

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:	Q3474	OrderDate:	10/27/2025 1:27:00 PM
Client:	Sciacca General Contractors, LLC	Project:	7 Rynda Road, Maplewood
Contact:	Rosanne Scirica	Location:	J31,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3474-01	WASTE	SOIL			10/27/25			10/27/25
			TPH GC	8015D		10/29/25	10/30/25	
Q3474-03	1	Solid			10/27/25			10/27/25
			EPH_F2	NJEPH		11/03/25	11/03/25	
Q3474-04	2	Solid			10/27/25			10/27/25
			EPH_F2	NJEPH		11/03/25	11/03/25	
Q3474-05	3	Solid			10/27/25			10/27/25
			EPH_F2	NJEPH		11/03/25	11/04/25	
Q3474-06	4	Solid			10/27/25			10/27/25
			EPH_F2	NJEPH		11/03/25	11/03/25	
Q3474-07	5	Solid			10/27/25			10/27/25
			EPH_F2	NJEPH		11/03/25	11/03/25	



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: SCIA01
Lab Code: ACE SDG No.: Q3474
Run Number: FC110325AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB170385BL	63	66		0
PB170385BS	68	66		0
PB170385BSD	68	66		0
1	56	54		0
2	54	50		0
4	57	52		0
5	44	41		0
5MS	41	38 *		1
5MSD	40	37 *		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

Lab Name: Alliance Contract: SCIA01
 Lab Code: ACE SDG No.: Q3474
 Run Number: FE110425AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)	TOT OUT
3	60	83	0

QC LIMITS

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

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

SOIL EPH SURROGATE RECOVERY

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

D Surrogate diluted out

SOLID EPH_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>Q3474</u>
Sample No :	<u>Q3474-07MS</u>	Datafile:	<u>FC070131.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	34.9	47.3	70.3	66		(40-140)
Aliphatic C9-C28	116.3	10.6	81.7	61		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	3.9	0.0039	2.6030	67		(40-140)
n-Decane (C10)	3.9	0.0122	2.6214	67		(40-140)
Naphthalene (C11.7)	3.9	0.0265	2.9559	75		(40-140)
n-Dodecane (C12)	3.9	0.0113	2.6230	67		(40-140)
2-methylnaphthalene (C12.89)	3.9	0.0287	2.7093	69		(40-140)
n-Tetradecane (C14)	3.9	0.0263	2.5734	65		(40-140)
n-Hexadecane (C16)	3.9	0.0282	2.4190	61		(40-140)
n-Octadecane (C18)	3.9	0.0477	2.3670	59		(40-140)
n-Eicosane (C20)	3.9	0.0849	2.4923	62		(40-140)
n-Heneicosane (C21)	3.9	0.0671	2.4968	62		(40-140)
n-Docosane (C22)	3.9	0.0994	2.5126	62		(40-140)
n-Tetracosane (C24)	7.7	0.3718	8.0902	100		(40-140)
n-Hexacosane (C26)	3.9	0.0676	2.4111	60		(40-140)
n-Octacosane (C28)	3.9	0.2021	2.5982	61		(40-140)
n-Tricontane (C30)	3.9	0.3823	2.6071	57		(40-140)
n-Dotriacontane (C32)	3.9	1.1006	3.2168	54		(40-140)
n-Tetratriacontane (C34)	3.9	0.9772	3.6251	68		(40-140)
n-Hexatriacontane (C36)	3.9	1.5890	4.8564	84		(40-140)
n-Octatriacontane (C38)	3.9	0.8826	4.5862	95		(40-140)
n-Tetracontane (C40)	3.9	0.7997	4.1204	85		(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>Q3474</u>
Sample No :	<u>Q3474-07MSD</u>	Datafile:	<u>FC070132.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	34.8	47.3	71.4	69		4.74 (40-140) 50
Aliphatic C9-C28	116.2	10.6	79.0	59		3.8 (40-140) 50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%) QC Limit Of RPD
n-Nonane (C9)	3.9	0.0039	2.5604	66		1.5 (40-140) 50
n-Decane (C10)	3.9	0.0122	2.5739	66		1.5 (40-140) 50
Naphthalene (C11.7)	3.9	0.0265	2.9051	74		1.34 (40-140) 50
n-Dodecane (C12)	3.9	0.0113	2.5743	66		1.5 (40-140) 50
2-methylnaphthalene (C12.89)	3.9	0.0287	2.6605	67		2.94 (40-140) 50
n-Tetradecane (C14)	3.9	0.0263	2.5274	64		1.55 (40-140) 50
n-Hexadecane (C16)	3.9	0.0282	2.3697	60		1.65 (40-140) 50
n-Octadecane (C18)	3.9	0.0477	2.3199	58		1.71 (40-140) 50
n-Eicosane (C20)	3.9	0.0849	2.4438	60		3.28 (40-140) 50
n-Heneicosane (C21)	3.9	0.0671	2.4497	61		1.63 (40-140) 50
n-Docosane (C22)	3.9	0.0994	2.4727	61		1.63 (40-140) 50
n-Tetracosane (C24)	7.7	0.3718	8.0266	99		1.01 (40-140) 50
n-Hexacosane (C26)	3.9	0.0676	2.3807	59		1.68 (40-140) 50
n-Octacosane (C28)	3.9	0.2021	2.5391	60		1.65 (40-140) 50
n-Tricontane (C30)	3.9	0.3823	2.6052	57		0 (40-140) 50
n-Dotriacontane (C32)	3.9	1.1006	3.3189	57		5.41 (40-140) 50
n-Tetratriacontane (C34)	3.9	0.9772	3.5931	67		1.48 (40-140) 50
n-Hexatriacontane (C36)	3.9	1.5890	4.8571	84		0 (40-140) 50
n-Octatriacontane (C38)	3.9	0.8826	4.4380	91		4.3 (40-140) 50
n-Tetracontane (C40)	3.9	0.7997	4.2262	88		3.47 (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>Q3474</u>
Sample No :	<u>PB170385BS</u>	Datafile:	<u>FC070124.D</u>
		Client ID :	<u>PB170385BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	30.0	20.3	68		(40-140)
Aliphatic C9-C28	100.1	57.2	58		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	2.21176	67		(40-140)
n-Decane (C10)	3.3	2.24679	68		(40-140)
Naphthalene (C11.7)	3.3	2.36652	72		(40-140)
n-Dodecane (C12)	3.3	2.21999	67		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.19958	67		(40-140)
n-Tetradecane (C14)	3.3	2.14785	65		(40-140)
n-Hexadecane (C16)	3.3	2.03845	62		(40-140)
n-Octadecane (C18)	3.3	1.98064	60		(40-140)
n-Eicosane (C20)	3.3	2.09872	64		(40-140)
n-Heneicosane (C21)	3.3	2.05024	62		(40-140)
n-Docosane (C22)	3.3	2.02039	61		(40-140)
n-Tetracosane (C24)	6.7	3.98171	59		(40-140)
n-Hexacosane (C26)	3.3	1.98206	60		(40-140)
n-Octacosane (C28)	3.3	2.02473	61		(40-140)
n-Tricontane (C30)	3.3	2.01884	61		(40-140)
n-Dotriacontane (C32)	3.3	2.07729	63		(40-140)
n-Tetratriacontane (C34)	3.3	2.33103	71		(40-140)
n-Hexatriacontane (C36)	3.3	2.36456	72		(40-140)
n-Octatriacontane (C38)	3.3	2.14231	65		(40-140)
n-Tetracontane (C40)	3.3	1.70777	52		(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>Q3474</u>
Sample No :	<u>PB170385BSD</u>	Datafile:	<u>FC070125.D</u>
		Client ID :	<u>PB170385BSD</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	20.7	69		2 (40-140) 25
Aliphatic C9-C28	99.9	57.3	59		0.232 (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	2.23524	68		1.48 (40-140) 25
n-Decane (C10)	3.3	2.26501	69		1.46 (40-140) 25
Naphthalene (C11.7)	3.3	2.35760	71		1.4 (40-140) 25
n-Dodecane (C12)	3.3	2.23121	68		1.48 (40-140) 25
2-methylnaphthalene (C12.89)	3.3	2.19180	66		1.5 (40-140) 25
n-Tetradecane (C14)	3.3	2.15529	65		0 (40-140) 25
n-Hexadecane (C16)	3.3	2.04585	62		0 (40-140) 25
n-Octadecane (C18)	3.3	1.98893	60		0 (40-140) 25
n-Eicosane (C20)	3.3	2.10553	64		0 (40-140) 25
n-Heneicosane (C21)	3.3	2.05374	62		0 (40-140) 25
n-Docosane (C22)	3.3	2.01899	61		0 (40-140) 25
n-Tetracosane (C24)	6.7	3.98368	59		0 (40-140) 25
n-Hexacosane (C26)	3.3	1.97023	60		0 (40-140) 25
n-Octacosane (C28)	3.3	2.00210	61		0 (40-140) 25
n-Tricontane (C30)	3.3	2.01243	61		0 (40-140) 25
n-Dotriacontane (C32)	3.3	2.08919	63		0 (40-140) 25
n-Tetratriacontane (C34)	3.3	2.35717	71		0 (40-140) 25
n-Hexatriacontane (C36)	3.3	2.41186	73		1.38 (40-140) 25
n-Octatriacontane (C38)	3.3	2.17411	66		1.53 (40-140) 25
n-Tetracontane (C40)	3.3	1.73485	53		1.9 (40-140) 25

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB170385BL

Lab Name: Alliance

Contract: SCIA01

Lab Code: ACE

SDG NO.: Q3474

Instrument ID: FID_C

Lab Sample ID: PB170385BL

Matrix: (soil/water) Solid

Date Extracted: 11/3/2025 9:40:00 A

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB170385BS	PB170385BS
PB170385BSD	PB170385BSD
1	Q3474-03
2	Q3474-04
3	Q3474-05
4	Q3474-06
5	Q3474-07
5MS	Q3474-07MS
5MSD	Q3474-07MSD

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	10/27/25
Project:	7 Rynda Road, Maplewood	Date Received:	10/27/25
Client Sample ID:	1	SDG No.:	Q3474
Lab Sample ID:	Q3474-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.04 g	Test:	EPH_F2
Prep Method :	Final Vol: 2000 uL Prep Date : 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C28	Aliphatic C9-C28	16.3		1	1.08	4.75	mg/kg	FC070126.D	11/03/25 17:38	PB170385
Total EPH	Total EPH	16.3			1.08	4.75	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:	10/27/25
Project:	7 Rynda Road, Maplewood	Date Received:	10/27/25
Client Sample ID:	1	SDG No.:	Q3474
Lab Sample ID:	Q3474-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.04 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_F2
	Prep Date	11/03/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	16.3	1		1.08	4.75	mg/kg	11/03/25	PB170385
Aliphatic C28-C40	Aliphatic C28-C40	62.5	E 1		1.40	2.37	mg/kg	11/03/25	PB170385
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	28.2			40 - 140	56%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.0			40 - 140	54%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3474-03	Acq On:	03 Nov 2025 17:38
Client Sample ID:	1	Operator:	YP/AJ
Data file:	FC070126.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.571	2030309	14.023	300	ug/ml
Aliphatic C12-C16	6.572	9.972	2516775	15.367	200	ug/ml
Aliphatic C16-C21	9.973	13.339	9568567	59.085	300	ug/ml
Aliphatic C21-C28	13.340	17.004	17225393	117.066	400	ug/ml
Aliphatic C28-C40	17.005	21.958	85010560	790.062	600	ug/ml
Aliphatic EPH	3.277	21.958	116351604	995.603		ug/ml
ortho-Terphenyl (SURR)	11.640	11.640	4747545	27.04		ug/ml
1-chlorooctadecane (SURR)	13.074	13.074	3830737	28.22		ug/ml
Aliphatic C9-C28	3.277	17.004	31341044	205.541	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
 Data File : FC070126.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2025 17:38
 Operator : YP/AJ
 Sample : Q3474-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 1

Integration File: autoint1.e
 Quant Time: Nov 04 03:30:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 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)	11.640	4747545	27.036 ug/ml
Spiked Amount 50.000		Recovery =	54.07%
12) S 1-chlorooctadecane (S...	13.074	3830737	28.221 ug/ml
Spiked Amount 50.000		Recovery =	56.44%

Target Compounds

(f)=RT Delta > 1/2 Window

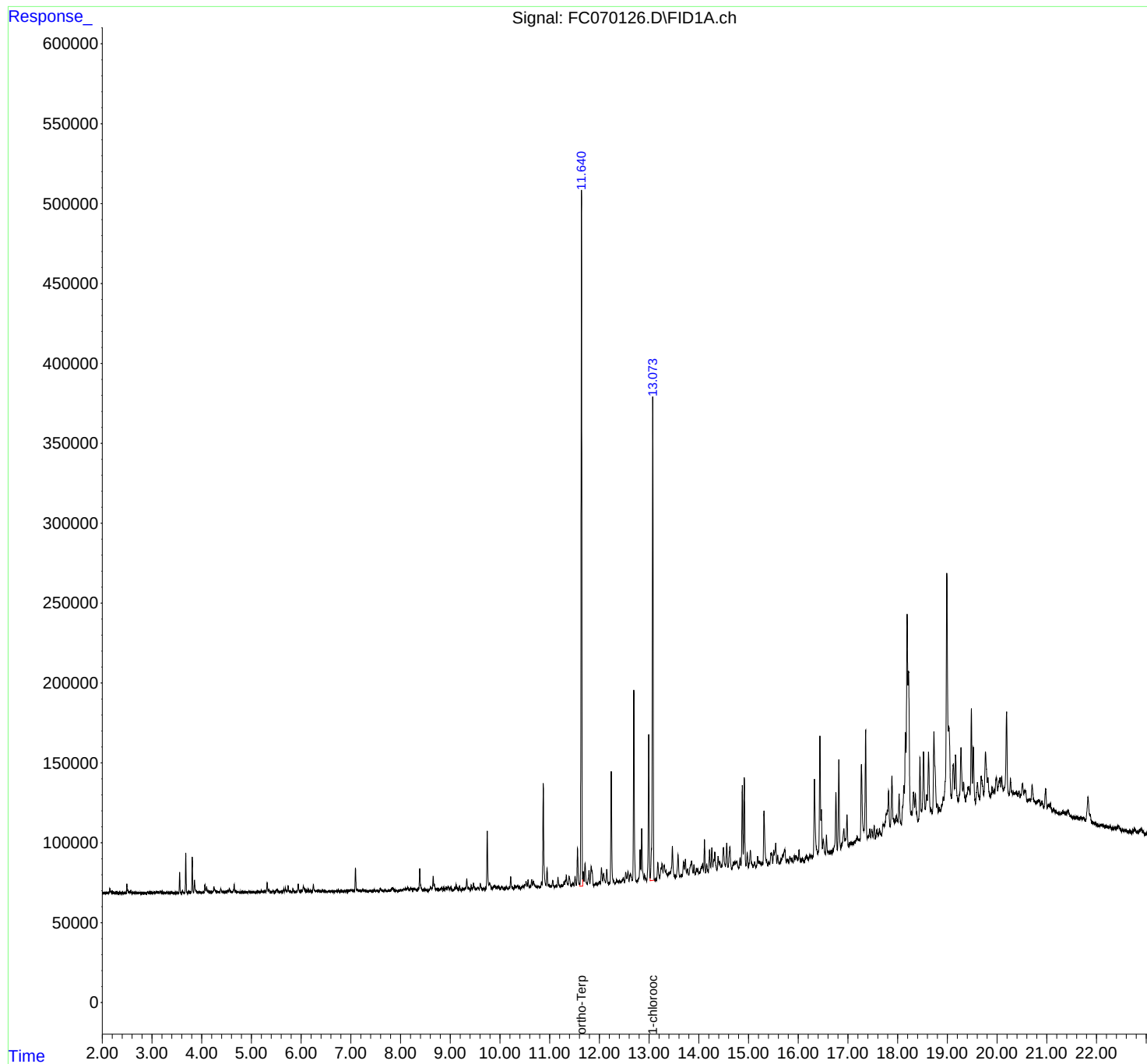
(m)=manual int.

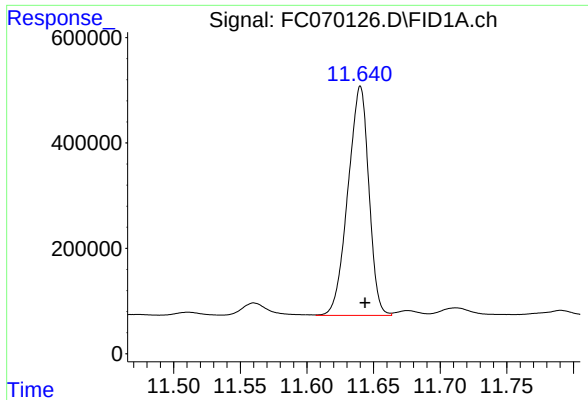
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
Data File : FC070126.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 17:38
Operator : YP/AJ
Sample : Q3474-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
1

Integration File: autoint1.e
Quant Time: Nov 04 03:30:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

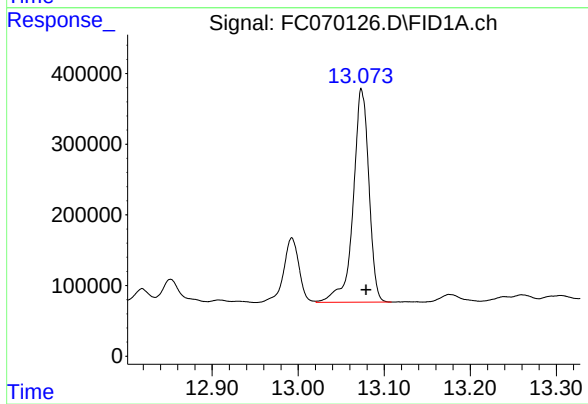




#9 ortho-Terphenyl (SURR)

R.T.: 11.640 min
Delta R.T.: -0.004 min
Response: 4747545
Conc: 27.04 ug/ml

Instrument :
FID_C
ClientSampleId :
1



#12 1-chlorooctadecane (SURR)

R.T.: 13.074 min
Delta R.T.: -0.005 min
Response: 3830737
Conc: 28.22 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
 Data File : FC070126.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2025 17:38
 Sample : Q3474-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.252	3.204	3.272	BV	21	-1758	-0.04%	-0.001%
2	3.315	3.272	3.362	PV	353	7859	0.17%	0.006%
3	3.379	3.362	3.389	PV	368	3413	0.07%	0.003%
4	3.400	3.389	3.443	VV	234	3936	0.08%	0.003%
5	3.475	3.443	3.494	VV	156	2870	0.06%	0.002%
6	3.514	3.494	3.534	VV	148	2354	0.05%	0.002%
7	3.557	3.534	3.590	VV	12995	113357	2.39%	0.090%
8	3.615	3.590	3.636	PV	1429	13913	0.29%	0.011%
9	3.649	3.636	3.657	VV	204	1780	0.04%	0.001%
10	3.681	3.657	3.724	VV	25052	217466	4.58%	0.173%
11	3.748	3.724	3.778	VV	605	12383	0.26%	0.010%
12	3.811	3.778	3.835	VV	22467	204989	4.31%	0.163%
13	3.856	3.835	3.937	VV	8075	117660	2.48%	0.094%
14	3.962	3.937	3.994	VV	563	12070	0.25%	0.010%
15	4.004	3.994	4.029	VV	286	5233	0.11%	0.004%
16	4.064	4.029	4.084	VV	5207	63562	1.34%	0.051%
17	4.100	4.084	4.181	VV	3869	73706	1.55%	0.059%
18	4.246	4.181	4.360	VV	3905	110399	2.32%	0.088%
19	4.384	4.360	4.415	VV	2343	42529	0.90%	0.034%
20	4.424	4.415	4.437	VV	654	7653	0.16%	0.006%
21	4.450	4.437	4.481	VV	869	14420	0.30%	0.012%
22	4.497	4.481	4.508	VV	596	7755	0.16%	0.006%
23	4.527	4.508	4.540	VV	1586	18810	0.40%	0.015%
24	4.556	4.540	4.586	VV	2946	39282	0.83%	0.031%
25	4.600	4.586	4.621	VV	647	10945	0.23%	0.009%
26	4.653	4.621	4.719	VV	5246	89143	1.88%	0.071%
27	4.731	4.719	4.771	VV	536	10184	0.21%	0.008%
28	4.802	4.771	4.828	VV	480	12807	0.27%	0.010%
29	4.837	4.828	4.847	VV	333	3440	0.07%	0.003%
30	4.858	4.847	4.887	VV	309	5796	0.12%	0.005%
31	4.952	4.887	4.969	VV	1084	19158	0.40%	0.015%
32	4.982	4.969	5.000	VV	429	4485	0.09%	0.004%
33	5.026	5.000	5.065	VV	577	10678	0.22%	0.009%
34	5.095	5.065	5.108	PV	372	6167	0.13%	0.005%
35	5.129	5.108	5.164	VV	1049	17078	0.36%	0.014%
36	5.200	5.164	5.241	VV	975	24815	0.52%	0.020%

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37	5.257	5.241	5.271	VV	700	8754	0.18%	0.007%
38	5.281	5.271	5.293	VV	646	6545	0.14%	0.005%
39	5.317	5.293	5.338	VV	6221	72161	1.52%	0.058%
40	5.353	5.338	5.399	VV	2006	27062	0.57%	0.022%
41	5.409	5.399	5.418	VV	108	1090	0.02%	0.001%
42	5.433	5.418	5.466	VV	1158	14897	0.31%	0.012%
43	5.517	5.466	5.580	VV	1710	47348	1.00%	0.038%
44	5.599	5.580	5.624	VV	563	7903	0.17%	0.006%
45	5.652	5.624	5.668	VV	2288	23598	0.50%	0.019%
46	5.685	5.668	5.719	VV	2913	40444	0.85%	0.032%
47	5.739	5.719	5.811	VV	4120	59029	1.24%	0.047%
48	5.835	5.811	5.875	VV	1941	27897	0.59%	0.022%
49	5.942	5.875	5.991	VV	5161	79881	1.68%	0.064%
50	6.046	5.991	6.118	VV	3828	104807	2.21%	0.084%
51	6.144	6.118	6.164	VV	1573	22907	0.48%	0.018%
52	6.184	6.164	6.204	VV	899	15798	0.33%	0.013%
53	6.214	6.204	6.223	VV	539	5005	0.11%	0.004%
54	6.247	6.223	6.301	VV	4589	70882	1.49%	0.057%
55	6.320	6.301	6.331	VV	1106	14075	0.30%	0.011%
56	6.341	6.331	6.380	VV	879	20020	0.42%	0.016%
57	6.397	6.380	6.406	VV	430	5487	0.12%	0.004%
58	6.429	6.406	6.458	VV	886	15805	0.33%	0.013%
59	6.471	6.458	6.501	VV	606	9799	0.21%	0.008%
60	6.551	6.501	6.578	VV	723	17020	0.36%	0.014%
61	6.594	6.578	6.658	VV	423	13258	0.28%	0.011%
62	6.677	6.658	6.691	VV	409	5301	0.11%	0.004%
63	6.695	6.691	6.706	VV	406	2776	0.06%	0.002%
64	6.721	6.706	6.732	VV	601	6088	0.13%	0.005%
65	6.748	6.732	6.778	VV	1091	13415	0.28%	0.011%
66	6.804	6.778	6.838	PV	777	15442	0.32%	0.012%
67	6.876	6.838	6.894	VV	473	10245	0.22%	0.008%
68	6.907	6.894	6.921	VV	346	3496	0.07%	0.003%
69	6.947	6.921	6.981	VV	677	16091	0.34%	0.013%
70	6.997	6.981	7.028	VV	908	20141	0.42%	0.016%
71	7.038	7.028	7.058	VV	683	10028	0.21%	0.008%
72	7.094	7.058	7.121	VV	14857	165067	3.47%	0.132%
73	7.133	7.121	7.165	VV	1236	24368	0.51%	0.019%
74	7.175	7.165	7.213	VV	793	15614	0.33%	0.012%
75	7.238	7.213	7.255	VV	1625	18907	0.40%	0.015%
76	7.270	7.255	7.288	VV	804	11376	0.24%	0.009%
77	7.298	7.288	7.337	VV	505	8654	0.18%	0.007%
78	7.346	7.337	7.361	VV	228	2233	0.05%	0.002%
79	7.397	7.361	7.415	VV	741	11607	0.24%	0.009%
80	7.471	7.415	7.504	VV	957	22223	0.47%	0.018%
81	7.524	7.504	7.560	VV	605	9533	0.20%	0.008%
82	7.591	7.560	7.667	VV	1963	38054	0.80%	0.030%
83	7.689	7.667	7.714	VV	1174	15514	0.33%	0.012%
84	7.763	7.714	7.785	VV	472	10502	0.22%	0.008%
85	7.833	7.785	7.914	VV	1881	69710	1.47%	0.056%
86	7.929	7.914	7.956	VV	397	5792	0.12%	0.005%
87	7.999	7.956	8.027	VV	516	15287	0.32%	0.012%
88	8.064	8.027	8.079	VV	1283	22433	0.47%	0.018%
89	8.100	8.079	8.121	VV	1773	28501	0.60%	0.023%

