

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: Q3661	OrderDate: 11/17/2025 2:41:00 PM
Client: Sciacca General Contractors, LLC	Project: 186 Arlington Blvd, North Arlington
Contact: Rosanne Scirica	Location: A11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3661-01	WASTE	SOIL	TPH GC	8015D	11/17/25	11/20/25	11/20/25	11/17/25
Q3661-03	1	Solid	EPH_F2	NJEPH	11/17/25	11/25/25	11/26/25	11/17/25
Q3661-04	2	Solid	EPH_F2	NJEPH	11/17/25	11/25/25	11/26/25	11/17/25
Q3661-05	3	Solid	EPH_F2	NJEPH	11/17/25	11/25/25	11/26/25	11/17/25
Q3661-06	4	Solid	EPH_F2	NJEPH	11/17/25	11/25/25	11/26/25	11/17/25
Q3661-07	5	Solid	EPH_F2	NJEPH	11/17/25	11/25/25	11/26/25	11/17/25



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: SCIA01
Lab Code: ACE SDG No.: Q3661
Run Number: FE112525AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB170727BL	47	59		0
PB170727BS	63	71		0
PB170727BSD	55	62		0
1	30 *	37 *		2
2	37 *	47		1
3	31 *	39 *		2
4	35 *	43		1
5	48	59		0
5MS	49	57		0
5MSD	50	57		0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

D Surrogate diluted out

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: SCIA01
Lab Code: ACE SDG No.: Q3661
Run Number: FE112625AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
1RE	31 *	37 *		2
2RE	37 *	47		1
3RE	31 *	38 *		2
4RE	35 *	42		1

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

D Surrogate diluted out

SOIL EPH SURROGATE RECOVERY

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

D Surrogate diluted out

SOLID EPH_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Sciacca General Contractors, LLC</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3661</u>
Sample No :	<u>Q3661-07MS</u>	Datafile:	<u>FE057032.D</u>
		Client ID :	<u>5MS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	38.6	7.85	41.2	86		(40-140)
Aliphatic C9-C28	128.6	10.8	98.5	68		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	4.3	0.0041	3.2182	75		(40-140)
n-Decane (C10)	4.3	0.0060	7.2389	168	*	(40-140)
Naphthalene (C11.7)	4.3	0.0077	3.6675	85		(40-140)
n-Dodecane (C12)	4.3	0.0022	3.4394	80		(40-140)
2-methylnaphthalene (C12.89)	4.3	0.0037	3.4067	79		(40-140)
n-Tetradecane (C14)	4.3	0.0088	3.4109	79		(40-140)
n-Hexadecane (C16)	4.3	0.0949	3.2968	74		(40-140)
n-Octadecane (C18)	4.3	0.0090	3.1339	73		(40-140)
n-Eicosane (C20)	4.3	0.0647	3.2214	73		(40-140)
n-Heneicosane (C21)	4.3	0.1335	3.2756	73		(40-140)
n-Docosane (C22)	4.3	0.2724	3.4259	73		(40-140)
n-Tetracosane (C24)	8.6	0.2727	9.9075	112		(40-140)
n-Hexacosane (C26)	4.3	0.0363	2.9091	67		(40-140)
n-Octacosane (C28)	4.3	0.0648	3.1099	71		(40-140)
n-Tricontane (C30)	4.3	0.0474	2.7546	63		(40-140)
n-Dotriacontane (C32)	4.3	0.0936	2.8531	64		(40-140)
n-Tetratriacontane (C34)	4.3	0.0674	3.1347	71		(40-140)
n-Hexatriacontane (C36)	4.3	0.2713	3.9519	86		(40-140)
n-Octatriacontane (C38)	4.3	0.2604	4.8360	106		(40-140)
n-Tetracontane (C40)	4.3	0.0940	4.8456	111		(40-140)

SOLID EPH_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Sciacca General Contractors, LLC</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3661</u>
Sample No :	<u>Q3661-07MSD</u>	Datafile:	<u>FE057033.D</u>
		Client ID :	<u>5MSD</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%) QC Limit Of RPD
Aliphatic C28-C40	38.5	7.85	41.5	87		0.92 (40-140) 50
Aliphatic C9-C28	128.5	10.8	98.1	68		0.4 (40-140) 50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%) QC Limit Of RPD
n-Nonane (C9)	4.3	0.0041	3.2192	75		0 (40-140) 50
n-Decane (C10)	4.3	0.0060	7.2146	168	*	0 (40-140) 50
Naphthalene (C11.7)	4.3	0.0077	3.6466	85		0 (40-140) 50
n-Dodecane (C12)	4.3	0.0022	3.4166	79		1.26 (40-140) 50
2-methylnaphthalene (C12.89)	4.3	0.0037	3.3769	78		1.27 (40-140) 50
n-Tetradecane (C14)	4.3	0.0088	3.3943	79		0 (40-140) 50
n-Hexadecane (C16)	4.3	0.0949	3.2829	74		0 (40-140) 50
n-Octadecane (C18)	4.3	0.0090	3.1173	72		1.38 (40-140) 50
n-Eicosane (C20)	4.3	0.0647	3.2111	73		0 (40-140) 50
n-Heneicosane (C21)	4.3	0.1335	3.2648	73		0 (40-140) 50
n-Docosane (C22)	4.3	0.2724	3.4109	73		0 (40-140) 50
n-Tetracosane (C24)	8.6	0.2727	9.8795	112		0 (40-140) 50
n-Hexacosane (C26)	4.3	0.0363	2.9009	67		0 (40-140) 50
n-Octacosane (C28)	4.3	0.0648	3.1154	71		0 (40-140) 50
n-Tricontane (C30)	4.3	0.0474	2.7315	62		1.6 (40-140) 50
n-Dotriacontane (C32)	4.3	0.0936	2.8575	64		0 (40-140) 50
n-Tetratriacontane (C34)	4.3	0.0674	3.1251	71		0 (40-140) 50
n-Hexatriacontane (C36)	4.3	0.2713	3.9269	85		1.17 (40-140) 50
n-Octatriacontane (C38)	4.3	0.2604	4.7488	104		1.9 (40-140) 50
n-Tetracontane (C40)	4.3	0.0940	4.8198	110		0.9 (40-140) 50

SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Sciacca General Contractors, LLC</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3661</u>
Sample No :	<u>PB170727BS</u>	Datafile:	<u>FE057025.D</u>
		Client ID :	<u>PB170727BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	30.0	24.8	83		(40-140)
Aliphatic C9-C28	99.9	68.3	69		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	2.26616	69		(40-140)
n-Decane (C10)	3.3	2.39264	73		(40-140)
Naphthalene (C11.7)	3.3	2.65352	80		(40-140)
n-Dodecane (C12)	3.3	2.49549	76		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.41713	73		(40-140)
n-Tetradecane (C14)	3.3	2.52521	77		(40-140)
n-Hexadecane (C16)	3.3	2.39904	73		(40-140)
n-Octadecane (C18)	3.3	2.32508	70		(40-140)
n-Eicosane (C20)	3.3	2.45714	74		(40-140)
n-Heneicosane (C21)	3.3	2.43838	74		(40-140)
n-Docosane (C22)	3.3	2.37005	72		(40-140)
n-Tetracosane (C24)	6.7	4.94705	74		(40-140)
n-Hexacosane (C26)	3.3	2.25891	68		(40-140)
n-Octacosane (C28)	3.3	2.37824	72		(40-140)
n-Tricontane (C30)	3.3	2.12839	64		(40-140)
n-Dotriacontane (C32)	3.3	2.19938	67		(40-140)
n-Tetratriacontane (C34)	3.3	2.32866	71		(40-140)
n-Hexatriacontane (C36)	3.3	2.49048	75		(40-140)
n-Octatriacontane (C38)	3.3	2.56541	78		(40-140)
n-Tetracontane (C40)	3.3	2.66696	81		(40-140)

SOLID EPH_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>Sciacca General Contractors, LLC</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3661</u>
Sample No :	<u>PB170727BSD</u>	Datafile:	<u>FE057026.D</u>
		Client ID :	<u>PB170727BSD</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%) QC Limit Of RPD
Aliphatic C28-C40	30.0	21.5	72		14.2 (40-140) 25
Aliphatic C9-C28	99.9	60.8	62		11.5 (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	2.07015	63		9.09 (40-140) 25
n-Decane (C10)	3.3	2.14253	65		11.59 (40-140) 25
Naphthalene (C11.7)	3.3	2.39464	73		9.15 (40-140) 25
n-Dodecane (C12)	3.3	2.25342	68		11.11 (40-140) 25
2-methylnaphthalene (C12.89)	3.3	2.21193	67		8.57 (40-140) 25
n-Tetradecane (C14)	3.3	2.29422	70		9.52 (40-140) 25
n-Hexadecane (C16)	3.3	2.15787	65		11.59 (40-140) 25
n-Octadecane (C18)	3.3	2.09144	63		10.53 (40-140) 25
n-Eicosane (C20)	3.3	2.12688	64		14.49 (40-140) 25
n-Heneicosane (C21)	3.3	2.12172	64		14.49 (40-140) 25
n-Docosane (C22)	3.3	2.05717	62		14.93 (40-140) 25
n-Tetracosane (C24)	6.7	4.39166	66		11.43 (40-140) 25
n-Hexacosane (C26)	3.3	1.95672	59		14.17 (40-140) 25
n-Octacosane (C28)	3.3	2.04268	62		14.93 (40-140) 25
n-Tricontane (C30)	3.3	1.89236	57		11.57 (40-140) 25
n-Dotriacontane (C32)	3.3	1.99182	60		11.02 (40-140) 25
n-Tetratriacontane (C34)	3.3	2.09998	64		10.37 (40-140) 25
n-Hexatriacontane (C36)	3.3	2.12973	65		14.29 (40-140) 25
n-Octatriacontane (C38)	3.3	2.04846	62		22.86 (40-140) 25
n-Tetracontane (C40)	3.3	1.89850	58		33.09 (40-140) 25

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB170727BL

Lab Name: Alliance

Contract: SCIA01

Lab Code: ACE

SDG NO.: Q3661

Instrument ID: FID_E

Lab Sample ID: PB170727BL

Matrix: (soil/water) Solid

Date Extracted: 11/25/2025 9:05:00

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB170727BS	PB170727BS
PB170727BSD	PB170727BSD
1	Q3661-03
2	Q3661-04
3	Q3661-05
4	Q3661-06
5	Q3661-07
5MS	Q3661-07MS
5MSD	Q3661-07MSD

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	11/17/25
Project:	186 Arlington Blvd, North Arlington	Date Received:	11/17/25
Client Sample ID:	1	SDG No.:	Q3661
Lab Sample ID:	Q3661-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.5
Sample Wt/Vol:	30.06 g	Test:	EPH_F2
Prep Method :	Final Vol: 2000 uL Prep Date : 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C28	Aliphatic C9-C28	9.72		1	1.20	5.28	mg/kg	FE057027.D	11/26/25 1:48	PB170727
Total EPH	Total EPH	9.72			1.20	5.28	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	11/17/25
Project:	186 Arlington Blvd, North Arlington	Date Received:	11/17/25
Client Sample ID:	1	SDG No.:	Q3661
Lab Sample ID:	Q3661-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.5
Sample Wt/Vol:	30.06 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_F2
	Prep Date	11/25/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	9.72	1		1.20	5.28	mg/kg	11/26/25	PB170727
Aliphatic C28-C40	Aliphatic C28-C40	8.66	1		1.56	2.64	mg/kg	11/26/25	PB170727
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	15.2			40 - 140	30%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	18.7			40 - 140	37%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3661-03	Acq On:	26 Nov 2025 01:48
Client Sample ID:	1	Operator:	YP\AJ
Data file:	FE057027.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	3.205	6.828	366731	2.143	300	ug/ml
Aliphatic C12-C16	6.829	10.273	1033434	5.781	200	ug/ml
Aliphatic C16-C21	10.274	13.645	4516955	24.219	300	ug/ml
Aliphatic C21-C28	13.646	17.314	15077517	78.217	400	ug/ml
Aliphatic C28-C40	17.315	22.241	15652796	98.251	600	ug/ml
Aliphatic EPH	3.205	22.241	36647433	208.61		ug/ml
ortho-Terphenyl (SURR)	11.942	11.942	3910426	18.72		ug/ml
1-chlorooctadecane (SURR)	13.380	13.380	2445758	15.18		ug/ml
Aliphatic C9-C28	3.205	17.314	20994637	110.36	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
 Data File : FE057027.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 01:48
 Operator : YP\AJ
 Sample : Q3661-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 1

Integration File: sample.E
 Quant Time: Nov 26 04:16:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 18 13:37:28 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	3910426	18.718 ug/ml
Spiked Amount 50.000		Recovery =	37.44%
12) S 1-chlorooctadecane (S...	13.380	2445758	15.180 ug/ml
Spiked Amount 50.000		Recovery =	30.36%

Target Compounds

(f)=RT Delta > 1/2 Window

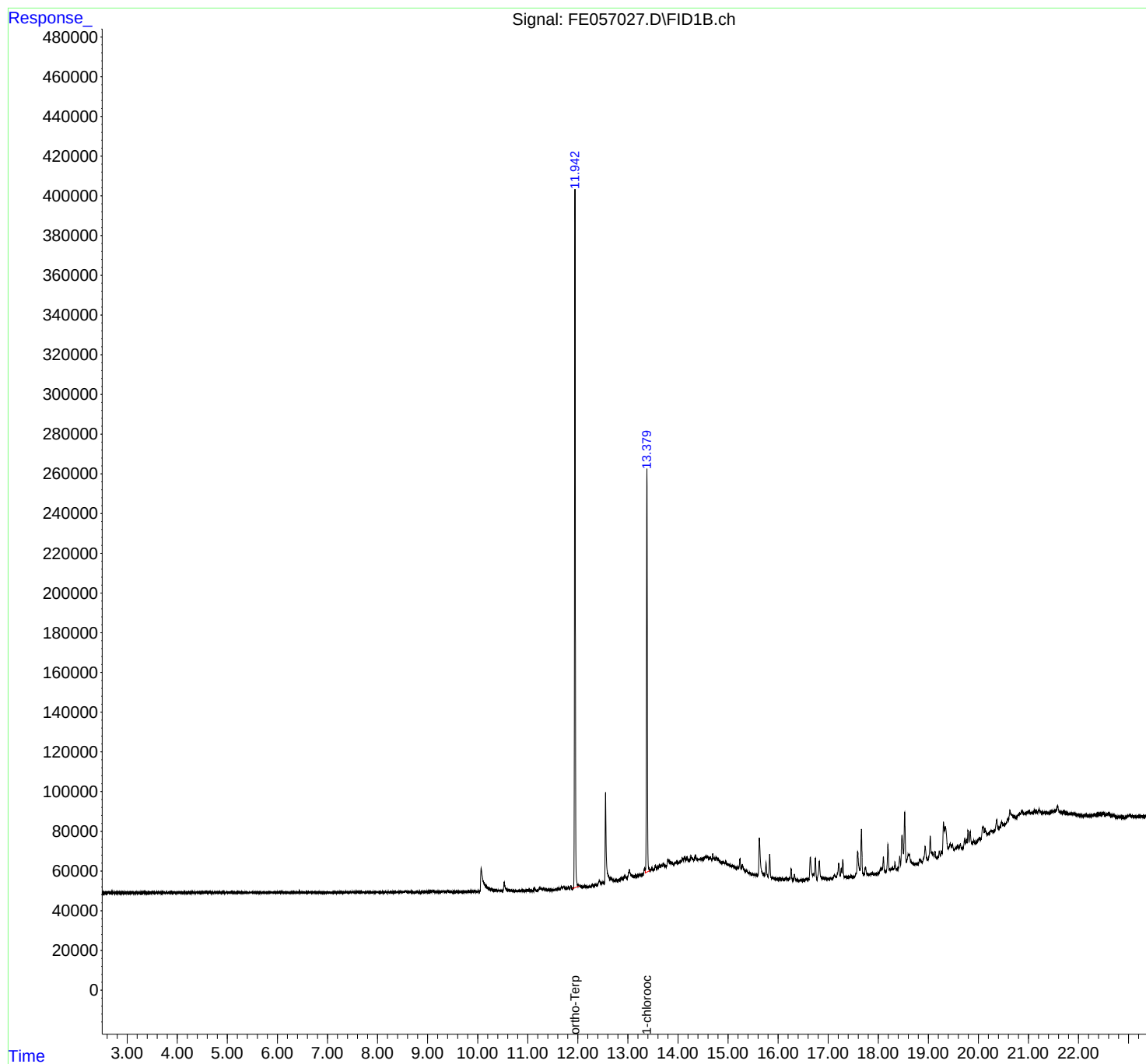
(m)=manual int.

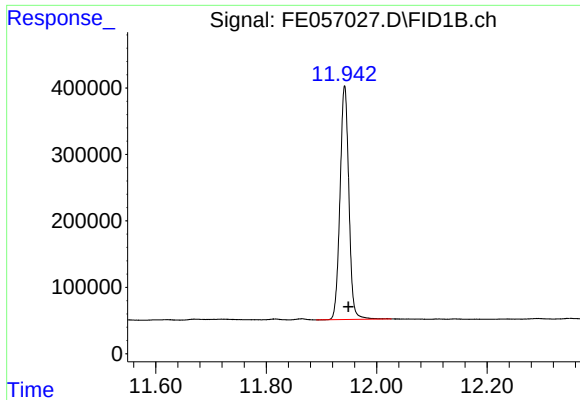
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
Data File : FE057027.D
Signal(s) : FID1B.ch
Acq On : 26 Nov 2025 01:48
Operator : YP\AJ
Sample : Q3661-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
1

Integration File: sample.E
Quant Time: Nov 26 04:16:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

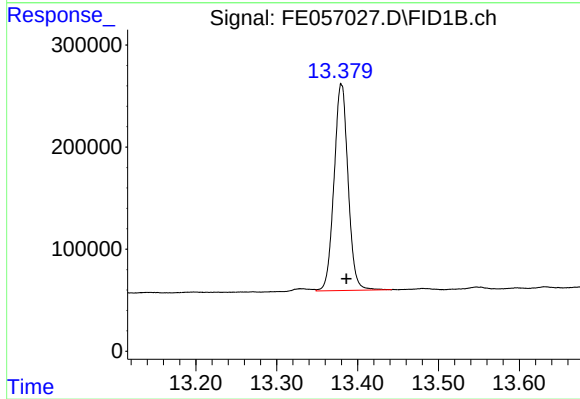




#9 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: -0.006 min
Response: 3910426
Conc: 18.72 ug/ml

Instrument :
FID_E
ClientSampleId :
1



#12 1-chlorooctadecane (SURR)

R.T.: 13.380 min
Delta R.T.: -0.006 min
Response: 2445758
Conc: 15.18 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
Data File : FE057027.D
Signal(s) : FID1B.ch
Acq On : 26 Nov 2025 01:48
Sample : Q3661-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.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	2.695	2.641	2.768	BV	620	8394	0.21%	0.019%
2	2.810	2.768	2.838	PV	162	3335	0.08%	0.008%
3	2.851	2.838	2.877	VV	114	1908	0.05%	0.004%
4	2.894	2.877	2.904	VV	104	1031	0.03%	0.002%
5	2.932	2.904	2.941	PV	92	1345	0.03%	0.003%
6	2.948	2.941	2.981	VV	112	1652	0.04%	0.004%
7	2.995	2.981	3.037	VV	154	3250	0.08%	0.007%
8	3.049	3.037	3.061	VV	114	1510	0.04%	0.003%
9	3.098	3.061	3.155	VV	238	8828	0.22%	0.020%
10	3.167	3.155	3.188	VV	169	2850	0.07%	0.006%
11	3.192	3.188	3.199	VV	168	873	0.02%	0.002%
12	3.219	3.199	3.226	VV	150	2025	0.05%	0.005%
13	3.232	3.226	3.238	VV	149	855	0.02%	0.002%
14	3.258	3.238	3.287	VV	197	4702	0.12%	0.011%
15	3.302	3.287	3.378	VV	248	9807	0.24%	0.022%
16	3.388	3.378	3.404	VV	177	2598	0.06%	0.006%
17	3.418	3.404	3.431	VV	194	2560	0.06%	0.006%
18	3.444	3.431	3.468	VV	201	3902	0.10%	0.009%
19	3.489	3.468	3.511	VV	266	5456	0.13%	0.012%
20	3.520	3.511	3.581	VV	318	9307	0.23%	0.021%
21	3.604	3.581	3.615	VV	305	4849	0.12%	0.011%
22	3.628	3.615	3.638	VV	242	3182	0.08%	0.007%
23	3.657	3.638	3.688	VV	423	8493	0.21%	0.019%
24	3.699	3.688	3.711	VV	227	2749	0.07%	0.006%
25	3.722	3.711	3.738	VV	257	3480	0.09%	0.008%
26	3.745	3.738	3.756	VV	260	2471	0.06%	0.006%
27	3.775	3.756	3.801	VV	272	6466	0.16%	0.015%
28	3.811	3.801	3.820	VV	260	2755	0.07%	0.006%
29	3.834	3.820	3.884	VV	310	9331	0.23%	0.021%
30	3.901	3.884	3.946	VV	328	9421	0.23%	0.021%
31	3.972	3.946	4.017	VV	292	10416	0.26%	0.023%
32	4.030	4.017	4.040	VV	336	3776	0.09%	0.009%
33	4.058	4.040	4.079	VV	358	6398	0.16%	0.014%
34	4.086	4.079	4.093	VV	291	2203	0.05%	0.005%
35	4.121	4.093	4.153	VV	346	10366	0.26%	0.023%
36	4.158	4.153	4.196	VV	257	4108	0.10%	0.009%

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37	4.247	4.196	4.261	PV	303	8441	0.21%	0.019%
38	4.266	4.261	4.272	VV	352	1880	0.05%	0.004%
39	4.308	4.272	4.345	VV	342	12373	0.31%	0.028%
40	4.351	4.345	4.395	VV	371	8970	0.22%	0.020%
41	4.401	4.395	4.416	VV	365	4016	0.10%	0.009%
42	4.444	4.416	4.501	VV	320	14415	0.36%	0.032%
43	4.516	4.501	4.529	VV	306	4618	0.11%	0.010%
44	4.556	4.529	4.588	VV	389	10655	0.26%	0.024%
45	4.590	4.588	4.632	VV	320	6686	0.17%	0.015%
46	4.642	4.632	4.651	VV	285	2893	0.07%	0.007%
47	4.660	4.651	4.700	VV	244	5810	0.14%	0.013%
48	4.742	4.700	4.812	VV	303	13297	0.33%	0.030%
49	4.838	4.812	4.866	VV	203	5087	0.13%	0.011%
50	4.876	4.866	4.945	VV	215	6873	0.17%	0.015%
51	4.956	4.945	4.979	VV	190	3047	0.08%	0.007%
52	4.985	4.979	5.018	VV	184	3480	0.09%	0.008%
53	5.031	5.018	5.084	VV	211	5406	0.13%	0.012%
54	5.093	5.084	5.112	VV	214	2234	0.06%	0.005%
55	5.119	5.112	5.178	VV	160	2960	0.07%	0.007%
56	5.227	5.178	5.338	VB	132	4178	0.10%	0.009%
57	5.358	5.338	5.402	BV	96	1579	0.04%	0.004%
58	5.441	5.402	5.511	PV	127	4060	0.10%	0.009%
59	5.538	5.511	5.559	VV	170	3651	0.09%	0.008%
60	5.569	5.559	5.585	VV	129	1476	0.04%	0.003%
61	5.596	5.585	5.612	VV	142	1570	0.04%	0.004%
62	5.623	5.612	5.688	VV	145	3769	0.09%	0.008%
63	5.697	5.688	5.778	VV	161	4881	0.12%	0.011%
64	5.819	5.778	5.841	PV	193	4150	0.10%	0.009%
65	5.849	5.841	5.872	VV	142	2029	0.05%	0.005%
66	5.886	5.872	5.940	VV	141	4044	0.10%	0.009%
67	5.978	5.940	6.009	VV	187	4619	0.11%	0.010%
68	6.018	6.009	6.042	VV	166	2386	0.06%	0.005%
69	6.073	6.042	6.097	VV	199	3138	0.08%	0.007%
70	6.107	6.097	6.131	VV	147	1944	0.05%	0.004%
71	6.139	6.131	6.153	VV	101	1080	0.03%	0.002%
72	6.163	6.153	6.194	VV	147	2574	0.06%	0.006%
73	6.209	6.194	6.251	VV	127	3627	0.09%	0.008%
74	6.278	6.251	6.287	VV	205	2883	0.07%	0.006%
75	6.296	6.287	6.303	VV	172	1453	0.04%	0.003%
76	6.315	6.303	6.399	VV	216	8789	0.22%	0.020%
77	6.437	6.399	6.488	VV	531	10527	0.26%	0.024%
78	6.497	6.488	6.508	VV	131	1346	0.03%	0.003%
79	6.515	6.508	6.522	VV	125	905	0.02%	0.002%
80	6.541	6.522	6.598	VV	191	5278	0.13%	0.012%
81	6.630	6.598	6.665	VV	283	8556	0.21%	0.019%
82	6.728	6.665	6.765	VV	250	10534	0.26%	0.024%
83	6.777	6.765	6.799	VV	148	2684	0.07%	0.006%
84	6.811	6.799	6.849	VV	192	4204	0.10%	0.009%
85	6.872	6.849	6.895	VV	197	3921	0.10%	0.009%
86	6.914	6.895	6.928	VV	175	2302	0.06%	0.005%
87	6.953	6.928	7.048	VV	169	7365	0.18%	0.017%
88	7.122	7.048	7.162	VV	163	7778	0.19%	0.018%
89	7.200	7.162	7.234	VV	152	5548	0.14%	0.012%

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90	7.253	7.234	7.318	VV	244	8470	0.21%	0.019%
91	7.363	7.318	7.391	VV	257	7745	0.19%	0.017%
92	7.456	7.391	7.485	VV	285	12122	0.30%	0.027%
93	7.494	7.485	7.557	VV	267	9248	0.23%	0.021%
94	7.640	7.557	7.657	VV	341	16563	0.41%	0.037%
95	7.678	7.657	7.745	VV	387	14538	0.36%	0.033%
96	7.770	7.745	7.795	VV	264	6740	0.17%	0.015%
97	7.812	7.795	7.895	VV	247	11579	0.29%	0.026%
98	7.928	7.895	7.942	VV	215	5047	0.12%	0.011%
99	7.968	7.942	8.015	VV	339	10420	0.26%	0.023%
100	8.064	8.015	8.088	VV	248	9669	0.24%	0.022%
101	8.141	8.088	8.188	VV	404	15966	0.39%	0.036%
102	8.258	8.188	8.291	VV	266	14616	0.36%	0.033%
103	8.317	8.291	8.364	VV	324	12457	0.31%	0.028%
104	8.377	8.364	8.434	VV	348	12271	0.30%	0.028%
105	8.482	8.434	8.515	VV	370	16156	0.40%	0.036%
106	8.564	8.515	8.645	VV	764	33008	0.82%	0.074%
107	8.710	8.645	8.745	VV	423	17478	0.43%	0.039%
108	8.831	8.745	8.868	PV	352	18150	0.45%	0.041%
109	8.890	8.868	8.915	VV	361	7497	0.19%	0.017%
110	8.994	8.915	9.041	VV	363	22288	0.55%	0.050%
111	9.101	9.041	9.191	VV	652	35340	0.87%	0.080%
112	9.257	9.191	9.274	VV	386	12559	0.31%	0.028%
113	9.306	9.274	9.348	VV	572	16185	0.40%	0.036%
114	9.391	9.348	9.498	VV	702	25044	0.62%	0.056%
115	9.574	9.498	9.660	VV	255	11570	0.29%	0.026%
116	9.678	9.660	9.718	VV	128	2580	0.06%	0.006%
117	9.813	9.718	9.874	VV	323	18886	0.47%	0.043%
118	9.895	9.874	9.924	VV	330	6922	0.17%	0.016%
119	9.948	9.924	9.988	VV	207	6033	0.15%	0.014%
120	10.009	9.988	10.034	VV	384	4901	0.12%	0.011%
121	10.072	10.034	10.485	PV	11604	584472	14.44%	1.316%
122	10.531	10.485	10.630	VV	4772	109702	2.71%	0.247%
123	10.649	10.630	10.785	VV	444	22077	0.55%	0.050%
124	10.839	10.785	10.860	VV	270	7256	0.18%	0.016%
125	10.913	10.860	10.945	VV	513	15349	0.38%	0.035%
126	10.989	10.945	11.008	VV	429	8405	0.21%	0.019%
127	11.025	11.008	11.088	VV	335	10860	0.27%	0.024%
128	11.137	11.088	11.191	PV	1627	24722	0.61%	0.056%
129	11.242	11.191	11.308	PV	1380	54051	1.34%	0.122%
130	11.317	11.308	11.465	VV	737	31711	0.78%	0.071%
131	11.552	11.465	11.578	PV	565	9226	0.23%	0.021%
132	11.619	11.578	11.644	VV	865	19269	0.48%	0.043%
133	11.673	11.644	11.695	VV	1552	31069	0.77%	0.070%
134	11.721	11.695	11.790	VV	1502	57078	1.41%	0.129%
135	11.816	11.790	11.840	VV	1692	27910	0.69%	0.063%
136	11.864	11.840	11.898	VV	1969	31336	0.77%	0.071%
137	11.942	11.898	12.093	VV	352641	4046802	100.00%	9.113%
138	12.112	12.093	12.168	VV	1381	54927	1.36%	0.124%
139	12.189	12.168	12.211	VV	1064	26228	0.65%	0.059%
140	12.291	12.211	12.321	VV	1958	87303	2.16%	0.197%
141	12.351	12.321	12.371	VV	2135	50308	1.24%	0.113%

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142	12.427	12.371	12.471	VV	3745	156082	3.86%	0.351%
143	12.498	12.471	12.525	VV	3085	87016	2.15%	0.196%
144	12.554	12.525	12.640	VV	47161	889289	21.98%	2.003%
145	12.667	12.640	12.731	VV	5047	238728	5.90%	0.538%
146	12.758	12.731	12.805	VV	3932	165284	4.08%	0.372%
147	12.866	12.805	12.888	VV	4645	205770	5.08%	0.463%
148	12.937	12.888	12.985	VV	5638	286802	7.09%	0.646%
149	13.028	12.985	13.107	VV	8723	470980	11.64%	1.061%
150	13.143	13.107	13.171	VV	5758	207745	5.13%	0.468%
151	13.380	13.171	13.451	VV	211105	3598535	88.92%	8.104%
152	13.482	13.451	13.506	VV	9294	287167	7.10%	0.647%
153	13.549	13.506	13.575	VV	10609	377715	9.33%	0.851%
154	13.633	13.575	13.654	VV	10822	465590	11.51%	1.049%
155	13.712	13.654	13.760	VV	11446	651071	16.09%	1.466%
156	13.801	13.760	13.911	VV	13205	1054767	26.06%	2.375%
157	13.979	13.911	14.008	VV	12100	672358	16.61%	1.514%
158	14.088	14.008	14.105	VV	13677	708286	17.50%	1.595%
159	14.132	14.105	14.155	VV	14525	400452	9.90%	0.902%
160	14.184	14.155	14.218	VV	14154	497989	12.31%	1.121%
161	14.261	14.218	14.317	VV	14584	783158	19.35%	1.764%
162	14.352	14.317	14.388	VV	15085	571659	14.13%	1.287%
163	14.419	14.388	14.441	VV	13045	408661	10.10%	0.920%
164	14.455	14.441	14.475	VV	13175	258222	6.38%	0.582%
165	14.564	14.475	14.621	VV	14224	1181477	29.20%	2.661%
166	14.641	14.621	14.675	VV	13795	417221	10.31%	0.940%
167	14.696	14.675	14.740	VV	15177	523792	12.94%	1.180%
168	14.763	14.740	14.785	VV	13548	338583	8.37%	0.762%
169	14.802	14.785	14.941	VV	12888	1048074	25.90%	2.360%
170	14.954	14.941	15.067	VV	11252	725383	17.92%	1.634%
171	15.090	15.067	15.181	VV	9319	567904	14.03%	1.279%
172	15.198	15.181	15.211	VV	8086	143046	3.53%	0.322%
173	15.237	15.211	15.268	VV	12196	311669	7.70%	0.702%
174	15.286	15.268	15.475	VV	9274	742099	18.34%	1.671%
175	15.487	15.475	15.595	VV	4363	280793	6.94%	0.632%
176	15.627	15.595	15.731	VV	21425	674075	16.66%	1.518%
177	15.759	15.731	15.798	VV	9848	208910	5.16%	0.470%
178	15.831	15.798	16.025	VV	13876	402278	9.94%	0.906%
179	16.045	16.025	16.065	VV	1366	29055	0.72%	0.065%
180	16.082	16.065	16.108	VV	1535	32404	0.80%	0.073%
181	16.154	16.108	16.200	VV	1559	64349	1.59%	0.145%
182	16.261	16.200	16.297	VV	6130	121273	3.00%	0.273%
183	16.327	16.297	16.372	VV	3426	59861	1.48%	0.135%
184	16.386	16.372	16.431	VV	536	11109	0.27%	0.025%
185	16.461	16.431	16.526	VV	418	13657	0.34%	0.031%
186	16.569	16.526	16.593	PV	753	16932	0.42%	0.038%
187	16.645	16.593	16.692	VV	11371	258074	6.38%	0.581%
188	16.745	16.692	16.775	VV	11115	214040	5.29%	0.482%
189	16.823	16.775	16.918	VV	9384	217394	5.37%	0.490%
190	16.945	16.918	17.008	VV	612	20441	0.51%	0.046%
191	17.049	17.008	17.067	PV	427	9337	0.23%	0.021%
192	17.127	17.067	17.159	VV	2013	54311	1.34%	0.122%
193	17.211	17.159	17.241	VV	7621	166266	4.11%	0.374%
194	17.293	17.241	17.380	VV	9521	217087	5.36%	0.489%

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195	17.413	17.380	17.441	VV	483	12688	0.31%	0.029%
196	17.455	17.441	17.521	VV	606	15815	0.39%	0.036%
197	17.590	17.521	17.638	PV	12512	318122	7.86%	0.716%
198	17.664	17.638	17.718	VV	23626	371211	9.17%	0.836%
199	17.746	17.718	17.814	VV	4393	96674	2.39%	0.218%
200	17.837	17.814	17.856	VV	669	10624	0.26%	0.024%
201	17.881	17.856	17.911	VV	842	14385	0.36%	0.032%
202	17.941	17.911	17.963	VV	312	4629	0.11%	0.010%
203	18.102	17.963	18.138	PV	7868	184136	4.55%	0.415%
204	18.194	18.138	18.261	VV	13654	228248	5.64%	0.514%
205	18.283	18.261	18.302	VV	1178	20745	0.51%	0.047%
206	18.334	18.302	18.391	VV	3242	55699	1.38%	0.125%
207	18.428	18.391	18.445	PV	5856	89114	2.20%	0.201%
208	18.475	18.445	18.501	VV	16612	345305	8.53%	0.778%
209	18.527	18.501	18.561	VV	27878	490453	12.12%	1.105%
210	18.620	18.561	18.718	VV	6199	290647	7.18%	0.655%
211	18.758	18.718	18.785	VV	470	15816	0.39%	0.036%
212	18.829	18.785	18.878	PV	2400	51482	1.27%	0.116%
213	18.938	18.878	18.995	VV	8022	206660	5.11%	0.465%
214	19.039	18.995	19.115	VV	12460	324310	8.01%	0.730%
215	19.134	19.115	19.163	VV	4082	62084	1.53%	0.140%
216	19.219	19.163	19.239	VV	3750	65597	1.62%	0.148%
217	19.306	19.239	19.321	VV	17191	364291	9.00%	0.820%
218	19.338	19.321	19.398	VV	15034	466813	11.54%	1.051%
219	19.436	19.398	19.458	VV	5997	173887	4.30%	0.392%
220	19.478	19.458	19.519	VV	5020	141186	3.49%	0.318%
221	19.587	19.519	19.618	VV	3684	177228	4.38%	0.399%
222	19.639	19.618	19.675	VV	4482	103059	2.55%	0.232%
223	19.794	19.675	19.815	VV	10113	406383	10.04%	0.915%
224	19.836	19.815	19.885	VV	9040	226028	5.59%	0.509%
225	19.910	19.885	19.936	VV	4350	111689	2.76%	0.252%
226	20.019	19.936	20.045	VV	4681	243341	6.01%	0.548%
227	20.092	20.045	20.116	VV	10060	312611	7.72%	0.704%
228	20.133	20.116	20.176	VV	8877	257626	6.37%	0.580%
229	20.248	20.176	20.296	VV	6811	442515	10.93%	0.997%
230	20.367	20.296	20.405	VV	11379	519279	12.83%	1.169%
231	20.466	20.405	20.501	VV	10025	473548	11.70%	1.066%
232	20.631	20.501	20.755	VV	14499	1588799	39.26%	3.578%
233	20.870	20.755	20.917	VV	12548	1094515	27.05%	2.465%
234	21.005	20.917	21.077	VV	11320	1031784	25.50%	2.324%
235	21.121	21.077	21.177	VV	11202	617269	15.25%	1.390%
236	21.211	21.177	21.301	VV	11124	717223	17.72%	1.615%
237	21.327	21.301	21.395	VV	8755	470826	11.63%	1.060%
238	21.582	21.395	21.681	VV	10507	1349387	33.34%	3.039%
239	21.710	21.681	21.831	VV	6439	485811	12.00%	1.094%
240	21.894	21.831	22.108	VV	4300	515057	12.73%	1.160%
241	22.143	22.108	22.211	VV	1834	88197	2.18%	0.199%
242	22.434	22.211	22.465	VV	286	76915	1.90%	0.173%
Sum of corrected areas:					44404664			

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	11/17/25
Project:	186 Arlington Blvd, North Arlington	Date Received:	11/17/25
Client Sample ID:	2	SDG No.:	Q3661
Lab Sample ID:	Q3661-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.9
Sample Wt/Vol:	30.08 g	Test:	EPH_F2
Prep Method :	Final Vol: 2000 uL Prep Date : 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C28	Aliphatic C9-C28	6.52		1	1.15	5.05	mg/kg	FE057028.D	11/26/25 2:18	PB170727
Total EPH	Total EPH	6.52			1.15	5.05	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	11/17/25
Project:	186 Arlington Blvd, North Arlington	Date Received:	11/17/25
Client Sample ID:	2	SDG No.:	Q3661
Lab Sample ID:	Q3661-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.9
Sample Wt/Vol:	30.08 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_F2
		Prep Date	11/25/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	6.52	1		1.15	5.05	mg/kg	11/26/25	PB170727
Aliphatic C28-C40	Aliphatic C28-C40	9.23	1		1.49	2.53	mg/kg	11/26/25	PB170727
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	18.7			40 - 140	37%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	23.5			40 - 140	47%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3661-04	Acq On:	26 Nov 2025 02:18
Client Sample ID:	2	Operator:	YP\AJ
Data file:	FE057028.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	3.205	6.828	304746	1.78	300	ug/ml
Aliphatic C12-C16	6.829	10.273	699705	3.914	200	ug/ml
Aliphatic C16-C21	10.274	13.645	2837518	15.214	300	ug/ml
Aliphatic C21-C28	13.646	17.314	11233222	58.274	400	ug/ml
Aliphatic C28-C40	17.315	22.241	17458172	109.583	600	ug/ml
Aliphatic EPH	3.205	22.241	32533363	188.766		ug/ml
ortho-Terphenyl (SURR)	11.942	11.942	4911914	23.51		ug/ml
1-chlorooctadecane (SURR)	13.380	13.380	3015217	18.71		ug/ml
Aliphatic C9-C28	3.205	17.314	15075191	79.182	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
 Data File : FE057028.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 02:18
 Operator : YP\AJ
 Sample : Q3661-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 2

Integration File: sample.E
 Quant Time: Nov 26 04:17:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 18 13:37:28 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	4911914	23.512 ug/ml
Spiked Amount 50.000		Recovery =	47.02%
12) S 1-chlorooctadecane (S...	13.380	3015217	18.714 ug/ml
Spiked Amount 50.000		Recovery =	37.43%

Target Compounds

(f)=RT Delta > 1/2 Window

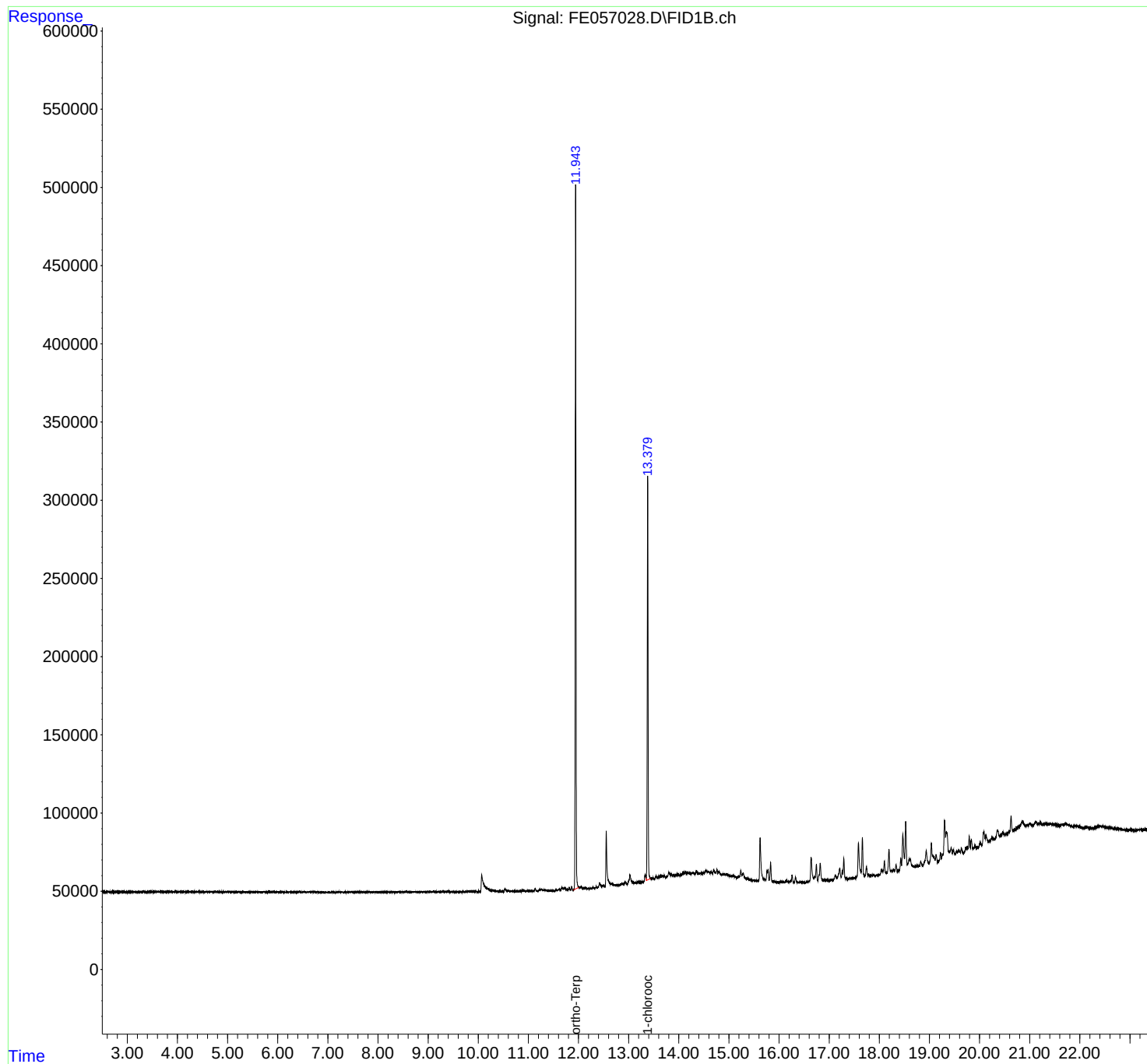
(m)=manual int.

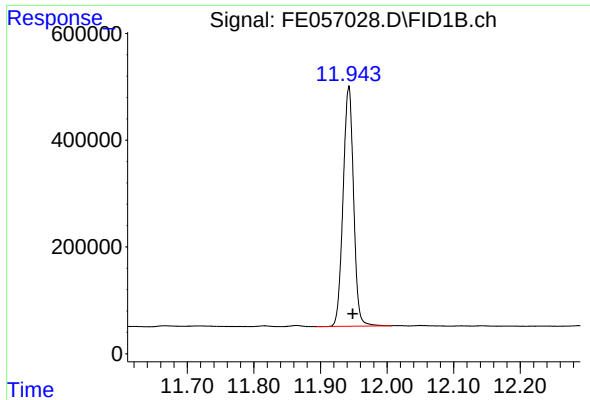
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
Data File : FE057028.D
Signal(s) : FID1B.ch
Acq On : 26 Nov 2025 02:18
Operator : YP\AJ
Sample : Q3661-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
2

Integration File: sample.E
Quant Time: Nov 26 04:17:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

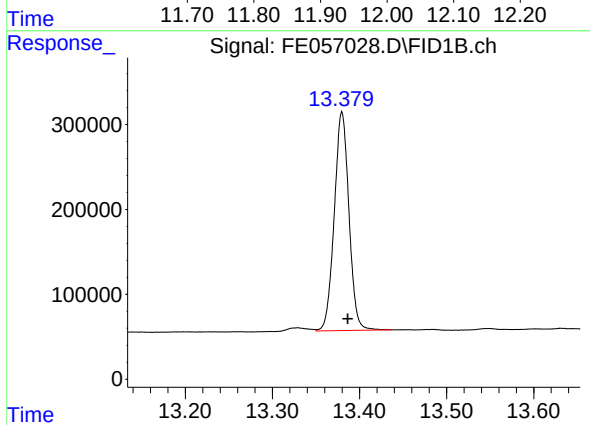




#9 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: -0.006 min
Response: 4911914
Conc: 23.51 ug/ml

Instrument :
FID_E
ClientSampleId :
2



#12 1-chlorooctadecane (SURR)

R.T.: 13.380 min
Delta R.T.: -0.006 min
Response: 3015217
Conc: 18.71 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
Data File : FE057028.D
Signal(s) : FID1B.ch
Acq On : 26 Nov 2025 02:18
Sample : Q3661-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.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	2.554	2.524	2.607	BV	103	239	0.00%	0.001%
2	2.622	2.607	2.641	PV	63	967	0.02%	0.002%
3	2.668	2.641	2.678	VV	82	1103	0.02%	0.003%
4	2.700	2.678	2.725	VV	159	3148	0.06%	0.008%
5	2.735	2.725	2.749	VV	117	975	0.02%	0.002%
6	2.765	2.749	2.773	VV	113	1030	0.02%	0.002%
7	2.787	2.773	2.804	PV	114	1618	0.03%	0.004%
8	2.828	2.804	2.836	VV	148	2025	0.04%	0.005%
9	2.842	2.836	2.864	VV	131	1412	0.03%	0.003%
10	2.874	2.864	2.890	VV	140	1288	0.03%	0.003%
11	2.901	2.890	2.925	VV	76	1103	0.02%	0.003%
12	2.934	2.925	2.952	VV	128	1011	0.02%	0.002%
13	2.964	2.952	3.008	VV	110	2518	0.05%	0.006%
14	3.012	3.008	3.019	VV	115	598	0.01%	0.001%
15	3.027	3.019	3.066	VV	105	2098	0.04%	0.005%
16	3.094	3.066	3.125	VV	166	3977	0.08%	0.010%
17	3.171	3.125	3.214	VV	152	6118	0.12%	0.015%
18	3.221	3.214	3.228	VV	127	904	0.02%	0.002%
19	3.235	3.228	3.241	VV	115	752	0.01%	0.002%
20	3.249	3.241	3.294	VV	121	3697	0.07%	0.009%
21	3.308	3.294	3.335	VV	178	3380	0.07%	0.008%
22	3.344	3.335	3.358	VV	188	1903	0.04%	0.005%
23	3.361	3.358	3.391	VV	178	2189	0.04%	0.005%
24	3.413	3.391	3.455	VV	185	4513	0.09%	0.011%
25	3.487	3.455	3.509	VV	228	5300	0.10%	0.013%
26	3.522	3.509	3.534	VV	181	2122	0.04%	0.005%
27	3.557	3.534	3.575	VV	247	4124	0.08%	0.010%
28	3.648	3.575	3.702	VV	286	15626	0.31%	0.038%
29	3.715	3.702	3.738	VV	229	4376	0.09%	0.011%
30	3.755	3.738	3.801	VV	226	7682	0.15%	0.018%
31	3.821	3.801	3.875	VV	237	8101	0.16%	0.019%
32	3.892	3.875	3.920	VV	231	4485	0.09%	0.011%
33	3.941	3.920	3.968	VV	203	5461	0.11%	0.013%
34	3.979	3.968	4.082	VV	252	12393	0.24%	0.030%
35	4.119	4.082	4.158	VV	262	9455	0.18%	0.023%
36	4.174	4.158	4.264	VV	273	12947	0.25%	0.031%

					rteres			
37	4.352	4.264	4.411	VV	314	19713	0.39%	0.047%
38	4.462	4.411	4.481	VV	273	9611	0.19%	0.023%
39	4.493	4.481	4.538	VV	236	8014	0.16%	0.019%
40	4.558	4.538	4.610	VV	326	10313	0.20%	0.025%
41	4.640	4.610	4.721	VV	257	14015	0.27%	0.034%
42	4.744	4.721	4.802	VV	330	11083	0.22%	0.027%
43	4.823	4.802	4.864	VV	249	6879	0.13%	0.017%
44	4.867	4.864	4.973	VV	336	10245	0.20%	0.025%
45	4.993	4.973	5.148	VV	211	13941	0.27%	0.034%
46	5.162	5.148	5.204	VV	95	2625	0.05%	0.006%
47	5.218	5.204	5.304	VV	102	4502	0.09%	0.011%
48	5.316	5.304	5.355	VV	110	1998	0.04%	0.005%
49	5.395	5.355	5.450	VV	97	3174	0.06%	0.008%
50	5.540	5.450	5.588	PV	164	6770	0.13%	0.016%
51	5.597	5.588	5.663	VV	175	4156	0.08%	0.010%
52	5.698	5.663	5.798	VV	182	6186	0.12%	0.015%
53	5.814	5.798	5.858	VV	167	3871	0.08%	0.009%
54	5.884	5.858	6.048	VV	102	11184	0.22%	0.027%
55	6.073	6.048	6.147	VV	128	4183	0.08%	0.010%
56	6.170	6.147	6.244	VV	98	3069	0.06%	0.007%
57	6.276	6.244	6.297	VV	124	2730	0.05%	0.007%
58	6.323	6.297	6.389	VV	110	3996	0.08%	0.010%
59	6.437	6.389	6.530	VV	409	9486	0.19%	0.023%
60	6.545	6.530	6.569	VV	80	1479	0.03%	0.004%
61	6.623	6.569	6.716	VV	380	14750	0.29%	0.035%
62	6.753	6.716	6.775	VV	145	3878	0.08%	0.009%
63	6.816	6.775	6.853	VV	114	3485	0.07%	0.008%
64	6.871	6.853	6.899	PV	108	1150	0.02%	0.003%
65	6.922	6.899	6.962	VV	83	1211	0.02%	0.003%
66	6.998	6.962	7.023	VV	71	1639	0.03%	0.004%
67	7.035	7.023	7.149	VV	113	4454	0.09%	0.011%
68	7.197	7.149	7.324	VV	164	7549	0.15%	0.018%
69	7.353	7.324	7.409	PV	111	3356	0.07%	0.008%
70	7.454	7.409	7.518	VV	170	6741	0.13%	0.016%
71	7.628	7.518	7.809	VV	212	20990	0.41%	0.051%
72	7.819	7.809	7.876	VV	75	2107	0.04%	0.005%
73	7.904	7.876	7.939	PV	82	1642	0.03%	0.004%
74	7.968	7.939	8.068	PV	233	6591	0.13%	0.016%
75	8.096	8.068	8.123	VV	152	3184	0.06%	0.008%
76	8.139	8.123	8.215	VV	216	4936	0.10%	0.012%
77	8.250	8.215	8.282	VV	85	1886	0.04%	0.005%
78	8.322	8.282	8.340	VV	71	1711	0.03%	0.004%
79	8.382	8.340	8.403	VV	98	2340	0.05%	0.006%
80	8.418	8.403	8.429	VV	86	938	0.02%	0.002%
81	8.477	8.429	8.521	VV	144	6460	0.13%	0.016%
82	8.564	8.521	8.627	VV	385	11535	0.23%	0.028%
83	8.713	8.627	8.800	VV	193	10307	0.20%	0.025%
84	8.817	8.800	8.836	VV	122	1832	0.04%	0.004%
85	8.840	8.836	8.862	VV	98	1019	0.02%	0.002%
86	8.884	8.862	8.955	VV	104	2702	0.05%	0.007%
87	8.997	8.955	9.043	VV	273	7977	0.16%	0.019%
88	9.102	9.043	9.175	VV	416	17795	0.35%	0.043%
89	9.212	9.175	9.236	VV	139	4081	0.08%	0.010%

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90	9.251	9.236	9.276	VV	141	2875	0.06%	0.007%
91	9.307	9.276	9.361	VV	404	11589	0.23%	0.028%
92	9.391	9.361	9.523	VV	600	15580	0.30%	0.037%
93	9.538	9.523	9.556	PV	11	166	0.00%	0.000%
94	9.572	9.556	9.609	VV	117	1757	0.03%	0.004%
95	9.635	9.609	9.663	PV	68	1654	0.03%	0.004%
96	9.695	9.663	9.713	PV	89	1236	0.02%	0.003%
97	9.808	9.713	9.883	PV	370	17091	0.33%	0.041%
98	9.894	9.883	9.976	VV	226	8926	0.17%	0.021%
99	10.008	9.976	10.032	VV	357	3809	0.07%	0.009%
100	10.072	10.032	10.489	PV	10757	498889	9.75%	1.200%
101	10.533	10.489	10.596	VV	1758	44352	0.87%	0.107%
102	10.608	10.596	10.632	VV	453	7850	0.15%	0.019%
103	10.652	10.632	10.769	VV	310	14304	0.28%	0.034%
104	10.839	10.769	10.860	VV	336	8809	0.17%	0.021%
105	10.912	10.860	10.958	PV	600	17954	0.35%	0.043%
106	10.991	10.958	11.083	VV	352	15122	0.30%	0.036%
107	11.136	11.083	11.179	VV	1866	26086	0.51%	0.063%
108	11.240	11.179	11.469	PV	1121	80589	1.57%	0.194%
109	11.482	11.469	11.499	VV	75	906	0.02%	0.002%
110	11.551	11.499	11.574	PV	594	8177	0.16%	0.020%
111	11.616	11.574	11.640	VV	798	19881	0.39%	0.048%
112	11.669	11.640	11.694	VV	1935	37828	0.74%	0.091%
113	11.718	11.694	11.796	VV	1675	56096	1.10%	0.135%
114	11.816	11.796	11.839	VV	1729	22796	0.45%	0.055%
115	11.864	11.839	11.896	VV	2319	30489	0.60%	0.073%
116	11.942	11.896	12.207	VV	447734	5118529	100.00%	12.316%
117	12.235	12.207	12.257	VV	763	19501	0.38%	0.047%
118	12.289	12.257	12.321	VV	1515	35335	0.69%	0.085%
119	12.351	12.321	12.373	VV	1739	36186	0.71%	0.087%
120	12.421	12.373	12.463	VV	3693	124202	2.43%	0.299%
121	12.490	12.463	12.521	VV	2253	72370	1.41%	0.174%
122	12.554	12.521	12.733	VV	33979	844922	16.51%	2.033%
123	12.755	12.733	12.801	VV	2473	92496	1.81%	0.223%
124	12.866	12.801	12.889	VV	3110	139878	2.73%	0.337%
125	12.936	12.889	12.972	VV	4079	161040	3.15%	0.388%
126	13.027	12.972	13.115	VV	8224	402722	7.87%	0.969%
127	13.143	13.115	13.163	VV	3580	99372	1.94%	0.239%
128	13.380	13.163	13.462	VV	254620	3875230	75.71%	9.325%
129	13.481	13.462	13.506	VV	6276	156393	3.06%	0.376%
130	13.548	13.506	13.576	VV	7315	261862	5.12%	0.630%
131	13.676	13.576	13.696	VV	7554	497136	9.71%	1.196%
132	13.711	13.696	13.761	VV	7417	262764	5.13%	0.632%
133	13.802	13.761	13.903	VV	9009	653009	12.76%	1.571%
134	13.974	13.903	14.020	VV	7868	528141	10.32%	1.271%
135	14.087	14.020	14.109	VV	9339	439387	8.58%	1.057%
136	14.132	14.109	14.152	VV	9665	226913	4.43%	0.546%
137	14.185	14.152	14.223	VV	9019	365467	7.14%	0.879%
138	14.287	14.223	14.323	VV	8406	489327	9.56%	1.177%
139	14.350	14.323	14.396	VV	9442	373378	7.29%	0.898%
140	14.540	14.396	14.623	VV	9779	1165224	22.76%	2.804%
141	14.644	14.623	14.676	VV	9047	269665	5.27%	0.649%

rteres								
142	14.696	14.676	14.743	VV	10277	352379	6.88%	0.848%
143	14.761	14.743	14.782	VV	10106	211548	4.13%	0.509%
144	14.798	14.782	14.854	VV	8963	337309	6.59%	0.812%
145	14.905	14.854	14.931	VV	7233	320413	6.26%	0.771%
146	14.952	14.931	15.069	VV	7150	511109	9.99%	1.230%
147	15.090	15.069	15.157	VV	5914	279349	5.46%	0.672%
148	15.237	15.157	15.260	VV	8944	362197	7.08%	0.872%
149	15.284	15.260	15.529	VV	7463	599507	11.71%	1.443%
150	15.624	15.529	15.733	VV	29356	783760	15.31%	1.886%
151	15.777	15.733	15.803	VV	8646	239348	4.68%	0.576%
152	15.831	15.803	15.875	VV	13239	230157	4.50%	0.554%
153	15.893	15.875	15.956	VV	1338	50702	0.99%	0.122%
154	16.080	15.956	16.109	VV	1001	71968	1.41%	0.173%
155	16.150	16.109	16.195	VV	1740	52614	1.03%	0.127%
156	16.260	16.195	16.303	VV	5064	103549	2.02%	0.249%
157	16.328	16.303	16.416	VV	3616	63844	1.25%	0.154%
158	16.468	16.416	16.522	VV	218	9737	0.19%	0.023%
159	16.563	16.522	16.585	PV	497	11700	0.23%	0.028%
160	16.641	16.585	16.690	VV	15244	328357	6.42%	0.790%
161	16.744	16.690	16.773	VV	10905	221520	4.33%	0.533%
162	16.822	16.773	17.009	VV	11497	280760	5.49%	0.676%
163	17.046	17.009	17.063	VV	645	10415	0.20%	0.025%
164	17.122	17.063	17.158	VV	3110	77246	1.51%	0.186%
165	17.210	17.158	17.239	VV	7322	177955	3.48%	0.428%
166	17.292	17.239	17.389	VV	13224	275368	5.38%	0.663%
167	17.453	17.389	17.515	PV	518	20084	0.39%	0.048%
168	17.585	17.515	17.634	VV	22459	473002	9.24%	1.138%
169	17.663	17.634	17.716	VV	25303	397120	7.76%	0.956%
170	17.743	17.716	17.811	VV	6622	132605	2.59%	0.319%
171	17.838	17.811	17.855	VV	970	14908	0.29%	0.036%
172	17.879	17.855	17.911	VV	1061	20276	0.40%	0.049%
173	17.939	17.911	17.956	PV	494	6745	0.13%	0.016%
174	18.102	17.956	18.136	VV	8307	216199	4.22%	0.520%
175	18.193	18.136	18.256	VV	15136	272538	5.32%	0.656%
176	18.280	18.256	18.301	VV	1590	28257	0.55%	0.068%
177	18.334	18.301	18.363	VV	4410	68638	1.34%	0.165%
178	18.471	18.363	18.500	PV	22868	559637	10.93%	1.347%
179	18.527	18.500	18.563	VV	30363	538703	10.52%	1.296%
180	18.597	18.563	18.703	VV	6418	266525	5.21%	0.641%
181	18.762	18.703	18.782	VV	669	22263	0.43%	0.054%
182	18.827	18.782	18.867	VV	2865	56818	1.11%	0.137%
183	18.936	18.867	18.991	VV	8989	238549	4.66%	0.574%
184	19.039	18.991	19.111	VV	13170	354087	6.92%	0.852%
185	19.134	19.111	19.163	VV	5192	86149	1.68%	0.207%
186	19.303	19.163	19.324	VV	25793	682351	13.33%	1.642%
187	19.340	19.324	19.389	VV	18062	509737	9.96%	1.227%
188	19.433	19.389	19.457	VV	7610	234979	4.59%	0.565%
189	19.478	19.457	19.509	VV	5842	144331	2.82%	0.347%
190	19.588	19.509	19.614	VV	4688	249006	4.86%	0.599%
191	19.637	19.614	19.676	VV	6113	146487	2.86%	0.352%
192	19.794	19.676	19.814	VV	12030	461884	9.02%	1.111%
193	19.835	19.814	19.880	VV	10091	248616	4.86%	0.598%
194	19.908	19.880	19.936	VV	5793	154624	3.02%	0.372%

					rteres			
195	20.017	19.936	20.043	VV	6446	308864	6.03%	0.743%
196	20.084	20.043	20.172	VV	13062	699160	13.66%	1.682%
197	20.248	20.172	20.296	VV	8219	526835	10.29%	1.268%
198	20.358	20.296	20.396	VV	12045	561713	10.97%	1.352%
199	20.463	20.396	20.513	VV	10427	626445	12.24%	1.507%
200	20.629	20.513	20.665	VV	19433	974639	19.04%	2.345%
201	20.855	20.665	20.963	VV	14406	2068844	40.42%	4.978%
202	21.001	20.963	21.056	VV	11934	625042	12.21%	1.504%
203	21.122	21.056	21.182	VV	12308	839126	16.39%	2.019%
204	21.209	21.182	21.288	VV	11243	650793	12.71%	1.566%
205	21.310	21.288	21.368	VV	9776	446772	8.73%	1.075%
206	21.423	21.368	21.509	VV	8822	711650	13.90%	1.712%
207	21.527	21.509	21.589	VV	7507	337661	6.60%	0.812%
208	21.715	21.589	21.860	VV	6989	963195	18.82%	2.318%
209	21.909	21.860	22.068	VV	4095	394322	7.70%	0.949%
210	22.131	22.068	22.239	VV	1828	117993	2.31%	0.284%

Sum of corrected areas: 41558357

Aliphatic EPH 103025.M Wed Nov 26 06:49:20 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	11/17/25
Project:	186 Arlington Blvd, North Arlington	Date Received:	11/17/25
Client Sample ID:	3	SDG No.:	Q3661
Lab Sample ID:	Q3661-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.4
Sample Wt/Vol:	30.07 g	Test:	EPH_F2
Prep Method :	Final Vol: 2000 uL Prep Date : 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C28	Aliphatic C9-C28	4.95	J	1	1.16	5.09	mg/kg	FE057029.D	11/26/25 2:48	PB170727
Total EPH	Total EPH	4.95	J		1.16	5.09	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	11/17/25
Project:	186 Arlington Blvd, North Arlington	Date Received:	11/17/25
Client Sample ID:	3	SDG No.:	Q3661
Lab Sample ID:	Q3661-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.4
Sample Wt/Vol:	30.07 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_F2
	Prep Date	11/25/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	4.95	J	1	1.16	5.09	mg/kg	11/26/25	PB170727
Aliphatic C28-C40	Aliphatic C28-C40	8.38		1	1.50	2.55	mg/kg	11/26/25	PB170727
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	15.6			40 - 140	31%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	19.5			40 - 140	39%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3661-05	Acq On:	26 Nov 2025 02:48
Client Sample ID:	3	Operator:	YP\AJ
Data file:	FE057029.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	3.205	6.828	255834	1.495	300	ug/ml
Aliphatic C12-C16	6.829	10.273	701285	3.923	200	ug/ml
Aliphatic C16-C21	10.274	13.645	2516690	13.494	300	ug/ml
Aliphatic C21-C28	13.646	17.314	7917825	41.075	400	ug/ml
Aliphatic C28-C40	17.315	22.241	15742184	98.812	600	ug/ml
Aliphatic EPH	3.205	22.241	27133818	158.798		ug/ml
ortho-Terphenyl (SURR)	11.942	11.942	4066656	19.47		ug/ml
1-chlorooctadecane (SURR)	13.379	13.379	2516147	15.62		ug/ml
Aliphatic C9-C28	3.205	17.314	11391634	59.987	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
 Data File : FE057029.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 02:48
 Operator : YP\AJ
 Sample : Q3661-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 3

Integration File: sample.E
 Quant Time: Nov 26 04:17:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 18 13:37:28 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	4066656	19.466 ug/ml
Spiked Amount 50.000		Recovery =	38.93%
12) S 1-chlorooctadecane (S...	13.379	2516147	15.617 ug/ml
Spiked Amount 50.000		Recovery =	31.23%

Target Compounds

(f)=RT Delta > 1/2 Window

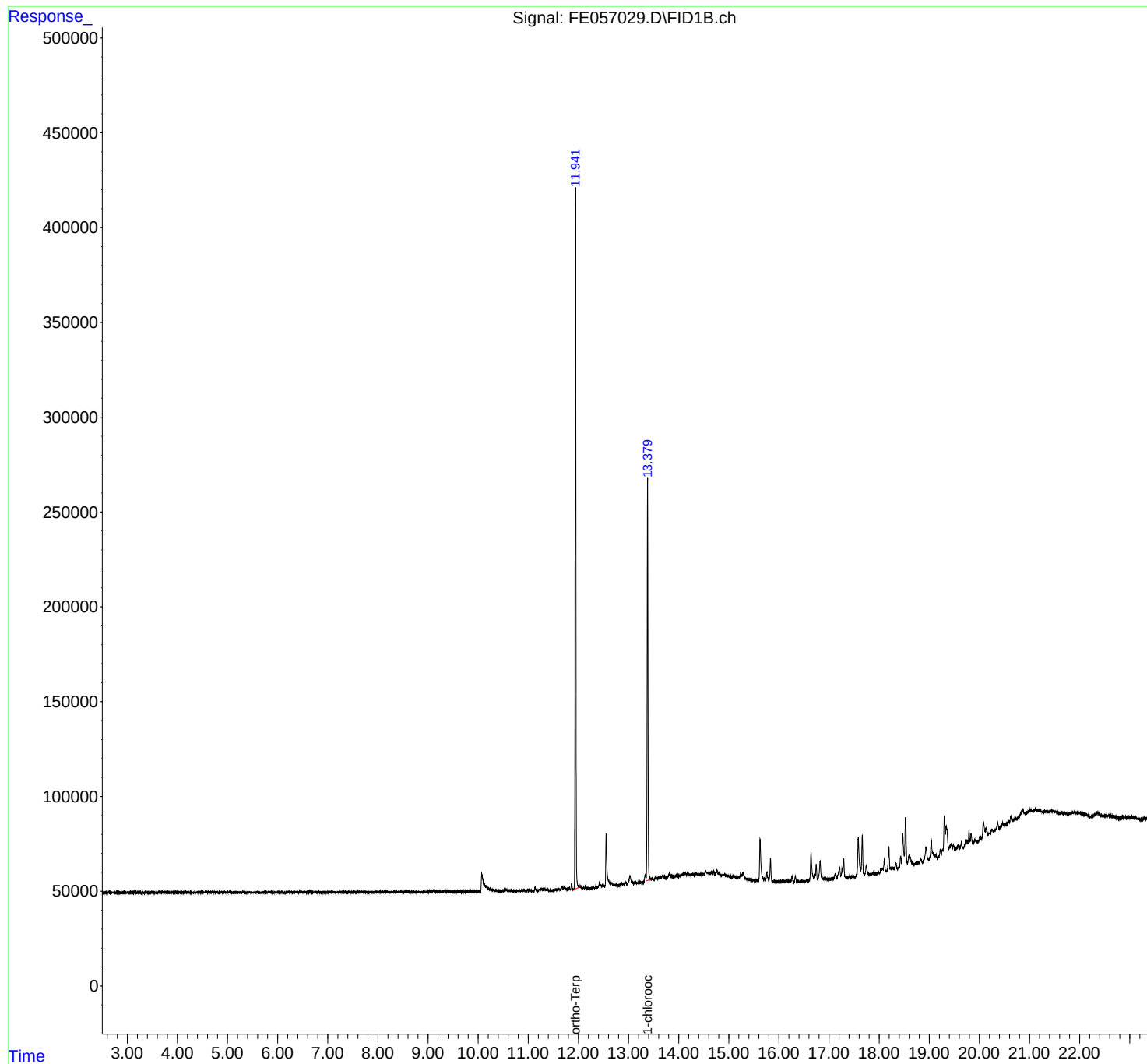
(m)=manual int.

