918	18.051	PV	3413	147747	0.74%	0.045%
206	18.109	18.051	18.168	VV	549631	7540881	37.67%	2.317%
207	18.198	18.168	18.221	VV	6440	112453	0.56%	0.035%
208	18.271	18.221	18.298	VV	3150	107662	0.54%	0.033%
209	18.347	18.298	18.408	VV	3351	157884	0.79%	0.049%
210	18.473	18.408	18.505	VV	17036	505045	2.52%	0.155%
211	18.577	18.505	18.765	VV	714341	20020215	100.00%	6.150%
212	18.804	18.765	18.901	VV	641078	9969104	49.80%	3.063%
213	18.942	18.901	19.005	VV	526149	7527217	37.60%	2.312%
214	19.040	19.005	19.168	VV	7207	388070	1.94%	0.119%
215	19.219	19.168	19.241	VV	7890	178612	0.89%	0.055%
216	19.304	19.241	19.393	VV	26795	1067904	5.33%	0.328%
217	19.428	19.393	19.448	VV	6567	193719	0.97%	0.060%
218	19.471	19.448	19.541	VV	18930	439306	2.19%	0.135%
219	19.583	19.541	19.678	VV	14732	465888	2.33%	0.143%
220	19.726	19.678	19.771	VV	503679	6952747	34.73%	2.136%
221	19.838	19.771	19.935	VV	13603	780428	3.90%	0.240%
222	19.993	19.935	20.044	VV	16782	568146	2.84%	0.175%
223	20.079	20.044	20.158	VV	32087	958924	4.79%	0.295%
224	20.175	20.158	20.223	VV	8773	322812	1.61%	0.099%
225	20.289	20.223	20.335	VV	9995	566948	2.83%	0.174%
226	20.468	20.335	20.527	VV	462602	7882508	39.37%	2.422%
227	20.606	20.527	20.631	VV	16644	826650	4.13%	0.254%
228	20.661	20.631	20.751	VV	16484	1032835	5.16%	0.317%
229	20.824	20.751	20.908	VV	17582	1370051	6.84%	0.421%
230	21.003	20.908	21.093	VV	15287	1579375	7.89%	0.485%
231	21.217	21.093	21.286	VV	373987	8011833	40.02%	2.461%
232	21.449	21.286	21.575	VV	9295	1538895	7.69%	0.473%
233	21.643	21.575	21.688	VV	8020	478973	2.39%	0.147%
234	21.736	21.688	21.861	VV	5941	499440	2.49%	0.153%
235	22.003	21.861	22.065	VV	3495	403786	2.02%	0.124%
236	22.151	22.065	22.271	VV	292783	7015111	35.04%	2.155%
Sum of corrected areas:							325512670	

Aliphatic EPH 112725.M Wed Dec 03 03:38:41 2025

Report of Analysis

Client:	Remington & Vernick	Date Collected:	
Project:	Saddler Property	Date Received:	
Client Sample ID:	SB-1125-24MSD	SDG No.:	Q3742
Lab Sample ID:	Q3742-18MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	62.8
Sample Wt/Vol:	30.09 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/02/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	48.2		1	1.87	3.18	mg/kg	FE057139.D	12/02/25 23:29	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	119		1	1.44	6.36	mg/kg	FE057139.D	12/02/25 23:29	PB170789
Total AliphaticEPH	Total AliphaticEPH	167			3.31	9.54	mg/kg			
Total EPH	Total EPH	167			3.31	9.54	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Remington & Vernick	Date Collected:	
Project:	Saddler Property	Date Received:	
Client Sample ID:	SB-1125-24MSD	SDG No.:	Q3742
Lab Sample ID:	Q3742-18MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	62.8
Sample Wt/Vol:	30.09 g	Final Vol:	2000 uL
Prep Method :		Prep Date	12/02/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	119	1		1.44	6.36	mg/kg	12/02/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	48.2	1		1.87	3.18	mg/kg	12/02/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	27.1			40 - 140	54%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	29.2			40 - 140	58%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3742-18MSD	Acq On:	02 Dec 2025 23:29
Client Sample ID:	SB-1125-24MSD	Operator:	YP\AJ
Data file:	FE057139.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.199	6.825	29005880	144.555	300	ug/ml
Aliphatic C12-C16	6.826	10.272	50256429	247.353	200	ug/ml
Aliphatic C16-C21	10.273	13.646	63525023	320.323	300	ug/ml
Aliphatic C21-C28	13.647	17.317	82220261	413.693	400	ug/ml
Aliphatic C28-C40	17.318	22.251	91050016	455.478	600	ug/ml
Aliphatic EPH	3.199	22.251	316057609	1580		ug/ml
ortho-Terphenyl (SURR)	11.941	11.941	6403409	29.18		ug/ml
1-chlorooctadecane (SURR)	13.378	13.378	4516513	27.14		ug/ml
Aliphatic C9-C28	3.199	17.317	225007593	1130	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
 Data File : FE057139.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 23:29
 Operator : YP\AJ
 Sample : Q3742-18MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 SB-1125-24MSD

Integration File: autoint1.e
 Quant Time: Dec 03 00:54:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:04:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.941	6403409	29.180 ug/ml
Spiked Amount 50.000		Recovery =	58.36%
12) S 1-chlorooctadecane (S...	13.378	4516513	27.138 ug/ml
Spiked Amount 50.000		Recovery =	54.28%
Target Compounds			
1) T n-Nonane (C9)	3.295	4275690	21.858 ug/ml
2) T n-Decane (C10)	4.550	4917811	24.314 ug/ml
3) T A~Naphthalene (C11.7)	6.266	6616687	32.865 ug/ml
4) T n-Dodecane (C12)	6.723	6084582	29.812 ug/ml
5) T A~2-methylnaphthalene...	7.366	6585139	34.271 ug/ml
6) T n-Tetradecane (C14)	8.559	7260529	36.072 ug/ml
7) T n-Hexadecane (C16)	10.170	7897609	38.511 ug/ml
8) T n-Octadecane (C18)	11.618	8048230	39.048 ug/ml
10) T n-Eicosane (C20)	12.932	8132801	41.344 ug/ml
11) T n-Heneicosane (C21)	13.546	7904066	41.140 ug/ml
13) T n-Docosane (C22)	14.133	7809272	40.454 ug/ml
14) T n-Tetracosane (C24)	15.243	16865465	85.155 ug/ml
15) T n-Hexacosane (C26)	16.266	7613866	38.378 ug/ml
16) T n-Octacosane (C28)	17.216	7635676	37.157 ug/ml
17) T n-Tricontane (C30)	18.110	7479215	33.326 ug/ml
18) T n-Dotriacontane (C32)	18.941	7088222	30.365 ug/ml
19) T n-Tetratriacontane (C34)	19.727	6852055	32.081 ug/ml
20) T n-Hexatriacontane (C36)	20.468	6686238	35.922 ug/ml
21) T n-Octatriacontane (C38)	21.216	6637188	38.297 ug/ml
22) T n-Tetracontane (C40)	22.149	6874550	40.795 ug/ml

(f)=RT Delta > 1/2 Window

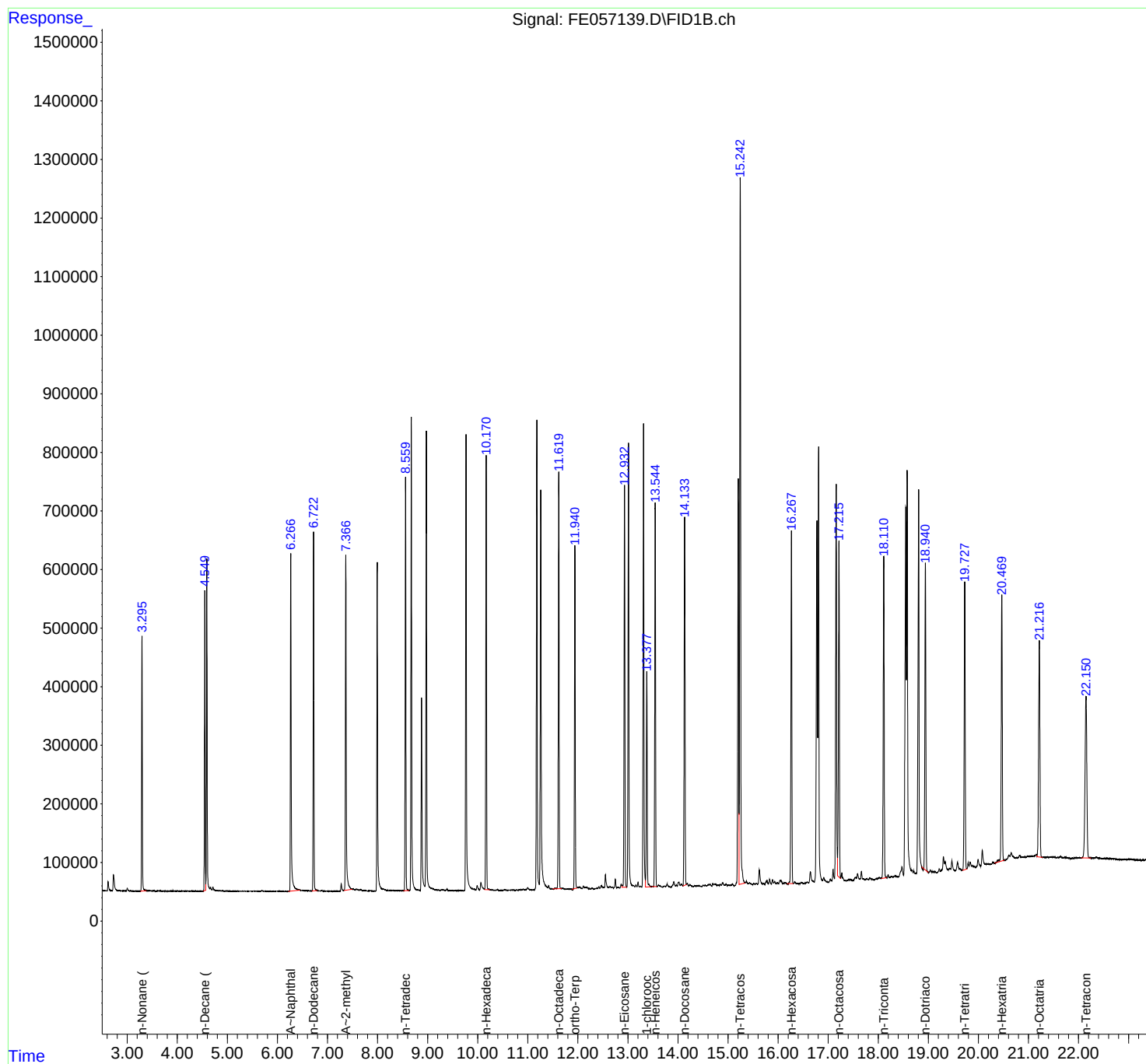
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120225AL\
Data File : FE057139.D
Signal(s) : FID1B.ch
Acq On : 02 Dec 2025 23:29
Operator : YP\AJ
Sample : Q3742-18MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
SB-1125-24MSD

Integration File: autoint1.e
Quant Time: Dec 03 00:54:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:04:59 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\FE120225AL\
 Data File : FE057139.D
 Signal(s) : FID1B.ch
 Acq On : 02 Dec 2025 23:29
 Sample : Q3742-18MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 112725.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	2.618	2.558	2.699	BV	15883	220348	1.29%	0.067%
2	2.726	2.699	2.902	VV	26962	544204	3.18%	0.166%
3	2.912	2.902	2.923	VV	207	2427	0.01%	0.001%
4	2.934	2.923	2.955	VV	326	4248	0.02%	0.001%
5	2.968	2.955	2.976	VV	155	2028	0.01%	0.001%
6	3.001	2.976	3.056	VV	4918	71312	0.42%	0.022%
7	3.075	3.056	3.148	VV	391	10321	0.06%	0.003%
8	3.170	3.148	3.217	VV	204	3644	0.02%	0.001%
9	3.295	3.217	3.422	PV	432875	4335268	25.37%	1.322%
10	3.439	3.422	3.490	VV	889	27371	0.16%	0.008%
11	3.504	3.490	3.525	VV	698	11496	0.07%	0.004%
12	3.538	3.525	3.564	VV	604	10622	0.06%	0.003%
13	3.578	3.564	3.591	VV	467	5980	0.03%	0.002%
14	3.608	3.591	3.618	VV	452	6535	0.04%	0.002%
15	3.631	3.618	3.640	VV	453	5975	0.03%	0.002%
16	3.649	3.640	3.731	VV	579	18922	0.11%	0.006%
17	3.742	3.731	3.761	VV	292	4317	0.03%	0.001%
18	3.799	3.761	3.834	VV	390	12140	0.07%	0.004%
19	3.848	3.834	3.878	VV	316	6849	0.04%	0.002%
20	3.885	3.878	3.961	VV	314	15648	0.09%	0.005%
21	3.993	3.961	4.037	VV	401	13351	0.08%	0.004%
22	4.089	4.037	4.107	VV	456	11969	0.07%	0.004%
23	4.123	4.107	4.174	VV	517	13728	0.08%	0.004%
24	4.197	4.174	4.238	VV	557	12320	0.07%	0.004%
25	4.289	4.238	4.311	VV	572	14727	0.09%	0.004%
26	4.323	4.311	4.338	VV	417	6145	0.04%	0.002%
27	4.342	4.338	4.417	VV	413	14115	0.08%	0.004%
28	4.445	4.417	4.473	VV	376	10447	0.06%	0.003%
29	4.486	4.473	4.516	VV	381	8127	0.05%	0.002%
30	4.550	4.516	4.570	VV	513781	4951576	28.97%	1.510%
31	4.590	4.570	4.649	VV	563757	5818235	34.04%	1.774%
32	4.664	4.649	4.692	VV	6903	115250	0.67%	0.035%
33	4.712	4.692	4.828	VV	7448	197280	1.15%	0.060%
34	4.833	4.828	4.960	VV	1114	56201	0.33%	0.017%
35	4.987	4.960	5.016	VV	616	17144	0.10%	0.005%
36	5.027	5.016	5.041	VV	480	6412	0.04%	0.002%