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90	8.144	8.121	8.181	VV	2118	47020	0.99%	0.038%
91	8.201	8.181	8.214	VV	1674	22868	0.48%	0.018%
92	8.224	8.214	8.248	VV	1432	20389	0.43%	0.016%
93	8.270	8.248	8.289	VV	1792	28211	0.59%	0.022%
94	8.298	8.289	8.326	VV	1037	17273	0.36%	0.014%
95	8.348	8.326	8.356	VV	829	13249	0.28%	0.011%
96	8.386	8.356	8.454	VV	14052	204309	4.30%	0.163%
97	8.479	8.454	8.511	VV	1011	22025	0.46%	0.018%
98	8.523	8.511	8.555	VV	637	8072	0.17%	0.006%
99	8.606	8.555	8.628	PV	2471	46452	0.98%	0.037%
100	8.657	8.628	8.672	VV	8979	114024	2.40%	0.091%
101	8.680	8.672	8.706	VV	4087	45738	0.96%	0.036%
102	8.741	8.706	8.782	VV	1182	33627	0.71%	0.027%
103	8.802	8.782	8.813	VV	938	14132	0.30%	0.011%
104	8.831	8.813	8.850	VV	2020	25900	0.55%	0.021%
105	8.868	8.850	8.884	VV	1842	21159	0.45%	0.017%
106	8.916	8.884	8.937	VV	1773	35136	0.74%	0.028%
107	8.957	8.937	8.980	VV	2658	41461	0.87%	0.033%
108	9.012	8.980	9.057	VV	1790	41996	0.88%	0.033%
109	9.090	9.057	9.103	PV	1813	20748	0.44%	0.017%
110	9.119	9.103	9.168	VV	3477	58225	1.23%	0.046%
111	9.187	9.168	9.228	VV	2488	28564	0.60%	0.023%
112	9.248	9.228	9.283	VV	999	20169	0.42%	0.016%
113	9.332	9.283	9.404	VV	6879	122230	2.57%	0.097%
114	9.423	9.404	9.446	VV	2200	29657	0.62%	0.024%
115	9.468	9.446	9.521	VV	4228	66125	1.39%	0.053%
116	9.557	9.521	9.581	VV	1157	26649	0.56%	0.021%
117	9.605	9.581	9.657	VV	3793	60918	1.28%	0.049%
118	9.676	9.657	9.695	VV	737	9489	0.20%	0.008%
119	9.745	9.695	9.778	VV	36519	453854	9.55%	0.362%
120	9.793	9.778	9.854	VV	4337	92055	1.94%	0.073%
121	9.890	9.854	9.939	VV	2334	74187	1.56%	0.059%
122	9.961	9.939	10.010	VV	1438	39208	0.83%	0.031%
123	10.037	10.010	10.079	VV	1469	25670	0.54%	0.020%
124	10.099	10.079	10.110	VV	795	8768	0.18%	0.007%
125	10.133	10.110	10.158	VV	1067	18232	0.38%	0.015%
126	10.186	10.158	10.196	VV	1056	13173	0.28%	0.011%
127	10.217	10.196	10.279	VV	7684	106022	2.23%	0.085%
128	10.298	10.279	10.314	VV	1579	21272	0.45%	0.017%
129	10.325	10.314	10.338	VV	1107	14620	0.31%	0.012%
130	10.355	10.338	10.379	VV	1791	32431	0.68%	0.026%
131	10.391	10.379	10.414	VV	1023	13047	0.27%	0.010%
132	10.462	10.414	10.479	PV	1475	34333	0.72%	0.027%
133	10.497	10.479	10.508	VV	2507	31772	0.67%	0.025%
134	10.526	10.508	10.547	VV	4310	69683	1.47%	0.056%
135	10.565	10.547	10.594	VV	5368	73749	1.55%	0.059%
136	10.608	10.594	10.618	VV	1371	16074	0.34%	0.013%
137	10.638	10.618	10.654	VV	5343	67509	1.42%	0.054%
138	10.672	10.654	10.753	VV	3934	107384	2.26%	0.086%
139	10.769	10.753	10.786	VV	1234	16014	0.34%	0.013%
140	10.798	10.786	10.808	VV	571	6420	0.14%	0.005%
141	10.835	10.808	10.847	VV	3469	42628	0.90%	0.034%

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142	10.871	10.847	10.925	VV	65157	851770	17.93%	0.679%
143	10.948	10.925	10.973	VV	11986	155590	3.27%	0.124%
144	10.983	10.973	11.016	VV	1709	30811	0.65%	0.025%
145	11.061	11.016	11.099	VV	4324	69839	1.47%	0.056%
146	11.129	11.099	11.146	VV	1265	19752	0.42%	0.016%
147	11.167	11.146	11.209	VV	5941	84824	1.79%	0.068%
148	11.242	11.209	11.261	VV	1094	20019	0.42%	0.016%
149	11.287	11.261	11.300	VV	3241	41557	0.87%	0.033%
150	11.335	11.300	11.370	VV	7381	149006	3.14%	0.119%
151	11.391	11.370	11.430	VV	6377	120085	2.53%	0.096%
152	11.472	11.430	11.489	VV	1915	41391	0.87%	0.033%
153	11.511	11.489	11.535	VV	6201	82765	1.74%	0.066%
154	11.560	11.535	11.604	VV	23693	325491	6.85%	0.260%
155	11.640	11.604	11.664	VV	439019	4751801	100.00%	3.790%
156	11.676	11.664	11.691	VV	9066	102117	2.15%	0.081%
157	11.712	11.691	11.758	VV	14225	239973	5.05%	0.191%
158	11.791	11.758	11.809	VV	9429	144881	3.05%	0.116%
159	11.836	11.809	11.889	VV	11778	289269	6.09%	0.231%
160	11.934	11.889	11.958	PV	1295	27243	0.57%	0.022%
161	12.004	11.958	12.021	VV	2303	47036	0.99%	0.038%
162	12.042	12.021	12.065	VV	10850	156713	3.30%	0.125%
163	12.085	12.065	12.124	VV	6845	142338	3.00%	0.114%
164	12.148	12.124	12.193	VV	9362	146774	3.09%	0.117%
165	12.238	12.193	12.311	VV	70226	936850	19.72%	0.747%
166	12.347	12.311	12.365	VV	2284	35530	0.75%	0.028%
167	12.375	12.365	12.384	VV	1128	12083	0.25%	0.010%
168	12.397	12.384	12.431	VV	1482	29218	0.61%	0.023%
169	12.485	12.431	12.504	VV	3110	70360	1.48%	0.056%
170	12.530	12.504	12.550	VV	6567	100442	2.11%	0.080%
171	12.575	12.550	12.596	VV	6968	115510	2.43%	0.092%
172	12.623	12.596	12.658	VV	4925	121792	2.56%	0.097%
173	12.693	12.658	12.750	VV	119755	1450241	30.52%	1.157%
174	12.819	12.750	12.833	VV	19929	273499	5.76%	0.218%
175	12.852	12.833	12.894	VV	33321	485110	10.21%	0.387%
176	12.908	12.894	12.950	VV	3818	66775	1.41%	0.053%
177	12.993	12.950	13.021	PV	90644	1134829	23.88%	0.905%
178	13.074	13.021	13.111	VV	299254	3835636	80.72%	3.059%
179	13.127	13.111	13.145	VV	484	7616	0.16%	0.006%
180	13.177	13.145	13.212	VV	10571	180697	3.80%	0.144%
181	13.260	13.212	13.279	VV	9876	245654	5.17%	0.196%
182	13.305	13.279	13.328	VV	8827	194031	4.08%	0.155%
183	13.338	13.328	13.375	VV	5047	100285	2.11%	0.080%
184	13.392	13.375	13.402	VV	3669	49656	1.04%	0.040%
185	13.469	13.402	13.528	VV	20030	443063	9.32%	0.353%
186	13.583	13.528	13.634	VV	14292	266030	5.60%	0.212%
187	13.651	13.634	13.667	VV	1689	23370	0.49%	0.019%
188	13.692	13.667	13.709	VV	9477	139405	2.93%	0.111%
189	13.730	13.709	13.754	VV	11049	182371	3.84%	0.145%
190	13.772	13.754	13.799	VV	4733	81196	1.71%	0.065%
191	13.856	13.799	13.884	VV	9101	275820	5.80%	0.220%
192	13.903	13.884	13.930	VV	7001	97728	2.06%	0.078%
193	13.953	13.930	13.966	VV	4676	60952	1.28%	0.049%
194	13.981	13.966	14.005	VV	4040	64557	1.36%	0.051%

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195	14.077	14.005	14.094	VV	7273	200420	4.22%	0.160%
196	14.115	14.094	14.138	VV	22035	268877	5.66%	0.214%
197	14.159	14.138	14.191	VV	6643	113461	2.39%	0.090%
198	14.217	14.191	14.239	VV	15195	233312	4.91%	0.186%
199	14.262	14.239	14.284	VV	16313	262070	5.52%	0.209%
200	14.322	14.284	14.363	VV	13585	348008	7.32%	0.278%
201	14.389	14.363	14.408	VV	10653	171358	3.61%	0.137%
202	14.423	14.408	14.447	VV	7263	130479	2.75%	0.104%
203	14.496	14.447	14.537	VV	15998	411985	8.67%	0.329%
204	14.561	14.537	14.588	VV	18296	285204	6.00%	0.227%
205	14.625	14.588	14.665	VV	15650	354428	7.46%	0.283%
206	14.725	14.665	14.737	VV	5552	189636	3.99%	0.151%
207	14.765	14.737	14.803	VV	6393	170904	3.60%	0.136%
208	14.829	14.803	14.847	VV	8035	126804	2.67%	0.101%
209	14.875	14.847	14.895	VV	52888	729567	15.35%	0.582%
210	14.915	14.895	14.949	VV	58021	796825	16.77%	0.635%
211	14.974	14.949	14.999	VV	10707	169192	3.56%	0.135%
212	15.037	14.999	15.093	VV	12068	298691	6.29%	0.238%
213	15.123	15.093	15.153	VV	4567	92587	1.95%	0.074%
214	15.183	15.153	15.202	VV	7816	128586	2.71%	0.103%
215	15.216	15.202	15.252	VV	4613	109019	2.29%	0.087%
216	15.270	15.252	15.284	VV	3410	56338	1.19%	0.045%
217	15.312	15.284	15.386	VV	35881	707468	14.89%	0.564%
218	15.408	15.386	15.428	VV	3076	61296	1.29%	0.049%
219	15.451	15.428	15.486	VV	8960	220090	4.63%	0.176%
220	15.507	15.486	15.518	VV	10659	139679	2.94%	0.111%
221	15.546	15.518	15.569	VV	14822	285711	6.01%	0.228%
222	15.586	15.569	15.615	VV	7240	113001	2.38%	0.090%
223	15.688	15.615	15.697	VV	7131	200884	4.23%	0.160%
224	15.726	15.697	15.759	VV	10207	266988	5.62%	0.213%
225	15.788	15.759	15.811	VV	3671	92587	1.95%	0.074%
226	15.831	15.811	15.856	VV	5481	105839	2.23%	0.084%
227	15.873	15.856	15.895	VV	4267	73176	1.54%	0.058%
228	15.919	15.895	15.934	VV	5814	90115	1.90%	0.072%
229	15.952	15.934	15.998	VV	5799	157551	3.32%	0.126%
230	16.015	15.998	16.057	VV	8859	162216	3.41%	0.129%
231	16.086	16.057	16.120	VV	3504	90492	1.90%	0.072%
232	16.169	16.120	16.207	VV	4797	168267	3.54%	0.134%
233	16.229	16.207	16.241	VV	4892	77343	1.63%	0.062%
234	16.255	16.241	16.270	VV	4351	70615	1.49%	0.056%
235	16.326	16.270	16.391	VV	51642	1103869	23.23%	0.880%
236	16.437	16.391	16.487	VV	78434	1640804	34.53%	1.309%
237	16.505	16.487	16.543	VV	13363	313210	6.59%	0.250%
238	16.568	16.543	16.591	VV	16265	272301	5.73%	0.217%
239	16.601	16.591	16.618	VV	6415	91667	1.93%	0.073%
240	16.636	16.618	16.646	VV	5242	87194	1.83%	0.070%
241	16.661	16.646	16.675	VV	5718	91031	1.92%	0.073%
242	16.692	16.675	16.703	VV	6340	98190	2.07%	0.078%
243	16.759	16.703	16.787	VV	42159	816926	17.19%	0.652%
244	16.817	16.787	16.854	VV	62607	989725	20.83%	0.789%
245	16.918	16.854	16.944	VV	19102	668712	14.07%	0.533%
246	16.982	16.944	17.011	VV	27721	636547	13.40%	0.508%

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247	17.028	17.011	17.041	VV	9462	160870	3.39%	0.128%
248	17.057	17.041	17.074	VV	10280	189592	3.99%	0.151%
249	17.096	17.074	17.109	VV	9705	190850	4.02%	0.152%
250	17.184	17.109	17.218	VV	13591	713620	15.02%	0.569%
251	17.225	17.218	17.243	VV	11573	168523	3.55%	0.134%
252	17.272	17.243	17.322	VV	58063	1382946	29.10%	1.103%
253	17.357	17.322	17.387	VV	79650	1388937	29.23%	1.108%
254	17.404	17.387	17.417	VV	12868	225800	4.75%	0.180%
255	17.440	17.417	17.459	VV	17193	368230	7.75%	0.294%
256	17.481	17.459	17.507	VV	16900	407478	8.58%	0.325%
257	17.529	17.507	17.552	VV	18990	395425	8.32%	0.315%
258	17.581	17.552	17.614	VV	15916	513834	10.81%	0.410%
259	17.633	17.614	17.677	VV	16574	532939	11.22%	0.425%
260	17.708	17.677	17.724	VV	19129	475332	10.00%	0.379%
261	17.817	17.724	17.847	VV	40051	1849072	38.91%	1.475%
262	17.885	17.847	17.935	VV	48532	1446507	30.44%	1.154%
263	17.974	17.935	18.004	VV	23887	876800	18.45%	0.699%
264	18.029	18.004	18.078	VV	36886	1074192	22.61%	0.857%
265	18.125	18.078	18.135	VV	42005	1062679	22.36%	0.848%
266	18.156	18.135	18.168	VV	74991	1162882	24.47%	0.927%
267	18.191	18.168	18.207	VV	148692	2619992	55.14%	2.090%
268	18.217	18.207	18.265	VV	112405	2310131	48.62%	1.842%
269	18.277	18.265	18.290	VV	25248	373575	7.86%	0.298%
270	18.319	18.290	18.340	VV	37278	927324	19.52%	0.740%
271	18.357	18.340	18.404	VV	36033	1036867	21.82%	0.827%
272	18.448	18.404	18.484	VV	58187	1493665	31.43%	1.191%
273	18.520	18.484	18.557	VV	60782	1669732	35.14%	1.332%
274	18.583	18.557	18.595	VV	34570	710088	14.94%	0.566%
275	18.621	18.595	18.658	VV	60937	1538574	32.38%	1.227%
276	18.668	18.658	18.696	VV	25632	565810	11.91%	0.451%
277	18.730	18.696	18.785	VV	72849	2353704	49.53%	1.877%
278	18.797	18.785	18.817	VV	28157	497240	10.46%	0.397%
279	18.833	18.817	18.852	VV	25782	512460	10.78%	0.409%
280	18.915	18.852	18.928	VV	31900	1246421	26.23%	0.994%
281	18.989	18.928	19.018	VV	171781	4304269	90.58%	3.433%
282	19.028	19.018	19.082	VV	76104	2109228	44.39%	1.682%
283	19.120	19.082	19.145	VV	52418	1592042	33.50%	1.270%
284	19.165	19.145	19.218	VV	57670	1754445	36.92%	1.399%
285	19.274	19.218	19.310	VV	61904	2256437	47.49%	1.800%
286	19.325	19.310	19.367	VV	39820	1154367	24.29%	0.921%
287	19.413	19.367	19.426	VV	36235	1146808	24.13%	0.915%
288	19.436	19.426	19.456	VV	36596	622904	13.11%	0.497%
289	19.483	19.456	19.503	VV	85241	1579643	33.24%	1.260%
290	19.523	19.503	19.566	VV	61439	1560760	32.85%	1.245%
291	19.605	19.566	19.651	VV	38908	1637913	34.47%	1.306%
292	19.682	19.651	19.732	VV	42325	1748484	36.80%	1.394%
293	19.768	19.732	19.804	VV	56873	1911679	40.23%	1.525%
294	19.816	19.804	19.865	VV	40668	1268905	26.70%	1.012%
295	19.898	19.865	19.928	VV	34706	1190173	25.05%	0.949%
296	19.941	19.928	19.955	VV	33464	523842	11.02%	0.418%
297	19.986	19.955	20.012	VV	40134	1258800	26.49%	1.004%
298	20.059	20.012	20.076	VV	40237	1411643	29.71%	1.126%
299	20.093	20.076	20.133	VV	41037	1224692	25.77%	0.977%

					rteres			
300	20.191	20.133	20.238	VV	80351	2753840	57.95%	2.196%
301	20.270	20.238	20.318	VV	39027	1540165	32.41%	1.228%
302	20.331	20.318	20.347	VV	30323	518993	10.92%	0.414%
303	20.358	20.347	20.372	VV	29550	444636	9.36%	0.355%
304	20.387	20.372	20.416	VV	30669	763114	16.06%	0.609%
305	20.436	20.416	20.458	VV	30123	730631	15.38%	0.583%
306	20.514	20.458	20.536	VV	34931	1420041	29.88%	1.133%
307	20.573	20.536	20.602	VV	30533	1136032	23.91%	0.906%
308	20.643	20.602	20.674	VV	24765	1046889	22.03%	0.835%
309	20.706	20.674	20.742	VV	33037	1130811	23.80%	0.902%
310	20.750	20.742	20.787	VV	23431	611043	12.86%	0.487%
311	20.835	20.787	20.877	VV	23641	1198003	25.21%	0.955%
312	20.905	20.877	20.937	VV	22150	752559	15.84%	0.600%
313	20.977	20.937	21.008	VV	29833	973172	20.48%	0.776%
314	21.032	21.008	21.053	VV	19713	522804	11.00%	0.417%
315	21.074	21.053	21.104	VV	20304	568641	11.97%	0.454%
316	21.136	21.104	21.179	VV	17248	711183	14.97%	0.567%
317	21.188	21.179	21.229	VV	14817	433406	9.12%	0.346%
318	21.243	21.229	21.271	VV	14408	346701	7.30%	0.277%
319	21.322	21.271	21.338	VV	14814	557648	11.74%	0.445%
320	21.347	21.338	21.378	VV	14142	324808	6.84%	0.259%
321	21.429	21.378	21.469	VV	15050	743761	15.65%	0.593%
322	21.483	21.469	21.526	VV	11647	364760	7.68%	0.291%
323	21.533	21.526	21.555	VV	10283	178302	3.75%	0.142%
324	21.564	21.555	21.574	VV	10494	110234	2.32%	0.088%
325	21.604	21.574	21.648	VV	10379	430024	9.05%	0.343%
326	21.683	21.648	21.722	VV	10063	417011	8.78%	0.333%
327	21.736	21.722	21.778	VV	9150	288296	6.07%	0.230%
328	21.828	21.778	21.905	VV	22117	944947	19.89%	0.754%
329	21.916	21.905	21.944	VV	6336	134473	2.83%	0.107%
330	21.953	21.944	22.019	VV	5593	214507	4.51%	0.171%
331	22.024	22.019	22.048	VV	4156	60577	1.27%	0.048%
332	22.093	22.048	22.118	VV	3996	142993	3.01%	0.114%
333	22.123	22.118	22.168	VV	3592	84333	1.77%	0.067%
334	22.187	22.168	22.204	VV	2607	50646	1.07%	0.040%
335	22.213	22.204	22.251	VV	2682	59124	1.24%	0.047%
336	22.272	22.251	22.314	VV	2175	50825	1.07%	0.041%
Sum of corrected areas:					125385782			

Aliphatic EPH 100725.M Tue Nov 04 04:39:25 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	10/27/25
Project:	7 Rynda Road, Maplewood	Date Received:	10/27/25
Client Sample ID:	2	SDG No.:	Q3474
Lab Sample ID:	Q3474-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.9
Sample Wt/Vol:	30.07 g	Test:	EPH_F2
Prep Method :	Final Vol: 2000 uL Prep Date : 11/03/25		

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

TARGETS

Aliphatic C9-C28	Aliphatic C9-C28	20.6		1	1.08	4.76	mg/kg	FC070127.D	11/03/25 18:21	PB170385
Total EPH	Total EPH	20.6			1.08	4.76	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:	10/27/25
Project:	7 Rynda Road, Maplewood	Date Received:	10/27/25
Client Sample ID:	2	SDG No.:	Q3474
Lab Sample ID:	Q3474-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.9
Sample Wt/Vol:	30.07 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_F2
	Prep Date	11/03/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	20.6	1		1.08	4.76	mg/kg	11/03/25	PB170385
Aliphatic C28-C40	Aliphatic C28-C40	68.2	E 1		1.40	2.38	mg/kg	11/03/25	PB170385
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.8			40 - 140	54%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	25.2			40 - 140	50%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3474-04	Acq On:	03 Nov 2025 18:21
Client Sample ID:	2	Operator:	YP/AJ
Data file:	FC070127.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.571	1888930	13.046	300	ug/ml
Aliphatic C12-C16	6.572	9.972	3394994	20.729	200	ug/ml
Aliphatic C16-C21	9.973	13.339	15476696	95.567	300	ug/ml
Aliphatic C21-C28	13.340	17.004	19316949	131.281	400	ug/ml
Aliphatic C28-C40	17.005	21.958	92623667	860.816	600	ug/ml
Aliphatic EPH	3.277	21.958	132701236	1120		ug/ml
ortho-Terphenyl (SURR)	11.640	11.640	4431869	25.24		ug/ml
1-chlorooctadecane (SURR)	13.075	13.075	3642404	26.83		ug/ml
Aliphatic C9-C28	3.277	17.004	40077569	260.623	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
 Data File : FC070127.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2025 18:21
 Operator : YP/AJ
 Sample : Q3474-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 2

Integration File: autoint1.e
 Quant Time: Nov 04 03:30:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 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)	11.640	4431869	25.238 ug/ml
Spiked Amount 50.000		Recovery =	50.48%
12) S 1-chlorooctadecane (S...	13.075	3642404	26.833 ug/ml
Spiked Amount 50.000		Recovery =	53.67%

Target Compounds

(f)=RT Delta > 1/2 Window

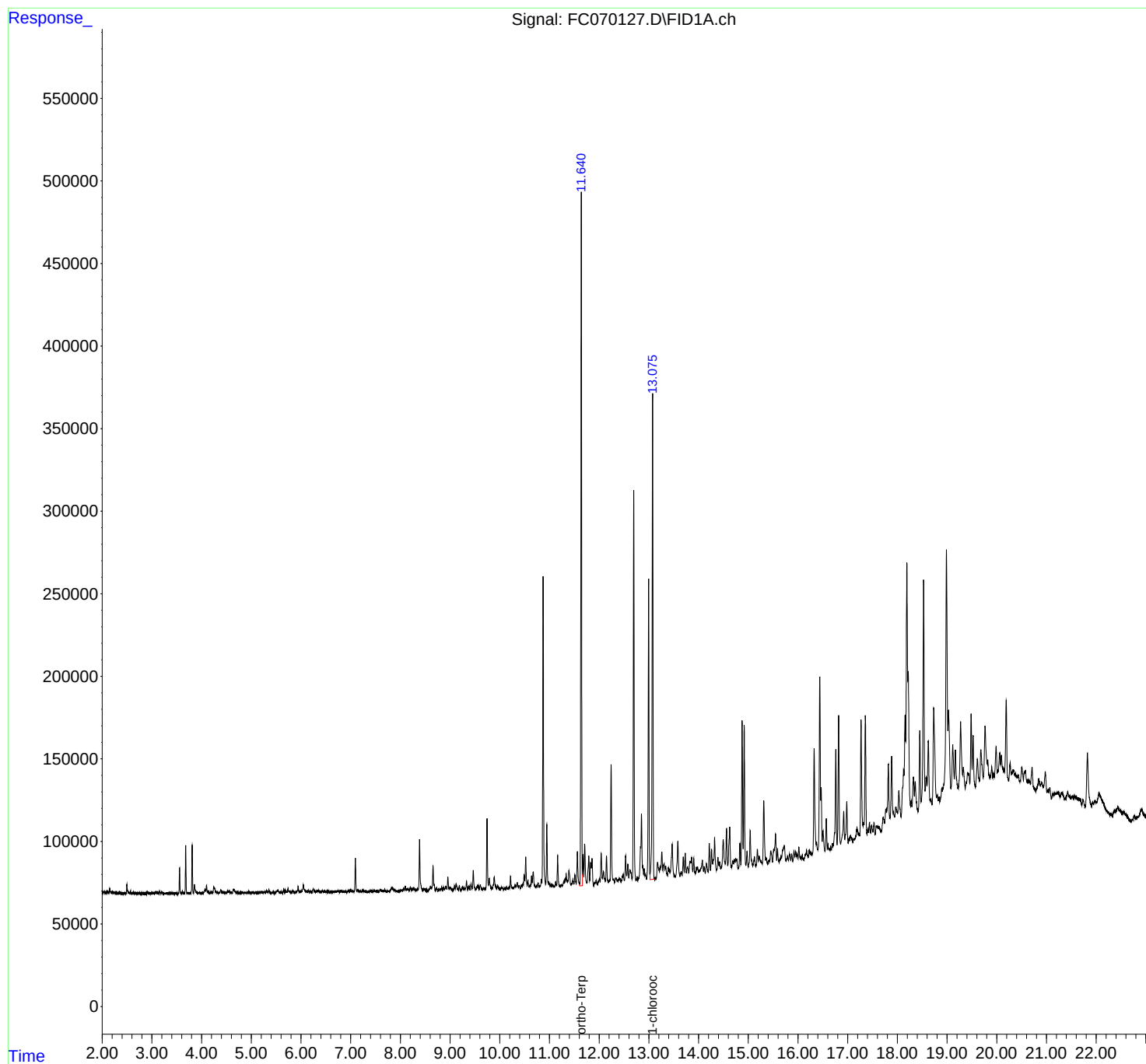
(m)=manual int.