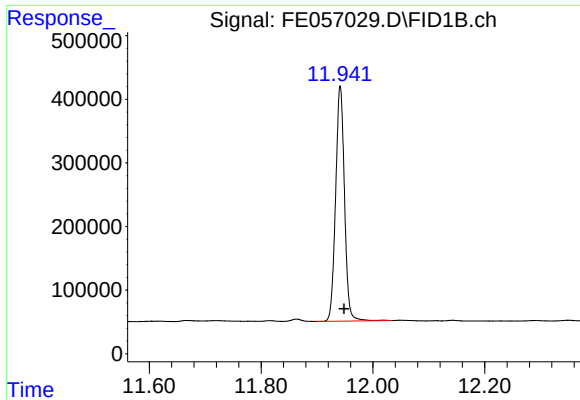
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
Data File : FE057029.D
Signal(s) : FID1B.ch
Acq On : 26 Nov 2025 02:48
Operator : YP\AJ
Sample : Q3661-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
3

Integration File: sample.E
Quant Time: Nov 26 04:17:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

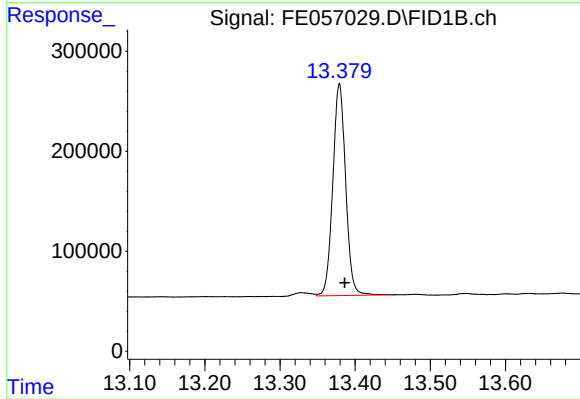




#9 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: -0.007 min
Response: 4066656
Conc: 19.47 ug/ml

Instrument :
FID_E
ClientSampleId :
3



#12 1-chlorooctadecane (SURR)

R.T.: 13.379 min
Delta R.T.: -0.007 min
Response: 2516147
Conc: 15.62 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
 Data File : FE057029.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 02:48
 Sample : Q3661-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.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	2.600	2.541	2.661	BV	112	2303	0.06%	0.007%
2	2.674	2.661	2.689	PV	131	831	0.02%	0.002%
3	2.697	2.689	2.711	PV	65	421	0.01%	0.001%
4	2.768	2.711	2.809	VV	153	5002	0.12%	0.015%
5	2.819	2.809	2.838	VV	138	1778	0.04%	0.005%
6	2.845	2.838	2.852	VV	94	852	0.02%	0.002%
7	2.862	2.852	2.896	VV	174	3177	0.08%	0.009%
8	2.904	2.896	2.931	PV	146	2436	0.06%	0.007%
9	2.933	2.931	2.961	VV	155	1418	0.03%	0.004%
10	2.969	2.961	3.044	VV	166	5279	0.13%	0.015%
11	3.049	3.044	3.059	VV	115	749	0.02%	0.002%
12	3.095	3.059	3.161	VV	214	7993	0.19%	0.023%
13	3.170	3.161	3.215	VV	182	3629	0.09%	0.011%
14	3.225	3.215	3.270	VV	175	3749	0.09%	0.011%
15	3.287	3.270	3.301	VV	141	2069	0.05%	0.006%
16	3.326	3.301	3.351	VV	154	3434	0.08%	0.010%
17	3.383	3.351	3.465	VV	190	8012	0.19%	0.023%
18	3.478	3.465	3.531	VV	193	5734	0.14%	0.017%
19	3.549	3.531	3.567	VV	126	2703	0.06%	0.008%
20	3.591	3.567	3.602	VV	210	3167	0.08%	0.009%
21	3.625	3.602	3.711	VV	201	9805	0.23%	0.028%
22	3.767	3.711	3.780	VV	175	5030	0.12%	0.015%
23	3.795	3.780	3.894	VV	157	7692	0.18%	0.022%
24	3.902	3.894	3.938	VV	159	3530	0.08%	0.010%
25	3.948	3.938	3.986	VV	167	3312	0.08%	0.010%
26	4.000	3.986	4.078	VV	196	6619	0.16%	0.019%
27	4.096	4.078	4.103	VV	161	2144	0.05%	0.006%
28	4.117	4.103	4.152	VV	202	4502	0.11%	0.013%
29	4.184	4.152	4.227	VV	200	5247	0.13%	0.015%
30	4.242	4.227	4.255	VV	226	2041	0.05%	0.006%
31	4.283	4.255	4.361	VV	146	8206	0.20%	0.024%
32	4.431	4.361	4.524	VV	248	15954	0.38%	0.046%
33	4.561	4.524	4.634	VV	248	12009	0.29%	0.035%
34	4.643	4.634	4.717	VV	240	7785	0.19%	0.023%
35	4.747	4.717	4.768	VV	191	4645	0.11%	0.013%
36	4.780	4.768	4.848	VV	127	6657	0.16%	0.019%

					rteres			
37	4.878	4.848	4.914	VV	183	5573	0.13%	0.016%
38	4.930	4.914	4.964	VV	239	5242	0.13%	0.015%
39	4.979	4.964	5.028	VV	198	5103	0.12%	0.015%
40	5.057	5.028	5.096	VV	160	4550	0.11%	0.013%
41	5.117	5.096	5.154	VV	141	3364	0.08%	0.010%
42	5.166	5.154	5.183	VV	106	1379	0.03%	0.004%
43	5.216	5.183	5.290	VV	148	6197	0.15%	0.018%
44	5.314	5.290	5.358	VV	170	3232	0.08%	0.009%
45	5.375	5.358	5.423	VV	110	2389	0.06%	0.007%
46	5.441	5.423	5.478	VV	145	2077	0.05%	0.006%
47	5.541	5.478	5.581	VV	126	6048	0.14%	0.018%
48	5.597	5.581	5.614	VV	134	1805	0.04%	0.005%
49	5.729	5.614	5.791	VV	162	10150	0.24%	0.029%
50	5.820	5.791	5.929	VV	209	10468	0.25%	0.030%
51	5.956	5.929	6.043	VV	133	6607	0.16%	0.019%
52	6.075	6.043	6.140	VV	109	3309	0.08%	0.010%
53	6.189	6.140	6.243	PV	114	4748	0.11%	0.014%
54	6.271	6.243	6.296	VV	171	3362	0.08%	0.010%
55	6.328	6.296	6.396	VV	141	5275	0.13%	0.015%
56	6.437	6.396	6.459	VV	428	6514	0.16%	0.019%
57	6.468	6.459	6.537	VV	139	4751	0.11%	0.014%
58	6.553	6.537	6.582	VV	115	2541	0.06%	0.007%
59	6.626	6.582	6.649	VV	255	5985	0.14%	0.017%
60	6.669	6.649	6.721	VV	160	4781	0.11%	0.014%
61	6.749	6.721	6.789	VV	106	3409	0.08%	0.010%
62	6.816	6.789	6.849	VV	101	2929	0.07%	0.008%
63	6.881	6.849	6.976	VV	108	3332	0.08%	0.010%
64	7.039	6.976	7.223	VV	152	10872	0.26%	0.032%
65	7.250	7.223	7.309	VV	122	3130	0.07%	0.009%
66	7.319	7.309	7.336	VV	116	1052	0.03%	0.003%
67	7.410	7.336	7.428	VV	86	3059	0.07%	0.009%
68	7.455	7.428	7.495	VV	166	3724	0.09%	0.011%
69	7.528	7.495	7.568	VV	99	3955	0.09%	0.011%
70	7.631	7.568	7.660	VV	205	7935	0.19%	0.023%
71	7.678	7.660	7.783	VV	212	8324	0.20%	0.024%
72	7.819	7.783	7.837	VV	119	2780	0.07%	0.008%
73	7.850	7.837	7.893	VV	93	2363	0.06%	0.007%
74	7.968	7.893	8.066	VV	242	7686	0.18%	0.022%
75	8.140	8.066	8.189	VV	223	8400	0.20%	0.024%
76	8.213	8.189	8.288	VV	122	5338	0.13%	0.015%
77	8.382	8.288	8.435	VV	146	7499	0.18%	0.022%
78	8.478	8.435	8.516	PV	209	6940	0.17%	0.020%
79	8.564	8.516	8.642	VV	382	15447	0.37%	0.045%
80	8.677	8.642	8.705	VV	155	4545	0.11%	0.013%
81	8.721	8.705	8.783	VV	173	4456	0.11%	0.013%
82	8.821	8.783	8.864	VV	108	3956	0.09%	0.011%
83	8.891	8.864	8.904	VV	83	1460	0.03%	0.004%
84	8.924	8.904	8.956	VV	70	1833	0.04%	0.005%
85	9.034	8.956	9.060	VV	480	13532	0.32%	0.039%
86	9.101	9.060	9.222	VV	425	18378	0.44%	0.053%
87	9.309	9.222	9.359	VV	399	15361	0.37%	0.045%
88	9.392	9.359	9.535	VV	585	18010	0.43%	0.052%
89	9.571	9.535	9.591	VV	106	2458	0.06%	0.007%

					rteres			
90	9.638	9.591	9.657	VV	102	2367	0.06%	0.007%
91	9.689	9.657	9.737	VV	245	4877	0.12%	0.014%
92	9.810	9.737	9.877	PV	317	15051	0.36%	0.044%
93	9.897	9.877	9.929	VV	248	6057	0.14%	0.018%
94	9.946	9.929	9.989	VV	219	5083	0.12%	0.015%
95	10.009	9.989	10.029	VV	272	3212	0.08%	0.009%
96	10.076	10.029	10.476	PV	8777	478813	11.44%	1.389%
97	10.534	10.476	10.685	VV	1564	60811	1.45%	0.176%
98	10.705	10.685	10.749	VV	182	4617	0.11%	0.013%
99	10.913	10.749	10.950	VV	601	25287	0.60%	0.073%
100	10.989	10.950	11.009	VV	332	7403	0.18%	0.021%
101	11.026	11.009	11.089	VV	304	7750	0.19%	0.022%
102	11.136	11.089	11.187	PV	1866	25755	0.62%	0.075%
103	11.245	11.187	11.518	PV	1047	74968	1.79%	0.217%
104	11.550	11.518	11.576	PV	500	7374	0.18%	0.021%
105	11.615	11.576	11.641	VV	698	17236	0.41%	0.050%
106	11.669	11.641	11.695	VV	1714	34865	0.83%	0.101%
107	11.720	11.695	11.796	VV	1537	52381	1.25%	0.152%
108	11.815	11.796	11.837	VV	1411	19311	0.46%	0.056%
109	11.863	11.837	11.899	VV	3737	48943	1.17%	0.142%
110	11.942	11.899	12.122	VV	366643	4185015	100.00%	12.136%
111	12.142	12.122	12.209	VV	1687	41365	0.99%	0.120%
112	12.229	12.209	12.251	VV	557	11477	0.27%	0.033%
113	12.290	12.251	12.319	VV	1136	26996	0.65%	0.078%
114	12.350	12.319	12.372	VV	1507	28756	0.69%	0.083%
115	12.422	12.372	12.465	VV	3108	99236	2.37%	0.288%
116	12.489	12.465	12.520	VV	1736	52009	1.24%	0.151%
117	12.554	12.520	12.732	VV	26232	680803	16.27%	1.974%
118	12.754	12.732	12.803	VV	1830	70305	1.68%	0.204%
119	12.935	12.803	12.969	VV	3033	215088	5.14%	0.624%
120	13.028	12.969	13.120	VV	6384	318015	7.60%	0.922%
121	13.143	13.120	13.163	VV	2592	63463	1.52%	0.184%
122	13.379	13.163	13.463	VV	207775	3129155	74.77%	9.074%
123	13.480	13.463	13.506	VV	4678	112978	2.70%	0.328%
124	13.547	13.506	13.580	VV	5488	200336	4.79%	0.581%
125	13.632	13.580	13.650	VV	5384	209162	5.00%	0.607%
126	13.675	13.650	13.697	VV	5747	147128	3.52%	0.427%
127	13.710	13.697	13.736	VV	5286	117771	2.81%	0.342%
128	13.807	13.736	13.909	VV	6292	550163	13.15%	1.595%
129	13.982	13.909	14.005	VV	5593	307241	7.34%	0.891%
130	14.085	14.005	14.107	VV	6466	354709	8.48%	1.029%
131	14.133	14.107	14.152	VV	6823	167621	4.01%	0.486%
132	14.185	14.152	14.228	VV	6474	277360	6.63%	0.804%
133	14.295	14.228	14.323	VV	6021	331845	7.93%	0.962%
134	14.350	14.323	14.395	VV	6677	260918	6.23%	0.757%
135	14.451	14.395	14.470	VV	5928	258958	6.19%	0.751%
136	14.538	14.470	14.620	VV	7216	566017	13.52%	1.641%
137	14.646	14.620	14.673	VV	6519	192713	4.60%	0.559%
138	14.696	14.673	14.716	VV	7264	164869	3.94%	0.478%
139	14.762	14.716	14.785	VV	7552	259679	6.20%	0.753%
140	14.801	14.785	14.855	VV	6229	227618	5.44%	0.660%
141	14.904	14.855	15.061	VV	5204	560343	13.39%	1.625%

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142	15.088	15.061	15.176	VV	4221	254736	6.09%	0.739%
143	15.237	15.176	15.261	VV	5962	214101	5.12%	0.621%
144	15.284	15.261	15.416	VV	5870	306256	7.32%	0.888%
145	15.433	15.416	15.516	VV	2173	109704	2.62%	0.318%
146	15.537	15.516	15.550	VV	1478	29044	0.69%	0.084%
147	15.624	15.550	15.734	VV	22888	569248	13.60%	1.651%
148	15.759	15.734	15.798	VV	5167	114723	2.74%	0.333%
149	15.831	15.798	16.002	VV	12280	240657	5.75%	0.698%
150	16.081	16.002	16.108	VV	600	29829	0.71%	0.087%
151	16.149	16.108	16.188	VV	1208	32950	0.79%	0.096%
152	16.261	16.188	16.294	VV	3244	68016	1.63%	0.197%
153	16.328	16.294	16.412	VV	3034	49282	1.18%	0.143%
154	16.457	16.412	16.529	PV	279	5410	0.13%	0.016%
155	16.563	16.529	16.584	PV	439	9179	0.22%	0.027%
156	16.641	16.584	16.688	VV	14480	291002	6.95%	0.844%
157	16.743	16.688	16.774	VV	8464	177593	4.24%	0.515%
158	16.821	16.774	16.918	VV	9990	222469	5.32%	0.645%
159	16.938	16.918	17.005	VV	520	14003	0.33%	0.041%
160	17.044	17.005	17.065	PV	379	7708	0.18%	0.022%
161	17.125	17.065	17.157	VV	2731	61336	1.47%	0.178%
162	17.209	17.157	17.237	VV	5944	141140	3.37%	0.409%
163	17.292	17.237	17.376	VV	9883	224486	5.36%	0.651%
164	17.584	17.376	17.634	PV	20343	452382	10.81%	1.312%
165	17.663	17.634	17.710	VV	21391	332556	7.95%	0.964%
166	17.744	17.710	17.816	VV	5145	111114	2.66%	0.322%
167	17.837	17.816	17.854	VV	787	11928	0.29%	0.035%
168	17.881	17.854	17.914	VV	925	19659	0.47%	0.057%
169	17.939	17.914	17.963	PV	285	4808	0.11%	0.014%
170	18.039	17.963	18.076	VV	2399	69555	1.66%	0.202%
171	18.103	18.076	18.136	VV	6710	105278	2.52%	0.305%
172	18.193	18.136	18.255	VV	12607	226628	5.42%	0.657%
173	18.280	18.255	18.300	VV	1248	23451	0.56%	0.068%
174	18.333	18.300	18.389	VV	3370	57491	1.37%	0.167%
175	18.470	18.389	18.499	PV	17649	436538	10.43%	1.266%
176	18.527	18.499	18.564	VV	25484	459922	10.99%	1.334%
177	18.596	18.564	18.698	VV	5386	194674	4.65%	0.565%
178	18.833	18.698	18.867	VV	1769	48457	1.16%	0.141%
179	18.935	18.867	18.988	VV	7332	191783	4.58%	0.556%
180	19.040	18.988	19.114	VV	10310	272550	6.51%	0.790%
181	19.133	19.114	19.162	VV	2057	33250	0.79%	0.096%
182	19.218	19.162	19.238	PV	4300	70733	1.69%	0.205%
183	19.302	19.238	19.322	VV	20642	451789	10.80%	1.310%
184	19.340	19.322	19.389	VV	15104	420108	10.04%	1.218%
185	19.432	19.389	19.458	VV	5690	184844	4.42%	0.536%
186	19.481	19.458	19.513	VV	4629	113632	2.72%	0.330%
187	19.583	19.513	19.610	VV	4087	169154	4.04%	0.491%
188	19.638	19.610	19.683	VV	4707	129630	3.10%	0.376%
189	19.793	19.683	19.814	VV	9580	374042	8.94%	1.085%
190	19.835	19.814	19.869	VV	7962	177027	4.23%	0.513%
191	19.910	19.869	19.963	VV	4548	197205	4.71%	0.572%
192	20.016	19.963	20.041	VV	5447	198532	4.74%	0.576%
193	20.080	20.041	20.173	VV	12238	634825	15.17%	1.841%
194	20.246	20.173	20.289	VV	7631	442627	10.58%	1.284%

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195	20.364	20.289	20.396	VV	10072	497911	11.90%	1.444%
196	20.463	20.396	20.485	VV	9794	431847	10.32%	1.252%
197	20.628	20.485	20.659	VV	11591	948125	22.66%	2.749%
198	20.857	20.659	20.906	VV	13460	1611382	38.50%	4.673%
199	21.011	20.906	21.063	VV	12620	1108371	26.48%	3.214%
200	21.121	21.063	21.179	VV	12363	801093	19.14%	2.323%
201	21.208	21.179	21.249	VV	11334	449151	10.73%	1.302%
202	21.317	21.249	21.378	VV	9663	727052	17.37%	2.108%
203	21.461	21.378	21.506	VV	8726	653889	15.62%	1.896%
204	21.521	21.506	21.616	VV	7802	464686	11.10%	1.348%
205	21.645	21.616	21.684	VV	6313	250413	5.98%	0.726%
206	21.710	21.684	21.745	VV	5682	198492	4.74%	0.576%
207	21.896	21.745	21.976	VV	4874	650493	15.54%	1.886%
208	22.004	21.976	22.089	VV	3909	219577	5.25%	0.637%
209	22.133	22.089	22.226	VV	2316	113530	2.71%	0.329%
					Sum of corrected areas:		34483854	

Aliphatic EPH 103025.M Wed Nov 26 06:49:38 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	11/17/25
Project:	186 Arlington Blvd, North Arlington	Date Received:	11/17/25
Client Sample ID:	4	SDG No.:	Q3661
Lab Sample ID:	Q3661-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.2
Sample Wt/Vol:	30.05 g	Test:	EPH_F2
Prep Method :	Final Vol: 2000 uL Prep Date : 11/25/25		

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

Aliphatic C9-C28	Aliphatic C9-C28	7.38		1	1.18	5.16	mg/kg	FE057030.D	11/26/25 3:18	PB170727
Total EPH	Total EPH	7.38			1.18	5.16	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	11/17/25
Project:	186 Arlington Blvd, North Arlington	Date Received:	11/17/25
Client Sample ID:	4	SDG No.:	Q3661
Lab Sample ID:	Q3661-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.2
Sample Wt/Vol:	30.05 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_F2
	Prep Date	11/25/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	7.38	1		1.18	5.16	mg/kg	11/26/25	PB170727
Aliphatic C28-C40	Aliphatic C28-C40	8.40	1		1.53	2.59	mg/kg	11/26/25	PB170727
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	17.3			40 - 140	35%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	21.3			40 - 140	43%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3661-06	Acq On:	26 Nov 2025 03:18
Client Sample ID:	4	Operator:	YP\AJ
Data file:	FE057030.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	3.205	6.828	409813	2.394	300	ug/ml
Aliphatic C12-C16	6.829	10.273	964916	5.398	200	ug/ml
Aliphatic C16-C21	10.274	13.645	3611693	19.365	300	ug/ml
Aliphatic C21-C28	13.646	17.314	11273833	58.485	400	ug/ml
Aliphatic C28-C40	17.315	22.241	15530439	97.483	600	ug/ml
Aliphatic EPH	3.205	22.241	31790694	183.125		ug/ml
ortho-Terphenyl (SURR)	11.942	11.942	4453578	21.32		ug/ml
1-chlorooctadecane (SURR)	13.379	13.379	2787503	17.3		ug/ml
Aliphatic C9-C28	3.205	17.314	16260255	85.642	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
Data File : FE057030.D
Signal(s) : FID1B.ch
Acq On : 26 Nov 2025 03:18
Operator : YP\AJ
Sample : Q3661-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
4

Integration File: sample.E
Quant Time: Nov 26 04:17:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 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	4453578	21.318 ug/ml
Spiked Amount 50.000		Recovery =	42.64%
12) S 1-chlorooctadecane (S...	13.379	2787503	17.301 ug/ml
Spiked Amount 50.000		Recovery =	34.60%

Target Compounds

(f)=RT Delta > 1/2 Window

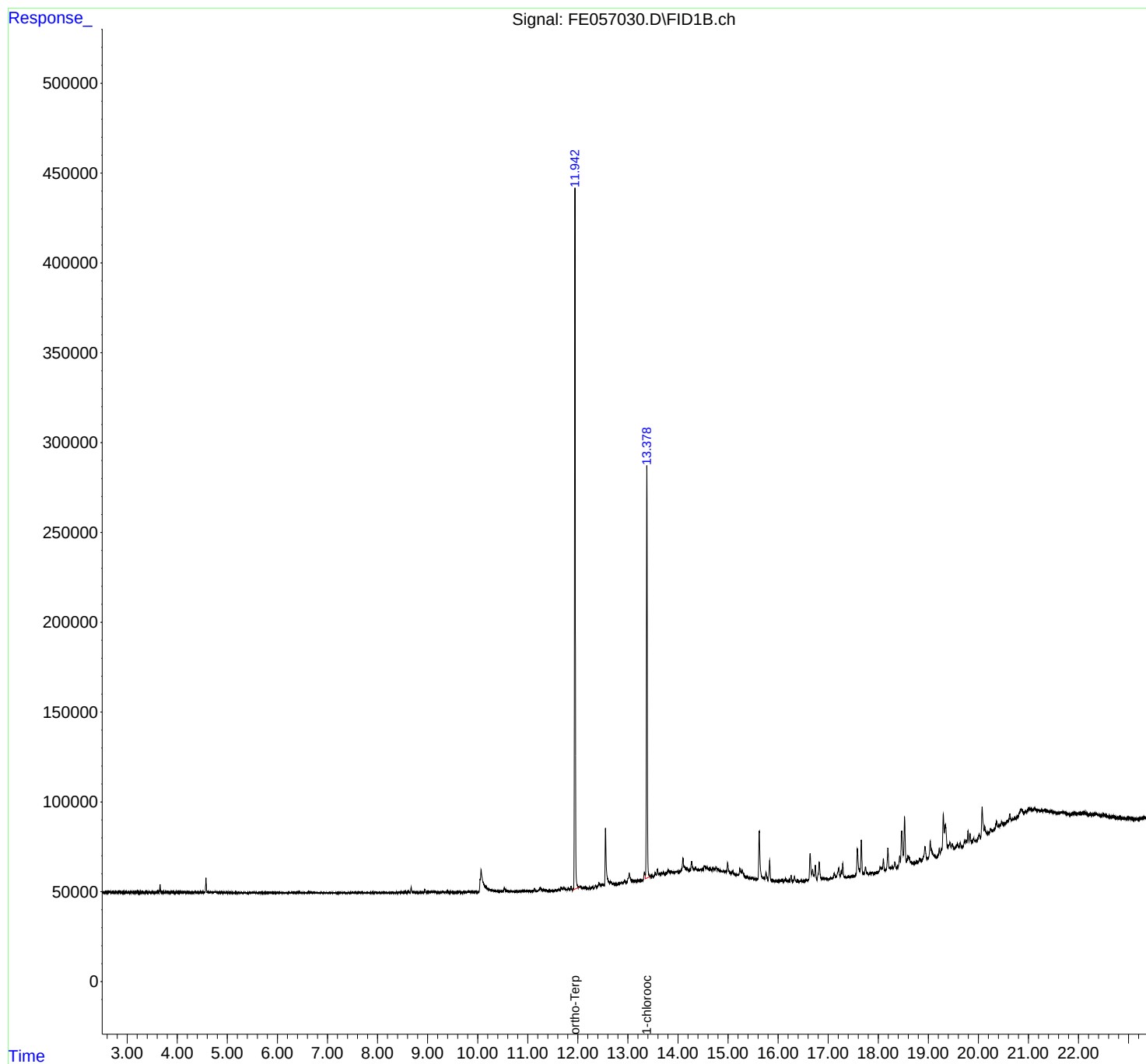
(m)=manual int.

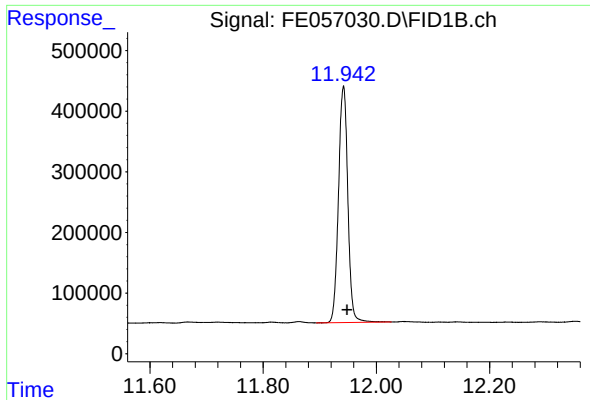
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
Data File : FE057030.D
Signal(s) : FID1B.ch
Acq On : 26 Nov 2025 03:18
Operator : YP\AJ
Sample : Q3661-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
4

Integration File: sample.E
Quant Time: Nov 26 04:17:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

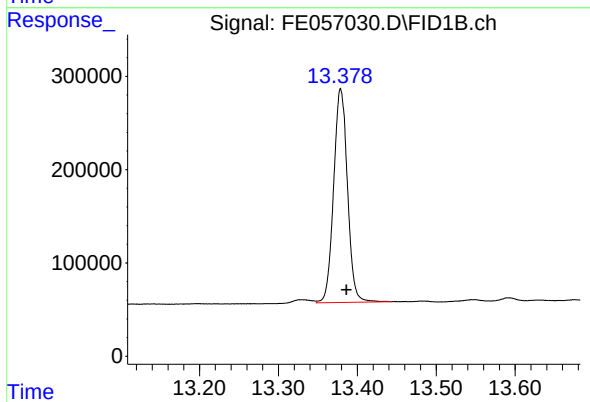




#9 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: -0.007 min
Response: 4453578
Conc: 21.32 ug/ml

Instrument :
FID_E
ClientSampleId :
4



#12 1-chlorooctadecane (SURR)

R.T.: 13.379 min
Delta R.T.: -0.007 min
Response: 2787503
Conc: 17.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
 Data File : FE057030.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 03:18
 Sample : Q3661-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.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	2.552	2.524	2.621	BV	3	-910	-0.02%	-0.002%
2	2.638	2.621	2.678	PV	83	1731	0.04%	0.004%
3	2.696	2.678	2.718	PV	286	4451	0.10%	0.011%
4	2.765	2.718	2.787	VV	179	4740	0.10%	0.012%
5	2.799	2.787	2.834	VV	141	3128	0.07%	0.008%
6	2.846	2.834	2.859	VV	131	1681	0.04%	0.004%
7	2.869	2.859	2.908	VV	143	2603	0.06%	0.007%
8	2.917	2.908	2.947	VV	116	899	0.02%	0.002%
9	3.047	2.947	3.060	VV	114	3822	0.08%	0.010%
10	3.071	3.060	3.082	VV	121	1231	0.03%	0.003%
11	3.098	3.082	3.109	VV	141	1714	0.04%	0.004%
12	3.127	3.109	3.135	VV	123	1314	0.03%	0.003%
13	3.164	3.135	3.228	VV	114	4339	0.10%	0.011%
14	3.232	3.228	3.241	VV	119	627	0.01%	0.002%
15	3.244	3.241	3.275	VV	125	1246	0.03%	0.003%
16	3.305	3.275	3.350	VV	133	3646	0.08%	0.009%
17	3.360	3.350	3.474	VV	162	6978	0.15%	0.018%
18	3.533	3.474	3.554	VV	205	4875	0.11%	0.012%
19	3.590	3.554	3.611	VV	149	3954	0.09%	0.010%
20	3.657	3.611	3.748	VV	4358	52836	1.17%	0.133%
21	3.759	3.748	3.764	VV	95	844	0.02%	0.002%
22	3.792	3.764	3.834	VV	399	7290	0.16%	0.018%
23	3.839	3.834	3.866	VV	149	2238	0.05%	0.006%
24	3.881	3.866	3.894	VV	161	2076	0.05%	0.005%
25	3.905	3.894	3.939	VV	147	3009	0.07%	0.008%
26	3.987	3.939	4.008	VV	187	4763	0.11%	0.012%
27	4.031	4.008	4.078	VV	171	5293	0.12%	0.013%
28	4.114	4.078	4.126	VV	265	5590	0.12%	0.014%
29	4.139	4.126	4.274	VV	252	14023	0.31%	0.035%
30	4.353	4.274	4.411	VV	353	14987	0.33%	0.038%
31	4.426	4.411	4.461	VV	187	5099	0.11%	0.013%
32	4.483	4.461	4.516	VV	244	6589	0.15%	0.017%
33	4.573	4.516	4.618	VV	8241	92364	2.04%	0.232%
34	4.641	4.618	4.660	VV	231	4629	0.10%	0.012%
35	4.674	4.660	4.718	VV	242	5787	0.13%	0.015%
36	4.754	4.718	4.806	VV	676	16929	0.37%	0.042%

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37	4.872	4.806	4.894	VV	215	7781	0.17%	0.020%
38	4.905	4.894	4.978	VV	171	6457	0.14%	0.016%
39	4.990	4.978	5.023	VV	172	3553	0.08%	0.009%
40	5.041	5.023	5.068	VV	164	3352	0.07%	0.008%
41	5.078	5.068	5.213	VV	172	7397	0.16%	0.019%
42	5.227	5.213	5.238	VV	127	1333	0.03%	0.003%
43	5.250	5.238	5.280	VV	141	1389	0.03%	0.003%
44	5.292	5.280	5.324	VV	107	1514	0.03%	0.004%
45	5.330	5.324	5.394	VV	97	2107	0.05%	0.005%
46	5.443	5.394	5.482	VV	253	5463	0.12%	0.014%
47	5.495	5.482	5.507	VV	146	1289	0.03%	0.003%
48	5.545	5.507	5.556	VV	222	4064	0.09%	0.010%
49	5.585	5.556	5.621	VV	142	3649	0.08%	0.009%
50	5.624	5.621	5.679	VV	160	3562	0.08%	0.009%
51	5.690	5.679	5.774	VV	206	5522	0.12%	0.014%
52	5.788	5.774	5.917	VV	186	9694	0.21%	0.024%
53	5.957	5.917	5.968	VV	204	3841	0.08%	0.010%
54	5.992	5.968	6.024	VV	219	5019	0.11%	0.013%
55	6.033	6.024	6.138	VV	191	6100	0.13%	0.015%
56	6.148	6.138	6.155	PV	93	508	0.01%	0.001%
57	6.186	6.155	6.223	VV	192	3688	0.08%	0.009%
58	6.270	6.223	6.338	VV	229	9269	0.20%	0.023%
59	6.389	6.338	6.402	VV	196	4858	0.11%	0.012%
60	6.437	6.402	6.466	VV	552	10007	0.22%	0.025%
61	6.471	6.466	6.484	VV	187	1585	0.04%	0.004%
62	6.505	6.484	6.544	VV	191	5201	0.11%	0.013%
63	6.556	6.544	6.597	VV	161	3696	0.08%	0.009%
64	6.625	6.597	6.655	VV	391	8432	0.19%	0.021%
65	6.666	6.655	6.691	VV	188	3454	0.08%	0.009%
66	6.701	6.691	6.786	VV	160	6784	0.15%	0.017%
67	6.803	6.786	6.851	VV	151	3573	0.08%	0.009%
68	6.857	6.851	6.870	VV	66	619	0.01%	0.002%
69	6.925	6.870	6.980	VV	134	4382	0.10%	0.011%
70	7.003	6.980	7.011	VV	126	1353	0.03%	0.003%
71	7.058	7.011	7.111	PV	152	5029	0.11%	0.013%
72	7.124	7.111	7.151	VV	118	1673	0.04%	0.004%
73	7.164	7.151	7.184	VV	116	1285	0.03%	0.003%
74	7.203	7.184	7.218	VV	112	1179	0.03%	0.003%
75	7.255	7.218	7.390	VV	107	9906	0.22%	0.025%
76	7.452	7.390	7.514	VV	197	7659	0.17%	0.019%
77	7.588	7.514	7.602	VV	177	6852	0.15%	0.017%
78	7.623	7.602	7.664	VV	196	6089	0.13%	0.015%
79	7.678	7.664	7.808	VV	203	9181	0.20%	0.023%
80	7.864	7.808	7.928	PV	203	4009	0.09%	0.010%
81	7.956	7.928	8.032	VV	332	8549	0.19%	0.021%
82	8.096	8.032	8.121	VV	195	4634	0.10%	0.012%
83	8.141	8.121	8.236	VV	226	6329	0.14%	0.016%
84	8.255	8.236	8.286	VV	52	1255	0.03%	0.003%
85	8.312	8.286	8.332	VV	126	2083	0.05%	0.005%
86	8.382	8.332	8.401	PV	193	4361	0.10%	0.011%
87	8.428	8.401	8.453	VV	319	5730	0.13%	0.014%
88	8.564	8.453	8.601	VV	566	19827	0.44%	0.050%
89	8.622	8.601	8.648	VV	1011	12761	0.28%	0.032%

					rteres			
90	8.671	8.648	8.853	VV	3131	47435	1.05%	0.119%
91	8.888	8.853	8.918	VV	178	2564	0.06%	0.006%
92	8.945	8.918	8.972	VV	1741	20079	0.44%	0.050%
93	8.999	8.972	9.020	VV	326	6608	0.15%	0.017%
94	9.101	9.020	9.135	VV	559	24039	0.53%	0.060%
95	9.158	9.135	9.227	VV	737	14303	0.32%	0.036%
96	9.307	9.227	9.368	VV	473	18758	0.41%	0.047%
97	9.391	9.368	9.458	VV	781	17325	0.38%	0.043%
98	9.485	9.458	9.544	VV	264	5028	0.11%	0.013%
99	9.633	9.544	9.668	VV	224	6285	0.14%	0.016%
100	9.682	9.668	9.739	PV	64	1702	0.04%	0.004%
101	9.827	9.739	9.844	VV	337	12128	0.27%	0.030%
102	9.863	9.844	9.884	VV	390	7176	0.16%	0.018%
103	9.898	9.884	9.925	VV	353	6210	0.14%	0.016%
104	9.962	9.925	9.991	VV	761	12137	0.27%	0.030%
105	10.069	9.991	10.374	PV	12223	638394	14.10%	1.602%
106	10.380	10.374	10.488	VV	639	27824	0.61%	0.070%
107	10.533	10.488	10.588	VV	2128	52742	1.17%	0.132%
108	10.602	10.588	10.688	VV	487	22291	0.49%	0.056%
109	10.703	10.688	10.744	VV	287	5368	0.12%	0.013%
110	10.796	10.744	10.821	VV	133	4860	0.11%	0.012%
111	10.839	10.821	10.861	VV	397	5376	0.12%	0.013%
112	10.913	10.861	10.957	VV	648	18530	0.41%	0.046%
113	10.988	10.957	11.011	VV	455	9421	0.21%	0.024%
114	11.027	11.011	11.094	VV	358	10152	0.22%	0.025%
115	11.137	11.094	11.191	PV	1721	25134	0.56%	0.063%
116	11.249	11.191	11.464	PV	2043	92151	2.04%	0.231%
117	11.551	11.464	11.574	PV	533	8388	0.19%	0.021%
118	11.617	11.574	11.641	VV	803	16333	0.36%	0.041%
119	11.669	11.641	11.698	VV	1696	34749	0.77%	0.087%
120	11.720	11.698	11.794	VV	1437	47199	1.04%	0.118%
121	11.815	11.794	11.839	VV	1364	20053	0.44%	0.050%
122	11.863	11.839	11.894	VV	2176	29010	0.64%	0.073%
123	11.942	11.894	12.034	VV	388778	4526318	100.00%	11.355%
124	12.050	12.034	12.098	VV	2069	56156	1.24%	0.141%
125	12.112	12.098	12.128	VV	1220	18610	0.41%	0.047%
126	12.143	12.128	12.184	VV	1487	33699	0.74%	0.085%
127	12.189	12.184	12.205	VV	809	9105	0.20%	0.023%
128	12.233	12.205	12.258	VV	997	24078	0.53%	0.060%
129	12.290	12.258	12.321	VV	1474	37653	0.83%	0.094%
130	12.351	12.321	12.374	VV	2256	44826	0.99%	0.112%
131	12.423	12.374	12.464	VV	3266	117548	2.60%	0.295%
132	12.484	12.464	12.524	VV	2506	80874	1.79%	0.203%
133	12.553	12.524	12.728	VV	32559	830540	18.35%	2.084%
134	12.750	12.728	12.804	VV	2598	114116	2.52%	0.286%
135	12.868	12.804	12.894	VV	3409	157967	3.49%	0.396%
136	12.936	12.894	12.971	VV	3977	161668	3.57%	0.406%
137	13.028	12.971	13.124	VV	8316	441382	9.75%	1.107%
138	13.139	13.124	13.161	VV	3955	82620	1.83%	0.207%
139	13.199	13.161	13.238	VV	4120	177895	3.93%	0.446%
140	13.379	13.238	13.464	VV	234294	3512753	77.61%	8.813%
141	13.482	13.464	13.508	VV	6616	159556	3.53%	0.400%

					rteres			
142	13.547	13.508	13.571	VV	7950	261790	5.78%	0.657%
143	13.592	13.571	13.614	VV	9936	213590	4.72%	0.536%
144	13.630	13.614	13.651	VV	7403	158439	3.50%	0.397%
145	13.711	13.651	13.737	VV	7828	381073	8.42%	0.956%
146	13.804	13.737	13.840	VV	9012	488426	10.79%	1.225%
147	13.856	13.840	13.908	VV	8330	322306	7.12%	0.809%
148	13.986	13.908	14.004	VV	8429	463843	10.25%	1.164%
149	14.100	14.004	14.164	VV	15356	952244	21.04%	2.389%
150	14.184	14.164	14.231	VV	9983	362467	8.01%	0.909%
151	14.272	14.231	14.324	VV	13602	567585	12.54%	1.424%
152	14.350	14.324	14.428	VV	10271	560422	12.38%	1.406%
153	14.458	14.428	14.475	VV	8843	246221	5.44%	0.618%
154	14.530	14.475	14.621	VV	10707	825350	18.23%	2.071%
155	14.641	14.621	14.678	VV	9255	302371	6.68%	0.759%
156	14.696	14.678	14.737	VV	9869	317816	7.02%	0.797%
157	14.761	14.737	14.785	VV	9803	260903	5.76%	0.655%
158	14.800	14.785	14.830	VV	8732	224681	4.96%	0.564%
159	14.847	14.830	14.891	VV	8049	274519	6.06%	0.689%
160	14.905	14.891	14.944	VV	7509	231588	5.12%	0.581%
161	14.992	14.944	15.062	VV	12120	546984	12.08%	1.372%
162	15.094	15.062	15.178	VV	7268	407510	9.00%	1.022%
163	15.238	15.178	15.260	VV	8294	302296	6.68%	0.758%
164	15.283	15.260	15.461	VV	7554	521140	11.51%	1.307%
165	15.487	15.461	15.584	VV	3193	185557	4.10%	0.466%
166	15.623	15.584	15.698	VV	28311	617397	13.64%	1.549%
167	15.715	15.698	15.733	VV	2915	55853	1.23%	0.140%
168	15.758	15.733	15.797	VV	5947	131544	2.91%	0.330%
169	15.830	15.797	16.011	VV	12450	286910	6.34%	0.720%
170	16.077	16.011	16.110	VV	1236	49749	1.10%	0.125%
171	16.146	16.110	16.194	VV	1680	47256	1.04%	0.119%
172	16.260	16.194	16.292	VV	3537	73179	1.62%	0.184%
173	16.327	16.292	16.413	VV	3054	53444	1.18%	0.134%
174	16.468	16.413	16.488	VV	286	7298	0.16%	0.018%
175	16.511	16.488	16.527	VV	166	2966	0.07%	0.007%
176	16.556	16.527	16.588	PV	570	13035	0.29%	0.033%
177	16.640	16.588	16.671	VV	15117	284779	6.29%	0.714%
178	16.689	16.671	16.717	VV	6268	118202	2.61%	0.297%
179	16.744	16.717	16.773	VV	8604	135477	2.99%	0.340%
180	16.822	16.773	17.004	VV	10028	251216	5.55%	0.630%
181	17.042	17.004	17.061	PV	536	12100	0.27%	0.030%
182	17.122	17.061	17.157	VV	2968	70788	1.56%	0.178%
183	17.209	17.157	17.241	VV	5887	142456	3.15%	0.357%
184	17.291	17.241	17.358	VV	7897	174882	3.86%	0.439%
185	17.459	17.358	17.484	VV	361	14676	0.32%	0.037%
186	17.496	17.484	17.521	VV	236	3111	0.07%	0.008%
187	17.584	17.521	17.634	PV	14843	323498	7.15%	0.812%
188	17.662	17.634	17.711	VV	19863	312575	6.91%	0.784%
189	17.745	17.711	17.811	VV	4482	97414	2.15%	0.244%
190	17.838	17.811	17.855	VV	790	12174	0.27%	0.031%
191	17.880	17.855	17.914	VV	1084	17949	0.40%	0.045%
192	18.102	17.914	18.141	PV	6866	187255	4.14%	0.470%
193	18.193	18.141	18.258	VV	12147	215863	4.77%	0.542%
194	18.280	18.258	18.304	VV	1376	24364	0.54%	0.061%

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195	18.333	18.304	18.386	VV	3546	60441	1.34%	0.152%
196	18.468	18.386	18.501	VV	19815	505399	11.17%	1.268%
197	18.526	18.501	18.561	VV	27212	462177	10.21%	1.159%
198	18.595	18.561	18.704	VV	5068	195861	4.33%	0.491%
199	18.764	18.704	18.785	PV	464	14716	0.33%	0.037%
200	18.828	18.785	18.867	VV	1956	40858	0.90%	0.103%
201	18.934	18.867	18.994	VV	7866	208670	4.61%	0.523%
202	19.039	18.994	19.161	VV	10068	308091	6.81%	0.773%
203	19.218	19.161	19.238	PV	4642	77614	1.71%	0.195%
204	19.300	19.238	19.321	VV	22477	479567	10.60%	1.203%
205	19.340	19.321	19.388	VV	16534	445160	9.83%	1.117%
206	19.432	19.388	19.455	VV	6321	196163	4.33%	0.492%
207	19.476	19.455	19.517	VV	4923	138028	3.05%	0.346%
208	19.582	19.517	19.614	VV	4394	173081	3.82%	0.434%
209	19.638	19.614	19.664	VV	4672	92875	2.05%	0.233%
210	19.793	19.664	19.813	VV	10101	384762	8.50%	0.965%
211	19.833	19.813	19.863	VV	7575	160473	3.55%	0.403%
212	19.908	19.863	19.931	VV	5092	155546	3.44%	0.390%
213	19.950	19.931	19.967	VV	3428	70993	1.57%	0.178%
214	20.016	19.967	20.041	VV	5998	202320	4.47%	0.508%
215	20.076	20.041	20.111	VV	20540	486678	10.75%	1.221%
216	20.128	20.111	20.174	VV	9712	275137	6.08%	0.690%
217	20.244	20.174	20.294	VV	7782	449950	9.94%	1.129%
218	20.365	20.294	20.418	VV	10562	595050	13.15%	1.493%
219	20.463	20.418	20.494	VV	9758	387105	8.55%	0.971%
220	20.627	20.494	20.667	VV	13031	964336	21.31%	2.419%
221	20.851	20.667	20.908	VV	13917	1562997	34.53%	3.921%
222	21.013	20.908	21.076	VV	13056	1220131	26.96%	3.061%
223	21.119	21.076	21.178	VV	12101	693857	15.33%	1.741%
224	21.204	21.178	21.234	VV	10626	349583	7.72%	0.877%
225	21.273	21.234	21.293	VV	9871	348047	7.69%	0.873%
226	21.316	21.293	21.404	VV	9657	600884	13.28%	1.507%
227	21.422	21.404	21.588	VV	8295	784992	17.34%	1.969%
228	21.648	21.588	21.691	VV	6141	354359	7.83%	0.889%
229	21.708	21.691	21.821	VV	5547	336462	7.43%	0.844%
230	21.914	21.821	21.947	VV	3332	238978	5.28%	0.600%
231	22.037	21.947	22.058	VV	2492	164132	3.63%	0.412%
232	22.105	22.058	22.208	VV	2253	136087	3.01%	0.341%
Sum of corrected areas:					39860507			

Aliphatic EPH 103025.M Wed Nov 26 06:50:08 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	11/17/25
Project:	186 Arlington Blvd, North Arlington	Date Received:	11/17/25
Client Sample ID:	5	SDG No.:	Q3661
Lab Sample ID:	Q3661-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.7
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL
Prep Method :		Prep Date :	11/25/25
		Test:	EPH_F2

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

Aliphatic C9-C28	Aliphatic C9-C28	10.8		1	1.17	5.15	mg/kg	FE057031.D	11/26/25 3:48	PB170727
Total EPH	Total EPH	10.8			1.17	5.15	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	11/17/25
Project:	186 Arlington Blvd, North Arlington	Date Received:	11/17/25
Client Sample ID:	5	SDG No.:	Q3661
Lab Sample ID:	Q3661-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.7
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_F2
	Prep Date	11/25/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	10.8	1		1.17	5.15	mg/kg	11/26/25	PB170727
Aliphatic C28-C40	Aliphatic C28-C40	7.85	1		1.52	2.57	mg/kg	11/26/25	PB170727
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	24.1			40 - 140	48%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	29.7			40 - 140	59%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3661-07	Acq On:	26 Nov 2025 03:48
Client Sample ID:	5	Operator:	YP\AJ
Data file:	FE057031.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	3.205	6.828	326686	1.909	300	ug/ml
Aliphatic C12-C16	6.829	10.273	934911	5.23	200	ug/ml
Aliphatic C16-C21	10.274	13.645	14010883	75.123	300	ug/ml
Aliphatic C21-C28	13.646	17.314	8895838	46.148	400	ug/ml
Aliphatic C28-C40	17.315	22.241	14582150	91.531	600	ug/ml
Aliphatic EPH	3.205	22.241	38750468	219.941		ug/ml
ortho-Terphenyl (SURR)	11.943	11.943	6211432	29.73		ug/ml
1-chlorooctadecane (SURR)	13.380	13.380	3891744	24.15		ug/ml
Aliphatic C9-C28	3.205	17.314	24168318	128.41	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
 Data File : FE057031.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 03:48
 Operator : YP\AJ
 Sample : Q3661-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5

Integration File: sample.E
 Quant Time: Nov 26 06:19:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 18 13:37:28 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	6211432	29.732 ug/ml
Spiked Amount 50.000		Recovery =	59.46%
12) S 1-chlorooctadecane (S...	13.380	3891744	24.155 ug/ml
Spiked Amount 50.000		Recovery =	48.31%

Target Compounds

(f)=RT Delta > 1/2 Window

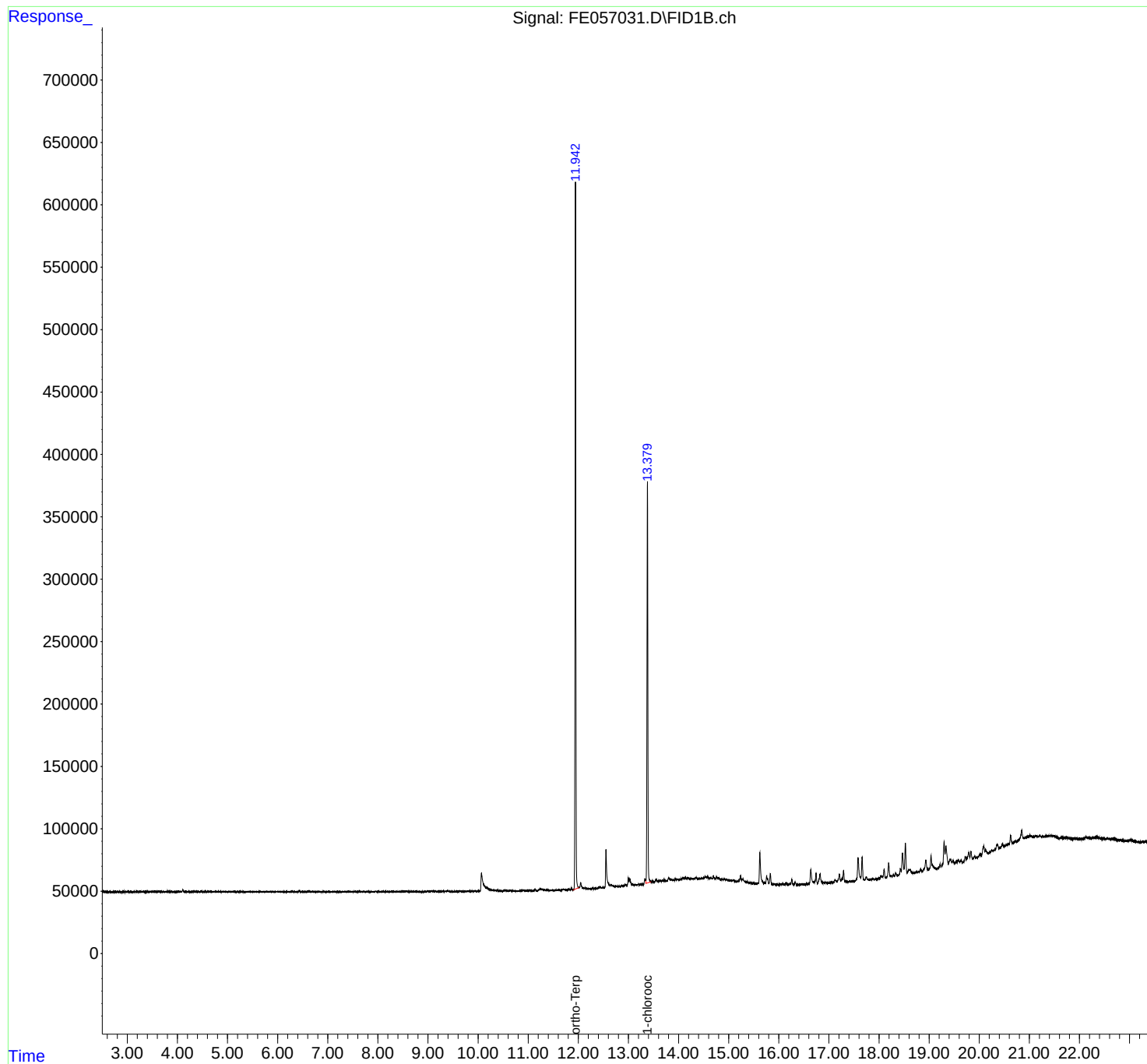
(m)=manual int.