					rteres			
37	5.059	5.041	5.105	VV	482	14123	0.08%	0.004%
38	5.113	5.105	5.161	VV	369	10258	0.06%	0.003%
39	5.168	5.161	5.175	VV	298	2168	0.01%	0.001%
40	5.188	5.175	5.201	VV	307	3940	0.02%	0.001%
41	5.226	5.201	5.293	VV	366	13823	0.08%	0.004%
42	5.306	5.293	5.348	VV	302	8043	0.05%	0.002%
43	5.353	5.348	5.419	VV	285	7101	0.04%	0.002%
44	5.454	5.419	5.479	VV	272	6863	0.04%	0.002%
45	5.493	5.479	5.511	VV	226	3390	0.02%	0.001%
46	5.557	5.511	5.574	VV	401	10188	0.06%	0.003%
47	5.579	5.574	5.623	VV	295	5833	0.03%	0.002%
48	5.637	5.623	5.658	VV	174	3482	0.02%	0.001%
49	5.690	5.658	5.782	VV	1835	31743	0.19%	0.010%
50	5.808	5.782	5.818	VV	199	3349	0.02%	0.001%
51	5.830	5.818	5.863	VV	226	4636	0.03%	0.001%
52	5.876	5.863	5.948	VV	279	6840	0.04%	0.002%
53	5.961	5.948	5.973	VV	234	2604	0.02%	0.001%
54	5.988	5.973	6.008	VV	328	4975	0.03%	0.002%
55	6.048	6.008	6.153	VV	384	18686	0.11%	0.006%
56	6.168	6.153	6.204	VV	205	3524	0.02%	0.001%
57	6.222	6.204	6.234	PV	93	1198	0.01%	0.000%
58	6.266	6.234	6.414	VV	569646	6708075	39.25%	2.045%
59	6.428	6.414	6.581	VV	2856	168697	0.99%	0.051%
60	6.589	6.581	6.678	VV	1004	48766	0.29%	0.015%
61	6.686	6.678	6.694	VV	713	6592	0.04%	0.002%
62	6.723	6.694	6.852	VV	614443	6178833	36.15%	1.884%
63	6.874	6.852	6.941	VV	1096	32951	0.19%	0.010%
64	6.953	6.941	7.001	VV	366	10875	0.06%	0.003%
65	7.020	7.001	7.033	VV	299	5168	0.03%	0.002%
66	7.048	7.033	7.071	VV	327	5986	0.04%	0.002%
67	7.088	7.071	7.106	VV	289	4063	0.02%	0.001%
68	7.133	7.106	7.164	VV	354	7776	0.05%	0.002%
69	7.187	7.164	7.213	VV	401	6047	0.04%	0.002%
70	7.224	7.213	7.242	VV	186	2043	0.01%	0.001%
71	7.275	7.242	7.331	VV	12640	189637	1.11%	0.058%
72	7.366	7.331	7.494	VV	576410	6801177	39.79%	2.073%
73	7.513	7.494	7.549	VV	4070	103553	0.61%	0.032%
74	7.575	7.549	7.631	VV	3568	130441	0.76%	0.040%
75	7.648	7.631	7.657	VV	2146	29663	0.17%	0.009%
76	7.671	7.657	7.717	VV	2904	54533	0.32%	0.017%
77	7.735	7.717	7.747	VV	983	16222	0.09%	0.005%
78	7.759	7.747	7.827	VV	930	26962	0.16%	0.008%
79	7.851	7.827	7.875	VV	1081	16545	0.10%	0.005%
80	7.889	7.875	7.931	VV	412	7305	0.04%	0.002%
81	8.246	8.224	8.271	VV	1470	29400	0.17%	0.009%
82	8.306	8.271	8.352	VV	1408	45863	0.27%	0.014%
83	8.374	8.352	8.398	VV	986	19197	0.11%	0.006%
84	8.414	8.398	8.446	VV	688	17773	0.10%	0.005%
85	8.465	8.446	8.484	VV	645	11734	0.07%	0.004%
86	8.498	8.484	8.513	VV	788	10599	0.06%	0.003%
87	8.559	8.513	8.629	VV	696372	7306652	42.75%	2.228%
88	8.674	8.629	8.851	VV	805521	8566000	50.12%	2.611%
89	8.974	8.943	9.194	VV	787153	8982850	52.56%	2.739%

					rteres			
90	9.200	9.194	9.264	VV	1523	52443	0.31%	0.016%
91	9.300	9.264	9.362	VV	1794	72742	0.43%	0.022%
92	9.386	9.362	9.423	VV	2835	51717	0.30%	0.016%
93	9.437	9.423	9.498	VV	715	21491	0.13%	0.007%
94	9.517	9.498	9.529	VV	338	5370	0.03%	0.002%
95	9.548	9.529	9.571	VV	682	10860	0.06%	0.003%
96	9.590	9.571	9.621	VV	531	10178	0.06%	0.003%
97	9.648	9.621	9.665	VV	523	10135	0.06%	0.003%
98	9.683	9.665	9.709	VV	485	8482	0.05%	0.003%
99	9.767	9.709	9.912	PV	778497	8907745	52.12%	2.716%
100	9.920	9.912	9.964	VV	2727	68788	0.40%	0.021%
101	9.989	9.964	10.037	VV	8816	178592	1.04%	0.054%
102	10.065	10.037	10.138	VV	13787	352330	2.06%	0.107%
103	10.170	10.138	10.374	VV	740605	8064541	47.19%	2.459%
104	10.395	10.374	10.425	VV	1809	25291	0.15%	0.008%
105	10.435	10.425	10.457	VV	200	2373	0.01%	0.001%
106	10.479	10.457	10.501	PV	307	4724	0.03%	0.001%
107	10.532	10.501	10.544	VV	1013	17572	0.10%	0.005%
108	10.553	10.544	10.595	VV	1006	13896	0.08%	0.004%
109	10.649	10.595	10.689	VV	628	21122	0.12%	0.006%
110	10.708	10.689	10.748	VV	621	10371	0.06%	0.003%
111	10.780	10.748	10.816	VV	635	10956	0.06%	0.003%
112	10.838	10.816	10.858	VV	692	9732	0.06%	0.003%
113	10.873	10.858	10.891	VV	628	9569	0.06%	0.003%
114	10.910	10.891	10.931	VV	2195	29184	0.17%	0.009%
115	10.946	10.931	10.963	VV	984	13454	0.08%	0.004%
116	10.998	10.963	11.066	VV	4355	105921	0.62%	0.032%
117	11.081	11.066	11.114	VV	422	4938	0.03%	0.002%
118	11.181	11.114	11.231	PV	788238	8805455	51.52%	2.684%
119	11.259	11.231	11.396	VV	682555	9083756	53.15%	2.769%
120	11.417	11.396	11.464	VV	7253	153192	0.90%	0.047%
121	11.479	11.464	11.521	VV	1640	48664	0.28%	0.015%
122	11.548	11.521	11.574	VV	2916	70305	0.41%	0.021%
123	11.618	11.574	11.679	VV	713204	8129133	47.56%	2.478%
124	11.704	11.679	11.768	VV	2074	69573	0.41%	0.021%
125	11.785	11.768	11.803	VV	1276	19444	0.11%	0.006%
126	11.816	11.803	11.838	VV	866	14893	0.09%	0.005%
127	11.858	11.838	11.894	VV	1058	17141	0.10%	0.005%
128	11.941	11.894	11.984	PV	584793	6481620	37.92%	1.976%
129	12.002	11.984	12.019	VV	3859	64753	0.38%	0.020%
130	12.037	12.019	12.086	VV	4110	103330	0.60%	0.032%
131	12.110	12.086	12.131	VV	5603	90764	0.53%	0.028%
132	12.146	12.131	12.162	VV	3262	51576	0.30%	0.016%
133	12.178	12.162	12.261	VV	3410	82058	0.48%	0.025%
134	12.285	12.261	12.316	VV	2072	27988	0.16%	0.009%
135	12.380	12.316	12.391	VV	976	24668	0.14%	0.008%
136	12.418	12.391	12.444	VV	3663	58950	0.34%	0.018%
137	12.466	12.444	12.509	VV	5388	131686	0.77%	0.040%
138	12.518	12.509	12.524	VV	2172	19890	0.12%	0.006%
139	12.551	12.524	12.601	VV	23960	402141	2.35%	0.123%
140	12.614	12.601	12.627	VV	2551	35855	0.21%	0.011%
141	12.644	12.627	12.666	VV	3692	60625	0.35%	0.018%

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142	12.687	12.666	12.708	VV	2630	45363	0.27%	0.014%
143	12.749	12.708	12.774	VV	15736	214762	1.26%	0.065%
144	12.787	12.774	12.801	VV	2029	29245	0.17%	0.009%
145	12.811	12.801	12.838	VV	2081	31830	0.19%	0.010%
146	12.864	12.838	12.881	VV	7065	101934	0.60%	0.031%
147	12.932	12.881	12.977	VV	690738	8234234	48.18%	2.510%
148	13.012	12.977	13.104	VV	743492	9285035	54.33%	2.831%
149	13.115	13.104	13.138	VV	4342	68575	0.40%	0.021%
150	13.159	13.138	13.181	VV	5191	89036	0.52%	0.027%
151	13.202	13.181	13.245	VV	10302	172087	1.01%	0.052%
152	13.258	13.245	13.276	VV	2720	38250	0.22%	0.012%
153	13.313	13.276	13.350	VV	796512	9196339	53.81%	2.804%
154	13.378	13.350	13.466	VV	369637	4615362	27.00%	1.407%
155	13.545	13.466	13.581	VV	658932	8024908	46.95%	2.447%
156	13.611	13.581	13.684	VV	4351	148482	0.87%	0.045%
157	13.734	13.684	13.755	VV	2048	63594	0.37%	0.019%
158	13.784	13.755	13.850	VV	5033	123199	0.72%	0.038%
159	13.917	13.850	13.951	VV	9441	217809	1.27%	0.066%
160	13.969	13.951	13.986	VV	3427	52672	0.31%	0.016%
161	14.017	13.986	14.046	VV	8383	194709	1.14%	0.059%
162	14.064	14.046	14.097	VV	4675	107779	0.63%	0.033%
163	14.133	14.097	14.174	VV	628751	7937391	46.44%	2.420%
164	14.186	14.174	14.214	VV	6024	96800	0.57%	0.030%
165	14.235	14.214	14.308	VV	3383	97993	0.57%	0.030%
166	14.332	14.308	14.342	VV	2020	25954	0.15%	0.008%
167	14.349	14.342	14.370	VV	1571	21450	0.13%	0.007%
168	14.389	14.370	14.408	VV	1644	30332	0.18%	0.009%
169	14.424	14.408	14.444	VV	1343	20089	0.12%	0.006%
170	14.455	14.444	14.472	VV	547	6150	0.04%	0.002%
171	14.501	14.472	14.514	PV	2059	27792	0.16%	0.008%
172	14.540	14.514	14.559	VV	2121	42191	0.25%	0.013%
173	14.573	14.559	14.583	VV	1470	18669	0.11%	0.006%
174	14.606	14.583	14.619	VV	3002	48516	0.28%	0.015%
175	14.644	14.619	14.672	VV	3241	67274	0.39%	0.021%
176	14.694	14.672	14.711	VV	5130	65005	0.38%	0.020%
177	14.736	14.711	14.777	VV	4104	116028	0.68%	0.035%
178	14.798	14.777	14.818	VV	1968	36361	0.21%	0.011%
179	14.846	14.818	14.867	VV	2837	59638	0.35%	0.018%
180	14.893	14.867	14.935	VV	5515	126496	0.74%	0.039%
181	14.958	14.935	14.991	VV	2809	56310	0.33%	0.017%
182	15.006	14.991	15.041	VV	1241	24661	0.14%	0.008%
183	15.088	15.041	15.120	VV	2840	61936	0.36%	0.019%
184	15.204	15.120	15.219	VV	695885	8641033	50.56%	2.634%
185	15.243	15.219	15.344	VV	1207906	17091223	100.00%	5.211%
186	15.368	15.344	15.398	VV	6389	152205	0.89%	0.046%
187	15.430	15.398	15.494	VV	3863	148674	0.87%	0.045%
188	15.516	15.494	15.542	VV	2328	52835	0.31%	0.016%
189	15.564	15.542	15.591	VV	3279	69401	0.41%	0.021%
190	15.625	15.591	15.694	VV	25497	532511	3.12%	0.162%
191	15.713	15.694	15.733	VV	2048	36480	0.21%	0.011%
192	15.779	15.733	15.801	VV	7886	168729	0.99%	0.051%
193	15.830	15.801	15.865	VV	8676	156884	0.92%	0.048%
194	15.889	15.865	15.912	VV	8629	131434	0.77%	0.040%