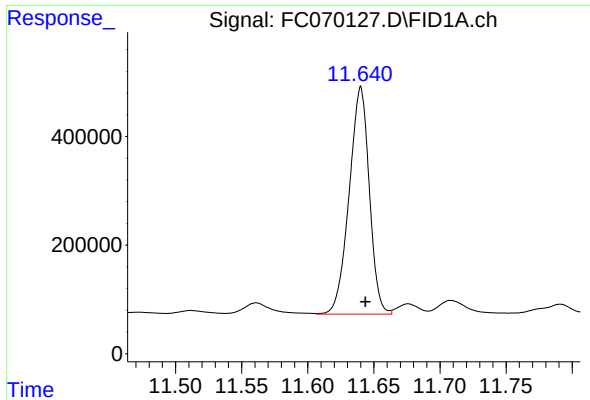
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
Data File : FC070127.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 18:21
Operator : YP/AJ
Sample : Q3474-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
2

Integration File: autoint1.e
Quant Time: Nov 04 03:30:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

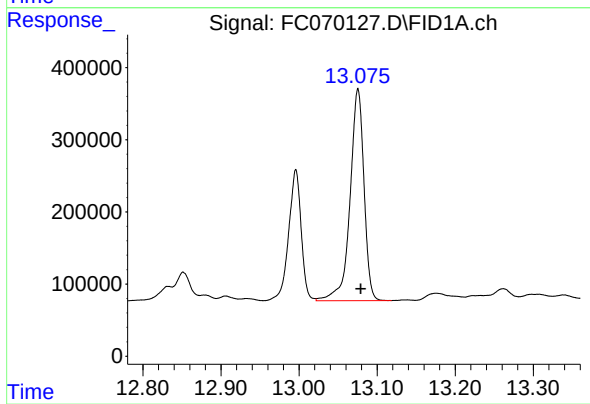




#9 ortho-Terphenyl (SURR)

R.T.: 11.640 min
Delta R.T.: -0.004 min
Response: 4431869
Conc: 25.24 ug/ml

Instrument :
FID_C
ClientSampleId :
2



#12 1-chlorooctadecane (SURR)

R.T.: 13.075 min
Delta R.T.: -0.004 min
Response: 3642404
Conc: 26.83 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
 Data File : FC070127.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2025 18:21
 Sample : Q3474-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.258	3.204	3.271	BV	109	-1074	-0.02%	-0.001%
2	3.307	3.271	3.334	PV	220	3818	0.08%	0.003%
3	3.343	3.334	3.368	VV	72	1029	0.02%	0.001%
4	3.383	3.368	3.431	VV	437	8366	0.17%	0.006%
5	3.441	3.431	3.462	VV	108	1497	0.03%	0.001%
6	3.469	3.462	3.503	VV	107	1557	0.03%	0.001%
7	3.558	3.503	3.594	VV	15661	137982	2.75%	0.097%
8	3.616	3.594	3.638	PV	1360	12989	0.26%	0.009%
9	3.681	3.638	3.730	VV	29171	257055	5.11%	0.181%
10	3.749	3.730	3.775	VV	473	8380	0.17%	0.006%
11	3.811	3.775	3.838	VV	29303	262007	5.21%	0.184%
12	3.857	3.838	3.938	VV	5518	89574	1.78%	0.063%
13	3.964	3.938	3.994	VV	429	9440	0.19%	0.007%
14	4.000	3.994	4.011	VV	195	1522	0.03%	0.001%
15	4.066	4.011	4.083	VV	2431	42381	0.84%	0.030%
16	4.100	4.083	4.181	VV	5011	78781	1.57%	0.055%
17	4.219	4.181	4.226	VV	645	11644	0.23%	0.008%
18	4.246	4.226	4.311	VV	4057	88731	1.77%	0.062%
19	4.319	4.311	4.359	VV	544	11075	0.22%	0.008%
20	4.388	4.359	4.418	VV	2000	37091	0.74%	0.026%
21	4.425	4.418	4.434	VV	639	5765	0.11%	0.004%
22	4.449	4.434	4.484	VV	865	14294	0.28%	0.010%
23	4.497	4.484	4.511	VV	473	5607	0.11%	0.004%
24	4.527	4.511	4.543	VV	1523	17909	0.36%	0.013%
25	4.558	4.543	4.584	VV	1546	22109	0.44%	0.016%
26	4.597	4.584	4.614	VV	549	7997	0.16%	0.006%
27	4.654	4.614	4.718	VV	2535	68275	1.36%	0.048%
28	4.728	4.718	4.764	VV	380	6047	0.12%	0.004%
29	4.797	4.764	4.816	VV	452	8730	0.17%	0.006%
30	4.830	4.816	4.854	VV	333	5130	0.10%	0.004%
31	4.868	4.854	4.891	VV	298	3400	0.07%	0.002%
32	4.915	4.891	4.933	PV	247	3813	0.08%	0.003%
33	4.952	4.933	4.971	VV	1080	11392	0.23%	0.008%
34	4.983	4.971	4.998	VV	170	1700	0.03%	0.001%
35	5.025	4.998	5.063	VV	526	10598	0.21%	0.007%
36	5.083	5.063	5.114	VV	406	9024	0.18%	0.006%

					rteres			
37	5.128	5.114	5.157	VV	461	7898	0.16%	0.006%
38	5.198	5.157	5.241	VV	714	21413	0.43%	0.015%
39	5.257	5.241	5.290	VV	885	13608	0.27%	0.010%
40	5.310	5.290	5.333	VV	1655	24176	0.48%	0.017%
41	5.354	5.333	5.402	VV	1808	23588	0.47%	0.017%
42	5.437	5.402	5.466	VV	441	5821	0.12%	0.004%
43	5.540	5.466	5.584	PV	1865	50188	1.00%	0.035%
44	5.598	5.584	5.624	VV	516	7736	0.15%	0.005%
45	5.653	5.624	5.670	VV	2451	25034	0.50%	0.018%
46	5.685	5.670	5.720	VV	1791	25388	0.51%	0.018%
47	5.740	5.720	5.810	VV	2390	41570	0.83%	0.029%
48	5.836	5.810	5.878	VV	1457	23365	0.46%	0.016%
49	5.943	5.878	5.968	VV	3722	60041	1.19%	0.042%
50	6.048	5.968	6.124	VV	4656	127518	2.54%	0.090%
51	6.146	6.124	6.168	VV	1129	18138	0.36%	0.013%
52	6.185	6.168	6.220	VV	845	15685	0.31%	0.011%
53	6.246	6.220	6.296	VV	2312	45546	0.91%	0.032%
54	6.320	6.296	6.381	VV	1170	36037	0.72%	0.025%
55	6.432	6.381	6.456	VV	1138	24088	0.48%	0.017%
56	6.472	6.456	6.498	VV	638	9428	0.19%	0.007%
57	6.511	6.498	6.521	VV	388	3795	0.08%	0.003%
58	6.548	6.521	6.572	VV	704	12160	0.24%	0.009%
59	6.594	6.572	6.661	VV	400	14460	0.29%	0.010%
60	6.675	6.661	6.689	VV	570	6999	0.14%	0.005%
61	6.697	6.689	6.705	VV	409	3478	0.07%	0.002%
62	6.722	6.705	6.732	VV	687	8036	0.16%	0.006%
63	6.748	6.732	6.773	VV	1036	14330	0.29%	0.010%
64	6.802	6.773	6.841	VV	1015	20264	0.40%	0.014%
65	6.866	6.841	6.891	VV	490	10905	0.22%	0.008%
66	6.896	6.891	6.928	VV	310	5534	0.11%	0.004%
67	6.949	6.928	6.977	VV	889	19815	0.39%	0.014%
68	6.995	6.977	7.061	VV	1140	34294	0.68%	0.024%
69	7.095	7.061	7.217	VV	20480	256014	5.09%	0.180%
70	7.237	7.217	7.255	VV	1624	18940	0.38%	0.013%
71	7.270	7.255	7.288	VV	798	10875	0.22%	0.008%
72	7.297	7.288	7.337	VV	457	9558	0.19%	0.007%
73	7.348	7.337	7.355	PV	160	1272	0.03%	0.001%
74	7.395	7.355	7.410	VV	644	10113	0.20%	0.007%
75	7.422	7.410	7.444	VV	462	7371	0.15%	0.005%
76	7.473	7.444	7.504	VV	1190	19603	0.39%	0.014%
77	7.523	7.504	7.560	VV	554	11053	0.22%	0.008%
78	7.593	7.560	7.621	VV	1524	26955	0.54%	0.019%
79	7.632	7.621	7.671	VV	728	16213	0.32%	0.011%
80	7.688	7.671	7.714	VV	1058	13838	0.28%	0.010%
81	7.741	7.714	7.751	PV	355	4799	0.10%	0.003%
82	7.763	7.751	7.778	VV	302	4032	0.08%	0.003%
83	7.829	7.778	7.869	VV	2656	73485	1.46%	0.052%
84	7.883	7.869	7.919	VV	962	17078	0.34%	0.012%
85	7.935	7.919	7.953	VV	328	3975	0.08%	0.003%
86	8.019	7.953	8.046	PV	913	23376	0.47%	0.016%
87	8.065	8.046	8.080	VV	1976	24312	0.48%	0.017%
88	8.098	8.080	8.123	VV	3188	47071	0.94%	0.033%
89	8.144	8.123	8.179	VV	1507	38420	0.76%	0.027%

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90	8.200	8.179	8.216	VV	2579	33505	0.67%	0.024%
91	8.229	8.216	8.244	VV	1493	18964	0.38%	0.013%
92	8.267	8.244	8.291	VV	1895	36551	0.73%	0.026%
93	8.300	8.291	8.331	VV	912	17765	0.35%	0.012%
94	8.386	8.331	8.461	VV	31233	435553	8.67%	0.306%
95	8.479	8.461	8.512	VV	1377	25216	0.50%	0.018%
96	8.522	8.512	8.548	VV	719	7875	0.16%	0.006%
97	8.604	8.548	8.628	PV	2650	55297	1.10%	0.039%
98	8.657	8.628	8.705	VV	15100	228629	4.55%	0.161%
99	8.727	8.705	8.757	VV	1348	27352	0.54%	0.019%
100	8.772	8.757	8.781	VV	531	6096	0.12%	0.004%
101	8.801	8.781	8.814	VV	1012	15436	0.31%	0.011%
102	8.831	8.814	8.850	VV	1977	25916	0.52%	0.018%
103	8.868	8.850	8.886	VV	1924	24782	0.49%	0.017%
104	8.912	8.886	8.933	VV	2747	48402	0.96%	0.034%
105	8.956	8.933	8.981	VV	8218	105393	2.10%	0.074%
106	8.995	8.981	9.003	VV	1762	19619	0.39%	0.014%
107	9.013	9.003	9.041	VV	1747	22677	0.45%	0.016%
108	9.089	9.041	9.104	VV	2954	35160	0.70%	0.025%
109	9.122	9.104	9.169	VV	4096	71812	1.43%	0.050%
110	9.187	9.169	9.214	VV	2837	30310	0.60%	0.021%
111	9.247	9.214	9.264	VV	1917	27469	0.55%	0.019%
112	9.279	9.264	9.296	VV	1717	20879	0.42%	0.015%
113	9.331	9.296	9.352	VV	5531	72974	1.45%	0.051%
114	9.382	9.352	9.403	VV	2066	36918	0.73%	0.026%
115	9.423	9.403	9.444	VV	3661	46873	0.93%	0.033%
116	9.467	9.444	9.519	VV	11876	163164	3.25%	0.115%
117	9.567	9.519	9.588	VV	2435	59509	1.18%	0.042%
118	9.609	9.588	9.660	VV	2947	52504	1.04%	0.037%
119	9.677	9.660	9.696	VV	1012	13454	0.27%	0.009%
120	9.744	9.696	9.772	VV	42919	504538	10.04%	0.354%
121	9.789	9.772	9.828	VV	6745	115617	2.30%	0.081%
122	9.837	9.828	9.850	VV	1041	12073	0.24%	0.008%
123	9.890	9.850	9.937	VV	7617	155888	3.10%	0.109%
124	9.955	9.937	10.014	VV	2192	44356	0.88%	0.031%
125	10.038	10.014	10.082	PV	1290	24165	0.48%	0.017%
126	10.099	10.082	10.113	PV	532	5675	0.11%	0.004%
127	10.137	10.113	10.158	VV	863	14151	0.28%	0.010%
128	10.185	10.158	10.195	VV	910	11818	0.24%	0.008%
129	10.217	10.195	10.278	VV	7746	103456	2.06%	0.073%
130	10.302	10.278	10.332	VV	1850	43213	0.86%	0.030%
131	10.353	10.332	10.376	VV	3843	58348	1.16%	0.041%
132	10.391	10.376	10.418	VV	1854	23567	0.47%	0.017%
133	10.434	10.418	10.448	VV	1812	23449	0.47%	0.016%
134	10.466	10.448	10.473	VV	2592	29115	0.58%	0.020%
135	10.491	10.473	10.505	VV	8237	105407	2.10%	0.074%
136	10.523	10.505	10.550	VV	19006	248171	4.94%	0.174%
137	10.566	10.550	10.591	VV	4480	61265	1.22%	0.043%
138	10.608	10.591	10.619	VV	1810	23806	0.47%	0.017%
139	10.640	10.619	10.653	VV	7357	90205	1.79%	0.063%
140	10.674	10.653	10.722	VV	9470	173377	3.45%	0.122%
141	10.740	10.722	10.751	VV	949	14329	0.29%	0.010%

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142	10.770	10.751	10.788	VV	3042	36204	0.72%	0.025%
143	10.801	10.788	10.813	VV	1080	12822	0.26%	0.009%
144	10.837	10.813	10.846	VV	4975	58015	1.15%	0.041%
145	10.872	10.846	10.923	VV	187778	2156677	42.91%	1.514%
146	10.947	10.923	11.015	VV	37924	509083	10.13%	0.357%
147	11.033	11.015	11.048	VV	1337	22759	0.45%	0.016%
148	11.060	11.048	11.099	VV	1310	23122	0.46%	0.016%
149	11.125	11.099	11.143	VV	3022	37598	0.75%	0.026%
150	11.164	11.143	11.210	VV	19083	234498	4.67%	0.165%
151	11.240	11.210	11.257	VV	1058	16874	0.34%	0.012%
152	11.288	11.257	11.300	VV	3067	48008	0.96%	0.034%
153	11.336	11.300	11.356	VV	7743	149044	2.97%	0.105%
154	11.392	11.356	11.429	VV	9286	215605	4.29%	0.151%
155	11.472	11.429	11.492	VV	3671	78937	1.57%	0.055%
156	11.512	11.492	11.537	VV	6773	100115	1.99%	0.070%
157	11.561	11.537	11.606	VV	20762	303222	6.03%	0.213%
158	11.640	11.606	11.663	VV	418699	4430091	88.13%	3.111%
159	11.676	11.663	11.691	VV	18662	209113	4.16%	0.147%
160	11.709	11.691	11.753	VV	24970	377595	7.51%	0.265%
161	11.791	11.753	11.809	VV	17922	291722	5.80%	0.205%
162	11.828	11.809	11.841	VV	13637	188863	3.76%	0.133%
163	11.856	11.841	11.888	VV	16313	224247	4.46%	0.157%
164	11.906	11.888	11.918	PV	1532	15955	0.32%	0.011%
165	11.939	11.918	11.961	VV	2640	41061	0.82%	0.029%
166	12.004	11.961	12.018	VV	3478	63501	1.26%	0.045%
167	12.041	12.018	12.067	VV	18821	275482	5.48%	0.193%
168	12.086	12.067	12.124	VV	7546	153091	3.05%	0.108%
169	12.147	12.124	12.189	VV	16793	237155	4.72%	0.167%
170	12.240	12.189	12.309	VV	72127	956004	19.02%	0.671%
171	12.332	12.309	12.365	VV	2961	68785	1.37%	0.048%
172	12.397	12.365	12.409	VV	2244	45326	0.90%	0.032%
173	12.420	12.409	12.436	VV	2536	27649	0.55%	0.019%
174	12.485	12.436	12.507	VV	4534	103930	2.07%	0.073%
175	12.531	12.507	12.555	VV	15877	213404	4.25%	0.150%
176	12.577	12.555	12.596	VV	10736	159338	3.17%	0.112%
177	12.619	12.596	12.661	VV	6972	184642	3.67%	0.130%
178	12.696	12.661	12.741	VV	233152	2657311	52.87%	1.866%
179	12.763	12.741	12.778	VV	1662	22038	0.44%	0.015%
180	12.852	12.778	12.894	VV	40162	849924	16.91%	0.597%
181	12.906	12.894	12.924	VV	6849	84680	1.68%	0.059%
182	12.933	12.924	12.954	VV	3314	39064	0.78%	0.027%
183	12.996	12.954	13.022	VV	179558	2034400	40.47%	1.429%
184	13.075	13.022	13.118	VV	292592	3636914	72.35%	2.554%
185	13.137	13.118	13.148	VV	768	7589	0.15%	0.005%
186	13.176	13.148	13.211	VV	9917	225880	4.49%	0.159%
187	13.261	13.211	13.282	VV	15871	361213	7.19%	0.254%
188	13.305	13.282	13.325	VV	8032	174499	3.47%	0.123%
189	13.339	13.325	13.373	VV	7124	127135	2.53%	0.089%
190	13.393	13.373	13.432	VV	5947	143471	2.85%	0.101%
191	13.469	13.432	13.531	VV	19827	412258	8.20%	0.289%
192	13.584	13.531	13.622	PV	21417	381785	7.60%	0.268%
193	13.650	13.622	13.668	VV	2718	42219	0.84%	0.030%
194	13.693	13.668	13.714	VV	11392	153022	3.04%	0.107%

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195	13.732	13.714	13.756	VV	13441	179779	3.58%	0.126%
196	13.778	13.756	13.803	VV	5029	102312	2.04%	0.072%
197	13.828	13.803	13.842	VV	8431	141648	2.82%	0.099%
198	13.860	13.842	13.884	VV	10685	180457	3.59%	0.127%
199	13.903	13.884	13.935	VV	9865	133270	2.65%	0.094%
200	13.956	13.935	13.967	VV	4401	51035	1.02%	0.036%
201	13.980	13.967	14.001	VV	4519	64137	1.28%	0.045%
202	14.076	14.001	14.099	VV	8270	210999	4.20%	0.148%
203	14.116	14.099	14.134	VV	4050	47012	0.94%	0.033%
204	14.161	14.134	14.191	PV	5940	100903	2.01%	0.071%
205	14.217	14.191	14.240	VV	17846	231494	4.61%	0.163%
206	14.262	14.240	14.284	VV	14075	206045	4.10%	0.145%
207	14.323	14.284	14.362	VV	20568	393215	7.82%	0.276%
208	14.390	14.362	14.408	VV	8695	125918	2.51%	0.088%
209	14.423	14.408	14.445	VV	5767	86524	1.72%	0.061%
210	14.496	14.445	14.537	VV	19042	445062	8.85%	0.313%
211	14.563	14.537	14.588	VV	25314	365565	7.27%	0.257%
212	14.627	14.588	14.662	VV	25964	497938	9.91%	0.350%
213	14.690	14.662	14.704	VV	5363	88345	1.76%	0.062%
214	14.720	14.704	14.735	VV	6080	90212	1.79%	0.063%
215	14.749	14.735	14.801	VV	6119	148278	2.95%	0.104%
216	14.831	14.801	14.850	VV	15269	194340	3.87%	0.136%
217	14.876	14.850	14.897	VV	88007	1143435	22.75%	0.803%
218	14.918	14.897	14.954	VV	86328	1088172	21.65%	0.764%
219	14.975	14.954	14.998	VV	9776	129287	2.57%	0.091%
220	15.038	14.998	15.090	VV	22142	362861	7.22%	0.255%
221	15.124	15.090	15.154	VV	6019	102305	2.04%	0.072%
222	15.184	15.154	15.203	VV	10144	140450	2.79%	0.099%
223	15.219	15.203	15.247	VV	5965	110956	2.21%	0.078%
224	15.258	15.247	15.284	VV	2913	48202	0.96%	0.034%
225	15.312	15.284	15.351	VV	38985	636260	12.66%	0.447%
226	15.363	15.351	15.385	VV	4205	56634	1.13%	0.040%
227	15.415	15.385	15.428	VV	2472	43679	0.87%	0.031%
228	15.453	15.428	15.487	VV	8201	172377	3.43%	0.121%
229	15.511	15.487	15.519	VV	9107	118389	2.36%	0.083%
230	15.549	15.519	15.571	VV	18204	333332	6.63%	0.234%
231	15.588	15.571	15.621	VV	8761	118936	2.37%	0.084%
232	15.726	15.621	15.759	VV	10035	415338	8.26%	0.292%
233	15.790	15.759	15.809	VV	3532	61812	1.23%	0.043%
234	15.831	15.809	15.855	VV	4737	80458	1.60%	0.056%
235	15.874	15.855	15.895	VV	4536	56762	1.13%	0.040%
236	15.921	15.895	15.938	VV	5982	89349	1.78%	0.063%
237	15.955	15.938	15.971	VV	5604	81673	1.62%	0.057%
238	15.982	15.971	15.999	VV	3734	49934	0.99%	0.035%
239	16.018	15.999	16.064	VV	8059	127911	2.54%	0.090%
240	16.085	16.064	16.114	VV	2480	36340	0.72%	0.026%
241	16.175	16.114	16.204	PV	5252	138276	2.75%	0.097%
242	16.227	16.204	16.243	VV	5493	80779	1.61%	0.057%
243	16.257	16.243	16.269	VV	3969	53244	1.06%	0.037%
244	16.326	16.269	16.366	VV	66159	1167837	23.23%	0.820%
245	16.375	16.366	16.398	VV	9649	139890	2.78%	0.098%
246	16.439	16.398	16.459	VV	109022	1664836	33.12%	1.169%

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247	16.467	16.459	16.489	VV	42507	499892	9.95%	0.351%
248	16.504	16.489	16.543	VV	15906	318304	6.33%	0.224%
249	16.570	16.543	16.594	VV	23058	347952	6.92%	0.244%
250	16.605	16.594	16.648	VV	7041	161358	3.21%	0.113%
251	16.663	16.648	16.674	VV	4945	69001	1.37%	0.048%
252	16.693	16.674	16.707	VV	7418	122918	2.45%	0.086%
253	16.762	16.707	16.788	VV	64177	1093711	21.76%	0.768%
254	16.819	16.788	16.858	VV	83307	1302903	25.92%	0.915%
255	16.921	16.858	16.943	VV	25949	679582	13.52%	0.477%
256	16.983	16.943	17.011	VV	31391	654371	13.02%	0.460%
257	17.028	17.011	17.038	VV	9083	128047	2.55%	0.090%
258	17.056	17.038	17.107	VV	10560	362062	7.20%	0.254%
259	17.126	17.107	17.141	VV	8534	160921	3.20%	0.113%
260	17.188	17.141	17.214	VV	14472	494405	9.84%	0.347%
261	17.229	17.214	17.244	VV	11109	189674	3.77%	0.133%
262	17.271	17.244	17.309	VV	79384	1416590	28.18%	0.995%
263	17.356	17.309	17.389	VV	81354	1595772	31.75%	1.121%
264	17.408	17.389	17.420	VV	13100	215604	4.29%	0.151%
265	17.439	17.420	17.460	VV	16634	319610	6.36%	0.224%
266	17.482	17.460	17.505	VV	15129	347793	6.92%	0.244%
267	17.532	17.505	17.554	VV	15760	377621	7.51%	0.265%
268	17.577	17.554	17.618	VV	14326	487057	9.69%	0.342%
269	17.630	17.618	17.669	VV	13799	375676	7.47%	0.264%
270	17.714	17.669	17.741	VV	18862	642506	12.78%	0.451%
271	17.818	17.741	17.851	VV	50721	1746561	34.75%	1.226%
272	17.885	17.851	17.943	VV	54679	1577880	31.39%	1.108%
273	17.970	17.943	18.005	VV	23857	793741	15.79%	0.557%
274	18.030	18.005	18.074	VV	33421	1013604	20.17%	0.712%
275	18.155	18.074	18.167	VV	78710	2450147	48.74%	1.721%
276	18.192	18.167	18.265	VV	170287	5026540	100.00%	3.530%
277	18.279	18.265	18.293	VV	26262	423238	8.42%	0.297%
278	18.324	18.293	18.343	VV	40571	980063	19.50%	0.688%
279	18.358	18.343	18.416	VV	37567	1213779	24.15%	0.852%
280	18.451	18.416	18.478	VV	68096	1413314	28.12%	0.992%
281	18.528	18.478	18.559	VV	159658	3219083	64.04%	2.261%
282	18.581	18.559	18.596	VV	39462	813500	16.18%	0.571%
283	18.622	18.596	18.660	VV	61347	1565089	31.14%	1.099%
284	18.671	18.660	18.697	VV	25771	545789	10.86%	0.383%
285	18.732	18.697	18.788	VV	80930	2560366	50.94%	1.798%
286	18.803	18.788	18.822	VV	27514	535939	10.66%	0.376%
287	18.838	18.822	18.853	VV	26287	476770	9.49%	0.335%
288	18.894	18.853	18.903	VV	30656	825688	16.43%	0.580%
289	18.988	18.903	19.016	VV	174729	4808834	95.67%	3.377%
290	19.030	19.016	19.079	VV	78223	2113784	42.05%	1.484%
291	19.114	19.079	19.145	VV	56418	1709132	34.00%	1.200%
292	19.167	19.145	19.218	VV	53239	1738761	34.59%	1.221%
293	19.273	19.218	19.312	VV	69738	2576075	51.25%	1.809%
294	19.329	19.312	19.365	VV	42090	1161058	23.10%	0.815%
295	19.415	19.365	19.457	VV	38546	1920983	38.22%	1.349%
296	19.484	19.457	19.505	VV	73869	1480717	29.46%	1.040%
297	19.524	19.505	19.568	VV	60455	1601628	31.86%	1.125%
298	19.611	19.568	19.654	VV	45965	1912291	38.04%	1.343%
299	19.681	19.654	19.728	VV	51179	1836411	36.53%	1.290%