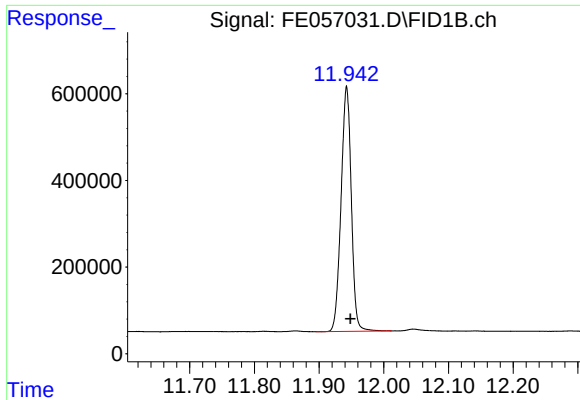
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
Data File : FE057031.D
Signal(s) : FID1B.ch
Acq On : 26 Nov 2025 03:48
Operator : YP\AJ
Sample : Q3661-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5

Integration File: sample.E
Quant Time: Nov 26 06:19:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

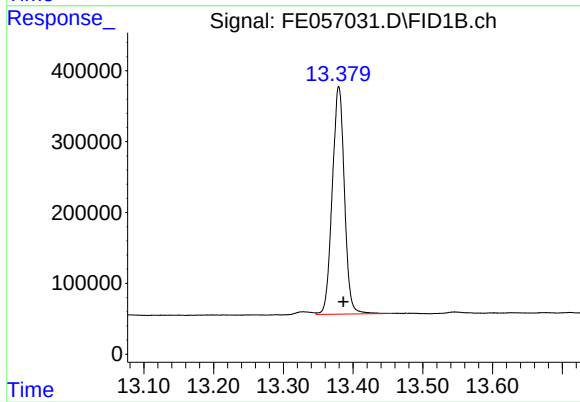




#9 ortho-Terphenyl (SURR)

R.T.: 11.943 min
Delta R.T.: -0.006 min
Response: 6211432
Conc: 29.73 ug/ml

Instrument :
FID_E
ClientSampleId :
5



#12 1-chlorooctadecane (SURR)

R.T.: 13.380 min
Delta R.T.: -0.007 min
Response: 3891744
Conc: 24.15 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
 Data File : FE057031.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 03:48
 Sample : Q3661-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.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	2.583	2.525	2.595	BV	89	685	0.01%	0.002%
2	2.601	2.595	2.617	PV	57	631	0.01%	0.002%
3	2.633	2.617	2.674	VV	107	2021	0.03%	0.005%
4	2.692	2.674	2.735	VV	71	1907	0.03%	0.005%
5	2.745	2.735	2.781	VV	103	1610	0.03%	0.004%
6	2.788	2.781	2.807	VV	93	714	0.01%	0.002%
7	2.863	2.807	2.875	VV	87	3018	0.05%	0.008%
8	2.881	2.875	2.915	VV	140	1894	0.03%	0.005%
9	2.937	2.915	2.954	VV	168	1641	0.03%	0.004%
10	2.966	2.954	2.977	PV	79	865	0.01%	0.002%
11	2.995	2.977	3.052	VV	117	3209	0.05%	0.008%
12	3.097	3.052	3.132	VV	169	4161	0.07%	0.011%
13	3.142	3.132	3.159	VV	128	1420	0.02%	0.004%
14	3.205	3.159	3.215	VV	133	3139	0.05%	0.008%
15	3.222	3.215	3.229	VV	89	711	0.01%	0.002%
16	3.235	3.229	3.243	VV	142	662	0.01%	0.002%
17	3.256	3.243	3.268	VV	127	1177	0.02%	0.003%
18	3.282	3.268	3.291	VV	129	1383	0.02%	0.004%
19	3.305	3.291	3.369	VV	175	5481	0.09%	0.014%
20	3.383	3.369	3.391	VV	139	1555	0.02%	0.004%
21	3.426	3.391	3.469	VV	176	6168	0.10%	0.016%
22	3.502	3.469	3.524	VV	173	4064	0.06%	0.010%
23	3.540	3.524	3.550	VV	160	2309	0.04%	0.006%
24	3.585	3.550	3.641	VV	263	10986	0.17%	0.028%
25	3.656	3.641	3.695	VV	293	5478	0.09%	0.014%
26	3.707	3.695	3.728	VV	243	3139	0.05%	0.008%
27	3.741	3.728	3.758	VV	189	2896	0.05%	0.007%
28	3.769	3.758	3.778	VV	151	1562	0.02%	0.004%
29	3.782	3.778	3.792	VV	191	1124	0.02%	0.003%
30	3.822	3.792	3.857	VV	212	5699	0.09%	0.015%
31	3.877	3.857	3.888	VV	189	2691	0.04%	0.007%
32	3.896	3.888	3.919	VV	185	2621	0.04%	0.007%
33	3.996	3.919	4.065	VV	186	11585	0.18%	0.030%
34	4.108	4.065	4.205	VV	1774	28057	0.45%	0.072%
35	4.210	4.205	4.255	VV	158	3560	0.06%	0.009%
36	4.259	4.255	4.268	VV	203	1014	0.02%	0.003%

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37	4.275	4.268	4.308	VV	130	3363	0.05%	0.009%
38	4.353	4.308	4.428	VV	264	14289	0.23%	0.037%
39	4.435	4.428	4.441	VV	227	1552	0.02%	0.004%
40	4.464	4.441	4.488	VV	239	5721	0.09%	0.015%
41	4.514	4.488	4.537	VV	271	6186	0.10%	0.016%
42	4.559	4.537	4.579	VV	301	5790	0.09%	0.015%
43	4.621	4.579	4.675	VV	262	11684	0.19%	0.030%
44	4.680	4.675	4.717	VV	269	4028	0.06%	0.010%
45	4.739	4.717	4.768	VV	317	7094	0.11%	0.018%
46	4.777	4.768	4.835	VV	388	9054	0.14%	0.023%
47	4.842	4.835	4.882	VV	167	3879	0.06%	0.010%
48	4.898	4.882	4.951	VV	195	5730	0.09%	0.015%
49	4.961	4.951	5.043	VV	203	7300	0.12%	0.019%
50	5.052	5.043	5.085	VV	164	2749	0.04%	0.007%
51	5.093	5.085	5.099	VV	124	844	0.01%	0.002%
52	5.110	5.099	5.129	VV	197	2182	0.03%	0.006%
53	5.147	5.129	5.163	VV	146	2522	0.04%	0.007%
54	5.174	5.163	5.191	VV	107	1745	0.03%	0.004%
55	5.218	5.191	5.267	VV	169	4292	0.07%	0.011%
56	5.284	5.267	5.321	VV	151	2484	0.04%	0.006%
57	5.327	5.321	5.358	VV	31	731	0.01%	0.002%
58	5.387	5.358	5.445	PV	102	2431	0.04%	0.006%
59	5.468	5.445	5.500	VV	95	2393	0.04%	0.006%
60	5.541	5.500	5.583	VV	247	6964	0.11%	0.018%
61	5.595	5.583	5.607	VV	169	1847	0.03%	0.005%
62	5.621	5.607	5.676	VV	179	4600	0.07%	0.012%
63	5.698	5.676	5.725	VV	201	3826	0.06%	0.010%
64	5.731	5.725	5.743	VV	173	1018	0.02%	0.003%
65	5.750	5.743	5.791	VV	123	2141	0.03%	0.006%
66	5.811	5.791	5.822	VV	244	2618	0.04%	0.007%
67	5.829	5.822	5.848	VV	225	2199	0.03%	0.006%
68	5.862	5.848	5.877	VV	167	2202	0.03%	0.006%
69	5.888	5.877	5.902	VV	182	1843	0.03%	0.005%
70	5.929	5.902	5.972	VV	171	5068	0.08%	0.013%
71	6.004	5.972	6.022	VV	176	4168	0.07%	0.011%
72	6.030	6.022	6.044	VV	147	1435	0.02%	0.004%
73	6.055	6.044	6.135	VV	142	5069	0.08%	0.013%
74	6.139	6.135	6.151	VV	112	765	0.01%	0.002%
75	6.172	6.151	6.205	VV	153	2975	0.05%	0.008%
76	6.269	6.205	6.295	VV	243	7480	0.12%	0.019%
77	6.315	6.295	6.400	VV	200	9045	0.14%	0.023%
78	6.437	6.400	6.485	VV	606	11574	0.18%	0.030%
79	6.516	6.485	6.558	VV	153	5156	0.08%	0.013%
80	6.625	6.558	6.662	VV	428	13617	0.22%	0.035%
81	6.671	6.662	6.717	VV	240	5948	0.09%	0.015%
82	6.730	6.717	6.748	VV	262	3046	0.05%	0.008%
83	6.753	6.748	6.765	VV	168	1455	0.02%	0.004%
84	6.783	6.765	6.795	VV	146	2201	0.03%	0.006%
85	6.799	6.795	6.811	VV	161	1180	0.02%	0.003%
86	6.817	6.811	6.851	VV	126	2142	0.03%	0.006%
87	6.865	6.851	6.875	VV	74	887	0.01%	0.002%
88	6.879	6.875	6.911	VV	112	1591	0.03%	0.004%
89	6.916	6.911	6.939	VV	145	1204	0.02%	0.003%

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90	6.968	6.939	7.005	VV	113	2437	0.04%	0.006%
91	7.029	7.005	7.048	PV	173	2426	0.04%	0.006%
92	7.088	7.048	7.101	VV	173	3044	0.05%	0.008%
93	7.144	7.101	7.211	VV	176	5662	0.09%	0.015%
94	7.239	7.211	7.265	VV	162	3482	0.06%	0.009%
95	7.318	7.265	7.329	VV	134	4196	0.07%	0.011%
96	7.350	7.329	7.398	VV	158	4561	0.07%	0.012%
97	7.411	7.398	7.437	VV	195	3060	0.05%	0.008%
98	7.451	7.437	7.478	VV	271	3602	0.06%	0.009%
99	7.485	7.478	7.495	VV	149	1312	0.02%	0.003%
100	7.501	7.495	7.511	VV	135	1094	0.02%	0.003%
101	7.538	7.511	7.575	VV	132	4296	0.07%	0.011%
102	7.626	7.575	7.638	VV	229	5959	0.09%	0.015%
103	7.645	7.638	7.661	VV	196	2508	0.04%	0.006%
104	7.677	7.661	7.698	VV	279	4213	0.07%	0.011%
105	7.714	7.698	7.750	VV	212	4027	0.06%	0.010%
106	7.788	7.750	7.912	VV	150	7384	0.12%	0.019%
107	7.951	7.912	8.019	VV	461	10075	0.16%	0.026%
108	8.102	8.019	8.125	VV	209	5970	0.09%	0.015%
109	8.138	8.125	8.194	VV	290	6087	0.10%	0.016%
110	8.204	8.194	8.241	VV	142	2693	0.04%	0.007%
111	8.257	8.241	8.270	VV	154	1635	0.03%	0.004%
112	8.278	8.270	8.295	VV	86	1019	0.02%	0.003%
113	8.336	8.295	8.344	VV	133	2994	0.05%	0.008%
114	8.379	8.344	8.408	VV	247	5432	0.09%	0.014%
115	8.478	8.408	8.495	VV	228	8402	0.13%	0.022%
116	8.501	8.495	8.511	VV	196	1909	0.03%	0.005%
117	8.562	8.511	8.625	VV	553	18000	0.29%	0.046%
118	8.671	8.625	8.690	VV	248	5115	0.08%	0.013%
119	8.716	8.690	8.738	VV	206	3870	0.06%	0.010%
120	8.761	8.738	8.788	VV	482	6870	0.11%	0.018%
121	8.802	8.788	8.861	PV	121	3090	0.05%	0.008%
122	8.885	8.861	8.910	VV	159	2306	0.04%	0.006%
123	8.922	8.910	8.939	VV	79	1107	0.02%	0.003%
124	8.949	8.939	8.956	VV	85	651	0.01%	0.002%
125	8.993	8.956	9.033	PV	376	8931	0.14%	0.023%
126	9.100	9.033	9.146	VV	508	20058	0.32%	0.052%
127	9.160	9.146	9.192	VV	221	4160	0.07%	0.011%
128	9.254	9.192	9.281	VV	179	6915	0.11%	0.018%
129	9.304	9.281	9.325	VV	383	7576	0.12%	0.020%
130	9.347	9.325	9.358	VV	236	4304	0.07%	0.011%
131	9.391	9.358	9.456	VV	705	16632	0.26%	0.043%
132	9.471	9.456	9.549	VV	129	3583	0.06%	0.009%
133	9.602	9.549	9.616	VV	126	3906	0.06%	0.010%
134	9.635	9.616	9.748	VV	373	6906	0.11%	0.018%
135	9.812	9.748	9.844	PV	456	16346	0.26%	0.042%
136	9.856	9.844	9.916	VV	386	12715	0.20%	0.033%
137	9.957	9.916	9.980	VV	284	6981	0.11%	0.018%
138	10.008	9.980	10.033	VV	418	5638	0.09%	0.015%
139	10.067	10.033	10.158	PV	14708	453570	7.21%	1.170%
140	10.168	10.158	10.475	VV	3119	202520	3.22%	0.522%
141	10.534	10.475	10.587	VV	1092	35065	0.56%	0.090%

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142	10.610	10.587	10.628	VV	387	8419	0.13%	0.022%
143	10.656	10.628	10.695	VV	396	11523	0.18%	0.030%
144	10.707	10.695	10.735	VV	236	4071	0.06%	0.010%
145	10.749	10.735	10.758	VV	95	861	0.01%	0.002%
146	10.795	10.758	10.817	VV	218	4727	0.08%	0.012%
147	10.838	10.817	10.859	VV	390	6382	0.10%	0.016%
148	10.885	10.859	10.897	VV	431	6951	0.11%	0.018%
149	10.912	10.897	10.963	VV	722	13397	0.21%	0.035%
150	10.982	10.963	11.008	VV	308	6188	0.10%	0.016%
151	11.024	11.008	11.085	VV	402	10332	0.16%	0.027%
152	11.136	11.085	11.191	PV	1437	22676	0.36%	0.058%
153	11.235	11.191	11.409	VV	1403	99551	1.58%	0.257%
154	11.421	11.409	11.523	VV	262	11530	0.18%	0.030%
155	11.550	11.523	11.577	PV	770	11339	0.18%	0.029%
156	11.618	11.577	11.655	VV	840	19924	0.32%	0.051%
157	11.701	11.655	11.761	VV	717	32866	0.52%	0.085%
158	11.816	11.761	11.841	VV	1077	22360	0.36%	0.058%
159	11.863	11.841	11.895	VV	1896	25171	0.40%	0.065%
160	11.942	11.895	12.021	VV	561786	6293087	100.00%	16.230%
161	12.047	12.021	12.205	VV	5828	208813	3.32%	0.539%
162	12.231	12.205	12.257	VV	895	23764	0.38%	0.061%
163	12.289	12.257	12.320	VV	1426	33942	0.54%	0.088%
164	12.349	12.320	12.375	VV	1445	31371	0.50%	0.081%
165	12.434	12.375	12.471	VV	1645	75099	1.19%	0.194%
166	12.496	12.471	12.528	VV	1728	50334	0.80%	0.130%
167	12.553	12.528	12.633	VV	31468	600449	9.54%	1.549%
168	12.650	12.633	12.729	VV	3661	161814	2.57%	0.417%
169	12.751	12.729	12.795	VV	2396	83599	1.33%	0.216%
170	12.865	12.795	12.887	VV	2583	122285	1.94%	0.315%
171	12.936	12.887	12.971	VV	3384	140671	2.24%	0.363%
172	12.999	12.971	13.105	VV	8610	402930	6.40%	1.039%
173	13.144	13.105	13.161	VV	2996	100692	1.60%	0.260%
174	13.198	13.161	13.241	VV	3301	150566	2.39%	0.388%
175	13.257	13.241	13.273	VV	3313	62940	1.00%	0.162%
176	13.379	13.273	13.471	VV	326029	4462799	70.92%	11.510%
177	13.480	13.471	13.507	VV	5381	111964	1.78%	0.289%
178	13.547	13.507	13.588	VV	7079	286339	4.55%	0.738%
179	13.630	13.588	13.661	VV	6019	254092	4.04%	0.655%
180	13.676	13.661	13.693	VV	6135	111605	1.77%	0.288%
181	13.711	13.693	13.758	VV	6447	226105	3.59%	0.583%
182	13.804	13.758	13.901	VV	7726	563772	8.96%	1.454%
183	13.975	13.901	14.025	VV	6785	478867	7.61%	1.235%
184	14.086	14.025	14.108	VV	8314	355092	5.64%	0.916%
185	14.131	14.108	14.161	VV	8224	239671	3.81%	0.618%
186	14.185	14.161	14.238	VV	7823	327834	5.21%	0.845%
187	14.278	14.238	14.325	VV	7091	357403	5.68%	0.922%
188	14.350	14.325	14.390	VV	8097	281841	4.48%	0.727%
189	14.415	14.390	14.431	VV	6910	165969	2.64%	0.428%
190	14.460	14.431	14.478	VV	6987	190651	3.03%	0.492%
191	14.537	14.478	14.625	VV	8105	648807	10.31%	1.673%
192	14.642	14.625	14.675	VV	7703	208687	3.32%	0.538%
193	14.696	14.675	14.738	VV	8866	274053	4.35%	0.707%
194	14.760	14.738	14.781	VV	7890	184392	2.93%	0.476%

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195	14.800	14.781	14.851	VV	7000	263510	4.19%	0.680%
196	14.863	14.851	14.935	VV	5879	282822	4.49%	0.729%
197	14.952	14.935	15.065	VV	5758	394628	6.27%	1.018%
198	15.093	15.065	15.173	VV	5046	277906	4.42%	0.717%
199	15.236	15.173	15.261	VV	8174	277090	4.40%	0.715%
200	15.283	15.261	15.418	VV	5745	345939	5.50%	0.892%
201	15.430	15.418	15.548	VV	2592	162196	2.58%	0.418%
202	15.623	15.548	15.735	VV	26344	635612	10.10%	1.639%
203	15.759	15.735	15.802	VV	7278	175327	2.79%	0.452%
204	15.831	15.802	15.875	VV	9471	162262	2.58%	0.418%
205	15.891	15.875	16.013	VV	1054	57245	0.91%	0.148%
206	16.081	16.013	16.112	VV	1029	37782	0.60%	0.097%
207	16.145	16.112	16.195	VV	1358	37301	0.59%	0.096%
208	16.260	16.195	16.294	VV	4469	82343	1.31%	0.212%
209	16.327	16.294	16.371	VV	2214	36129	0.57%	0.093%
210	16.396	16.371	16.425	VV	233	3810	0.06%	0.010%
211	16.457	16.425	16.524	PV	419	7335	0.12%	0.019%
212	16.562	16.524	16.582	PV	503	9494	0.15%	0.024%
213	16.639	16.582	16.691	VV	11739	242717	3.86%	0.626%
214	16.744	16.691	16.774	VV	8817	158156	2.51%	0.408%
215	16.823	16.774	16.908	VV	7508	195702	3.11%	0.505%
216	16.930	16.908	17.000	VV	651	24549	0.39%	0.063%
217	17.122	17.000	17.157	PV	2515	75508	1.20%	0.195%
218	17.210	17.157	17.239	VV	6826	146395	2.33%	0.378%
219	17.292	17.239	17.381	VV	9402	189331	3.01%	0.488%
220	17.454	17.381	17.472	PV	401	13218	0.21%	0.034%
221	17.583	17.472	17.635	VV	18475	411953	6.55%	1.062%
222	17.663	17.635	17.713	VV	19149	299557	4.76%	0.773%
223	17.745	17.713	17.808	VV	3120	70767	1.12%	0.183%
224	17.839	17.808	17.858	VV	647	12615	0.20%	0.033%
225	17.878	17.858	17.915	VV	832	16490	0.26%	0.043%
226	17.944	17.915	17.965	PV	422	6876	0.11%	0.018%
227	18.039	17.965	18.075	PV	2252	65505	1.04%	0.169%
228	18.102	18.075	18.141	VV	7061	110828	1.76%	0.286%
229	18.192	18.141	18.255	VV	11625	211994	3.37%	0.547%
230	18.279	18.255	18.301	VV	1292	23056	0.37%	0.059%
231	18.332	18.301	18.391	VV	2799	51293	0.82%	0.132%
232	18.468	18.391	18.498	VV	17683	424080	6.74%	1.094%
233	18.526	18.498	18.563	VV	25277	423540	6.73%	1.092%
234	18.620	18.563	18.693	VV	3841	149968	2.38%	0.387%
235	18.831	18.693	18.864	PV	1983	58792	0.93%	0.152%
236	18.934	18.864	18.995	VV	8999	214666	3.41%	0.554%
237	19.038	18.995	19.155	VV	11625	288767	4.59%	0.745%
238	19.218	19.155	19.237	PV	3646	61929	0.98%	0.160%
239	19.299	19.237	19.319	VV	20846	406218	6.45%	1.048%
240	19.336	19.319	19.388	VV	17122	402820	6.40%	1.039%
241	19.420	19.388	19.457	VV	5507	181707	2.89%	0.469%
242	19.479	19.457	19.511	VV	3634	94556	1.50%	0.244%
243	19.539	19.511	19.555	VV	3309	68095	1.08%	0.176%
244	19.580	19.555	19.611	VV	3804	99995	1.59%	0.258%
245	19.637	19.611	19.665	VV	3527	78799	1.25%	0.203%
246	19.722	19.665	19.741	VV	5372	135727	2.16%	0.350%

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247	19.791	19.741	19.812	VV	8243	239811	3.81%	0.618%
248	19.834	19.812	19.878	VV	8315	197424	3.14%	0.509%
249	19.910	19.878	19.935	VV	4258	113799	1.81%	0.293%
250	20.017	19.935	20.048	VV	5068	259027	4.12%	0.668%
251	20.089	20.048	20.178	VV	10754	553557	8.80%	1.428%
252	20.249	20.178	20.265	VV	6230	276981	4.40%	0.714%
253	20.363	20.265	20.394	VV	10134	574412	9.13%	1.481%
254	20.463	20.394	20.491	VV	9818	457635	7.27%	1.180%
255	20.627	20.491	20.664	VV	15337	970600	15.42%	2.503%
256	20.729	20.664	20.745	VV	9860	453982	7.21%	1.171%
257	20.847	20.745	20.901	VV	17503	1116244	17.74%	2.879%
258	21.015	20.901	21.066	VV	12111	1118667	17.78%	2.885%
259	21.121	21.066	21.178	VV	11139	707450	11.24%	1.825%
260	21.208	21.178	21.241	VV	10995	382241	6.07%	0.986%
261	21.268	21.241	21.288	VV	9250	258872	4.11%	0.668%
262	21.309	21.288	21.333	VV	9186	244405	3.88%	0.630%
263	21.434	21.333	21.608	VV	8749	1265496	20.11%	3.264%
264	21.646	21.608	21.681	VV	5566	231384	3.68%	0.597%
265	21.733	21.681	21.768	VV	4959	238795	3.79%	0.616%
266	21.774	21.768	21.871	VV	4134	203183	3.23%	0.524%
267	21.897	21.871	21.968	VV	2743	138825	2.21%	0.358%
268	21.981	21.968	22.044	VV	1883	68804	1.09%	0.177%
269	22.136	22.044	22.245	VV	1874	126745	2.01%	0.327%
Sum of corrected areas:					38774245			

Aliphatic EPH 103025.M Wed Nov 26 06:50:25 2025



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FE103025AL

AreaCount

Parameter Range	FE056575.D	FE056576.D	FE056577.D	FE056578.D	FE056579.D	
Aliphatic C9-C12	47378340.000	25372826.000	10134874.000	5323968.000	2735296.000	
Aliphatic C12-C16	32958436.000	17867364.000	7039199.000	3707774.000	1889371.000	
Aliphatic C16-C21	50634896.000	27807189.000	10962966.000	5844076.000	3012669.000	
Aliphatic C21-C28	65391355.000	36849784.000	14322959.000	8150425.000	4666116.000	
Aliphatic C28-C40	76863576.000	43549713.000	17723612.000	10141838.000	6197225.000	
Aliphatic EPH	273226603.000	151446876.000	60183610.000	33168081.000	18500677.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	171162.641333	5.459				
Aliphatic C12-C16	178754.319	5.236				
Aliphatic C16-C21	186505.4959998	6.59				
Aliphatic C21-C28	192766.144	13.927				
Aliphatic C28-C40	159314.647333	18.927				
Aliphatic EPH	175414.750555	11.628				

Concentration

Parameter Range	FE056575.D	FE056576.D	FE056577.D	FE056578.D	FE056579.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	FE056575.D	FE056576.D	FE056577.D	FE056578.D	FE056579.D	
Aliphatic C9-C12	157927.800000	169152.173333	168914.566666	177465.600000	182353.066666	
Aliphatic C12-C16	164792.180000	178673.640000	175979.975000	185388.700000	188937.100000	
Aliphatic C16-C21	168782.986666	185381.260000	182716.100000	194802.533333	200844.600000	

Initial Calibration Report for SequenceID : FE103025AL

Aliphatic C21-C28	163478.387500	184248.920000	179036.987500	203760.625000	233305.800000	
Aliphatic C28-C40	128105.960000	145165.710000	147696.766666	169030.633333	206574.166666	
Aliphatic EPH	151792.557222	168274.306666	167176.694444	184267.116666	205563.077777	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
 Data File : FE056575.D
 Signal(s) : FID1B.ch
 Acq On : 30 Oct 2025 10:20
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Oct 30 12:03:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 30 11:59:52 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)	11.992	19059851	96.235 ug/ml
Spiked Amount 50.000		Recovery =	192.47%
12) S 1-chlorooctadecane (S...	13.427	14749289	96.361 ug/ml
Spiked Amount 50.000		Recovery =	192.72%
Target Compounds			
1) T n-Nonane (C9)	3.337	15510371	96.767 ug/ml
2) T n-Decane (C10)	4.591	15797359	96.498 ug/ml
3) T A~Naphthalene (C11.7)	6.308	17418486	97.460 ug/ml
4) T n-Dodecane (C12)	6.765	16070610	96.653 ug/ml
5) T A~2-methylnaphthalene...	7.409	16955970	98.036 ug/ml
6) T n-Tetradecane (C14)	8.601	16108586	96.787 ug/ml
7) T n-Hexadecane (C16)	10.215	16849850	96.650 ug/ml
8) T n-Octadecane (C18)	11.666	17249418	96.237 ug/ml
10) T n-Eicosane (C20)	12.979	16787284	95.930 ug/ml
11) T n-Heneicosane (C21)	13.593	16598194	95.935 ug/ml
13) T n-Docosane (C22)	14.181	16594646	95.890 ug/ml
14) T n-Tetracosane (C24)	15.288	16611261	95.631 ug/ml
15) T n-Hexacosane (C26)	16.313	16325668	95.495 ug/ml
16) T n-Octacosane (C28)	17.266	15859780	94.791 ug/ml
17) T n-Tricontane (C30)	18.155	15787066	93.066 ug/ml
18) T n-Dotriacontane (C32)	18.990	14882432	91.297 ug/ml
19) T n-Tetratriacontane (C34)	19.776	13398021	91.103 ug/ml
20) T n-Hexatriacontane (C36)	20.516	11781393	92.518 ug/ml
21) T n-Octatriacontane (C38)	21.272	10906555	95.307 ug/ml
22) T n-Tetracontane (C40)	22.223	10108109	95.430 ug/ml

(f)=RT Delta > 1/2 Window

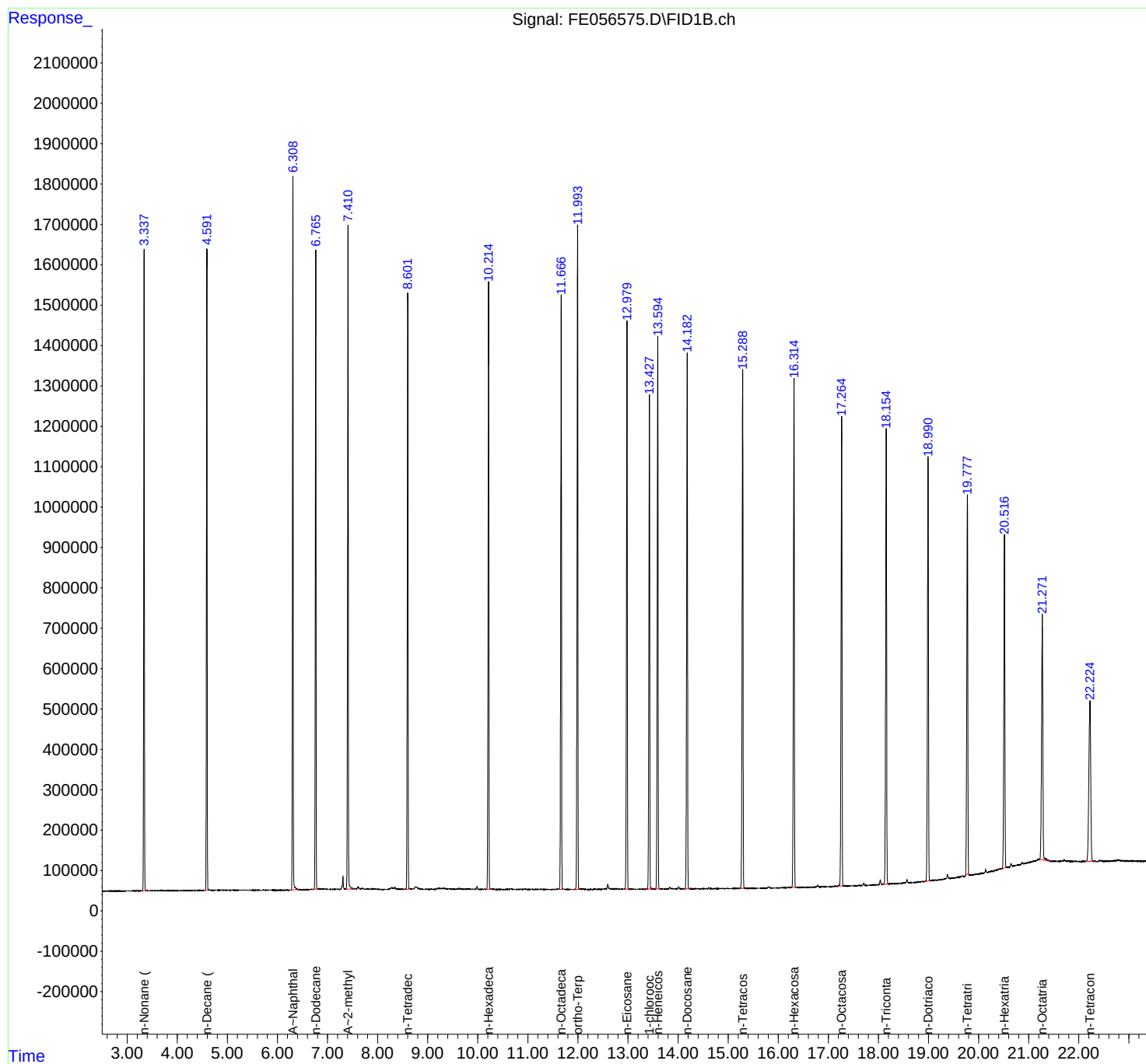
(m)=manual int.

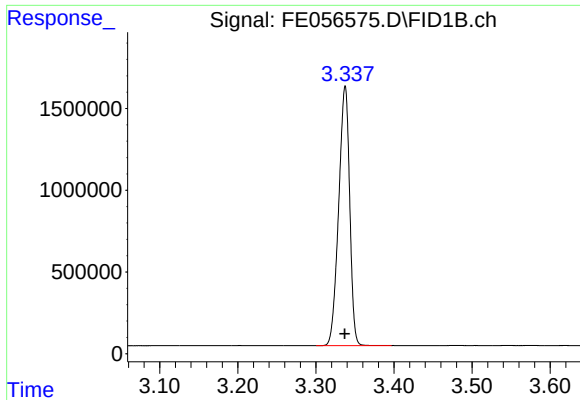
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056575.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 10:20
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 30 12:03:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 11:59:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

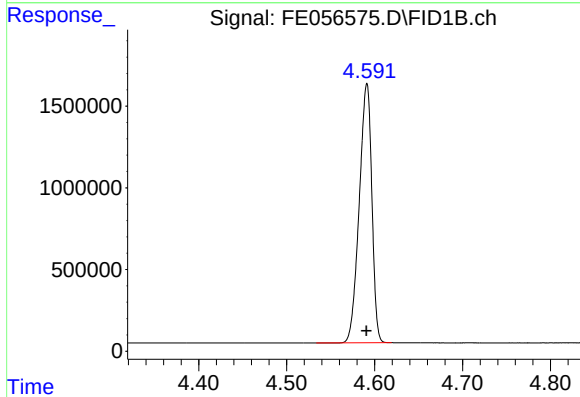




#1 n-Nonane (C9)

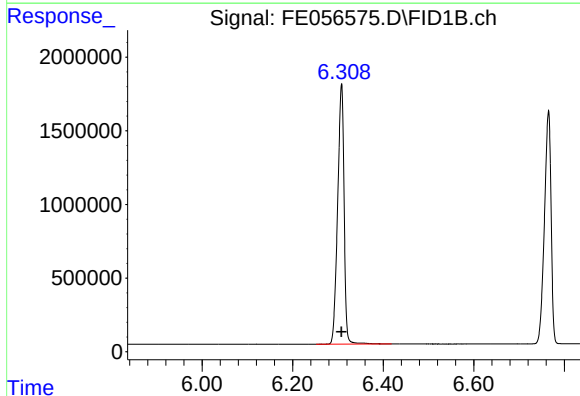
R.T.: 3.337 min
Delta R.T.: 0.000 min
Response: 15510371
Conc: 96.77 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



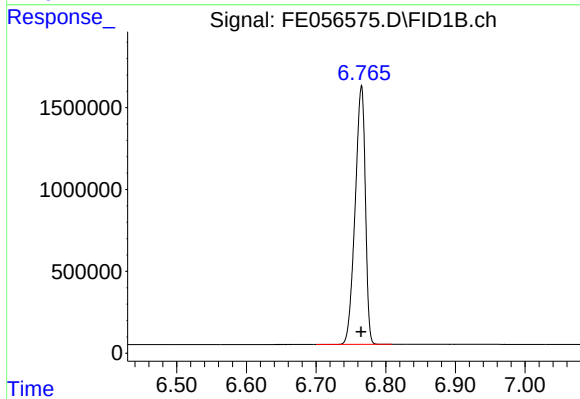
#2 n-Decane (C10)

R.T.: 4.591 min
Delta R.T.: 0.000 min
Response: 15797359
Conc: 96.50 ug/ml



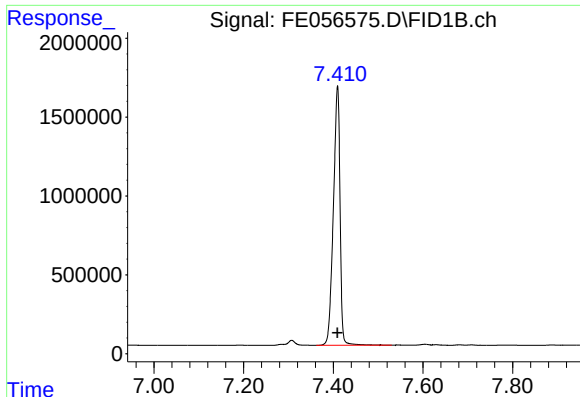
#3 A~Naphthalene (C11.7)

R.T.: 6.308 min
Delta R.T.: 0.000 min
Response: 17418486
Conc: 97.46 ug/ml



#4 n-Dodecane (C12)

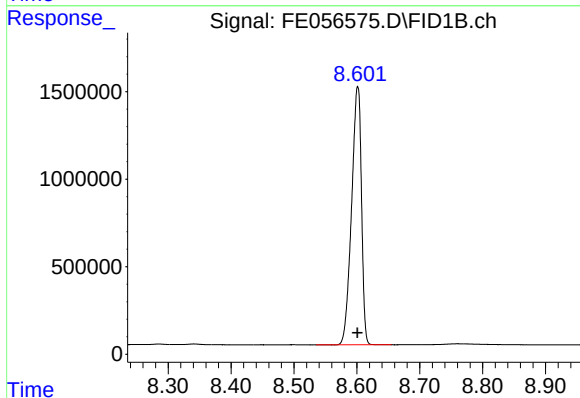
R.T.: 6.765 min
Delta R.T.: 0.000 min
Response: 16070610
Conc: 96.65 ug/ml



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

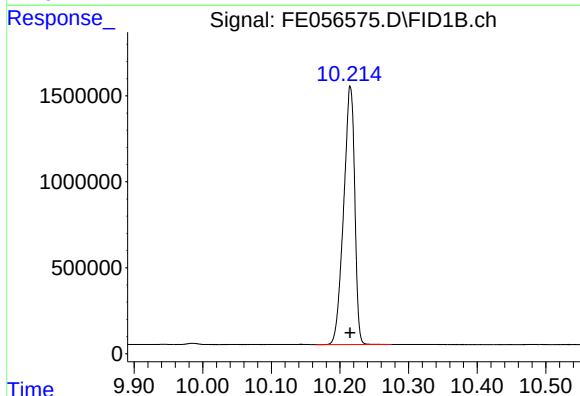
R.T.: 7.409 min
Delta R.T.: 0.000 min
Response: 16955970
Conc: 98.04 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



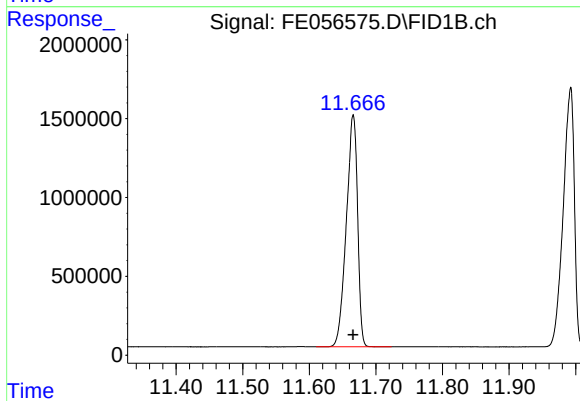
#6 n-Tetradecane (C14)

R.T.: 8.601 min
Delta R.T.: 0.000 min
Response: 16108586
Conc: 96.79 ug/ml



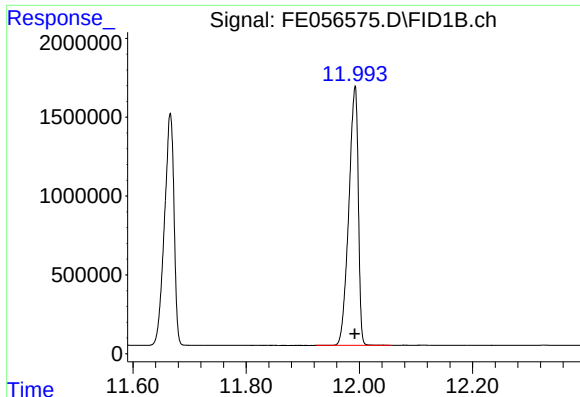
#7 n-Hexadecane (C16)

R.T.: 10.215 min
Delta R.T.: 0.000 min
Response: 16849850
Conc: 96.65 ug/ml



#8 n-Octadecane (C18)

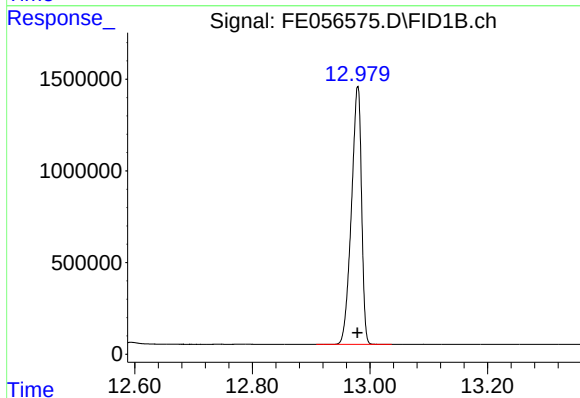
R.T.: 11.666 min
Delta R.T.: 0.000 min
Response: 17249418
Conc: 96.24 ug/ml



#9 ortho-Terphenyl (SURR)

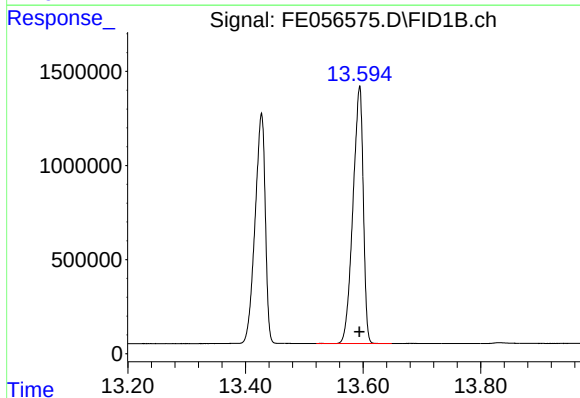
R.T.: 11.992 min
Delta R.T.: 0.000 min
Response: 19059851
Conc: 96.24 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



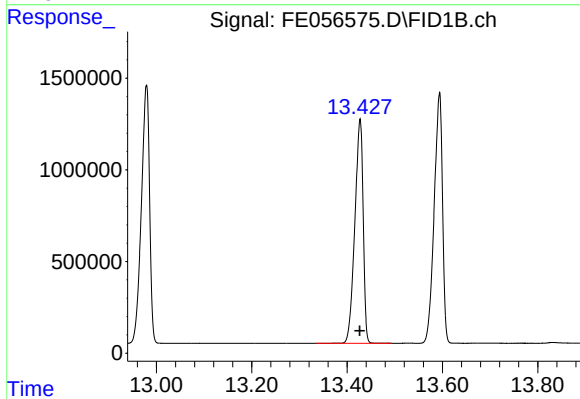
#10 n-Eicosane (C20)

R.T.: 12.979 min
Delta R.T.: 0.000 min
Response: 16787284
Conc: 95.93 ug/ml



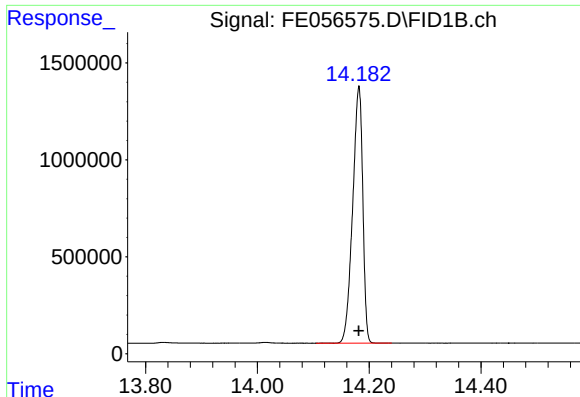
#11 n-Heneicosane (C21)

R.T.: 13.593 min
Delta R.T.: 0.000 min
Response: 16598194
Conc: 95.93 ug/ml



#12 1-chlorooctadecane (SURR)

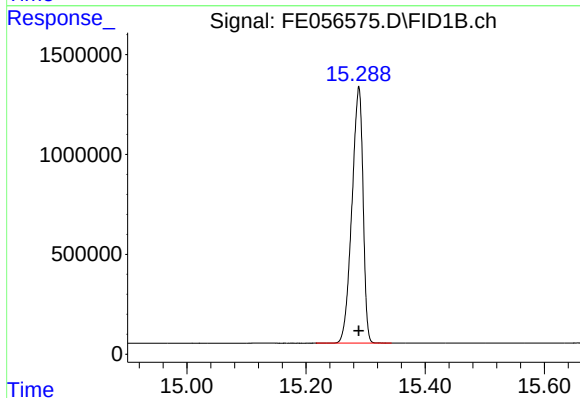
R.T.: 13.427 min
Delta R.T.: 0.000 min
Response: 14749289
Conc: 96.36 ug/ml



#13 n-Docosane (C22)

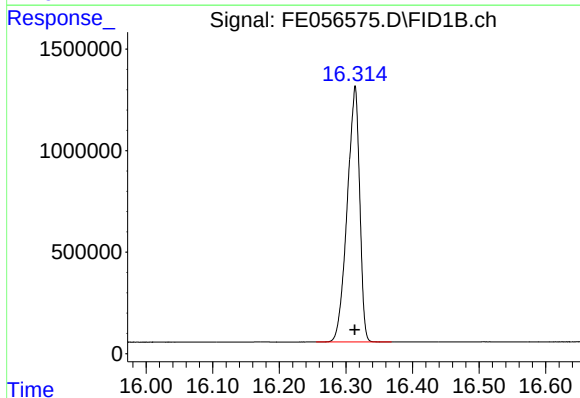
R.T.: 14.181 min
Delta R.T.: 0.000 min
Response: 16594646
Conc: 95.89 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



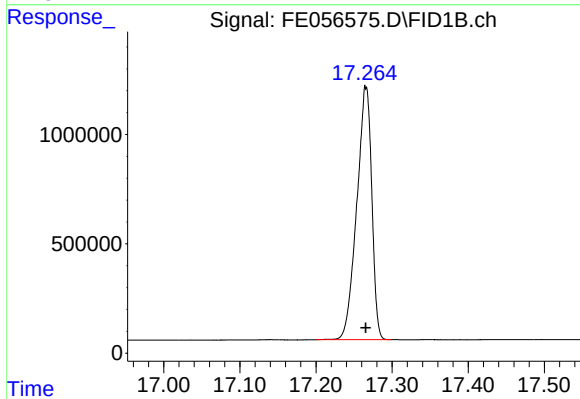
#14 n-Tetracosane (C24)

R.T.: 15.288 min
Delta R.T.: 0.000 min
Response: 16611261
Conc: 95.63 ug/ml



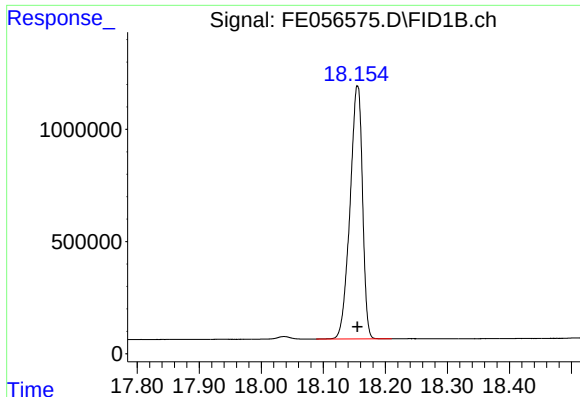
#15 n-Hexacosane (C26)

R.T.: 16.313 min
Delta R.T.: 0.000 min
Response: 16325668
Conc: 95.50 ug/ml



#16 n-Octacosane (C28)

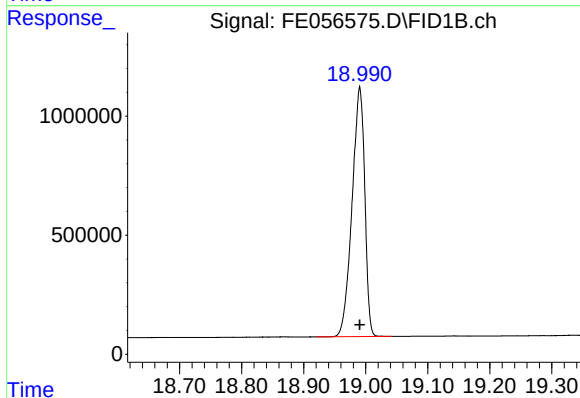
R.T.: 17.266 min
Delta R.T.: 0.000 min
Response: 15859780
Conc: 94.79 ug/ml



#17 n-Tricontane (C30)

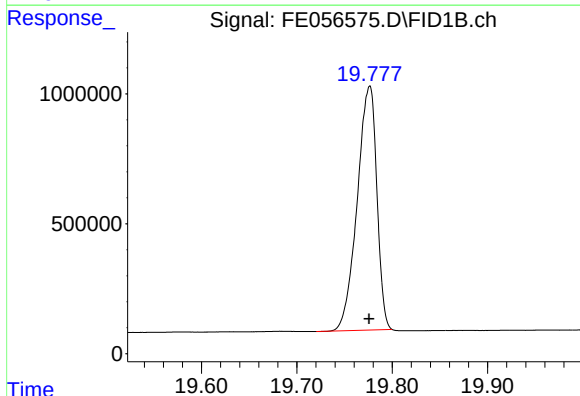
R.T.: 18.155 min
Delta R.T.: 0.000 min
Response: 15787066
Conc: 93.07 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



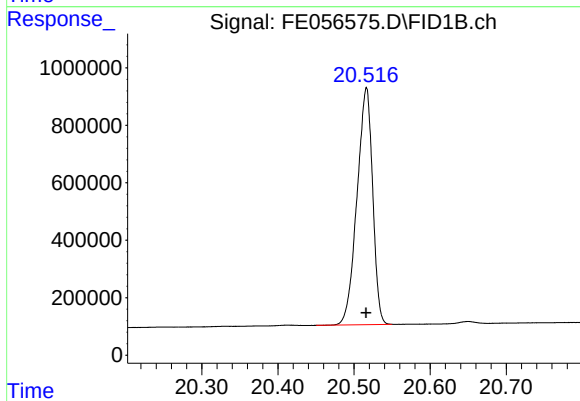
#18 n-Dotriacontane (C32)

R.T.: 18.990 min
Delta R.T.: 0.000 min
Response: 14882432
Conc: 91.30 ug/ml



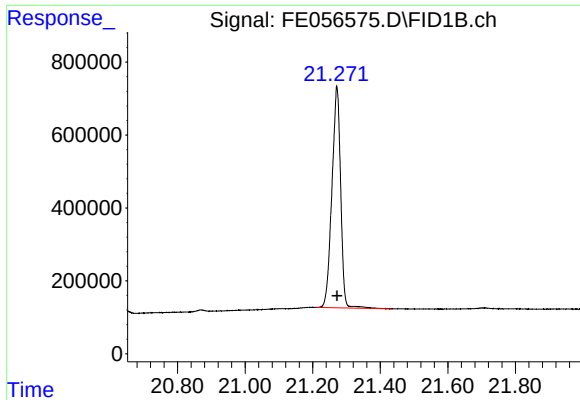
#19 n-Tetratriacontane (C34)

R.T.: 19.776 min
Delta R.T.: 0.000 min
Response: 13398021
Conc: 91.10 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.516 min
Delta R.T.: 0.000 min
Response: 11781393
Conc: 92.52 ug/ml



#21 n-Octatriacontane (C38)

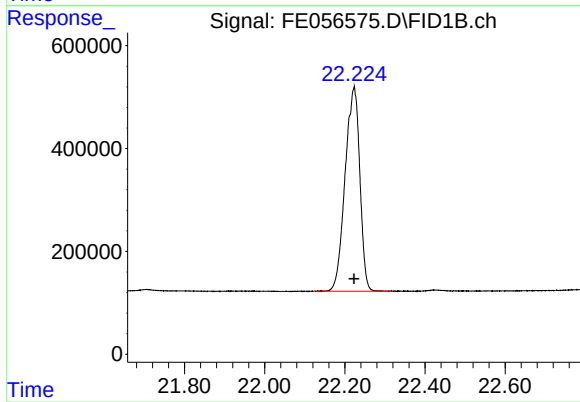
R.T.: 21.272 min
Delta R.T.: 0.000 min
Response: 10906555
Conc: 95.31 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.223 min
Delta R.T.: 0.000 min
Response: 10108109
Conc: 95.43 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
 Data File : FE056575.D
 Signal(s) : FID1B.ch
 Acq On : 30 Oct 2025 10:20
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.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	3.337	3.300	3.397	BB	1587559	15510371	81.38%	4.543%
2	4.591	4.534	4.619	BBA	1581962	15797359	82.88%	4.627%
3	6.308	6.252	6.419	BB	1757870	17418486	91.39%	5.102%
4	6.765	6.700	6.809	BB	1584765	16070610	84.32%	4.707%
5	7.409	7.362	7.530	PV	1636096	16955970	88.96%	4.966%
6	8.601	8.535	8.655	BB	1480313	16108586	84.52%	4.718%
7	10.215	10.165	10.275	BB	1502827	16849850	88.40%	4.935%
8	11.666	11.610	11.724	BB	1469692	17249418	90.50%	5.052%
9	11.992	11.924	12.057	BB	1639468	19059851	100.00%	5.583%
10	12.979	12.909	13.037	BB	1409836	16787284	88.08%	4.917%
11	13.427	13.335	13.494	BB	1223044	14749289	77.38%	4.320%
12	13.593	13.520	13.649	BB	1361908	16598194	87.08%	4.862%
13	14.181	14.105	14.240	BB	1330972	16594646	87.07%	4.861%
14	15.288	15.217	15.344	BB	1288586	16611261	87.15%	4.865%
15	16.313	16.255	16.369	BB	1263736	16325668	85.65%	4.782%
16	17.266	17.200	17.299	BBA	1155432	15859780	83.21%	4.645%
17	18.155	18.089	18.210	BB	1127298	15787066	82.83%	4.624%
18	18.990	18.920	19.042	BB	1047781	14882432	78.08%	4.359%
19	19.776	19.720	19.799	BBA	935373	13398021	70.29%	3.924%
20	20.516	20.450	20.549	BBA	822409	11781393	61.81%	3.451%
21	21.272	21.210	21.434	BB	606103	10906555	57.22%	3.195%
22	22.223	22.129	22.317	BB	398455	10108109	53.03%	2.961%
Sum of corrected areas:						341410195		

Aliphatic EPH 103025.M Thu Oct 30 12:55:02 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
 Data File : FE056576.D
 Signal(s) : FID1B.ch
 Acq On : 30 Oct 2025 10:50
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Oct 30 12:05:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 30 11:59:52 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)	11.985	10390390	51.615 ug/ml
Spiked Amount 50.000		Recovery =	103.23%
12) S 1-chlorooctadecane (S...	13.422	8069798	51.782 ug/ml
Spiked Amount 50.000		Recovery =	103.56%
Target Compounds			
1) T n-Nonane (C9)	3.334	8283699	51.108 ug/ml
2) T n-Decane (C10)	4.587	8458707	51.101 ug/ml
3) T A~Naphthalene (C11.7)	6.303	9255687	51.178 ug/ml
4) T n-Dodecane (C12)	6.761	8630420	51.255 ug/ml
5) T A~2-methylnaphthalene...	7.404	9018328	51.408 ug/ml
6) T n-Tetradecane (C14)	8.597	8702299	51.502 ug/ml
7) T n-Hexadecane (C16)	10.210	9165065	51.685 ug/ml
8) T n-Octadecane (C18)	11.660	9466424	51.842 ug/ml
10) T n-Eicosane (C20)	12.974	9224749	51.777 ug/ml
11) T n-Heneicosane (C21)	13.588	9116016	51.761 ug/ml
13) T n-Docosane (C22)	14.176	9188407	52.021 ug/ml
14) T n-Tetracosane (C24)	15.283	9376021	52.583 ug/ml
15) T n-Hexacosane (C26)	16.307	9244371	52.644 ug/ml
16) T n-Octacosane (C28)	17.261	9040985	52.620 ug/ml
17) T n-Tricontane (C30)	18.150	9116641	52.435 ug/ml
18) T n-Dotriacontane (C32)	18.985	8697901	52.190 ug/ml
19) T n-Tetratriacontane (C34)	19.770	7726773	51.665 ug/ml
20) T n-Hexatriacontane (C36)	20.510	6593672	51.172 ug/ml
21) T n-Octatriacontane (C38)	21.266	5889118	50.965 ug/ml
22) T n-Tetracontane (C40)	22.214	5525608	51.424 ug/ml

(f)=RT Delta > 1/2 Window

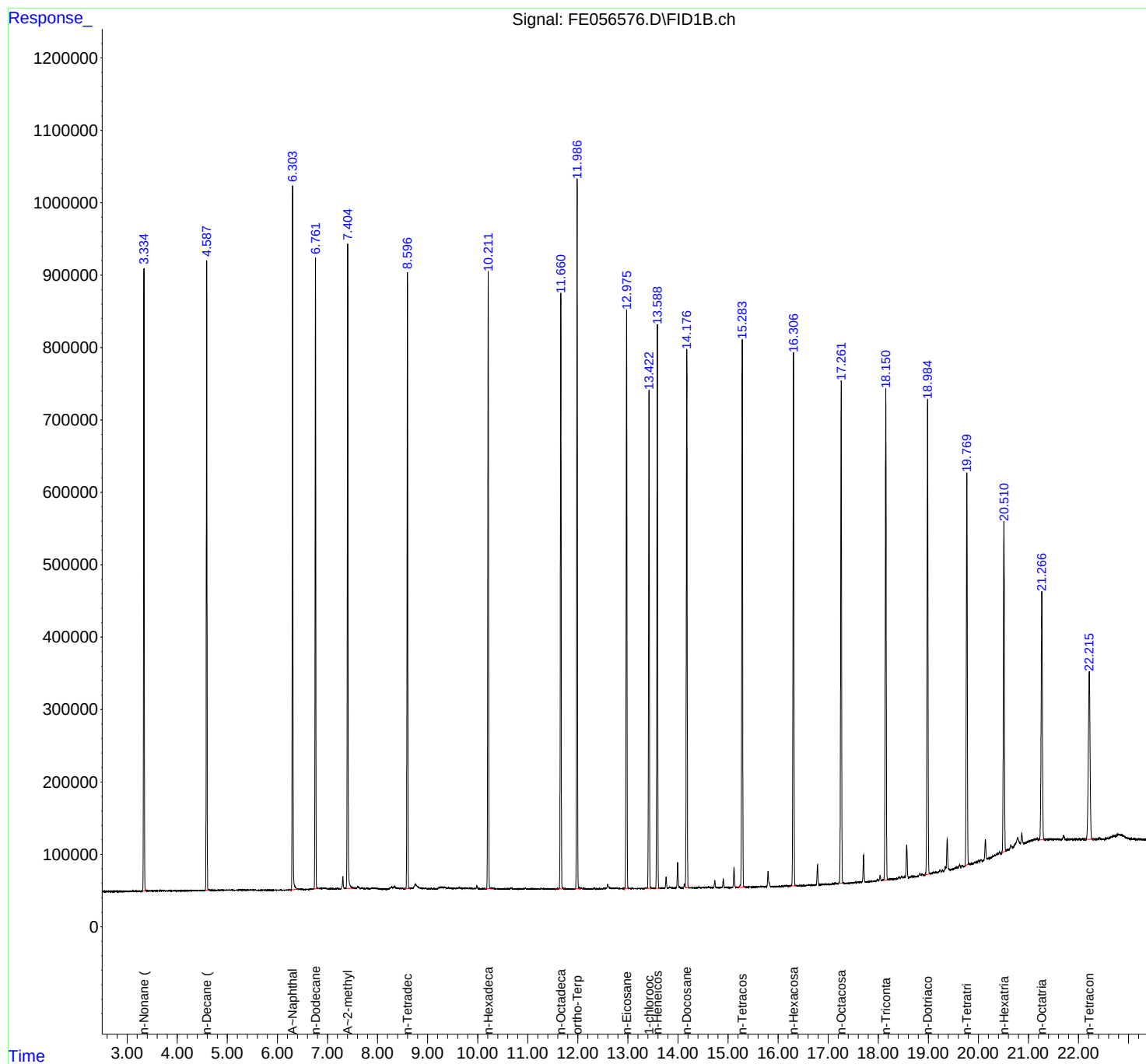
(m)=manual int.