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195	15.930	15.912	15.962	VV	4914	97197	0.57%	0.030%
196	15.982	15.962	16.007	VV	3002	59798	0.35%	0.018%
197	16.042	16.007	16.100	VV	6954	231966	1.36%	0.071%
198	16.149	16.100	16.198	VV	2696	96546	0.56%	0.029%
199	16.266	16.198	16.303	VV	595378	7675626	44.91%	2.340%
200	16.330	16.303	16.371	VV	3201	76768	0.45%	0.023%
201	16.390	16.371	16.421	VV	863	13010	0.08%	0.004%
202	16.460	16.421	16.508	PV	1879	51605	0.30%	0.016%
203	16.533	16.508	16.543	VV	778	11168	0.07%	0.003%
204	16.582	16.543	16.607	VV	2650	59135	0.35%	0.018%
205	16.645	16.607	16.721	VV	19294	475690	2.78%	0.145%
206	16.775	16.721	16.790	VV	613120	9159522	53.59%	2.792%
207	16.808	16.790	16.883	VV	733237	9359239	54.76%	2.853%
208	16.913	16.883	16.998	VV	8670	250805	1.47%	0.076%
209	17.042	16.998	17.069	VV	5637	111214	0.65%	0.034%
210	17.098	17.069	17.124	VV	21707	333117	1.95%	0.102%
211	17.160	17.124	17.187	VV	685292	8990169	52.60%	2.741%
212	17.216	17.187	17.248	VV	570597	7932465	46.41%	2.418%
213	17.268	17.248	17.334	VV	11541	307014	1.80%	0.094%
214	17.339	17.334	17.360	VV	1892	21015	0.12%	0.006%
215	17.412	17.360	17.491	VV	3009	151485	0.89%	0.046%
216	17.553	17.491	17.564	VV	6324	160566	0.94%	0.049%
217	17.587	17.564	17.622	VV	11903	250573	1.47%	0.076%
218	17.664	17.622	17.689	VV	15720	268977	1.57%	0.082%
219	17.703	17.689	17.729	VV	3681	62647	0.37%	0.019%
220	17.759	17.729	17.803	VV	2548	85393	0.50%	0.026%
221	17.833	17.803	17.862	VV	3740	87221	0.51%	0.027%
222	17.875	17.862	17.914	VV	1821	30086	0.18%	0.009%
223	17.995	17.914	18.003	PV	2247	70516	0.41%	0.021%
224	18.019	18.003	18.053	VV	3802	72711	0.43%	0.022%
225	18.110	18.053	18.171	VV	550925	7585511	44.38%	2.313%
226	18.197	18.171	18.221	VV	6412	106762	0.62%	0.033%
227	18.275	18.221	18.297	VV	3033	105470	0.62%	0.032%
228	18.321	18.297	18.405	VV	3250	145705	0.85%	0.044%
229	18.473	18.405	18.503	VV	17336	506957	2.97%	0.155%
230	18.548	18.503	18.561	VV	626032	9759524	57.10%	2.975%
231	18.577	18.561	18.668	VV	695365	10081902	58.99%	3.074%
232	18.677	18.668	18.698	VV	10159	155429	0.91%	0.047%
233	18.710	18.698	18.734	VV	8641	140442	0.82%	0.043%
234	18.755	18.734	18.763	VV	4637	72978	0.43%	0.022%
235	18.806	18.763	18.901	VV	662166	10051749	58.81%	3.064%
236	18.941	18.901	18.997	VV	530689	7555432	44.21%	2.303%
237	19.040	18.997	19.064	VV	7602	197708	1.16%	0.060%
238	19.075	19.064	19.124	VV	4262	137819	0.81%	0.042%
239	19.133	19.124	19.167	VV	3592	64589	0.38%	0.020%
240	19.219	19.167	19.244	VV	7968	189348	1.11%	0.058%
241	19.302	19.244	19.323	VV	27840	604753	3.54%	0.184%
242	19.337	19.323	19.398	VV	18559	482279	2.82%	0.147%
243	19.426	19.398	19.447	VV	6768	173983	1.02%	0.053%
244	19.471	19.447	19.541	VV	19594	440248	2.58%	0.134%
245	19.583	19.541	19.678	VV	14595	467197	2.73%	0.142%
246	19.727	19.678	19.770	VV	491820	6966745	40.76%	2.124%

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247	19.796	19.770	19.814	VV	12669	210463	1.23%	0.064%
248	19.837	19.814	19.864	VV	13891	314759	1.84%	0.096%
249	19.877	19.864	19.894	VV	7491	122858	0.72%	0.037%
250	19.911	19.894	19.947	VV	6307	168476	0.99%	0.051%
251	19.994	19.947	20.045	VV	17408	522380	3.06%	0.159%
252	20.078	20.045	20.166	VV	32483	969449	5.67%	0.296%
253	20.188	20.166	20.248	VV	8056	366957	2.15%	0.112%
254	20.286	20.248	20.333	VV	9542	419690	2.46%	0.128%
255	20.385	20.333	20.401	VV	12405	427503	2.50%	0.130%
256	20.468	20.401	20.516	VV	462485	7351854	43.02%	2.241%
257	20.529	20.516	20.544	VV	11938	193683	1.13%	0.059%
258	20.608	20.544	20.623	VV	19232	709311	4.15%	0.216%
259	20.657	20.623	20.754	VV	22659	1326696	7.76%	0.404%
260	20.824	20.754	20.854	VV	17245	863828	5.05%	0.263%
261	20.869	20.854	20.901	VV	13934	382550	2.24%	0.117%
262	21.004	20.901	21.039	VV	14266	1132021	6.62%	0.345%
263	21.082	21.039	21.100	VV	13618	492438	2.88%	0.150%
264	21.155	21.100	21.169	VV	16056	595709	3.49%	0.182%
265	21.216	21.169	21.289	VV	383259	7415086	43.39%	2.261%
266	21.308	21.289	21.327	VV	10137	226833	1.33%	0.069%
267	21.353	21.327	21.382	VV	9507	304596	1.78%	0.093%
268	21.390	21.382	21.404	VV	8964	120136	0.70%	0.037%
269	21.441	21.404	21.469	VV	9008	340440	1.99%	0.104%
270	21.476	21.469	21.531	VV	8608	304916	1.78%	0.093%
271	21.537	21.531	21.574	VV	7641	187780	1.10%	0.057%
272	21.646	21.574	21.694	VV	8071	492879	2.88%	0.150%
273	21.741	21.694	21.861	VV	5826	463899	2.71%	0.141%
274	21.902	21.861	21.927	VV	3134	120634	0.71%	0.037%
275	21.943	21.927	21.968	VV	3235	72903	0.43%	0.022%
276	22.009	21.968	22.057	VV	2920	144490	0.85%	0.044%
277	22.149	22.057	22.274	VV	276166	7031079	41.14%	2.144%
					Sum of corrected areas:	328013126		

Aliphatic EPH 112725.M Wed Dec 03 03:39:31 2025

Manual Integration Report

Sequence:

FE112725AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
10 PPM ALIPHATIC HC	FE057082.D	n-Tetracosane (C24)	rahul	12/1/2025 9:08:11 AM	mohammad	12/2/2025 12:49:44	Peak Integrated by Software
5 PPM ALIPHATIC HC	FE057083.D	A~2-methylnaphthalene (C12.89)	rahul	12/1/2025 9:08:15 AM	mohammad	12/2/2025 12:49:44	Peak Integrated by Software
5 PPM ALIPHATIC HC	FE057083.D	n-Tetracosane (C24)	rahul	12/1/2025 9:08:15 AM	mohammad	12/2/2025 12:49:44	Peak Integrated by Software

Manual Integration Report

Sequence:

FE120225AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3733-02DL	FE057120.D	1-chlorooctadecane (SURR)	rahul	12/3/2025 9:05:03 AM	Sohil	12/3/2025 3:20:51	Peak Integrated by Software

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE112725AL

Review By	rahul	Review On	11/26/2025 3:46:33 PM
Supervise By	mohammad	Supervise On	12/2/2025 12:49:44 AM
SubDirectory	FE112725AL	HP Acquire Method	HP Processing Method FE112725AL
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	FE057077.D	27 Nov 2025 11:16	YP\AJ	Ok
2	I.BLK	FE057078.D	27 Nov 2025 11:47	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE057079.D	27 Nov 2025 12:17	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE057080.D	27 Nov 2025 12:47	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE057081.D	27 Nov 2025 13:17	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE057082.D	27 Nov 2025 13:47	YP\AJ	Ok,M
7	5 PPM ALIPHATIC HC STD5	FE057083.D	27 Nov 2025 14:17	YP\AJ	Ok,M
8	20 PPM ALIPHATIC HC STD ICV	FE057084.D	27 Nov 2025 14:47	YP\AJ	Ok
9	I.BLK	FE057085.D	27 Nov 2025 15:48	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE057086.D	27 Nov 2025 16:18	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE120225AL

Review By	rahul	Review On	12/2/2025 10:11:58 AM
Supervise By	Sohil	Supervise On	12/3/2025 3:20:56 PM
SubDirectory	FE120225AL	HP Acquire Method	HP Processing Method FE112725AL
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	FE057116.D	02 Dec 2025 06:55	YP\AJ	Ok
2	I.BLK	FE057117.D	02 Dec 2025 07:25	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE057118.D	02 Dec 2025 07:55	YP\AJ	Ok
4	Q3733-01DL	FE057119.D	02 Dec 2025 09:01	YP\AJ	Ok
5	Q3733-02DL	FE057120.D	02 Dec 2025 09:31	YP\AJ	Ok,M
6	I.BLK	FE057121.D	02 Dec 2025 12:54	YP\AJ	Ok
7	20 PPM ALIPHATIC HC STD	FE057122.D	02 Dec 2025 13:24	YP\AJ	Ok
8	PB170789BL	FE057123.D	02 Dec 2025 15:25	YP\AJ	Ok
9	PB170789BS	FE057124.D	02 Dec 2025 15:55	YP\AJ	Ok
10	PB170789BSD	FE057125.D	02 Dec 2025 16:26	YP\AJ	Ok
11	Q3742-01	FE057126.D	02 Dec 2025 16:56	YP\AJ	Ok
12	Q3742-02	FE057127.D	02 Dec 2025 17:26	YP\AJ	Ok
13	Q3742-05	FE057128.D	02 Dec 2025 17:57	YP\AJ	Ok
14	Q3742-06	FE057129.D	02 Dec 2025 18:27	YP\AJ	Ok
15	Q3742-07	FE057130.D	02 Dec 2025 18:57	YP\AJ	Ok
16	Q3742-08	FE057131.D	02 Dec 2025 19:27	YP\AJ	Ok
17	Q3742-09	FE057132.D	02 Dec 2025 19:58	YP\AJ	Ok
18	Q3742-10	FE057133.D	02 Dec 2025 20:28	YP\AJ	Ok
19	Q3742-16	FE057134.D	02 Dec 2025 20:58	YP\AJ	Ok
20	Q3742-17	FE057135.D	02 Dec 2025 21:28	YP\AJ	Ok
21	Q3742-18	FE057136.D	02 Dec 2025 21:58	YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE120225AL

Review By	rahul	Review On	12/2/2025 10:11:58 AM
Supervise By	Sohil	Supervise On	12/3/2025 3:20:56 PM
SubDirectory	FE120225AL	HP Acquire Method	HP Processing Method FE112725AL
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	Q3742-18D	FE057137.D	02 Dec 2025 22:28	YP\AJ	Ok
23	Q3742-18MS	FE057138.D	02 Dec 2025 22:58	YP\AJ	Ok
24	Q3742-18MSD	FE057139.D	02 Dec 2025 23:29	YP\AJ	Ok
25	Q3746-01	FE057140.D	02 Dec 2025 23:59	YP\AJ	Ok
26	Q3746-02	FE057141.D	03 Dec 2025 00:29	YP\AJ	Ok
27	I.BLK	FE057142.D	03 Dec 2025 01:29	YP\AJ	Ok
28	20 PPM ALIPHATIC HC STD	FE057143.D	03 Dec 2025 01:59	YP\AJ	Ok
29	Q3750-01	FE057144.D	03 Dec 2025 03:00	YP\AJ	Ok
30	Q3750-02	FE057145.D	03 Dec 2025 03:30	YP\AJ	Ok
31	Q3750-04	FE057146.D	03 Dec 2025 04:00	YP\AJ	Ok
32	Q3750-05	FE057147.D	03 Dec 2025 04:30	YP\AJ	Ok
33	I.BLK	FE057148.D	03 Dec 2025 05:31	YP\AJ	Ok
34	20 PPM ALIPHATIC HC STD	FE057149.D	03 Dec 2025 06:01	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE112725AL

Review By	rahul	Review On	11/26/2025 3:46:33 PM
Supervise By	mohammad	Supervise On	12/2/2025 12:49:44 AM
SubDirectory	FE112725AL	HP Acquire Method	HP Processing Method FE112725AL

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	FE057077.D	27 Nov 2025 11:16		YP\AJ	Ok
2	I.BLK	I.BLK	FE057078.D	27 Nov 2025 11:47		YP\AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FE057079.D	27 Nov 2025 12:17		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE057080.D	27 Nov 2025 12:47		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE057081.D	27 Nov 2025 13:17		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE057082.D	27 Nov 2025 13:47		YP\AJ	Ok,M
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE057083.D	27 Nov 2025 14:17		YP\AJ	Ok,M
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE057084.D	27 Nov 2025 14:47		YP\AJ	Ok
9	I.BLK	I.BLK	FE057085.D	27 Nov 2025 15:48		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE057086.D	27 Nov 2025 16:18		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE120225AL

Review By	rahul	Review On	12/2/2025 10:11:58 AM
Supervise By	Sohil	Supervise On	12/3/2025 3:20:56 PM
SubDirectory	FE120225AL	HP Acquire Method	HP Processing Method FE112725AL