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300	19.766	19.728	19.808	VV	65413	2356589	46.88%	1.655%
301	19.819	19.808	19.878	VV	44676	1582808	31.49%	1.111%
302	19.899	19.878	19.919	VV	40067	905262	18.01%	0.636%
303	19.931	19.919	19.948	VV	35975	605108	12.04%	0.425%
304	19.987	19.948	20.023	VV	51472	1864308	37.09%	1.309%
305	20.060	20.023	20.077	VV	47993	1374896	27.35%	0.965%
306	20.092	20.077	20.156	VV	46179	1890313	37.61%	1.327%
307	20.191	20.156	20.239	VV	79071	2347377	46.70%	1.648%
308	20.270	20.239	20.298	VV	40879	1255239	24.97%	0.881%
309	20.331	20.298	20.364	VV	36331	1394245	27.74%	0.979%
310	20.371	20.364	20.414	VV	33658	979174	19.48%	0.688%
311	20.435	20.414	20.465	VV	32511	931939	18.54%	0.654%
312	20.504	20.465	20.536	VV	36941	1394042	27.73%	0.979%
313	20.578	20.536	20.610	VV	34607	1409232	28.04%	0.990%
314	20.620	20.610	20.631	VV	29171	364464	7.25%	0.256%
315	20.656	20.631	20.677	VV	28641	772223	15.36%	0.542%
316	20.710	20.677	20.784	VV	36148	1743559	34.69%	1.224%
317	20.845	20.784	20.872	VV	28906	1329531	26.45%	0.934%
318	20.901	20.872	20.935	VV	26206	939549	18.69%	0.660%
319	20.977	20.935	21.009	VV	32423	1168384	23.24%	0.820%
320	21.031	21.009	21.047	VV	21177	474171	9.43%	0.333%
321	21.068	21.047	21.098	VV	22466	597794	11.89%	0.420%
322	21.135	21.098	21.151	VV	18500	556128	11.06%	0.391%
323	21.190	21.151	21.211	VV	18562	660797	13.15%	0.464%
324	21.230	21.211	21.241	VV	18889	329364	6.55%	0.231%
325	21.250	21.241	21.277	VV	18635	385817	7.68%	0.271%
326	21.305	21.277	21.368	VV	18361	901461	17.93%	0.633%
327	21.374	21.368	21.381	VV	14522	118332	2.35%	0.083%
328	21.428	21.381	21.482	VV	18109	949721	18.89%	0.667%
329	21.530	21.482	21.547	VV	15337	570280	11.35%	0.400%
330	21.566	21.547	21.584	VV	14914	326726	6.50%	0.229%
331	21.590	21.584	21.628	VV	14950	364577	7.25%	0.256%
332	21.641	21.628	21.671	VV	13785	333659	6.64%	0.234%
333	21.679	21.671	21.710	VV	13218	268320	5.34%	0.188%
334	21.735	21.710	21.784	VV	12110	446100	8.87%	0.313%
335	21.824	21.784	21.904	VV	40018	1336751	26.59%	0.939%
336	21.933	21.904	21.949	VV	10091	241324	4.80%	0.169%
337	21.976	21.949	21.992	VV	10361	247799	4.93%	0.174%
338	22.001	21.992	22.011	VV	9921	110964	2.21%	0.078%
339	22.062	22.011	22.283	VV	14799	1258323	25.03%	0.884%
340	22.292	22.283	22.298	VV	1039	8128	0.16%	0.006%
341	22.306	22.298	22.326	VV	1396	11769	0.23%	0.008%
Sum of corrected areas:					142404153			

Aliphatic EPH 100725.M Tue Nov 04 04:40:16 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	10/27/25
Project:	7 Rynda Road, Maplewood	Date Received:	10/27/25
Client Sample ID:	3	SDG No.:	Q3474
Lab Sample ID:	Q3474-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.7
Sample Wt/Vol:	30.1 g	Test:	EPH_F2
Prep Method :	Final Vol: 2000 uL Prep Date : 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C28	Aliphatic C9-C28	6.99		1	1.04	4.60	mg/kg	FE056663.D	11/04/25 11:51	PB170385
Total EPH	Total EPH	6.99			1.04	4.60	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:	10/27/25
Project:	7 Rynda Road, Maplewood	Date Received:	10/27/25
Client Sample ID:	3	SDG No.:	Q3474
Lab Sample ID:	Q3474-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.7
Sample Wt/Vol:	30.1 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_F2
	Prep Date	11/03/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	6.99	1		1.04	4.60	mg/kg	11/04/25	PB170385
Aliphatic C28-C40	Aliphatic C28-C40	26.0	1		1.36	2.30	mg/kg	11/04/25	PB170385
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	30.2			40 - 140	60%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	41.4			40 - 140	83%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3474-05	Acq On:	04 Nov 2025 11:51
Client Sample ID:	3	Operator:	YP\AJ
Data file:	FE056663.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	3.225	6.852	678440	3.964	300	ug/ml
Aliphatic C12-C16	6.853	10.301	1390367	7.778	200	ug/ml
Aliphatic C16-C21	10.302	13.678	6615224	35.469	300	ug/ml
Aliphatic C21-C28	13.679	17.350	8473400	43.957	400	ug/ml
Aliphatic C28-C40	17.351	22.304	54055243	339.299	600	ug/ml
Aliphatic EPH	3.225	22.304	71212674	430.467		ug/ml
ortho-Terphenyl (SURR)	11.975	11.975	8647093	41.39		ug/ml
1-chlorooctadecane (SURR)	13.412	13.412	4870871	30.23		ug/ml
Aliphatic C9-C28	3.225	17.350	17157431	91.168	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110425AL\
Data File : FE056663.D
Signal(s) : FID1B.ch
Acq On : 04 Nov 2025 11:51
Operator : YP\AJ
Sample : Q3474-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
3

Integration File: autoint1.e
Quant Time: Nov 05 00:21:30 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)	11.975	8647093	41.391 ug/ml
Spiked Amount	50.000	Recovery	= 82.78%
12) S 1-chlorooctadecane (S...	13.412	4870871	30.232 ug/ml
Spiked Amount	50.000	Recovery	= 60.46%

Target Compounds

(f)=RT Delta > 1/2 Window

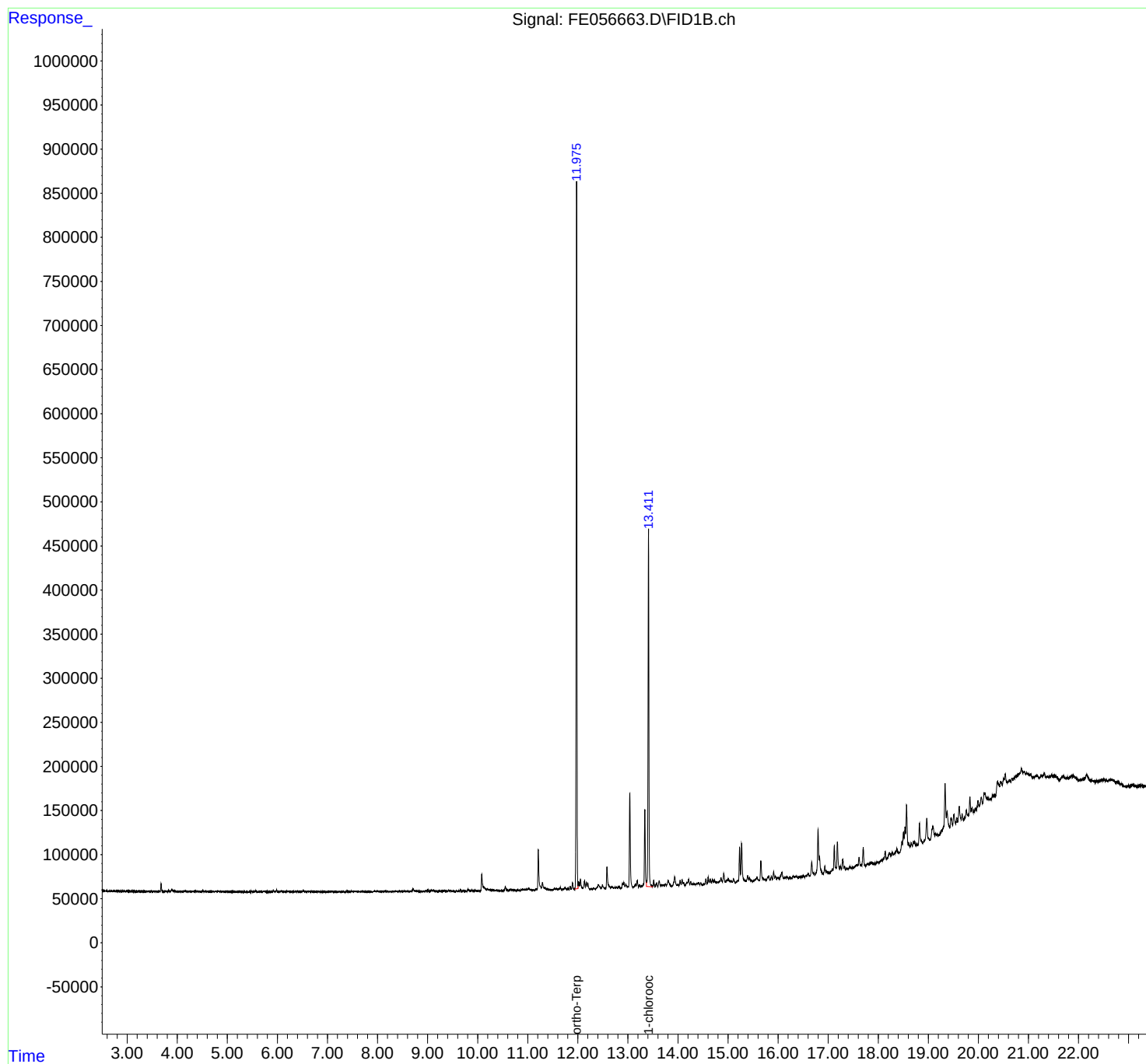
(m)=manual int.

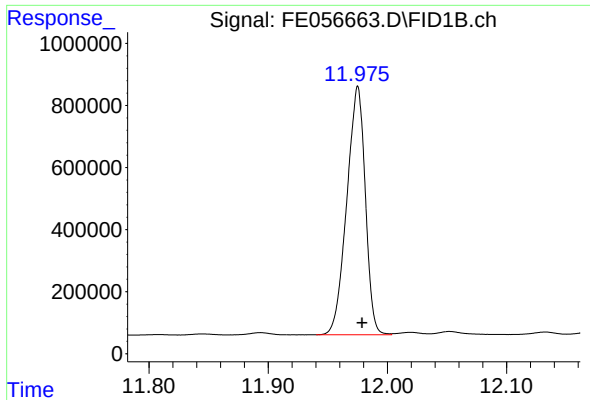
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110425AL\
Data File : FE056663.D
Signal(s) : FID1B.ch
Acq On : 04 Nov 2025 11:51
Operator : YP\AJ
Sample : Q3474-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
3

Integration File: autoint1.e
Quant Time: Nov 05 00:21:30 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

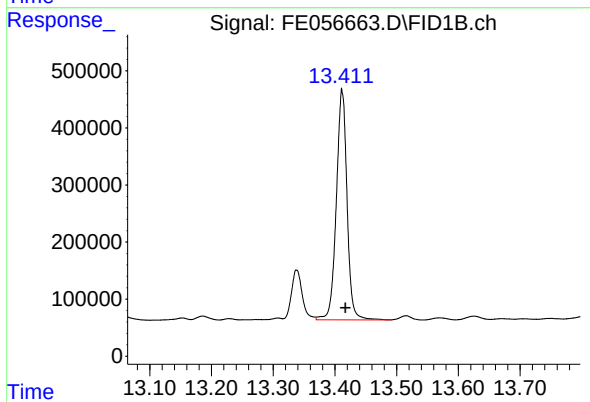




#9 ortho-Terphenyl (SURR)

R.T.: 11.975 min
Delta R.T.: -0.004 min
Response: 8647093
Conc: 41.39 ug/ml

Instrument :
FID_E
ClientSampleId :
3



#12 1-chlorooctadecane (SURR)

R.T.: 13.412 min
Delta R.T.: -0.006 min
Response: 4870871
Conc: 30.23 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110425AL\
 Data File : FE056663.D
 Signal(s) : FID1B.ch
 Acq On : 04 Nov 2025 11:51
 Sample : Q3474-05
 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	2.570	2.524	2.584	BV	83	1250	0.01%	0.001%
2	2.587	2.584	2.595	VV	118	337	0.00%	0.000%
3	2.634	2.595	2.693	PV	154	5022	0.06%	0.006%
4	2.704	2.693	2.731	VV	121	2157	0.02%	0.003%
5	2.747	2.731	2.821	VV	181	7126	0.08%	0.008%
6	2.828	2.821	2.871	VV	138	2972	0.03%	0.003%
7	2.874	2.871	2.964	VV	105	4559	0.05%	0.005%
8	2.970	2.964	2.993	PV	97	1105	0.01%	0.001%
9	3.005	2.993	3.038	VV	162	2435	0.03%	0.003%
10	3.106	3.038	3.177	VV	182	8211	0.09%	0.010%
11	3.186	3.177	3.281	VV	146	3257	0.04%	0.004%
12	3.298	3.281	3.310	PV	133	1278	0.01%	0.002%
13	3.324	3.310	3.356	VV	165	3179	0.04%	0.004%
14	3.363	3.356	3.424	VV	107	1814	0.02%	0.002%
15	3.433	3.424	3.458	PV	45	947	0.01%	0.001%
16	3.467	3.458	3.504	PV	134	1467	0.02%	0.002%
17	3.531	3.504	3.556	VV	686	8651	0.10%	0.010%
18	3.570	3.556	3.583	PV	117	1137	0.01%	0.001%
19	3.610	3.583	3.631	VV	252	3728	0.04%	0.004%
20	3.678	3.631	3.729	VV	9202	96476	1.11%	0.114%
21	3.746	3.729	3.760	PV	135	1198	0.01%	0.001%
22	3.772	3.760	3.801	VV	123	1861	0.02%	0.002%
23	3.829	3.801	3.858	VV	1206	13876	0.16%	0.016%
24	3.888	3.858	3.999	VV	2465	66007	0.76%	0.078%
25	4.008	3.999	4.041	VV	256	5158	0.06%	0.006%
26	4.056	4.041	4.074	VV	287	3867	0.04%	0.005%
27	4.078	4.074	4.104	VV	249	2427	0.03%	0.003%
28	4.134	4.104	4.151	VV	447	6404	0.07%	0.008%
29	4.167	4.151	4.255	VV	564	15213	0.18%	0.018%
30	4.264	4.255	4.282	VV	115	1509	0.02%	0.002%
31	4.290	4.282	4.317	VV	142	2147	0.02%	0.003%
32	4.340	4.317	4.358	VV	500	8327	0.10%	0.010%
33	4.370	4.358	4.387	VV	422	5691	0.07%	0.007%
34	4.404	4.387	4.431	VV	323	6968	0.08%	0.008%
35	4.442	4.431	4.473	VV	208	3316	0.04%	0.004%
36	4.504	4.473	4.564	VV	798	24057	0.28%	0.028%

					rteres			
37	4.577	4.564	4.609	VV	389	7321	0.08%	0.009%
38	4.622	4.609	4.644	VV	258	4479	0.05%	0.005%
39	4.660	4.644	4.679	VV	434	6799	0.08%	0.008%
40	4.697	4.679	4.734	VV	536	9520	0.11%	0.011%
41	4.784	4.734	4.848	VV	424	22570	0.26%	0.027%
42	4.860	4.848	4.875	VV	317	4385	0.05%	0.005%
43	4.884	4.875	4.908	VV	234	4122	0.05%	0.005%
44	4.916	4.908	4.976	VV	199	6629	0.08%	0.008%
45	4.984	4.976	5.025	VV	273	4611	0.05%	0.005%
46	5.033	5.025	5.071	VV	168	3364	0.04%	0.004%
47	5.079	5.071	5.084	VV	168	985	0.01%	0.001%
48	5.105	5.084	5.115	VV	187	2743	0.03%	0.003%
49	5.137	5.115	5.183	VV	279	6596	0.08%	0.008%
50	5.213	5.183	5.231	VV	262	4863	0.06%	0.006%
51	5.237	5.231	5.303	VV	249	4081	0.05%	0.005%
52	5.352	5.303	5.407	VV	251	7921	0.09%	0.009%
53	5.422	5.407	5.441	PV	140	1851	0.02%	0.002%
54	5.452	5.441	5.461	VV	202	1585	0.02%	0.002%
55	5.486	5.461	5.538	VV	357	9690	0.11%	0.011%
56	5.567	5.538	5.632	VV	1800	26802	0.31%	0.032%
57	5.657	5.632	5.704	VV	353	7687	0.09%	0.009%
58	5.745	5.704	5.794	VV	1027	24070	0.28%	0.028%
59	5.843	5.794	5.868	VV	270	6533	0.08%	0.008%
60	5.885	5.868	5.897	VV	286	3960	0.05%	0.005%
61	5.919	5.897	5.959	VV	1427	23933	0.28%	0.028%
62	5.982	5.959	6.050	VV	2087	33193	0.38%	0.039%
63	6.082	6.050	6.131	VV	1132	22239	0.26%	0.026%
64	6.137	6.131	6.164	VV	254	2744	0.03%	0.003%
65	6.195	6.164	6.266	VV	760	19036	0.22%	0.022%
66	6.289	6.266	6.331	VV	576	11159	0.13%	0.013%
67	6.354	6.331	6.388	VV	521	10563	0.12%	0.012%
68	6.407	6.388	6.427	VV	573	7652	0.09%	0.009%
69	6.458	6.427	6.494	VV	544	10674	0.12%	0.013%
70	6.519	6.494	6.594	VV	1593	35217	0.41%	0.041%
71	6.607	6.594	6.616	VV	247	2969	0.03%	0.003%
72	6.635	6.616	6.681	VV	430	11070	0.13%	0.013%
73	6.717	6.681	6.737	VV	321	7043	0.08%	0.008%
74	6.749	6.737	6.787	VV	300	5577	0.06%	0.007%
75	6.832	6.787	6.859	VV	185	5501	0.06%	0.006%
76	6.904	6.859	6.921	VV	229	4748	0.05%	0.006%
77	6.931	6.921	6.970	VV	227	3526	0.04%	0.004%
78	6.991	6.970	7.017	PV	181	3172	0.04%	0.004%
79	7.045	7.017	7.083	VV	484	9887	0.11%	0.012%
80	7.095	7.083	7.121	VV	357	4671	0.05%	0.005%
81	7.143	7.121	7.184	VV	209	4979	0.06%	0.006%
82	7.199	7.184	7.232	VV	182	3016	0.03%	0.004%
83	7.238	7.232	7.267	VV	127	2040	0.02%	0.002%
84	7.282	7.267	7.294	VV	156	1630	0.02%	0.002%
85	7.306	7.294	7.356	VV	292	5276	0.06%	0.006%
86	7.391	7.356	7.428	VV	484	9924	0.11%	0.012%
87	7.474	7.428	7.521	VV	555	18706	0.22%	0.022%
88	7.539	7.521	7.574	VV	469	9930	0.11%	0.012%
89	7.613	7.574	7.637	VV	343	10135	0.12%	0.012%

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90	7.651	7.637	7.674	VV	309	5942	0.07%	0.007%
91	7.697	7.674	7.765	VV	570	15471	0.18%	0.018%
92	7.787	7.765	7.821	VV	247	5088	0.06%	0.006%
93	7.837	7.821	7.867	VV	206	2976	0.03%	0.004%
94	7.878	7.867	7.904	PV	65	1385	0.02%	0.002%
95	7.930	7.904	7.978	VV	976	25051	0.29%	0.029%
96	7.993	7.978	8.071	VV	819	23829	0.27%	0.028%
97	8.075	8.071	8.100	VV	296	4387	0.05%	0.005%
98	8.115	8.100	8.135	VV	448	7754	0.09%	0.009%
99	8.163	8.135	8.232	VV	874	20345	0.23%	0.024%
100	8.269	8.232	8.291	VV	200	4739	0.05%	0.006%
101	8.311	8.291	8.326	VV	246	4555	0.05%	0.005%
102	8.369	8.326	8.394	VV	1018	17851	0.21%	0.021%
103	8.416	8.394	8.427	VV	471	7224	0.08%	0.009%
104	8.446	8.427	8.458	VV	618	8762	0.10%	0.010%
105	8.464	8.458	8.504	VV	588	11224	0.13%	0.013%
106	8.523	8.504	8.542	VV	939	14143	0.16%	0.017%
107	8.556	8.542	8.569	VV	552	7704	0.09%	0.009%
108	8.587	8.569	8.614	VV	843	15966	0.18%	0.019%
109	8.628	8.614	8.641	VV	407	6153	0.07%	0.007%
110	8.645	8.641	8.661	VV	477	4475	0.05%	0.005%
111	8.707	8.661	8.863	VV	3568	115406	1.33%	0.136%
112	8.876	8.863	8.898	VV	287	4397	0.05%	0.005%
113	8.911	8.898	8.928	VV	199	2047	0.02%	0.002%
114	8.971	8.928	8.988	VV	869	15167	0.17%	0.018%
115	9.004	8.988	9.037	VV	1683	27816	0.32%	0.033%
116	9.079	9.037	9.211	VV	1460	74353	0.86%	0.088%
117	9.240	9.211	9.264	VV	613	13539	0.16%	0.016%
118	9.286	9.264	9.297	VV	519	8252	0.09%	0.010%
119	9.336	9.297	9.395	VV	1000	33732	0.39%	0.040%
120	9.417	9.395	9.428	VV	1268	16675	0.19%	0.020%
121	9.441	9.428	9.488	VV	1359	26593	0.31%	0.031%
122	9.509	9.488	9.544	VV	699	9340	0.11%	0.011%
123	9.573	9.544	9.597	VV	698	12028	0.14%	0.014%
124	9.654	9.597	9.682	VV	1712	35396	0.41%	0.042%
125	9.708	9.682	9.738	VV	736	12579	0.14%	0.015%
126	9.806	9.738	9.858	PV	1998	54138	0.62%	0.064%
127	9.880	9.858	9.908	VV	1313	21686	0.25%	0.026%
128	9.951	9.908	9.987	VV	983	29036	0.33%	0.034%
129	10.006	9.987	10.021	VV	524	7355	0.08%	0.009%
130	10.034	10.021	10.050	VV	538	5911	0.07%	0.007%
131	10.081	10.050	10.184	VV	19373	435567	5.01%	0.513%
132	10.198	10.184	10.218	VV	2283	38049	0.44%	0.045%
133	10.228	10.218	10.260	VV	1680	35835	0.41%	0.042%
134	10.290	10.260	10.344	VV	1218	48806	0.56%	0.057%
135	10.365	10.344	10.414	VV	908	24922	0.29%	0.029%
136	10.423	10.414	10.458	VV	352	5597	0.06%	0.007%
137	10.473	10.458	10.493	VV	273	3427	0.04%	0.004%
138	10.516	10.493	10.527	VV	508	6614	0.08%	0.008%
139	10.552	10.527	10.611	VV	5124	83369	0.96%	0.098%
140	10.654	10.611	10.674	VV	1413	33837	0.39%	0.040%
141	10.691	10.674	10.713	VV	1206	22701	0.26%	0.027%

					rteres			
142	10.728	10.713	10.770	VV	999	16379	0.19%	0.019%
143	10.801	10.770	10.841	VV	999	21802	0.25%	0.026%
144	10.899	10.841	10.923	VV	1703	50383	0.58%	0.059%
145	10.940	10.923	10.956	VV	1499	20783	0.24%	0.024%
146	10.974	10.956	10.989	VV	1701	23089	0.27%	0.027%
147	11.016	10.989	11.098	VV	2435	74424	0.86%	0.088%
148	11.109	11.098	11.133	VV	658	9275	0.11%	0.011%
149	11.165	11.133	11.184	VV	2340	37118	0.43%	0.044%
150	11.211	11.184	11.271	VV	45933	683971	7.87%	0.805%
151	11.293	11.271	11.331	VV	9030	180676	2.08%	0.213%
152	11.340	11.331	11.441	VV	3117	97010	1.12%	0.114%
153	11.470	11.441	11.492	VV	612	11811	0.14%	0.014%
154	11.536	11.492	11.568	PV	1803	49014	0.56%	0.058%
155	11.576	11.568	11.601	VV	1510	23197	0.27%	0.027%
156	11.623	11.601	11.634	VV	1840	26724	0.31%	0.031%
157	11.650	11.634	11.678	VV	3090	38898	0.45%	0.046%
158	11.699	11.678	11.717	VV	1180	18583	0.21%	0.022%
159	11.744	11.717	11.787	VV	3167	56591	0.65%	0.067%
160	11.808	11.787	11.824	VV	1719	22071	0.25%	0.026%
161	11.845	11.824	11.866	VV	3880	50471	0.58%	0.059%
162	11.894	11.866	11.924	VV	7931	108895	1.25%	0.128%
163	11.975	11.924	12.004	VV	795194	8691175	100.00%	10.232%
164	12.019	12.004	12.035	VV	8731	118541	1.36%	0.140%
165	12.052	12.035	12.102	VV	11484	200116	2.30%	0.236%
166	12.132	12.102	12.151	VV	9431	144690	1.66%	0.170%
167	12.169	12.151	12.186	VV	8355	115185	1.33%	0.136%
168	12.200	12.186	12.248	VV	7045	99290	1.14%	0.117%
169	12.268	12.248	12.285	PV	259	2660	0.03%	0.003%
170	12.317	12.285	12.344	VV	1124	17938	0.21%	0.021%
171	12.412	12.344	12.469	PV	4886	155435	1.79%	0.183%
172	12.492	12.469	12.539	VV	4437	79980	0.92%	0.094%
173	12.581	12.539	12.662	VV	24658	405897	4.67%	0.478%
174	12.683	12.662	12.726	VV	1789	40457	0.47%	0.048%
175	12.743	12.726	12.756	VV	891	12809	0.15%	0.015%
176	12.773	12.756	12.794	VV	1036	18754	0.22%	0.022%
177	12.813	12.794	12.852	VV	2246	35896	0.41%	0.042%
178	12.860	12.852	12.869	VV	270	1929	0.02%	0.002%
179	12.894	12.869	12.906	VV	5486	70018	0.81%	0.082%
180	12.920	12.906	12.939	VV	6285	83926	0.97%	0.099%
181	12.958	12.939	13.009	VV	4265	98214	1.13%	0.116%
182	13.038	13.009	13.101	VV	107341	1393084	16.03%	1.640%
183	13.153	13.101	13.167	VV	4582	81470	0.94%	0.096%
184	13.186	13.167	13.213	VV	7720	115492	1.33%	0.136%
185	13.229	13.213	13.261	VV	3235	50496	0.58%	0.059%
186	13.338	13.261	13.370	VV	88508	1155058	13.29%	1.360%
187	13.412	13.370	13.491	VV	403961	4913266	56.53%	5.785%
188	13.515	13.491	13.543	VV	7614	101587	1.17%	0.120%
189	13.570	13.543	13.595	VV	3846	63133	0.73%	0.074%
190	13.625	13.595	13.652	VV	6713	113526	1.31%	0.134%
191	13.671	13.652	13.691	VV	2228	38011	0.44%	0.045%
192	13.706	13.691	13.725	VV	1887	30559	0.35%	0.036%
193	13.749	13.725	13.770	VV	2477	48360	0.56%	0.057%
194	13.806	13.770	13.876	VV	6763	177484	2.04%	0.209%