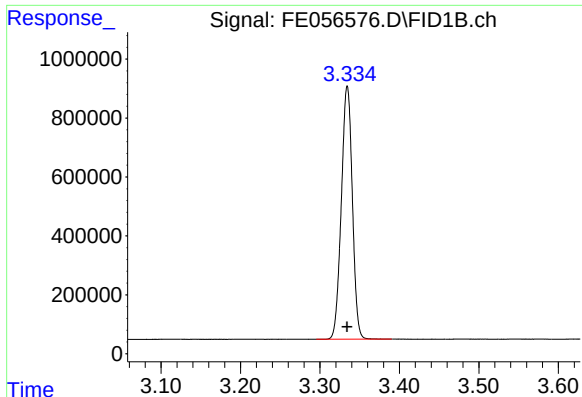
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056576.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 10:50
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 30 12:05:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 11:59:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

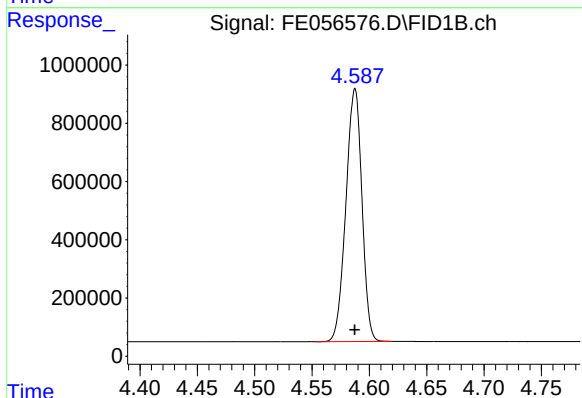




#1 n-Nonane (C9)

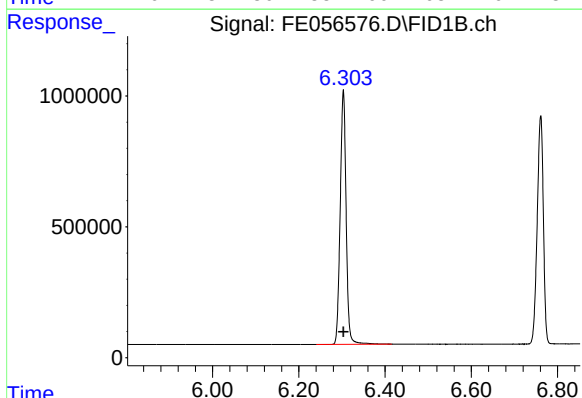
R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 8283699
Conc: 51.11 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



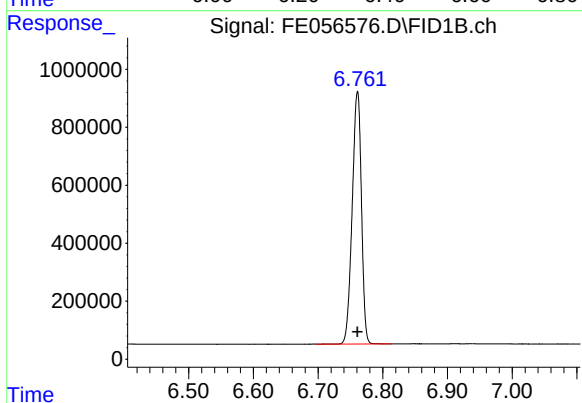
#2 n-Decane (C10)

R.T.: 4.587 min
Delta R.T.: 0.000 min
Response: 8458707
Conc: 51.10 ug/ml



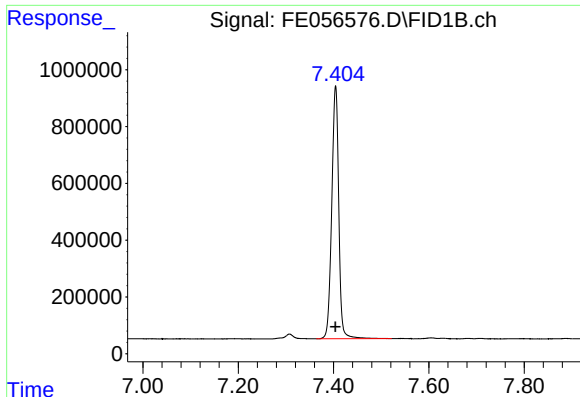
#3 A~Naphthalene (C11.7)

R.T.: 6.303 min
Delta R.T.: 0.000 min
Response: 9255687
Conc: 51.18 ug/ml



#4 n-Dodecane (C12)

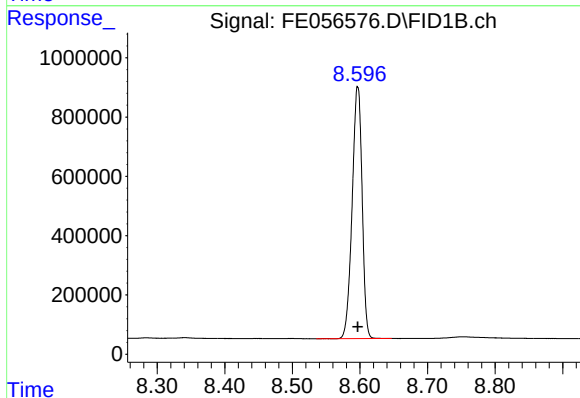
R.T.: 6.761 min
Delta R.T.: 0.000 min
Response: 8630420
Conc: 51.25 ug/ml



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

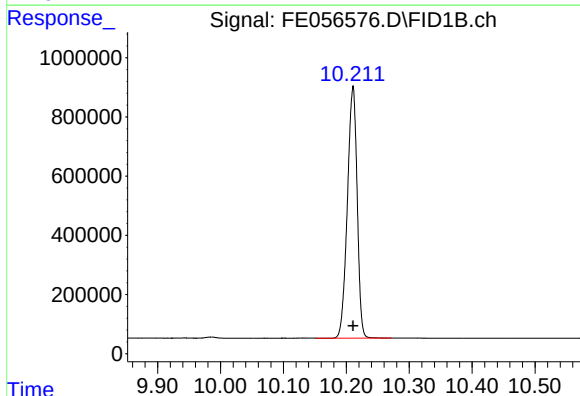
R.T.: 7.404 min
Delta R.T.: 0.000 min
Response: 9018328
Conc: 51.41 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



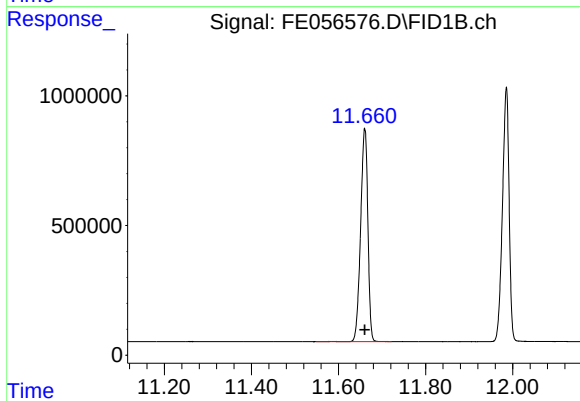
#6 n-Tetradecane (C14)

R.T.: 8.597 min
Delta R.T.: 0.000 min
Response: 8702299
Conc: 51.50 ug/ml



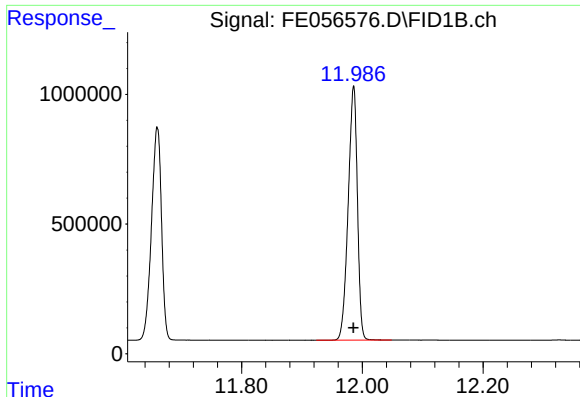
#7 n-Hexadecane (C16)

R.T.: 10.210 min
Delta R.T.: 0.000 min
Response: 9165065
Conc: 51.68 ug/ml



#8 n-Octadecane (C18)

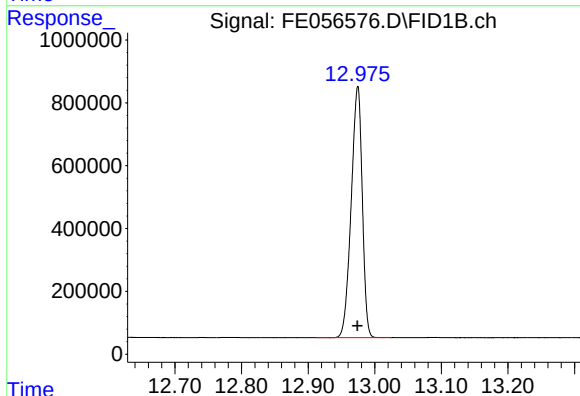
R.T.: 11.660 min
Delta R.T.: 0.000 min
Response: 9466424
Conc: 51.84 ug/ml



#9 ortho-Terphenyl (SURR)

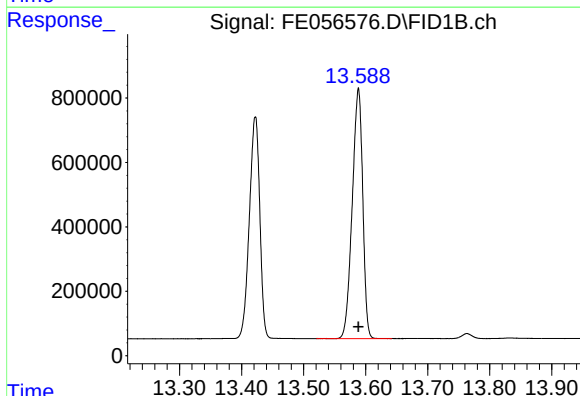
R.T.: 11.985 min
Delta R.T.: 0.000 min
Response: 10390390
Conc: 51.61 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



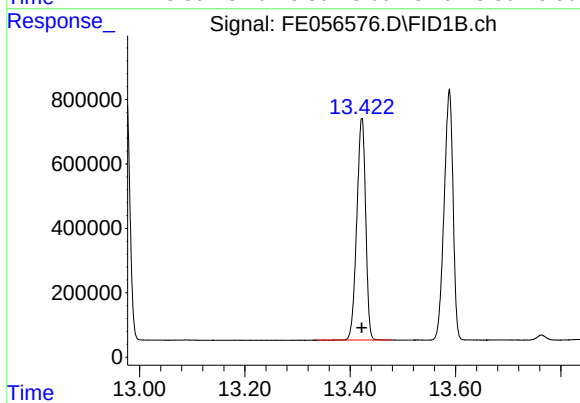
#10 n-Eicosane (C20)

R.T.: 12.974 min
Delta R.T.: 0.000 min
Response: 9224749
Conc: 51.78 ug/ml



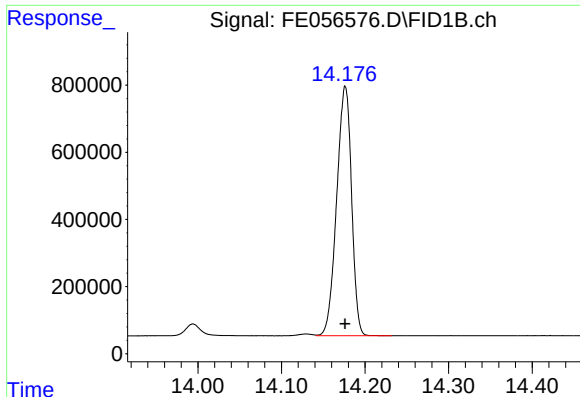
#11 n-Heneicosane (C21)

R.T.: 13.588 min
Delta R.T.: 0.000 min
Response: 9116016
Conc: 51.76 ug/ml



#12 1-chlorooctadecane (SURR)

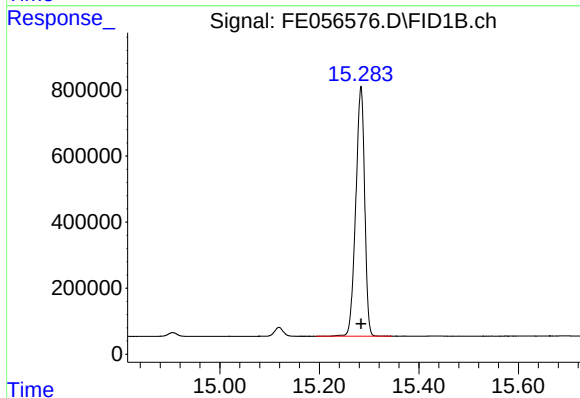
R.T.: 13.422 min
Delta R.T.: 0.000 min
Response: 8069798
Conc: 51.78 ug/ml



#13 n-Docosane (C22)

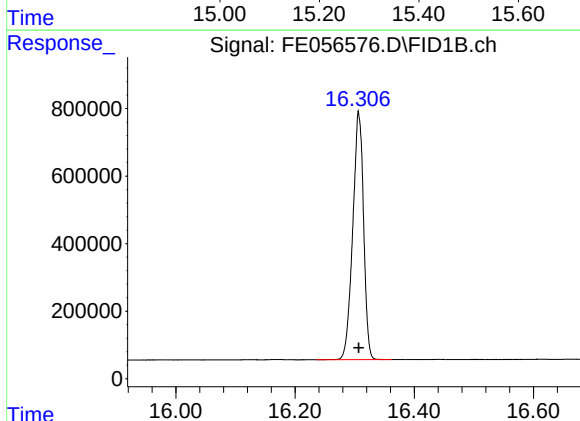
R.T.: 14.176 min
Delta R.T.: 0.000 min
Response: 9188407
Conc: 52.02 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



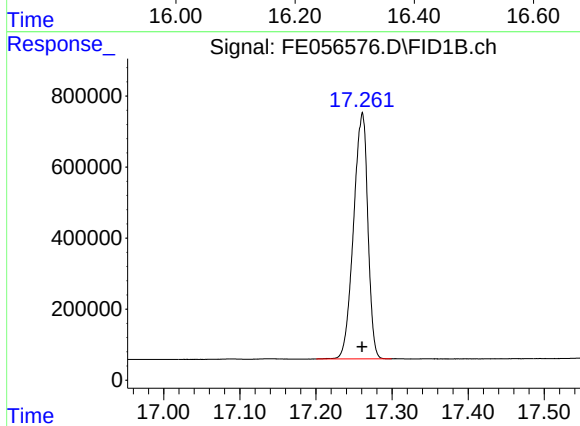
#14 n-Tetracosane (C24)

R.T.: 15.283 min
Delta R.T.: 0.000 min
Response: 9376021
Conc: 52.58 ug/ml



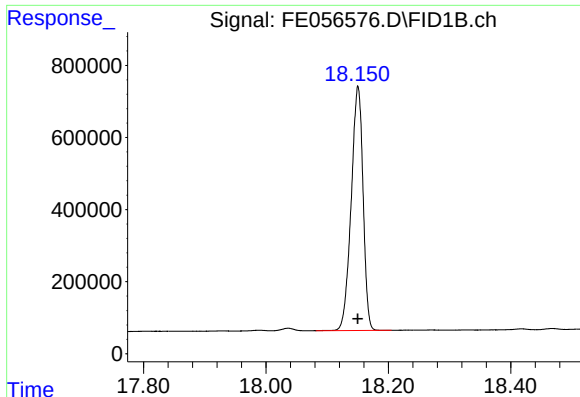
#15 n-Hexacosane (C26)

R.T.: 16.307 min
Delta R.T.: 0.000 min
Response: 9244371
Conc: 52.64 ug/ml



#16 n-Octacosane (C28)

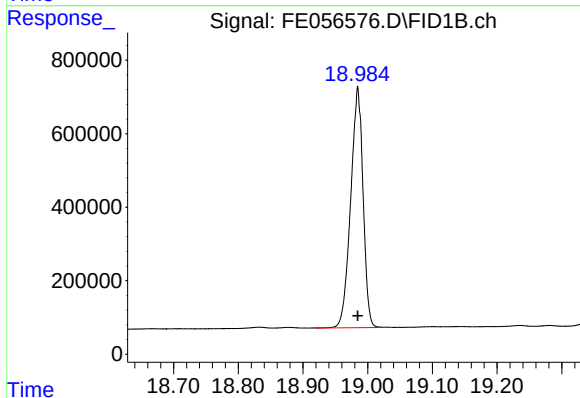
R.T.: 17.261 min
Delta R.T.: 0.000 min
Response: 9040985
Conc: 52.62 ug/ml



#17 n-Tricontane (C30)

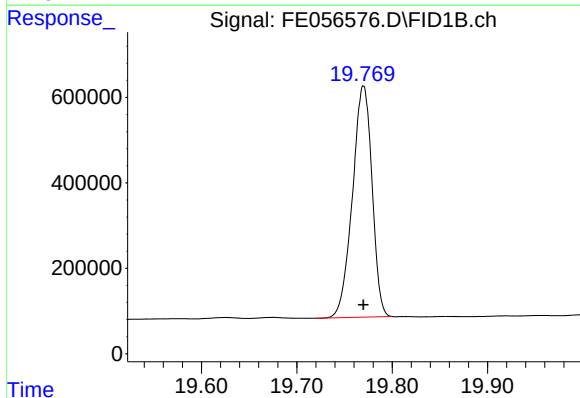
R.T.: 18.150 min
Delta R.T.: 0.000 min
Response: 9116641
Conc: 52.43 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



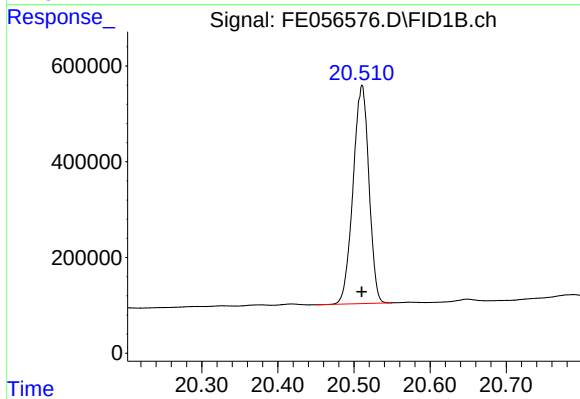
#18 n-Dotriacontane (C32)

R.T.: 18.985 min
Delta R.T.: 0.000 min
Response: 8697901
Conc: 52.19 ug/ml



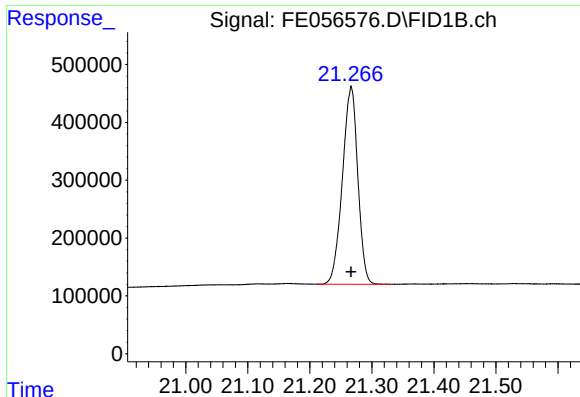
#19 n-Tetratriacontane (C34)

R.T.: 19.770 min
Delta R.T.: 0.000 min
Response: 7726773
Conc: 51.67 ug/ml



#20 n-Hexatriacontane (C36)

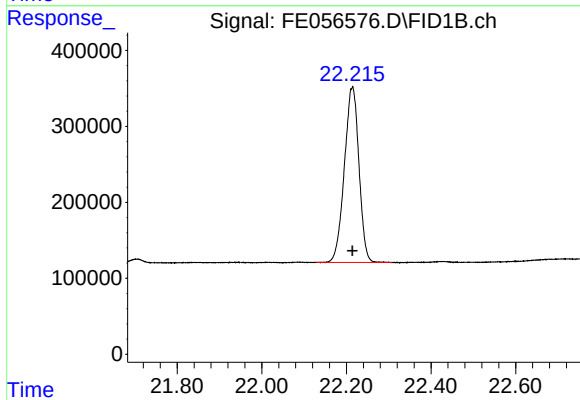
R.T.: 20.510 min
Delta R.T.: 0.000 min
Response: 6593672
Conc: 51.17 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.266 min
Delta R.T.: 0.000 min
Response: 5889118
Conc: 50.97 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.214 min
Delta R.T.: 0.000 min
Response: 5525608
Conc: 51.42 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056576.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 10:50
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.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	3.334	3.295	3.390	BB	859468	8283699	79.72%	4.402%
2	4.587	4.554	4.619	BBA	868249	8458707	81.41%	4.495%
3	6.303	6.240	6.415	BB	974202	9255687	89.08%	4.919%
4	6.761	6.697	6.814	BB	869786	8630420	83.06%	4.586%
5	7.404	7.364	7.522	BB	890333	9018328	86.79%	4.792%
6	8.597	8.535	8.647	BB	849680	8702299	83.75%	4.624%
7	10.210	10.152	10.272	BB	848274	9165065	88.21%	4.870%
8	11.660	11.549	11.722	BB	822893	9466424	91.11%	5.030%
9	11.985	11.924	12.049	BB	981415	10390390	100.00%	5.521%
10	12.974	12.912	13.025	BB	797927	9224749	88.78%	4.902%
11	13.422	13.335	13.479	BB	689355	8069798	77.67%	4.288%
12	13.588	13.520	13.642	BB	780350	9116016	87.74%	4.844%
13	14.176	14.142	14.232	VB	743785	9188407	88.43%	4.883%
14	15.283	15.194	15.345	BB	757600	9376021	90.24%	4.982%
15	16.307	16.235	16.362	BB	727588	9244371	88.97%	4.912%
16	17.261	17.200	17.299	BBA	690402	9040985	87.01%	4.804%
17	18.150	18.082	18.205	BB	679486	9116641	87.74%	4.845%
18	18.985	18.920	19.037	BB	654654	8697901	83.71%	4.622%
19	19.770	19.720	19.799	BBA	541984	7726773	74.36%	4.106%
20	20.510	20.450	20.549	BBA	457176	6593672	63.46%	3.504%
21	21.266	21.210	21.332	BB	342971	5889118	56.68%	3.129%
22	22.214	22.129	22.307	BB	230200	5525608	53.18%	2.936%
Sum of corrected areas:						188181079		

Aliphatic EPH 103025.M Thu Oct 30 12:57:04 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
 Data File : FE056577.D
 Signal(s) : FID1B.ch
 Acq On : 30 Oct 2025 11:20
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Oct 30 12:00:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 30 11:59:52 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)	11.980	4110239	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.418	3172652	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.333	3309356	20.000 ug/ml
2) T n-Decane (C10)	4.585	3388814	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.302	3665296	20.000 ug/ml
4) T n-Dodecane (C12)	6.758	3436704	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.402	3527076	20.000 ug/ml
6) T n-Tetradecane (C14)	8.593	3435589	20.000 ug/ml
7) T n-Hexadecane (C16)	10.207	3603610	20.000 ug/ml
8) T n-Octadecane (C18)	11.656	3719660	20.000 ug/ml
10) T n-Eicosane (C20)	12.970	3642327	20.000 ug/ml
11) T n-Heneicosane (C21)	13.584	3600979	20.000 ug/ml
13) T n-Docosane (C22)	14.172	3603427	20.000 ug/ml
14) T n-Tetracosane (C24)	15.278	3625778	20.000 ug/ml
15) T n-Hexacosane (C26)	16.302	3573189	20.000 ug/ml
16) T n-Octacosane (C28)	17.255	3520565	20.000 ug/ml
17) T n-Tricontane (C30)	18.146	3627924	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.981	3543930	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.766	3202986	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.507	2737391	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.262	2396120	20.000 ug/ml
22) T n-Tetracontane (C40)	22.211	2215261	20.000 ug/ml

(f)=RT Delta > 1/2 Window

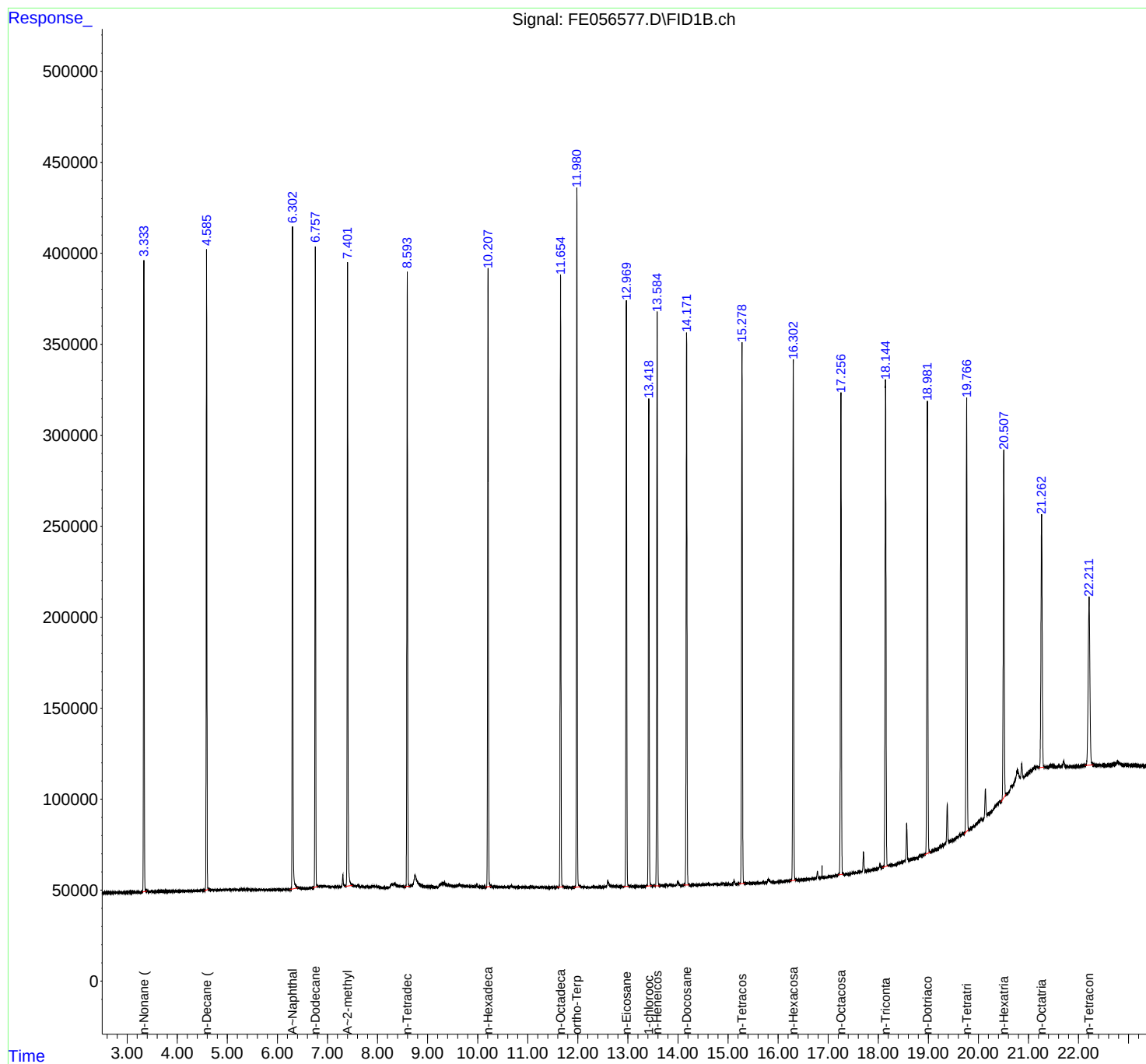
(m)=manual int.

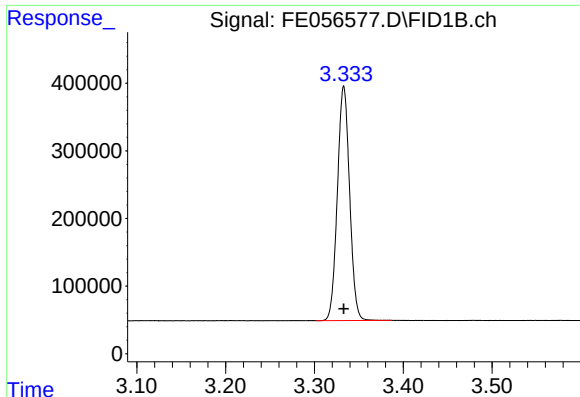
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056577.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 11:20
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 30 12:00:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 11:59:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

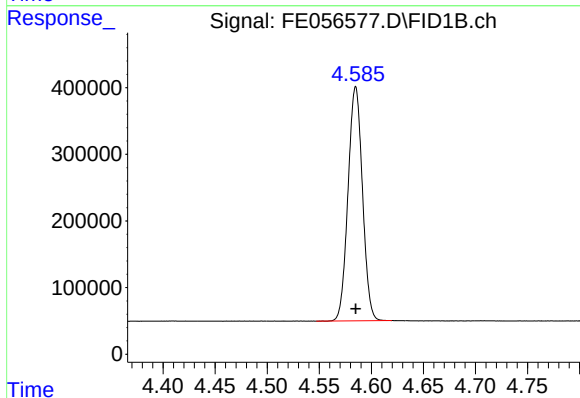




#1 n-Nonane (C9)

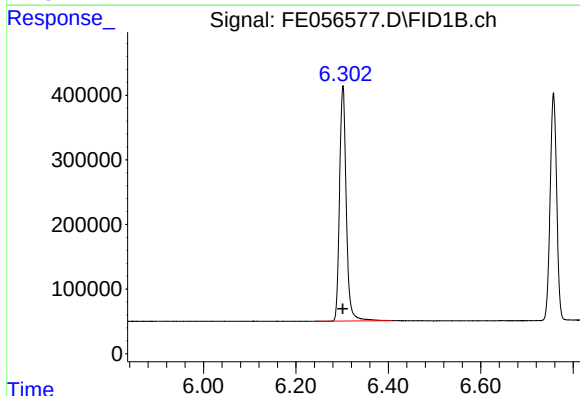
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 3309356
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



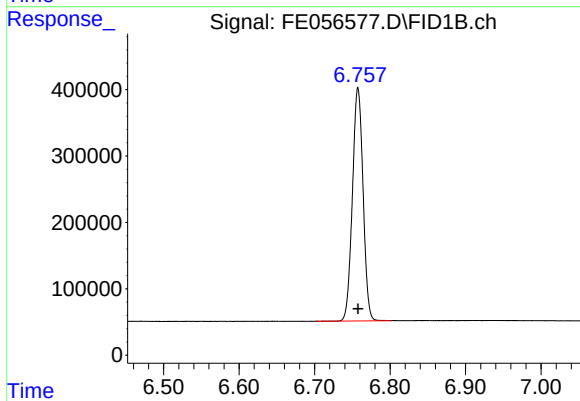
#2 n-Decane (C10)

R.T.: 4.585 min
Delta R.T.: 0.000 min
Response: 3388814
Conc: 20.00 ug/ml



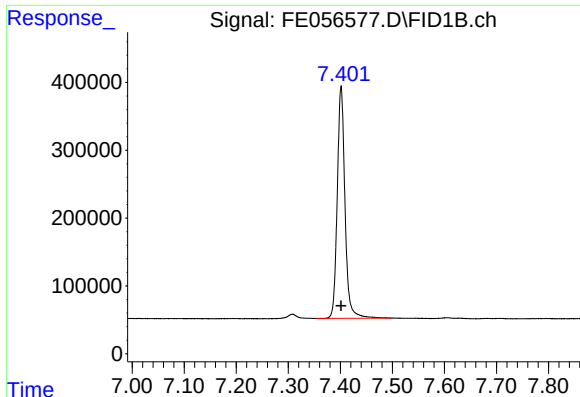
#3 A~Naphthalene (C11.7)

R.T.: 6.302 min
Delta R.T.: 0.000 min
Response: 3665296
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

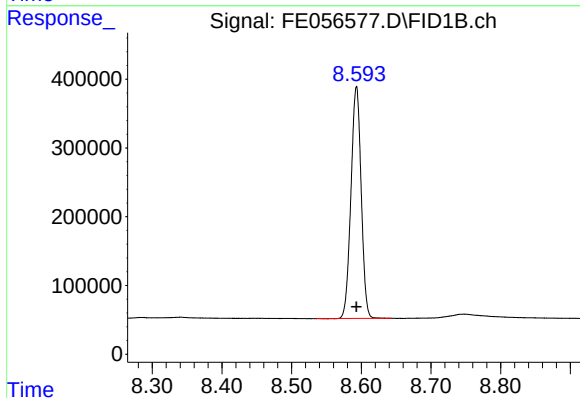
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 3436704
Conc: 20.00 ug/ml



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

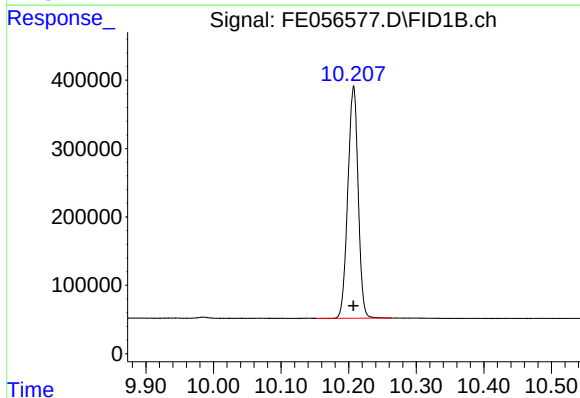
R.T.: 7.402 min
Delta R.T.: 0.000 min
Response: 3527076
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



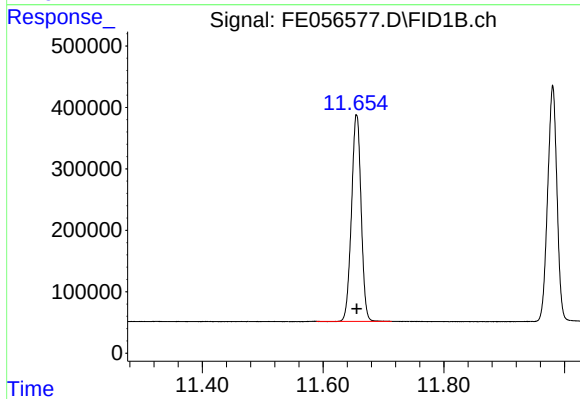
#6 n-Tetradecane (C14)

R.T.: 8.593 min
Delta R.T.: 0.000 min
Response: 3435589
Conc: 20.00 ug/ml



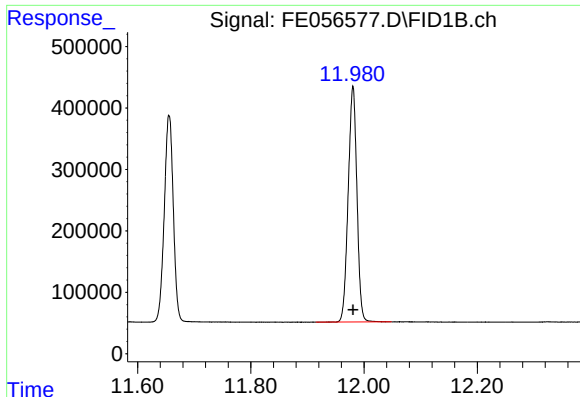
#7 n-Hexadecane (C16)

R.T.: 10.207 min
Delta R.T.: 0.000 min
Response: 3603610
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

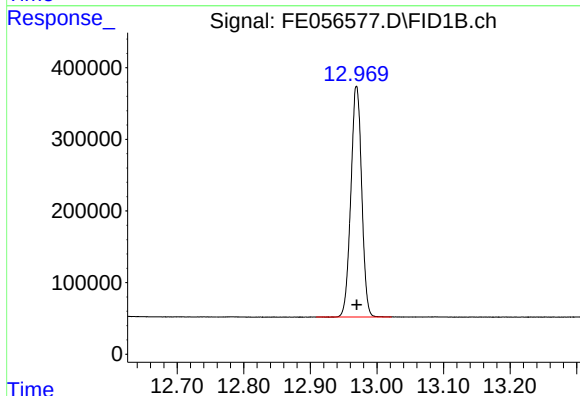
R.T.: 11.656 min
Delta R.T.: 0.000 min
Response: 3719660
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

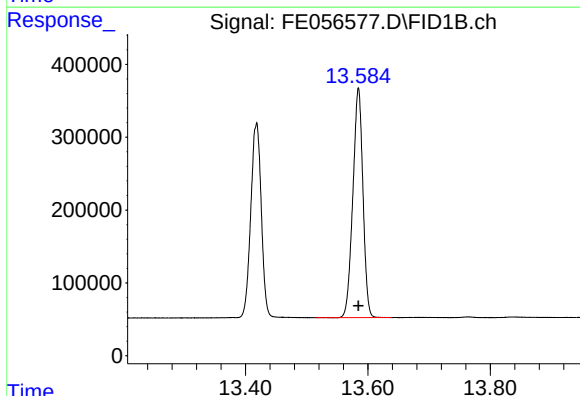
R.T.: 11.980 min
Delta R.T.: 0.000 min
Response: 4110239
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



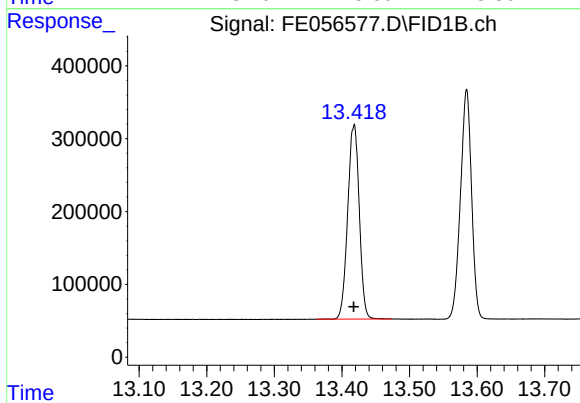
#10 n-Eicosane (C20)

R.T.: 12.970 min
Delta R.T.: 0.000 min
Response: 3642327
Conc: 20.00 ug/ml



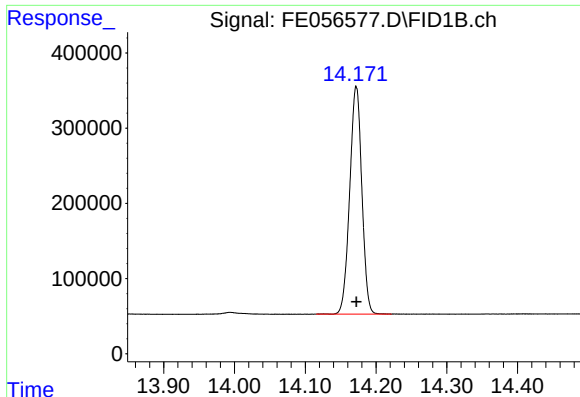
#11 n-Heneicosane (C21)

R.T.: 13.584 min
Delta R.T.: 0.000 min
Response: 3600979
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

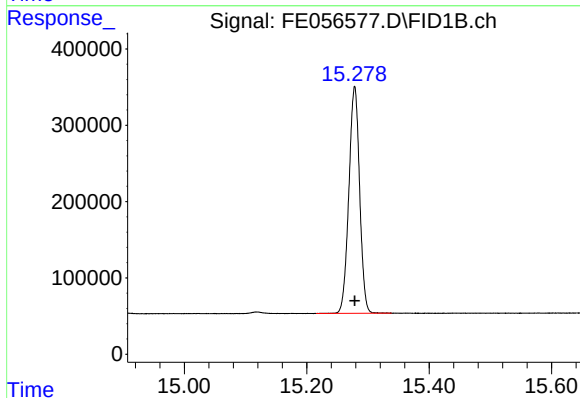
R.T.: 13.418 min
Delta R.T.: 0.000 min
Response: 3172652
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

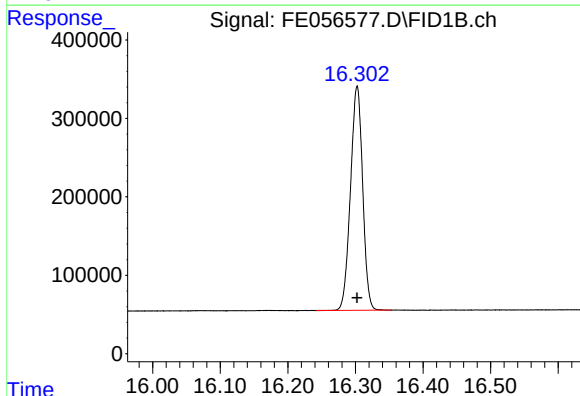
R.T.: 14.172 min
Delta R.T.: 0.000 min
Response: 3603427
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



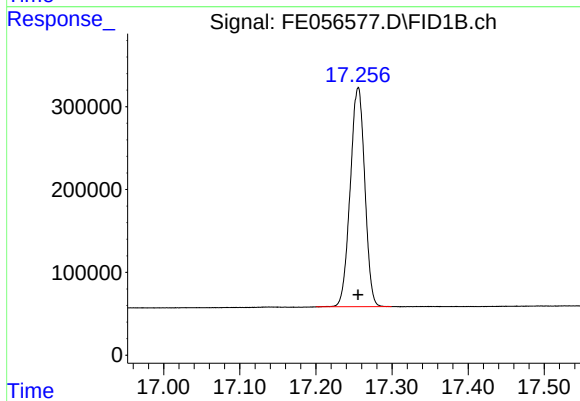
#14 n-Tetracosane (C24)

R.T.: 15.278 min
Delta R.T.: 0.000 min
Response: 3625778
Conc: 20.00 ug/ml



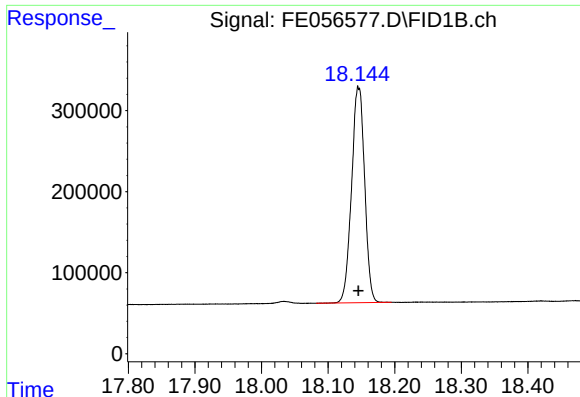
#15 n-Hexacosane (C26)

R.T.: 16.302 min
Delta R.T.: 0.000 min
Response: 3573189
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

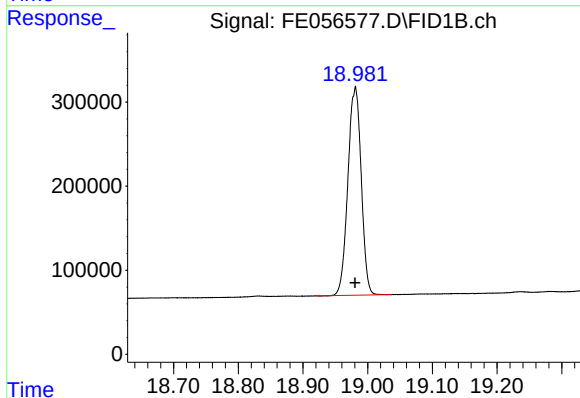
R.T.: 17.255 min
Delta R.T.: 0.000 min
Response: 3520565
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

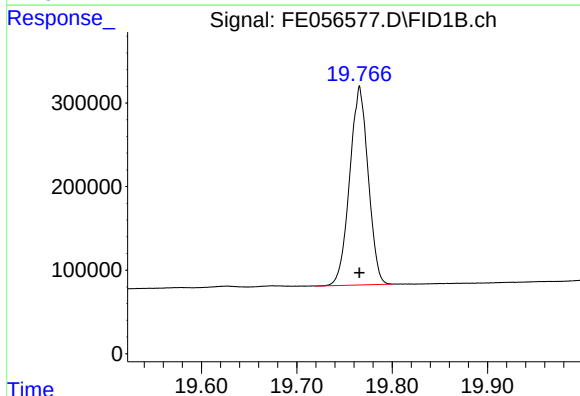
R.T.: 18.146 min
Delta R.T.: 0.000 min
Response: 3627924
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



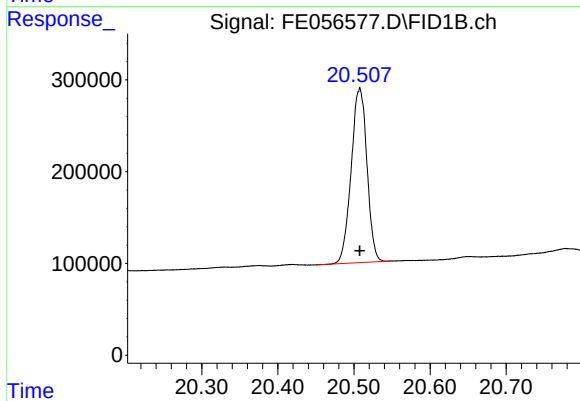
#18 n-Dotriacontane (C32)

R.T.: 18.981 min
Delta R.T.: 0.000 min
Response: 3543930
Conc: 20.00 ug/ml



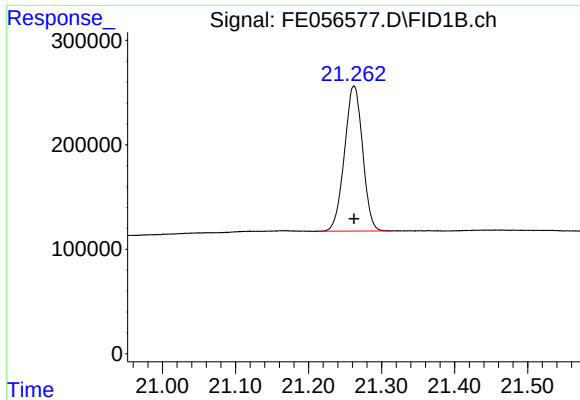
#19 n-Tetratriacontane (C34)

R.T.: 19.766 min
Delta R.T.: 0.000 min
Response: 3202986
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

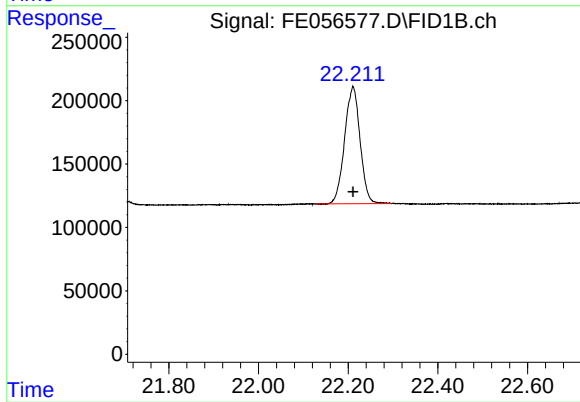
R.T.: 20.507 min
Delta R.T.: 0.000 min
Response: 2737391
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.262 min
Delta R.T.: 0.000 min
Response: 2396120
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.211 min
Delta R.T.: 0.000 min
Response: 2215261
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
 Data File : FE056577.D
 Signal(s) : FID1B.ch
 Acq On : 30 Oct 2025 11:20
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.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	3.333	3.302	3.387	BB	346822	3309356	80.51%	4.433%
2	4.585	4.547	4.619	BBA	352192	3388814	82.45%	4.539%
3	6.302	6.244	6.407	BB	364861	3665296	89.17%	4.909%
4	6.758	6.702	6.802	BB	351549	3436704	83.61%	4.603%
5	7.402	7.354	7.499	BB	342824	3527076	85.81%	4.724%
6	8.593	8.535	8.644	BB	338958	3435589	83.59%	4.602%
7	10.207	10.152	10.264	BB	338730	3603610	87.67%	4.827%
8	11.656	11.589	11.714	BB	336890	3719660	90.50%	4.982%
9	11.980	11.915	12.049	BB	384534	4110239	100.00%	5.505%
10	12.970	12.909	13.022	BB	322608	3642327	88.62%	4.879%
11	13.418	13.362	13.474	BB	264565	3172652	77.19%	4.250%
12	13.584	13.515	13.639	BB	315131	3600979	87.61%	4.823%
13	14.172	14.115	14.222	BB	303235	3603427	87.67%	4.827%
14	15.278	15.215	15.339	BB	298227	3625778	88.21%	4.856%
15	16.302	16.242	16.354	BB	285534	3573189	86.93%	4.786%
16	17.255	17.200	17.299	BBA	264764	3520565	85.65%	4.716%
17	18.146	18.082	18.195	BB	266055	3627924	88.27%	4.859%
18	18.981	18.920	19.037	BB	246347	3543930	86.22%	4.747%
19	19.766	19.720	19.799	BBA	237128	3202986	77.93%	4.290%
20	20.507	20.450	20.549	BBA	189105	2737391	66.60%	3.667%
21	21.262	21.210	21.314	BB	138965	2396120	58.30%	3.209%
22	22.211	22.129	22.297	BB	92560	2215261	53.90%	2.967%
Sum of corrected areas:							74658870	

Aliphatic EPH 103025.M Thu Oct 30 12:57:56 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
 Data File : FE056578.D
 Signal(s) : FID1B.ch
 Acq On : 30 Oct 2025 11:51
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Oct 30 12:21:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 30 12:21:37 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)	11.979	2175105	10.592 ug/ml
Spiked Amount 50.000		Recovery =	21.18%
12) S 1-chlorooctadecane (S...	13.417	1673178	10.542 ug/ml
Spiked Amount 50.000		Recovery =	21.08%
Target Compounds			
1) T n-Nonane (C9)	3.332	1739861	10.541 ug/ml
2) T n-Decane (C10)	4.584	1778707	10.549 ug/ml
3) T A~Naphthalene (C11.7)	6.302	1900301	10.376 ug/ml
4) T n-Dodecane (C12)	6.757	1805400	10.532 ug/ml
5) T A~2-methylnaphthalene...	7.401	1809756	10.235 ug/ml
6) T n-Tetradecane (C14)	8.592	1806960	10.512 ug/ml
7) T n-Hexadecane (C16)	10.206	1900814	10.530 ug/ml
8) T n-Octadecane (C18)	11.654	1972225	10.589 ug/ml
10) T n-Eicosane (C20)	12.969	1949024	10.689 ug/ml
11) T n-Heneicosane (C21)	13.583	1922827	10.673 ug/ml
13) T n-Docosane (C22)	14.171	1965821	10.824 ug/ml
14) T n-Tetracosane (C24)	15.278	2071768	11.167 ug/ml
15) T n-Hexacosane (C26)	16.302	2057752	11.236 ug/ml
16) T n-Octacosane (C28)	17.255	2055084	11.402 ug/ml
17) T n-Tricontane (C30)	18.145	2121276	11.564 ug/ml
18) T n-Dotriacontane (C32)	18.980	2084284	11.769 ug/ml
19) T n-Tetratriacontane (C34)	19.764	1830892	11.592 ug/ml
20) T n-Hexatriacontane (C36)	20.507	1529216	11.338 ug/ml
21) T n-Octatriacontane (C38)	21.262	1330818	11.096 ug/ml
22) T n-Tetracontane (C40)	22.208	1245352	11.147 ug/ml

(f)=RT Delta > 1/2 Window

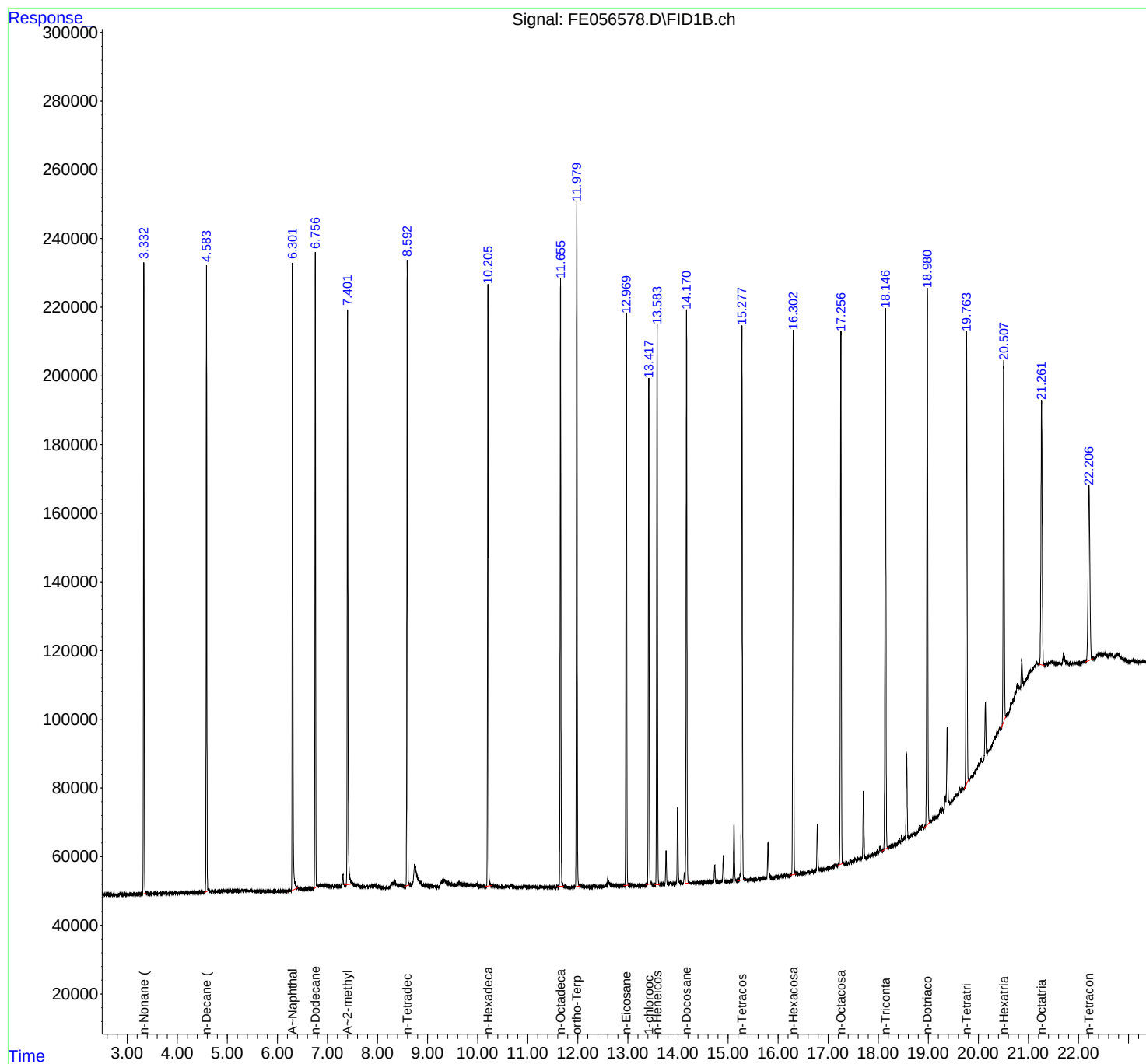
(m)=manual int.

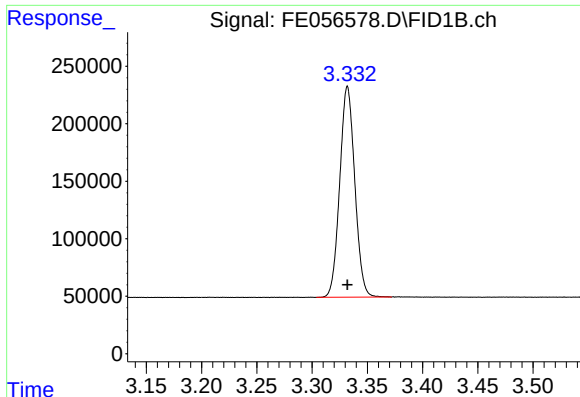
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056578.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 11:51
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 30 12:21:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 12:21:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

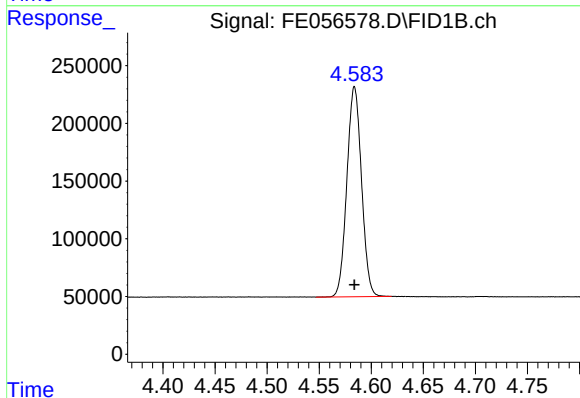




#1 n-Nonane (C9)

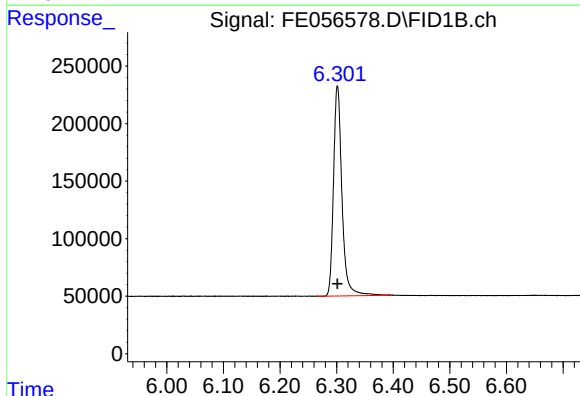
R.T.: 3.332 min
Delta R.T.: 0.000 min
Response: 1739861
Conc: 10.54 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



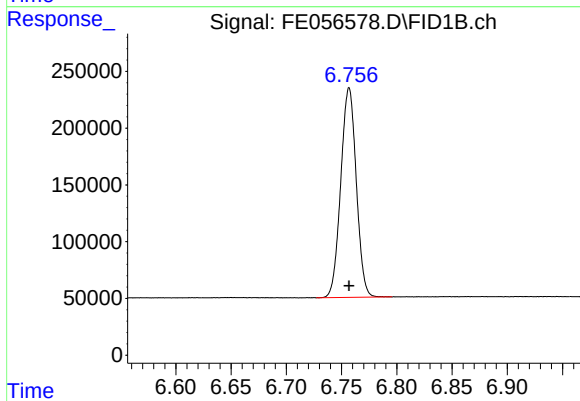
#2 n-Decane (C10)

R.T.: 4.584 min
Delta R.T.: 0.000 min
Response: 1778707
Conc: 10.55 ug/ml



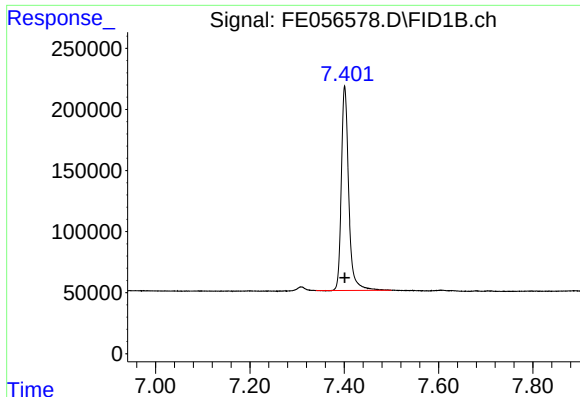
#3 A~Naphthalene (C11.7)

R.T.: 6.302 min
Delta R.T.: 0.000 min
Response: 1900301
Conc: 10.38 ug/ml



#4 n-Dodecane (C12)

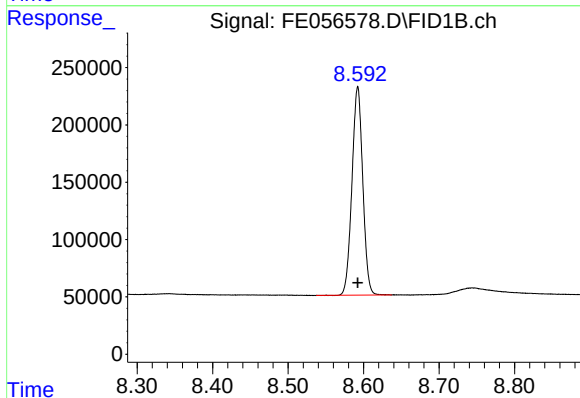
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 1805400
Conc: 10.53 ug/ml



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

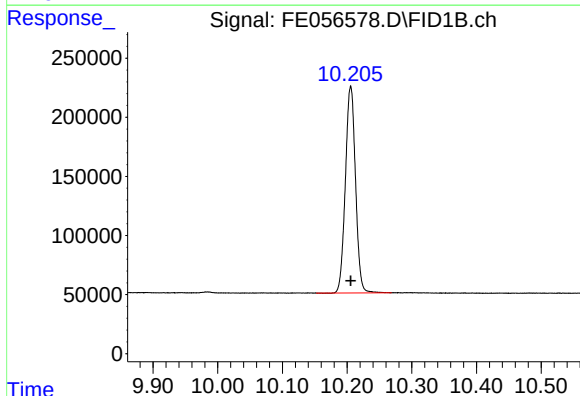
R.T.: 7.401 min
Delta R.T.: 0.000 min
Response: 1809756
Conc: 10.24 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



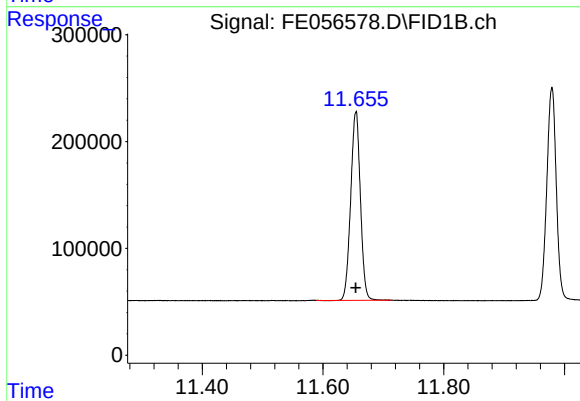
#6 n-Tetradecane (C14)

R.T.: 8.592 min
Delta R.T.: 0.000 min
Response: 1806960
Conc: 10.51 ug/ml



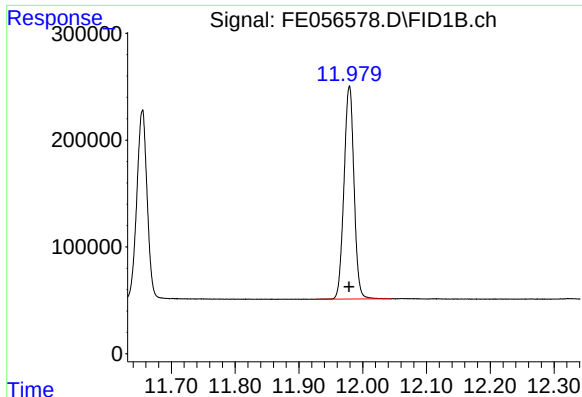
#7 n-Hexadecane (C16)

R.T.: 10.206 min
Delta R.T.: 0.000 min
Response: 1900814
Conc: 10.53 ug/ml



#8 n-Octadecane (C18)

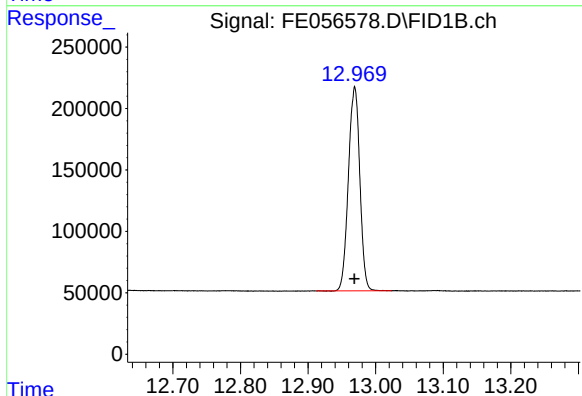
R.T.: 11.654 min
Delta R.T.: 0.000 min
Response: 1972225
Conc: 10.59 ug/ml



#9 ortho-Terphenyl (SURR)

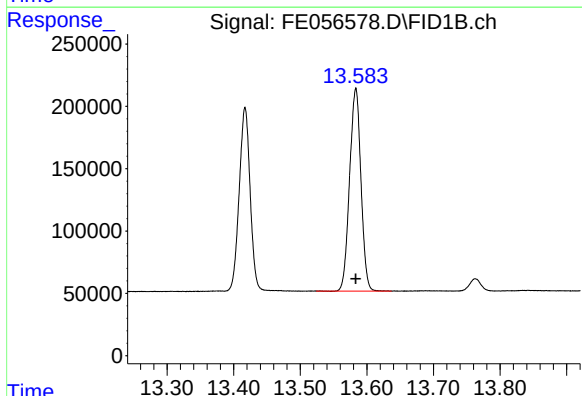
R.T.: 11.979 min
Delta R.T.: 0.000 min
Response: 2175105
Conc: 10.59 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



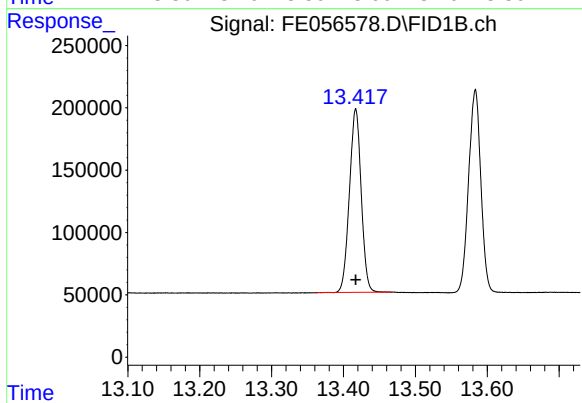
#10 n-Eicosane (C20)