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	FE057116.D	02 Dec 2025 06:55		YP\AJ	Ok
2	I.BLK	I.BLK	FE057117.D	02 Dec 2025 07:25		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE057118.D	02 Dec 2025 07:55		YP\AJ	Ok
4	Q3733-01DL	SU-04-11-26-2025DL	FE057119.D	02 Dec 2025 09:01		YP\AJ	Ok
5	Q3733-02DL	SU-04-11-26-2025-E2D	FE057120.D	02 Dec 2025 09:31		YP\AJ	Ok,M
6	I.BLK	I.BLK	FE057121.D	02 Dec 2025 12:54		YP\AJ	Ok
7	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE057122.D	02 Dec 2025 13:24		YP\AJ	Ok
8	PB170789BL	PB170789BL	FE057123.D	02 Dec 2025 15:25		YP\AJ	Ok
9	PB170789BS	PB170789BS	FE057124.D	02 Dec 2025 15:55		YP\AJ	Ok
10	PB170789BSD	PB170789BSD	FE057125.D	02 Dec 2025 16:26		YP\AJ	Ok
11	Q3742-01	SB-1125-23	FE057126.D	02 Dec 2025 16:56		YP\AJ	Ok
12	Q3742-02	SB-1125-19	FE057127.D	02 Dec 2025 17:26		YP\AJ	Ok
13	Q3742-05	SB-1125-21	FE057128.D	02 Dec 2025 17:57		YP\AJ	Ok
14	Q3742-06	SB-1125-13	FE057129.D	02 Dec 2025 18:27		YP\AJ	Ok
15	Q3742-07	SB-1125-18	FE057130.D	02 Dec 2025 18:57		YP\AJ	Ok
16	Q3742-08	SB-1125-20	FE057131.D	02 Dec 2025 19:27		YP\AJ	Ok
17	Q3742-09	SB-1125-22	FE057132.D	02 Dec 2025 19:58		YP\AJ	Ok
18	Q3742-10	SB-1125-2	FE057133.D	02 Dec 2025 20:28		YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE120225AL

Review By	rahul	Review On	12/2/2025 10:11:58 AM
Supervise By	Sohil	Supervise On	12/3/2025 3:20:56 PM
SubDirectory	FE120225AL	HP Acquire Method	HP Processing Method FE112725AL
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	Q3742-16	SB-1125-1	FE057134.D	02 Dec 2025 20:58		YPIAJ	Ok
20	Q3742-17	SB-1125-25	FE057135.D	02 Dec 2025 21:28		YPIAJ	Ok
21	Q3742-18	SB-1125-24	FE057136.D	02 Dec 2025 21:58		YPIAJ	Ok
22	Q3742-18D	Q3742-18D	FE057137.D	02 Dec 2025 22:28		YPIAJ	Ok
23	Q3742-18MS	SB-1125-24MS	FE057138.D	02 Dec 2025 22:58	FE057136.D	YPIAJ	Ok
24	Q3742-18MSD	SB-1125-24MSD	FE057139.D	02 Dec 2025 23:29	FE057136.D!FE057138.D	YPIAJ	Ok
25	Q3746-01	ROW	FE057140.D	02 Dec 2025 23:59		YPIAJ	Ok
26	Q3746-02	ROW-E2	FE057141.D	03 Dec 2025 00:29		YPIAJ	Ok
27	I.BLK	I.BLK	FE057142.D	03 Dec 2025 01:29		YPIAJ	Ok
28	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE057143.D	03 Dec 2025 01:59		YPIAJ	Ok
29	Q3750-01	FENCE WC-1	FE057144.D	03 Dec 2025 03:00		YPIAJ	Ok
30	Q3750-02	FENCE WC-1-EPH	FE057145.D	03 Dec 2025 03:30		YPIAJ	Ok
31	Q3750-04	FENCE WC-2	FE057146.D	03 Dec 2025 04:00		YPIAJ	Ok
32	Q3750-05	FENCE WC-2-EPH	FE057147.D	03 Dec 2025 04:30		YPIAJ	Ok
33	I.BLK	I.BLK	FE057148.D	03 Dec 2025 05:31		YPIAJ	Ok
34	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE057149.D	03 Dec 2025 06:01		YPIAJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/2/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 12/01/2025
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: 12/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB138066

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
Q3741-01	B50-SP3-111925	1	1.15	10.38	11.53	10.66	91.6	
Q3741-02	B50-SP13-112025	2	1.18	10.33	11.51	10.1	86.4	
Q3741-03	B50-SP14-112025	3	1.19	10.25	11.44	10.14	87.3	
Q3741-04	B50-SP9-112425	4	1.16	10.61	11.77	10.2	85.2	
Q3741-05	B50-SP11-112525	5	1.16	10.47	11.63	10.02	84.6	
Q3741-06	B50-SP4-112525	6	1.18	10.50	11.68	10.2	85.9	
Q3742-01	SB-1125-23	7	1.11	10.61	11.72	8.55	70.1	
Q3742-02	SB-1125-19	8	1.19	11.07	12.26	5.72	40.9	
Q3742-03	SB-1125-8	9	1.17	10.55	11.72	10.16	85.2	
Q3742-04	SB-1125-9	10	1.19	10.57	11.76	9.5	78.6	
Q3742-05	SB-1125-21	11	1.16	10.61	11.77	9.6	79.5	
Q3742-06	SB-1125-13	12	1.18	10.18	11.36	9.88	85.5	
Q3742-07	SB-1125-18	13	1.11	10.19	11.3	8.07	68.3	
Q3742-08	SB-1125-20	14	1.15	10.84	11.99	9.86	80.4	
Q3742-09	SB-1125-22	15	1.12	10.90	12.02	9.05	72.8	
Q3742-10	SB-1125-2	16	1.16	10.76	11.92	9.38	76.4	
Q3742-11	SB-1125-3A	17	1.19	10.58	11.77	8.93	73.2	
Q3742-12	SB-1125-3B	18	1.17	10.50	11.67	10.55	89.3	
Q3742-13	SB-1125-3C	19	1.16	10.50	11.66	9.31	77.6	
Q3742-14	SB-1125-3D	20	1.13	10.45	11.58	8.5	70.5	
Q3742-14D	SB-1125-3DDUP	21	1.15	10.45	11.6	8.53	70.6	
Q3742-15	SB-1125-3E	22	1.13	10.39	11.52	8.05	66.6	
Q3742-16	SB-1125-1	23	1.19	10.33	11.52	8.78	73.5	
Q3742-17	SB-1125-25	24	1.18	11.18	12.36	8.26	63.3	
Q3742-18	SB-1125-24	25	1.15	10.90	12.05	7.99	62.8	
Q3745-05	SVOC-GPC-BLANK	31	1.00	1.00	2.00	2.00	100.0	
Q3745-06	PEST-GPC-BLANK	32	1.00	1.00	2.00	2.00	100.0	
Q3745-07	PEST-GPC-BLANK-SPIKE	33	1.00	1.00	2.00	2.00	100.0	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/2/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 12/01/2025
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: 12/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB138066

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
Q3745-08	SVOC-GPC2-BLANK	34	1.00	1.00	2.00	2.00	100.0	
Q3745-09	PEST-GPC2-BLANK	35	1.00	1.00	2.00	2.00	100.0	
Q3745-10	PEST -GPC2-BLANK-SPIKE	36	1.00	1.00	2.00	2.00	100.0	
Q3746-01	ROW	26	1.15	10.84	11.99	8.59	68.6	
Q3746-02	ROW-E2	27	1.14	10.58	11.72	5.2	38.4	
Q3747-01	1	28	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3747-02	2	29	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3747-03	3	30	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3748-01	AU-05-12-1-2025	37	1.18	10.75	11.93	11.03	91.6	
Q3748-02	AU-05-12-1-2025	38	1.18	10.55	11.73	10.88	91.9	
Q3750-01	FENCE WC-1	39	1.15	10.77	11.92	10.5	86.8	
Q3750-02	FENCE WC-1-EPH	40	1.19	10.31	11.5	10.15	86.9	
Q3750-03	FENCE WC-1-VOC	41	1.16	10.58	11.74	9.72	80.9	
Q3750-04	FENCE WC-2	42	1.11	10.51	11.62	10.2	86.5	
Q3750-05	FENCE WC-2-EPH	43	1.13	10.21	11.34	9.97	86.6	
Q3750-06	FENCE WC-2-VOC	44	1.19	10.38	11.57	10.52	89.9	

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

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-120125

WorkList ID : 193391

Department : Wet-Chemistry

Date : 12-01-2025 08:55:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3741-01	B50-SP3-111925	Solid	Percent Solids	Cool 4 deg C	CORE02	--Sele	11/19/2025	Chemtech -SO
Q3741-02	B50-SP13-112025	Solid	Percent Solids	Cool 4 deg C	CORE02	--Sele	11/20/2025	Chemtech -SO
Q3741-03	B50-SP14-112025	Solid	Percent Solids	Cool 4 deg C	CORE02	--Sele	11/20/2025	Chemtech -SO
Q3741-04	B50-SP9-112425	Solid	Percent Solids	Cool 4 deg C	CORE02	--Sele	11/24/2025	Chemtech -SO
Q3741-05	B50-SP11-112525	Solid	Percent Solids	Cool 4 deg C	CORE02	--Sele	11/25/2025	Chemtech -SO
Q3741-06	B50-SP4-112525	Solid	Percent Solids	Cool 4 deg C	CORE02	--Sele	11/25/2025	Chemtech -SO
Q3742-01	SB-1125-23	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/6025	Chemtech -SO
Q3742-02	SB-1125-19	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-03	SB-1125-8	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-04	SB-1125-9	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-05	SB-1125-21	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-06	SB-1125-13	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-07	SB-1125-18	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-08	SB-1125-20	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-09	SB-1125-22	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-10	SB-1125-2	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-11	SB-1125-3A	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-12	SB-1125-3B	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-13	SB-1125-3C	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-14	SB-1125-3D	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-15	SB-1125-3E	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO

Date/Time 12/01/25 15:13
 Raw Sample Received by: JPW
 Raw Sample Relinquished by: JPW

Date/Time 12/01/25 17:40
 Raw Sample Received by: JPW
 Raw Sample Relinquished by: JPW

WORKLIST(Hardcopy Internal Chain)

g 172066

WorkList Name : %1-120125

WorkList ID : 193391

Department : Wet-Chemistry

Date : 12-01-2025 08:55:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3742-16	SB-1125-1	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-17	SB-1125-25	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3742-18	SB-1125-24	Solid	Percent Solids	Cool 4 deg C	REMI01	A21	11/25/2025	Chemtech -SO
Q3745-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/21/2025	Chemtech -SO
Q3745-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/21/2025	Chemtech -SO
Q3745-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/21/2025	Chemtech -SO
Q3745-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/21/2025	Chemtech -SO
Q3745-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/21/2025	Chemtech -SO
Q3745-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/21/2025	Chemtech -SO
Q3746-01	ROW	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/02/2025	Chemtech -SO
Q3746-02	ROW-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/02/2025	Chemtech -SO
Q3747-01	1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	12/01/2025	Chemtech -SO
Q3747-02	2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	12/01/2025	Chemtech -SO
Q3747-03	3	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	12/01/2025	Chemtech -SO
Q3748-01	AU-05-12-1-2025	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	12/01/2025	Chemtech -SO
Q3748-02	AU-05-12-1-2025	Solid	Percent Solids	Cool 4 deg C	PSEG05	A12	12/01/2025	Chemtech -SO
Q3750-01	FENCE WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/01/2025	Chemtech -SO
Q3750-02	FENCE WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/01/2025	Chemtech -SO
Q3750-03	FENCE WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/01/2025	Chemtech -SO
Q3750-04	FENCE WC-2	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/01/2025	Chemtech -SO
Q3750-05	FENCE WC-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/01/2025	Chemtech -SO

Date/Time 12/01/25 15:15
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 12/01/25 17:40
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

138066

WorkList Name : %1-120125

WorkList ID : 193391

Department : Wet-Chemistry

Date : 12-01-2025 08:55:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3750-06	FENCE WC-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG05	A11	12/01/2025	Chemtech -SO

Date/Time 12/01/25 13:15
 Raw Sample Received by: SB WPC
 Raw Sample Relinquished by: CR 8

Date/Time 12/01/25 17:40
 Raw Sample Received by: CR 8
 Raw Sample Relinquished by: SB WPC