					rteres			
195	13.935	13.876	13.977	PV	10587	229807	2.64%	0.271%
196	13.997	13.977	14.015	VV	1836	27267	0.31%	0.032%
197	14.043	14.015	14.063	VV	6318	94228	1.08%	0.111%
198	14.083	14.063	14.104	VV	7050	107147	1.23%	0.126%
199	14.115	14.104	14.141	VV	3538	48636	0.56%	0.057%
200	14.212	14.141	14.236	VV	7367	187480	2.16%	0.221%
201	14.255	14.236	14.277	VV	4644	67958	0.78%	0.080%
202	14.292	14.277	14.305	VV	1679	24508	0.28%	0.029%
203	14.318	14.305	14.351	VV	1769	36642	0.42%	0.043%
204	14.382	14.351	14.396	VV	2319	46564	0.54%	0.055%
205	14.412	14.396	14.435	VV	3044	48593	0.56%	0.057%
206	14.455	14.435	14.488	VV	2863	39123	0.45%	0.046%
207	14.556	14.488	14.581	PV	6787	113407	1.30%	0.134%
208	14.602	14.581	14.623	VV	8632	120158	1.38%	0.141%
209	14.644	14.623	14.663	VV	6584	98885	1.14%	0.116%
210	14.691	14.663	14.711	VV	5771	107086	1.23%	0.126%
211	14.728	14.711	14.760	VV	4641	90391	1.04%	0.106%
212	14.772	14.760	14.804	VV	2087	49063	0.56%	0.058%
213	14.858	14.804	14.887	VV	7095	175017	2.01%	0.206%
214	14.914	14.887	14.950	VV	10748	208463	2.40%	0.245%
215	14.972	14.950	14.987	VV	3870	66530	0.77%	0.078%
216	15.004	14.987	15.044	VV	5057	111219	1.28%	0.131%
217	15.056	15.044	15.087	VV	2442	48511	0.56%	0.057%
218	15.109	15.087	15.144	VV	4843	74825	0.86%	0.088%
219	15.230	15.144	15.249	PV	39505	534184	6.15%	0.629%
220	15.270	15.249	15.358	VV	43918	770125	8.86%	0.907%
221	15.391	15.358	15.409	VV	7171	110351	1.27%	0.130%
222	15.424	15.409	15.492	VV	3647	89423	1.03%	0.105%
223	15.578	15.492	15.628	VV	4402	133613	1.54%	0.157%
224	15.655	15.628	15.731	VV	22684	380368	4.38%	0.448%
225	15.741	15.731	15.761	VV	1068	14261	0.16%	0.017%
226	15.813	15.761	15.836	VV	5075	108092	1.24%	0.127%
227	15.866	15.836	15.885	VV	4342	55429	0.64%	0.065%
228	15.910	15.885	15.932	VV	9095	132879	1.53%	0.156%
229	15.947	15.932	15.977	VV	3911	64387	0.74%	0.076%
230	16.000	15.977	16.030	VV	2058	47630	0.55%	0.056%
231	16.075	16.030	16.122	VV	7630	192079	2.21%	0.226%
232	16.138	16.122	16.157	VV	1925	28935	0.33%	0.034%
233	16.174	16.157	16.211	VV	1988	36543	0.42%	0.043%
234	16.231	16.211	16.273	VV	1274	20350	0.23%	0.024%
235	16.299	16.273	16.313	PV	2502	33641	0.39%	0.040%
236	16.325	16.313	16.344	VV	1854	31106	0.36%	0.037%
237	16.358	16.344	16.397	VV	1816	33028	0.38%	0.039%
238	16.434	16.397	16.454	VV	1325	21752	0.25%	0.026%
239	16.505	16.454	16.533	VV	1805	37285	0.43%	0.044%
240	16.556	16.533	16.571	PV	1859	26594	0.31%	0.031%
241	16.598	16.571	16.631	VV	3205	68770	0.79%	0.081%
242	16.672	16.631	16.702	VV	16031	264771	3.05%	0.312%
243	16.713	16.702	16.738	VV	2858	42946	0.49%	0.051%
244	16.798	16.738	16.818	VV	51327	808542	9.30%	0.952%
245	16.827	16.818	16.899	VV	20572	346265	3.98%	0.408%
246	16.933	16.899	16.956	VV	8864	129138	1.49%	0.152%

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247	16.964	16.956	17.011	VV	2150	38496	0.44%	0.045%
248	17.081	17.011	17.096	PV	3903	71006	0.82%	0.084%
249	17.122	17.096	17.158	VV	29501	434810	5.00%	0.512%
250	17.184	17.158	17.226	VV	33455	546470	6.29%	0.643%
251	17.246	17.226	17.265	VV	5340	86709	1.00%	0.102%
252	17.291	17.265	17.315	VV	12472	208339	2.40%	0.245%
253	17.327	17.315	17.349	VV	3798	47172	0.54%	0.056%
254	17.370	17.349	17.383	VV	1434	18893	0.22%	0.022%
255	17.440	17.383	17.468	VV	2346	69608	0.80%	0.082%
256	17.490	17.468	17.507	VV	1578	22061	0.25%	0.026%
257	17.574	17.507	17.594	VV	3552	117549	1.35%	0.138%
258	17.617	17.594	17.656	VV	11534	198284	2.28%	0.233%
259	17.700	17.656	17.755	VV	21967	360632	4.15%	0.425%
260	17.781	17.755	17.800	PV	2270	39880	0.46%	0.047%
261	17.849	17.800	17.863	VV	2911	69494	0.80%	0.082%
262	17.873	17.863	17.901	VV	2478	34129	0.39%	0.040%
263	17.909	17.901	17.926	VV	914	7924	0.09%	0.009%
264	17.977	17.926	18.009	PV	1430	26799	0.31%	0.032%
265	18.055	18.009	18.081	PV	1939	45092	0.52%	0.053%
266	18.139	18.081	18.171	VV	10525	207367	2.39%	0.244%
267	18.228	18.171	18.251	VV	6715	186163	2.14%	0.219%
268	18.282	18.251	18.303	VV	6248	141919	1.63%	0.167%
269	18.371	18.303	18.424	VV	8716	340791	3.92%	0.401%
270	18.471	18.424	18.482	VV	14371	268311	3.09%	0.316%
271	18.503	18.482	18.516	VV	24534	390588	4.49%	0.460%
272	18.534	18.516	18.544	VV	29751	403912	4.65%	0.476%
273	18.565	18.544	18.597	VV	54037	922425	10.61%	1.086%
274	18.609	18.597	18.634	VV	9367	173055	1.99%	0.204%
275	18.657	18.634	18.678	VV	9240	184709	2.13%	0.217%
276	18.703	18.678	18.717	VV	9537	180694	2.08%	0.213%
277	18.730	18.717	18.752	VV	8645	145736	1.68%	0.172%
278	18.771	18.752	18.791	VV	5631	116914	1.35%	0.138%
279	18.823	18.791	18.884	VV	27976	625964	7.20%	0.737%
280	18.969	18.884	19.037	VV	30270	934681	10.75%	1.100%
281	19.093	19.037	19.128	VV	18177	650225	7.48%	0.766%
282	19.146	19.128	19.159	VV	9062	155443	1.79%	0.183%
283	19.178	19.159	19.206	VV	8082	202015	2.32%	0.238%
284	19.335	19.206	19.359	VV	62213	1707874	19.65%	2.011%
285	19.374	19.359	19.427	VV	29989	801973	9.23%	0.944%
286	19.453	19.427	19.485	VV	20668	555869	6.40%	0.654%
287	19.511	19.485	19.544	VV	23357	622378	7.16%	0.733%
288	19.569	19.544	19.586	VV	17921	384388	4.42%	0.453%
289	19.617	19.586	19.655	VV	30435	861320	9.91%	1.014%
290	19.676	19.655	19.701	VV	20492	458155	5.27%	0.539%
291	19.761	19.701	19.803	VV	22921	1036121	11.92%	1.220%
292	19.831	19.803	19.854	VV	36458	783118	9.01%	0.922%
293	19.873	19.854	19.897	VV	23258	534630	6.15%	0.629%
294	19.911	19.897	19.923	VV	19544	293987	3.38%	0.346%
295	19.945	19.923	19.960	VV	21454	456910	5.26%	0.538%
296	19.992	19.960	20.013	VV	28916	770161	8.86%	0.907%
297	20.057	20.013	20.086	VV	31710	1155787	13.30%	1.361%
298	20.116	20.086	20.189	VV	35239	1869478	21.51%	2.201%
299	20.198	20.189	20.235	VV	27112	724035	8.33%	0.852%

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300	20.287	20.235	20.302	VV	28812	1074665	12.37%	1.265%
301	20.319	20.302	20.338	VV	28722	591643	6.81%	0.697%
302	20.381	20.338	20.424	VV	42438	1892608	21.78%	2.228%
303	20.447	20.424	20.475	VV	41238	1198288	13.79%	1.411%
304	20.504	20.475	20.516	VV	43567	995459	11.45%	1.172%
305	20.537	20.516	20.588	VV	47951	1791437	20.61%	2.109%
306	20.618	20.588	20.646	VV	39221	1328836	15.29%	1.564%
307	20.667	20.646	20.688	VV	40501	973554	11.20%	1.146%
308	20.752	20.688	20.778	VV	41899	2160731	24.86%	2.544%
309	20.860	20.778	20.889	VV	47048	2884814	33.19%	3.396%
310	20.917	20.889	20.942	VV	42827	1332364	15.33%	1.569%
311	20.962	20.942	21.026	VV	40087	1932645	22.24%	2.275%
312	21.044	21.026	21.081	VV	37249	1158953	13.33%	1.364%
313	21.107	21.081	21.118	VV	32521	720262	8.29%	0.848%
314	21.165	21.118	21.217	VV	33031	1881304	21.65%	2.215%
315	21.254	21.217	21.281	VV	31365	1169097	13.45%	1.376%
316	21.317	21.281	21.352	VV	32810	1290269	14.85%	1.519%
317	21.378	21.352	21.402	VV	27582	801418	9.22%	0.944%
318	21.425	21.402	21.440	VV	26854	601402	6.92%	0.708%
319	21.466	21.440	21.494	VV	27508	852070	9.80%	1.003%
320	21.514	21.494	21.524	VV	25916	467346	5.38%	0.550%
321	21.538	21.524	21.626	VV	24763	1338063	15.40%	1.575%
322	21.693	21.626	21.744	VV	21819	1395263	16.05%	1.643%
323	21.774	21.744	21.798	VV	17505	549616	6.32%	0.647%
324	21.868	21.798	21.879	VV	18288	845074	9.72%	0.995%
325	21.890	21.879	22.002	VV	17873	1044842	12.02%	1.230%
326	22.050	22.002	22.060	VV	9924	344564	3.96%	0.406%
327	22.091	22.060	22.101	VV	10199	237594	2.73%	0.280%
328	22.159	22.101	22.248	VV	13294	786436	9.05%	0.926%
329	22.264	22.248	22.326	VV	5267	157185	1.81%	0.185%
330	22.363	22.326	22.374	VV	1994	44781	0.52%	0.053%
331	22.382	22.374	22.425	VV	1226	21263	0.24%	0.025%
332	22.461	22.425	22.471	VV	1216	16774	0.19%	0.020%
					Sum of corrected areas:		84938362	

Aliphatic EPH 103025.M Wed Nov 05 01:23:43 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC	Date Collected:	10/27/25
Project:	7 Rynda Road, Maplewood	Date Received:	10/27/25
Client Sample ID:	4	SDG No.:	Q3474
Lab Sample ID:	Q3474-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.05 g	Test:	EPH_F2
Prep Method :	Final Vol: 2000 uL Prep Date : 11/03/25		

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

TARGETS

Aliphatic C9-C28	Aliphatic C9-C28	15.4		1	1.04	4.60	mg/kg	FC070129.D	11/03/25 19:45	PB170385
Total EPH	Total EPH	15.4			1.04	4.60	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:	10/27/25
Project:	7 Rynda Road, Maplewood	Date Received:	10/27/25
Client Sample ID:	4	SDG No.:	Q3474
Lab Sample ID:	Q3474-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.05 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_F2
	Prep Date	11/03/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	15.4	1		1.04	4.60	mg/kg	11/03/25	PB170385
Aliphatic C28-C40	Aliphatic C28-C40	63.0	E 1		1.36	2.30	mg/kg	11/03/25	PB170385
SURROGATES									
3383-33-2	1-chlorooctadecane (SURRE)	28.3			40 - 140	57%	SPK: 50		
84-15-1	ortho-Terphenyl (SURRE)	26.0			40 - 140	52%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3474-06	Acq On:	03 Nov 2025 19:45
Client Sample ID:	4	Operator:	YP/AJ
Data file:	FC070129.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.571	1426449	9.852	300	ug/ml
Aliphatic C12-C16	6.572	9.972	2528979	15.441	200	ug/ml
Aliphatic C16-C21	9.973	13.339	10483314	64.734	300	ug/ml
Aliphatic C21-C28	13.340	17.004	16382068	111.335	400	ug/ml
Aliphatic C28-C40	17.005	21.958	88541541	822.878	600	ug/ml
Aliphatic EPH	3.277	21.958	119362351	1020		ug/ml
ortho-Terphenyl (SURR)	11.640	11.640	4572010	26.04		ug/ml
1-chlorooctadecane (SURR)	13.076	13.076	3840459	28.29		ug/ml
Aliphatic C9-C28	3.277	17.004	30820810	201.362	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
 Data File : FC070129.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2025 19:45
 Operator : YP/AJ
 Sample : Q3474-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 4

Integration File: autoint1.e
 Quant Time: Nov 04 03:31:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 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)	11.640	4572010	26.036 ug/ml
Spiked Amount 50.000		Recovery =	52.07%
12) S 1-chlorooctadecane (S...	13.076	3840459	28.292 ug/ml
Spiked Amount 50.000		Recovery =	56.58%

Target Compounds

(f)=RT Delta > 1/2 Window

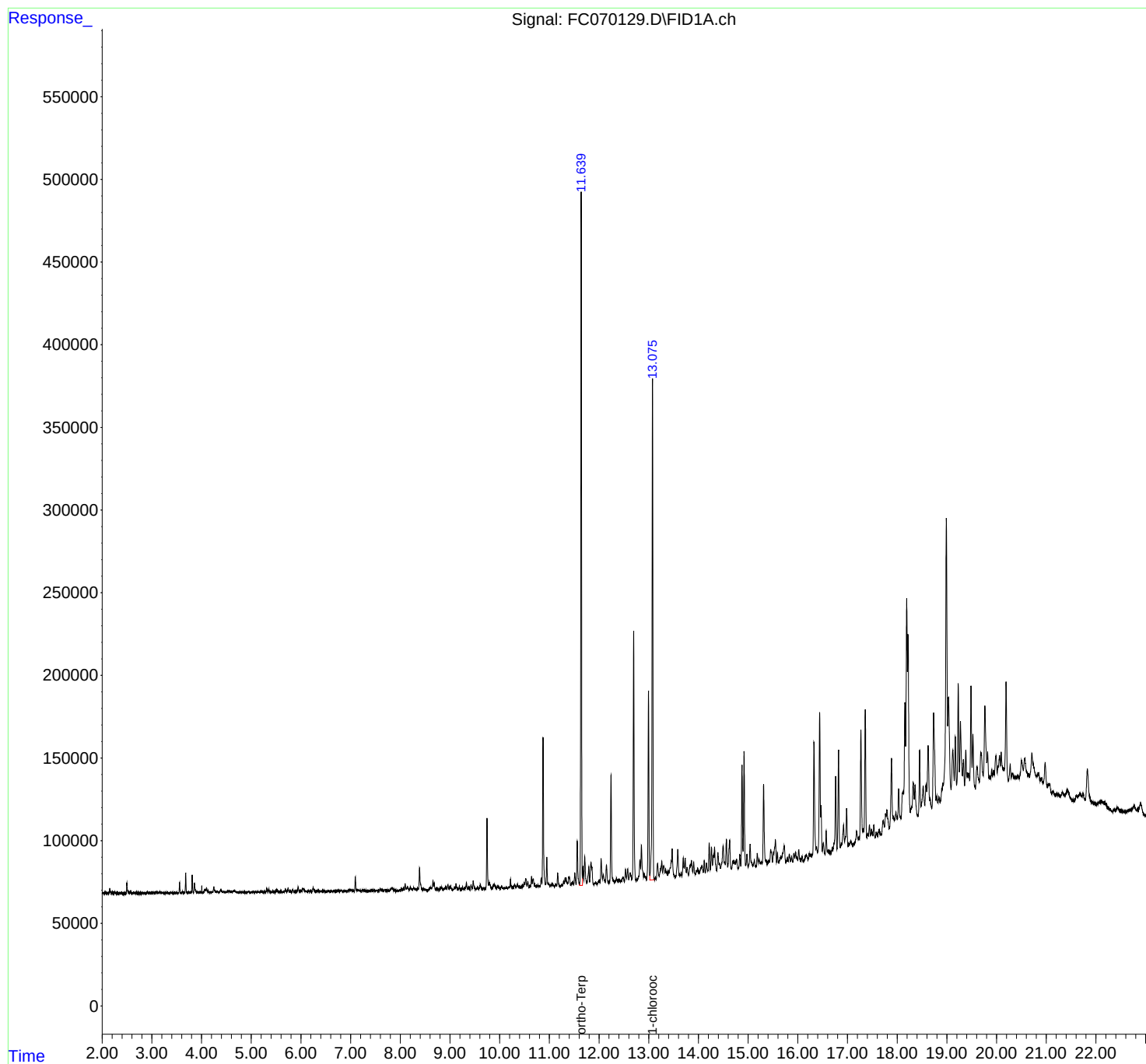
(m)=manual int.

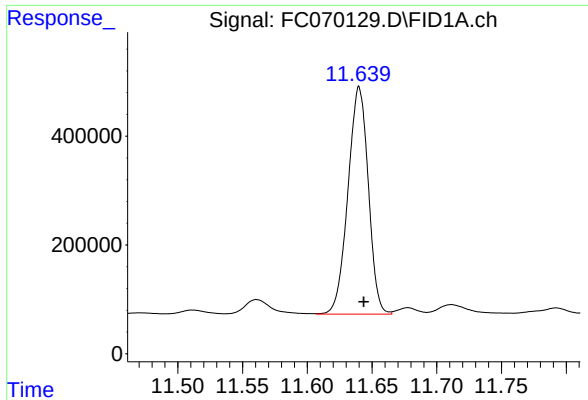
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
Data File : FC070129.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 19:45
Operator : YP/AJ
Sample : Q3474-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
4

Integration File: autoint1.e
Quant Time: Nov 04 03:31:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

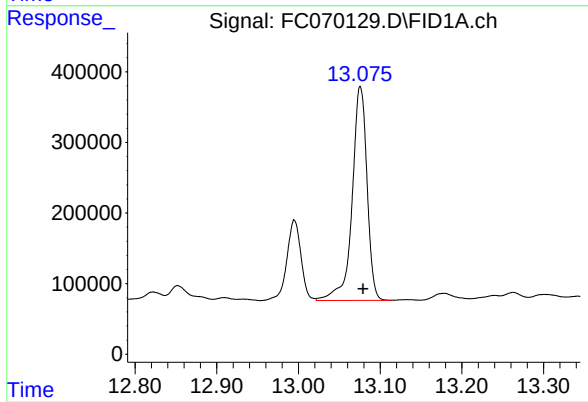




#9 ortho-Terphenyl (SURR)

R.T.: 11.640 min
Delta R.T.: -0.004 min
Response: 4572010
Conc: 26.04 ug/ml

Instrument :
FID_C
ClientSampleId :
4



#12 1-chlorooctadecane (SURR)

R.T.: 13.076 min
Delta R.T.: -0.003 min
Response: 3840459
Conc: 28.29 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
 Data File : FC070129.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2025 19:45
 Sample : Q3474-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.307	3.218	3.360	BV	86	86	0.00%	0.000%
2	3.385	3.360	3.469	PV	475	10840	0.19%	0.008%
3	3.488	3.469	3.498	VV	80	1402	0.02%	0.001%
4	3.507	3.498	3.530	VV	126	1193	0.02%	0.001%
5	3.558	3.530	3.597	VV	6475	57640	1.00%	0.045%
6	3.617	3.597	3.637	PV	1011	10487	0.18%	0.008%
7	3.650	3.637	3.660	VV	261	2682	0.05%	0.002%
8	3.682	3.660	3.721	VV	12300	110983	1.92%	0.086%
9	3.750	3.721	3.777	VV	527	10900	0.19%	0.008%
10	3.812	3.777	3.836	VV	11015	101291	1.75%	0.079%
11	3.857	3.836	3.948	VV	6057	103320	1.78%	0.080%
12	3.963	3.948	3.991	VV	557	10457	0.18%	0.008%
13	4.004	3.991	4.024	VV	1586	7626	0.13%	0.006%
14	4.066	4.024	4.086	VV	2286	42760	0.74%	0.033%
15	4.101	4.086	4.185	VV	2913	63307	1.09%	0.049%
16	4.195	4.185	4.208	VV	521	6099	0.11%	0.005%
17	4.246	4.208	4.301	VV	3588	71792	1.24%	0.056%
18	4.317	4.301	4.364	VV	1294	25209	0.44%	0.020%
19	4.384	4.364	4.438	VV	1894	43628	0.75%	0.034%
20	4.449	4.438	4.484	VV	887	14187	0.24%	0.011%
21	4.496	4.484	4.508	VV	510	5361	0.09%	0.004%
22	4.528	4.508	4.543	VV	1445	17653	0.30%	0.014%
23	4.559	4.543	4.585	VV	1410	22365	0.39%	0.017%
24	4.596	4.585	4.614	VV	676	9504	0.16%	0.007%
25	4.654	4.614	4.724	VV	1282	47623	0.82%	0.037%
26	4.734	4.724	4.767	VV	491	7317	0.13%	0.006%
27	4.791	4.767	4.891	VV	498	20495	0.35%	0.016%
28	4.925	4.891	4.933	VV	298	5285	0.09%	0.004%
29	4.952	4.933	4.997	VV	906	13048	0.23%	0.010%
30	5.029	4.997	5.068	VV	560	10839	0.19%	0.008%
31	5.085	5.068	5.110	PV	412	6250	0.11%	0.005%
32	5.129	5.110	5.161	VV	528	10581	0.18%	0.008%
33	5.197	5.161	5.244	VV	800	22022	0.38%	0.017%
34	5.257	5.244	5.268	VV	558	5122	0.09%	0.004%
35	5.280	5.268	5.290	VV	362	4284	0.07%	0.003%
36	5.314	5.290	5.337	VV	2318	36585	0.63%	0.028%

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37	5.355	5.337	5.411	VV	1992	27344	0.47%	0.021%
38	5.437	5.411	5.474	VV	690	10772	0.19%	0.008%
39	5.520	5.474	5.581	VV	1593	40733	0.70%	0.032%
40	5.599	5.581	5.638	VV	602	10775	0.19%	0.008%
41	5.655	5.638	5.667	VV	653	6452	0.11%	0.005%
42	5.686	5.667	5.719	VV	1949	30448	0.53%	0.024%
43	5.741	5.719	5.814	VV	2568	44307	0.77%	0.034%
44	5.837	5.814	5.864	VV	1618	22293	0.38%	0.017%
45	5.944	5.864	5.988	VV	3249	65081	1.12%	0.051%
46	6.008	5.988	6.017	VV	783	10667	0.18%	0.008%
47	6.044	6.017	6.088	VV	2224	56698	0.98%	0.044%
48	6.097	6.088	6.123	VV	726	10995	0.19%	0.009%
49	6.147	6.123	6.165	VV	1062	14398	0.25%	0.011%
50	6.185	6.165	6.207	VV	769	12491	0.22%	0.010%
51	6.247	6.207	6.298	VV	2377	49068	0.85%	0.038%
52	6.341	6.298	6.380	VV	915	28065	0.48%	0.022%
53	6.393	6.380	6.410	VV	446	7080	0.12%	0.005%
54	6.429	6.410	6.455	VV	784	13200	0.23%	0.010%
55	6.471	6.455	6.504	VV	532	8192	0.14%	0.006%
56	6.512	6.504	6.526	VV	368	3171	0.05%	0.002%
57	6.550	6.526	6.578	VV	826	13996	0.24%	0.011%
58	6.598	6.578	6.608	VV	433	5513	0.10%	0.004%
59	6.619	6.608	6.644	VV	366	5912	0.10%	0.005%
60	6.674	6.644	6.685	VV	435	7150	0.12%	0.006%
61	6.695	6.685	6.710	VV	366	5036	0.09%	0.004%
62	6.721	6.710	6.732	VV	439	4721	0.08%	0.004%
63	6.748	6.732	6.778	VV	935	12076	0.21%	0.009%
64	6.805	6.778	6.831	VV	835	14230	0.25%	0.011%
65	6.869	6.831	6.895	VV	399	11375	0.20%	0.009%
66	6.906	6.895	6.924	VV	302	4133	0.07%	0.003%
67	6.947	6.924	6.974	VV	696	14768	0.26%	0.011%
68	6.994	6.974	7.061	VV	904	31167	0.54%	0.024%
69	7.096	7.061	7.118	VV	8755	99131	1.71%	0.077%
70	7.139	7.118	7.216	VV	937	34805	0.60%	0.027%
71	7.237	7.216	7.255	VV	1207	14351	0.25%	0.011%
72	7.269	7.255	7.286	VV	819	10604	0.18%	0.008%
73	7.301	7.286	7.335	VV	479	10005	0.17%	0.008%
74	7.396	7.335	7.409	VV	592	12116	0.21%	0.009%
75	7.422	7.409	7.456	VV	555	13407	0.23%	0.010%
76	7.473	7.456	7.506	VV	724	14262	0.25%	0.011%
77	7.524	7.506	7.570	VV	517	11170	0.19%	0.009%
78	7.594	7.570	7.620	VV	1676	24289	0.42%	0.019%
79	7.636	7.620	7.667	VV	765	15537	0.27%	0.012%
80	7.689	7.667	7.718	VV	1184	17092	0.30%	0.013%
81	7.738	7.718	7.749	VV	333	4373	0.08%	0.003%
82	7.763	7.749	7.777	VV	415	4854	0.08%	0.004%
83	7.829	7.777	7.871	VV	2167	64968	1.12%	0.050%
84	7.881	7.871	7.918	VV	635	11833	0.20%	0.009%
85	7.935	7.918	7.959	VV	248	3237	0.06%	0.003%
86	8.022	7.959	8.046	PV	1211	27301	0.47%	0.021%
87	8.065	8.046	8.080	VV	1920	22497	0.39%	0.017%
88	8.097	8.080	8.122	VV	4326	57607	0.99%	0.045%
89	8.144	8.122	8.178	VV	2369	50884	0.88%	0.039%