R.T.: 12.969 min
Delta R.T.: 0.000 min
Response: 1949024
Conc: 10.69 ug/ml



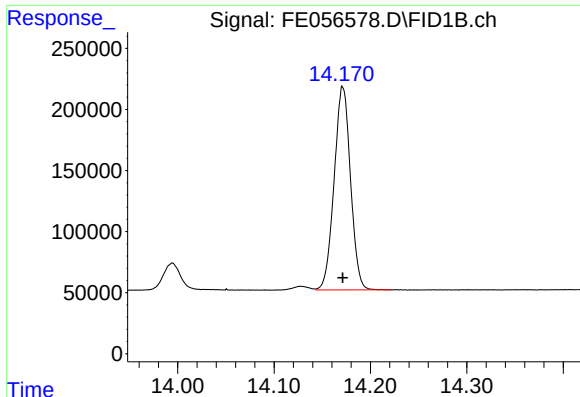
#11 n-Heneicosane (C21)

R.T.: 13.583 min
Delta R.T.: 0.000 min
Response: 1922827
Conc: 10.67 ug/ml



#12 1-chlorooctadecane (SURR)

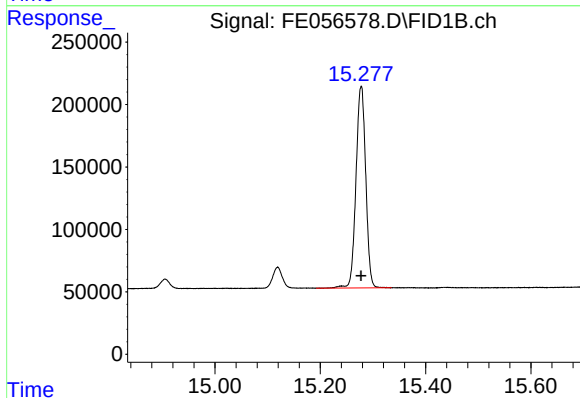
R.T.: 13.417 min
Delta R.T.: 0.000 min
Response: 1673178
Conc: 10.54 ug/ml



#13 n-Docosane (C22)

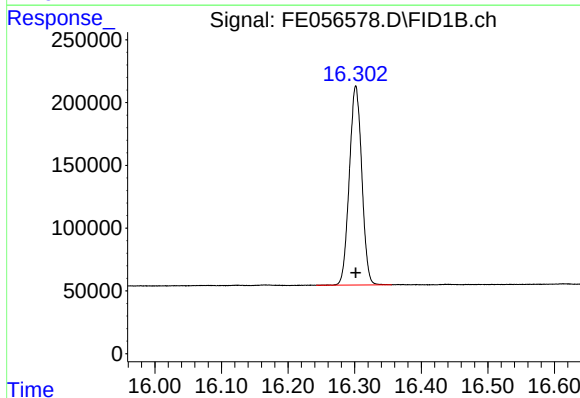
R.T.: 14.171 min
Delta R.T.: 0.000 min
Response: 1965821
Conc: 10.82 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



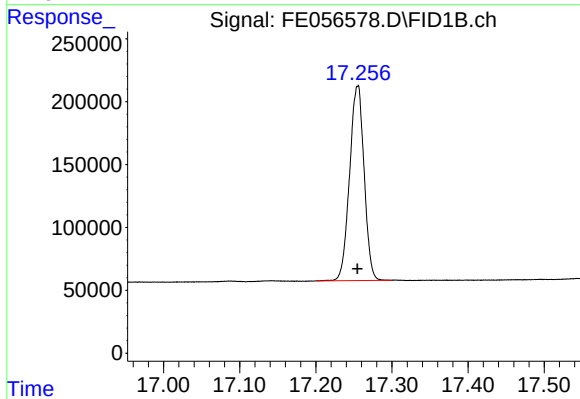
#14 n-Tetracosane (C24)

R.T.: 15.278 min
Delta R.T.: 0.000 min
Response: 2071768
Conc: 11.17 ug/ml



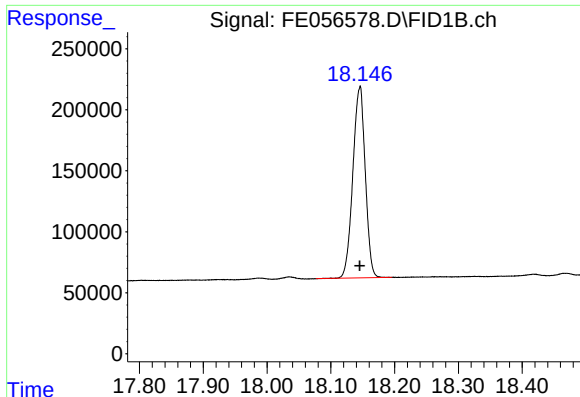
#15 n-Hexacosane (C26)

R.T.: 16.302 min
Delta R.T.: 0.000 min
Response: 2057752
Conc: 11.24 ug/ml



#16 n-Octacosane (C28)

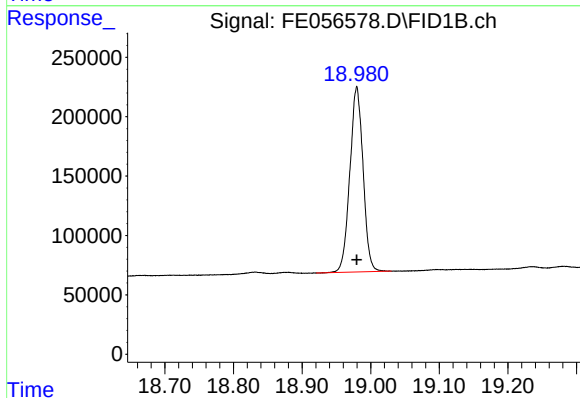
R.T.: 17.255 min
Delta R.T.: 0.000 min
Response: 2055084
Conc: 11.40 ug/ml



#17 n-Tricontane (C30)

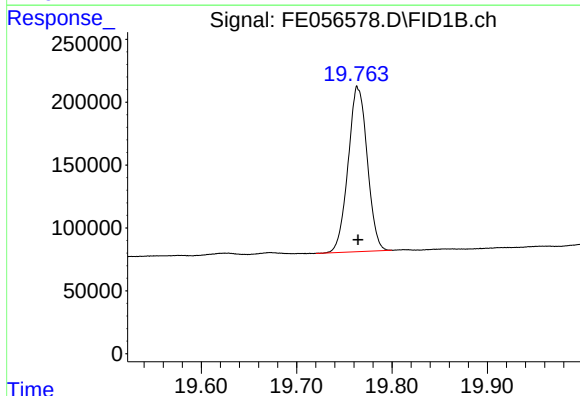
R.T.: 18.145 min
Delta R.T.: 0.000 min
Response: 2121276
Conc: 11.56 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



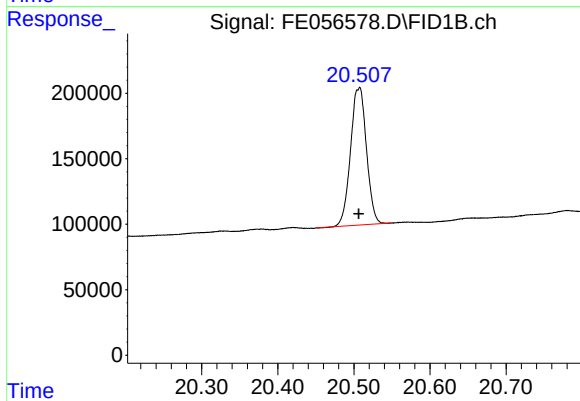
#18 n-Dotriacontane (C32)

R.T.: 18.980 min
Delta R.T.: 0.000 min
Response: 2084284
Conc: 11.77 ug/ml



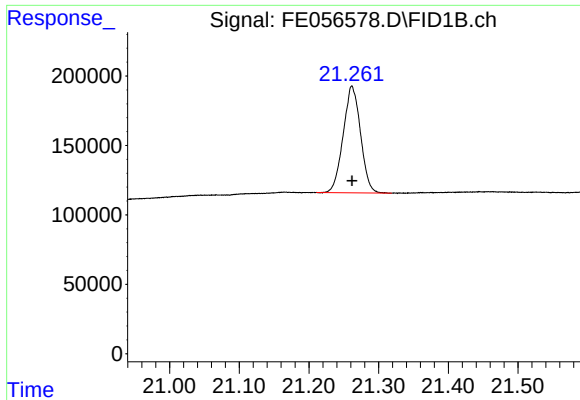
#19 n-Tetratriacontane (C34)

R.T.: 19.764 min
Delta R.T.: 0.000 min
Response: 1830892
Conc: 11.59 ug/ml



#20 n-Hexatriacontane (C36)

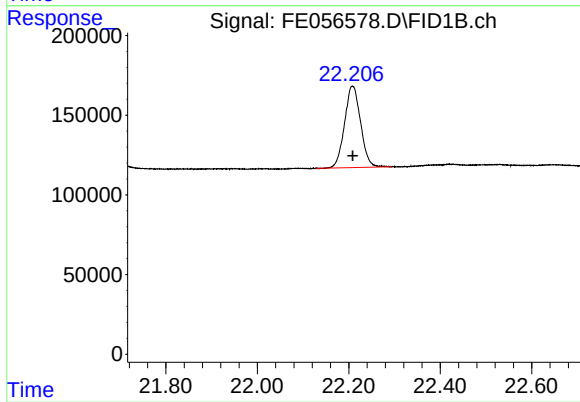
R.T.: 20.507 min
Delta R.T.: 0.000 min
Response: 1529216
Conc: 11.34 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.262 min
Delta R.T.: 0.000 min
Response: 1330818
Conc: 11.10 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.208 min
Delta R.T.: 0.000 min
Response: 1245352
Conc: 11.15 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056578.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 11:51
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.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	3.332	3.304	3.372	BB	183333	1739861	79.99%	4.272%
2	4.584	4.547	4.620	BBA	182225	1778707	81.78%	4.367%
3	6.302	6.264	6.397	BB	182183	1900301	87.37%	4.666%
4	6.757	6.727	6.795	BB	185256	1805400	83.00%	4.433%
5	7.401	7.340	7.500	BB	165998	1809756	83.20%	4.444%
6	8.592	8.537	8.637	BB	181787	1806960	83.07%	4.437%
7	10.206	10.152	10.269	BB	174738	1900814	87.39%	4.667%
8	11.654	11.589	11.714	BB	176404	1972225	90.67%	4.843%
9	11.979	11.927	12.045	BB	199071	2175105	100.00%	5.341%
10	12.969	12.912	13.024	BB	166384	1949024	89.61%	4.786%
11	13.417	13.362	13.467	BB	147215	1673178	76.92%	4.108%
12	13.583	13.524	13.637	BB	163350	1922827	88.40%	4.721%
13	14.171	14.144	14.222	VB	165444	1965821	90.38%	4.827%
14	15.278	15.192	15.335	BB	161436	2071768	95.25%	5.087%
15	16.302	16.242	16.355	BB	158775	2057752	94.60%	5.053%
16	17.255	17.200	17.300	BBA	155015	2055084	94.48%	5.046%
17	18.145	18.077	18.195	BB	156516	2121276	97.53%	5.209%
18	18.980	18.920	19.030	BB	156591	2084284	95.82%	5.118%
19	19.764	19.720	19.800	BBA	130721	1830892	84.17%	4.496%
20	20.507	20.450	20.550	BBA	104860	1529216	70.31%	3.755%
21	21.262	21.210	21.319	BB	76821	1330818	61.18%	3.268%
22	22.208	22.129	22.294	BB	50974	1245352	57.25%	3.058%
Sum of corrected areas:							40726422	

Aliphatic EPH 103025.M Thu Oct 30 12:58:36 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
 Data File : FE056579.D
 Signal(s) : FID1B.ch
 Acq On : 30 Oct 2025 12:21
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Oct 30 12:48:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 30 12:47:42 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)	11.979	1115676	5.340 ug/ml
Spiked Amount 50.000		Recovery =	10.68%
12) S 1-chlorooctadecane (S...	13.417	853728	5.299 ug/ml
Spiked Amount 50.000		Recovery =	10.60%
Target Compounds			
1) T n-Nonane (C9)	3.333	897930	5.346 ug/ml
2) T n-Decane (C10)	4.585	917558	5.347 ug/ml
3) T A~Naphthalene (C11.7)	6.303	951651	5.156 ug/ml
4) T n-Dodecane (C12)	6.757	919808	5.288 ug/ml
5) T A~2-methylnaphthalene...	7.403	894288	5.046 ug/ml
6) T n-Tetradecane (C14)	8.592	925756	5.304 ug/ml
7) T n-Hexadecane (C16)	10.206	963615	5.267 ug/ml
8) T n-Octadecane (C18)	11.654	1006643	5.319 ug/ml
10) T n-Eicosane (C20)	12.969	1012155	5.431 ug/ml
11) T n-Heneicosane (C21)	13.582	993871	5.405 ug/ml
13) T n-Docosane (C22)	14.171	1047683	5.597 ug/ml
14) T n-Tetracosane (C24)	15.277	1186109	6.056 ug/ml
15) T n-Hexacosane (C26)	16.302	1195552	6.152 ug/ml
16) T n-Octacosane (C28)	17.255	1236772	6.386 ug/ml
17) T n-Tricontane (C30)	18.145	1343777	6.702 ug/ml
18) T n-Dotriacontane (C32)	18.981	1374204	6.988 ug/ml
19) T n-Tetratriacontane (C34)	19.765	1156477	6.700 ug/ml
20) T n-Hexatriacontane (C36)	20.507	919020	6.353 ug/ml
21) T n-Octatriacontane (C38)	21.262	747858	5.942 ug/ml
22) T n-Tetracontane (C40)	22.209	655889	5.673 ug/ml

(f)=RT Delta > 1/2 Window

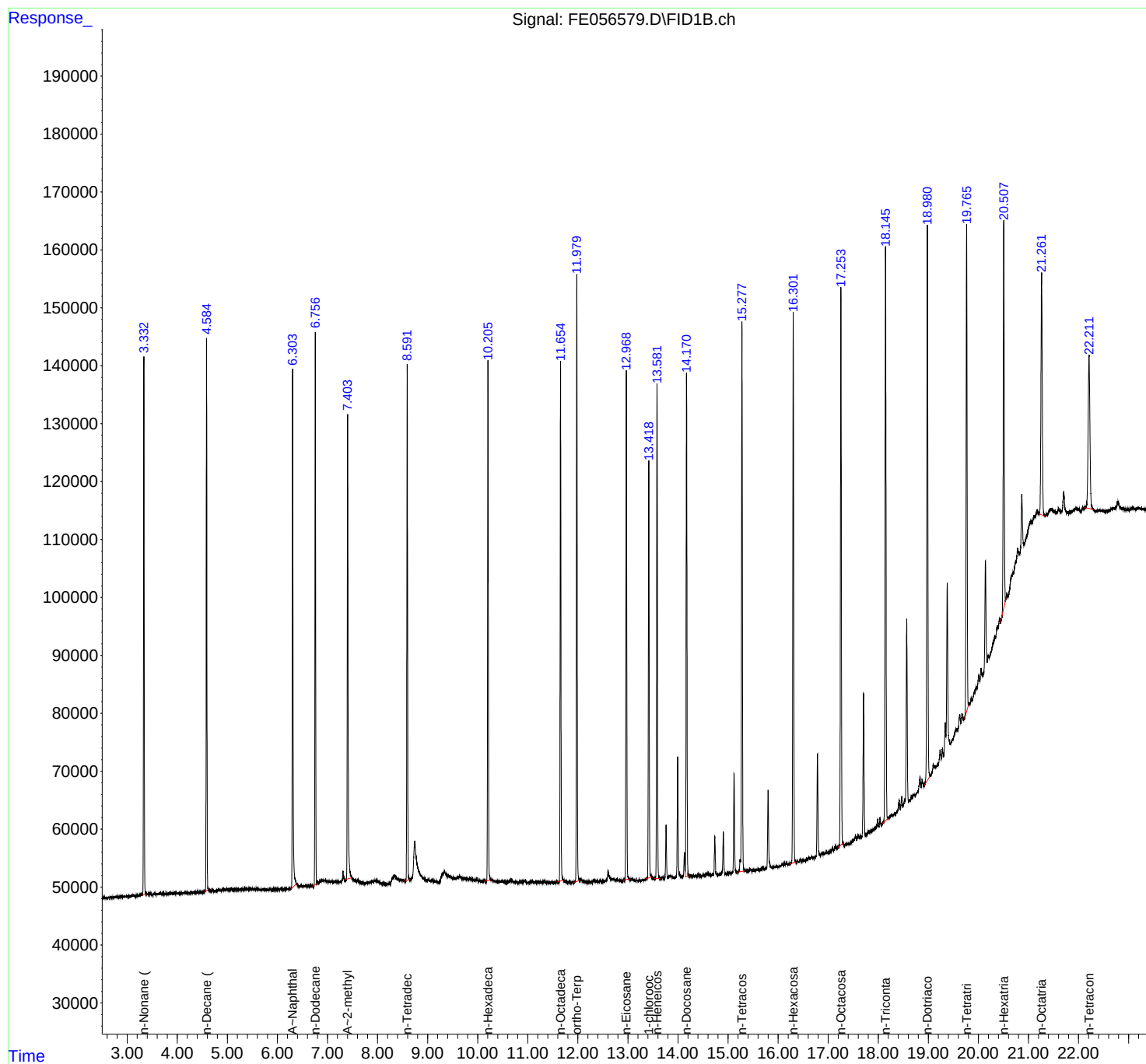
(m)=manual int.

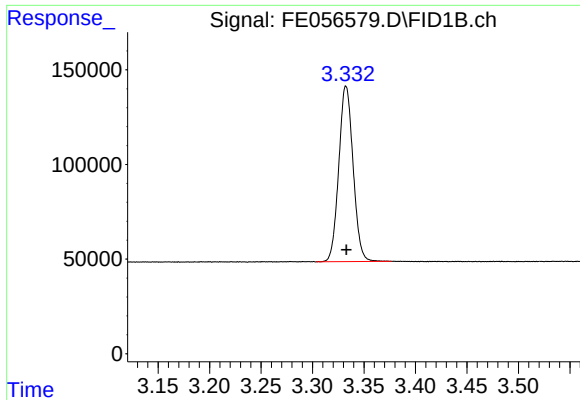
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056579.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 12:21
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 30 12:48:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 12:47:42 2025
Response via : Initial Calibration
Integrator: ChemStation

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

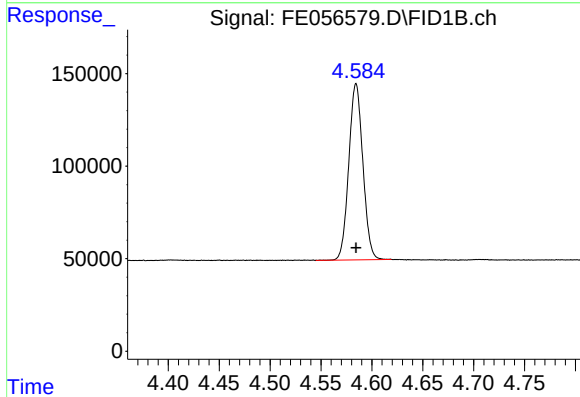




#1 n-Nonane (C9)

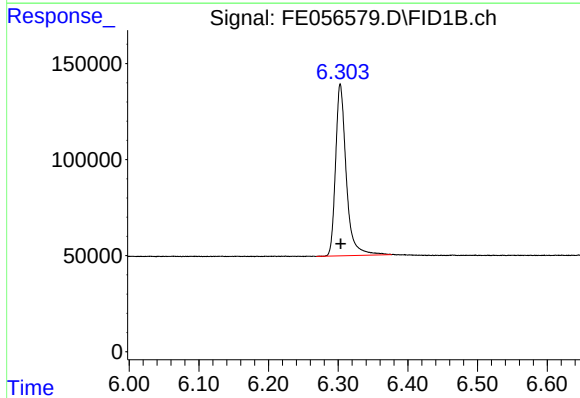
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 897930
Conc: 5.35 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



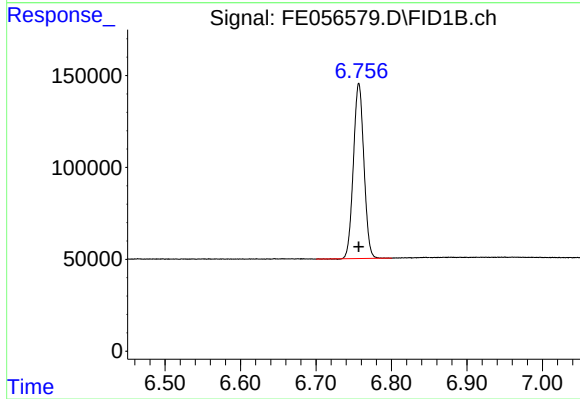
#2 n-Decane (C10)

R.T.: 4.585 min
Delta R.T.: 0.000 min
Response: 917558
Conc: 5.35 ug/ml



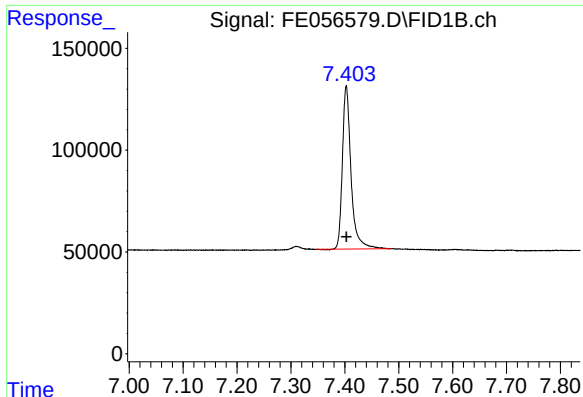
#3 A~Naphthalene (C11.7)

R.T.: 6.303 min
Delta R.T.: 0.000 min
Response: 951651
Conc: 5.16 ug/ml



#4 n-Dodecane (C12)

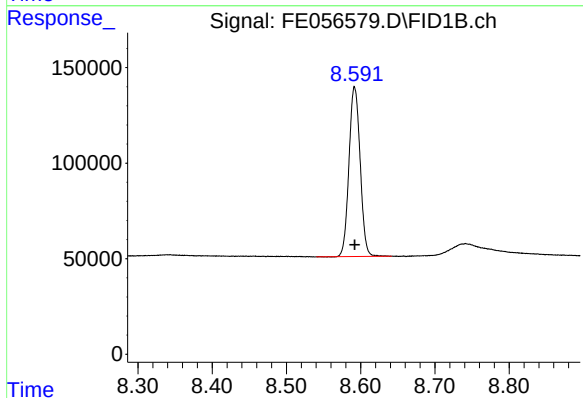
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 919808
Conc: 5.29 ug/ml



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

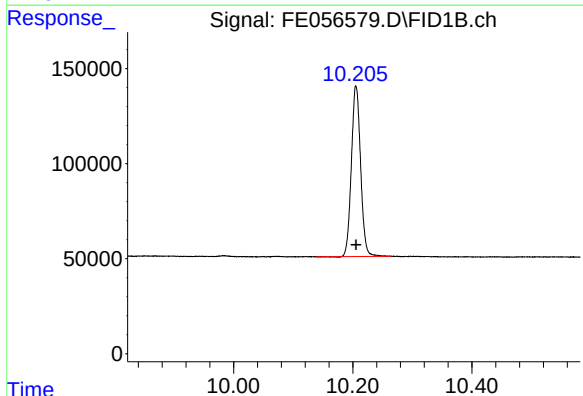
R.T.: 7.403 min
Delta R.T.: 0.000 min
Response: 894288
Conc: 5.05 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



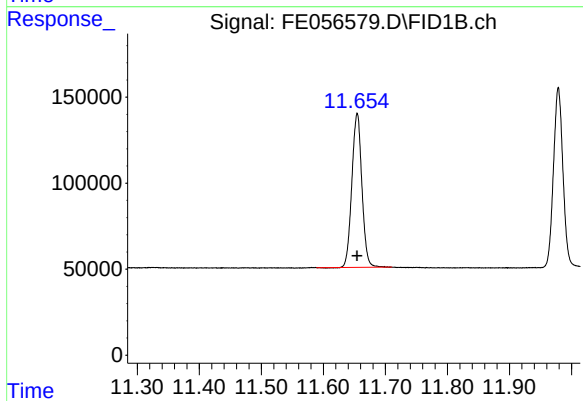
#6 n-Tetradecane (C14)

R.T.: 8.592 min
Delta R.T.: 0.000 min
Response: 925756
Conc: 5.30 ug/ml



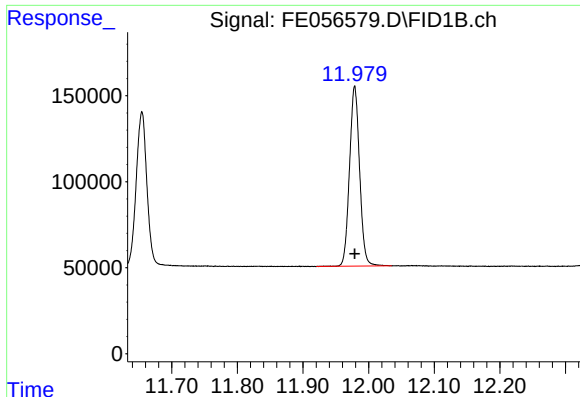
#7 n-Hexadecane (C16)

R.T.: 10.206 min
Delta R.T.: 0.000 min
Response: 963615
Conc: 5.27 ug/ml



#8 n-Octadecane (C18)

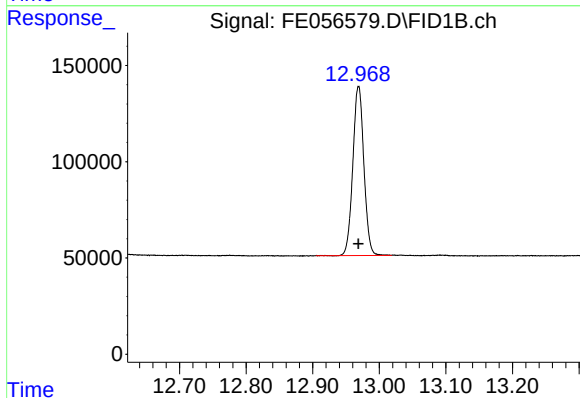
R.T.: 11.654 min
Delta R.T.: 0.000 min
Response: 1006643
Conc: 5.32 ug/ml



#9 ortho-Terphenyl (SURR)

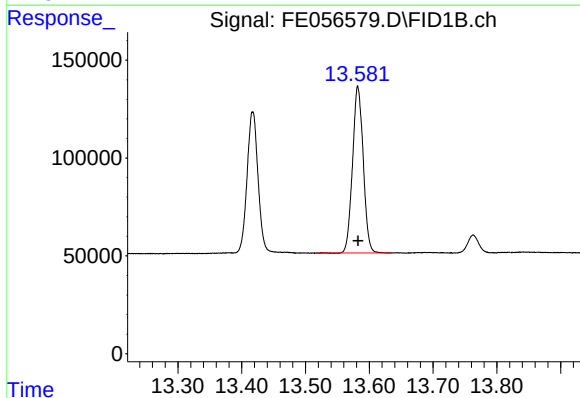
R.T.: 11.979 min
Delta R.T.: 0.000 min
Response: 1115676
Conc: 5.34 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



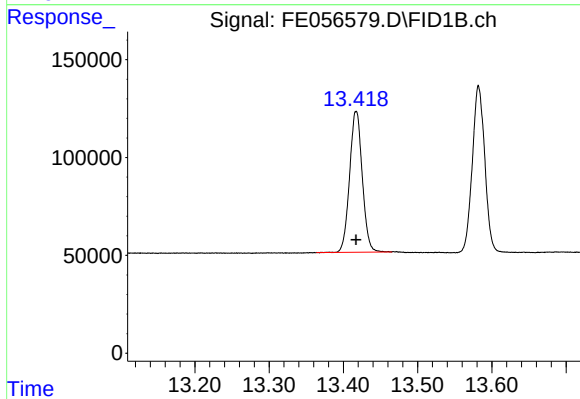
#10 n-Eicosane (C20)

R.T.: 12.969 min
Delta R.T.: 0.000 min
Response: 1012155
Conc: 5.43 ug/ml



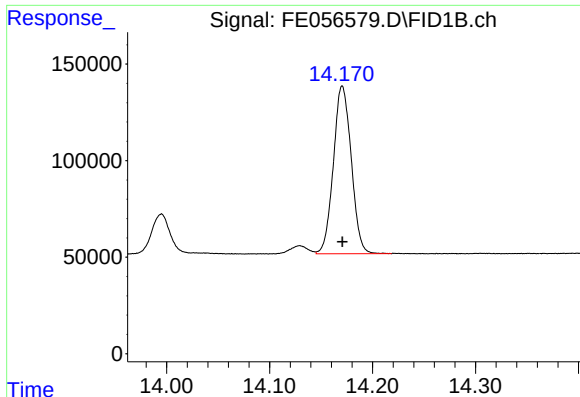
#11 n-Heneicosane (C21)

R.T.: 13.582 min
Delta R.T.: 0.000 min
Response: 993871
Conc: 5.40 ug/ml



#12 1-chlorooctadecane (SURR)

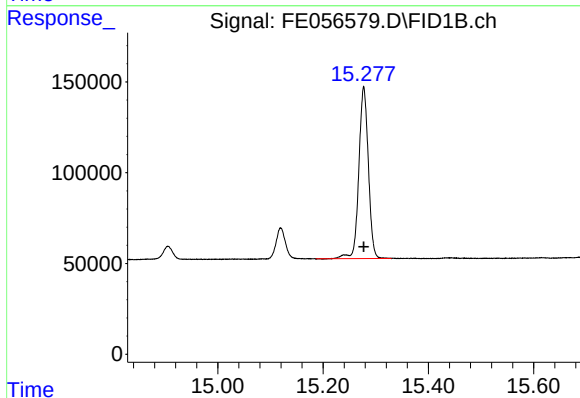
R.T.: 13.417 min
Delta R.T.: 0.000 min
Response: 853728
Conc: 5.30 ug/ml



#13 n-Docosane (C22)

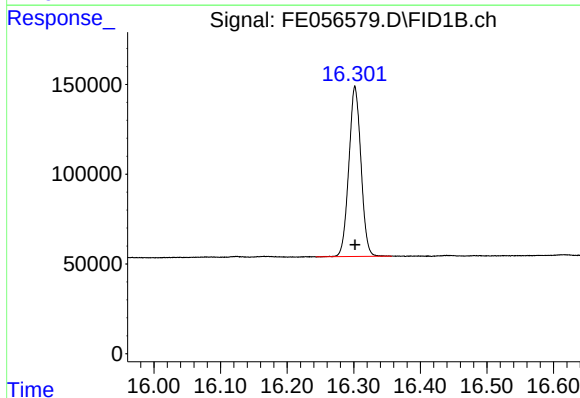
R.T.: 14.171 min
Delta R.T.: 0.000 min
Response: 1047683
Conc: 5.60 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



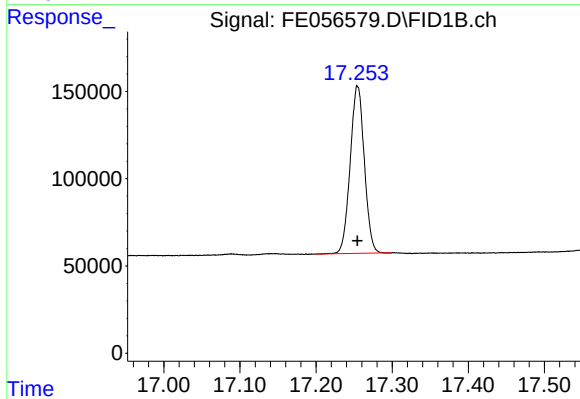
#14 n-Tetracosane (C24)

R.T.: 15.277 min
Delta R.T.: 0.000 min
Response: 1186109
Conc: 6.06 ug/ml



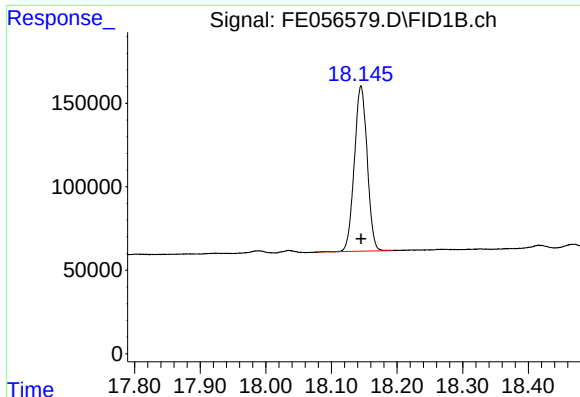
#15 n-Hexacosane (C26)

R.T.: 16.302 min
Delta R.T.: 0.000 min
Response: 1195552
Conc: 6.15 ug/ml



#16 n-Octacosane (C28)

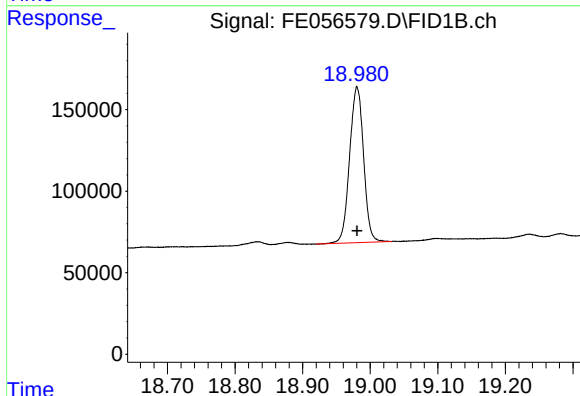
R.T.: 17.255 min
Delta R.T.: 0.000 min
Response: 1236772
Conc: 6.39 ug/ml



#17 n-Tricontane (C30)

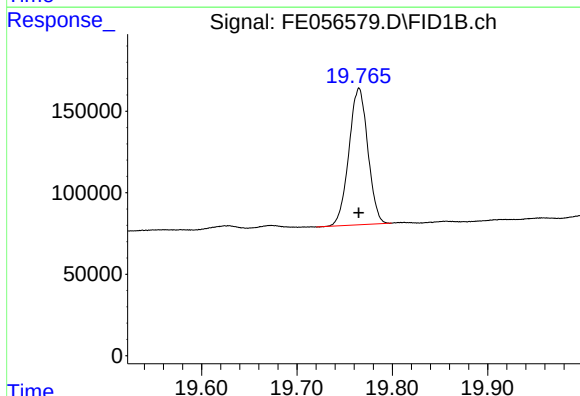
R.T.: 18.145 min
Delta R.T.: 0.000 min
Response: 1343777
Conc: 6.70 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



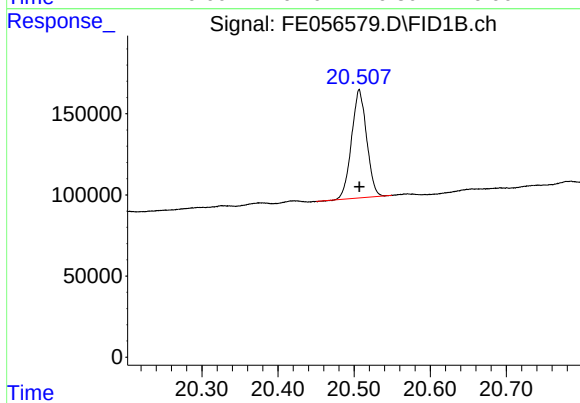
#18 n-Dotriacontane (C32)

R.T.: 18.981 min
Delta R.T.: 0.000 min
Response: 1374204
Conc: 6.99 ug/ml



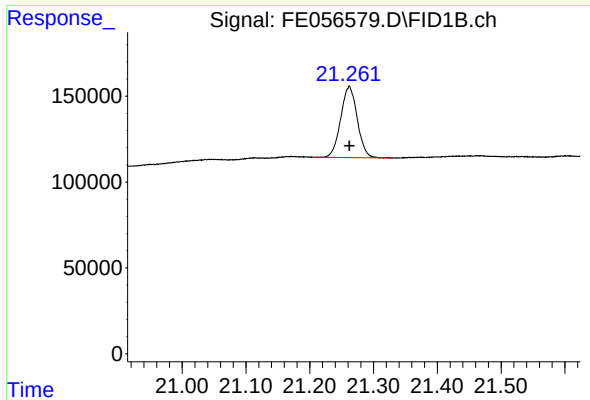
#19 n-Tetratriacontane (C34)

R.T.: 19.765 min
Delta R.T.: 0.000 min
Response: 1156477
Conc: 6.70 ug/ml



#20 n-Hexatriacontane (C36)

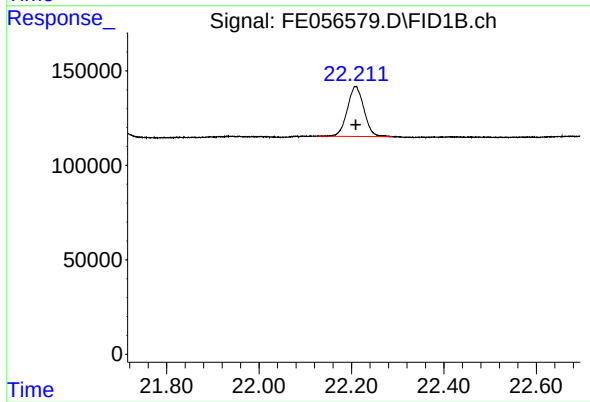
R.T.: 20.507 min
Delta R.T.: 0.000 min
Response: 919020
Conc: 6.35 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.262 min
Delta R.T.: 0.000 min
Response: 747858
Conc: 5.94 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.209 min
Delta R.T.: 0.000 min
Response: 655889
Conc: 5.67 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
 Data File : FE056579.D
 Signal(s) : FID1B.ch
 Acq On : 30 Oct 2025 12:21
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.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	3.333	3.303	3.377	BB	92471	897930	65.34%	4.024%
2	4.585	4.545	4.619	BBA	95384	917558	66.77%	4.112%
3	6.303	6.268	6.377	BB	88968	951651	69.25%	4.264%
4	6.757	6.700	6.800	BB	95428	919808	66.93%	4.122%
5	7.403	7.347	7.487	BB	80203	894288	65.08%	4.007%
6	8.592	8.540	8.642	BB	88772	925756	67.37%	4.148%
7	10.206	10.138	10.265	BB	89800	963615	70.12%	4.318%
8	11.654	11.588	11.710	BB	89973	1006643	73.25%	4.511%
9	11.979	11.920	12.035	BB	104613	1115676	81.19%	4.999%
10	12.969	12.905	13.018	BB	87940	1012155	73.65%	4.536%
11	13.417	13.363	13.465	BB	72050	853728	62.13%	3.826%
12	13.582	13.517	13.635	BB	85261	993871	72.32%	4.454%
13	14.171	14.145	14.218	VB	86814	1047683	76.24%	4.695%
14	15.277	15.187	15.330	BB	94557	1186109	86.31%	5.315%
15	16.302	16.243	16.357	BB	94717	1195552	87.00%	5.357%
16	17.255	17.200	17.299	BBA	95523	1236772	90.00%	5.542%
17	18.145	18.077	18.192	BB	99085	1343777	97.79%	6.022%
18	18.981	18.920	19.032	BB	95776	1374204	100.00%	6.158%
19	19.765	19.720	19.799	BBA	84124	1156477	84.16%	5.182%
20	20.507	20.450	20.549	BBA	66647	919020	66.88%	4.118%
21	21.262	21.210	21.328	BB	41776	747858	54.42%	3.351%
22	22.209	22.123	22.287	BB	26317	655889	47.73%	2.939%
Sum of corrected areas:							22316018	

Aliphatic EPH 103025.M Thu Oct 30 12:59:22 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
 Data File : FE056580.D
 Signal(s) : FID1B.ch
 Acq On : 30 Oct 2025 12:51
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Oct 30 13:21:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 30 12:50:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.979	3698663	17.704 ug/ml
Spiked Amount 50.000		Recovery =	35.41%
12) S 1-chlorooctadecane (S...	13.417	2853138	17.708 ug/ml
Spiked Amount 50.000		Recovery =	35.42%
Target Compounds			
1) T n-Nonane (C9)	3.331	2974720	17.711 ug/ml
2) T n-Decane (C10)	4.584	3032863	17.675 ug/ml
3) T A~Naphthalene (C11.7)	6.301	3268504	17.707 ug/ml
4) T n-Dodecane (C12)	6.757	3080927	17.714 ug/ml
5) T A~2-methylnaphthalene...	7.401	3138399	17.709 ug/ml
6) T n-Tetradecane (C14)	8.592	3087511	17.688 ug/ml
7) T n-Hexadecane (C16)	10.206	3246411	17.744 ug/ml
8) T n-Octadecane (C18)	11.655	3352800	17.714 ug/ml
10) T n-Eicosane (C20)	12.969	3290342	17.656 ug/ml
11) T n-Heneicosane (C21)	13.583	3256292	17.709 ug/ml
13) T n-Docosane (C22)	14.171	3252345	17.374 ug/ml
14) T n-Tetracosane (C24)	15.279	3265557	16.673 ug/ml
15) T n-Hexacosane (C26)	16.303	3203978	16.487 ug/ml
16) T n-Octacosane (C28)	17.256	3101810	16.017 ug/ml
17) T n-Tricontane (C30)	18.145	3129479	15.609 ug/ml
18) T n-Dotriacontane (C32)	18.980	2966227	15.084 ug/ml
19) T n-Tetratriacontane (C34)	19.765	2678828	15.520 ug/ml
20) T n-Hexatriacontane (C36)	20.508	2321116	16.046 ug/ml
21) T n-Octatriacontane (C38)	21.262	2080984	16.534 ug/ml
22) T n-Tetracontane (C40)	22.209	1952947	16.892 ug/ml

(f)=RT Delta > 1/2 Window

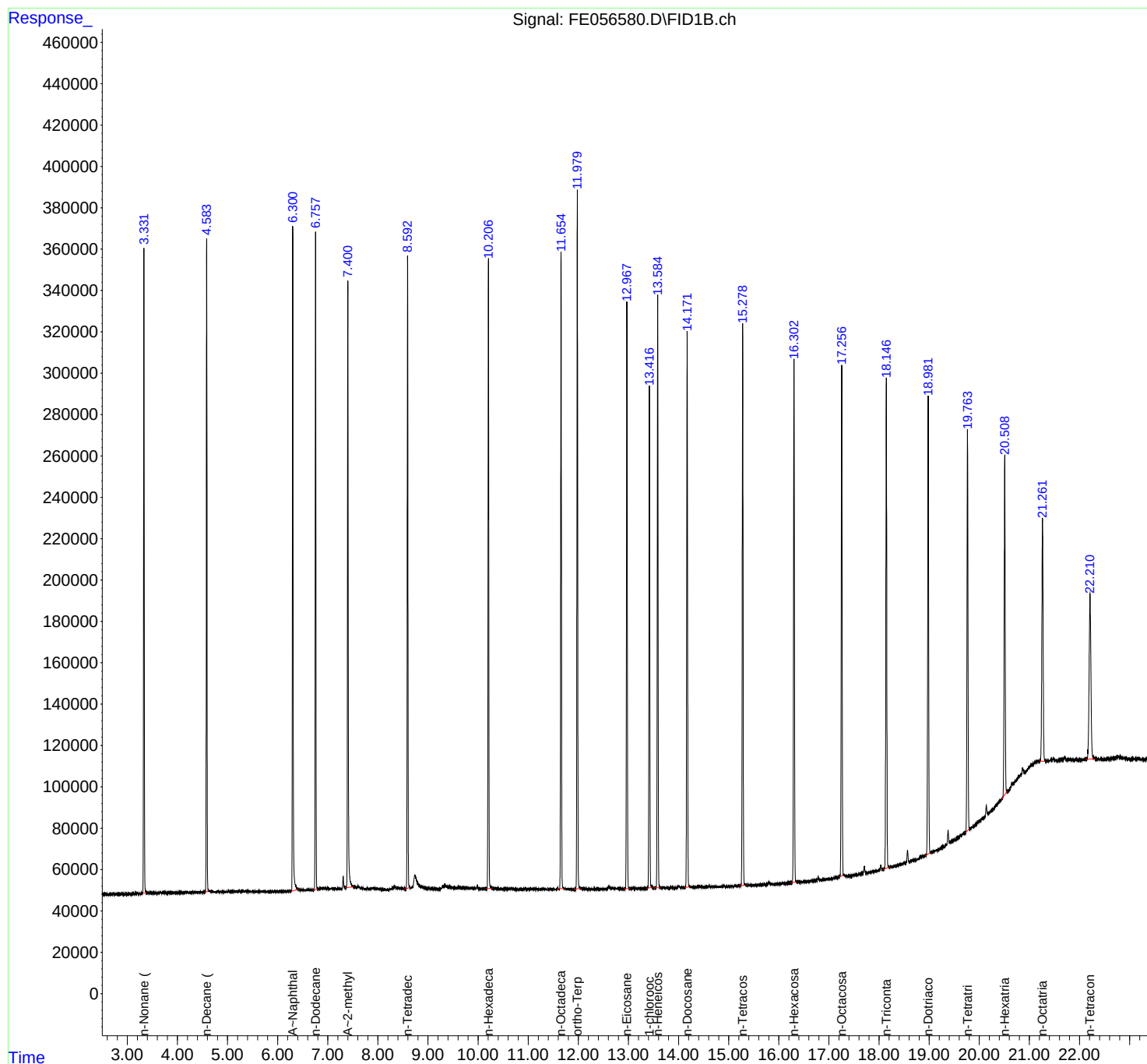
(m)=manual int.

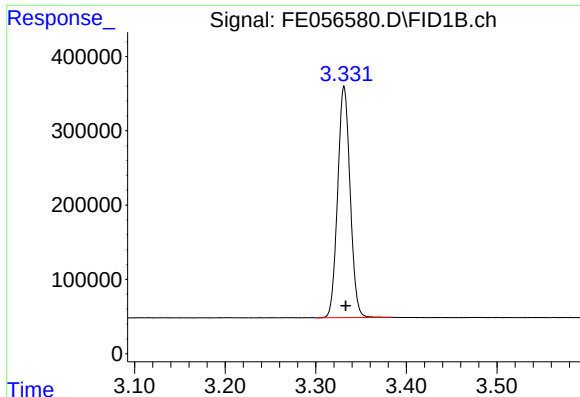
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056580.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 12:51
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 30 13:21:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Thu Oct 30 12:50:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 n-Nonane (C9)

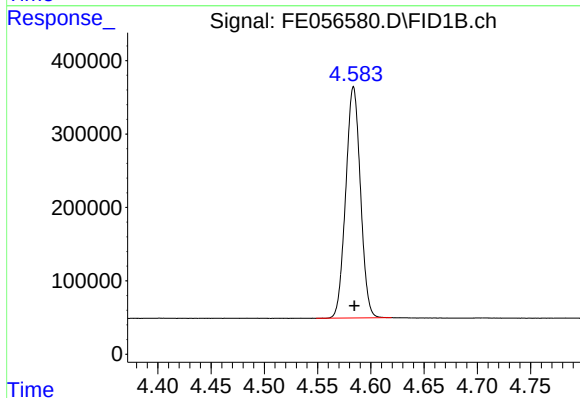
R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 2974720
Conc: 17.71 ug/ml

Instrument :

FID_E

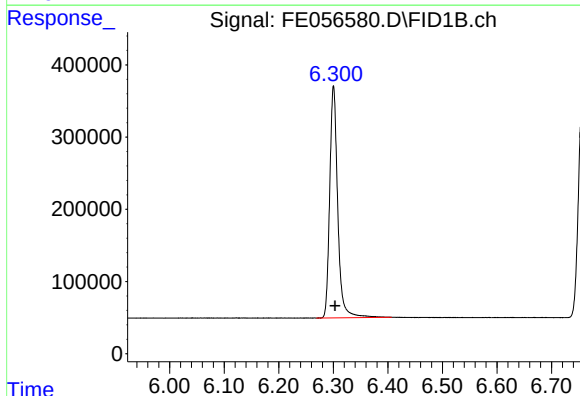
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



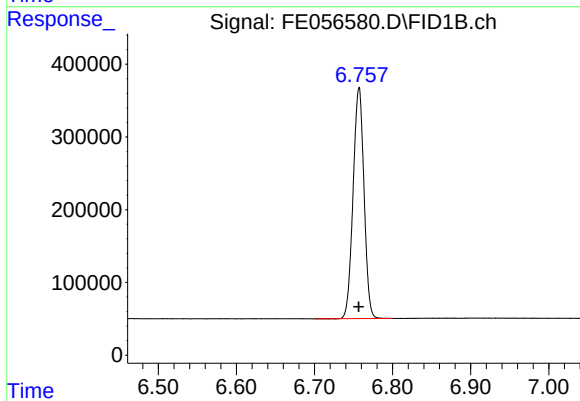
#2 n-Decane (C10)

R.T.: 4.584 min
Delta R.T.: 0.000 min
Response: 3032863
Conc: 17.67 ug/ml



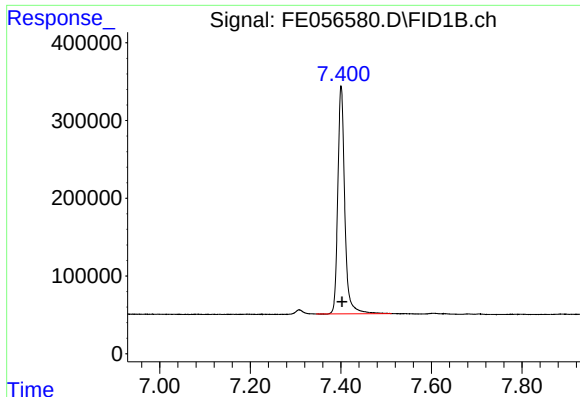
#3 A~Naphthalene (C11.7)

R.T.: 6.301 min
Delta R.T.: -0.003 min
Response: 3268504
Conc: 17.71 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 3080927
Conc: 17.71 ug/ml



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

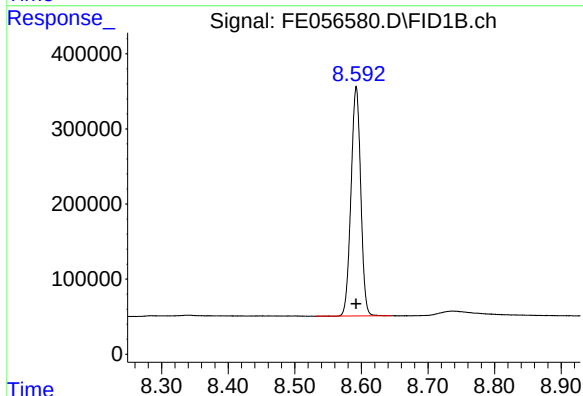
R.T.: 7.401 min
Delta R.T.: -0.002 min
Response: 3138399
Conc: 17.71 ug/ml

Instrument :

FID_E

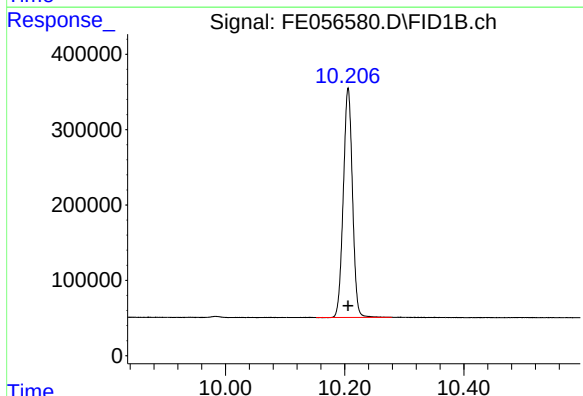
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



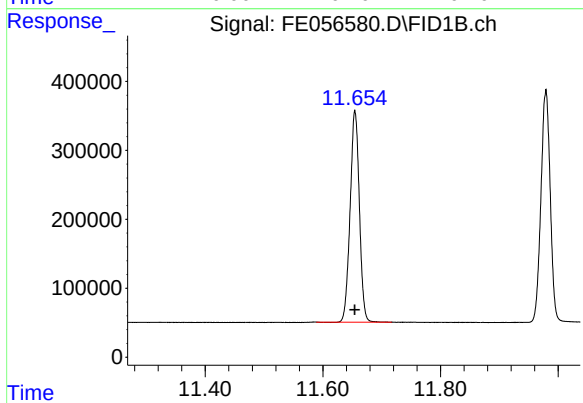
#6 n-Tetradecane (C14)

R.T.: 8.592 min
Delta R.T.: 0.000 min
Response: 3087511
Conc: 17.69 ug/ml



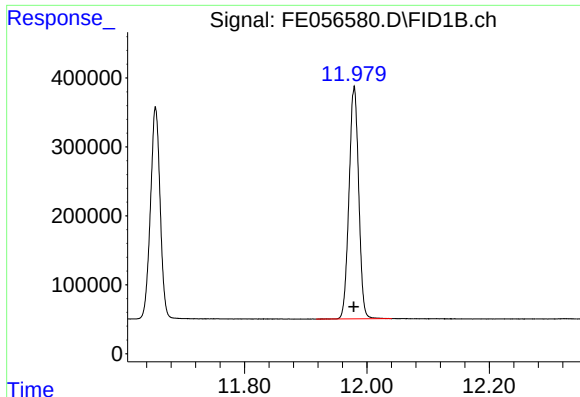
#7 n-Hexadecane (C16)

R.T.: 10.206 min
Delta R.T.: 0.000 min
Response: 3246411
Conc: 17.74 ug/ml



#8 n-Octadecane (C18)

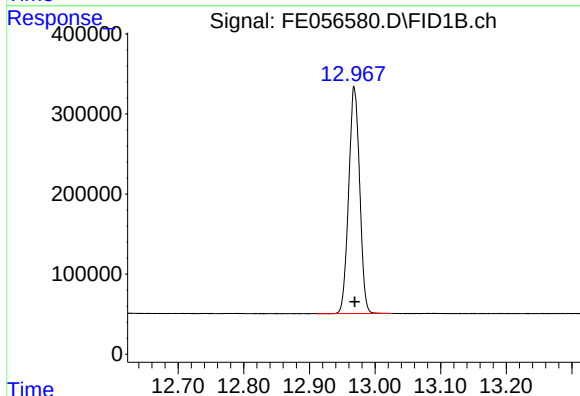
R.T.: 11.655 min
Delta R.T.: 0.000 min
Response: 3352800
Conc: 17.71 ug/ml



#9 ortho-Terphenyl (SURR)

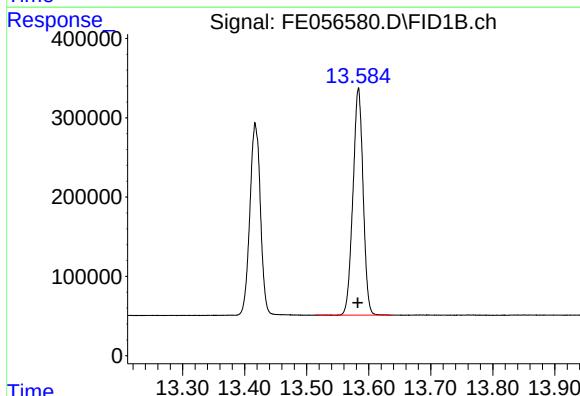
R.T.: 11.979 min
Delta R.T.: 0.000 min
Response: 3698663
Conc: 17.70 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



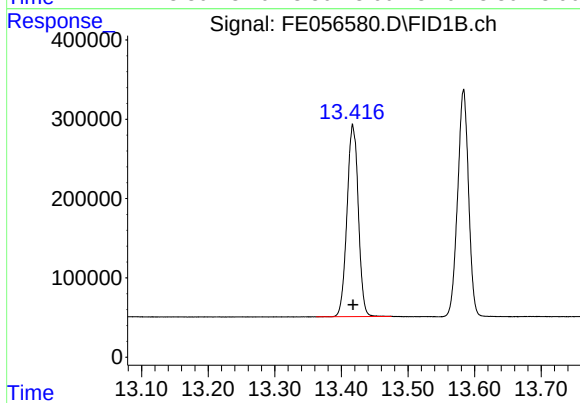
#10 n-Eicosane (C20)

R.T.: 12.969 min
Delta R.T.: 0.000 min
Response: 3290342
Conc: 17.66 ug/ml



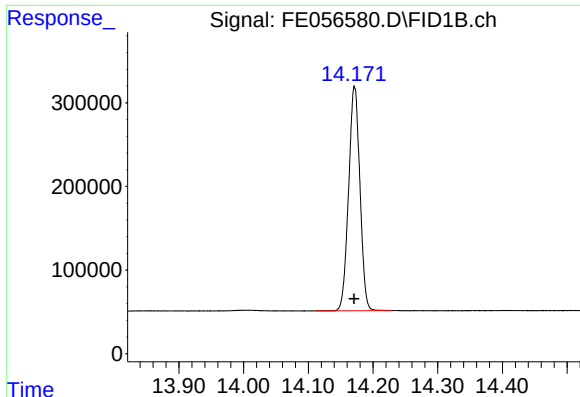
#11 n-Heneicosane (C21)

R.T.: 13.583 min
Delta R.T.: 0.001 min
Response: 3256292
Conc: 17.71 ug/ml



#12 1-chlorooctadecane (SURR)

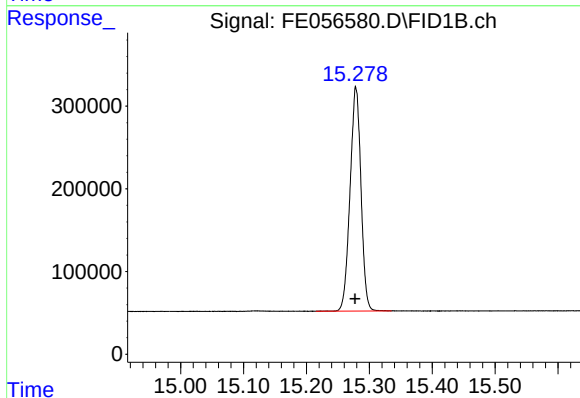
R.T.: 13.417 min
Delta R.T.: 0.000 min
Response: 2853138
Conc: 17.71 ug/ml



#13 n-Docosane (C22)

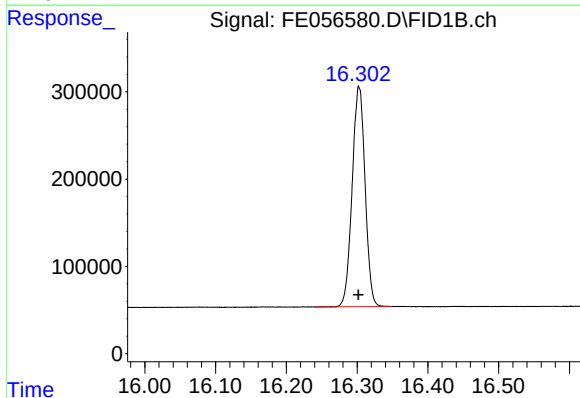
R.T.: 14.171 min
Delta R.T.: 0.000 min
Response: 3252345
Conc: 17.37 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



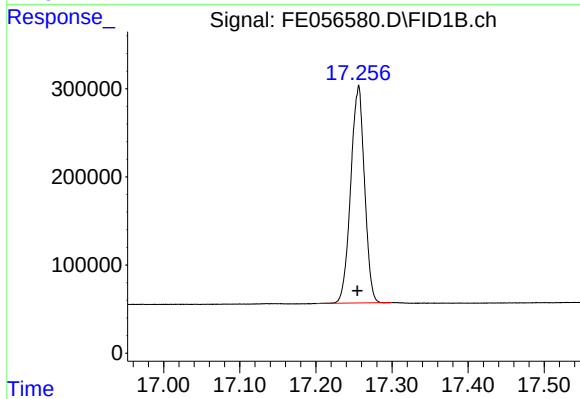
#14 n-Tetracosane (C24)

R.T.: 15.279 min
Delta R.T.: 0.001 min
Response: 3265557
Conc: 16.67 ug/ml



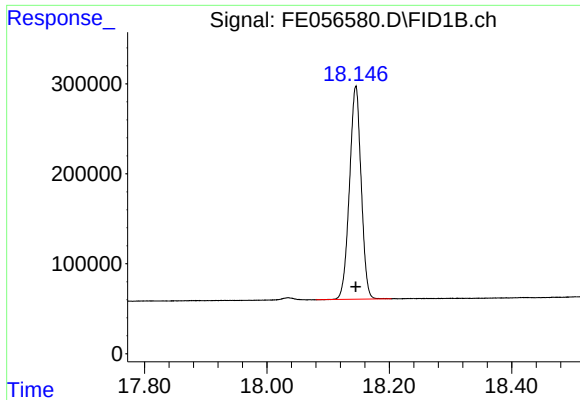
#15 n-Hexacosane (C26)

R.T.: 16.303 min
Delta R.T.: 0.000 min
Response: 3203978
Conc: 16.49 ug/ml



#16 n-Octacosane (C28)

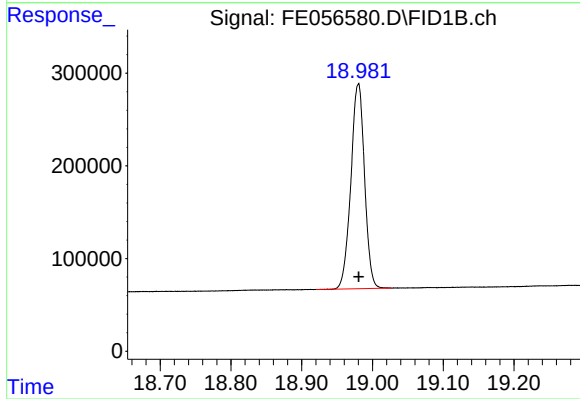
R.T.: 17.256 min
Delta R.T.: 0.001 min
Response: 3101810
Conc: 16.02 ug/ml