SOP ID:	M3541-ASE Extraction-15		
Clean Up SOP #:	N/A	Extraction Start Date :	12/02/2025
Matrix :	Solid	Extraction Start Time :	10:40
Weigh By:	EH	Extraction By:	RJ
Balance check:	EH	Filter By:	RJ
Balance ID:	EX-SC-2	Extraction End Date :	12/02/2025
pH Strip Lot#:	N/A	Extraction End Time :	14:40
		Concentration By:	EH
		Supervisor By :	RUPESH
Extraction Method:	☐ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP25005
Surrogate	1.0ML	100 PPM	PP25012
Fractionation Surrogate	1.0ML	100 PPM	PP24994
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2659
Baked Na2SO4	N/A	EP2663
Sand	N/A	E3951
Hexane	N/A	E3988
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/2/25	RS (Ext Lab)	R. Pest/PCB Lab
14:45	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 12/02/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170789BL	PB170789BL	EPH_NF	30.02	N/A	ritesh	Evelyn	2			U6-04
PB170789BS	PB170789BS	EPH_NF	30.01	N/A	ritesh	Evelyn	2			5
PB170789BSD	PB170789BSD	EPH_NF	30.03	N/A	ritesh	Evelyn	2			6
Q3742-01	SB-1125-23	EPH_NF	30.09	N/A	ritesh	Evelyn	2	E		U1-1
Q3742-02	SB-1125-19	EPH_NF	30.04	N/A	ritesh	Evelyn	2	E		2
Q3742-05	SB-1125-21	EPH_NF	30.06	N/A	ritesh	Evelyn	2	E		3
Q3742-06	SB-1125-13	EPH_NF	30.02	N/A	ritesh	Evelyn	2	E		4
Q3742-07	SB-1125-18	EPH_NF	30.07	N/A	ritesh	Evelyn	2	E		5
Q3742-08	SB-1125-20	EPH_NF	30.03	N/A	ritesh	Evelyn	2	E		6
Q3742-09	SB-1125-22	EPH_NF	30.06	N/A	ritesh	Evelyn	2	E		U2-1
Q3742-10	SB-1125-2	EPH_NF	30.09	N/A	ritesh	Evelyn	2	E		2
Q3742-16	SB-1125-1	EPH_NF	30.05	N/A	ritesh	Evelyn	2	E		3
Q3742-17	SB-1125-25	EPH_NF	30.08	N/A	ritesh	Evelyn	2	E		4
Q3742-18	SB-1125-24	EPH_NF	30.04	N/A	ritesh	Evelyn	2	E		5
Q3742-18DUP	SB-1125-24DUP	EPH_NF	30.02	N/A	ritesh	Evelyn	2	E		6
Q3742-18MS	SB-1125-24MS	EPH_NF	30.07	N/A	ritesh	Evelyn	2	E		U1-1
Q3742-18MSD	SB-1125-24MSD	EPH_NF	30.09	N/A	ritesh	Evelyn	2	E		2
Q3746-01	ROW	EPH_NF	30.05	N/A	ritesh	Evelyn	2	E		3
Q3746-02	ROW-E2	EPH_NF	30.02	N/A	ritesh	Evelyn	2			4
Q3750-01	FENCE WC-1	EPH_NF	30.09	N/A	ritesh	Evelyn	2	E		5
Q3750-02	FENCE WC-1-EPH	EPH_NF	30.06	N/A	ritesh	Evelyn	2			6
Q3750-04	FENCE WC-2	EPH_NF	30.04	N/A	ritesh	Evelyn	2	E		U3-1
Q3750-05	FENCE WC-2-EPH	EPH_NF	30.07	N/A	ritesh	Evelyn	2			2

RS
12/2

10/10/2025

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3750 WorkList ID : 193420 Department : Extraction Date : 12-02-2025 10:35:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3742-01	SB-1125-23	Solid	EPH_NF	Cool 4 deg C	REMI01	A21	11/25/6025	NJEPH
Q3742-02	SB-1125-19	Solid	EPH_NF	Cool 4 deg C	REMI01	A21	11/25/2025	NJEPH
Q3742-05	SB-1125-21	Solid	EPH_NF	Cool 4 deg C	REMI01	A21	11/25/2025	NJEPH
Q3742-06	SB-1125-13	Solid	EPH_NF	Cool 4 deg C	REMI01	A21	11/25/2025	NJEPH
Q3742-07	SB-1125-18	Solid	EPH_NF	Cool 4 deg C	REMI01	A21	11/25/2025	NJEPH
Q3742-08	SB-1125-20	Solid	EPH_NF	Cool 4 deg C	REMI01	A21	11/25/2025	NJEPH
Q3742-09	SB-1125-22	Solid	EPH_NF	Cool 4 deg C	REMI01	A21	11/25/2025	NJEPH
Q3742-10	SB-1125-2	Solid	EPH_NF	Cool 4 deg C	REMI01	A21	11/25/2025	NJEPH
Q3742-16	SB-1125-1	Solid	EPH_NF	Cool 4 deg C	REMI01	A21	11/25/2025	NJEPH
Q3742-17	SB-1125-25	Solid	EPH_NF	Cool 4 deg C	REMI01	A21	11/25/2025	NJEPH
Q3742-18	SB-1125-24	Solid	EPH_NF	Cool 4 deg C	REMI01	A21	11/25/2025	NJEPH
Q3746-01	ROW	Solid	EPH_NF	Cool 4 deg C	PSEG05	A11	12/02/2025	NJEPH
Q3746-02	ROW-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	A11	12/02/2025	NJEPH
Q3750-01	FENCE WC-1	Solid	EPH_NF	Cool 4 deg C	PSEG05	A11	12/01/2025	NJEPH
Q3750-02	FENCE WC-1-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG05	A11	12/01/2025	NJEPH
Q3750-04	FENCE WC-2	Solid	EPH_NF	Cool 4 deg C	PSEG05	A11	12/01/2025	NJEPH
Q3750-05	FENCE WC-2-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG05	A11	12/01/2025	NJEPH

Date/Time

12/2/25

10:35

Raw Sample Received by:

RJ(Ext-06)

12/2/25

11:10

Raw Sample Relinquished by:

RJ(Ext-06)

12/2/25

11:10

Prep Standard - Chemical Standard Summary

Order ID : Q3742

Test : EPH_NF

Prepbatch ID : PB170789,

Sequence ID/Qc Batch ID: FE120225AL,

Standard ID :

EP2659,EP2663,PP24768,PP24769,PP24770,PP24771,PP24772,PP24773,PP24774,PP24994,PP25005,PP25012,

Chemical ID :

E3875,E3951,E3956,E3974,E3979,E3980,E3982,E3988,P12364,P13280,P13281,P13620,P13690,P14033,P14034,P14035,P14036,P14037,P14127,P14128,P14129,P14130,P14131,P14132,P14133,P14134,P14135,P14136,P14151,P14152,P14153,P14154,P14155,P14170,P14171,P14172,P14173,P14195,P14196,P14197,P14198,P14199,P14200,P14201,P14202,P14203,P14204,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	EP2659	11/03/2025	04/16/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel
								11/03/2025

FROM 8000.00000ml of E3980 + 8000.00000ml of E3982 = 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	EP2663	11/20/2025	05/20/2026	RUPESHKUMAR SHAH	Extraction_SC ALE_2	None	Riteshkumar Patel
						(EX-SC-2)		11/20/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram



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Fax : 908 789 8922

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

<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>
1331	100 PPM NJEPH Fractionating Surrogate	PP24994	10/09/2025	04/09/2026	Abdul Mirza	None	None	Yogesh Patel
								10/10/2025

FROM 1.25000ml of P14170 + 1.25000ml of P14171 + 1.25000ml of P14172 + 1.25000ml of P14173 + 195.00000ml of E3974 = Final Quantity: 200.000 ml



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Fax : 908 789 8922

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	07/28/2026	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-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-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

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)	25C0362006	04/10/2027	09/26/2025 / Riteshkumar	09/26/2025 / Riteshkumar	E3974

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)	24L1062001	10/04/2027	10/15/2025 / RITESHKUMAR	09/29/2025 / Riteshkumar	E3979

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	10/10/2025 / RUPESH	10/10/2025 / RUPESH	E3980

CHEMICAL RECEIPT LOG BOOK

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)	24L1062001	10/04/2027	10/31/2025 / RUPESH	10/31/2025 / RUPESH	E3982

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)	25G1662002	05/21/2026	11/21/2025 / RUPESH	11/19/2025 / RUPESH	E3988

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	02/01/2026	08/01/2025 / yogesh	10/16/2024 / yogesh	P13620

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	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	31098 / 1-Chlorooctadecane Standard	A0225485	04/27/2026	10/27/2025 / Abdul	06/02/2025 / Rahul	P14033

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0225485	04/27/2026	10/27/2025 / Abdul	06/02/2025 / Rahul	P14034

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0225485	04/27/2026	10/27/2025 / Abdul	06/02/2025 / Rahul	P14035

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0225485	04/27/2026	10/27/2025 / Abdul	06/02/2025 / Rahul	P14036

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	A0225485	04/27/2026	10/27/2025 / Abdul	06/02/2025 / Rahul	P14037

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	A0226411	04/22/2026	10/22/2025 / Abdul	09/16/2025 / Abdul	P14127

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0226411	07/31/2032	10/22/2025 / Abdul	09/16/2025 / Abdul	P14128

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0226411	04/22/2026	10/22/2025 / Abdul	09/16/2025 / Abdul	P14129

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0226411	04/22/2026	10/22/2025 / Abdul	09/16/2025 / Abdul	P14130

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0226411	04/22/2026	10/22/2025 / Abdul	09/16/2025 / Abdul	P14131

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0226411	04/22/2026	10/22/2025 / Abdul	09/16/2025 / Abdul	P14132

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	A0226411	04/22/2026	10/22/2025 / Abdul	09/16/2025 / Abdul	P14133

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0226411	04/22/2026	10/22/2025 / Abdul	09/16/2025 / Abdul	P14134

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0226411	04/22/2026	10/22/2025 / Abdul	09/16/2025 / Abdul	P14135

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30542 / Custom NJEPH Aliphatics Matrix Spike Mix	A0226411	04/22/2026	10/22/2025 / Abdul	09/16/2025 / Abdul	P14136

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	04/27/2026	10/27/2025 / Abdul	09/24/2025 / Abdul	P14151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	04/27/2026	10/27/2025 / Abdul	09/24/2025 / Abdul	P14152

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	04/27/2026	10/27/2025 / Abdul	09/24/2025 / Abdul	P14153

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	04/27/2026	10/27/2025 / Abdul	09/24/2025 / Abdul	P14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31097 / o-Terphenyl Standard	A0216631	04/27/2026	10/27/2025 / Abdul	09/24/2025 / Abdul	P14155

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0227585	04/09/2026	10/09/2025 / Abdul	10/01/2025 / Abdul	P14170

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0227585	04/09/2026	10/09/2025 / Abdul	10/01/2025 / Abdul	P14171

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0227585	04/09/2026	10/09/2025 / Abdul	10/01/2025 / Abdul	P14172

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31480 / MA Fractionation Surrogate Spike Mix	A0227585	04/09/2026	10/09/2025 / Abdul	10/01/2025 / Abdul	P14173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0231145	04/22/2026	10/22/2025 / Abdul	10/21/2025 / Abdul	P14195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0231145	04/22/2026	10/22/2025 / Abdul	10/21/2025 / Abdul	P14196

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0231145	04/22/2026	10/22/2025 / Abdul	10/21/2025 / Abdul	P14197

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0231145	04/22/2026	10/22/2025 / Abdul	10/21/2025 / Abdul	P14198

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0231145	04/22/2026	10/22/2025 / Abdul	10/21/2025 / Abdul	P14199

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	A0231145	04/22/2026	10/22/2025 / Abdul	10/21/2025 / Abdul	P14200

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0231145	04/22/2026	10/22/2025 / Abdul	10/21/2025 / Abdul	P14201

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0231145	04/22/2026	10/22/2025 / Abdul	10/21/2025 / Abdul	P14202

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0231145	04/22/2026	10/22/2025 / Abdul	10/21/2025 / Abdul	P14203

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30543 / Custom NJEPH Aromatics Matrix Spike Mix	A0231145	04/22/2026	10/22/2025 / Abdul	10/21/2025 / Abdul	P14204

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

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03

Batch No.: 25C0362006

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 Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	4
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	0.2 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

E 3974

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



**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



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.

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

 **avantors**™



Material No.: 9254-03

Batch No.: 24L1062001

Manufactured Date: 2024-10-04

Expiration Date: 2027-10-04

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.7 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.1
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.3 %
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

E3979



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

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 HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	1
Assay (CH_2Cl_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 ($\mu\text{eq/g}$)	≤ 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

REC. on 10/10/25
RJ

E3980

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

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

 **avantors**™



Material No.: 9254-03

Batch No.: 24L1062001

Manufactured Date: 2024-10-04

Expiration Date: 2027-10-04

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.7 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.1
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.3 %
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

Received on 10/29/25

E3982

J. Croak

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



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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.:** A0226411

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 : July 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

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P14141
15
9/16/25

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%	200.3 µg/mL	+/- 5.1753
2	n-Decane (C10)	124-18-5	SHBS1019	99%	200.3 µg/mL	+/- 5.1753
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.0 µg/mL	+/- 5.1667
4	n-Tetradecane (C14)	629-59-4	STBL2522	99%	200.0 µg/mL	+/- 5.1667
5	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	200.0 µg/mL	+/- 5.1667
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.0 µg/mL	+/- 5.1667
7	n-Eicosane (C20)	112-95-8	MKCN8767	99%	200.0 µg/mL	+/- 5.1667
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.3 µg/mL	+/- 5.1753
9	n-Docosane (C22)	629-97-0	MKCQ3729	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	200.0 µg/mL	+/- 5.1667
11	n-Hexacosane (C26)	630-01-3	MKCV0107	99%	200.0 µg/mL	+/- 5.1667
12	n-Octacosane (C28)	630-02-4	BCCM2091	99%	200.0 µg/mL	+/- 5.1667
13	n-Triacontane (C30)	638-68-6	MKCW9459	99%	200.0 µg/mL	+/- 5.1667
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.0 µg/mL	+/- 5.1667
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.0 µg/mL	+/- 5.1667
16	n-Hexatriacontane (C36)	630-06-8	U30H007	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	200.0 µg/mL	+/- 5.1667



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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. : 30542 **Lot No.:** A0226411

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 : July 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