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90	8.200	8.178	8.218	VV	2182	30287	0.52%	0.024%
91	8.230	8.218	8.247	VV	1233	18041	0.31%	0.014%
92	8.270	8.247	8.293	VV	1842	36023	0.62%	0.028%
93	8.303	8.293	8.324	VV	1054	15964	0.28%	0.012%
94	8.387	8.324	8.459	VV	13688	242307	4.18%	0.188%
95	8.481	8.459	8.548	VV	893	26983	0.47%	0.021%
96	8.605	8.548	8.628	VV	1869	47704	0.82%	0.037%
97	8.658	8.628	8.671	VV	5911	78794	1.36%	0.061%
98	8.682	8.671	8.704	VV	4578	49604	0.86%	0.039%
99	8.736	8.704	8.756	VV	1081	23628	0.41%	0.018%
100	8.769	8.756	8.781	VV	572	6803	0.12%	0.005%
101	8.806	8.781	8.815	VV	1153	16779	0.29%	0.013%
102	8.831	8.815	8.870	VV	1925	31721	0.55%	0.025%
103	8.917	8.870	8.937	VV	1888	42983	0.74%	0.033%
104	8.958	8.937	8.979	VV	3047	44566	0.77%	0.035%
105	9.014	8.979	9.054	VV	1994	45751	0.79%	0.036%
106	9.090	9.054	9.104	PV	2010	24767	0.43%	0.019%
107	9.121	9.104	9.171	VV	3881	61260	1.06%	0.048%
108	9.188	9.171	9.228	VV	2065	25600	0.44%	0.020%
109	9.247	9.228	9.261	VV	1030	12698	0.22%	0.010%
110	9.280	9.261	9.294	VV	794	11826	0.20%	0.009%
111	9.331	9.294	9.352	VV	4378	63105	1.09%	0.049%
112	9.383	9.352	9.403	VV	1196	24797	0.43%	0.019%
113	9.423	9.403	9.447	VV	2836	38485	0.66%	0.030%
114	9.468	9.447	9.518	VV	5257	77462	1.34%	0.060%
115	9.551	9.518	9.577	VV	1178	23495	0.41%	0.018%
116	9.610	9.577	9.661	VV	2581	48928	0.84%	0.038%
117	9.678	9.661	9.697	VV	919	9558	0.17%	0.007%
118	9.745	9.697	9.776	PV	42904	501423	8.66%	0.389%
119	9.792	9.776	9.828	VV	4217	82072	1.42%	0.064%
120	9.840	9.828	9.854	VV	804	10915	0.19%	0.008%
121	9.891	9.854	9.941	VV	2959	81785	1.41%	0.063%
122	9.960	9.941	10.014	VV	1403	32461	0.56%	0.025%
123	10.037	10.014	10.083	VV	1433	24335	0.42%	0.019%
124	10.099	10.083	10.113	VV	426	5174	0.09%	0.004%
125	10.135	10.113	10.161	VV	483	9137	0.16%	0.007%
126	10.187	10.161	10.201	VV	1222	15565	0.27%	0.012%
127	10.218	10.201	10.248	VV	5644	66568	1.15%	0.052%
128	10.265	10.248	10.281	VV	725	11521	0.20%	0.009%
129	10.300	10.281	10.333	VV	2036	39087	0.68%	0.030%
130	10.356	10.333	10.379	VV	2120	38872	0.67%	0.030%
131	10.392	10.379	10.418	VV	1024	13607	0.23%	0.011%
132	10.466	10.418	10.477	PV	1400	31817	0.55%	0.025%
133	10.495	10.477	10.506	VV	3071	38832	0.67%	0.030%
134	10.525	10.506	10.550	VV	5766	88845	1.53%	0.069%
135	10.567	10.550	10.592	VV	3659	51293	0.89%	0.040%
136	10.609	10.592	10.620	VV	1398	17620	0.30%	0.014%
137	10.642	10.620	10.657	VV	6813	83877	1.45%	0.065%
138	10.674	10.657	10.724	VV	5298	111411	1.92%	0.086%
139	10.741	10.724	10.752	VV	915	11916	0.21%	0.009%
140	10.770	10.752	10.787	VV	1550	20702	0.36%	0.016%
141	10.836	10.787	10.849	VV	5404	79517	1.37%	0.062%

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142	10.873	10.849	10.924	VV	90128	1109565	19.16%	0.861%
143	10.949	10.924	11.017	VV	18093	258198	4.46%	0.200%
144	11.062	11.017	11.104	VV	1645	45452	0.78%	0.035%
145	11.126	11.104	11.146	VV	1585	23871	0.41%	0.019%
146	11.168	11.146	11.211	VV	8136	109831	1.90%	0.085%
147	11.243	11.211	11.258	PV	865	13923	0.24%	0.011%
148	11.289	11.258	11.301	VV	3027	42636	0.74%	0.033%
149	11.316	11.301	11.327	VV	4964	54450	0.94%	0.042%
150	11.337	11.327	11.374	VV	5067	81566	1.41%	0.063%
151	11.395	11.374	11.429	VV	5388	112917	1.95%	0.088%
152	11.471	11.429	11.490	VV	2575	54710	0.94%	0.042%
153	11.512	11.490	11.536	VV	7665	103527	1.79%	0.080%
154	11.561	11.536	11.605	VV	26857	375537	6.49%	0.291%
155	11.640	11.605	11.664	VV	416238	4570987	78.94%	3.548%
156	11.678	11.664	11.692	VV	11803	125900	2.17%	0.098%
157	11.711	11.692	11.757	VV	17305	285303	4.93%	0.221%
158	11.792	11.757	11.810	VV	11072	177227	3.06%	0.138%
159	11.838	11.810	11.891	VV	13135	331610	5.73%	0.257%
160	11.936	11.891	11.957	PV	1399	31284	0.54%	0.024%
161	12.005	11.957	12.018	VV	2384	49589	0.86%	0.038%
162	12.042	12.018	12.068	VV	15308	227742	3.93%	0.177%
163	12.085	12.068	12.123	VV	5747	113276	1.96%	0.088%
164	12.149	12.123	12.194	VV	11284	183391	3.17%	0.142%
165	12.240	12.194	12.311	VV	65802	852309	14.72%	0.662%
166	12.349	12.311	12.384	VV	2561	61556	1.06%	0.048%
167	12.399	12.384	12.433	VV	1881	35700	0.62%	0.028%
168	12.487	12.433	12.508	VV	3186	76524	1.32%	0.059%
169	12.533	12.508	12.553	VV	7732	109989	1.90%	0.085%
170	12.576	12.553	12.598	VV	7832	124079	2.14%	0.096%
171	12.625	12.598	12.658	VV	5391	126443	2.18%	0.098%
172	12.696	12.658	12.741	VV	152159	1793728	30.98%	1.392%
173	12.763	12.741	12.775	VV	1224	17985	0.31%	0.014%
174	12.822	12.775	12.836	VV	12550	209058	3.61%	0.162%
175	12.853	12.836	12.895	VV	21528	364499	6.29%	0.283%
176	12.909	12.895	12.954	VV	4388	79889	1.38%	0.062%
177	12.995	12.954	13.021	PV	114111	1367935	23.62%	1.062%
178	13.076	13.021	13.114	VV	304210	3839897	66.31%	2.980%
179	13.134	13.114	13.148	PV	834	8971	0.15%	0.007%
180	13.178	13.148	13.210	PV	9624	172216	2.97%	0.134%
181	13.263	13.210	13.282	VV	10592	249633	4.31%	0.194%
182	13.302	13.282	13.328	VV	7524	161599	2.79%	0.125%
183	13.341	13.328	13.378	VV	5003	108108	1.87%	0.084%
184	13.395	13.378	13.407	VV	4031	54427	0.94%	0.042%
185	13.471	13.407	13.538	VV	17380	453502	7.83%	0.352%
186	13.585	13.538	13.624	VV	16520	280571	4.85%	0.218%
187	13.652	13.624	13.668	VV	1760	26275	0.45%	0.020%
188	13.695	13.668	13.714	VV	11018	158183	2.73%	0.123%
189	13.733	13.714	13.756	VV	10814	159643	2.76%	0.124%
190	13.773	13.756	13.800	VV	5027	75046	1.30%	0.058%
191	13.860	13.800	13.886	VV	8834	241883	4.18%	0.188%
192	13.905	13.886	13.938	VV	7557	101213	1.75%	0.079%
193	13.957	13.938	13.967	PV	2346	24441	0.42%	0.019%
194	13.983	13.967	14.001	VV	3642	49380	0.85%	0.038%

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195	14.013	14.001	14.025	VV	1746	19529	0.34%	0.015%
196	14.071	14.025	14.097	VV	4192	132468	2.29%	0.103%
197	14.117	14.097	14.139	VV	7809	92349	1.59%	0.072%
198	14.162	14.139	14.188	VV	6179	96673	1.67%	0.075%
199	14.217	14.188	14.240	VV	18109	245494	4.24%	0.191%
200	14.263	14.240	14.284	VV	15246	226040	3.90%	0.175%
201	14.325	14.284	14.365	VV	15273	372311	6.43%	0.289%
202	14.393	14.365	14.416	VV	11669	191654	3.31%	0.149%
203	14.425	14.416	14.445	VV	4984	65242	1.13%	0.051%
204	14.497	14.445	14.540	VV	15228	411260	7.10%	0.319%
205	14.563	14.540	14.589	VV	19029	293154	5.06%	0.228%
206	14.628	14.589	14.667	VV	18329	364884	6.30%	0.283%
207	14.693	14.667	14.706	VV	5591	83949	1.45%	0.065%
208	14.718	14.706	14.736	VV	5694	84482	1.46%	0.066%
209	14.768	14.736	14.799	VV	6312	138828	2.40%	0.108%
210	14.832	14.799	14.851	VV	8736	119734	2.07%	0.093%
211	14.877	14.851	14.897	VV	62657	813111	14.04%	0.631%
212	14.918	14.897	14.952	VV	70567	932099	16.10%	0.723%
213	14.976	14.952	14.999	VV	8423	121634	2.10%	0.094%
214	15.039	14.999	15.094	VV	14336	272435	4.70%	0.211%
215	15.125	15.094	15.160	VV	4492	75203	1.30%	0.058%
216	15.184	15.160	15.203	VV	8235	107267	1.85%	0.083%
217	15.219	15.203	15.248	VV	4622	86810	1.50%	0.067%
218	15.266	15.248	15.282	VV	2677	47143	0.81%	0.037%
219	15.311	15.282	15.386	VV	49350	802911	13.87%	0.623%
220	15.454	15.386	15.490	VV	9413	268859	4.64%	0.209%
221	15.549	15.490	15.572	VV	15158	395174	6.82%	0.307%
222	15.589	15.572	15.615	VV	7106	92299	1.59%	0.072%
223	15.657	15.615	15.668	VV	4395	88815	1.53%	0.069%
224	15.727	15.668	15.760	VV	10988	327868	5.66%	0.254%
225	15.791	15.760	15.807	VV	2902	53388	0.92%	0.041%
226	15.828	15.807	15.856	VV	5332	91475	1.58%	0.071%
227	15.875	15.856	15.896	VV	3498	48139	0.83%	0.037%
228	15.922	15.896	15.938	VV	5481	78630	1.36%	0.061%
229	15.955	15.938	15.998	VV	6148	125439	2.17%	0.097%
230	16.018	15.998	16.064	VV	7446	119929	2.07%	0.093%
231	16.087	16.064	16.109	VV	3014	42231	0.73%	0.033%
232	16.152	16.109	16.160	PV	2964	38007	0.66%	0.029%
233	16.175	16.160	16.206	VV	3533	64887	1.12%	0.050%
234	16.227	16.206	16.241	VV	4193	54271	0.94%	0.042%
235	16.258	16.241	16.271	VV	3255	51751	0.89%	0.040%
236	16.326	16.271	16.367	VV	71279	1178085	20.34%	0.914%
237	16.377	16.367	16.395	VV	7235	101765	1.76%	0.079%
238	16.440	16.395	16.493	VV	88251	1727774	29.84%	1.341%
239	16.513	16.493	16.546	VV	9106	184978	3.19%	0.144%
240	16.571	16.546	16.595	VV	16245	239072	4.13%	0.186%
241	16.605	16.595	16.655	VV	4007	117321	2.03%	0.091%
242	16.694	16.655	16.706	VV	5240	109360	1.89%	0.085%
243	16.762	16.706	16.788	VV	47928	803430	13.87%	0.624%
244	16.820	16.788	16.857	VV	63666	964468	16.66%	0.749%
245	16.920	16.857	16.942	VV	18171	512512	8.85%	0.398%
246	16.983	16.942	17.011	VV	27812	572805	9.89%	0.445%

rteres								
247	17.063	17.011	17.108	VV	7264	348829	6.02%	0.271%
248	17.185	17.108	17.216	VV	12630	515852	8.91%	0.400%
249	17.226	17.216	17.238	VV	8396	109752	1.90%	0.085%
250	17.270	17.238	17.305	VV	73522	1285927	22.21%	0.998%
251	17.358	17.305	17.389	VV	85571	1582699	27.33%	1.228%
252	17.406	17.389	17.420	VV	10201	179202	3.09%	0.139%
253	17.442	17.420	17.462	VV	15591	301055	5.20%	0.234%
254	17.484	17.462	17.508	VV	12406	286572	4.95%	0.222%
255	17.530	17.508	17.558	VV	14941	324815	5.61%	0.252%
256	17.578	17.558	17.610	VV	10334	276807	4.78%	0.215%
257	17.636	17.610	17.664	VV	11725	328828	5.68%	0.255%
258	17.674	17.664	17.683	VV	8605	95806	1.65%	0.074%
259	17.721	17.683	17.744	VV	16897	495526	8.56%	0.385%
260	17.794	17.744	17.841	VV	22503	1022643	17.66%	0.794%
261	17.886	17.841	17.914	VV	53254	1215121	20.98%	0.943%
262	17.924	17.914	17.943	VV	18238	293151	5.06%	0.228%
263	17.974	17.943	18.008	VV	20587	698008	12.05%	0.542%
264	18.029	18.008	18.075	VV	34190	908147	15.68%	0.705%
265	18.155	18.075	18.170	VV	86289	2347244	40.53%	1.822%
266	18.191	18.170	18.207	VV	148468	2471199	42.68%	1.918%
267	18.218	18.207	18.264	VV	126247	2304651	39.80%	1.789%
268	18.322	18.264	18.343	VV	36678	1253134	21.64%	0.973%
269	18.359	18.343	18.421	VV	34737	1097326	18.95%	0.852%
270	18.451	18.421	18.478	VV	55491	1070368	18.48%	0.831%
271	18.523	18.478	18.553	VV	33680	1211473	20.92%	0.940%
272	18.580	18.553	18.594	VV	34504	733082	12.66%	0.569%
273	18.622	18.594	18.698	VV	57647	2032402	35.10%	1.577%
274	18.733	18.698	18.781	VV	76102	2260357	39.03%	1.754%
275	18.797	18.781	18.818	VV	26435	542513	9.37%	0.421%
276	18.839	18.818	18.861	VV	25808	621202	10.73%	0.482%
277	18.989	18.861	19.016	VV	192284	5790691	100.00%	4.494%
278	19.032	19.016	19.083	VV	84950	2309845	39.89%	1.793%
279	19.118	19.083	19.147	VV	52519	1616583	27.92%	1.255%
280	19.169	19.147	19.196	VV	60270	1305217	22.54%	1.013%
281	19.228	19.196	19.251	VV	92433	1842494	31.82%	1.430%
282	19.273	19.251	19.313	VV	68864	1852621	31.99%	1.438%
283	19.333	19.313	19.356	VV	45988	1014233	17.51%	0.787%
284	19.381	19.356	19.401	VV	51234	1083962	18.72%	0.841%
285	19.411	19.401	19.425	VV	37539	515554	8.90%	0.400%
286	19.438	19.425	19.457	VV	37056	692015	11.95%	0.537%
287	19.486	19.457	19.507	VV	89687	1710191	29.53%	1.327%
288	19.524	19.507	19.573	VV	59981	1596837	27.58%	1.239%
289	19.610	19.573	19.653	VV	39571	1646926	28.44%	1.278%
290	19.685	19.653	19.729	VV	48243	1840578	31.79%	1.429%
291	19.765	19.729	19.804	VV	76119	2393056	41.33%	1.857%
292	19.820	19.804	19.844	VV	48102	998879	17.25%	0.775%
293	19.855	19.844	19.883	VV	32965	747166	12.90%	0.580%
294	19.901	19.883	19.915	VV	36237	664031	11.47%	0.515%
295	19.943	19.915	19.954	VV	36205	814628	14.07%	0.632%
296	19.987	19.954	20.013	VV	44898	1388899	23.99%	1.078%
297	20.061	20.013	20.077	VV	44660	1538518	26.57%	1.194%
298	20.093	20.077	20.141	VV	46153	1522752	26.30%	1.182%
299	20.192	20.141	20.238	VV	88328	2735458	47.24%	2.123%

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300	20.274	20.238	20.295	VV	38229	1131293	19.54%	0.878%
301	20.324	20.295	20.371	VV	32541	1410898	24.36%	1.095%
302	20.383	20.371	20.402	VV	30347	563197	9.73%	0.437%
303	20.433	20.402	20.454	VV	30694	930816	16.07%	0.722%
304	20.503	20.454	20.537	VV	39522	1718917	29.68%	1.334%
305	20.567	20.537	20.631	VV	40247	1960309	33.85%	1.522%
306	20.642	20.631	20.664	VV	31138	608327	10.51%	0.472%
307	20.712	20.664	20.804	VV	42973	2829082	48.86%	2.196%
308	20.844	20.804	20.879	VV	30149	1277294	22.06%	0.991%
309	20.904	20.879	20.931	VV	26892	797586	13.77%	0.619%
310	20.978	20.931	21.019	VV	35812	1453381	25.10%	1.128%
311	21.046	21.019	21.110	VV	22603	1120853	19.36%	0.870%
312	21.135	21.110	21.191	VV	17927	803677	13.88%	0.624%
313	21.211	21.191	21.227	VV	15895	330869	5.71%	0.257%
314	21.239	21.227	21.284	VV	15644	507496	8.76%	0.394%
315	21.326	21.284	21.368	VV	16328	753125	13.01%	0.585%
316	21.429	21.368	21.525	VV	17600	1322415	22.84%	1.026%
317	21.538	21.525	21.560	VV	10723	218293	3.77%	0.169%
318	21.603	21.560	21.634	VV	12942	507717	8.77%	0.394%
319	21.672	21.634	21.716	VV	13621	627145	10.83%	0.487%
320	21.734	21.716	21.784	VV	13609	472725	8.16%	0.367%
321	21.827	21.784	21.946	VV	27815	1298590	22.43%	1.008%
322	21.954	21.946	21.962	VV	6761	62711	1.08%	0.049%
323	21.972	21.962	21.999	VV	6986	140965	2.43%	0.109%
324	22.011	21.999	22.024	VV	6050	86217	1.49%	0.067%
325	22.055	22.024	22.064	VV	6417	145020	2.50%	0.113%
326	22.091	22.064	22.168	VV	7175	399984	6.91%	0.310%
327	22.178	22.168	22.279	VV	5796	232013	4.01%	0.180%
328	22.290	22.279	22.341	VBA	1442	62653	1.08%	0.049%
Sum of corrected areas:					128840084			

Aliphatic EPH 100725.M Tue Nov 04 04:41:38 2025

Report of Analysis

Client:	Sciaccia General Contractors, LLC	Date Collected:	10/27/25
Project:	7 Rynda Road, Maplewood	Date Received:	10/27/25
Client Sample ID:	5	SDG No.:	Q3474
Lab Sample ID:	Q3474-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.9
Sample Wt/Vol:	30.08 g	Test:	EPH_F2
Prep Method :	Final Vol: 2000 uL Prep Date : 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C28	Aliphatic C9-C28	10.6		1	1.06	4.64	mg/kg	FC070130.D	11/03/25 20:27	PB170385
Total EPH	Total EPH	10.6			1.06	4.64	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:	10/27/25
Project:	7 Rynda Road, Maplewood	Date Received:	10/27/25
Client Sample ID:	5	SDG No.:	Q3474
Lab Sample ID:	Q3474-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.9
Sample Wt/Vol:	30.08 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_F2
	Prep Date	11/03/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	10.6	1		1.06	4.64	mg/kg	11/03/25	PB170385
Aliphatic C28-C40	Aliphatic C28-C40	47.3	E 1		1.37	2.32	mg/kg	11/03/25	PB170385
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	22.1			40 - 140	44%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	20.7			40 - 140	41%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3474-07	Acq On:	03 Nov 2025 20:27
Client Sample ID:	5	Operator:	YP/AJ
Data file:	FC070130.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.571	1011366	6.985	300	ug/ml
Aliphatic C12-C16	6.572	9.972	1832835	11.191	200	ug/ml
Aliphatic C16-C21	9.973	13.339	7220688	44.587	300	ug/ml
Aliphatic C21-C28	13.340	17.004	10951913	74.431	400	ug/ml
Aliphatic C28-C40	17.005	21.958	65806437	611.585	600	ug/ml
Aliphatic EPH	3.277	21.958	86823239	748.779		ug/ml
ortho-Terphenyl (SURR)	11.641	11.641	3628620	20.66		ug/ml
1-chlorooctadecane (SURR)	13.076	13.076	3002298	22.12		ug/ml
Aliphatic C9-C28	3.277	17.004	21016802	137.194	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
 Data File : FC070130.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2025 20:27
 Operator : YP/AJ
 Sample : Q3474-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 5

Integration File: autoint1.e
 Quant Time: Nov 04 03:32:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 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)	11.641	3628620	20.664 ug/ml
Spiked Amount 50.000		Recovery =	41.33%
12) S 1-chlorooctadecane (S...	13.076	3002298	22.118 ug/ml
Spiked Amount 50.000		Recovery =	44.24%

Target Compounds

(f)=RT Delta > 1/2 Window

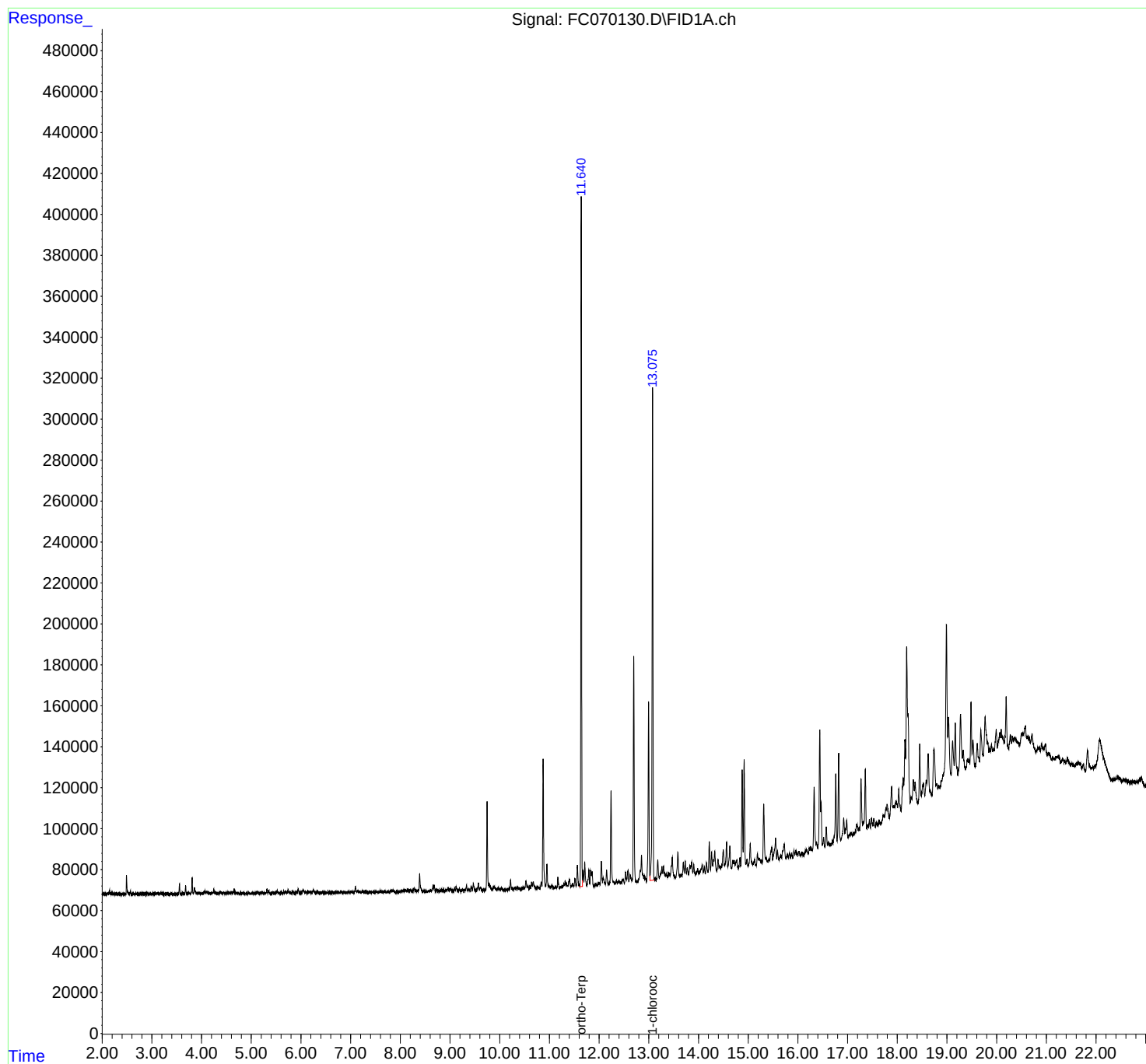
(m)=manual int.