#17 n-Tricontane (C30)

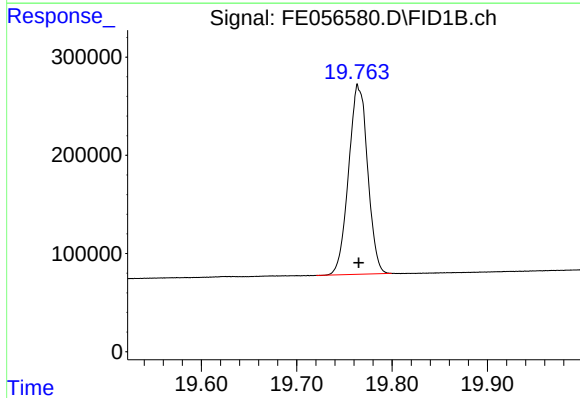
R.T.: 18.145 min
Delta R.T.: 0.000 min
Response: 3129479
Conc: 15.61 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



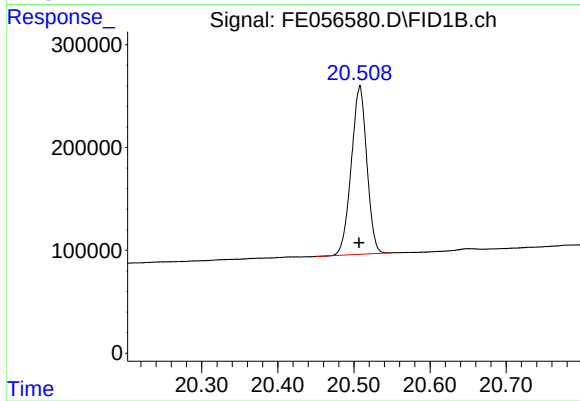
#18 n-Dotriacontane (C32)

R.T.: 18.980 min
Delta R.T.: 0.000 min
Response: 2966227
Conc: 15.08 ug/ml



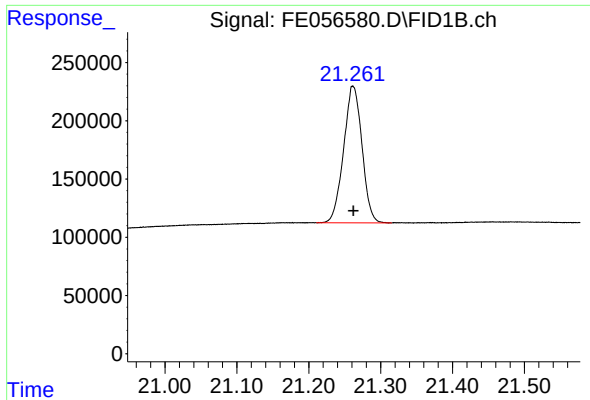
#19 n-Tetratriacontane (C34)

R.T.: 19.765 min
Delta R.T.: 0.000 min
Response: 2678828
Conc: 15.52 ug/ml



#20 n-Hexatriacontane (C36)

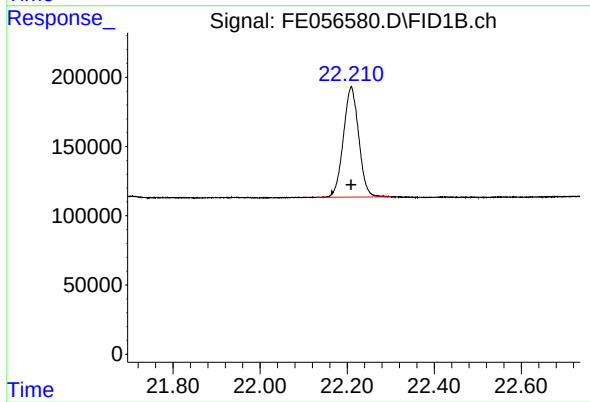
R.T.: 20.508 min
Delta R.T.: 0.000 min
Response: 2321116
Conc: 16.05 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.262 min
Delta R.T.: 0.000 min
Response: 2080984
Conc: 16.53 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.209 min
Delta R.T.: 0.000 min
Response: 1952947
Conc: 16.89 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056580.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 12:51
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.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	3.331	3.300	3.384	BB	310481	2974720	80.43%	4.491%
2	4.584	4.549	4.620	BBA	315244	3032863	82.00%	4.579%
3	6.301	6.269	6.407	BB	321401	3268504	88.37%	4.935%
4	6.757	6.702	6.799	BB	318158	3080927	83.30%	4.652%
5	7.401	7.345	7.512	BB	293420	3138399	84.85%	4.738%
6	8.592	8.532	8.645	BB	305141	3087511	83.48%	4.662%
7	10.206	10.152	10.279	BB	304154	3246411	87.77%	4.901%
8	11.655	11.589	11.717	BB	305409	3352800	90.65%	5.062%
9	11.979	11.917	12.040	BB	334249	3698663	100.00%	5.584%
10	12.969	12.910	13.025	BB	280820	3290342	88.96%	4.968%
11	13.417	13.362	13.475	BB	241413	2853138	77.14%	4.308%
12	13.583	13.515	13.637	BB	286535	3256292	88.04%	4.916%
13	14.171	14.112	14.229	BB	266967	3252345	87.93%	4.910%
14	15.279	15.215	15.335	BB	270242	3265557	88.29%	4.930%
15	16.303	16.242	16.349	BB	253168	3203978	86.63%	4.837%
16	17.256	17.200	17.300	BBA	243564	3101810	83.86%	4.683%
17	18.145	18.080	18.204	BB	236990	3129479	84.61%	4.725%
18	18.980	18.920	19.027	BB	221501	2966227	80.20%	4.478%
19	19.765	19.720	19.800	BBA	187610	2678828	72.43%	4.044%
20	20.508	20.450	20.550	BBA	162660	2321116	62.76%	3.504%
21	21.262	21.210	21.315	BB	117144	2080984	56.26%	3.142%
22	22.209	22.129	22.302	BB	79731	1952947	52.80%	2.949%
Sum of corrected areas:							66233841	

Aliphatic EPH 103025.M Thu Oct 30 13:22:51 2025

Continuing Calibration Report for SequenceID : FE112525AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE057019.D

Aliphatic C9-C12	10435045.000	60.000	3.205	6.828	173917.417	171162.641	-1.609
Aliphatic C12-C16	7212808.000	40.000	6.829	10.273	180320.200	178754.319	-0.876
Aliphatic C16-C21	10514850.000	60.000	10.274	13.645	175247.500	186505.496	6.036
Aliphatic C21-C28	13530180.000	80.000	13.646	17.314	169127.250	192766.144	12.263
Aliphatic C28-C40	19267681.000	120.000	17.315	22.241	160564.008	159314.647	-0.784
Aliphatic EPH	60960564.000	360.000	3.205	22.241	169334.900	175414.751	3.466

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	25 Nov 2025 10:51
Client Sample ID:		Operator:	YP\AJ
Data file:	FE057019.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.205	6.828	10435045.000	60.000	ug/ml
Aliphatic C12-C16	6.829	10.273	7212808.000	40.000	ug/ml
Aliphatic C16-C21	10.274	13.645	10514850.000	60.000	ug/ml
Aliphatic C21-C28	13.646	17.314	13530180.000	80.000	ug/ml
Aliphatic C28-C40	17.315	22.241	19267681.000	120.000	ug/ml
Aliphatic EPH	3.205	22.241	60960564.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
 Data File : FE057019.D
 Signal(s) : FID1B.ch
 Acq On : 25 Nov 2025 10:51
 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: sample.E
 Quant Time: Nov 26 00:41:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 18 13:37:28 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	3876144	18.554 ug/ml
Spiked Amount 50.000		Recovery =	37.11%
12) S 1-chlorooctadecane (S...	13.380	2937450	18.232 ug/ml
Spiked Amount 50.000		Recovery =	36.46%
Target Compounds			
1) T n-Nonane (C9)	3.305	3294010	19.611 ug/ml
2) T n-Decane (C10)	4.556	3530236	20.573 ug/ml
3) T A~Naphthalene (C11.7)	6.272	3538753	19.171 ug/ml
4) T n-Dodecane (C12)	6.728	3610799	20.760 ug/ml
5) T A~2-methylnaphthalene...	7.371	3329486	18.787 ug/ml
6) T n-Tetradecane (C14)	8.561	3571308	20.460 ug/ml
7) T n-Hexadecane (C16)	10.173	3641500	19.904 ug/ml
8) T n-Octadecane (C18)	11.619	3656377	19.318 ug/ml
10) T n-Eicosane (C20)	12.932	3469140	18.615 ug/ml
11) T n-Heneicosane (C21)	13.545	3389333	18.432 ug/ml
13) T n-Docosane (C22)	14.133	3393529	18.128 ug/ml
14) T n-Tetracosane (C24)	15.239	3380444	17.259 ug/ml
15) T n-Hexacosane (C26)	16.262	3342552	17.200 ug/ml
16) T n-Octacosane (C28)	17.214	3413655	17.627 ug/ml
17) T n-Tricontane (C30)	18.103	3633448	18.122 ug/ml
18) T n-Dotriacontane (C32)	18.937	3691953	18.774 ug/ml
19) T n-Tetratriacontane (C34)	19.724	3415497	19.787 ug/ml
20) T n-Hexatriacontane (C36)	20.464	2998012	20.725 ug/ml
21) T n-Octatriacontane (C38)	21.211	2805589	22.291 ug/ml
22) T n-Tetracontane (C40)	22.141	2723182	23.554 ug/ml

(f)=RT Delta > 1/2 Window

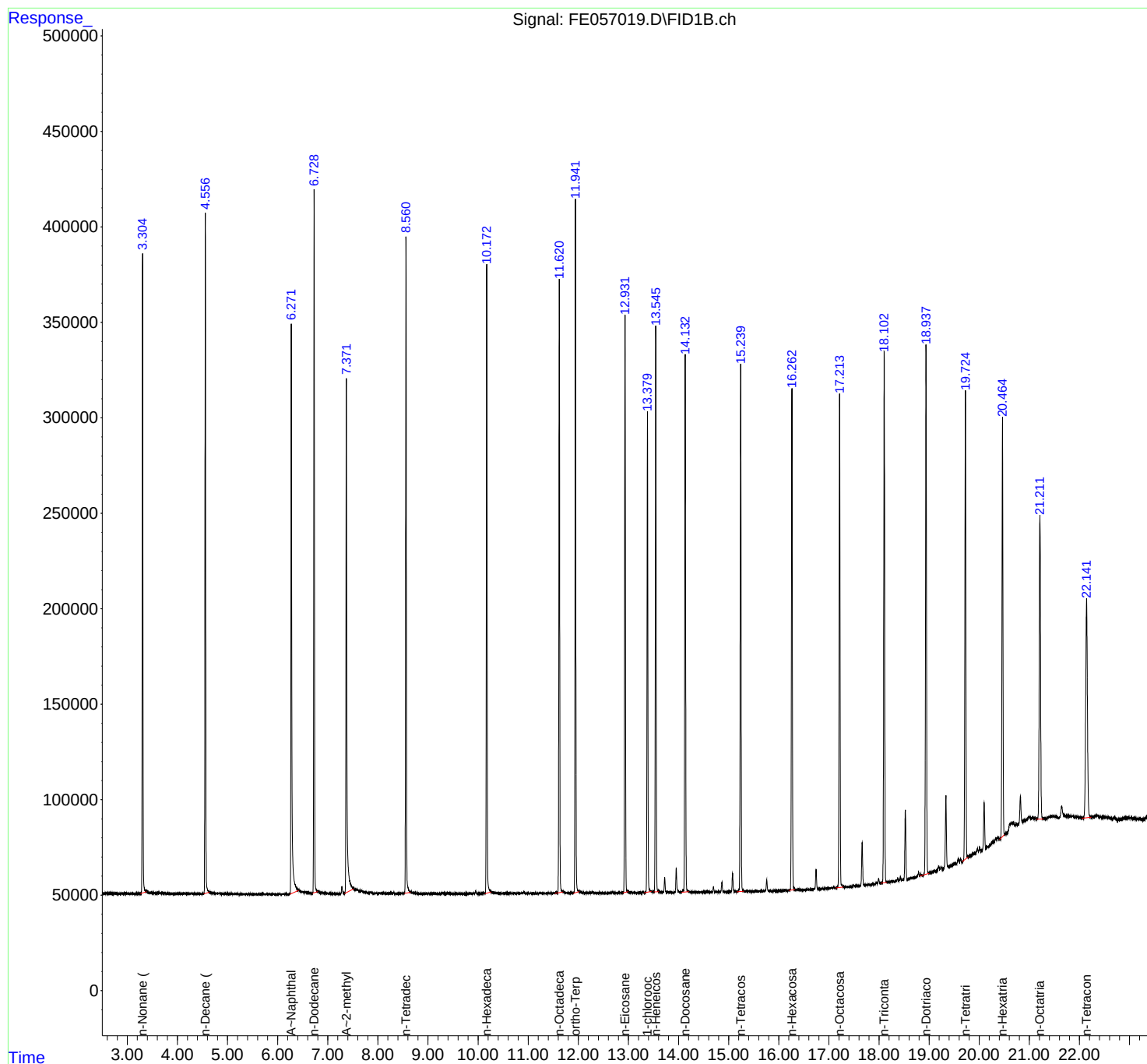
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
Data File : FE057019.D
Signal(s) : FID1B.ch
Acq On : 25 Nov 2025 10:51
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: sample.E
Quant Time: Nov 26 00:41:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 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\FE112525AL\
 Data File : FE057019.D
 Signal(s) : FID1B.ch
 Acq On : 25 Nov 2025 10:51
 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 103025.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	3.260	3.379	BB	335454	3294010	84.98%	4.413%
2	4.556	4.520	4.639	BB	355770	3530236	91.08%	4.730%
3	6.272	6.244	6.420	BB	297505	3538753	91.30%	4.741%
4	6.728	6.695	6.802	BB	369128	3610799	93.15%	4.837%
5	7.371	7.335	7.517	BB	268757	3329486	85.90%	4.461%
6	8.561	8.529	8.654	BB	343830	3571308	92.14%	4.785%
7	10.173	10.137	10.260	BB	329962	3641500	93.95%	4.879%
8	11.619	11.529	11.692	BB	323048	3656377	94.33%	4.899%
9	11.942	11.900	12.015	BB	363137	3876144	100.00%	5.193%
10	12.932	12.890	12.990	BB	301220	3469140	89.50%	4.648%
11	13.380	13.315	13.455	BB	252002	2937450	75.78%	3.935%
12	13.545	13.509	13.605	BB	295671	3389333	87.44%	4.541%
13	14.133	14.059	14.200	BB	277768	3393529	87.55%	4.546%
14	15.239	15.169	15.305	BB	275280	3380444	87.21%	4.529%
15	16.262	16.204	16.327	BB	262723	3342552	86.23%	4.478%
16	17.214	17.139	17.290	BB	258706	3413655	88.07%	4.573%
17	18.103	18.040	18.155	BB	275701	3633448	93.74%	4.868%
18	18.937	18.814	18.999	VB	276872	3691953	95.25%	4.946%
19	19.724	19.657	19.780	BB	244415	3415497	88.12%	4.576%
20	20.464	20.404	20.504	BV	218430	2998012	77.35%	4.016%
21	21.211	21.140	21.279	BB	158880	2805589	72.38%	3.759%
22	22.141	22.050	22.237	BB	114945	2723182	70.25%	3.648%
Sum of corrected areas:							74642395	

Aliphatic EPH 103025.M Wed Nov 26 01:04:36 2025

Continuing Calibration Report for SequenceID : FE112525AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE057035.D

Aliphatic C9-C12	10611745.000	60.000	3.205	6.828	176862.417	171162.641	-3.330
Aliphatic C12-C16	7330983.000	40.000	6.829	10.273	183274.575	178754.319	-2.529
Aliphatic C16-C21	10711340.000	60.000	10.274	13.645	178522.333	186505.496	4.280
Aliphatic C21-C28	13808139.000	80.000	13.646	17.314	172601.738	192766.144	10.461
Aliphatic C28-C40	19789924.000	120.000	17.315	22.241	164916.033	159314.647	-3.516
Aliphatic EPH	62252131.000	360.000	3.205	22.241	172922.586	175414.751	1.421

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	26 Nov 2025 06:20
Client Sample ID:		Operator:	YP\AJ
Data file:	FE057035.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.205	6.828	10611745.000	60.000	ug/ml
Aliphatic C12-C16	6.829	10.273	7330983.000	40.000	ug/ml
Aliphatic C16-C21	10.274	13.645	10711340.000	60.000	ug/ml
Aliphatic C21-C28	13.646	17.314	13808139.000	80.000	ug/ml
Aliphatic C28-C40	17.315	22.241	19789924.000	120.000	ug/ml
Aliphatic EPH	3.205	22.241	62252131.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
 Data File : FE057035.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 06:20
 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: sample.E
 Quant Time: Nov 26 06:44:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 18 13:37:28 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	3939211	18.856 ug/ml
Spiked Amount 50.000		Recovery =	37.71%
12) S 1-chlorooctadecane (S...	13.379	3008770	18.674 ug/ml
Spiked Amount 50.000		Recovery =	37.35%
Target Compounds			
1) T n-Nonane (C9)	3.302	3350575	19.948 ug/ml
2) T n-Decane (C10)	4.554	3592398	20.935 ug/ml
3) T A~Naphthalene (C11.7)	6.270	3598692	19.496 ug/ml
4) T n-Dodecane (C12)	6.726	3668772	21.093 ug/ml
5) T A~2-methylnaphthalene...	7.370	3425460	19.329 ug/ml
6) T n-Tetradecane (C14)	8.559	3631105	20.802 ug/ml
7) T n-Hexadecane (C16)	10.171	3699878	20.223 ug/ml
8) T n-Octadecane (C18)	11.618	3721422	19.662 ug/ml
10) T n-Eicosane (C20)	12.930	3533348	18.959 ug/ml
11) T n-Heneicosane (C21)	13.544	3456570	18.798 ug/ml
13) T n-Docosane (C22)	14.131	3457767	18.471 ug/ml
14) T n-Tetracosane (C24)	15.238	3453064	17.630 ug/ml
15) T n-Hexacosane (C26)	16.261	3410175	17.548 ug/ml
16) T n-Octacosane (C28)	17.213	3487133	18.006 ug/ml
17) T n-Tricontane (C30)	18.103	3731625	18.612 ug/ml
18) T n-Dotriacontane (C32)	18.937	3804772	19.348 ug/ml
19) T n-Tetratriacontane (C34)	19.722	3509091	20.330 ug/ml
20) T n-Hexatriacontane (C36)	20.463	3084724	21.324 ug/ml
21) T n-Octatriacontane (C38)	21.209	2858929	22.715 ug/ml
22) T n-Tetracontane (C40)	22.139	2800783	24.225 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
 Data File : FE057035.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 06:20
 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 103025.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	3.302	3.270	3.387	BB	342576	3350575	85.06%	4.396%
2	4.554	4.519	4.644	BB	359859	3592398	91.20%	4.713%
3	6.270	6.240	6.417	BB	301680	3598692	91.36%	4.721%
4	6.726	6.687	6.802	BB	371199	3668772	93.13%	4.813%
5	7.370	7.335	7.532	BB	268754	3425460	86.96%	4.494%
6	8.559	8.525	8.654	BB	345050	3631105	92.18%	4.764%
7	10.171	10.135	10.259	BB	333991	3699878	93.92%	4.854%
8	11.618	11.577	11.697	BB	332530	3721422	94.47%	4.882%
9	11.941	11.902	12.020	BB	375057	3939211	100.00%	5.168%
10	12.930	12.894	12.987	BB	305770	3533348	89.70%	4.635%
11	13.379	13.329	13.454	BB	252305	3008770	76.38%	3.947%
12	13.544	13.507	13.607	BB	293312	3456570	87.75%	4.535%
13	14.131	14.047	14.200	BB	284142	3457767	87.78%	4.536%
14	15.238	15.167	15.302	BB	277724	3453064	87.66%	4.530%
15	16.261	16.202	16.320	BB	267059	3410175	86.57%	4.474%
16	17.213	17.139	17.292	BB	267760	3487133	88.52%	4.575%
17	18.103	18.039	18.150	BB	279312	3731625	94.73%	4.896%
18	18.937	18.864	18.994	BB	276170	3804772	96.59%	4.992%
19	19.722	19.657	19.779	BB	250310	3509091	89.08%	4.604%
20	20.463	20.404	20.507	BV	214599	3084724	78.31%	4.047%
21	21.209	21.139	21.285	BB	167353	2858929	72.58%	3.751%
22	22.139	22.050	22.232	BB	117422	2800783	71.10%	3.674%
Sum of corrected areas:							76224262	

Aliphatic EPH 103025.M Wed Nov 26 06:47:15 2025

Continuing Calibration Report for SequenceID : FE112625AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE057038.D

Aliphatic C9-C12	10677342.000	60.000	3.202	6.826	177955.700	171162.641	-3.969
Aliphatic C12-C16	7389693.000	40.000	6.827	10.271	184742.325	178754.319	-3.350
Aliphatic C16-C21	10843181.000	60.000	10.272	13.644	180719.683	186505.496	3.102
Aliphatic C21-C28	14033669.000	80.000	13.645	17.314	175420.863	192766.144	8.998
Aliphatic C28-C40	20478450.000	120.000	17.315	22.241	170653.750	159314.647	-7.117
Aliphatic EPH	63422335.000	360.000	3.202	22.241	176173.153	175414.751	-0.432

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	26 Nov 2025 09:59
Client Sample ID:		Operator:	YP\AJ
Data file:	FE057038.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.202	6.826	10677342.000	60.000	ug/ml
Aliphatic C12-C16	6.827	10.271	7389693.000	40.000	ug/ml
Aliphatic C16-C21	10.272	13.644	10843181.000	60.000	ug/ml
Aliphatic C21-C28	13.645	17.314	14033669.000	80.000	ug/ml
Aliphatic C28-C40	17.315	22.241	20478450.000	120.000	ug/ml
Aliphatic EPH	3.202	22.241	63422335.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112625AL\
 Data File : FE057038.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 09:59
 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: sample.E
 Quant Time: Nov 26 11:35:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 18 13:37:28 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	3994991	19.123 ug/ml
Spiked Amount 50.000		Recovery =	38.25%
12) S 1-chlorooctadecane (S...	13.378	3052356	18.945 ug/ml
Spiked Amount 50.000		Recovery =	37.89%
Target Compounds			
1) T n-Nonane (C9)	3.302	3376070	20.100 ug/ml
2) T n-Decane (C10)	4.554	3610923	21.043 ug/ml
3) T A~Naphthalene (C11.7)	6.270	3619717	19.610 ug/ml
4) T n-Dodecane (C12)	6.726	3690349	21.217 ug/ml
5) T A~2-methylnaphthalene...	7.370	3423723	19.319 ug/ml
6) T n-Tetradecane (C14)	8.559	3659102	20.963 ug/ml
7) T n-Hexadecane (C16)	10.171	3730591	20.391 ug/ml
8) T n-Octadecane (C18)	11.618	3763760	19.886 ug/ml
10) T n-Eicosane (C20)	12.931	3577689	19.197 ug/ml
11) T n-Heneicosane (C21)	13.544	3501732	19.043 ug/ml
13) T n-Docosane (C22)	14.132	3509062	18.745 ug/ml
14) T n-Tetracosane (C24)	15.238	3505260	17.896 ug/ml
15) T n-Hexacosane (C26)	16.262	3466012	17.835 ug/ml
16) T n-Octacosane (C28)	17.214	3553335	18.348 ug/ml
17) T n-Tricontane (C30)	18.104	3839030	19.148 ug/ml
18) T n-Dotriacontane (C32)	18.939	3951829	20.096 ug/ml
19) T n-Tetratriacontane (C34)	19.724	3651670	21.156 ug/ml
20) T n-Hexatriacontane (C36)	20.464	3190845	22.058 ug/ml
21) T n-Octatriacontane (C38)	21.211	2965696	23.563 ug/ml
22) T n-Tetracontane (C40)	22.141	2879380	24.905 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

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\FE112625AL\
 Data File : FE057038.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 09:59
 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 103025.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	3.302	3.264	3.390	BB	340505	3376070	84.51%	4.355%
2	4.554	4.522	4.644	BB	362925	3610923	90.39%	4.658%
3	6.270	6.239	6.422	BB	306324	3619717	90.61%	4.670%
4	6.726	6.689	6.802	BB	369016	3690349	92.37%	4.761%
5	7.370	7.327	7.530	BB	265296	3423723	85.70%	4.417%
6	8.559	8.527	8.660	BB	350244	3659102	91.59%	4.721%
7	10.171	10.135	10.257	BB	341909	3730591	93.38%	4.813%
8	11.618	11.570	11.699	BB	334771	3763760	94.21%	4.856%
9	11.941	11.905	12.019	BB	362732	3994991	100.00%	5.154%
10	12.931	12.894	12.982	BB	295324	3577689	89.55%	4.616%
11	13.378	13.312	13.462	BB	256184	3052356	76.40%	3.938%
12	13.544	13.509	13.610	BB	293387	3501732	87.65%	4.518%
13	14.132	14.059	14.204	BB	290710	3509062	87.84%	4.527%
14	15.238	15.172	15.307	BB	290653	3505260	87.74%	4.522%
15	16.262	16.197	16.329	BB	269544	3466012	86.76%	4.472%
16	17.214	17.139	17.289	BB	270679	3553335	88.94%	4.584%
17	18.104	18.040	18.159	BB	288871	3839030	96.10%	4.953%
18	18.939	18.859	18.999	BB	287136	3951829	98.92%	5.098%
19	19.724	19.659	19.782	BB	262117	3651670	91.41%	4.711%
20	20.464	20.407	20.504	BV	225490	3190845	79.87%	4.117%
21	21.211	21.040	21.282	BB	169379	2965696	74.24%	3.826%
22	22.141	22.050	22.250	BB	117901	2879380	72.07%	3.715%
Sum of corrected areas:							77513124	

Aliphatic EPH 103025.M Wed Nov 26 11:38:34 2025

Continuing Calibration Report for SequenceID : FE112625AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE057045.D

Aliphatic C9-C12	10113595.000	60.000	3.202	6.826	168559.917	171162.641	1.521
Aliphatic C12-C16	6800230.000	40.000	6.827	10.271	170005.750	178754.319	4.894
Aliphatic C16-C21	9918467.000	60.000	10.272	13.644	165307.783	186505.496	11.366
Aliphatic C21-C28	12333401.000	80.000	13.645	17.314	154167.513	192766.144	20.024
Aliphatic C28-C40	16521098.000	120.000	17.315	22.241	137675.817	159314.647	13.582
Aliphatic EPH	55686791.000	360.000	3.202	22.241	154685.531	175414.751	11.817

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	26 Nov 2025 14:33
Client Sample ID:		Operator:	YP\AJ
Data file:	FE057045.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.202	6.826	10113595.000	60.000	ug/ml
Aliphatic C12-C16	6.827	10.271	6800230.000	40.000	ug/ml
Aliphatic C16-C21	10.272	13.644	9918467.000	60.000	ug/ml
Aliphatic C21-C28	13.645	17.314	12333401.000	80.000	ug/ml
Aliphatic C28-C40	17.315	22.241	16521098.000	120.000	ug/ml
Aliphatic EPH	3.202	22.241	55686791.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112625AL\
 Data File : FE057045.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 14:33
 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: sample.E
 Quant Time: Nov 27 00:34:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 18 13:37:28 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	3658427	17.512 ug/ml
Spiked Amount 50.000		Recovery =	35.02%
12) S 1-chlorooctadecane (S...	13.378	2779684	17.253 ug/ml
Spiked Amount 50.000		Recovery =	34.51%
Target Compounds			
1) T n-Nonane (C9)	3.301	3310631	19.710 ug/ml
2) T n-Decane (C10)	4.553	3383408	19.718 ug/ml
3) T A~Naphthalene (C11.7)	6.270	3407202	18.459 ug/ml
4) T n-Dodecane (C12)	6.725	3419556	19.661 ug/ml
5) T A~2-methylnaphthalene...	7.369	3160669	17.834 ug/ml
6) T n-Tetradecane (C14)	8.559	3376305	19.343 ug/ml
7) T n-Hexadecane (C16)	10.171	3423925	18.714 ug/ml
8) T n-Octadecane (C18)	11.618	3450014	18.228 ug/ml
10) T n-Eicosane (C20)	12.930	3269375	17.543 ug/ml
11) T n-Heneicosane (C21)	13.544	3199078	17.397 ug/ml
13) T n-Docosane (C22)	14.132	3156865	16.864 ug/ml
14) T n-Tetracosane (C24)	15.237	3114019	15.899 ug/ml
15) T n-Hexacosane (C26)	16.262	3045649	15.672 ug/ml
16) T n-Octacosane (C28)	17.213	3016868	15.578 ug/ml
17) T n-Tricontane (C30)	18.102	3079880	15.361 ug/ml
18) T n-Dotriacontane (C32)	18.937	3036239	15.440 ug/ml
19) T n-Tetratriacontane (C34)	19.722	2861680	16.579 ug/ml
20) T n-Hexatriacontane (C36)	20.464	2582149	17.850 ug/ml
21) T n-Octatriacontane (C38)	21.211	2482507	19.724 ug/ml
22) T n-Tetracontane (C40)	22.142	2478643	21.439 ug/ml

(f)=RT Delta > 1/2 Window

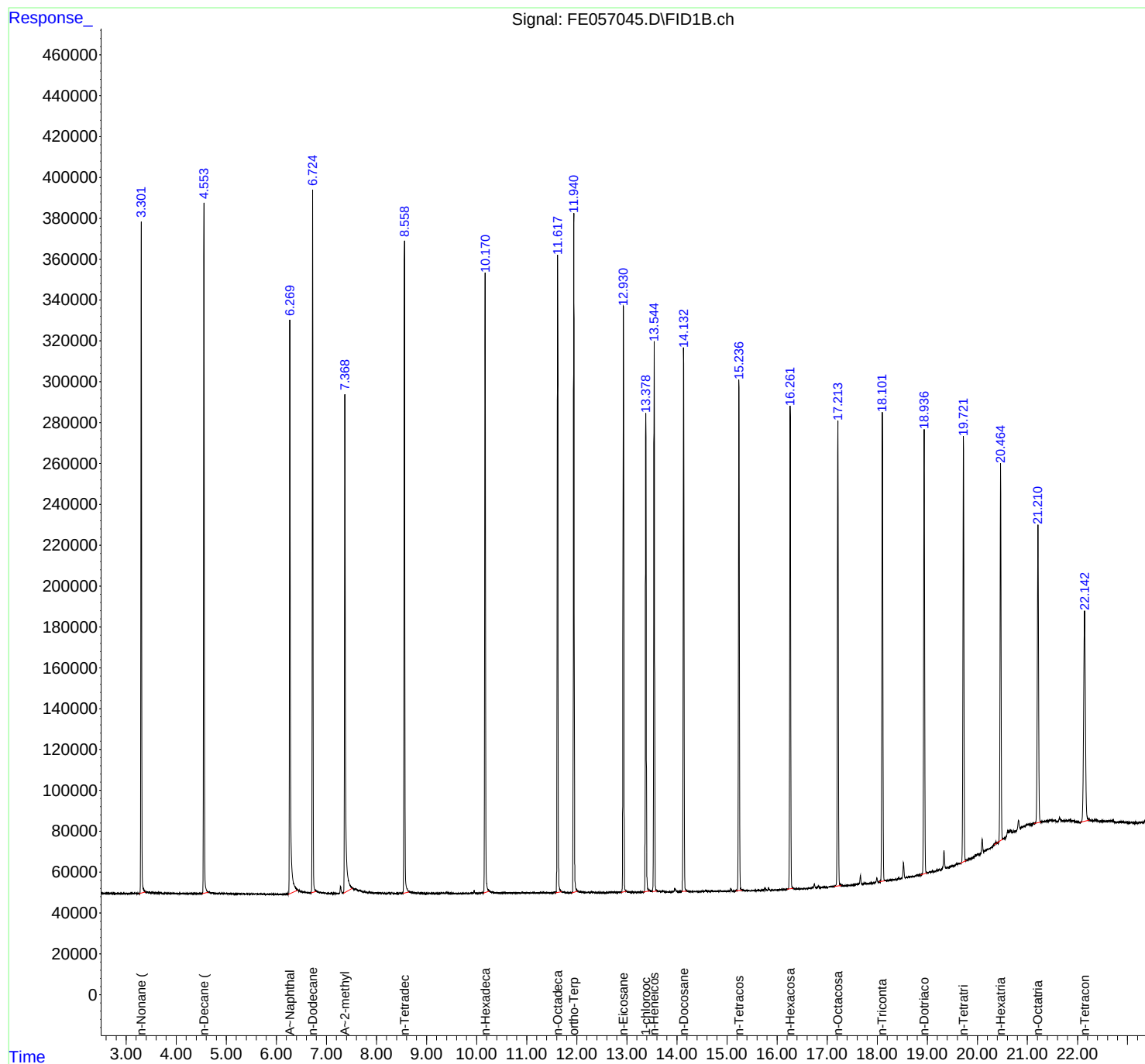
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112625AL\
Data File : FE057045.D
Signal(s) : FID1B.ch
Acq On : 26 Nov 2025 14:33
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: sample.E
Quant Time: Nov 27 00:34:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 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\FE112625AL\
 Data File : FE057045.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 14:33
 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 103025.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	3.260	3.387	BB	327460	3310631	90.49%	4.819%
2	4.553	4.520	4.645	BB	337834	3383408	92.48%	4.925%
3	6.270	6.237	6.427	BB	278870	3407202	93.13%	4.960%
4	6.725	6.687	6.797	BB	342972	3419556	93.47%	4.978%
5	7.369	7.335	7.520	BB	244165	3160669	86.39%	4.601%
6	8.559	8.525	8.654	BB	318993	3376305	92.29%	4.915%
7	10.171	10.130	10.254	BB	303485	3423925	93.59%	4.984%
8	11.618	11.570	11.702	BB	311756	3450014	94.30%	5.022%
9	11.940	11.902	12.019	BB	332109	3658427	100.00%	5.326%
10	12.930	12.894	12.989	BB	286928	3269375	89.37%	4.759%
11	13.378	13.324	13.452	BB	234523	2779684	75.98%	4.047%
12	13.544	13.507	13.607	BB	268961	3199078	87.44%	4.657%
13	14.132	14.095	14.200	BB	266154	3156865	86.29%	4.596%
14	15.237	15.172	15.300	BB	249398	3114019	85.12%	4.533%
15	16.262	16.200	16.315	BB	236323	3045649	83.25%	4.434%
16	17.213	17.139	17.277	BB	228012	3016868	82.46%	4.392%
17	18.102	18.037	18.155	BB	228072	3079880	84.19%	4.484%
18	18.937	18.864	18.997	BB	217333	3036239	82.99%	4.420%
19	19.722	19.657	19.779	BB	207650	2861680	78.22%	4.166%
20	20.464	20.332	20.505	BB	184574	2582149	70.58%	3.759%
21	21.211	21.132	21.274	BB	145636	2482507	67.86%	3.614%
22	22.142	22.050	22.239	BB	103115	2478643	67.75%	3.608%
Sum of corrected areas:							68692772	

Aliphatic EPH 103025.M Fri Nov 28 20:36:43 2025

Continuing Calibration Report for SequenceID : FE112625AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE057064.D

Aliphatic C9-C12	10431462.000	60.000	3.202	6.826	173857.700	171162.641	-1.575
Aliphatic C12-C16	7203002.000	40.000	6.827	10.271	180075.050	178754.319	-0.739
Aliphatic C16-C21	10468149.000	60.000	10.272	13.644	174469.150	186505.496	6.454
Aliphatic C21-C28	13609143.000	80.000	13.645	17.314	170114.288	192766.144	11.751
Aliphatic C28-C40	20180217.000	120.000	17.315	22.241	168168.475	159314.647	-5.557
Aliphatic EPH	61891973.000	360.000	3.202	22.241	171922.147	175414.751	1.991

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	27 Nov 2025 01:42
Client Sample ID:		Operator:	YP\AJ
Data file:	FE057064.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.202	6.826	10431462.000	60.000	ug/ml
Aliphatic C12-C16	6.827	10.271	7203002.000	40.000	ug/ml
Aliphatic C16-C21	10.272	13.644	10468149.000	60.000	ug/ml
Aliphatic C21-C28	13.645	17.314	13609143.000	80.000	ug/ml
Aliphatic C28-C40	17.315	22.241	20180217.000	120.000	ug/ml
Aliphatic EPH	3.202	22.241	61891973.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FE112625AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE057076.D

Aliphatic C9-C12	10400876.000	60.000	3.202	6.826	173347.933	171162.641	-1.277
Aliphatic C12-C16	6930678.000	40.000	6.827	10.271	173266.950	178754.319	3.070
Aliphatic C16-C21	9982274.000	60.000	10.272	13.644	166371.233	186505.496	10.796
Aliphatic C21-C28	12538995.000	80.000	13.645	17.314	156737.438	192766.144	18.690
Aliphatic C28-C40	17229449.000	120.000	17.315	22.241	143578.742	159314.647	9.877
Aliphatic EPH	57082272.000	360.000	3.202	22.241	158561.867	175414.751	9.607

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	27 Nov 2025 09:15
Client Sample ID:		Operator:	YP\AJ
Data file:	FE057076.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.202	6.826	10400876.000	60.000	ug/ml
Aliphatic C12-C16	6.827	10.271	6930678.000	40.000	ug/ml
Aliphatic C16-C21	10.272	13.644	9982274.000	60.000	ug/ml
Aliphatic C21-C28	13.645	17.314	12538995.000	80.000	ug/ml
Aliphatic C28-C40	17.315	22.241	17229449.000	120.000	ug/ml
Aliphatic EPH	3.202	22.241	57082272.000	360.000	ug/ml



QC SAMPLE DATA

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	
Project:	186 Arlington Blvd, North Arlington		Date Received:	
Client Sample ID:	PB170727BL		SDG No.:	Q3661
Lab Sample ID:	PB170727BL		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date : 11/25/25		

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

Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FE057024.D	11/25/25 13:29	PB170727
Total EPH	Total EPH	0.91	U		0.91	4.00	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	
Project:	186 Arlington Blvd, North Arlington		Date Received:	
Client Sample ID:	PB170727BL		SDG No.:	Q3661
Lab Sample ID:	PB170727BL		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL	Test:
Prep Method :		Prep Date	11/25/25	EPH_F2

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	0.91	4.00	mg/kg	11/25/25	PB170727
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	11/25/25	PB170727
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.5			40 - 140	47%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	29.4			40 - 140	59%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170727BL	Acq On:	25 Nov 2025 13:29
Client Sample ID:	PB170727BL	Operator:	YP\AJ
Data file:	FE057024.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	3.205	6.828	0	0	300	ug/ml
Aliphatic C12-C16	6.829	10.273	0	0	200	ug/ml
Aliphatic C16-C21	10.274	13.645	0	0	300	ug/ml
Aliphatic C21-C28	13.646	17.314	0	0	400	ug/ml
Aliphatic C28-C40	17.315	22.241	0	0	600	ug/ml
Aliphatic EPH	3.205	22.241	0	0		ug/ml
ortho-Terphenyl (SURR)	11.943	11.943	6131521	29.35		ug/ml
1-chlorooctadecane (SURR)	13.381	13.381	3781771	23.47		ug/ml
Aliphatic C9-C28	3.205	17.314	0	0	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
 Data File : FE057024.D
 Signal(s) : FID1B.ch
 Acq On : 25 Nov 2025 13:29
 Operator : YP\AJ
 Sample : PB170727BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB170727BL

Integration File: sample.E
 Quant Time: Nov 26 01:02:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 18 13:37:28 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	6131521	29.350 ug/ml
Spiked Amount 50.000		Recovery =	58.70%
12) S 1-chlorooctadecane (S...	13.381	3781771	23.472 ug/ml
Spiked Amount 50.000		Recovery =	46.94%

Target Compounds

(f)=RT Delta > 1/2 Window

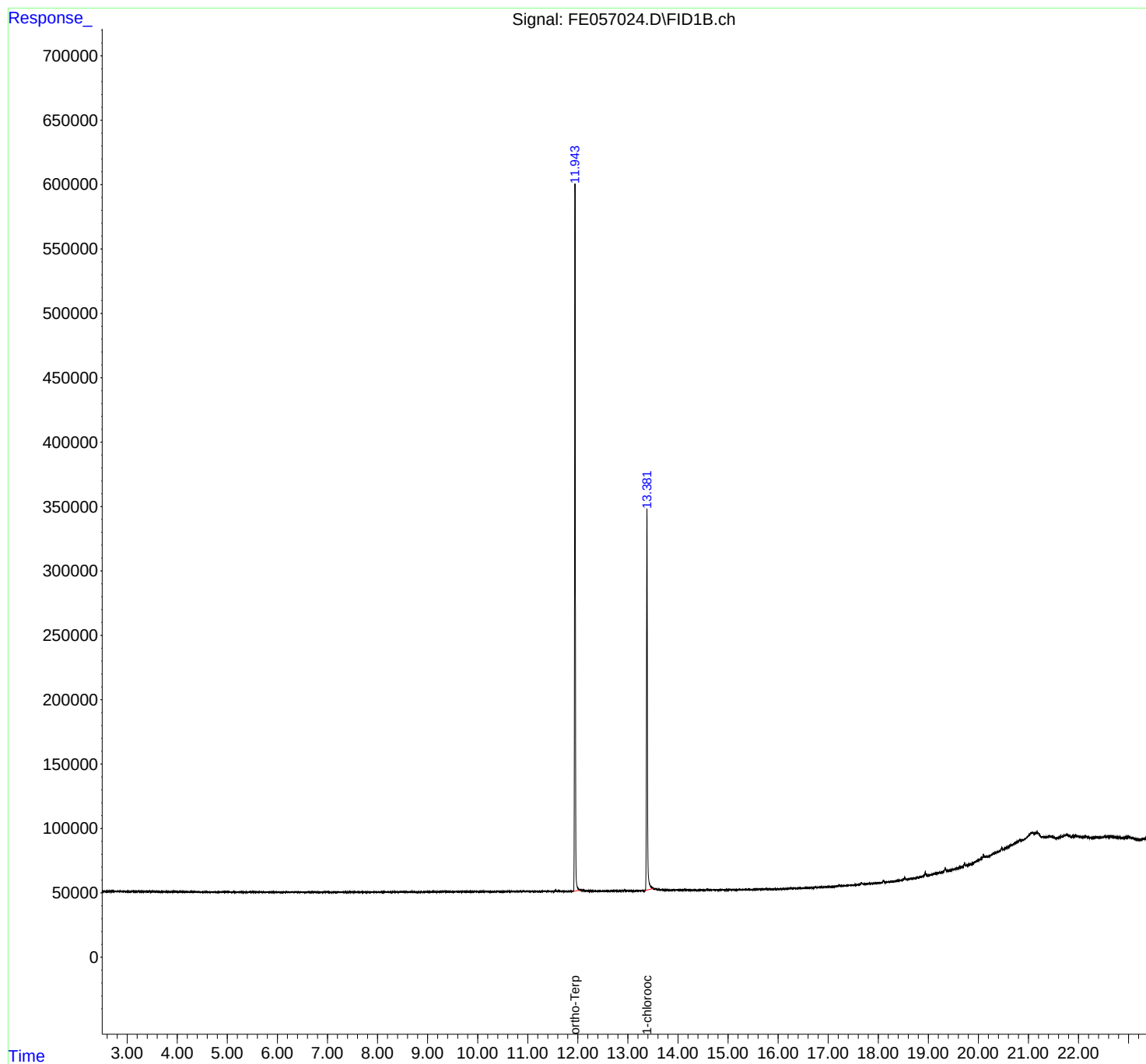
(m)=manual int.

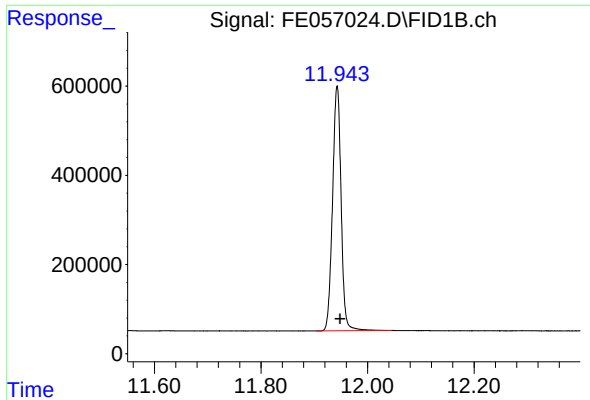
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
Data File : FE057024.D
Signal(s) : FID1B.ch
Acq On : 25 Nov 2025 13:29
Operator : YP\AJ
Sample : PB170727BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170727BL

Integration File: sample.E
Quant Time: Nov 26 01:02:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

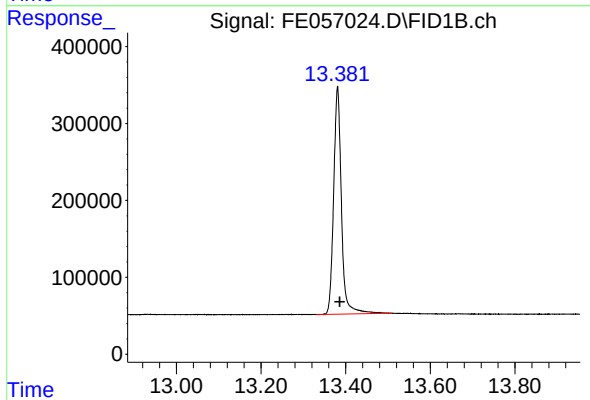




#9 ortho-Terphenyl (SURR)

R.T.: 11.943 min
Delta R.T.: -0.006 min
Response: 6131521
Conc: 29.35 ug/ml

Instrument :
FID_E
ClientSampleId :
PB170727BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.381 min
Delta R.T.: -0.005 min
Response: 3781771
Conc: 23.47 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
Data File : FE057024.D
Signal(s) : FID1B.ch
Acq On : 25 Nov 2025 13:29
Sample : PB170727BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.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	11.943	11.904	12.045	BB	549843	6131521	100.00%	61.852%
2	13.381	13.330	13.509	BB	295284	3781771	61.68%	38.148%
Sum of corrected areas:							9913293	

Aliphatic EPH 103025.M Wed Nov 26 01:04:56 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	
Project:	186 Arlington Blvd, North Arlington		Date Received:	
Client Sample ID:	PB170727BS		SDG No.:	Q3661
Lab Sample ID:	PB170727BS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date : 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C28	Aliphatic C9-C28	68.3		1	0.91	3.99	mg/kg	FE057025.D	11/26/25 0:47	PB170727
Total EPH	Total EPH	68.3			0.91	3.99	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	
Project:	186 Arlington Blvd, North Arlington		Date Received:	
Client Sample ID:	PB170727BS		SDG No.:	Q3661
Lab Sample ID:	PB170727BS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	68.3	1		0.91	3.99	mg/kg	11/26/25	PB170727
Aliphatic C28-C40	Aliphatic C28-C40	24.8	1		1.18	2.00	mg/kg	11/26/25	PB170727
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	31.3			40 - 140	63%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	35.3			40 - 140	71%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170727BS	Acq On:	26 Nov 2025 00:47
Client Sample ID:	PB170727BS	Operator:	YP\AJ
Data file:	FE057025.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	3.205	6.828	33228171	194.132	300	ug/ml
Aliphatic C12-C16	6.829	10.273	42171423	235.918	200	ug/ml
Aliphatic C16-C21	10.274	13.645	49424546	265.003	300	ug/ml
Aliphatic C21-C28	13.646	17.314	64065990	332.351	400	ug/ml
Aliphatic C28-C40	17.315	22.241	59244582	371.872	600	ug/ml
Aliphatic EPH	3.205	22.241	248134712	1400		ug/ml
ortho-Terphenyl (SURR)	11.948	11.948	7383744	35.34		ug/ml
1-chlorooctadecane (SURR)	13.385	13.385	5048054	31.33		ug/ml
Aliphatic C9-C28	3.205	17.314	188890130	1030	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
 Data File : FE057025.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 00:47
 Operator : YP\AJ
 Sample : PB170727BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB170727BS

Integration File: sample.E
 Quant Time: Nov 26 04:15:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 18 13:37:28 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	7383744	35.344 ug/ml
Spiked Amount 50.000		Recovery =	70.69%
12) S 1-chlorooctadecane (S...	13.385	5048054	31.332 ug/ml
Spiked Amount 50.000		Recovery =	62.66%
Target Compounds			
1) T n-Nonane (C9)	3.322	5715187	34.026 ug/ml
2) T n-Decane (C10)	4.567	6164612	35.926 ug/ml
3) T A~Naphthalene (C11.7)	6.276	7354328	39.843 ug/ml
4) T n-Dodecane (C12)	6.731	6517131	37.470 ug/ml
5) T A~2-methylnaphthalene...	7.374	6431968	36.293 ug/ml
6) T n-Tetradecane (C14)	8.565	6618307	37.916 ug/ml
7) T n-Hexadecane (C16)	10.177	6590398	36.022 ug/ml
8) T n-Octadecane (C18)	11.625	6607675	34.911 ug/ml
10) T n-Eicosane (C20)	12.938	6875700	36.894 ug/ml
11) T n-Heneicosane (C21)	13.552	6732337	36.612 ug/ml
13) T n-Docosane (C22)	14.139	6661795	35.586 ug/ml
14) T n-Tetracosane (C24)	15.247	14548771	74.280 ug/ml
15) T n-Hexacosane (C26)	16.270	6591460	33.918 ug/ml
16) T n-Octacosane (C28)	17.220	6915505	35.709 ug/ml
17) T n-Tricontane (C30)	18.112	6407433	31.958 ug/ml
18) T n-Dotriacontane (C32)	18.944	6494085	33.024 ug/ml
19) T n-Tetratriacontane (C34)	19.730	6035288	34.965 ug/ml
20) T n-Hexatriacontane (C36)	20.471	5409366	37.395 ug/ml
21) T n-Octatriacontane (C38)	21.220	4848135	38.520 ug/ml
22) T n-Tetracontane (C40)	22.150	4629696	40.044 ug/ml

(f)=RT Delta > 1/2 Window

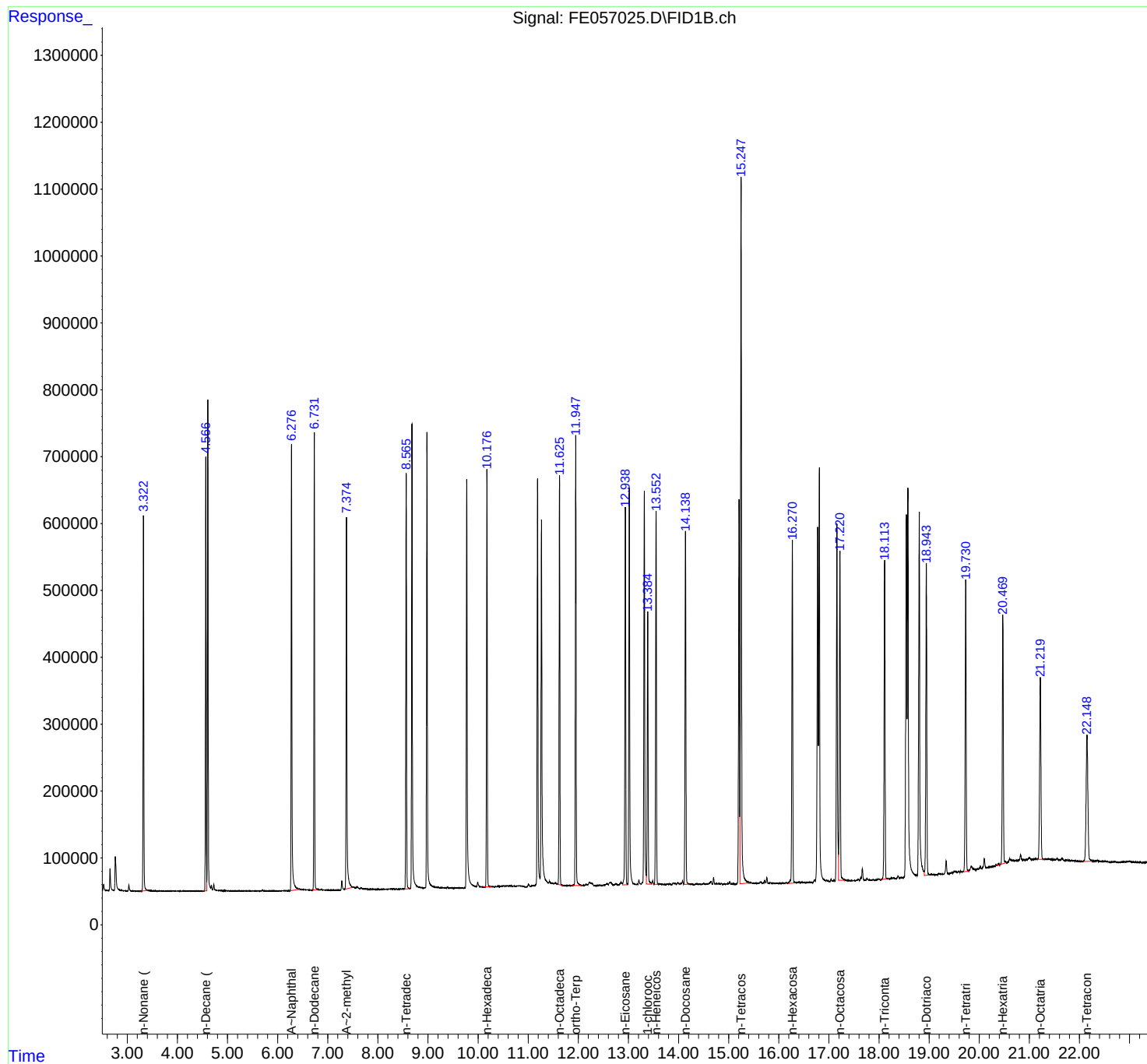
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
Data File : FE057025.D
Signal(s) : FID1B.ch
Acq On : 26 Nov 2025 00:47
Operator : YP\AJ
Sample : PB170727BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170727BS

Integration File: sample.E
Quant Time: Nov 26 04:15:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 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\FE112525AL\
Data File : FE057025.D
Signal(s) : FID1B.ch
Acq On : 26 Nov 2025 00:47
Sample : PB170727BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.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	3.322	3.260	3.415	BB	560858	5715187	39.28%	2.193%
2	4.567	4.500	4.586	BV	650519	6164612	42.37%	2.366%
3	4.607	4.586	4.665	VV	735178	7476913	51.39%	2.869%
4	6.276	6.244	6.444	BB	666883	7354328	50.55%	2.822%
5	6.731	6.695	6.809	BB	683006	6517131	44.80%	2.501%
6	7.374	7.339	7.504	BV	555257	6431968	44.21%	2.468%
7	8.565	8.527	8.645	BB	621599	6618307	45.49%	2.540%
8	8.680	8.652	8.827	BB	692204	7515831	51.66%	2.884%
9	8.979	8.920	9.127	BB	680153	7514734	51.65%	2.884%
10	9.773	9.710	9.947	BB	610959	7500185	51.55%	2.878%
11	10.177	10.112	10.254	BB	625203	6590398	45.30%	2.529%
12	11.187	11.115	11.237	BV	606503	7182898	49.37%	2.757%
13	11.264	11.237	11.402	VV	543979	7330755	50.39%	2.813%
14	11.625	11.582	11.689	BB	614890	6607675	45.42%	2.536%
15	11.948	11.865	12.064	BB	665799	7383744	50.75%	2.834%
16	12.938	12.882	12.985	VV	565794	6875700	47.26%	2.639%
17	13.017	12.985	13.145	VB	594885	7361936	50.60%	2.825%
18	13.317	13.230	13.357	BV	588109	7333245	50.40%	2.814%
19	13.385	13.357	13.465	VV	404201	5048054	34.70%	1.937%
20	13.552	13.515	13.595	PV	558881	6732337	46.27%	2.584%
21	14.139	14.102	14.215	PB	528066	6661795	45.79%	2.557%
22	15.207	15.134	15.223	BV	573216	7002109	48.13%	2.687%
23	15.247	15.223	15.420	VB	1056103	14548771	100.00%	5.584%
24	16.270	16.174	16.339	PB	511110	6591460	45.31%	2.530%
25	16.777	16.727	16.791	VV	526778	7329828	50.38%	2.813%
26	16.809	16.791	16.935	VB	611865	7949349	54.64%	3.051%
27	17.160	17.100	17.191	BV	534347	7067173	48.58%	2.712%
28	17.220	17.191	17.320	VB	491893	6915505	47.53%	2.654%
29	18.112	18.027	18.162	BB	473018	6407433	44.04%	2.459%
30	18.546	18.412	18.560	PV	541691	7963800	54.74%	3.056%
31	18.577	18.560	18.762	VV	580181	9022052	62.01%	3.462%
32	18.803	18.762	18.904	VV	544869	8434727	57.98%	3.237%
33	18.944	18.904	19.009	VB	464123	6494085	44.64%	2.492%
34	19.730	19.660	19.797	BV	436460	6035288	41.48%	2.316%
35	20.471	20.320	20.545	BB	364297	5409366	37.18%	2.076%
36	21.220	21.145	21.302	BB	270646	4848135	33.32%	1.861%

37 22.150 22.050 22.264 BB 186721 4629696 31.82% 1.777%
Sum of corrected areas: 260566510

Aliphatic EPH 103025.M Wed Nov 26 06:36:33 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	
Project:	186 Arlington Blvd, North Arlington		Date Received:	
Client Sample ID:	PB170727BSD		SDG No.:	Q3661
Lab Sample ID:	PB170727BSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date : 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C28	Aliphatic C9-C28	60.8		1	0.91	3.99	mg/kg	FE057026.D	11/26/25 1:17	PB170727
Total EPH	Total EPH	60.8			0.91	3.99	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	
Project:	186 Arlington Blvd, North Arlington		Date Received:	
Client Sample ID:	PB170727BSD		SDG No.:	Q3661
Lab Sample ID:	PB170727BSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	60.8	1		0.91	3.99	mg/kg	11/26/25	PB170727
Aliphatic C28-C40	Aliphatic C28-C40	21.5	1		1.18	2.00	mg/kg	11/26/25	PB170727
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	27.4			40 - 140	55%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.8			40 - 140	62%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170727BSD	Acq On:	26 Nov 2025 01:17
Client Sample ID:	PB170727BSD	Operator:	YP\AJ
Data file:	FE057026.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	3.205	6.828	29915736	174.78	300	ug/ml
Aliphatic C12-C16	6.829	10.273	38076236	213.009	200	ug/ml
Aliphatic C16-C21	10.274	13.645	43591930	233.73	300	ug/ml
Aliphatic C21-C28	13.646	17.314	56067163	290.856	400	ug/ml
Aliphatic C28-C40	17.315	22.241	51305828	322.041	600	ug/ml
Aliphatic EPH	3.205	22.241	218956893	1230		ug/ml
ortho-Terphenyl (SURR)	11.944	11.944	6442401	30.84		ug/ml
1-chlorooctadecane (SURR)	13.381	13.381	4408195	27.36		ug/ml
Aliphatic C9-C28	3.205	17.314	167651065	912.375	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
 Data File : FE057026.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 01:17
 Operator : YP\AJ
 Sample : PB170727BSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB170727BSD

Integration File: sample.E
 Quant Time: Nov 26 04:16:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 18 13:37:28 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)	11.944	6442401	30.838 ug/ml
Spiked Amount 50.000		Recovery =	61.68%
12) S 1-chlorooctadecane (S...	13.381	4408195	27.360 ug/ml
Spiked Amount 50.000		Recovery =	54.72%
Target Compounds			
1) T n-Nonane (C9)	3.320	5219122	31.073 ug/ml
2) T n-Decane (C10)	4.564	5518371	32.159 ug/ml
3) T A~Naphthalene (C11.7)	6.274	6634637	35.944 ug/ml
4) T n-Dodecane (C12)	6.729	5882995	33.824 ug/ml
5) T A~2-methylnaphthalene...	7.372	5883975	33.201 ug/ml
6) T n-Tetradecane (C14)	8.563	6010894	34.436 ug/ml
7) T n-Hexadecane (C16)	10.173	5925917	32.390 ug/ml
8) T n-Octadecane (C18)	11.621	5941704	31.393 ug/ml
10) T n-Eicosane (C20)	12.934	5949553	31.924 ug/ml
11) T n-Heneicosane (C21)	13.547	5856074	31.847 ug/ml
13) T n-Docosane (C22)	14.134	5780417	30.878 ug/ml
14) T n-Tetracosane (C24)	15.243	12911121	65.919 ug/ml
15) T n-Hexacosane (C26)	16.266	5707782	29.370 ug/ml
16) T n-Octacosane (C28)	17.217	5937775	30.661 ug/ml
17) T n-Tricontane (C30)	18.108	5694957	28.404 ug/ml
18) T n-Dotriacontane (C32)	18.941	5879291	29.897 ug/ml
19) T n-Tetratriacontane (C34)	19.726	5440784	31.521 ug/ml
20) T n-Hexatriacontane (C36)	20.467	4624274	31.967 ug/ml
21) T n-Octatriacontane (C38)	21.213	3869910	30.747 ug/ml
22) T n-Tetracontane (C40)	22.146	3294596	28.497 ug/ml