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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%	200.3 µg/mL	+/- 5.1753
2	n-Decane (C10)	124-18-5	SHBS1019	99%	200.3 µg/mL	+/- 5.1753
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.0 µg/mL	+/- 5.1667
4	n-Tetradecane (C14)	629-59-4	STBL2522	99%	200.0 µg/mL	+/- 5.1667
5	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	200.0 µg/mL	+/- 5.1667
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.0 µg/mL	+/- 5.1667
7	n-Eicosane (C20)	112-95-8	MKCN8767	99%	200.0 µg/mL	+/- 5.1667
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.3 µg/mL	+/- 5.1753
9	n-Docosane (C22)	629-97-0	MKCQ3729	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	200.0 µg/mL	+/- 5.1667
11	n-Hexacosane (C26)	630-01-3	MKCV0107	99%	200.0 µg/mL	+/- 5.1667
12	n-Octacosane (C28)	630-02-4	BCCM2091	99%	200.0 µg/mL	+/- 5.1667
13	n-Triacontane (C30)	638-68-6	MKCW9459	99%	200.0 µg/mL	+/- 5.1667
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.0 µg/mL	+/- 5.1667
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.0 µg/mL	+/- 5.1667
16	n-Hexatriacontane (C36)	630-06-8	U30H007	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	200.0 µg/mL	+/- 5.1667



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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. : 30542 **Lot No.:** A0226411

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 : July 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P14127
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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%	200.3 µg/mL	+/- 5.1753
2	n-Decane (C10)	124-18-5	SHBS1019	99%	200.3 µg/mL	+/- 5.1753
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.0 µg/mL	+/- 5.1667
4	n-Tetradecane (C14)	629-59-4	STBL2522	99%	200.0 µg/mL	+/- 5.1667
5	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	200.0 µg/mL	+/- 5.1667
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.0 µg/mL	+/- 5.1667
7	n-Eicosane (C20)	112-95-8	MKCN8767	99%	200.0 µg/mL	+/- 5.1667
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.3 µg/mL	+/- 5.1753
9	n-Docosane (C22)	629-97-0	MKCQ3729	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	200.0 µg/mL	+/- 5.1667
11	n-Hexacosane (C26)	630-01-3	MKCV0107	99%	200.0 µg/mL	+/- 5.1667
12	n-Octacosane (C28)	630-02-4	BCCM2091	99%	200.0 µg/mL	+/- 5.1667
13	n-Triacontane (C30)	638-68-6	MKCW9459	99%	200.0 µg/mL	+/- 5.1667
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.0 µg/mL	+/- 5.1667
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.0 µg/mL	+/- 5.1667
16	n-Hexatriacontane (C36)	630-06-8	U30H007	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	200.0 µg/mL	+/- 5.1667



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Catalog No. : 30542 **Lot No.:** A0226411

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 : July 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P14127
P14141
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9/16/25

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%	200.3 µg/mL	+/- 5.1753
2	n-Decane (C10)	124-18-5	SHBS1019	99%	200.3 µg/mL	+/- 5.1753
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.0 µg/mL	+/- 5.1667
4	n-Tetradecane (C14)	629-59-4	STBL2522	99%	200.0 µg/mL	+/- 5.1667
5	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	200.0 µg/mL	+/- 5.1667
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.0 µg/mL	+/- 5.1667
7	n-Eicosane (C20)	112-95-8	MKCN8767	99%	200.0 µg/mL	+/- 5.1667
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.3 µg/mL	+/- 5.1753
9	n-Docosane (C22)	629-97-0	MKCQ3729	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	200.0 µg/mL	+/- 5.1667
11	n-Hexacosane (C26)	630-01-3	MKCV0107	99%	200.0 µg/mL	+/- 5.1667
12	n-Octacosane (C28)	630-02-4	BCCM2091	99%	200.0 µg/mL	+/- 5.1667
13	n-Triacontane (C30)	638-68-6	MKCW9459	99%	200.0 µg/mL	+/- 5.1667
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.0 µg/mL	+/- 5.1667
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.0 µg/mL	+/- 5.1667
16	n-Hexatriacontane (C36)	630-06-8	U30H007	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	200.0 µg/mL	+/- 5.1667



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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 : July 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P14127
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15
9/16/25

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%	200.3 µg/mL	+/- 5.1753
2	n-Decane (C10)	124-18-5	SHBS1019	99%	200.3 µg/mL	+/- 5.1753
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.0 µg/mL	+/- 5.1667
4	n-Tetradecane (C14)	629-59-4	STBL2522	99%	200.0 µg/mL	+/- 5.1667
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6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.0 µg/mL	+/- 5.1667
7	n-Eicosane (C20)	112-95-8	MKCN8767	99%	200.0 µg/mL	+/- 5.1667
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.3 µg/mL	+/- 5.1753
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12	n-Octacosane (C28)	630-02-4	BCCM2091	99%	200.0 µg/mL	+/- 5.1667
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14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.0 µg/mL	+/- 5.1667
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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 : July 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

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9/16/25

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%	200.3 µg/mL	+/- 5.1753
2	n-Decane (C10)	124-18-5	SHBS1019	99%	200.3 µg/mL	+/- 5.1753
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.0 µg/mL	+/- 5.1667
4	n-Tetradecane (C14)	629-59-4	STBL2522	99%	200.0 µg/mL	+/- 5.1667
5	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	200.0 µg/mL	+/- 5.1667
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.0 µg/mL	+/- 5.1667
7	n-Eicosane (C20)	112-95-8	MKCN8767	99%	200.0 µg/mL	+/- 5.1667
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.3 µg/mL	+/- 5.1753
9	n-Docosane (C22)	629-97-0	MKCQ3729	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	200.0 µg/mL	+/- 5.1667
11	n-Hexacosane (C26)	630-01-3	MKCV0107	99%	200.0 µg/mL	+/- 5.1667
12	n-Octacosane (C28)	630-02-4	BCCM2091	99%	200.0 µg/mL	+/- 5.1667
13	n-Triacontane (C30)	638-68-6	MKCW9459	99%	200.0 µg/mL	+/- 5.1667
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.0 µg/mL	+/- 5.1667
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.0 µg/mL	+/- 5.1667
16	n-Hexatriacontane (C36)	630-06-8	U30H007	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	200.0 µg/mL	+/- 5.1667



110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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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. : 30542 **Lot No.:** A0226411

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 : July 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P14127
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15
9/16/25

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%	200.3 µg/mL	+/- 5.1753
2	n-Decane (C10)	124-18-5	SHBS1019	99%	200.3 µg/mL	+/- 5.1753
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.0 µg/mL	+/- 5.1667
4	n-Tetradecane (C14)	629-59-4	STBL2522	99%	200.0 µg/mL	+/- 5.1667
5	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	200.0 µg/mL	+/- 5.1667
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.0 µg/mL	+/- 5.1667
7	n-Eicosane (C20)	112-95-8	MKCN8767	99%	200.0 µg/mL	+/- 5.1667
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.3 µg/mL	+/- 5.1753
9	n-Docosane (C22)	629-97-0	MKCQ3729	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	200.0 µg/mL	+/- 5.1667
11	n-Hexacosane (C26)	630-01-3	MKCV0107	99%	200.0 µg/mL	+/- 5.1667
12	n-Octacosane (C28)	630-02-4	BCCM2091	99%	200.0 µg/mL	+/- 5.1667
13	n-Triacontane (C30)	638-68-6	MKCW9459	99%	200.0 µg/mL	+/- 5.1667
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.0 µg/mL	+/- 5.1667
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.0 µg/mL	+/- 5.1667
16	n-Hexatriacontane (C36)	630-06-8	U30H007	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	200.0 µg/mL	+/- 5.1667



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Catalog No. : 30542 **Lot No.:** A0226411

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 : July 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P14127
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15
9/16/25

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%	200.3 µg/mL	+/- 5.1753
2	n-Decane (C10)	124-18-5	SHBS1019	99%	200.3 µg/mL	+/- 5.1753
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.0 µg/mL	+/- 5.1667
4	n-Tetradecane (C14)	629-59-4	STBL2522	99%	200.0 µg/mL	+/- 5.1667
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6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.0 µg/mL	+/- 5.1667
7	n-Eicosane (C20)	112-95-8	MKCN8767	99%	200.0 µg/mL	+/- 5.1667
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.3 µg/mL	+/- 5.1753
9	n-Docosane (C22)	629-97-0	MKCQ3729	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	200.0 µg/mL	+/- 5.1667
11	n-Hexacosane (C26)	630-01-3	MKCV0107	99%	200.0 µg/mL	+/- 5.1667
12	n-Octacosane (C28)	630-02-4	BCCM2091	99%	200.0 µg/mL	+/- 5.1667
13	n-Triacontane (C30)	638-68-6	MKCW9459	99%	200.0 µg/mL	+/- 5.1667
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.0 µg/mL	+/- 5.1667
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.0 µg/mL	+/- 5.1667
16	n-Hexatriacontane (C36)	630-06-8	U30H007	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	200.0 µg/mL	+/- 5.1667



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Catalog No. : 30542 **Lot No.:** A0226411

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 : July 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P14127
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15
9/16/25

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%	200.3 µg/mL	+/- 5.1753
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3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.0 µg/mL	+/- 5.1667
4	n-Tetradecane (C14)	629-59-4	STBL2522	99%	200.0 µg/mL	+/- 5.1667
5	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	200.0 µg/mL	+/- 5.1667
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.0 µg/mL	+/- 5.1667
7	n-Eicosane (C20)	112-95-8	MKCN8767	99%	200.0 µg/mL	+/- 5.1667
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.3 µg/mL	+/- 5.1753
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10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	200.0 µg/mL	+/- 5.1667
11	n-Hexacosane (C26)	630-01-3	MKCV0107	99%	200.0 µg/mL	+/- 5.1667
12	n-Octacosane (C28)	630-02-4	BCCM2091	99%	200.0 µg/mL	+/- 5.1667
13	n-Triacontane (C30)	638-68-6	MKCW9459	99%	200.0 µg/mL	+/- 5.1667
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.0 µg/mL	+/- 5.1667
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.0 µg/mL	+/- 5.1667
16	n-Hexatriacontane (C36)	630-06-8	U30H007	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	200.0 µg/mL	+/- 5.1667



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Catalog No. : 30542 **Lot No.:** A0226411

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 : July 31, 2032 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

P14127
P14141
15
9/16/25

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%	200.3 µg/mL	+/- 5.1753
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4	n-Tetradecane (C14)	629-59-4	STBL2522	99%	200.0 µg/mL	+/- 5.1667
5	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	200.0 µg/mL	+/- 5.1667
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.0 µg/mL	+/- 5.1667
7	n-Eicosane (C20)	112-95-8	MKCN8767	99%	200.0 µg/mL	+/- 5.1667
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.3 µg/mL	+/- 5.1753
9	n-Docosane (C22)	629-97-0	MKCQ3729	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	200.0 µg/mL	+/- 5.1667
11	n-Hexacosane (C26)	630-01-3	MKCV0107	99%	200.0 µg/mL	+/- 5.1667
12	n-Octacosane (C28)	630-02-4	BCCM2091	99%	200.0 µg/mL	+/- 5.1667
13	n-Triacontane (C30)	638-68-6	MKCW9459	99%	200.0 µg/mL	+/- 5.1667
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.0 µg/mL	+/- 5.1667
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.0 µg/mL	+/- 5.1667
16	n-Hexatriacontane (C36)	630-06-8	U30H007	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	200.0 µg/mL	+/- 5.1667



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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
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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)

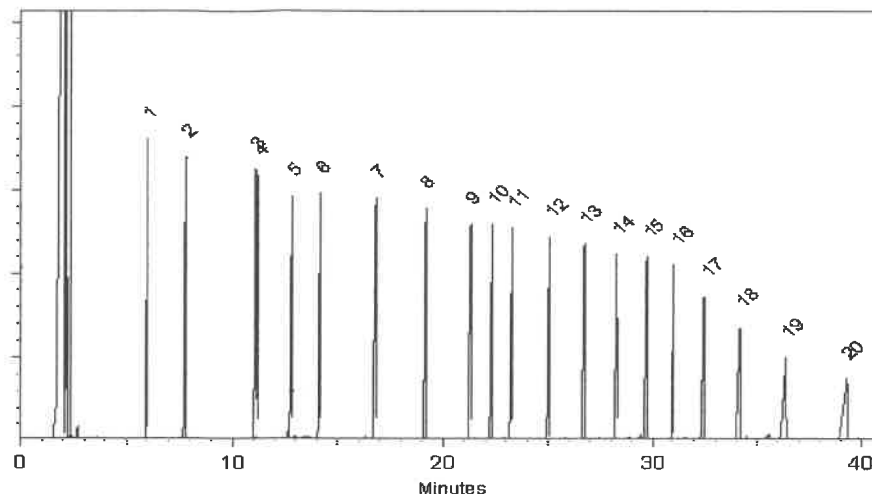
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

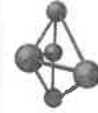
- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- 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

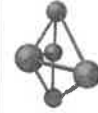
Formulated By:	Anthony Mahoney	040524	DATE
Reviewed By:	Pedro L. Rentas	040524	DATE

P13278
Y.P.
P13287
04/11/24

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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#	LD50
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	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/m2/8H)	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/m3/8H)	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).