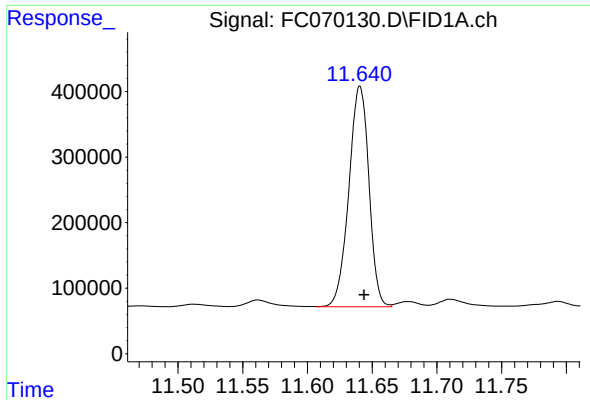
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
Data File : FC070130.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 20:27
Operator : YP/AJ
Sample : Q3474-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5

Integration File: autoint1.e
Quant Time: Nov 04 03:32:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

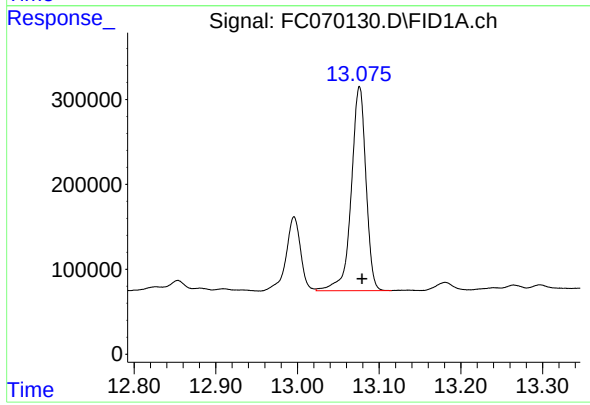




#9 ortho-Terphenyl (SURR)

R.T.: 11.641 min
Delta R.T.: -0.003 min
Response: 3628620
Conc: 20.66 ug/ml

Instrument :
FID_C
ClientSampleId :
5



#12 1-chlorooctadecane (SURR)

R.T.: 13.076 min
Delta R.T.: -0.003 min
Response: 3002298
Conc: 22.12 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
 Data File : FC070130.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2025 20:27
 Sample : Q3474-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.253	3.204	3.285	BV	121	899	0.02%	0.001%
2	3.302	3.285	3.358	PV	140	2839	0.08%	0.003%
3	3.376	3.358	3.435	VV	307	6929	0.19%	0.007%
4	3.445	3.435	3.480	PV	74	1344	0.04%	0.001%
5	3.556	3.480	3.598	VV	5148	50328	1.38%	0.053%
6	3.615	3.598	3.661	PV	606	10081	0.28%	0.011%
7	3.680	3.661	3.705	VV	4213	39652	1.09%	0.041%
8	3.747	3.705	3.773	VV	426	11509	0.32%	0.012%
9	3.810	3.773	3.834	VV	8092	78810	2.17%	0.082%
10	3.856	3.834	3.914	VV	3254	58817	1.62%	0.061%
11	3.919	3.914	3.939	VV	442	4969	0.14%	0.005%
12	3.963	3.939	4.008	VV	438	12791	0.35%	0.013%
13	4.017	4.008	4.028	VV	311	3047	0.08%	0.003%
14	4.064	4.028	4.088	VV	1506	29369	0.81%	0.031%
15	4.099	4.088	4.184	VV	1350	37031	1.02%	0.039%
16	4.218	4.184	4.228	VV	661	11369	0.31%	0.012%
17	4.245	4.228	4.358	VV	2009	49928	1.37%	0.052%
18	4.383	4.358	4.418	VV	1067	22648	0.62%	0.024%
19	4.447	4.418	4.481	VV	730	17125	0.47%	0.018%
20	4.495	4.481	4.508	VV	407	5523	0.15%	0.006%
21	4.526	4.508	4.541	VV	970	11579	0.32%	0.012%
22	4.558	4.541	4.582	VV	805	14267	0.39%	0.015%
23	4.598	4.582	4.617	VV	604	9757	0.27%	0.010%
24	4.653	4.617	4.724	VV	2469	48469	1.33%	0.051%
25	4.734	4.724	4.771	VV	427	8207	0.23%	0.009%
26	4.787	4.771	4.821	VV	353	8464	0.23%	0.009%
27	4.832	4.821	4.854	VV	228	3734	0.10%	0.004%
28	4.871	4.854	4.894	VV	273	4995	0.14%	0.005%
29	4.912	4.894	4.934	VV	274	5172	0.14%	0.005%
30	4.952	4.934	4.971	VV	551	6508	0.18%	0.007%
31	4.983	4.971	4.995	VV	147	1370	0.04%	0.001%
32	5.039	4.995	5.068	PV	346	7790	0.21%	0.008%
33	5.098	5.068	5.113	VV	310	5786	0.16%	0.006%
34	5.128	5.113	5.161	VV	481	9649	0.27%	0.010%
35	5.195	5.161	5.208	VV	531	10421	0.29%	0.011%
36	5.219	5.208	5.251	VV	398	8126	0.22%	0.008%

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37	5.260	5.251	5.294	VV	365	7563	0.21%	0.008%
38	5.318	5.294	5.338	VV	2439	31841	0.87%	0.033%
39	5.354	5.338	5.402	VV	1438	18893	0.52%	0.020%
40	5.437	5.402	5.478	PV	506	9599	0.26%	0.010%
41	5.520	5.478	5.572	VV	1002	30262	0.83%	0.032%
42	5.598	5.572	5.634	VV	516	9725	0.27%	0.010%
43	5.654	5.634	5.669	VV	1039	11282	0.31%	0.012%
44	5.686	5.669	5.724	VV	1262	20962	0.58%	0.022%
45	5.740	5.724	5.813	VV	1738	31506	0.87%	0.033%
46	5.836	5.813	5.881	VV	1053	18494	0.51%	0.019%
47	5.944	5.881	5.981	VV	2213	38897	1.07%	0.041%
48	6.008	5.981	6.017	VV	476	7148	0.20%	0.007%
49	6.045	6.017	6.121	VV	1889	48163	1.32%	0.050%
50	6.145	6.121	6.162	VV	752	11175	0.31%	0.012%
51	6.181	6.162	6.208	VV	1003	16156	0.44%	0.017%
52	6.219	6.208	6.223	VV	317	2357	0.06%	0.002%
53	6.248	6.223	6.301	VV	1561	30198	0.83%	0.032%
54	6.319	6.301	6.333	VV	667	8316	0.23%	0.009%
55	6.344	6.333	6.384	VV	512	10590	0.29%	0.011%
56	6.429	6.384	6.451	VV	476	10212	0.28%	0.011%
57	6.472	6.451	6.504	VV	475	8961	0.25%	0.009%
58	6.517	6.504	6.533	VV	215	3155	0.09%	0.003%
59	6.550	6.533	6.580	PV	460	7508	0.21%	0.008%
60	6.592	6.580	6.607	VV	228	3213	0.09%	0.003%
61	6.618	6.607	6.631	VV	279	3269	0.09%	0.003%
62	6.676	6.631	6.705	VV	388	9563	0.26%	0.010%
63	6.724	6.705	6.734	VV	382	4910	0.13%	0.005%
64	6.750	6.734	6.781	VV	612	8601	0.24%	0.009%
65	6.806	6.781	6.839	VV	530	10565	0.29%	0.011%
66	6.868	6.839	6.898	VV	360	9109	0.25%	0.010%
67	6.907	6.898	6.920	VV	277	2688	0.07%	0.003%
68	6.948	6.920	6.978	VV	508	12540	0.34%	0.013%
69	6.997	6.978	7.061	VV	628	20356	0.56%	0.021%
70	7.097	7.061	7.119	VV	3179	42083	1.16%	0.044%
71	7.140	7.119	7.168	VV	693	17158	0.47%	0.018%
72	7.174	7.168	7.215	VV	536	9402	0.26%	0.010%
73	7.239	7.215	7.257	VV	884	10756	0.30%	0.011%
74	7.269	7.257	7.286	VV	462	6032	0.17%	0.006%
75	7.299	7.286	7.328	VV	383	5927	0.16%	0.006%
76	7.397	7.328	7.414	PV	763	12918	0.35%	0.014%
77	7.522	7.414	7.558	VV	367	19319	0.53%	0.020%
78	7.569	7.558	7.573	VV	148	1296	0.04%	0.001%
79	7.595	7.573	7.648	VV	991	17612	0.48%	0.018%
80	7.688	7.648	7.717	VV	717	13961	0.38%	0.015%
81	7.741	7.717	7.755	VV	276	4084	0.11%	0.004%
82	7.764	7.755	7.784	VV	242	2837	0.08%	0.003%
83	7.829	7.784	7.840	VV	947	20969	0.58%	0.022%
84	7.852	7.840	7.878	VV	956	14050	0.39%	0.015%
85	7.887	7.878	7.921	VV	288	3720	0.10%	0.004%
86	7.931	7.921	7.951	VV	172	2031	0.06%	0.002%
87	8.023	7.951	8.046	VV	605	16835	0.46%	0.018%
88	8.065	8.046	8.084	VV	962	14089	0.39%	0.015%
89	8.101	8.084	8.123	VV	1174	18969	0.52%	0.020%

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90	8.158	8.123	8.181	VV	1108	27879	0.77%	0.029%
91	8.201	8.181	8.218	VV	1388	19689	0.54%	0.021%
92	8.228	8.218	8.247	VV	848	12418	0.34%	0.013%
93	8.276	8.247	8.324	VV	1861	41644	1.14%	0.044%
94	8.344	8.324	8.362	VV	845	15614	0.43%	0.016%
95	8.388	8.362	8.458	VV	8699	132905	3.65%	0.139%
96	8.479	8.458	8.513	VV	573	11602	0.32%	0.012%
97	8.524	8.513	8.555	VV	346	3904	0.11%	0.004%
98	8.609	8.555	8.628	VV	806	18697	0.51%	0.020%
99	8.658	8.628	8.670	VV	3259	42998	1.18%	0.045%
100	8.682	8.670	8.711	VV	3347	38919	1.07%	0.041%
101	8.738	8.711	8.764	VV	1017	20002	0.55%	0.021%
102	8.774	8.764	8.783	VV	424	3984	0.11%	0.004%
103	8.804	8.783	8.818	VV	754	12165	0.33%	0.013%
104	8.831	8.818	8.852	VV	1036	13047	0.36%	0.014%
105	8.870	8.852	8.886	VV	872	11981	0.33%	0.013%
106	8.920	8.886	8.941	VV	1150	23297	0.64%	0.024%
107	8.959	8.941	8.980	VV	2015	29498	0.81%	0.031%
108	9.013	8.980	9.057	VV	1190	33179	0.91%	0.035%
109	9.091	9.057	9.105	VV	1469	20053	0.55%	0.021%
110	9.122	9.105	9.170	VV	2324	39210	1.08%	0.041%
111	9.188	9.170	9.218	VV	1302	15946	0.44%	0.017%
112	9.248	9.218	9.268	PV	858	12582	0.35%	0.013%
113	9.280	9.268	9.301	VV	708	10033	0.28%	0.010%
114	9.332	9.301	9.358	VV	3073	43512	1.20%	0.045%
115	9.383	9.358	9.404	VV	830	15513	0.43%	0.016%
116	9.424	9.404	9.447	VV	2382	32257	0.89%	0.034%
117	9.470	9.447	9.523	VV	3581	60676	1.67%	0.063%
118	9.571	9.523	9.592	VV	3981	59591	1.64%	0.062%
119	9.611	9.592	9.658	VV	1677	33141	0.91%	0.035%
120	9.677	9.658	9.696	VV	682	9182	0.25%	0.010%
121	9.746	9.696	9.779	VV	43046	495935	13.62%	0.518%
122	9.791	9.779	9.850	VV	3194	71431	1.96%	0.075%
123	9.891	9.850	9.939	VV	1939	61489	1.69%	0.064%
124	9.979	9.939	10.003	VV	1101	27758	0.76%	0.029%
125	10.036	10.003	10.083	VV	1072	24445	0.67%	0.026%
126	10.102	10.083	10.114	VV	389	3988	0.11%	0.004%
127	10.131	10.114	10.160	VV	246	4667	0.13%	0.005%
128	10.188	10.160	10.201	PV	815	10376	0.29%	0.011%
129	10.218	10.201	10.249	VV	5081	62136	1.71%	0.065%
130	10.260	10.249	10.284	VV	561	9872	0.27%	0.010%
131	10.301	10.284	10.334	VV	1065	23974	0.66%	0.025%
132	10.354	10.334	10.377	VV	1439	24690	0.68%	0.026%
133	10.394	10.377	10.424	VV	800	12416	0.34%	0.013%
134	10.466	10.424	10.488	PV	1105	22421	0.62%	0.023%
135	10.527	10.488	10.554	VV	4141	72333	1.99%	0.076%
136	10.567	10.554	10.588	VV	1930	25776	0.71%	0.027%
137	10.609	10.588	10.621	VV	1243	17266	0.47%	0.018%
138	10.642	10.621	10.656	VV	3598	45419	1.25%	0.047%
139	10.676	10.656	10.728	VV	3620	73993	2.03%	0.077%
140	10.770	10.728	10.788	VV	1049	21211	0.58%	0.022%
141	10.835	10.788	10.849	VV	3333	50883	1.40%	0.053%

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142	10.874	10.849	10.925	VV	63111	777699	21.37%	0.813%
143	10.950	10.925	11.018	VV	11872	178609	4.91%	0.187%
144	11.044	11.018	11.104	VV	954	29763	0.82%	0.031%
145	11.128	11.104	11.147	PV	736	10440	0.29%	0.011%
146	11.170	11.147	11.212	VV	5432	72837	2.00%	0.076%
147	11.242	11.212	11.264	VV	691	12778	0.35%	0.013%
148	11.290	11.264	11.300	VV	1846	24780	0.68%	0.026%
149	11.316	11.300	11.373	VV	3359	80160	2.20%	0.084%
150	11.402	11.373	11.431	VV	3824	76382	2.10%	0.080%
151	11.471	11.431	11.494	VV	1777	35661	0.98%	0.037%
152	11.512	11.494	11.539	VV	4363	63426	1.74%	0.066%
153	11.562	11.539	11.608	VV	10766	155351	4.27%	0.162%
154	11.641	11.608	11.665	VV	337271	3639990	100.00%	3.804%
155	11.678	11.665	11.693	VV	8134	94815	2.60%	0.099%
156	11.711	11.693	11.749	VV	11706	177423	4.87%	0.185%
157	11.793	11.749	11.811	VV	8377	136462	3.75%	0.143%
158	11.830	11.811	11.846	VV	7818	117303	3.22%	0.123%
159	11.858	11.846	11.891	VV	7376	97291	2.67%	0.102%
160	11.941	11.891	11.961	PV	1017	24415	0.67%	0.026%
161	12.007	11.961	12.018	VV	1375	34125	0.94%	0.036%
162	12.045	12.018	12.069	VV	12041	173704	4.77%	0.182%
163	12.084	12.069	12.125	VV	3840	78732	2.16%	0.082%
164	12.151	12.125	12.189	VV	7473	108819	2.99%	0.114%
165	12.240	12.189	12.315	VV	46126	593661	16.31%	0.620%
166	12.350	12.315	12.384	VV	1684	41321	1.14%	0.043%
167	12.399	12.384	12.435	VV	1312	27900	0.77%	0.029%
168	12.486	12.435	12.507	VV	2067	50748	1.39%	0.053%
169	12.533	12.507	12.554	PV	5517	79223	2.18%	0.083%
170	12.578	12.554	12.598	VV	5670	89314	2.45%	0.093%
171	12.623	12.598	12.658	VV	3920	86624	2.38%	0.091%
172	12.697	12.658	12.738	VV	110010	1319562	36.25%	1.379%
173	12.747	12.738	12.777	VV	432	7116	0.20%	0.007%
174	12.853	12.777	12.897	VV	12819	301543	8.28%	0.315%
175	12.910	12.897	12.953	VV	2825	49093	1.35%	0.051%
176	12.996	12.953	13.023	VV	87117	1077325	29.60%	1.126%
177	13.076	13.023	13.114	VV	239892	3007024	82.61%	3.143%
178	13.136	13.114	13.150	VV	507	7426	0.20%	0.008%
179	13.181	13.150	13.211	VV	9677	142410	3.91%	0.149%
180	13.265	13.211	13.281	VV	6238	134617	3.70%	0.141%
181	13.297	13.281	13.335	VV	6376	118206	3.25%	0.124%
182	13.345	13.335	13.377	VV	2343	43895	1.21%	0.046%
183	13.395	13.377	13.407	VV	2477	31367	0.86%	0.033%
184	13.420	13.407	13.433	VV	1974	29831	0.82%	0.031%
185	13.472	13.433	13.533	VV	10153	219076	6.02%	0.229%
186	13.586	13.533	13.625	PV	12224	210187	5.77%	0.220%
187	13.653	13.625	13.667	VV	1105	17949	0.49%	0.019%
188	13.695	13.667	13.715	VV	7000	99318	2.73%	0.104%
189	13.734	13.715	13.757	VV	7563	105222	2.89%	0.110%
190	13.775	13.757	13.802	VV	4045	63579	1.75%	0.066%
191	13.826	13.802	13.841	VV	5119	79788	2.19%	0.083%
192	13.862	13.841	13.886	VV	6671	117814	3.24%	0.123%
193	13.905	13.886	13.939	VV	5351	78182	2.15%	0.082%
194	13.983	13.939	14.002	VV	3083	57379	1.58%	0.060%

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195	14.013	14.002	14.024	VV	1106	13003	0.36%	0.014%
196	14.074	14.024	14.099	VV	4644	113466	3.12%	0.119%
197	14.118	14.099	14.138	VV	3609	43302	1.19%	0.045%
198	14.162	14.138	14.191	PV	5424	76838	2.11%	0.080%
199	14.217	14.191	14.241	VV	15474	197278	5.42%	0.206%
200	14.264	14.241	14.286	VV	10193	153364	4.21%	0.160%
201	14.327	14.286	14.366	VV	10400	241508	6.63%	0.252%
202	14.393	14.366	14.414	VV	6020	94870	2.61%	0.099%
203	14.425	14.414	14.441	VV	2719	35133	0.97%	0.037%
204	14.498	14.441	14.524	VV	10340	232213	6.38%	0.243%
205	14.565	14.524	14.590	VV	13730	241440	6.63%	0.252%
206	14.631	14.590	14.667	VV	11662	216361	5.94%	0.226%
207	14.691	14.667	14.706	VV	4445	63211	1.74%	0.066%
208	14.719	14.706	14.735	VV	3770	50515	1.39%	0.053%
209	14.768	14.735	14.801	VV	3992	90914	2.50%	0.095%
210	14.832	14.801	14.850	VV	5134	70610	1.94%	0.074%
211	14.878	14.850	14.898	VV	47579	604529	16.61%	0.632%
212	14.919	14.898	14.954	VV	52406	674398	18.53%	0.705%
213	14.977	14.954	14.998	VV	3777	53994	1.48%	0.056%
214	15.040	14.998	15.094	VV	11166	202877	5.57%	0.212%
215	15.126	15.094	15.159	VV	3098	53254	1.46%	0.056%
216	15.186	15.159	15.206	PV	5576	80195	2.20%	0.084%
217	15.219	15.206	15.281	VV	3366	93537	2.57%	0.098%
218	15.312	15.281	15.352	VV	29239	465307	12.78%	0.486%
219	15.363	15.352	15.397	VV	2554	44176	1.21%	0.046%
220	15.421	15.397	15.432	VV	1610	27026	0.74%	0.028%
221	15.473	15.432	15.493	VV	7218	155086	4.26%	0.162%
222	15.551	15.493	15.573	VV	11439	261910	7.20%	0.274%
223	15.589	15.573	15.624	VV	4999	74300	2.04%	0.078%
224	15.655	15.624	15.674	VV	2276	47648	1.31%	0.050%
225	15.726	15.674	15.755	VV	7249	208124	5.72%	0.218%
226	15.789	15.755	15.810	VV	2231	44981	1.24%	0.047%
227	15.830	15.810	15.855	VV	2785	44221	1.21%	0.046%
228	15.876	15.855	15.898	VV	2567	34872	0.96%	0.036%
229	15.921	15.898	15.938	VV	3620	49190	1.35%	0.051%
230	15.957	15.938	15.972	VV	3322	48265	1.33%	0.050%
231	15.984	15.972	16.000	VV	2260	28903	0.79%	0.030%
232	16.018	16.000	16.041	VV	2820	42444	1.17%	0.044%
233	16.055	16.041	16.066	VV	861	12006	0.33%	0.013%
234	16.086	16.066	16.116	VV	1931	28920	0.79%	0.030%
235	16.176	16.116	16.206	PV	2624	84242	2.31%	0.088%
236	16.231	16.206	16.243	VV	3143	45259	1.24%	0.047%
237	16.257	16.243	16.274	VV	3512	52971	1.46%	0.055%
238	16.327	16.274	16.366	VV	32145	566949	15.58%	0.593%
239	16.377	16.366	16.395	VV	5210	70500	1.94%	0.074%
240	16.441	16.395	16.494	VV	59818	1209680	33.23%	1.264%
241	16.518	16.494	16.543	VV	6688	122344	3.36%	0.128%
242	16.572	16.543	16.596	VV	11407	183135	5.03%	0.191%
243	16.608	16.596	16.644	VV	3490	80184	2.20%	0.084%
244	16.695	16.644	16.707	VV	3969	98148	2.70%	0.103%
245	16.762	16.707	16.789	VV	35916	605331	16.63%	0.633%
246	16.821	16.789	16.864	VV	45853	695129	19.10%	0.727%

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247	16.923	16.864	16.945	VV	13643	361030	9.92%	0.377%
248	16.982	16.945	17.010	VV	12118	309235	8.50%	0.323%
249	17.030	17.010	17.044	VV	4915	88268	2.42%	0.092%
250	17.065	17.044	17.095	VV	5795	153622	4.22%	0.161%
251	17.106	17.095	17.111	VV	4594	39186	1.08%	0.041%
252	17.185	17.111	17.215	VV	9277	395323	10.86%	0.413%
253	17.231	17.215	17.242	VV	7114	108774	2.99%	0.114%
254	17.271	17.242	17.303	VV	30713	590388	16.22%	0.617%
255	17.357	17.303	17.388	VV	34831	760885	20.90%	0.795%
256	17.406	17.388	17.422	VV	7476	138857	3.81%	0.145%
257	17.439	17.422	17.461	VV	9745	181690	4.99%	0.190%
258	17.482	17.461	17.509	VV	10104	235156	6.46%	0.246%
259	17.530	17.509	17.556	VV	9939	215757	5.93%	0.225%
260	17.577	17.556	17.611	VV	7774	220501	6.06%	0.230%
261	17.633	17.611	17.673	VV	8184	258377	7.10%	0.270%
262	17.735	17.673	17.743	VV	10240	368515	10.12%	0.385%
263	17.771	17.743	17.780	VV	13014	252658	6.94%	0.264%
264	17.796	17.780	17.838	VV	14887	421706	11.59%	0.441%
265	17.886	17.838	17.921	VV	23129	736543	20.23%	0.770%
266	17.927	17.921	17.941	VV	13683	158379	4.35%	0.166%
267	17.971	17.941	18.007	VV	15768	560254	15.39%	0.586%
268	18.029	18.007	18.078	VV	21398	621063	17.06%	0.649%
269	18.123	18.078	18.133	VV	26278	665504	18.28%	0.696%
270	18.155	18.133	18.167	VV	44413	723049	19.86%	0.756%
271	18.190	18.167	18.261	VV	89834	2699218	74.15%	2.821%
272	18.279	18.261	18.294	VV	15896	287653	7.90%	0.301%
273	18.323	18.294	18.343	VV	23962	584258	16.05%	0.611%
274	18.358	18.343	18.418	VV	22438	743501	20.43%	0.777%
275	18.451	18.418	18.479	VV	40623	836198	22.97%	0.874%
276	18.521	18.479	18.553	VV	21075	806846	22.17%	0.843%
277	18.582	18.553	18.595	VV	22321	484736	13.32%	0.507%
278	18.621	18.595	18.701	VV	34754	1348601	37.05%	1.409%
279	18.739	18.701	18.781	VV	36572	1266774	34.80%	1.324%
280	18.793	18.781	18.817	VV	19153	396598	10.90%	0.414%
281	18.829	18.817	18.865	VV	18265	500371	13.75%	0.523%
282	18.989	18.865	19.015	VV	96461	3305174	90.80%	3.454%
283	19.030	19.015	19.083	VV	50270	1447029	39.75%	1.512%
284	19.113	19.083	19.143	VV	38380	1101735	30.27%	1.151%
285	19.167	19.143	19.219	VV	46683	1394016	38.30%	1.457%
286	19.272	19.219	19.311	VV	50396	1830666	50.29%	1.913%
287	19.328	19.311	19.368	VV	32568	952198	26.16%	0.995%
288	19.413	19.368	19.431	VV	27739	966088	26.54%	1.010%
289	19.445	19.431	19.461	VV	26933	474324	13.03%	0.496%
290	19.484	19.461	19.506	VV	55030	1074951	29.53%	1.123%
291	19.523	19.506	19.574	VV	36202	1174446	32.27%	1.227%
292	19.609	19.574	19.653	VV	34020	1340236	36.82%	1.401%
293	19.682	19.653	19.728	VV	40303	1446881	39.75%	1.512%
294	19.767	19.728	19.844	VV	46256	2464337	67.70%	2.576%
295	19.858	19.844	19.876	VV	30228	555767	15.27%	0.581%
296	19.896	19.876	19.916	VV	32047	718334	19.73%	0.751%
297	19.929	19.916	19.954	VV	29373	662307	18.20%	0.692%
298	19.991	19.954	20.014	VV	38757	1207759	33.18%	1.262%
299	20.063	20.014	20.076	VV	36675	1261018	34.64%	1.318%

					rteres			
300	20.092	20.076	20.146	VV	38043	1446957	39.75%	1.512%
301	20.191	20.146	20.238	VV	53440	1985310	54.54%	2.075%
302	20.274	20.238	20.298	VV	34461	1108468	30.45%	1.159%
303	20.317	20.298	20.338	VV	32951	762872	20.96%	0.797%
304	20.377	20.338	20.455	VV	31967	2148481	59.02%	2.245%
305	20.512	20.455	20.524	VV	33977	1313998	36.10%	1.373%
306	20.533	20.524	20.543	VV	33311	374040	10.28%	0.391%
307	20.576	20.543	20.606	VV	36822	1295088	35.58%	1.354%
308	20.618	20.606	20.628	VV	31409	395893	10.88%	0.414%
309	20.630	20.628	20.678	VV	31388	900740	24.75%	0.941%
310	20.711	20.678	20.794	VV	31971	1902246	52.26%	1.988%
311	20.826	20.794	20.880	VV	24889	1237066	33.99%	1.293%
312	20.902	20.880	20.948	VV	26001	993855	27.30%	1.039%
313	20.980	20.948	21.014	VV	25918	925713	25.43%	0.967%
314	21.039	21.014	21.056	VV	21091	509012	13.98%	0.532%
315	21.065	21.056	21.112	VV	20585	630159	17.31%	0.659%
316	21.127	21.112	21.144	VV	18374	346416	9.52%	0.362%
317	21.191	21.144	21.208	VV	18300	666434	18.31%	0.697%
318	21.246	21.208	21.290	VV	18286	843919	23.18%	0.882%
319	21.330	21.290	21.358	VV	16679	628080	17.25%	0.656%
320	21.376	21.358	21.389	VV	15023	266637	7.33%	0.279%
321	21.427	21.389	21.489	VV	16430	862245	23.69%	0.901%
322	21.510	21.489	21.538	VV	12838	359004	9.86%	0.375%
323	21.547	21.538	21.573	VV	12135	253632	6.97%	0.265%
324	21.603	21.573	21.616	VV	12201	301371	8.28%	0.315%
325	21.643	21.616	21.679	VV	12659	457061	12.56%	0.478%
326	21.687	21.679	21.714	VV	11551	224312	6.16%	0.234%
327	21.742	21.714	21.782	VV	11222	396467	10.89%	0.414%
328	21.828	21.782	21.910	VV	17545	848815	23.32%	0.887%
329	21.935	21.910	21.949	VV	8827	195671	5.38%	0.205%
330	21.977	21.949	21.994	VV	9485	238189	6.54%	0.249%
331	22.077	21.994	22.304	VV	21079	1971762	54.17%	2.061%
Sum of corrected areas:							95681104	