(f)=RT Delta > 1/2 Window

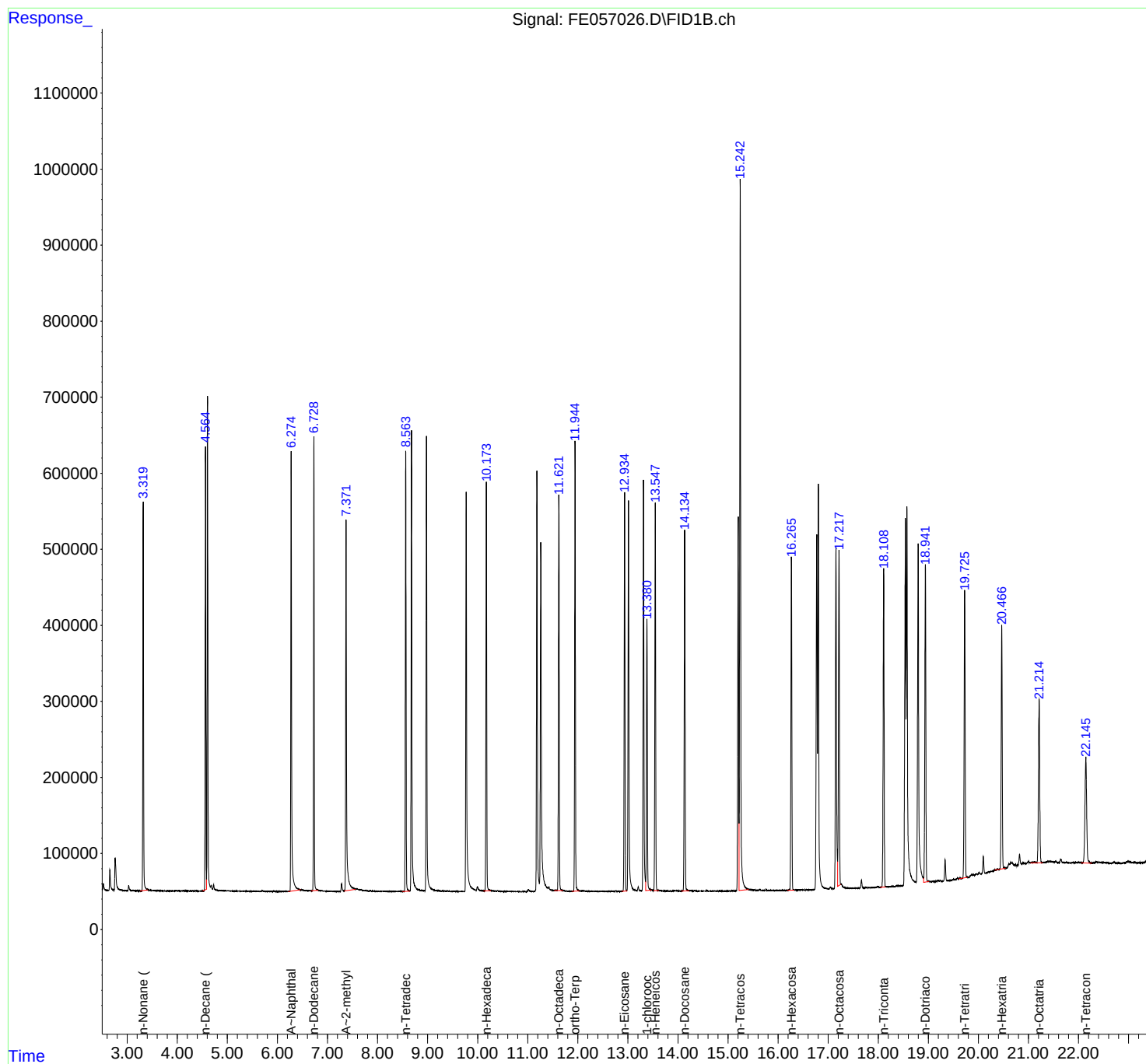
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
Data File : FE057026.D
Signal(s) : FID1B.ch
Acq On : 26 Nov 2025 01:17
Operator : YP\AJ
Sample : PB170727BSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170727BSD

Integration File: sample.E
Quant Time: Nov 26 04:16:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 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\FE112525AL\
 Data File : FE057026.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 01:17
 Sample : PB170727BSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.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	3.320	3.257	3.415	BB	511789	5219122	40.42%	2.271%
2	4.564	4.507	4.584	BV	582388	5518371	42.74%	2.401%
3	4.604	4.584	4.664	VV	648078	6660611	51.59%	2.898%
4	6.274	6.217	6.459	BB	577231	6634637	51.39%	2.887%
5	6.729	6.669	6.817	BB	597223	5882995	45.57%	2.560%
6	7.372	7.332	7.555	BB	486862	5883975	45.57%	2.560%
7	8.563	8.497	8.647	BV	576503	6010894	46.56%	2.616%
8	8.678	8.647	8.830	PB	606872	6773330	52.46%	2.947%
9	8.977	8.940	9.132	BB	597446	6780736	52.52%	2.951%
10	9.770	9.719	9.960	BB	523715	6701384	51.90%	2.916%
11	10.173	10.115	10.265	BB	537103	5925917	45.90%	2.579%
12	11.184	11.110	11.233	BV	552727	6330893	49.03%	2.755%
13	11.260	11.233	11.407	VV	456477	6522782	50.52%	2.838%
14	11.621	11.527	11.705	BB	521416	5941704	46.02%	2.586%
15	11.944	11.884	12.035	BB	592521	6442401	49.90%	2.803%
16	12.934	12.874	12.980	BV	524326	5949553	46.08%	2.589%
17	13.012	12.980	13.149	VB	513167	6545489	50.70%	2.848%
18	13.312	13.272	13.354	BV	539165	6445435	49.92%	2.805%
19	13.381	13.354	13.475	VB	357603	4408195	34.14%	1.918%
20	13.547	13.510	13.619	BB	509732	5856074	45.36%	2.548%
21	14.134	14.065	14.224	BB	472343	5780417	44.77%	2.515%
22	15.202	15.135	15.219	BV	487840	5962341	46.18%	2.594%
23	15.243	15.219	15.417	VB	935376	12911121	100.00%	5.618%
24	16.266	16.180	16.324	BB	437987	5707782	44.21%	2.484%
25	16.772	16.719	16.786	BV	466046	6359350	49.25%	2.767%
26	16.804	16.786	16.944	VB	534088	7167079	55.51%	3.119%
27	17.156	17.117	17.188	BV	445088	6241298	48.34%	2.716%
28	17.217	17.188	17.250	VV	441194	5937775	45.99%	2.584%
29	18.108	18.035	18.152	BB	420631	5694957	44.11%	2.478%
30	18.541	18.470	18.555	BV	484477	6788488	52.58%	2.954%
31	18.572	18.555	18.757	VV	498078	8243256	63.85%	3.587%
32	18.797	18.757	18.905	VV	446087	7470272	57.86%	3.251%
33	18.941	18.905	19.015	VB	417854	5879291	45.54%	2.558%
34	19.726	19.605	19.784	PB	376783	5440784	42.14%	2.368%
35	20.467	20.332	20.539	BB	319843	4624274	35.82%	2.012%
36	21.213	21.040	21.285	BB	214933	3869910	29.97%	1.684%

37 22.146 22.050 22.267 BB rteres 139559 3294596 25.52% 1.434%
Sum of corrected areas: 229807486

Aliphatic EPH 103025.M Wed Nov 26 06:37:16 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	
Project:	186 Arlington Blvd, North Arlington		Date Received:	
Client Sample ID:	5MS		SDG No.:	Q3661
Lab Sample ID:	Q3661-07MS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	77.7
Sample Wt/Vol:	30.03 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date : 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C28	Aliphatic C9-C28	98.5		1	1.17	5.15	mg/kg	FE057032.D	11/26/25 4:19	PB170727
Total EPH	Total EPH	98.5			1.17	5.15	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	
Project:	186 Arlington Blvd, North Arlington		Date Received:	
Client Sample ID:	5MS		SDG No.:	Q3661
Lab Sample ID:	Q3661-07MS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	77.7
Sample Wt/Vol:	30.03 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	98.5	1		1.17	5.15	mg/kg	11/26/25	PB170727
Aliphatic C28-C40	Aliphatic C28-C40	41.2	1		1.52	2.57	mg/kg	11/26/25	PB170727
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	24.7			40 - 140	49%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.5			40 - 140	57%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3661-07MS	Acq On:	26 Nov 2025 04:19
Client Sample ID:	Q3661-07MS	Operator:	YP\AJ
Data file:	FE057032.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	3.205	6.828	36967195	215.977	300	ug/ml
Aliphatic C12-C16	6.829	10.273	46969858	262.762	200	ug/ml
Aliphatic C16-C21	10.274	13.645	54491056	292.169	300	ug/ml
Aliphatic C21-C28	13.646	17.314	73080546	379.115	400	ug/ml
Aliphatic C28-C40	17.315	22.241	76541743	480.444	600	ug/ml
Aliphatic EPH	3.205	22.241	288050398	1630		ug/ml
ortho-Terphenyl (SURR)	11.943	11.943	5959224	28.52		ug/ml
1-chlorooctadecane (SURR)	13.379	13.379	3985649	24.74		ug/ml
Aliphatic C9-C28	3.205	17.314	211508655	1150	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
 Data File : FE057032.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 04:19
 Operator : YP\AJ
 Sample : Q3661-07MS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 SMS

Integration File: sample.E
 Quant Time: Nov 26 06:22:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 18 13:37:28 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	5959224	28.525 ug/ml
Spiked Amount 50.000		Recovery =	57.05%
12) S 1-chlorooctadecane (S...	13.379	3985649	24.738 ug/ml
Spiked Amount 50.000		Recovery =	49.48%
Target Compounds			
1) T n-Nonane (C9)	3.323	6219468	37.029 ug/ml
2) T n-Decane (C10)	4.566	6529995	38.055 ug/ml
3) T A~Naphthalene (C11.7)	6.274	7802613	42.271 ug/ml
4) T n-Dodecane (C12)	6.730	6832122	39.281 ug/ml
5) T A~2-methylnaphthalene...	7.372	6881772	38.831 ug/ml
6) T n-Tetradecane (C14)	8.563	6910818	39.592 ug/ml
7) T n-Hexadecane (C16)	10.173	6839610	37.384 ug/ml
8) T n-Octadecane (C18)	11.620	6733635	35.577 ug/ml
10) T n-Eicosane (C20)	12.934	6762184	36.285 ug/ml
11) T n-Heneicosane (C21)	13.547	6664514	36.244 ug/ml
13) T n-Docosane (C22)	14.134	6677300	35.669 ug/ml
14) T n-Tetracosane (C24)	15.242	14800741	75.566 ug/ml
15) T n-Hexacosane (C26)	16.265	6563247	33.772 ug/ml
16) T n-Octacosane (C28)	17.216	6750562	34.857 ug/ml
17) T n-Tricontane (C30)	18.108	6409498	31.968 ug/ml
18) T n-Dotriacontane (C32)	18.940	6463025	32.866 ug/ml
19) T n-Tetratriacontane (C34)	19.725	6207029	35.960 ug/ml
20) T n-Hexatriacontane (C36)	20.467	6156753	42.561 ug/ml
21) T n-Octatriacontane (C38)	21.214	6338412	50.360 ug/ml
22) T n-Tetracontane (C40)	22.147	6524379	56.433 ug/ml

(f)=RT Delta > 1/2 Window

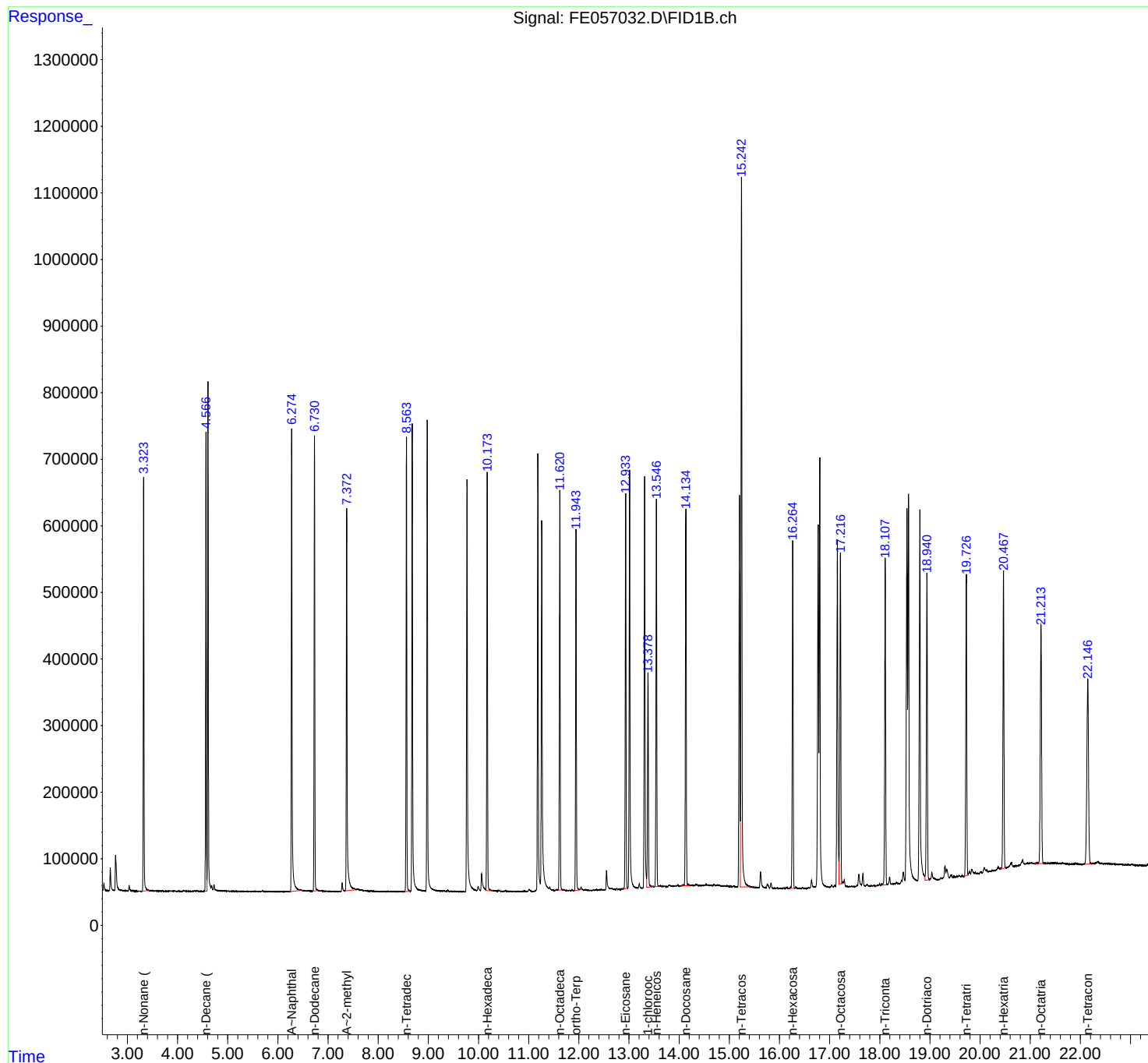
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
Data File : FE057032.D
Signal(s) : FID1B.ch
Acq On : 26 Nov 2025 04:19
Operator : YP\AJ
Sample : Q3661-07MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5MS

Integration File: sample.E
Quant Time: Nov 26 06:22:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 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\FE112525AL\
 Data File : FE057032.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 04:19
 Sample : Q3661-07MS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.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	2.659	2.591	2.741	BV	34279	425445	2.44%	0.142%
2	2.765	2.741	2.957	VV	52480	990445	5.68%	0.330%
3	2.968	2.957	3.010	VV	364	5476	0.03%	0.002%
4	3.035	3.010	3.089	VV	8395	116097	0.67%	0.039%
5	3.099	3.089	3.178	VV	516	14675	0.08%	0.005%
6	3.192	3.178	3.238	VV	322	5137	0.03%	0.002%
7	3.265	3.238	3.290	PV	94	1506	0.01%	0.001%
8	3.323	3.290	3.452	VV	619474	6304734	36.17%	2.102%
9	3.465	3.452	3.512	VV	1321	35033	0.20%	0.012%
10	3.530	3.512	3.554	VV	810	18166	0.10%	0.006%
11	3.562	3.554	3.588	VV	705	11624	0.07%	0.004%
12	3.601	3.588	3.618	VV	682	9714	0.06%	0.003%
13	3.652	3.618	3.680	VV	686	21154	0.12%	0.007%
14	3.691	3.680	3.732	VV	767	15739	0.09%	0.005%
15	3.771	3.732	3.786	VV	430	11323	0.06%	0.004%
16	3.826	3.786	3.854	VV	462	15422	0.09%	0.005%
17	3.860	3.854	3.868	VV	420	3166	0.02%	0.001%
18	3.918	3.868	3.998	VV	504	30294	0.17%	0.010%
19	4.009	3.998	4.067	VV	511	15118	0.09%	0.005%
20	4.119	4.067	4.161	VV	1869	37264	0.21%	0.012%
21	4.181	4.161	4.195	VV	375	7444	0.04%	0.002%
22	4.217	4.195	4.258	VV	668	16312	0.09%	0.005%
23	4.307	4.258	4.324	VV	687	19078	0.11%	0.006%
24	4.335	4.324	4.364	VV	593	13089	0.08%	0.004%
25	4.369	4.364	4.434	VV	581	19353	0.11%	0.006%
26	4.455	4.434	4.489	VV	499	14163	0.08%	0.005%
27	4.502	4.489	4.531	VV	486	9829	0.06%	0.003%
28	4.566	4.531	4.586	VV	696194	6546554	37.56%	2.182%
29	4.606	4.586	4.663	VV	759310	7945305	45.58%	2.649%
30	4.678	4.663	4.706	VV	9103	152628	0.88%	0.051%
31	4.726	4.706	4.864	VV	10376	265032	1.52%	0.088%
32	4.872	4.864	4.989	VV	1119	63351	0.36%	0.021%
33	4.998	4.989	5.005	VV	637	6030	0.03%	0.002%
34	5.011	5.005	5.038	VV	657	11907	0.07%	0.004%
35	5.044	5.038	5.094	VV	689	18858	0.11%	0.006%
36	5.111	5.094	5.164	VV	561	21945	0.13%	0.007%

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37	5.170	5.164	5.215	VV	501	13538	0.08%	0.005%
38	5.229	5.215	5.239	VV	490	6507	0.04%	0.002%
39	5.245	5.239	5.278	VV	453	8597	0.05%	0.003%
40	5.283	5.278	5.308	VV	364	5929	0.03%	0.002%
41	5.315	5.308	5.355	VV	356	9049	0.05%	0.003%
42	5.373	5.355	5.392	VV	350	6696	0.04%	0.002%
43	5.403	5.392	5.440	VV	343	8038	0.05%	0.003%
44	5.466	5.440	5.477	VV	294	6074	0.03%	0.002%
45	5.484	5.477	5.498	VV	303	3115	0.02%	0.001%
46	5.542	5.498	5.674	VV	543	32496	0.19%	0.011%
47	5.699	5.674	5.771	VV	1925	30372	0.17%	0.010%
48	5.781	5.771	5.789	VV	147	1515	0.01%	0.001%
49	5.804	5.789	5.827	VV	226	4102	0.02%	0.001%
50	5.838	5.827	5.862	VV	227	3619	0.02%	0.001%
51	5.870	5.862	5.946	VV	178	7459	0.04%	0.002%
52	5.999	5.946	6.044	VV	223	9541	0.05%	0.003%
53	6.050	6.044	6.101	VV	213	5031	0.03%	0.002%
54	6.107	6.101	6.161	VV	182	4902	0.03%	0.002%
55	6.183	6.161	6.214	VV	132	2641	0.02%	0.001%
56	6.224	6.214	6.241	VV	151	1230	0.01%	0.000%
57	6.274	6.241	6.424	PV	694311	7896777	45.31%	2.633%
58	6.436	6.424	6.578	VV	3341	181184	1.04%	0.060%
59	6.596	6.578	6.609	VV	1508	26765	0.15%	0.009%
60	6.620	6.609	6.687	VV	1522	51762	0.30%	0.017%
61	6.730	6.687	6.868	VV	686656	6979121	40.04%	2.327%
62	6.880	6.868	7.005	VV	1304	65784	0.38%	0.022%
63	7.015	7.005	7.041	VV	616	11819	0.07%	0.004%
64	7.057	7.041	7.131	VV	542	21911	0.13%	0.007%
65	7.136	7.131	7.165	VV	337	5944	0.03%	0.002%
66	7.178	7.165	7.254	VV	334	13558	0.08%	0.005%
67	7.281	7.254	7.335	VV	13310	196146	1.13%	0.065%
68	7.372	7.335	7.508	VV	574001	7043618	40.41%	2.348%
69	7.515	7.508	7.558	VV	4966	122267	0.70%	0.041%
70	7.579	7.558	7.638	VV	4348	165127	0.95%	0.055%
71	7.652	7.638	7.664	VV	2730	40171	0.23%	0.013%
72	7.676	7.664	7.728	VV	3037	73718	0.42%	0.025%
73	7.739	7.728	7.755	VV	1517	23973	0.14%	0.008%
74	7.764	7.755	7.841	VV	1418	50730	0.29%	0.017%
75	7.857	7.841	7.881	VV	1371	24213	0.14%	0.008%
76	7.898	7.881	7.926	VV	780	18294	0.10%	0.006%
77	7.951	7.926	8.071	VV	870	40755	0.23%	0.014%
78	8.112	8.071	8.121	VV	506	12004	0.07%	0.004%
79	8.137	8.121	8.165	VV	502	10557	0.06%	0.004%
80	8.175	8.165	8.194	VV	356	5476	0.03%	0.002%
81	8.206	8.194	8.227	VV	315	5148	0.03%	0.002%
82	8.251	8.227	8.283	VV	681	11462	0.07%	0.004%
83	8.309	8.283	8.351	VV	599	11147	0.06%	0.004%
84	8.375	8.351	8.394	VV	182	3374	0.02%	0.001%
85	8.433	8.394	8.454	VV	194	4565	0.03%	0.002%
86	8.468	8.454	8.514	VV	470	8314	0.05%	0.003%
87	8.563	8.514	8.648	VV	678314	6946014	39.85%	2.316%
88	8.678	8.648	8.912	VV	702912	8047765	46.17%	2.683%
89	8.922	8.912	8.944	VV	1216	21917	0.13%	0.007%

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90	8.977	8.944	9.273	VV	709126	8095192	46.44%	2.699%
91	9.304	9.273	9.362	VV	1247	51165	0.29%	0.017%
92	9.389	9.362	9.520	VV	2099	56160	0.32%	0.019%
93	9.532	9.520	9.562	VV	233	5144	0.03%	0.002%
94	9.568	9.562	9.612	VV	283	5199	0.03%	0.002%
95	9.634	9.612	9.675	VV	305	6596	0.04%	0.002%
96	9.684	9.675	9.720	VV	136	1872	0.01%	0.001%
97	9.771	9.720	9.967	PV	620707	7940214	45.56%	2.647%
98	9.992	9.967	10.036	VV	7743	163312	0.94%	0.054%
99	10.062	10.036	10.140	VV	26896	602179	3.45%	0.201%
100	10.173	10.140	10.377	VV	632828	7037054	40.37%	2.346%
101	10.398	10.377	10.456	VV	1914	39339	0.23%	0.013%
102	10.478	10.456	10.498	VV	495	10097	0.06%	0.003%
103	10.534	10.498	10.594	VV	1004	31837	0.18%	0.011%
104	10.636	10.594	10.694	VV	388	16274	0.09%	0.005%
105	10.707	10.694	10.745	VV	184	3537	0.02%	0.001%
106	10.801	10.745	10.814	PV	106	2838	0.02%	0.001%
107	10.837	10.814	10.861	VV	353	5746	0.03%	0.002%
108	10.878	10.861	10.893	VV	411	5268	0.03%	0.002%
109	10.913	10.893	10.955	VV	920	12478	0.07%	0.004%
110	11.007	10.955	11.092	VV	3113	72268	0.41%	0.024%
111	11.183	11.092	11.231	PV	657823	7450698	42.75%	2.484%
112	11.260	11.231	11.402	VV	560688	7870989	45.16%	2.624%
113	11.419	11.402	11.524	VV	6685	197844	1.14%	0.066%
114	11.553	11.524	11.581	VV	2610	65686	0.38%	0.022%
115	11.620	11.581	11.801	VV	610146	6920220	39.70%	2.307%
116	11.815	11.801	11.838	VV	1318	19226	0.11%	0.006%
117	11.863	11.838	11.896	VV	2050	32048	0.18%	0.011%
118	11.943	11.896	12.021	VV	534811	6041017	34.66%	2.014%
119	12.045	12.021	12.098	VV	6029	136307	0.78%	0.045%
120	12.141	12.098	12.208	VV	1707	79108	0.45%	0.026%
121	12.225	12.208	12.261	VV	767	18960	0.11%	0.006%
122	12.289	12.261	12.308	VV	1214	23947	0.14%	0.008%
123	12.351	12.308	12.378	VV	1555	47542	0.27%	0.016%
124	12.391	12.378	12.411	VV	1321	22435	0.13%	0.007%
125	12.436	12.411	12.470	VV	1632	50286	0.29%	0.017%
126	12.495	12.470	12.524	VV	1503	44903	0.26%	0.015%
127	12.553	12.524	12.635	VV	29752	555383	3.19%	0.185%
128	12.650	12.635	12.729	VV	3075	131763	0.76%	0.044%
129	12.754	12.729	12.804	VV	3090	90728	0.52%	0.030%
130	12.934	12.804	12.973	VV	599725	7004019	40.18%	2.335%
131	13.012	12.973	13.181	VV	619624	8136229	46.68%	2.712%
132	13.205	13.181	13.278	VV	9839	282740	1.62%	0.094%
133	13.312	13.278	13.351	VV	618838	7662428	43.96%	2.554%
134	13.379	13.351	13.463	VV	325697	4315260	24.76%	1.439%
135	13.480	13.463	13.504	VV	5818	133605	0.77%	0.045%
136	13.546	13.504	13.611	VV	586222	7027165	40.32%	2.343%
137	13.630	13.611	13.694	VV	6199	287115	1.65%	0.096%
138	13.712	13.694	13.761	VV	5851	212932	1.22%	0.071%
139	13.800	13.761	13.900	VV	7131	499468	2.87%	0.167%
140	13.972	13.900	14.017	VV	7113	427964	2.46%	0.143%
141	14.134	14.017	14.238	VV	570241	7482288	42.93%	2.494%

					rteres			
142	14.261	14.238	14.294	VV	6760	220412	1.26%	0.073%
143	14.342	14.294	14.391	VV	7681	392803	2.25%	0.131%
144	14.428	14.391	14.440	VV	6255	177672	1.02%	0.059%
145	14.535	14.440	14.624	VV	7538	721538	4.14%	0.241%
146	14.644	14.624	14.674	VV	6618	185081	1.06%	0.062%
147	14.696	14.674	14.727	VV	8282	209881	1.20%	0.070%
148	14.761	14.727	14.884	VV	6947	539350	3.09%	0.180%
149	14.904	14.884	14.933	VV	5354	147644	0.85%	0.049%
150	14.955	14.933	14.994	VV	5096	175505	1.01%	0.059%
151	15.019	14.994	15.060	VV	4452	165901	0.95%	0.055%
152	15.093	15.060	15.151	VV	4657	214690	1.23%	0.072%
153	15.201	15.151	15.219	VV	588331	7211176	41.37%	2.404%
154	15.242	15.219	15.554	VV	1062977	15428250	88.52%	5.143%
155	15.623	15.554	15.734	VV	25346	634293	3.64%	0.211%
156	15.758	15.734	15.801	VV	7594	173332	0.99%	0.058%
157	15.831	15.801	15.871	VV	8879	149386	0.86%	0.050%
158	15.893	15.871	15.921	VV	948	27472	0.16%	0.009%
159	15.954	15.921	16.021	VV	1201	44513	0.26%	0.015%
160	16.080	16.021	16.111	VV	1120	36981	0.21%	0.012%
161	16.145	16.111	16.191	VV	1490	40636	0.23%	0.014%
162	16.265	16.191	16.308	VV	519327	6595827	37.84%	2.199%
163	16.328	16.308	16.374	VV	2357	38346	0.22%	0.013%
164	16.395	16.374	16.431	VV	276	5681	0.03%	0.002%
165	16.461	16.431	16.528	VV	1514	24130	0.14%	0.008%
166	16.640	16.528	16.684	PV	11760	243617	1.40%	0.081%
167	16.771	16.684	16.786	VV	543845	7599632	43.60%	2.534%
168	16.803	16.786	17.004	VV	657929	8317005	47.72%	2.773%
169	17.042	17.004	17.078	VV	3823	76711	0.44%	0.026%
170	17.098	17.078	17.114	VV	3666	47375	0.27%	0.016%
171	17.155	17.114	17.188	VV	518625	7374983	42.31%	2.459%
172	17.215	17.188	17.274	VV	499800	7026511	40.31%	2.342%
173	17.292	17.274	17.384	VV	10970	211560	1.21%	0.071%
174	17.408	17.384	17.434	VV	628	15588	0.09%	0.005%
175	17.457	17.434	17.498	VV	554	14952	0.09%	0.005%
176	17.500	17.498	17.518	VV	309	2170	0.01%	0.001%
177	17.583	17.518	17.634	VV	18145	396481	2.27%	0.132%
178	17.663	17.634	17.709	VV	19486	291059	1.67%	0.097%
179	17.746	17.709	17.809	VV	2656	63198	0.36%	0.021%
180	17.839	17.809	17.856	VV	650	11216	0.06%	0.004%
181	17.880	17.856	17.918	VV	788	14887	0.09%	0.005%
182	17.995	17.918	18.014	PV	2197	42092	0.24%	0.014%
183	18.107	18.014	18.154	VV	491870	6443358	36.97%	2.148%
184	18.196	18.154	18.257	VV	11817	196860	1.13%	0.066%
185	18.281	18.257	18.298	VV	1153	18327	0.11%	0.006%
186	18.334	18.298	18.392	VV	2398	52367	0.30%	0.017%
187	18.468	18.392	18.501	PV	16405	406606	2.33%	0.136%
188	18.571	18.501	18.754	VV	579563	17429789	100.00%	5.811%
189	18.798	18.754	18.901	VV	548325	8642950	49.59%	2.881%
190	18.940	18.901	18.997	VV	460067	6545739	37.55%	2.182%
191	19.039	18.997	19.164	VV	11790	318950	1.83%	0.106%
192	19.219	19.164	19.241	PV	2718	46842	0.27%	0.016%
193	19.300	19.241	19.319	VV	19273	371384	2.13%	0.124%
194	19.335	19.319	19.384	VV	14548	335714	1.93%	0.112%

					rteres			
195	19.423	19.384	19.458	VV	4587	140090	0.80%	0.047%
196	19.481	19.458	19.508	VV	2435	60269	0.35%	0.020%
197	19.538	19.508	19.553	VV	2341	48809	0.28%	0.016%
198	19.583	19.553	19.612	VV	2911	75958	0.44%	0.025%
199	19.639	19.612	19.673	VV	2728	63511	0.36%	0.021%
200	19.725	19.673	19.764	VV	448533	6312564	36.22%	2.104%
201	19.791	19.764	19.811	VV	7265	157793	0.91%	0.053%
202	19.837	19.811	19.884	VV	10733	295512	1.70%	0.099%
203	19.904	19.884	19.970	VV	4796	190381	1.09%	0.063%
204	20.015	19.970	20.041	VV	4551	165139	0.95%	0.055%
205	20.086	20.041	20.168	VV	9956	504459	2.89%	0.168%
206	20.199	20.168	20.224	VV	4790	153921	0.88%	0.051%
207	20.246	20.224	20.271	VV	5505	142684	0.82%	0.048%
208	20.363	20.271	20.391	VV	9517	481043	2.76%	0.160%
209	20.467	20.391	20.514	VV	455397	6669370	38.26%	2.223%
210	20.625	20.514	20.664	VV	14649	877186	5.03%	0.292%
211	20.848	20.664	20.901	VV	16000	1446282	8.30%	0.482%
212	21.017	20.901	21.088	VV	10778	1146929	6.58%	0.382%
213	21.124	21.088	21.154	VV	9776	376207	2.16%	0.125%
214	21.214	21.154	21.313	VV	367683	7101086	40.74%	2.367%
215	21.341	21.313	21.391	VV	7799	352166	2.02%	0.117%
216	21.468	21.391	21.611	VV	7046	843061	4.84%	0.281%
217	21.643	21.611	21.708	VV	5773	283090	1.62%	0.094%
218	21.720	21.708	21.808	VV	4025	198904	1.14%	0.066%
219	21.901	21.808	22.048	VV	2731	258873	1.49%	0.086%
220	22.146	22.048	22.237	VV	278844	6535927	37.50%	2.179%

Sum of corrected areas: 299963951

Aliphatic EPH 103025.M Wed Nov 26 06:51:02 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	
Project:	186 Arlington Blvd, North Arlington		Date Received:	
Client Sample ID:	5MSD		SDG No.:	Q3661
Lab Sample ID:	Q3661-07MSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	77.7
Sample Wt/Vol:	30.06 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date : 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C28	Aliphatic C9-C28	98.1		1	1.17	5.13	mg/kg	FE057033.D	11/26/25 4:49	PB170727
Total EPH	Total EPH	98.1			1.17	5.13	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	
Project:	186 Arlington Blvd, North Arlington		Date Received:	
Client Sample ID:	5MSD		SDG No.:	Q3661
Lab Sample ID:	Q3661-07MSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	77.7
Sample Wt/Vol:	30.06 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date 11/25/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	98.1	1		1.17	5.13	mg/kg	11/26/25	PB170727
Aliphatic C28-C40	Aliphatic C28-C40	41.5	1		1.52	2.57	mg/kg	11/26/25	PB170727
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	24.8			40 - 140	50%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.5			40 - 140	57%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3661-07MSD	Acq On:	26 Nov 2025 04:49
Client Sample ID:	Q3661-07MSD	Operator:	YP\AJ
Data file:	FE057033.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	3.205	6.828	36776817	214.865	300	ug/ml
Aliphatic C12-C16	6.829	10.273	46738134	261.466	200	ug/ml
Aliphatic C16-C21	10.274	13.645	54271863	290.993	300	ug/ml
Aliphatic C21-C28	13.646	17.314	73027942	378.842	400	ug/ml
Aliphatic C28-C40	17.315	22.241	77226175	484.74	600	ug/ml
Aliphatic EPH	3.205	22.241	288040931	1630		ug/ml
ortho-Terphenyl (SURR)	11.943	11.943	5952036	28.49		ug/ml
1-chlorooctadecane (SURR)	13.379	13.379	3995431	24.8		ug/ml
Aliphatic C9-C28	3.205	17.314	210814756	1150	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
 Data File : FE057033.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 04:49
 Operator : YP\AJ
 Sample : Q3661-07MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5MSD

Integration File: sample.E
 Quant Time: Nov 26 06:24:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 18 13:37:28 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	5952036	28.491 ug/ml
Spiked Amount 50.000		Recovery =	56.98%
12) S 1-chlorooctadecane (S...	13.379	3995431	24.798 ug/ml
Spiked Amount 50.000		Recovery =	49.60%
Target Compounds			
1) T n-Nonane (C9)	3.323	6187814	36.840 ug/ml
2) T n-Decane (C10)	4.566	6513258	37.957 ug/ml
3) T A~Naphthalene (C11.7)	6.274	7787014	42.187 ug/ml
4) T n-Dodecane (C12)	6.729	6808205	39.143 ug/ml
5) T A~2-methylnaphthalene...	7.371	6840768	38.600 ug/ml
6) T n-Tetradecane (C14)	8.563	6884922	39.443 ug/ml
7) T n-Hexadecane (C16)	10.173	6817207	37.261 ug/ml
8) T n-Octadecane (C18)	11.620	6716909	35.488 ug/ml
10) T n-Eicosane (C20)	12.933	6783249	36.398 ug/ml
11) T n-Heneicosane (C21)	13.547	6656615	36.201 ug/ml
13) T n-Docosane (C22)	14.134	6668750	35.623 ug/ml
14) T n-Tetracosane (C24)	15.242	14755196	75.334 ug/ml
15) T n-Hexacosane (C26)	16.265	6552086	33.715 ug/ml
16) T n-Octacosane (C28)	17.215	6737300	34.789 ug/ml
17) T n-Tricontane (C30)	18.108	6389386	31.868 ug/ml
18) T n-Dotriacontane (C32)	18.939	6514934	33.130 ug/ml
19) T n-Tetratriacontane (C34)	19.724	6212075	35.989 ug/ml
20) T n-Hexatriacontane (C36)	20.467	6126341	42.351 ug/ml
21) T n-Octatriacontane (C38)	21.213	6263146	49.762 ug/ml
22) T n-Tetracontane (C40)	22.145	6442006	55.720 ug/ml

(f)=RT Delta > 1/2 Window

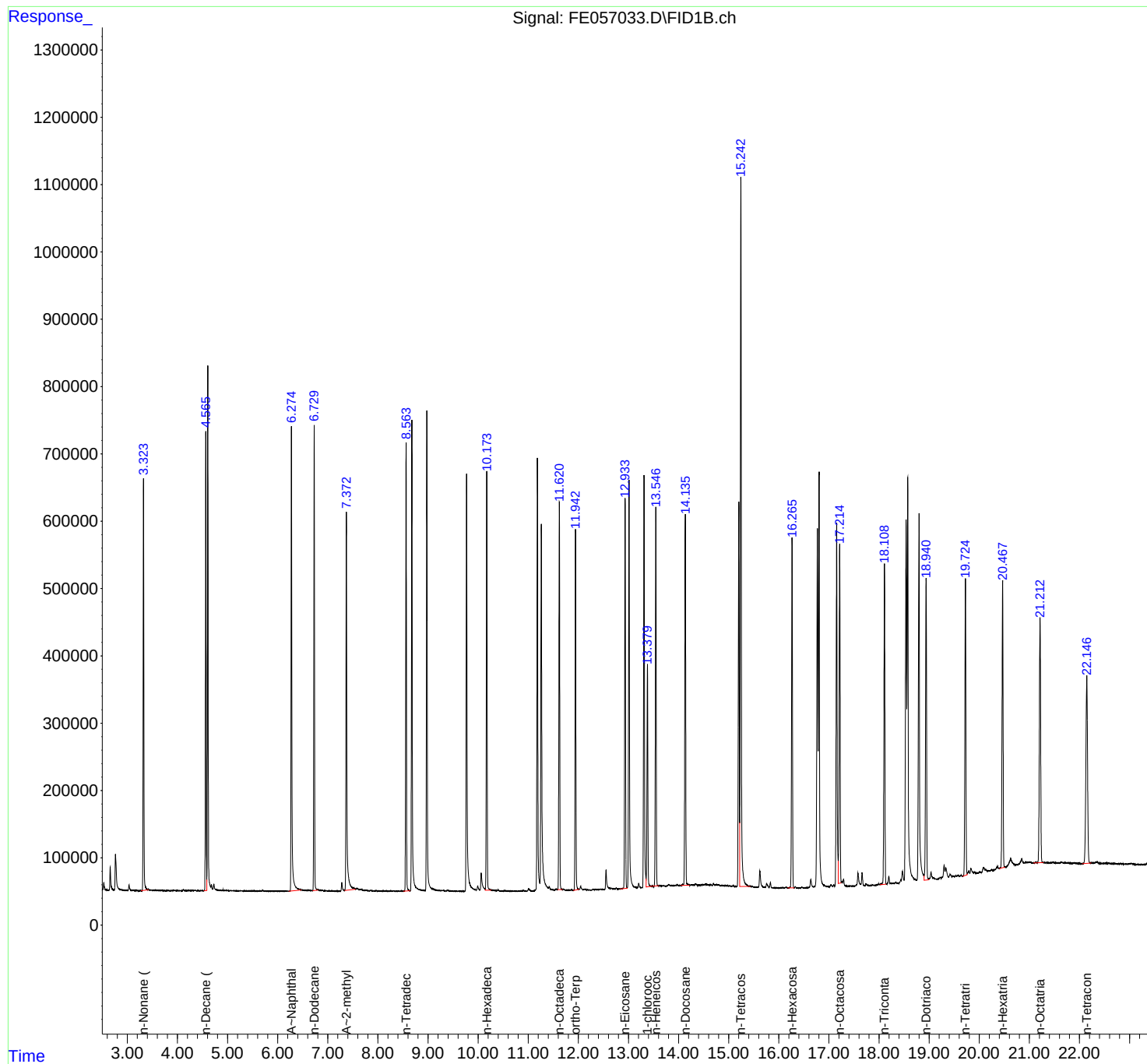
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112525AL\
Data File : FE057033.D
Signal(s) : FID1B.ch
Acq On : 26 Nov 2025 04:49
Operator : YP\AJ
Sample : Q3661-07MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5MSD

Integration File: sample.E
Quant Time: Nov 26 06:24:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Quant Title : GC Extractables
QLast Update : Tue Nov 18 13:37:28 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\FE112525AL\
 Data File : FE057033.D
 Signal(s) : FID1B.ch
 Acq On : 26 Nov 2025 04:49
 Sample : Q3661-07MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.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	2.658	2.574	2.738	BV	34025	410898	2.67%	0.137%
2	2.764	2.738	2.949	VV	52308	973535	6.33%	0.325%
3	2.966	2.949	3.010	VV	249	4146	0.03%	0.001%
4	3.034	3.010	3.156	PV	8254	123889	0.81%	0.041%
5	3.196	3.156	3.247	PV	317	4470	0.03%	0.001%
6	3.323	3.247	3.514	PV	610791	6314579	41.08%	2.105%
7	3.530	3.514	3.552	VV	806	15848	0.10%	0.005%
8	3.561	3.552	3.587	VV	752	13030	0.08%	0.004%
9	3.603	3.587	3.621	VV	657	11128	0.07%	0.004%
10	3.632	3.621	3.642	VV	661	6993	0.05%	0.002%
11	3.653	3.642	3.678	VV	643	11894	0.08%	0.004%
12	3.690	3.678	3.742	VV	679	16193	0.11%	0.005%
13	3.751	3.742	3.805	VV	335	10668	0.07%	0.004%
14	3.832	3.805	3.866	VV	363	12129	0.08%	0.004%
15	3.887	3.866	3.893	VV	380	6169	0.04%	0.002%
16	3.920	3.893	3.962	VV	515	17090	0.11%	0.006%
17	3.969	3.962	3.991	VV	368	5785	0.04%	0.002%
18	4.016	3.991	4.074	VV	498	17762	0.12%	0.006%
19	4.085	4.074	4.092	VV	364	3530	0.02%	0.001%
20	4.118	4.092	4.164	VV	1863	32694	0.21%	0.011%
21	4.216	4.164	4.251	VV	655	21144	0.14%	0.007%
22	4.261	4.251	4.271	VV	413	4411	0.03%	0.001%
23	4.308	4.271	4.344	VV	624	21032	0.14%	0.007%
24	4.355	4.344	4.431	VV	568	24007	0.16%	0.008%
25	4.460	4.431	4.491	VV	483	14723	0.10%	0.005%
26	4.505	4.491	4.528	VV	477	9009	0.06%	0.003%
27	4.566	4.528	4.585	VV	678639	6530377	42.49%	2.177%
28	4.606	4.585	4.664	VV	771540	7927247	51.57%	2.643%
29	4.678	4.664	4.706	VV	9175	150781	0.98%	0.050%
30	4.726	4.706	4.861	VV	10383	258328	1.68%	0.086%
31	4.867	4.861	4.967	VV	1048	54073	0.35%	0.018%
32	4.977	4.967	5.097	VV	705	44748	0.29%	0.015%
33	5.114	5.097	5.131	VV	574	9962	0.06%	0.003%
34	5.144	5.131	5.209	VV	516	20505	0.13%	0.007%
35	5.226	5.209	5.343	VV	472	28438	0.19%	0.009%
36	5.366	5.343	5.431	VV	353	15273	0.10%	0.005%

					rteres			
37	5.450	5.431	5.464	VV	343	5380	0.04%	0.002%
38	5.470	5.464	5.484	VV	259	2678	0.02%	0.001%
39	5.492	5.484	5.517	VV	239	4447	0.03%	0.001%
40	5.541	5.517	5.631	VV	519	21605	0.14%	0.007%
41	5.638	5.631	5.671	VV	216	4418	0.03%	0.001%
42	5.699	5.671	5.788	VV	1901	30005	0.20%	0.010%
43	5.808	5.788	5.872	PV	194	6464	0.04%	0.002%
44	5.888	5.872	5.899	VV	141	1752	0.01%	0.001%
45	5.907	5.899	5.948	VV	158	2617	0.02%	0.001%
46	5.980	5.948	6.051	VV	177	6360	0.04%	0.002%
47	6.084	6.051	6.124	VV	160	4122	0.03%	0.001%
48	6.133	6.124	6.214	VV	133	2512	0.02%	0.001%
49	6.274	6.214	6.424	PV	691782	7860792	51.14%	2.621%
50	6.435	6.424	6.576	VV	3242	174388	1.13%	0.058%
51	6.593	6.576	6.606	VV	1491	24639	0.16%	0.008%
52	6.621	6.606	6.696	VV	1431	55262	0.36%	0.018%
53	6.729	6.696	6.863	VV	694874	6939826	45.15%	2.314%
54	6.878	6.863	7.005	VV	1237	62345	0.41%	0.021%
55	7.020	7.005	7.042	VV	540	10562	0.07%	0.004%
56	7.058	7.042	7.084	VV	481	10277	0.07%	0.003%
57	7.091	7.084	7.127	VV	425	7519	0.05%	0.003%
58	7.146	7.127	7.174	VV	299	5849	0.04%	0.002%
59	7.186	7.174	7.251	VV	258	7785	0.05%	0.003%
60	7.280	7.251	7.333	VV	12909	190370	1.24%	0.063%
61	7.371	7.333	7.503	VV	558661	6989094	45.47%	2.330%
62	7.515	7.503	7.555	VV	5004	127841	0.83%	0.043%
63	7.580	7.555	7.634	VV	4207	161417	1.05%	0.054%
64	7.653	7.634	7.664	VV	2784	44540	0.29%	0.015%
65	7.676	7.664	7.728	VV	2939	71023	0.46%	0.024%
66	7.740	7.728	7.752	VV	1468	20233	0.13%	0.007%
67	7.766	7.752	7.822	VV	1364	43324	0.28%	0.014%
68	7.830	7.822	7.838	VV	718	6620	0.04%	0.002%
69	7.857	7.838	7.879	VV	1323	23172	0.15%	0.008%
70	7.893	7.879	7.930	VV	659	17974	0.12%	0.006%
71	7.952	7.930	8.007	VV	807	23522	0.15%	0.008%
72	8.018	8.007	8.074	VV	407	12111	0.08%	0.004%
73	8.113	8.074	8.126	VV	439	10591	0.07%	0.004%
74	8.137	8.126	8.163	VV	483	7726	0.05%	0.003%
75	8.173	8.163	8.204	VV	317	5581	0.04%	0.002%
76	8.211	8.204	8.228	VV	255	2722	0.02%	0.001%
77	8.251	8.228	8.280	VV	669	9233	0.06%	0.003%
78	8.308	8.280	8.344	VV	561	8560	0.06%	0.003%
79	8.365	8.344	8.398	VV	131	3130	0.02%	0.001%
80	8.431	8.398	8.448	VV	139	2326	0.02%	0.001%
81	8.468	8.448	8.506	VV	419	6572	0.04%	0.002%
82	8.515	8.506	8.521	VV	129	886	0.01%	0.000%
83	8.563	8.521	8.648	VV	672126	6918362	45.01%	2.307%
84	8.678	8.648	8.943	VV	698558	8040109	52.31%	2.681%
85	8.977	8.943	9.271	VV	714462	8070913	52.51%	2.691%
86	9.303	9.271	9.371	VV	1236	52767	0.34%	0.018%
87	9.389	9.371	9.502	VV	2046	49134	0.32%	0.016%
88	9.510	9.502	9.529	VV	232	2898	0.02%	0.001%
89	9.537	9.529	9.544	VV	202	1569	0.01%	0.001%

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90	9.552	9.544	9.562	VV	195	1687	0.01%	0.001%
91	9.573	9.562	9.616	VV	184	4379	0.03%	0.001%
92	9.637	9.616	9.661	VV	349	4634	0.03%	0.002%
93	9.682	9.661	9.711	VV	125	1795	0.01%	0.001%
94	9.770	9.711	9.966	PV	624412	7920077	51.53%	2.641%
95	9.992	9.966	10.036	VV	7561	162490	1.06%	0.054%
96	10.062	10.036	10.139	VV	27164	600021	3.90%	0.200%
97	10.173	10.139	10.377	VV	624504	7014394	45.63%	2.339%
98	10.398	10.377	10.458	VV	1917	38458	0.25%	0.013%
99	10.479	10.458	10.492	VV	474	7985	0.05%	0.003%
100	10.534	10.492	10.594	VV	1044	32789	0.21%	0.011%
101	10.602	10.594	10.638	VV	348	8176	0.05%	0.003%
102	10.651	10.638	10.701	VV	404	7638	0.05%	0.003%
103	10.709	10.701	10.748	VV	224	3138	0.02%	0.001%
104	10.836	10.748	10.856	PV	359	7754	0.05%	0.003%
105	10.879	10.856	10.893	VV	395	5781	0.04%	0.002%
106	10.912	10.893	10.965	VV	882	13947	0.09%	0.005%
107	11.007	10.965	11.079	VV	3143	71718	0.47%	0.024%
108	11.088	11.079	11.101	VV	73	609	0.00%	0.000%
109	11.183	11.101	11.231	PV	645128	7447449	48.45%	2.483%
110	11.260	11.231	11.402	VV	544406	7837338	50.99%	2.613%
111	11.420	11.402	11.526	VV	6710	198626	1.29%	0.066%
112	11.552	11.526	11.584	VV	2645	68367	0.44%	0.023%
113	11.620	11.584	11.767	VV	580917	6890349	44.83%	2.297%
114	11.785	11.767	11.797	VV	786	13147	0.09%	0.004%
115	11.815	11.797	11.838	VV	1304	20993	0.14%	0.007%
116	11.863	11.838	11.894	VV	1973	31301	0.20%	0.010%
117	11.943	11.894	12.021	VV	539747	6036185	39.27%	2.013%
118	12.045	12.021	12.094	VV	6188	134686	0.88%	0.045%
119	12.115	12.094	12.131	VV	1754	32520	0.21%	0.011%
120	12.142	12.131	12.168	VV	1642	28808	0.19%	0.010%
121	12.181	12.168	12.208	VV	963	20424	0.13%	0.007%
122	12.222	12.208	12.261	VV	759	18631	0.12%	0.006%
123	12.290	12.261	12.317	VV	1190	31173	0.20%	0.010%
124	12.349	12.317	12.374	VV	1660	43475	0.28%	0.014%
125	12.388	12.374	12.405	VV	1366	21184	0.14%	0.007%
126	12.437	12.405	12.474	VV	1722	58961	0.38%	0.020%
127	12.500	12.474	12.524	VV	1530	40909	0.27%	0.014%
128	12.552	12.524	12.638	VV	29989	561563	3.65%	0.187%
129	12.649	12.638	12.696	VV	3086	88665	0.58%	0.030%
130	12.705	12.696	12.728	VV	1988	36383	0.24%	0.012%
131	12.755	12.728	12.814	VV	3133	102337	0.67%	0.034%
132	12.933	12.814	12.974	VV	580069	6988710	45.47%	2.330%
133	13.012	12.974	13.171	VV	606588	8090910	52.64%	2.698%
134	13.204	13.171	13.278	VV	9817	301127	1.96%	0.100%
135	13.311	13.278	13.351	VV	616551	7644845	49.74%	2.549%
136	13.379	13.351	13.468	VV	337368	4323179	28.13%	1.441%
137	13.479	13.468	13.506	VV	5680	122399	0.80%	0.041%
138	13.547	13.506	13.610	VV	569401	7010825	45.61%	2.338%
139	13.628	13.610	13.664	VV	6196	187765	1.22%	0.063%
140	13.676	13.664	13.695	VV	5722	101914	0.66%	0.034%
141	13.709	13.695	13.751	VV	5819	179805	1.17%	0.060%

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142	13.798	13.751	13.842	VV	7190	331481	2.16%	0.111%
143	13.854	13.842	13.873	VV	6021	106968	0.70%	0.036%
144	13.887	13.873	13.902	VV	5721	97914	0.64%	0.033%
145	13.930	13.902	13.950	VV	6195	172277	1.12%	0.057%
146	13.973	13.950	14.008	VV	7261	217467	1.41%	0.073%
147	14.085	14.008	14.097	VV	7581	338533	2.20%	0.113%
148	14.134	14.097	14.225	VV	550781	7118332	46.31%	2.373%
149	14.262	14.225	14.291	VV	6832	253269	1.65%	0.084%
150	14.298	14.291	14.308	VV	6337	64372	0.42%	0.021%
151	14.338	14.308	14.384	VV	7957	312855	2.04%	0.104%
152	14.404	14.384	14.417	VV	6142	116675	0.76%	0.039%
153	14.428	14.417	14.438	VV	6077	76935	0.50%	0.026%
154	14.457	14.438	14.474	VV	6293	129072	0.84%	0.043%
155	14.531	14.474	14.617	VV	7339	566367	3.68%	0.189%
156	14.639	14.617	14.673	VV	6551	203241	1.32%	0.068%
157	14.697	14.673	14.738	VV	7850	251469	1.64%	0.084%
158	14.760	14.738	14.780	VV	6552	157049	1.02%	0.052%
159	14.793	14.780	14.840	VV	6144	202622	1.32%	0.068%
160	14.852	14.840	14.868	VV	5126	83451	0.54%	0.028%
161	14.901	14.868	14.930	VV	5327	189193	1.23%	0.063%
162	14.951	14.930	15.001	VV	5043	199177	1.30%	0.066%
163	15.019	15.001	15.061	VV	4468	149017	0.97%	0.050%
164	15.094	15.061	15.151	VV	4795	210862	1.37%	0.070%
165	15.202	15.151	15.218	VV	571197	7227155	47.02%	2.410%
166	15.242	15.218	15.548	VV	1051199	15370767	100.00%	5.125%
167	15.570	15.548	15.591	VV	2306	54060	0.35%	0.018%
168	15.622	15.591	15.701	VV	25728	553212	3.60%	0.184%
169	15.714	15.701	15.731	VV	2189	36124	0.24%	0.012%
170	15.757	15.731	15.801	VV	7671	176923	1.15%	0.059%
171	15.832	15.801	15.890	VV	8744	158414	1.03%	0.053%
172	15.900	15.890	15.928	VV	1060	19976	0.13%	0.007%
173	15.955	15.928	16.015	VV	1208	39515	0.26%	0.013%
174	16.041	16.015	16.060	VV	716	18034	0.12%	0.006%
175	16.079	16.060	16.110	VV	1081	21482	0.14%	0.007%
176	16.147	16.110	16.191	VV	1630	40236	0.26%	0.013%
177	16.265	16.191	16.308	VV	515352	6583688	42.83%	2.195%
178	16.328	16.308	16.374	VV	2438	38652	0.25%	0.013%
179	16.381	16.374	16.421	VV	359	6482	0.04%	0.002%
180	16.459	16.421	16.519	VV	1570	25369	0.17%	0.008%
181	16.567	16.519	16.588	PV	559	14301	0.09%	0.005%
182	16.639	16.588	16.686	VV	12355	233737	1.52%	0.078%
183	16.708	16.686	16.718	VV	1945	32078	0.21%	0.011%
184	16.771	16.718	16.786	VV	530824	7512062	48.87%	2.505%
185	16.804	16.786	17.011	VV	621976	8336110	54.23%	2.779%
186	17.042	17.011	17.075	VV	3888	73188	0.48%	0.024%
187	17.097	17.075	17.115	VV	3635	50881	0.33%	0.017%
188	17.155	17.115	17.186	VV	537942	7323684	47.65%	2.442%
189	17.215	17.186	17.249	VV	506681	6939276	45.15%	2.314%
190	17.262	17.249	17.275	VV	7887	106530	0.69%	0.036%
191	17.292	17.275	17.384	VV	10989	205689	1.34%	0.069%
192	17.409	17.384	17.428	VV	558	12146	0.08%	0.004%
193	17.455	17.428	17.491	VV	412	12099	0.08%	0.004%
194	17.507	17.491	17.518	VV	233	2836	0.02%	0.001%

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195	17.581	17.518	17.636	VV	19384	398715	2.59%	0.133%
196	17.663	17.636	17.716	VV	19881	293242	1.91%	0.098%
197	17.746	17.716	17.771	VV	2610	47479	0.31%	0.016%
198	17.784	17.771	17.811	VV	713	9595	0.06%	0.003%
199	17.836	17.811	17.861	VV	563	10442	0.07%	0.003%
200	17.879	17.861	17.908	VV	775	13295	0.09%	0.004%
201	17.994	17.908	18.014	PV	1973	41286	0.27%	0.014%
202	18.039	18.014	18.051	VV	2074	32162	0.21%	0.011%
203	18.108	18.051	18.150	VV	475469	6395596	41.61%	2.132%
204	18.196	18.150	18.222	VV	11713	182684	1.19%	0.061%
205	18.236	18.222	18.258	VV	992	17101	0.11%	0.006%
206	18.280	18.258	18.297	VV	1012	17811	0.12%	0.006%
207	18.333	18.297	18.363	VV	2339	47534	0.31%	0.016%
208	18.376	18.363	18.390	VV	555	6451	0.04%	0.002%
209	18.467	18.390	18.499	PV	17076	408385	2.66%	0.136%
210	18.540	18.499	18.554	VV	540705	8087457	52.62%	2.696%
211	18.572	18.554	18.751	VV	593343	9350655	60.83%	3.118%
212	18.798	18.751	18.898	VV	535501	8616151	56.06%	2.873%
213	18.939	18.898	18.996	VV	447568	6562375	42.69%	2.188%
214	19.038	18.996	19.081	VV	11561	265111	1.72%	0.088%
215	19.090	19.081	19.159	VV	2704	64678	0.42%	0.022%
216	19.219	19.159	19.238	VV	2799	53094	0.35%	0.018%
217	19.298	19.238	19.318	VV	19917	378449	2.46%	0.126%
218	19.334	19.318	19.386	VV	15749	364027	2.37%	0.121%
219	19.418	19.386	19.454	VV	4884	141991	0.92%	0.047%
220	19.480	19.454	19.510	VV	2473	67714	0.44%	0.023%
221	19.537	19.510	19.552	VV	2488	47453	0.31%	0.016%
222	19.581	19.552	19.614	VV	3261	80365	0.52%	0.027%
223	19.637	19.614	19.661	VV	2853	51355	0.33%	0.017%
224	19.724	19.661	19.761	VV	439915	6299561	40.98%	2.100%
225	19.793	19.761	19.811	VV	7190	168271	1.09%	0.056%
226	19.836	19.811	19.889	VV	10734	315104	2.05%	0.105%
227	19.906	19.889	19.937	VV	4981	120802	0.79%	0.040%
228	19.948	19.937	19.978	VV	3308	76365	0.50%	0.025%
229	20.015	19.978	20.040	VV	4672	146072	0.95%	0.049%
230	20.089	20.040	20.115	VV	10588	330009	2.15%	0.110%
231	20.128	20.115	20.165	VV	7209	174732	1.14%	0.058%
232	20.189	20.165	20.216	VV	4933	142530	0.93%	0.048%
233	20.245	20.216	20.268	VV	5621	158237	1.03%	0.053%
234	20.283	20.268	20.293	VV	5111	75871	0.49%	0.025%
235	20.366	20.293	20.394	VV	9669	435246	2.83%	0.145%
236	20.467	20.394	20.513	VV	434801	6633825	43.16%	2.212%
237	20.627	20.513	20.723	VV	20164	1504552	9.79%	0.502%
238	20.742	20.723	20.754	VV	9567	177613	1.16%	0.059%
239	20.847	20.754	20.905	VV	17766	1100673	7.16%	0.367%
240	20.947	20.905	20.968	VV	11504	422157	2.75%	0.141%
241	20.999	20.968	21.093	VV	11419	793146	5.16%	0.264%
242	21.122	21.093	21.151	VV	10082	331702	2.16%	0.111%
243	21.213	21.151	21.289	VV	368969	6979954	45.41%	2.327%
244	21.304	21.289	21.328	VV	8328	190801	1.24%	0.064%
245	21.333	21.328	21.383	VV	8080	259252	1.69%	0.086%
246	21.418	21.383	21.427	VV	7419	190040	1.24%	0.063%

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247	21.460	21.427	21.504	VV	7419	331297	2.16%	0.110%
248	21.507	21.504	21.611	VV	6820	380000	2.47%	0.127%
249	21.642	21.611	21.697	VV	6397	285603	1.86%	0.095%
250	21.711	21.697	21.731	VV	4899	94619	0.62%	0.032%
251	21.742	21.731	21.753	VV	4529	56878	0.37%	0.019%
252	21.757	21.753	21.778	VV	4251	60688	0.39%	0.020%
253	21.783	21.778	21.858	VV	3856	162134	1.05%	0.054%
254	21.891	21.858	21.945	VV	3132	140679	0.92%	0.047%
255	21.958	21.945	21.971	VV	2078	31494	0.20%	0.011%
256	21.978	21.971	22.051	VV	1937	68973	0.45%	0.023%
257	22.145	22.051	22.228	VV	277016	6507561	42.34%	2.170%
258	22.260	22.228	22.270	VV	343	7882	0.05%	0.003%
					Sum of corrected areas:	299925121		