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

Formulated By:	Anthony Mahoney	040524	DATE
Reviewed By:	Pedro L. Rentas	040524	DATE

P13278
Y.P.
P13287
04/11/24

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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-Tetraatriacontane	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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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:

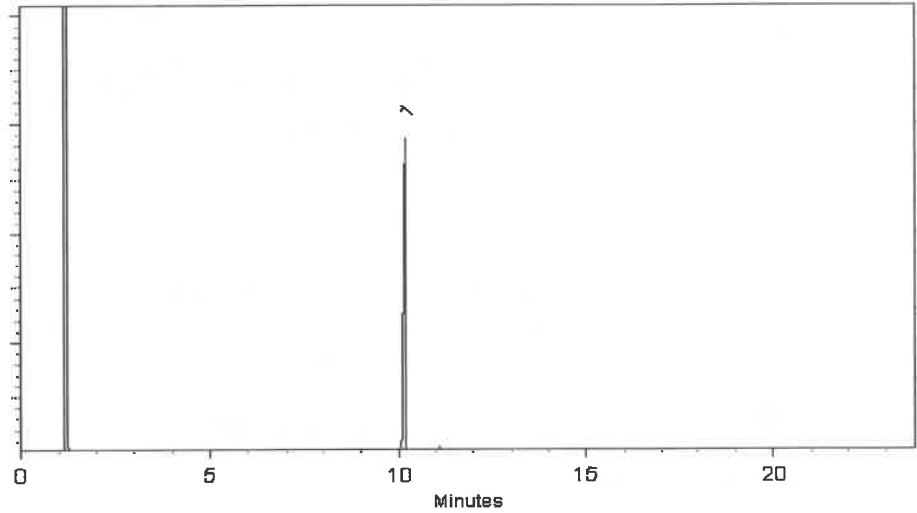
FID

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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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:

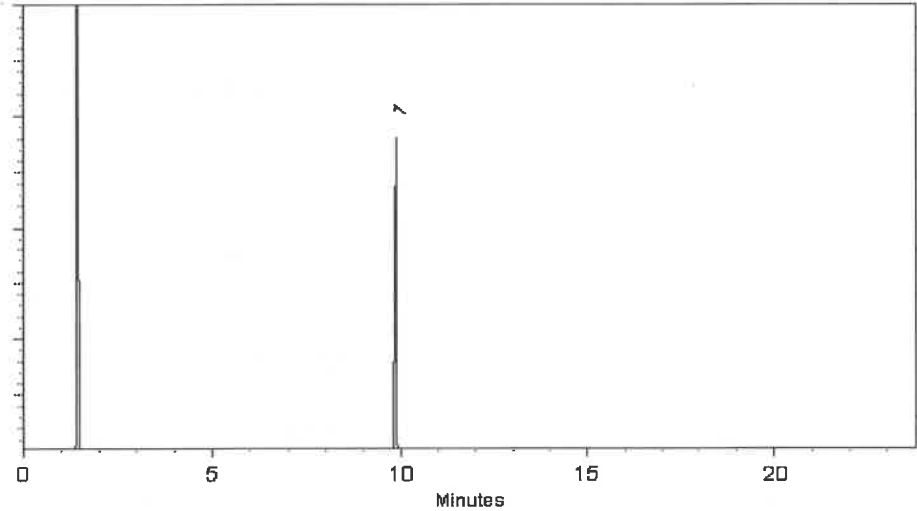
FID

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.



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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.:** A0225485
Description : 1-Chlorooctadecane Standard
1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2032 **Storage:** 10°C or colder
Ship: Ambient

P14028
↓
P14042 } RC/
6/2/25

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	15711200	99%	10,006.8 µg/mL	+/- 562.1814

* 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:

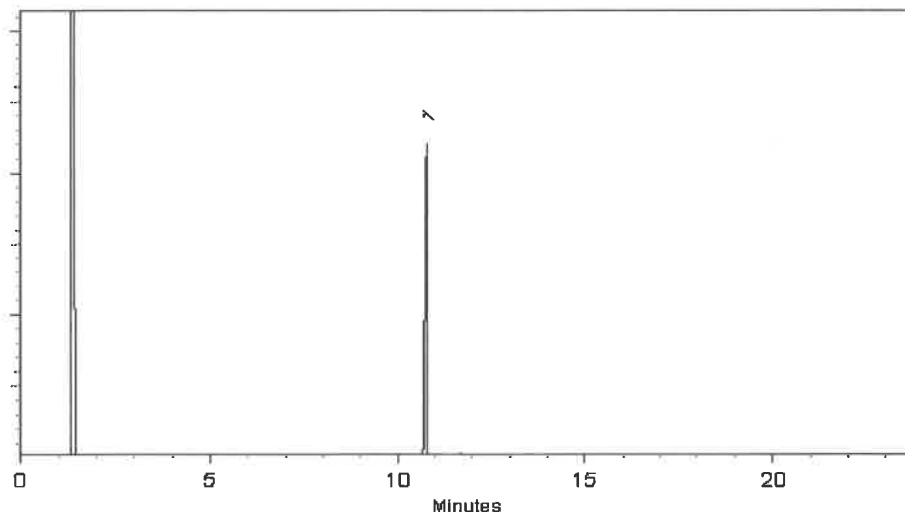
FID

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.

Sam Moodler

Sam Moodler - Operations Tech I

Date Mixed: 08-May-2025

Balance Serial # 1128360905

Brittany Federinko

Brittany Federinko - Operations Tech II

Date Passed: 13-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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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. : 31098 **Lot No.:** A0225485
Description : 1-Chlorooctadecane Standard
1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride,
1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2032 **Storage:** 10°C or colder
Ship: Ambient

P14028
↓
P14042 } RC/
6/2/25

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	15711200	99%	10,006.8 µg/mL	+/- 562.1814

* 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:

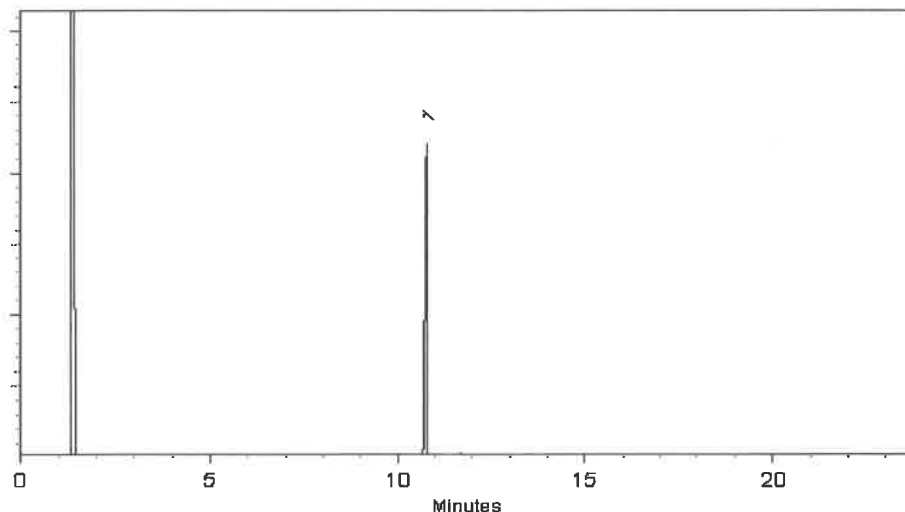
FID

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.

Sam Moodler

Sam Moodler - Operations Tech I

Date Mixed: 08-May-2025

Balance Serial # 1128360905

Brittany Federinko

Brittany Federinko - Operations Tech II

Date Passed: 13-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. : 31098 **Lot No.:** A0225485
Description : 1-Chlorooctadecane Standard
1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride,
1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2032 **Storage:** 10°C or colder
Ship: Ambient

P14028
↓
P14042 } RC/
6/2/25

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	15711200	99%	10,006.8 µg/mL	+/- 562.1814

* 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:

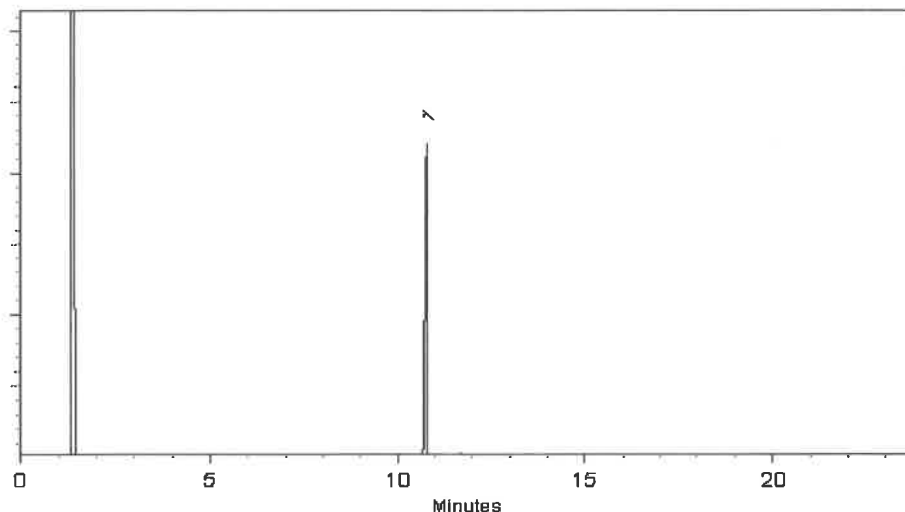
FID

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.

Sam Moodler

Sam Moodler - Operations Tech I

Date Mixed: 08-May-2025

Balance Serial # 1128360905

Brittany Federinko

Brittany Federinko - Operations Tech II

Date Passed: 13-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. : 31098 **Lot No.:** A0225485
Description : 1-Chlorooctadecane Standard
1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride,
1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2032 **Storage:** 10°C or colder
Ship: Ambient

P14028
↓
P14042 } RC/
6/2/25

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	15711200	99%	10,006.8 µg/mL	+/- 562.1814

* 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:

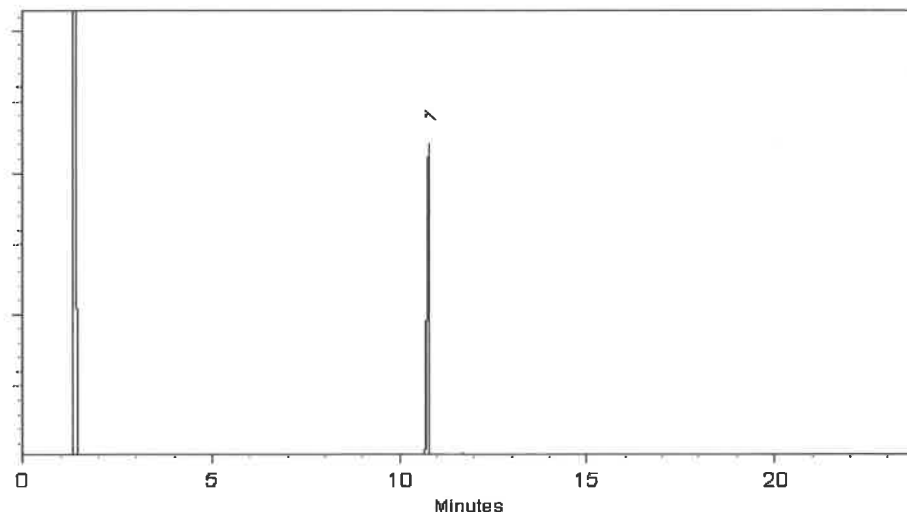
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



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Sam Moodler

Sam Moodler - Operations Tech I

Date Mixed: 08-May-2025

Balance Serial # 1128360905

Brittany Federinko

Brittany Federinko - Operations Tech II

Date Passed: 13-May-2025

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Catalog No. : 31098 **Lot No.:** A0225485
Description : 1-Chlorooctadecane Standard
1-Chlorooctadecane Standard 10,000µg/mL, Methylene Chloride,
1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2032 **Storage:** 10°C or colder
Ship: Ambient

P14028
↓
P14042 } RC/
6/2/25

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	15711200	99%	10,006.8 µg/mL	+/- 562.1814

* 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:

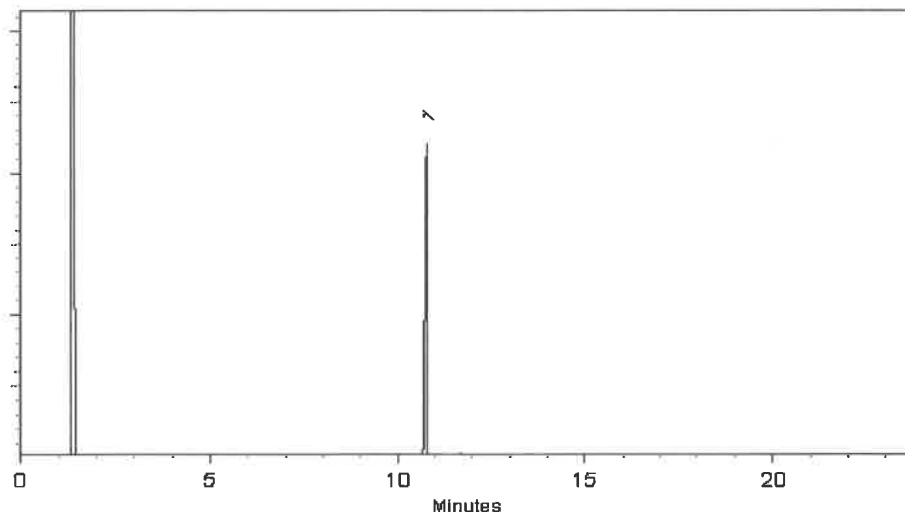
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



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Sam Moodler

Sam Moodler - Operations Tech I

Date Mixed: 08-May-2025

Balance Serial # 1128360905

Brittany Federinko

Brittany Federinko - Operations Tech II

Date Passed: 13-May-2025

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Catalog No. : 31480 **Lot No.:** A0227585

Description : MA Fractionation Surrogate Spike Mix
MA Fractionation Surrogate Spike Mix 4000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorobiphenyl	321-60-8	00024555	99%	4,006.0 µg/mL	+/- 180.4609
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,012.0 µg/mL	+/- 180.7312

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P14170
↓
P14189
/

10/3/2025



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Catalog No. : 31480 **Lot No.:** A0227585

Description : MA Fractionation Surrogate Spike Mix
MA Fractionation Surrogate Spike Mix 4000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorobiphenyl	321-60-8	00024555	99%	4,006.0 µg/mL	+/- 180.4609
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,012.0 µg/mL	+/- 180.7312