Aliphatic EPH 103025.M Wed Nov 26 06:52:43 2025

Manual Integration Report

Sequence:

FE103025AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3485-01	FE056583.D	ortho-Terphenyl (SURR)	rahul	10/31/2025 4:28:28 PM	yogesh	10/31/2025 4:28:57	Peak Integrated by Software
Q3485-02	FE056584.D	1-chlorooctadecane (SURR)	rahul	10/31/2025 4:28:31 PM	yogesh	10/31/2025 4:28:58	Peak Integrated by Software
Q3485-02	FE056584.D	ortho-Terphenyl (SURR)	rahul	10/31/2025 4:28:31 PM	yogesh	10/31/2025 4:28:58	Peak Integrated by Software
Q3490-01	FE056595.D	ortho-Terphenyl (SURR)	rahul	10/31/2025 4:28:34 PM	yogesh	10/31/2025 4:29:00	Peak Integrated by Software

Manual Integration Report

Sequence:

FE112525AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3697-01DL	FE057020.D	1-chlorooctadecane (SURR)	rahul	11/26/2025 9:44:25 AM	mohammad	11/27/2025 12:21:32	Peak Integrated by Software
Q3697-01DL	FE057020.D	ortho-Terphenyl (SURR)	rahul	11/26/2025 9:44:25 AM	mohammad	11/27/2025 12:21:32	Peak Integrated by Software
Q3697-03DL	FE057022.D	ortho-Terphenyl (SURR)	rahul	11/26/2025 9:44:28 AM	mohammad	11/27/2025 12:21:32	Peak Integrated by Software
Q3710-01DL	FE057023.D	1-chlorooctadecane (SURR)	rahul	11/26/2025 9:44:32 AM	mohammad	11/27/2025 12:21:32	Peak Integrated by Software



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

Manual Integration Report

Sequence:

FE112625AL

Instrument

FID_e

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE103025AL

Review By	yogesh	Review On	10/30/2025 10:43:15 AM
Supervise By	Sohil	Supervise On	10/30/2025 4:01:31 PM
SubDirectory	FE103025AL	HP Acquire Method	HP Processing Method FE103025AL
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	FE056573.D	30 Oct 2025 09:19	YP\AJ	Ok
2	I.BLK	FE056574.D	30 Oct 2025 09:49	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE056575.D	30 Oct 2025 10:20	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE056576.D	30 Oct 2025 10:50	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE056577.D	30 Oct 2025 11:20	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE056578.D	30 Oct 2025 11:51	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE056579.D	30 Oct 2025 12:21	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE056580.D	30 Oct 2025 12:51	YP\AJ	Ok
9	I.BLK	FE056581.D	30 Oct 2025 13:21	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE056582.D	30 Oct 2025 13:52	YP\AJ	Ok
11	Q3485-01	FE056583.D	30 Oct 2025 14:52	YP\AJ	Ok,M
12	Q3485-02	FE056584.D	30 Oct 2025 15:23	YP\AJ	Ok,M
13	Q3486-01	FE056585.D	30 Oct 2025 15:53	YP\AJ	Ok
14	Q3486-02	FE056586.D	30 Oct 2025 16:25	YP\AJ	Ok
15	Q3486-03	FE056587.D	30 Oct 2025 16:56	YP\AJ	Dilution
16	Q3486-04	FE056588.D	30 Oct 2025 17:26	YP\AJ	Ok
17	Q3486-06	FE056589.D	30 Oct 2025 17:57	YP\AJ	Ok
18	Q3486-07	FE056590.D	30 Oct 2025 18:27	YP\AJ	ReRun
19	Q3486-08	FE056591.D	30 Oct 2025 18:58	YP\AJ	ReRun
20	Q3488-01	FE056592.D	30 Oct 2025 19:28	YP\AJ	Ok
21	Q3488-04	FE056593.D	30 Oct 2025 19:59	YP\AJ	Dilution

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE103025AL

Review By	yogesh	Review On	10/30/2025 10:43:15 AM
Supervise By	Sohil	Supervise On	10/30/2025 4:01:31 PM
SubDirectory	FE103025AL	HP Acquire Method	HP Processing Method FE103025AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM	PP24771		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24769,PP24774		

22	Q3488-06	FE056594.D	30 Oct 2025 20:29	YP\AJ	Dilution
23	Q3490-01	FE056595.D	30 Oct 2025 21:00	YP\AJ	Dilution
24	Q3488-02	FE056596.D	30 Oct 2025 21:30	YP\AJ	Dilution
25	I.BLK	FE056597.D	30 Oct 2025 23:01	YP\AJ	Ok
26	20 PPM ALIPHATIC HC STD	FE056598.D	30 Oct 2025 23:32	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE112525AL

Review By		Review On	
Supervise By		Supervise On	
SubDirectory	FE112525AL	HP Acquire Method	HP Processing Method FE103025AL
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	FE057017.D	25 Nov 2025 09:18	YP\AJ	Ok
2	I.BLK	FE057018.D	25 Nov 2025 09:48	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE057019.D	25 Nov 2025 10:51	YP\AJ	Ok
4	Q3697-01DL	FE057020.D	25 Nov 2025 11:23	YP\AJ	Ok,M
5	Q3697-02DL	FE057021.D	25 Nov 2025 11:53	YP\AJ	Ok
6	Q3697-03DL	FE057022.D	25 Nov 2025 12:23	YP\AJ	Ok,M
7	Q3710-01DL	FE057023.D	25 Nov 2025 12:54	YP\AJ	Ok,M
8	PB170727BL	FE057024.D	25 Nov 2025 13:29	YP\AJ	Ok
9	PB170727BS	FE057025.D	26 Nov 2025 00:47	YP\AJ	Ok
10	PB170727BSD	FE057026.D	26 Nov 2025 01:17	YP\AJ	Ok
11	Q3661-03	FE057027.D	26 Nov 2025 01:48	YP\AJ	ReRun
12	Q3661-04	FE057028.D	26 Nov 2025 02:18	YP\AJ	ReRun
13	Q3661-05	FE057029.D	26 Nov 2025 02:48	YP\AJ	ReRun
14	Q3661-06	FE057030.D	26 Nov 2025 03:18	YP\AJ	ReRun
15	Q3661-07	FE057031.D	26 Nov 2025 03:48	YP\AJ	Ok
16	Q3661-07MS	FE057032.D	26 Nov 2025 04:19	YP\AJ	Ok
17	Q3661-07MSD	FE057033.D	26 Nov 2025 04:49	YP\AJ	Ok
18	I.BLK	FE057034.D	26 Nov 2025 05:49	YP\AJ	Ok
19	20 PPM ALIPHATIC HC STD	FE057035.D	26 Nov 2025 06:20	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE112625AL

Review By	rahul	Review On	11/26/2025 2:09:39 PM
Supervise By		Supervise On	
SubDirectory	FE112625AL	HP Acquire Method	HP Processing Method FE103025AL
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	FE057036.D	26 Nov 2025 08:58	YP\AJ	Ok
2	I.BLK	FE057037.D	26 Nov 2025 09:28	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE057038.D	26 Nov 2025 09:59	YP\AJ	Ok
4	Q3710-03RE	FE057039.D	26 Nov 2025 10:30	YP\AJ	Confirms
5	Q3661-03RE	FE057040.D	26 Nov 2025 11:00	YP\AJ	Confirms
6	Q3661-04RE	FE057041.D	26 Nov 2025 11:31	YP\AJ	Confirms
7	Q3661-05RE	FE057042.D	26 Nov 2025 12:01	YP\AJ	Confirms
8	Q3661-06RE	FE057043.D	26 Nov 2025 12:31	YP\AJ	Confirms
9	I.BLK	FE057044.D	26 Nov 2025 13:02	YP\AJ	Confirms
10	20 PPM ALIPHATIC HC STD	FE057045.D	26 Nov 2025 14:33	YP\AJ	Ok
11	PB170736BL	FE057046.D	26 Nov 2025 15:04	YP\AJ	Ok
12	PB170736BS	FE057047.D	26 Nov 2025 15:35	YP\AJ	Ok
13	PB170736BSD	FE057048.D	26 Nov 2025 16:05	YP\AJ	Ok
14	Q3714-01	FE057049.D	26 Nov 2025 16:35	YP\AJ	Ok
15	Q3714-01D	FE057050.D	26 Nov 2025 17:06	YP\AJ	Ok
16	Q3714-01MS	FE057051.D	26 Nov 2025 17:36	YP\AJ	Ok
17	Q3714-01MSD	FE057052.D	26 Nov 2025 18:07	YP\AJ	Ok
18	Q3714-02	FE057053.D	26 Nov 2025 18:37	YP\AJ	Dilution
19	Q3723-01	FE057054.D	26 Nov 2025 19:08	YP\AJ	Dilution
20	Q3723-02	FE057055.D	26 Nov 2025 19:38	YP\AJ	Dilution
21	Q3719-01	FE057056.D	26 Nov 2025 20:09	YP\AJ	Dilution

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE112625AL

Review By	rahul	Review On	11/26/2025 2:09:39 PM
Supervise By		Supervise On	
SubDirectory	FE112625AL	HP Acquire Method	HP Processing Method FE103025AL
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	Q3719-02	FE057057.D	26 Nov 2025 20:39	YP\AJ	Ok
23	Q3719-03	FE057058.D	26 Nov 2025 21:09	YP\AJ	Ok
24	Q3719-04	FE057059.D	26 Nov 2025 21:40	YP\AJ	Ok
25	Q3719-05	FE057060.D	26 Nov 2025 22:10	YP\AJ	ReRun
26	Q3721-01DL	FE057061.D	26 Nov 2025 22:40	YP\AJ	Not Ok
27	Q3721-02DL	FE057062.D	26 Nov 2025 23:11	YP\AJ	Not Ok
28	I.BLK	FE057063.D	27 Nov 2025 00:42	YP\AJ	Ok
29	20 PPM ALIPHATIC HC STD	FE057064.D	27 Nov 2025 01:42	YP\AJ	Ok,NR
30	Q3719-05RE	FE057065.D	27 Nov 2025 02:43	YP\AJ	Confirms
31	Q3719-06	FE057066.D	27 Nov 2025 03:13	YP\AJ	ReRun
32	Q3719-07	FE057067.D	27 Nov 2025 03:43	YP\AJ	Ok
33	Q3719-08	FE057068.D	27 Nov 2025 04:13	YP\AJ	Ok
34	Q3719-09	FE057069.D	27 Nov 2025 04:43	YP\AJ	Ok
35	Q3719-10	FE057070.D	27 Nov 2025 05:14	YP\AJ	Ok
36	Q3719-11	FE057071.D	27 Nov 2025 05:44	YP\AJ	Ok
37	Q3719-12	FE057072.D	27 Nov 2025 06:14	YP\AJ	ReRun
38	Q3719-13	FE057073.D	27 Nov 2025 06:44	YP\AJ	ReRun
39	Q3719-14	FE057074.D	27 Nov 2025 07:14	YP\AJ	ReRun
40	I.BLK	FE057075.D	27 Nov 2025 08:45	YP\AJ	Ok
41	20 PPM ALIPHATIC HC STD	FE057076.D	27 Nov 2025 09:15	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE103025AL

Review By	yogesh	Review On	10/30/2025 10:43:15 AM
Supervise By	Sohil	Supervise On	10/30/2025 4:01:31 PM
SubDirectory	FE103025AL	HP Acquire Method	HP Processing Method
			FE103025AL

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	FE056573.D	30 Oct 2025 09:19		YPIAJ	Ok
2	I.BLK	I.BLK	FE056574.D	30 Oct 2025 09:49		YPIAJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE056575.D	30 Oct 2025 10:20		YPIAJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE056576.D	30 Oct 2025 10:50		YPIAJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056577.D	30 Oct 2025 11:20		YPIAJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE056578.D	30 Oct 2025 11:51		YPIAJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE056579.D	30 Oct 2025 12:21		YPIAJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056580.D	30 Oct 2025 12:51		YPIAJ	Ok
9	I.BLK	I.BLK	FE056581.D	30 Oct 2025 13:21		YPIAJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056582.D	30 Oct 2025 13:52		YPIAJ	Ok
11	Q3485-01	TR-04-102925	FE056583.D	30 Oct 2025 14:52		YPIAJ	Ok,M
12	Q3485-02	TR-04-102925-E2	FE056584.D	30 Oct 2025 15:23		YPIAJ	Ok,M
13	Q3486-01	TP3	FE056585.D	30 Oct 2025 15:53		YPIAJ	Ok
14	Q3486-02	TP3-E2	FE056586.D	30 Oct 2025 16:25		YPIAJ	Ok
15	Q3486-03	TP4	FE056587.D	30 Oct 2025 16:56	Need 5X, Surrogate fail	YPIAJ	Dilution
16	Q3486-04	TP4-E2	FE056588.D	30 Oct 2025 17:26		YPIAJ	Ok
17	Q3486-06	TP5-E2	FE056589.D	30 Oct 2025 17:57		YPIAJ	Ok
18	Q3486-07	TP6	FE056590.D	30 Oct 2025 18:27	Surrogate fail	YPIAJ	ReRun

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE103025AL

Review By	yogesh	Review On	10/30/2025 10:43:15 AM
Supervise By	Sohil	Supervise On	10/30/2025 4:01:31 PM
SubDirectory	FE103025AL	HP Acquire Method	HP Processing Method FE103025AL
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	Q3486-08	TP6-E2	FE056591.D	30 Oct 2025 18:58	Surrogate fail	YP\AJ	ReRun
20	Q3488-01	MOO-25-0294-0298	FE056592.D	30 Oct 2025 19:28		YP\AJ	Ok
21	Q3488-04	MOO-25-0302-0310	FE056593.D	30 Oct 2025 19:59	Need 500X	YP\AJ	Dilution
22	Q3488-06	MOO-25-0311-0313	FE056594.D	30 Oct 2025 20:29	Need further 20X	YP\AJ	Dilution
23	Q3490-01	LAW-25-0151	FE056595.D	30 Oct 2025 21:00	Need further 10X	YP\AJ	Dilution
24	Q3488-02	MOO-25-0299	FE056596.D	30 Oct 2025 21:30	Need further 20X	YP\AJ	Dilution
25	I.BLK	I.BLK	FE056597.D	30 Oct 2025 23:01		YP\AJ	Ok
26	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056598.D	30 Oct 2025 23:32		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE112525AL

Review By		Review On		
Supervise By		Supervise On		
SubDirectory	FE112525AL	HP Acquire Method	HP Processing Method	FE103025AL
STD. NAME	STD REF.#			
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773			
CCC Internal Standard/PEM	PP24771			
ICV/I.BLK Surrogate Standard	PP24769,PP24774			
MS/MSD Standard LCS Standard				

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE057017.D	25 Nov 2025 09:18		YP\AJ	Ok
2	I.BLK	I.BLK	FE057018.D	25 Nov 2025 09:48		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE057019.D	25 Nov 2025 10:51		YP\AJ	Ok
4	Q3697-01DL	MOO-25-0331DL	FE057020.D	25 Nov 2025 11:23		YP\AJ	Ok,M
5	Q3697-02DL	MOO-25-0332DL	FE057021.D	25 Nov 2025 11:53		YP\AJ	Ok
6	Q3697-03DL	MOO-25-0333DL	FE057022.D	25 Nov 2025 12:23		YP\AJ	Ok,M
7	Q3710-01DL	RBR200028-RT5376-C	FE057023.D	25 Nov 2025 12:54		YP\AJ	Ok,M
8	PB170727BL	PB170727BL	FE057024.D	25 Nov 2025 13:29		YP\AJ	Ok
9	PB170727BS	PB170727BS	FE057025.D	26 Nov 2025 00:47		YP\AJ	Ok
10	PB170727BSD	PB170727BSD	FE057026.D	26 Nov 2025 01:17		YP\AJ	Ok
11	Q3661-03	1	FE057027.D	26 Nov 2025 01:48	Surrogate fail	YP\AJ	ReRun
12	Q3661-04	2	FE057028.D	26 Nov 2025 02:18	Surrogate fail	YP\AJ	ReRun
13	Q3661-05	3	FE057029.D	26 Nov 2025 02:48	Surrogate fail	YP\AJ	ReRun
14	Q3661-06	4	FE057030.D	26 Nov 2025 03:18	Surrogate fail	YP\AJ	ReRun
15	Q3661-07	5	FE057031.D	26 Nov 2025 03:48		YP\AJ	Ok
16	Q3661-07MS	5MS	FE057032.D	26 Nov 2025 04:19	FE057031.D	YP\AJ	Ok
17	Q3661-07MSD	5MSD	FE057033.D	26 Nov 2025 04:49	FE057031.D!FE057032.D	YP\AJ	Ok
18	I.BLK	I.BLK	FE057034.D	26 Nov 2025 05:49		YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE112525AL

Review By		Review On							
Supervise By		Supervise On							
SubDirectory		FE112525AL		HP Acquire Method		HP Processing Method		FE103025AL	
STD. NAME		STD REF.#							
Tune/Reschk									
Initial Calibration Stds									
CCC									
Internal Standard/PEM									
ICV/I.BLK									
Surrogate Standard									
MS/MSD Standard									
LCS Standard									
19	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE057035.D	26 Nov 2025 06:20		YP\AJ	Ok		

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE112625AL

Review By	rahul	Review On	11/26/2025 2:09:39 PM
Supervise By		Supervise On	
SubDirectory	FE112625AL	HP Acquire Method	HP Processing Method FE103025AL
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	FE057036.D	26 Nov 2025 08:58		YPIAJ	Ok
2	I.BLK	I.BLK	FE057037.D	26 Nov 2025 09:28		YPIAJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE057038.D	26 Nov 2025 09:59		YPIAJ	Ok
4	Q3710-03RE	COMPRESSOR-EXCA	FE057039.D	26 Nov 2025 10:30	SURROGATE FAIL	YPIAJ	Confirms
5	Q3661-03RE	1RE	FE057040.D	26 Nov 2025 11:00	SURROGATE FAIL	YPIAJ	Confirms
6	Q3661-04RE	2RE	FE057041.D	26 Nov 2025 11:31	SURROGATE FAIL	YPIAJ	Confirms
7	Q3661-05RE	3RE	FE057042.D	26 Nov 2025 12:01	SURROGATE FAIL	YPIAJ	Confirms
8	Q3661-06RE	4RE	FE057043.D	26 Nov 2025 12:31	SURROGATE FAIL	YPIAJ	Confirms
9	I.BLK	I.BLK	FE057044.D	26 Nov 2025 13:02	SURROGATE FAIL	YPIAJ	Confirms
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE057045.D	26 Nov 2025 14:33		YPIAJ	Ok
11	PB170736BL	PB170736BL	FE057046.D	26 Nov 2025 15:04		YPIAJ	Ok
12	PB170736BS	PB170736BS	FE057047.D	26 Nov 2025 15:35		YPIAJ	Ok
13	PB170736BSD	PB170736BSD	FE057048.D	26 Nov 2025 16:05		YPIAJ	Ok
14	Q3714-01	OR-03-11-24-2025	FE057049.D	26 Nov 2025 16:35		YPIAJ	Ok
15	Q3714-01D	Q3714-01D	FE057050.D	26 Nov 2025 17:06		YPIAJ	Ok
16	Q3714-01MS	OR-03-11-24-2025MS	FE057051.D	26 Nov 2025 17:36	FE057049.D	YPIAJ	Ok
17	Q3714-01MSD	OR-03-11-24-2025MSD	FE057052.D	26 Nov 2025 18:07	FE057049.D!FE057051.D	YPIAJ	Ok
18	Q3714-02	OR-03-11-24-2025	FE057053.D	26 Nov 2025 18:37	Need 5X	YPIAJ	Dilution

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE112625AL

Review By	rahul	Review On	11/26/2025 2:09:39 PM
Supervise By		Supervise On	
SubDirectory	FE112625AL	HP Acquire Method	HP Processing Method FE103025AL
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	Q3723-01	CC-1-112525	FE057054.D	26 Nov 2025 19:08	Need 2X	YPIAJ	Dilution
20	Q3723-02	CC-1-112525-E2	FE057055.D	26 Nov 2025 19:38	Need 2X	YPIAJ	Dilution
21	Q3719-01	SB-1125-10A	FE057056.D	26 Nov 2025 20:09	Need 2X	YPIAJ	Dilution
22	Q3719-02	SB-1125-10B	FE057057.D	26 Nov 2025 20:39		YPIAJ	Ok
23	Q3719-03	SB-1125-11A	FE057058.D	26 Nov 2025 21:09		YPIAJ	Ok
24	Q3719-04	SB-1125-11B	FE057059.D	26 Nov 2025 21:40		YPIAJ	Ok
25	Q3719-05	SB-1125-12A	FE057060.D	26 Nov 2025 22:10	SURROGATE FAIL	YPIAJ	ReRun
26	Q3721-01DL	EO-2-112525DL	FE057061.D	26 Nov 2025 22:40	Need original run	YPIAJ	Not Ok
27	Q3721-02DL	EO-2-112525-E2DL	FE057062.D	26 Nov 2025 23:11	Need original run	YPIAJ	Not Ok
28	I.BLK	I.BLK	FE057063.D	27 Nov 2025 00:42		YPIAJ	Ok
29	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE057064.D	27 Nov 2025 01:42		YPIAJ	Ok,NR
30	Q3719-05RE	SB-1125-12ARE	FE057065.D	27 Nov 2025 02:43	SURROGATE FAIL	YPIAJ	Confirms
31	Q3719-06	SB-1125-12B	FE057066.D	27 Nov 2025 03:13	SURROGATE FAIL	YPIAJ	ReRun
32	Q3719-07	SB-1125-14A	FE057067.D	27 Nov 2025 03:43		YPIAJ	Ok
33	Q3719-08	SB-1125-14B	FE057068.D	27 Nov 2025 04:13		YPIAJ	Ok
34	Q3719-09	SB-1125-15A	FE057069.D	27 Nov 2025 04:43		YPIAJ	Ok
35	Q3719-10	SB-1125-15B	FE057070.D	27 Nov 2025 05:14		YPIAJ	Ok
36	Q3719-11	SB-1125-16A	FE057071.D	27 Nov 2025 05:44		YPIAJ	Ok
37	Q3719-12	SB-1125-16B	FE057072.D	27 Nov 2025 06:14	SURROGATE FAIL	YPIAJ	ReRun

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE112625AL

Review By	rahul	Review On	11/26/2025 2:09:39 PM
Supervise By		Supervise On	
SubDirectory	FE112625AL	HP Acquire Method	HP Processing Method FE103025AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	Q3719-13	SB-1125-17A	FE057073.D	27 Nov 2025 06:44	SURROGATE FAIL	YP\AJ	ReRun
39	Q3719-14	SB-1125-17B	FE057074.D	27 Nov 2025 07:14	SURROGATE FAIL	YP\AJ	ReRun
40	I.BLK	I.BLK	FE057075.D	27 Nov 2025 08:45		YP\AJ	Ok
41	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE057076.D	27 Nov 2025 09:15		YP\AJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 11/18/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 11/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:27
Out Date: 11/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137921

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
Q3652-01	TP-1	1	1.15	10.42	11.57	10.16	86.5	
Q3652-02	TP-1-EPH	2	1.16	11.36	12.52	10.5	82.2	
Q3652-03	TP-1-VOC	3	1.11	10.55	11.66	9.88	83.1	
Q3654-01	1A1B1C	4	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q3654-02	2A2B2C	5	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q3656-01	T2-GRAVEL	6	1.18	10.65	11.83	9.59	79.0	
Q3656-02	T2-GRAVEL-E2	7	1.19	10.52	11.71	10.17	85.4	
Q3657-01	SEWAREN-CONCRETE	8	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3658-01	NB-07-111725	9	1.13	10.20	11.33	10.4	90.9	
Q3658-02	NB-07-111725-E2	10	1.14	11.04	12.18	11.34	92.4	
Q3659-01	TANK-1-COMP-1	11	1.15	10.57	11.72	11.71	99.9	
Q3659-02	TANK-1-COMP-2	12	1.15	10.43	11.58	11.55	99.7	
Q3661-01	WASTE	13	1.15	10.83	11.98	9.89	80.7	
Q3661-02	VOC	14	1.15	11.74	12.89	10.28	77.8	
Q3661-03	1	15	1.19	10.12	11.31	8.83	75.5	
Q3661-04	2	16	1.19	10.99	12.18	9.86	78.9	
Q3661-05	3	17	1.12	11.28	12.4	9.96	78.4	
Q3661-06	4	18	1.14	11.20	12.34	9.79	77.2	
Q3661-07	5	19	1.11	10.45	11.56	9.23	77.7	
Q3661-07D	5DUP	20	1.13	10.47	11.6	9.38	78.8	

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

WORKLIST(Hardcopy Internal Chain)

137921

WorkList Name : %1-111725

WorkList ID : 193153

Department : Wet-Chemistry

Date : 11-17-2025 10:37:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3652-01	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/17/2025	Chemtech -SO
Q3652-02	TP-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/17/2025	Chemtech -SO
Q3652-03	TP-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/17/2025	Chemtech -SO
Q3654-01	1A1B1C	Solid	Percent Solids	Cool 4 deg C	ATCE02	A11	11/13/2025	Chemtech -SO
Q3654-02	2A2B2C	Solid	Percent Solids	Cool 4 deg C	ATCE02	A11	11/13/2025	Chemtech -SO
Q3656-01	T2-GRAVEL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/17/2025	Chemtech -SO
Q3656-02	T2-GRAVEL-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/17/2025	Chemtech -SO
Q3657-01	SEWAREN-CONCRETE	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/17/2025	Chemtech -SO
Q3658-01	NB-07-111725	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/17/2025	Chemtech -SO
Q3658-02	NB-07-111725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/17/2025	Chemtech -SO
Q3659-01	TANK-1-COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG04	D41	11/17/2025	Chemtech -SO
Q3659-02	TANK-1-COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG04	D41	11/17/2025	Chemtech -SO
Q3661-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	A11	11/17/2025	Chemtech -SO
Q3661-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	A11	11/17/2025	Chemtech -SO
Q3661-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	A11	11/17/2025	Chemtech -SO
Q3661-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	A11	11/17/2025	Chemtech -SO
Q3661-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	A11	11/17/2025	Chemtech -SO
Q3661-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	A11	11/17/2025	Chemtech -SO
Q3661-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	A11	11/17/2025	Chemtech -SO

Date/Time 11/17/25 15:30

Raw Sample Received by: SO 100%

Raw Sample Relinquished by: SO 100%

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

11/17/25

SO 100%

SO 100%

17:35

SO 100%

SO 100%

SOP ID:	MNJDEP-EPH-8		
Clean Up SOP #:	N/A	Extraction Start Date :	11/25/2025
Matrix :	Solid	Extraction Start Time :	09:05
Weigh By:	EH	Extraction By:	RJ
Balance check:	EH	Extraction End Date :	11/25/2025
Balance ID:	EX-SC-2	Filter By:	RJ
pH Strip Lot#:	N/A	Extraction End Time :	12:25
		Concentration By:	EH
		Supervisor By :	RUPESH
Extraction Method:	☐ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		

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

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2659
Baked Na2SO4	N/A	EP2663
Sand	N/A	E3951
Methylene Chloride	N/A	E3986
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

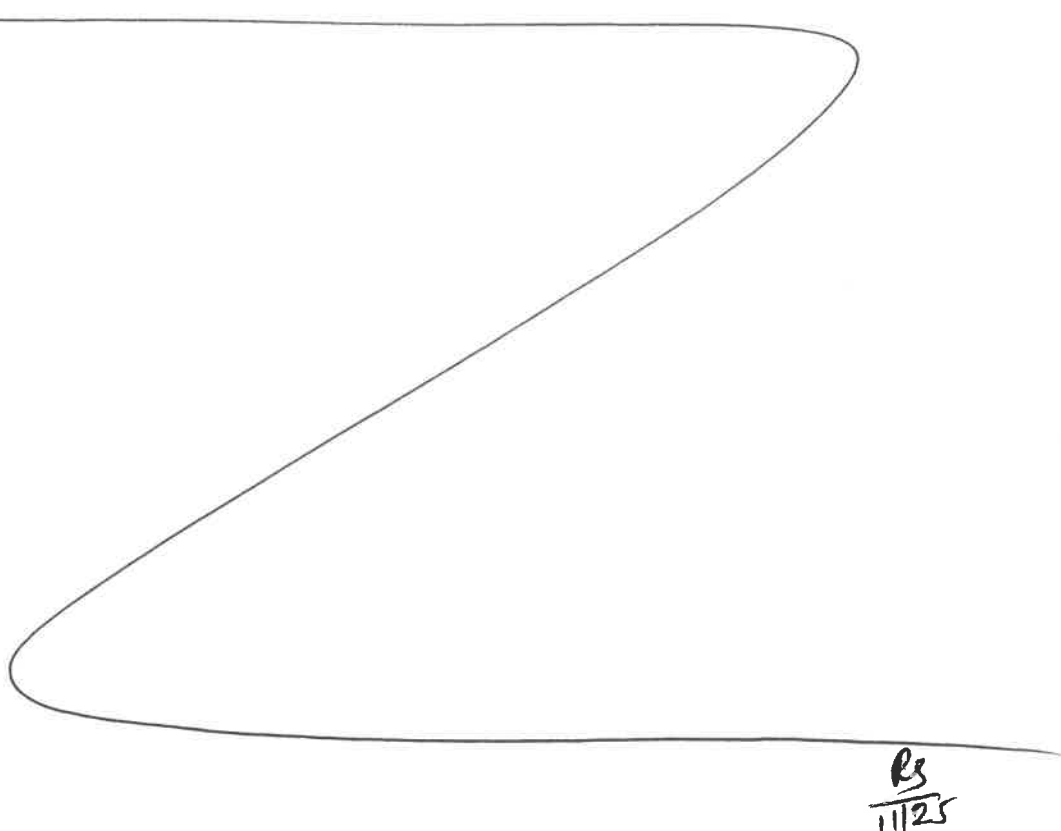
KD Bath ID:	N/A	Envap ID:	N-EVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/25/25	RS (Ext Lab)	RC/Pent PCB
12:30	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-8

Concentration Date: 11/25/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170727BL	PB170727BL	EPH_F2	30.01	N/A	ritesh	Evelyn	2			U1-1
PB170727BS	PB170727BS	EPH_F2	30.03	N/A	ritesh	Evelyn	2			2
PB170727BSD	PB170727BSD	EPH_F2	30.02	N/A	ritesh	Evelyn	2			3
Q3661-03	1	EPH_F2	30.06	N/A	ritesh	Evelyn	2			4
Q3661-04	2	EPH_F2	30.08	N/A	ritesh	Evelyn	2			5
Q3661-05	3	EPH_F2	30.07	N/A	ritesh	Evelyn	2			6
Q3661-06	4	EPH_F2	30.05	N/A	ritesh	Evelyn	2			U2-1
Q3661-07	5	EPH_F2	30.02	N/A	ritesh	Evelyn	2			2
Q3661-07MS	5MS	EPH_F2	30.03	N/A	ritesh	Evelyn	2			3
Q3661-07MS D	5MSD	EPH_F2	30.06	N/A	ritesh	Evelyn	2			4



170725
9:15

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3661 WorkList ID : 193332 Department : Extraction Date : 11-25-2025 08:27:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3661-03	1	Solid	EPH_F2	Cool 4 deg C	SCIA01	A11	11/17/2025	NJEPH
Q3661-04	2	Solid	EPH_F2	Cool 4 deg C	SCIA01	A11	11/17/2025	NJEPH
Q3661-05	3	Solid	EPH_F2	Cool 4 deg C	SCIA01	A11	11/17/2025	NJEPH
Q3661-06	4	Solid	EPH_F2	Cool 4 deg C	SCIA01	A11	11/17/2025	NJEPH
Q3661-07	5	Solid	EPH_F2	Cool 4 deg C	SCIA01	A11	11/17/2025	NJEPH

Date/Time 11/25/25 9:00
Raw Sample Received by: R3 (L74-446)
Raw Sample Relinquished by: JD (SM)

Date/Time 11/25/25 9:15
Raw Sample Received by: JDCSM
Raw Sample Relinquished by: R3 (L74-446)

Prep Standard - Chemical Standard Summary

Order ID : Q3661

Test : EPH_F2

Prepbatch ID : PB170727,

Sequence ID/Qc Batch ID: FE112525AL,FE112625AL,

Standard ID :

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

Chemical ID :

E3875,E3951,E3956,E3979,E3980,E3982,E3986,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,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



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

<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>
2900	100 PPM Aliphatic HC STD (Absolute)	PP24769	08/01/2025	02/01/2026	Yogesh Patel	None	None	Abdul Mirza 08/19/2025
<u>FROM</u> 0.22000ml of P13690 + 0.25000ml of P13620 + 1.25000ml of P13280 + 1.25000ml of P13281 + 22.00000ml of E3956 = Final Quantity: 25.000 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>
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>
1330	100 PPM NJEPH Spike Solution	PP25005	10/22/2025	04/22/2026	Abdul Mirza	None	None	Yogesh Patel
								11/04/2025

FROM 5.00000ml of P14127 + 5.00000ml of P14128 + 5.00000ml of P14129 + 5.00000ml of P14130 + 5.00000ml of P14131 + 5.00000ml of P14132 + 5.00000ml of P14133 + 5.00000ml of P14134 + 5.00000ml of P14135 + 5.00000ml of P14136 + 5.00000ml of P14195 + 5.00000ml of P14196 + 5.00000ml of P14197 + 5.00000ml of P14198 + 5.00000ml of P14199 + 5.00000ml of P14200 + 5.00000ml of P14201 + 5.00000ml of P14202 + 5.00000ml of P14203 + 5.00000ml of P14204 = Final Quantity: 100.000 ml

[illegible]

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-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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	11/14/2025 / RUPESH	11/05/2025 / RUPESH	E3986

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31098 / 1-Chlorooctadecane Standard	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

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

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	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

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

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	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

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

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	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	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

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	P14199

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/28/2025 / jignesh	07/25/2025 / jignesh	W3234



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875



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

 **avantor**™



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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date: 2026-04-16
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
Assay (CH_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

Received on
11/5/25

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3986

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** 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
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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Fax: 1-814-353-1309

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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30542 **Lot No.:** 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
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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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

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
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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CERTIFIED REFERENCE MATERIAL

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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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
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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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
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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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
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
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
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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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
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
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
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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.
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CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	n-Nonane (C9) CAS # 111-84-2 Purity 99% (Lot SHBN5361)	2,014.0 µg/mL	+/- 11.8193 +/- 50.0027 +/- 59.9491	µg/mL Gravimetric Unstressed Stressed
2	n-Decane (C10) CAS # 124-18-5 Purity 99% (Lot SHBN8619)	2,014.7 µg/mL	+/- 11.8232 +/- 50.0193 +/- 59.9689	µg/mL Gravimetric Unstressed Stressed
3	Naphthalene CAS # 91-20-3 Purity 99% (Lot MKCH0219)	2,015.3 µg/mL	+/- 11.8271 +/- 50.0358 +/- 59.9888	µg/mL Gravimetric Unstressed Stressed
4	n-Dodecane (C12) CAS # 112-40-3 Purity 99% (Lot SHBN7174)	2,008.0 µg/mL	+/- 11.7841 +/- 49.8538 +/- 59.7705	µg/mL Gravimetric Unstressed Stressed
5	2-Methylnaphthalene CAS # 91-57-6 Purity 96% (Lot STBK0259)	2,007.0 µg/mL	+/- 11.7784 +/- 49.8299 +/- 59.7419	µg/mL Gravimetric Unstressed Stressed
6	n-Tetradecane (C14) CAS # 629-59-4 Purity 99% (Lot STBK2282)	2,016.7 µg/mL	+/- 11.8349 +/- 50.0689 +/- 60.0284	µg/mL Gravimetric Unstressed Stressed
7	n-Hexadecane (C16) CAS # 544-76-3 Purity 98% (Lot SHBM4146)	2,014.9 µg/mL	+/- 11.8244 +/- 50.0246 +/- 59.9753	µg/mL Gravimetric Unstressed Stressed

8	n-Octadecane (C18) CAS # 593-45-3 Purity 97%	(Lot VZKOJ)	2,004.7 µg/mL	+/-	11.7645	µg/mL	Gravimetric
				+/-	49.7710	µg/mL	Unstressed
				+/-	59.6712	µg/mL	Stressed
9	n-Eicosane (C20) CAS # 112-95-8 Purity 99%	(Lot MKCF7888)	2,018.0 µg/mL	+/-	11.8428	µg/mL	Gravimetric
				+/-	50.1020	µg/mL	Unstressed
				+/-	60.0681	µg/mL	Stressed
10	n-Heneicosane (C21) CAS # 629-94-7 Purity 99%	(Lot MKCL3226)	2,000.7 µg/mL	+/-	11.7410	µg/mL	Gravimetric
				+/-	49.6717	µg/mL	Unstressed
				+/-	59.5522	µg/mL	Stressed
11	n-Docosane (C22) CAS # 629-97-0 Purity 99%	(Lot MKCL8918)	2,005.3 µg/mL	+/-	11.7684	µg/mL	Gravimetric
				+/-	49.7876	µg/mL	Unstressed
				+/-	59.6911	µg/mL	Stressed
12	n-Tetracosane (C24) CAS # 646-31-1 Purity 99%	(Lot MKCN2863)	2,018.0 µg/mL	+/-	11.8428	µg/mL	Gravimetric
				+/-	50.1020	µg/mL	Unstressed
				+/-	60.0681	µg/mL	Stressed
13	n-Hexacosane (C26) CAS # 630-01-3 Purity 99%	(Lot MKCD4540)	2,014.0 µg/mL	+/-	11.8193	µg/mL	Gravimetric
				+/-	50.0027	µg/mL	Unstressed
				+/-	59.9491	µg/mL	Stressed
14	n-Octacosane (C28) CAS # 630-02-4 Purity 99%	(Lot BCCG0084)	2,002.0 µg/mL	+/-	11.7489	µg/mL	Gravimetric
				+/-	49.7048	µg/mL	Unstressed
				+/-	59.5919	µg/mL	Stressed
15	n-Triacontane (C30) CAS # 638-68-6 Purity 97%	(Lot MKCQ9436)	2,011.1 µg/mL	+/-	11.8025	µg/mL	Gravimetric
				+/-	49.9316	µg/mL	Unstressed
				+/-	59.8637	µg/mL	Stressed
16	n-Dotriacontane (C32) CAS # 544-85-4 Purity 99%	(Lot BCBW0661)	2,012.0 µg/mL	+/-	11.8075	µg/mL	Gravimetric
				+/-	49.9531	µg/mL	Unstressed
				+/-	59.8895	µg/mL	Stressed
17	n-Tetratriacontane (C34) CAS # 14167-59-0 Purity 99%	(Lot OML4N)	2,006.7 µg/mL	+/-	11.7762	µg/mL	Gravimetric
				+/-	49.8207	µg/mL	Unstressed
				+/-	59.7308	µg/mL	Stressed
18	n-Hexatriacontane (C36) CAS # 630-06-8 Purity 99%	(Lot Z27H018)	2,017.3 µg/mL	+/-	11.8388	µg/mL	Gravimetric
				+/-	50.0855	µg/mL	Unstressed
				+/-	60.0483	µg/mL	Stressed
19	n-Octatriacontane (C38) CAS # 7194-85-6 Purity 96%	(Lot 0000145137)	2,017.3 µg/mL	+/-	11.8385	µg/mL	Gravimetric
				+/-	50.0842	µg/mL	Unstressed
				+/-	60.0467	µg/mL	Stressed
20	n-Tetracontane (C40) CAS # 4181-95-7 Purity 99%	(Lot BSBME)	2,008.7 µg/mL	+/-	11.7880	µg/mL	Gravimetric
				+/-	49.8703	µg/mL	Unstressed
				+/-	59.7903	µg/mL	Stressed
Solvent: Hexane/Carbon disulfide (80:20)							
	CAS # 110-54-3/75-15-0						
	Purity 99%						

Column:
30m x 0.25mm x 0.25µm
Pxx-5 (cat.#10223)

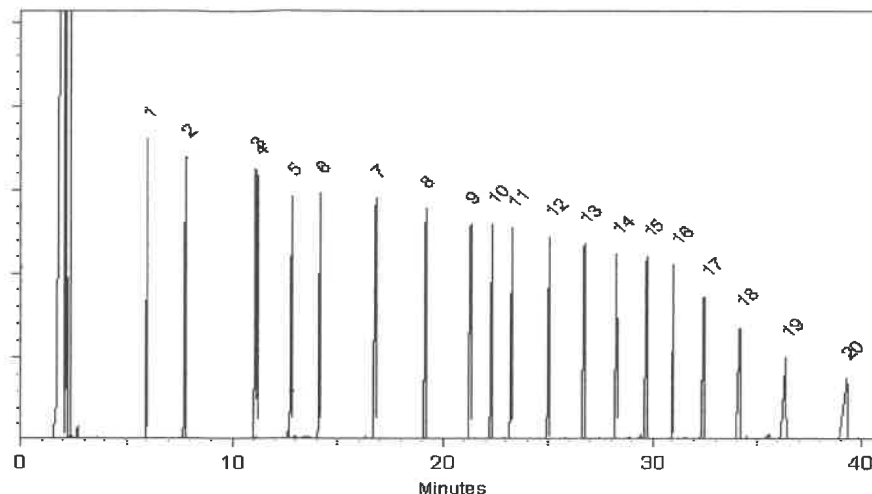
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

Date Mixed: 10-Oct-2022 **Balance:** 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-Oct-2022

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

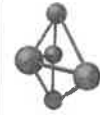
- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



CERTIFIED WEIGHT REPORT

Part Number: **95999**

Lot Number: **040524**

Description: **NJ EPH Aliphatic n-Hydrocarbons - Revised**
20 components

Expiration Date: **040534**

Recommended Storage: **Ambient (20 °C)**

Nominal Concentration (µg/mL): **1000**

NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL):

CAUTION: Sonicate Before Use

Solvent(s):
Cyclohexane

Lot#
28930

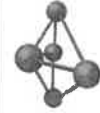
P13278
2
P13287
Y.P.
04/11/24

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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

Compound		Part Number	(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	1000.7	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	1000.9	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	1000.7	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	1002.1	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	1000.5	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	1001.0	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	1001.0	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	1002.4	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	1001.9	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	1000.8	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	1001.2	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	1000.5	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	1000.5	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	1000.5	NA	0.013	NA	NA	NA	999.8	4.3	544-85-4	N/A	ivn-mus 100mg/kg
17.	n-Tetraacontane	95708	120222	1.00	25.00	1000.4	1000	1000.4	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	1001.5	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	1000.3	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	1000.6	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

P13278
2
P13287
Y.P.
04/11/24

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

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

Compound		Part Number	(RM#)	Lot Number	DIL Factor	Initial Vol. (mL)	Initial Conc (µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Pipette	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
																CAS#	OSHA PEL (TWA)	LD50
1.	2-Methylnaphthalene	(0214)	MKBF3783V	NA	NA	NA	NA	1000	97	0.2	NA	0.02579	0.02594	1005.7	5.7	91-57-6	N/A	or-rat 1630mg/kg
2.	Naphthalene	(0222)	MKB28680V	NA	NA	NA	NA	1000	100	0.2	NA	0.02502	0.02511	1003.7	5.7	91-20-3	10 ppm (50mg/m ³ 8H)	or-rat 490mg/kg
3.	n-Nonane	95708	120222	1.00	25.00	1000.7	1000	1000	NA	0.013	NA	NA	NA	1000.0	4.2	111-84-2	200 ppm (1050mg/m ³ 8H)	ivn-mus 218mg/kg
4.	n-Decane	95708	120222	1.00	25.00	1000.9	1000	1000	NA	0.013	NA	NA	NA	1000.2	4.2	124-18-5	N/A	N/A
5.	n-Dodecane	95708	120222	1.00	25.00	1000.7	1000	1000	NA	0.013	NA	NA	NA	1000.0	4.2	112-40-3	N/A	ivn-mus 3494mg/kg
6.	n-Tetradecane	95708	120222	1.00	25.00	1002.1	1000	1000	NA	0.013	NA	NA	NA	1001.3	4.2	629-59-4	N/A	N/A
7.	n-Hexadecane	95708	120222	1.00	25.00	1000.5	1000	1000	NA	0.013	NA	NA	NA	999.7	4.2	544-76-3	N/A	N/A
8.	n-Octadecane	95708	120222	1.00	25.00	1001.0	1000	1000	NA	0.013	NA	NA	NA	1000.3	4.1	583-45-3	N/A	N/A
9.	n-Eicosane	95708	120222	1.00	25.00	1001.0	1000	1000	NA	0.013	NA	NA	NA	1000.3	4.2	112-95-8	N/A	N/A
10.	n-Henicosane	95708	120222	1.00	25.00	1002.4	1000	1000	NA	0.013	NA	NA	NA	1001.6	4.2	629-94-7	N/A	N/A
11.	n-Docosane	95708	120222	1.00	25.00	1001.9	1000	1000	NA	0.013	NA	NA	NA	1001.2	4.2	629-97-0	N/A	N/A
12.	n-Tetracosane	95708	120222	1.00	25.00	1000.8	1000	1000	NA	0.013	NA	NA	NA	1000.1	4.2	646-31-1	N/A	N/A
13.	n-Hexacosane	95708	120222	1.00	25.00	1001.2	1000	1000	NA	0.013	NA	NA	NA	1000.4	4.2	630-01-3	N/A	N/A
14.	n-Octacosane	95708	120222	1.00	25.00	1000.5	1000	1000	NA	0.013	NA	NA	NA	999.8	4.2	630-02-4	N/A	N/A
15.	n-Triacontane	95708	120222	1.00	25.00	1000.5	1000	1000	NA	0.013	NA	NA	NA	999.8	4.2	638-68-6	N/A	N/A
16.	n-Dotriacontane	95708	120222	1.00	25.00	1000.5	1000	1000	NA	0.013	NA	NA	NA	999.8	4.3	544-85-4	N/A	ivn-mus 100mg/kg
17.	n-Tetracontane	95708	120222	1.00	25.00	1000.4	1000	1000	NA	0.013	NA	NA	NA	999.7	4.2	14167-59-0	N/A	N/A
18.	n-Hexatriacontane	95708	120222	1.00	25.00	1001.5	1000	1000	NA	0.013	NA	NA	NA	1000.8	4.2	630-08-8	N/A	N/A
19.	n-Octatriacontane	95708	120222	1.00	25.00	1000.3	1000	1000	NA	0.013	NA	NA	NA	999.6	4.3	7184-86-6	N/A	N/A
20.	n-Tetracontane	95708	120222	1.00	25.00	1000.6	1000	1000	NA	0.013	NA	NA	NA	999.9	4.3	4181-95-7	N/A	N/A

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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. : 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:

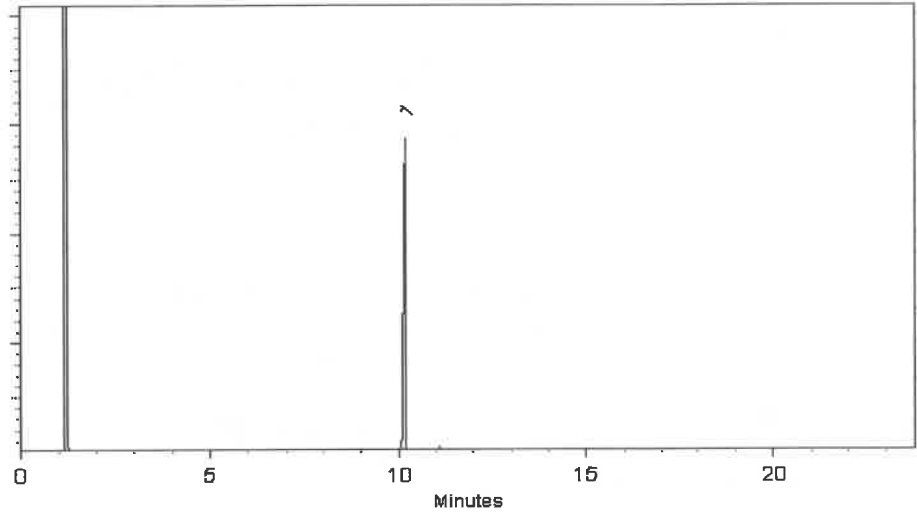
FID

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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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. : 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:

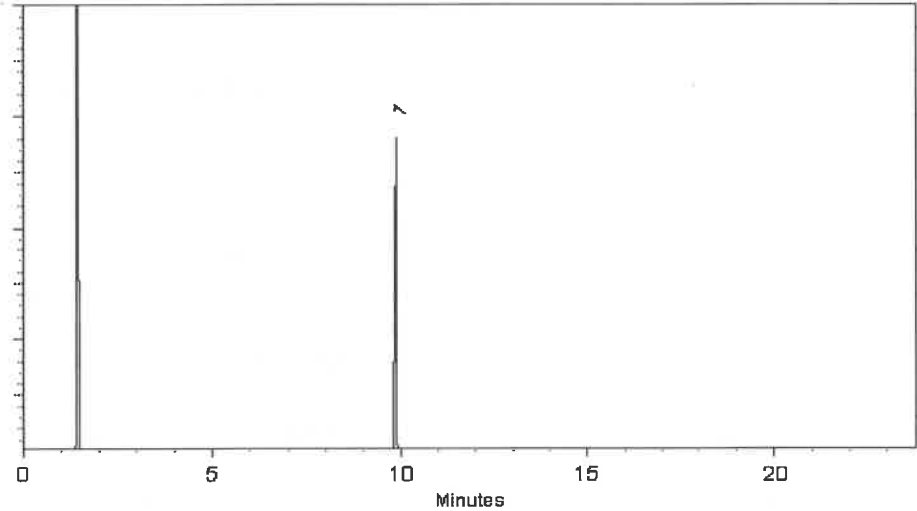
FID

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:

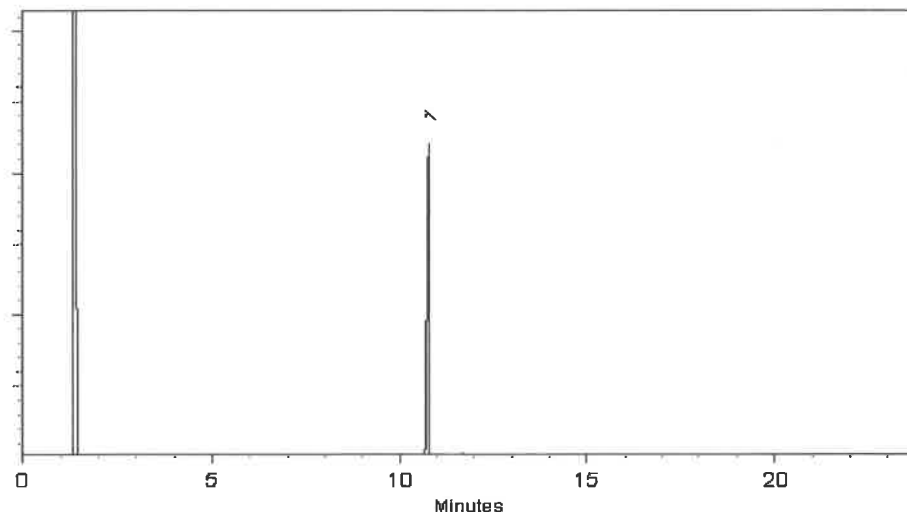
FID

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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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

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Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

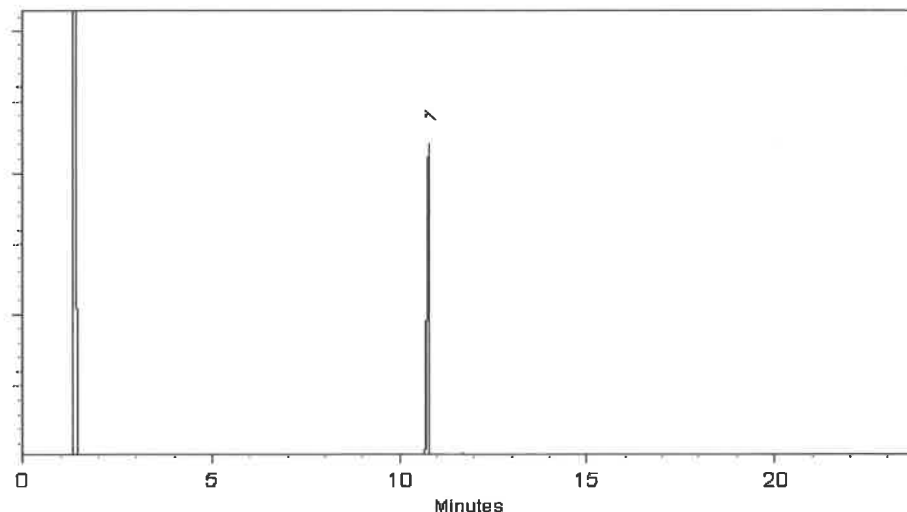
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



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Sam Moodler

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P14028
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P14042 } RC/
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250°C

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330°C

Det. Type:

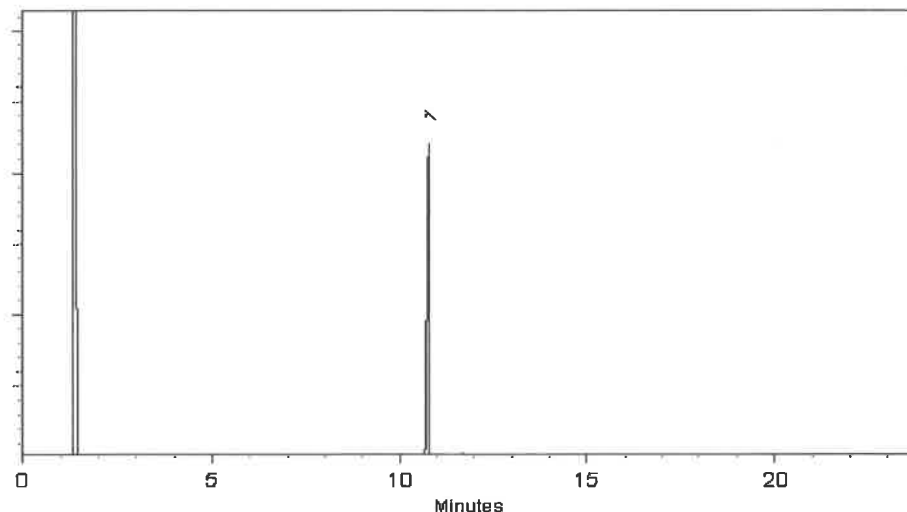
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Det. Temp:

330°C

Det. Type:

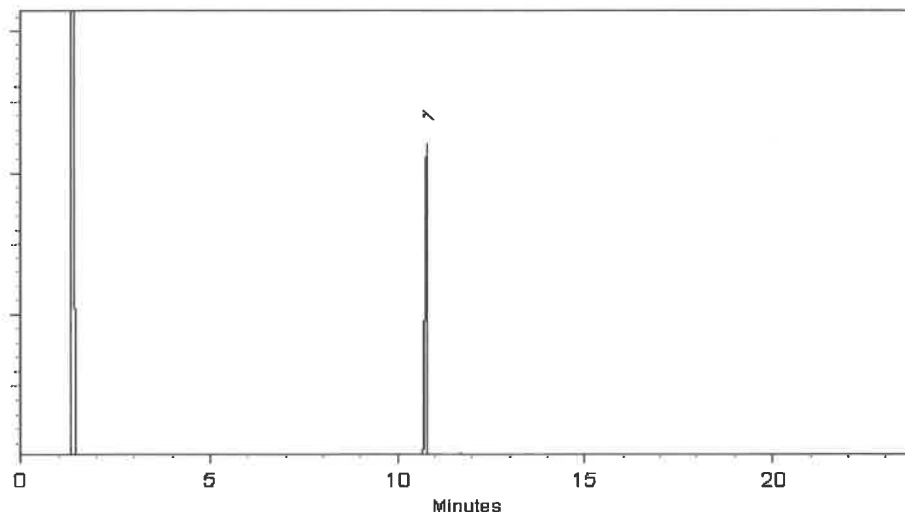
FID

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Inj. Vol

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Expiration Date : June 30, 2032 **Storage:** 10°C or colder

Ship: Ambient

P14028
↓
P14042 } RC/
6/2/25

CERTIFIED VALUES

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Purity 99%

Quality Confirmation Test

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Rtx-5 (cat.#10223)

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250°C

Det. Temp:

330°C

Det. Type:

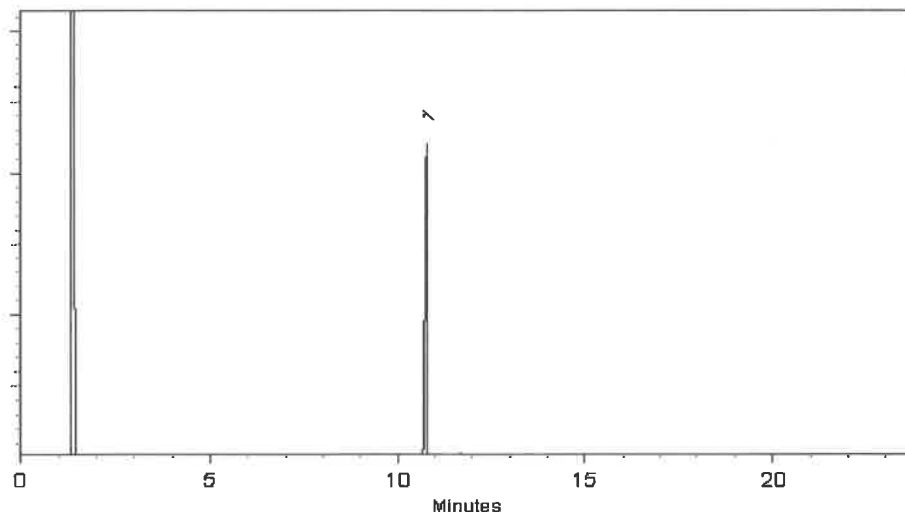
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl



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Sam Moodler

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Date Mixed: 08-May-2025

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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
1
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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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
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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
RAU
10/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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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

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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
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RAU
10/21/25

CERTIFIED VALUES

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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)
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P14234
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 JB
OP4421 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

186 Arlington Blvd

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

Chemtech Project Number

COC Number

North Arlington

CLIENT INFORMATION				PROJECT INFORMATION				BILLING INFORMATION													
Report to be sent to:				PROJECT NAME:				BILL TO:													
COMPANY:				PROJECT #:				PO#:													
ADDRESS:				LOCATION:				ADDRESS:													
CITY:				PROJECT MANAGER:				CITY:													
STATE:				E-MAIL:				STATE:													
ZIP:				PHONE:				ZIP:													
ATTENTION:				FAX:				ATTENTION:													
PHONE:				FAX:				PHONE:													
DATA TURNAROUND INFORMATION				DATA DELIVERABLE INFORMATION				ANALYSIS													
FAX (RUSH) _____ DAYS*				☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data) ☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA OLP ☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ EDD FORMAT _____ ☐ Other _____																	
HARDCOPY (DATA PACKAGE): _____ DAYS*																					
EDD: _____ DAYS*																					
*TO BE APPROVED BY CHEMTECH																					
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS																					
CHEMTECH		PROJECT		SAMPLE MATRIX		SAMPLE TYPE		SAMPLE COLLECTION		PRESERVATIVES									COMMENTS		
SAMPLE ID	SAMPLE IDENTIFICATION			DATE	TIME	# of Bottles				1	2	3	4	5	6	7	8	9	A-HCl	D-NaOH	
1.	WASTE			11/17	2	1				X									B-HNO3	E-ICE	
2.	VOC				8:30	1					X								C-H2SO4	F-OTHER	
3.	1				9:45	1						X									
4.	2				9:30	1						X									
5.	3				10:15	1						X									
6.	4				10:15	1						X									
7.	5				10:15	1						X									
8.																					
9.																					
10.																					
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY																					
RELINQUISHED BY SAMPLER		DATE/TIME 11-17-2025 14:00		RECEIVED BY [Signature]		Conditions of bottles or casks at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.4°C															
1.		DATE/TIME		RECEIVED BY		Comments:															
RELINQUISHED BY		DATE/TIME		RECEIVED BY																	
2.		DATE/TIME		RECEIVED BY																	
RELINQUISHED BY		DATE/TIME 11-17-2025 15:15		RECEIVED FOR LAB BY [Signature]		Page _____ of _____		CLIENT: ☐ Hand Delivered ☐ Other: _____							CHEMTECH: ☐ Picked Up						
3.		DATE/TIME		RECEIVED BY				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 : Q3661	SCIA01	Order Date : 11/17/2025 2:41:00 PM	Project Mgr :
Client Name : Sciacca General Contractor		Project Name : 186 Arlington Blvd, North /	Report Type : Results Only
Client Contact : Rosanne Scirica		Receive DateTime : 11/17/2025 3:15:00 PM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Sciacca General Contractor		Purchase Order :	Hard Copy Date :
Invoice Contact : Rosanne Scirica			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3661-02	VOC	Solid	11/17/2025	08:35	VOC-TCLVOA-10		8260D	10 Bus. Days	

JAN

*Stored in VOA
FRZ # 02 after preservation*

Relinquished By : *[Signature]*
Date / Time : 11-17-2025 1540

Received By : *[Signature]*
Date / Time : 11-17-25 15:40

Storage Area : VOA Refridgerator Room