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P14170
↓
P14189
/

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Description : MA Fractionation Surrogate Spike Mix
MA Fractionation Surrogate Spike Mix 4000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

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2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,012.0 µg/mL	+/- 180.7312

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P14170
↓
P14189
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MA Fractionation Surrogate Spike Mix 4000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorobiphenyl	321-60-8	00024555	99%	4,006.0 µg/mL	+/- 180.4609
2	2-Bromonaphthalene	580-13-2	STBC5362V	99%	4,012.0 µg/mL	+/- 180.7312

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P14170
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P14189
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Catalog No. : 30543 **Lot No.:** A0231145

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 : September 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

Handwritten: P14195 } (40)
↓
P14234
RAU
10/21/25

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%	200.7 µg/mL	+/- 9.0431
2	Naphthalene	91-20-3	STBK9311	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	200.6 µg/mL	+/- 9.0402
5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	201.1 µg/mL	+/- 9.0608
7	Phenanthrene	85-01-8	MKCV8193	99%	200.4 µg/mL	+/- 9.0294
8	Anthracene	120-12-7	MKCV9141	99%	201.2 µg/mL	+/- 9.0655
9	Fluoranthene	206-44-0	A0458721	99%	200.8 µg/mL	+/- 9.0474
10	Pyrene	129-00-0	BCCL8032	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I80012022BAA	99%	200.8 µg/mL	+/- 9.0474
12	Chrysene	218-01-9	RP250926RSR	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.8 µg/mL	+/- 9.0474
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.2 µg/mL	+/- 9.0655
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	17-YMK-40-2	99%	200.8 µg/mL	+/- 9.0474



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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. : 30543 **Lot No.:** A0231145

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 : September 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P14195 } (40)
↓
P14234
↓
RAU
10/21/25

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%	200.7 µg/mL	+/- 9.0431
2	Naphthalene	91-20-3	STBK9311	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	200.6 µg/mL	+/- 9.0402
5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	201.1 µg/mL	+/- 9.0608
7	Phenanthrene	85-01-8	MKCV8193	99%	200.4 µg/mL	+/- 9.0294
8	Anthracene	120-12-7	MKCV9141	99%	201.2 µg/mL	+/- 9.0655
9	Fluoranthene	206-44-0	A0458721	99%	200.8 µg/mL	+/- 9.0474
10	Pyrene	129-00-0	BCCL8032	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I80012022BAA	99%	200.8 µg/mL	+/- 9.0474
12	Chrysene	218-01-9	RP250926RSR	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.8 µg/mL	+/- 9.0474
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.2 µg/mL	+/- 9.0655
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	17-YMK-40-2	99%	200.8 µg/mL	+/- 9.0474



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Catalog No. : 30543 **Lot No.:** A0231145

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 : September 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P14195 } (40)
↓
P14234
↓
RAUF
10/21/25

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%	200.7 µg/mL	+/- 9.0431
2	Naphthalene	91-20-3	STBK9311	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	200.6 µg/mL	+/- 9.0402
5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	201.1 µg/mL	+/- 9.0608
7	Phenanthrene	85-01-8	MKCV8193	99%	200.4 µg/mL	+/- 9.0294
8	Anthracene	120-12-7	MKCW9141	99%	201.2 µg/mL	+/- 9.0655
9	Fluoranthene	206-44-0	A0458721	99%	200.8 µg/mL	+/- 9.0474
10	Pyrene	129-00-0	BCCL8032	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I80012022BAA	99%	200.8 µg/mL	+/- 9.0474
12	Chrysene	218-01-9	RP250926RSR	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.8 µg/mL	+/- 9.0474
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.2 µg/mL	+/- 9.0655
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	17-YMK-40-2	99%	200.8 µg/mL	+/- 9.0474



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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. : 30543 **Lot No.:** A0231145

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 : September 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P14195 } (40)
↓
P14234
↓
RAU
10/21/25

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%	200.7 µg/mL	+/- 9.0431
2	Naphthalene	91-20-3	STBK9311	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	200.6 µg/mL	+/- 9.0402
5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
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8	Anthracene	120-12-7	MKCW9141	99%	201.2 µg/mL	+/- 9.0655
9	Fluoranthene	206-44-0	A0458721	99%	200.8 µg/mL	+/- 9.0474
10	Pyrene	129-00-0	BCCL8032	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I80012022BAA	99%	200.8 µg/mL	+/- 9.0474
12	Chrysene	218-01-9	RP250926RSR	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.8 µg/mL	+/- 9.0474
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.2 µg/mL	+/- 9.0655
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	17-YMK-40-2	99%	200.8 µg/mL	+/- 9.0474



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Catalog No. : 30543 **Lot No.:** A0231145

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 : September 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P14195 } (40)
↓
P14234
↓
RAU
10/21/25

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%	200.7 µg/mL	+/- 9.0431
2	Naphthalene	91-20-3	STBK9311	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
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5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	201.1 µg/mL	+/- 9.0608
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11	Benz(a)anthracene	56-55-3	I80012022BAA	99%	200.8 µg/mL	+/- 9.0474
12	Chrysene	218-01-9	RP250926RSR	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.8 µg/mL	+/- 9.0474
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.2 µg/mL	+/- 9.0655
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	17-YMK-40-2	99%	200.8 µg/mL	+/- 9.0474



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. : 30543 **Lot No.:** A0231145

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 : September 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

P14195 } (40)
↓
P14234
↓
RAU
10/21/25

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%	200.7 µg/mL	+/- 9.0431
2	Naphthalene	91-20-3	STBK9311	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
4	Acenaphthylene	208-96-8	214935V18H	95%	200.6 µg/mL	+/- 9.0402
5	Acenaphthene	83-32-9	MKCV8166	99%	200.0 µg/mL	+/- 9.0114
6	Fluorene	86-73-7	10246250	98%	201.1 µg/mL	+/- 9.0608
7	Phenanthrene	85-01-8	MKCV8193	99%	200.4 µg/mL	+/- 9.0294
8	Anthracene	120-12-7	MKCW9141	99%	201.2 µg/mL	+/- 9.0655
9	Fluoranthene	206-44-0	A0458721	99%	200.8 µg/mL	+/- 9.0474
10	Pyrene	129-00-0	BCCL8032	99%	200.8 µg/mL	+/- 9.0474
11	Benz(a)anthracene	56-55-3	I80012022BAA	99%	200.8 µg/mL	+/- 9.0474
12	Chrysene	218-01-9	RP250926RSR	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.8 µg/mL	+/- 9.0474
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.2 µg/mL	+/- 9.0655
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	17-YMK-40-2	99%	200.8 µg/mL	+/- 9.0474



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NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

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Expiration Date : September 30, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

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RAU
10/21/25

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n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantor**™



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

W3234 88
OP4H1. 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

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Remington Vernick Engineering
ADDRESS: 2059 Sprydale Road
CITY: Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Kyle Carlson @ RVE.com
PHONE: 609-682-3049 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Saddler Property
PROJECT NO.: 04002003 LOCATION: Camden, NJ
PROJECT MANAGER: Kyle Carlson
e-mail: Kyle.Carlson@RVE.com
PHONE: 609-682-3049 FAX:

CLIENT BILLING INFORMATION

BILL TO: AP Invoices @ RVE.com PO#: 04002003
ADDRESS: 2059 Sprydale Road
CITY: Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Kyle Carlson PHONE: 609-682-3049

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

TAL/TCL/3049
Cyanide
EPH Cat 2 (non-fuel)
VOCs
BNA + 15
PCBs + TAL Method
TAL Method (MC)
EPH Cat 1

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		E		E	F	E	E		E		
1.	SB-1125-23	Soil		X	11/26/25	850	7	3		1	3						F-Encore Samples
2.	SB-1125-19	Soil		X	11/25/25	855	7	3		1	3						
3.	SB-1125-8	Soil		X	11/25/25	930	6				3	1	1		1		See Below Comments *
4.	SB-1125-9	Soil		X	11/25/25	935	6				3	1	1		1		See Below Comments *
5.	~~SB-1125-8~~ (MC)	~~Soil~~		~~X~~	~~11/25/25~~	~~930~~	~~6~~				~~3~~						
6.	SB-1125-21	Soil		X	11/25/25	1105	7	3		1	3						
7.	SB-1125-13	Soil		X	11/25/25	1115	7	3		1	3						
8.	SB-1125-18	Soil		X	11/25/25	1125	7	3		1	3						
9.	SB-1125-20	Soil		X	11/25/25	1205	7	3		1	3						
10.	SB-1125-22	Soil		X	11/25/25	1245	7	3		1	3						

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP
1. <u>Mario Carilli @ RVE</u>	<u>11/26/25 11:40</u>	<u>[Signature]</u> <u>11-26-25</u>	Comments: <u>* For Samples SB-1125-8 and SB-1125-9 Run ALL Analysis, but only Report EPH First then if EPH is detected RVE will choose to report Remaining Parameters.</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. <u>[Signature]</u>	<u>11-26-25</u>	3.	

CLIENT INFORMATION

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PHONE: 609-682-3049 FAX:

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PROJECT NO. 04002003 LOCATION: Camden, NJ
PROJECT MANAGER: Kyle Carlson
e-mail: Kyle.Carlson@RVE.com
PHONE: 609-682-3049 FAX:

CLIENT BILLING INFORMATION

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+ Raw Data ☐ Other _____
☒ EDD FORMAT NJ Hazsite

TAL/TEL 200 2000
EPH Car 2 Nbr Field
VOCs
EPH Car 1

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		E	E	F	E						
1.	SB-1125-2	Soil		X	11/25/25	1305	7	3	1	3	1						F = Encores
2.	SB-1125-3A	Soil		X	11/25/25	1330					1						
3.	SB-1125-3B	Soil		X	11/25/25	1335					1						
4.	SB-1125-3C	Soil		X	11/25/25	1340					1						
5.	SB-1125-3D	Soil		X	11/25/25	1355					1						
6.	SB-1125-3E	Soil		X	11/25/25	1355					1						
7.	SB-1125-1	Soil		X	11/25/25	1430	7	3	1	3							
8.	SB-1125-25	Soil		X	11/25/25	1430	7	3	1	3							
9.	SB-1125-24	Soil		X	11/25/25	1505	7	3	1	3							
10.																	

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

RELINQUISHED BY SAMPLER: 1. <u>Marco Carillo @ RVE</u>	DATE/TIME: <u>11/26/25 12PM</u>	RECEIVED BY: <u>[Signature]</u> <u>1640</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>2.5</u> °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>11-26-25</u>	RECEIVED BY: 3.	

Page 2 of 2 CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
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 : Q3742 REMI01

Order Date : 12/1/2025 9:06:00 AM

Project Mgr :

Client Name : Remington & Vernick

Project Name : Sadler Property

Report Type : Level 1

Client Contact : Justin Zarzecki

Receive DateTime : 11/26/2025 6:20:00 PM

EDD Type : EXCEL NJCLEANUP

Invoice Name : Remington & Vernick

Purchase Order :

Hard Copy Date :

Invoice Contact : Justin Zarzecki

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3742-01	SB-1125-23	Solid	11/25/6025	08:50					
					VOC-TCLVOA-10	TCL+30/TAL	8260C	10 Bus. Days	
Q3742-02	SB-1125-19	Solid	11/25/2025	08:55					
					VOC-TCLVOA-10	TCL+30/TAL	8260C	10 Bus. Days	
Q3742-03	SB-1125-8	Solid	11/25/2025	09:30					
					VOC-TCLVOA-10	TCL+30/TAL	8260C	10 Bus. Days	
Q3742-04	SB-1125-9	Solid	11/25/2025	09:35					
					VOC-TCLVOA-10	TCL+30/TAL	8260C	10 Bus. Days	
Q3742-05	SB-1125-21	Solid	11/25/2025	11:05					
					VOC-TCLVOA-10	TCL+30/TAL	8260C	10 Bus. Days	
Q3742-06	SB-1125-13	Solid	11/25/2025	11:15					
					VOC-TCLVOA-10	TCL+30/TAL	8260C	10 Bus. Days	
Q3742-07	SB-1125-18	Solid	11/25/2025	11:25					
					VOC-TCLVOA-10	TCL+30/TAL	8260C	10 Bus. Days	
Q3742-08	SB-1125-20	Solid	11/25/2025	12:05					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3742 REMI01

Order Date : 12/1/2025 9:06:00 AM

Project Mgr :

Client Name : Remington & Vernick

Project Name : Sadler Property

Report Type : Level 1

Client Contact : Justin Zarzecki

Receive DateTime : 11/26/2025 6:20:00 PM

EDD Type : EXCEL NJCLEANUP

Invoice Name : Remington & Vernick

Purchase Order :

Hard Copy Date :

Invoice Contact : Justin Zarzecki

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3742-09	SB-1125-22	Solid	11/25/2025	12:45	VOC-TCLVOA-10	TCL+30/TAL	8260C	10 Bus. Days	
Q3742-10	SB-1125-2	Solid	11/25/2025	13:05	VOC-TCLVOA-10	TCL+30/TAL	8260C	10 Bus. Days	
Q3742-16	SB-1125-1	Solid	11/25/2025	14:30	VOC-TCLVOA-10	TCL+30/TAL	8260C	10 Bus. Days	
Q3742-17	SB-1125-25	Solid	11/25/2025	14:30	VOC-TCLVOA-10	TCL+30/TAL	8260C	10 Bus. Days	
Q3742-18	SB-1125-24	Solid	11/25/2025	15:05	VOC-TCLVOA-10	TCL+30/TAL	8260C	10 Bus. Days	

Relinquished By : CP

Date / Time : 12/1/25 11:05

Received By : Sam

Date / Time : 12/01/25 11:05

Storage Area : VOA Refridgerator Room