Aliphatic EPH 100725.M Tue Nov 04 04:42:28 2025



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC100725AL

AreaCount

Parameter Range	FC069937.D	FC069938.D	FC069939.D	FC069940.D	FC069941.D	
Aliphatic C9-C12	43171011.000	21250743.000	8161064.000	4428028.000	2320985.000	
Aliphatic C12-C16	33016544.000	16243273.000	6102029.000	3325280.000	1725815.000	
Aliphatic C16-C21	48108317.000	24065038.000	8973438.000	4960785.000	2610241.000	
Aliphatic C21-C28	55364172.000	28241357.000	10328099.000	6018987.000	3530371.000	
Aliphatic C28-C40	59763237.000	30083253.000	11204955.000	6723680.000	3980409.000	
Aliphatic EPH	239423281.000	119883664.000	44769585.000	25456760.000	14167821.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	144785.1979998	4.813				
Aliphatic C12-C16	163782.335	4.458				
Aliphatic C16-C21	161945.5019996	5.485				
Aliphatic C21-C28	147142.3355	12.304				
Aliphatic C28-C40	107599.8326666	14.464				
Aliphatic EPH	137884.7282218	9.049				

Concentration

Parameter Range	FC069937.D	FC069938.D	FC069939.D	FC069940.D	FC069941.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	FC069937.D	FC069938.D	FC069939.D	FC069940.D	FC069941.D	
Aliphatic C9-C12	143903.370000	141671.620000	136017.733333	147600.933333	154732.333333	
Aliphatic C12-C16	165082.720000	162432.730000	152550.725000	166264.000000	172581.500000	
Aliphatic C16-C21	160361.056666	160433.586666	149557.300000	165359.500000	174016.066666	

Initial Calibration Report for SequenceID : FC100725AL

Aliphatic C21-C28	138410.430000	141206.785000	129101.237500	150474.675000	176518.550000	
Aliphatic C28-C40	99605.395000	100277.510000	93374.625000	112061.333333	132680.300000	
Aliphatic EPH	133012.933888	133204.071111	124359.958333	141426.444444	157420.233333	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069937.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 16:17
 Operator : YP/AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Oct 07 09:27:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:26:41 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)	11.657	17428523	107.789 ug/ml
Spiked Amount 50.000		Recovery =	215.58%
12) S 1-chlorooctadecane (S...	13.088	13491128	107.925 ug/ml
Spiked Amount 50.000		Recovery =	215.85%
Target Compounds			
1) T n-Nonane (C9)	3.388	13511792	104.492 ug/ml
2) T n-Decane (C10)	4.461	14269174	105.512 ug/ml
3) T A~Naphthalene (C11.7)	6.056	16109041	106.057 ug/ml
4) T n-Dodecane (C12)	6.485	15390045	107.242 ug/ml
5) T A~2-methylnaphthalene...	7.116	16083838	107.576 ug/ml
6) T n-Tetradecane (C14)	8.283	16089121	108.439 ug/ml
7) T n-Hexadecane (C16)	9.887	16927423	108.003 ug/ml
8) T n-Octadecane (C18)	11.334	16924222	107.107 ug/ml
10) T n-Eicosane (C20)	12.643	15851454	107.240 ug/ml
11) T n-Heneicosane (C21)	13.256	15332641	107.336 ug/ml
13) T n-Docosane (C22)	13.843	14972967	107.364 ug/ml
14) T n-Tetracosane (C24)	14.946	14292557	107.227 ug/ml
15) T n-Hexacosane (C26)	15.967	13453877	107.130 ug/ml
16) T n-Octacosane (C28)	16.919	12644771	107.096 ug/ml
17) T n-Tricontane (C30)	17.806	12335576	107.079 ug/ml
18) T n-Dotriacontane (C32)	18.639	11541380	106.981 ug/ml
19) T n-Tetratriacontane (C34)	19.422	10438103	106.669 ug/ml
20) T n-Hexatriacontane (C36)	20.162	9085745	105.941 ug/ml
21) T n-Octatriacontane (C38)	20.920	8347689	106.483 ug/ml
22) T n-Tetracontane (C40)	21.873	8014744	106.647 ug/ml

(f)=RT Delta > 1/2 Window

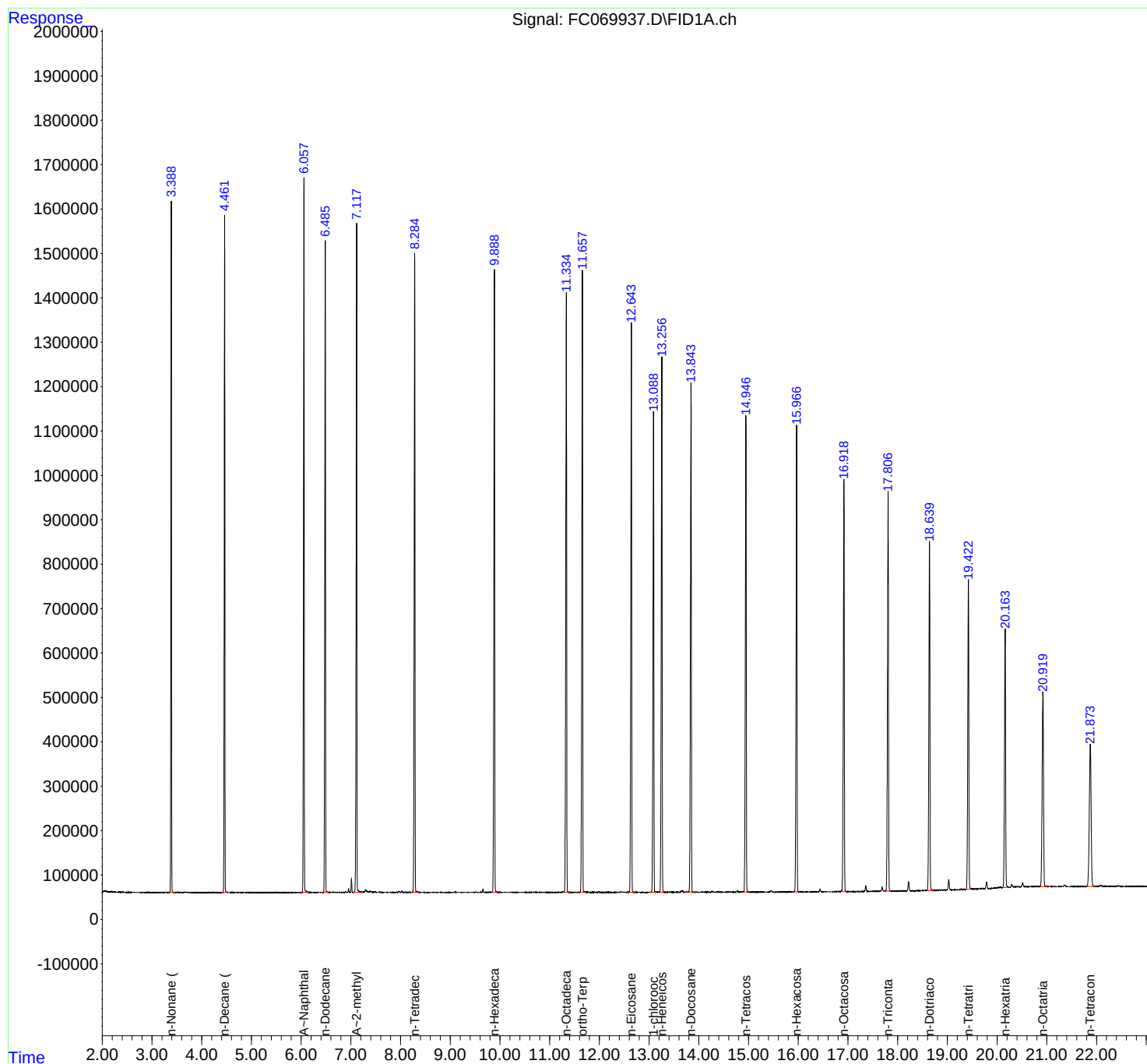
(m)=manual int.

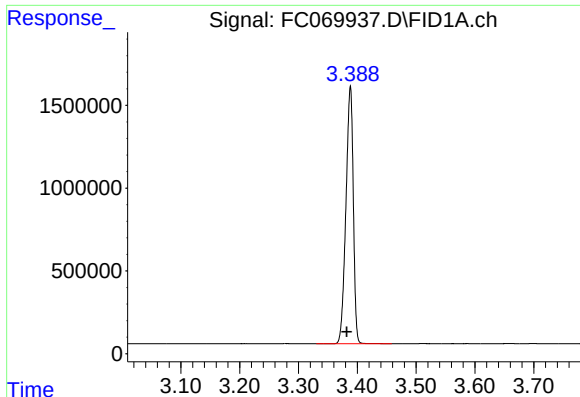
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069937.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 16:17
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 07 09:27:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:26:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

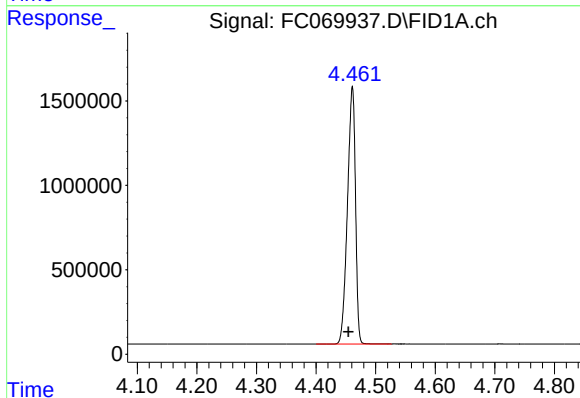




#1 n-Nonane (C9)

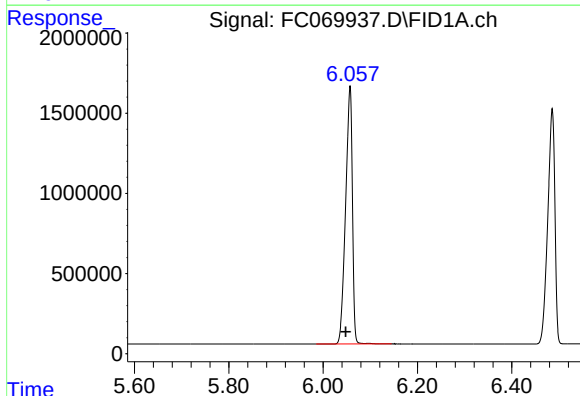
R.T.: 3.388 min
Delta R.T.: 0.006 min
Response: 13511792
Conc: 104.49 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



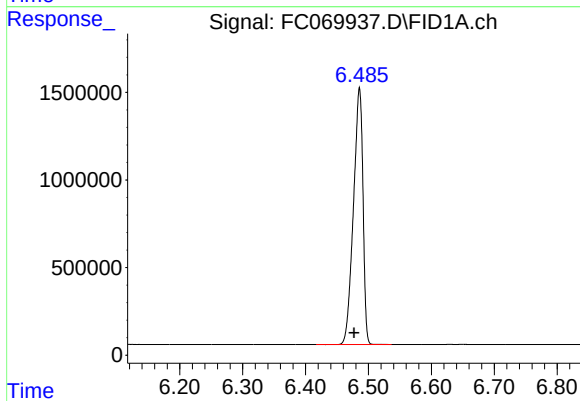
#2 n-Decane (C10)

R.T.: 4.461 min
Delta R.T.: 0.006 min
Response: 14269174
Conc: 105.51 ug/ml



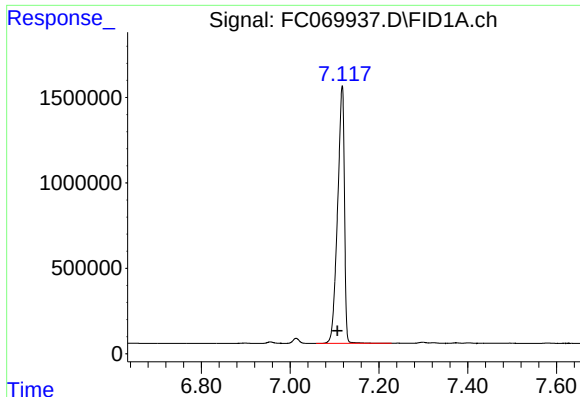
#3 A~Naphthalene (C11.7)

R.T.: 6.056 min
Delta R.T.: 0.008 min
Response: 16109041
Conc: 106.06 ug/ml



#4 n-Dodecane (C12)

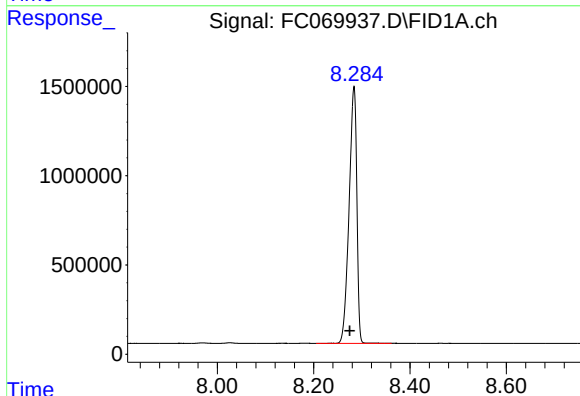
R.T.: 6.485 min
Delta R.T.: 0.008 min
Response: 15390045
Conc: 107.24 ug/ml



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

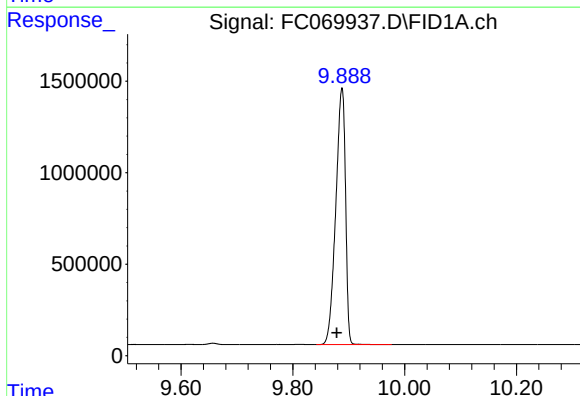
R.T.: 7.116 min
Delta R.T.: 0.010 min
Response: 16083838
Conc: 107.58 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



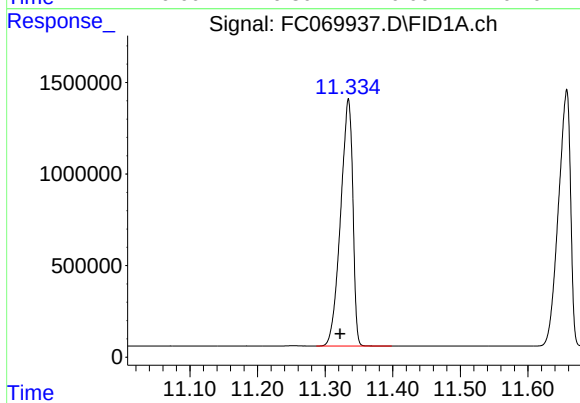
#6 n-Tetradecane (C14)

R.T.: 8.283 min
Delta R.T.: 0.008 min
Response: 16089121
Conc: 108.44 ug/ml



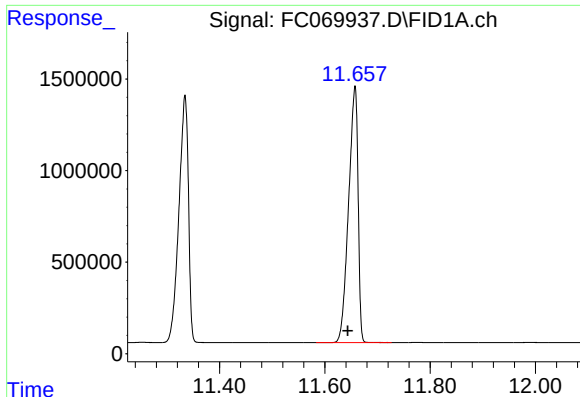
#7 n-Hexadecane (C16)

R.T.: 9.887 min
Delta R.T.: 0.009 min
Response: 16927423
Conc: 108.00 ug/ml



#8 n-Octadecane (C18)

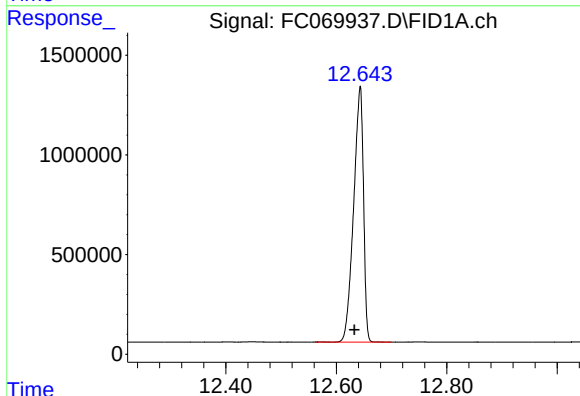
R.T.: 11.334 min
Delta R.T.: 0.012 min
Response: 16924222
Conc: 107.11 ug/ml



#9 ortho-Terphenyl (SURR)

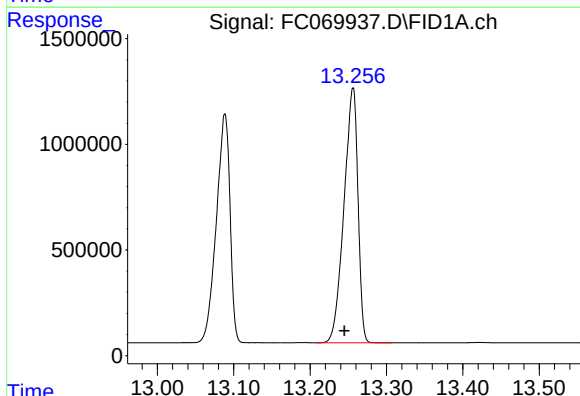
R.T.: 11.657 min
Delta R.T.: 0.013 min
Response: 17428523
Conc: 107.79 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



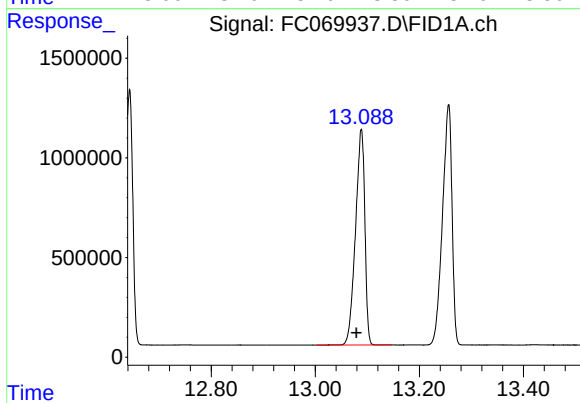
#10 n-Eicosane (C20)

R.T.: 12.643 min
Delta R.T.: 0.010 min
Response: 15851454
Conc: 107.24 ug/ml



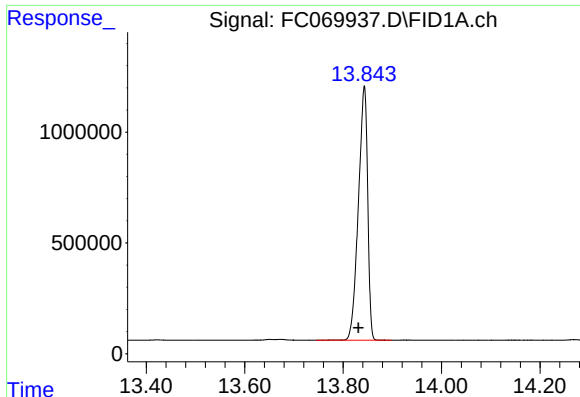
#11 n-Heneicosane (C21)

R.T.: 13.256 min
Delta R.T.: 0.011 min
Response: 15332641
Conc: 107.34 ug/ml



#12 1-chlorooctadecane (SURR)

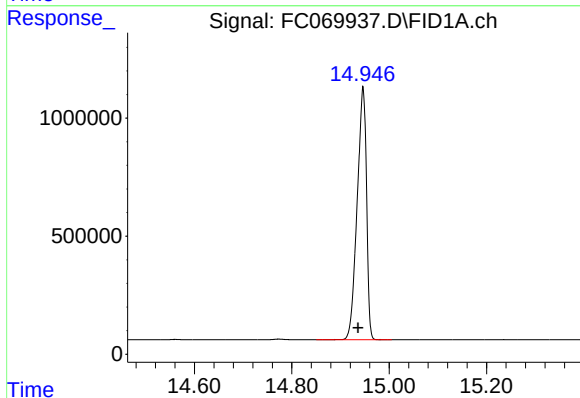
R.T.: 13.088 min
Delta R.T.: 0.009 min
Response: 13491128
Conc: 107.92 ug/ml



#13 n-Docosane (C22)

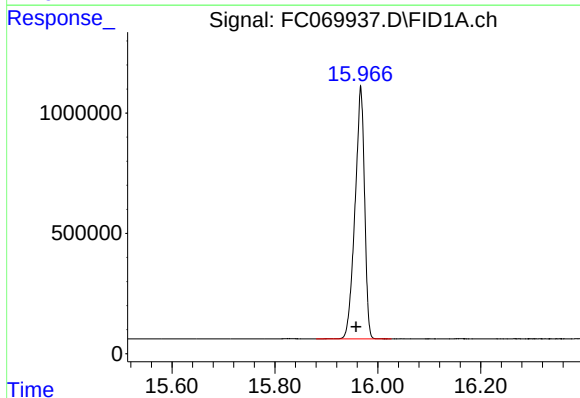
R.T.: 13.843 min
Delta R.T.: 0.012 min
Response: 14972967
Conc: 107.36 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



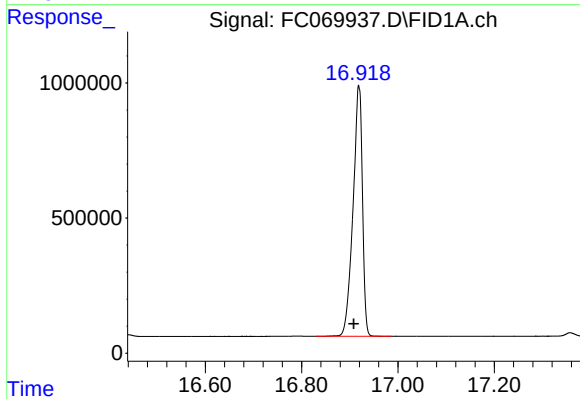
#14 n-Tetracosane (C24)

R.T.: 14.946 min
Delta R.T.: 0.010 min
Response: 14292557
Conc: 107.23 ug/ml



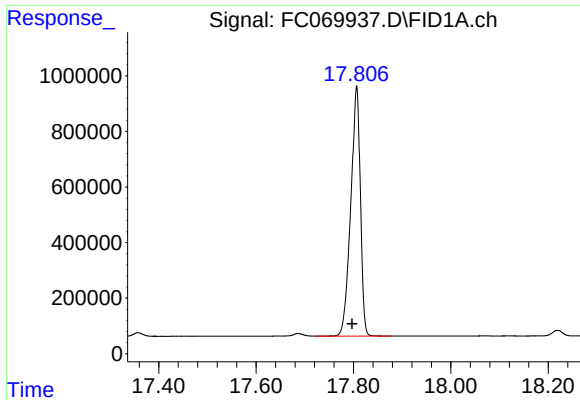
#15 n-Hexacosane (C26)

R.T.: 15.967 min
Delta R.T.: 0.009 min
Response: 13453877
Conc: 107.13 ug/ml



#16 n-Octacosane (C28)

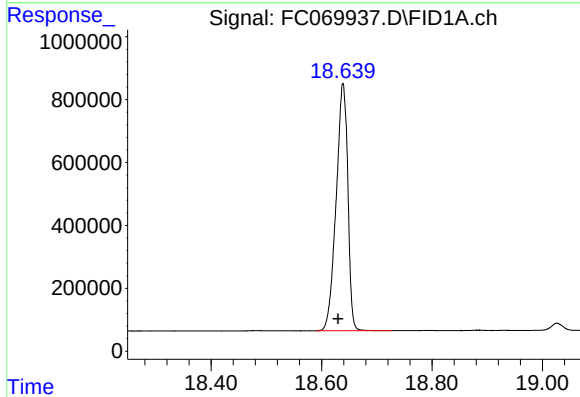
R.T.: 16.919 min
Delta R.T.: 0.011 min
Response: 12644771
Conc: 107.10 ug/ml



#17 n-Tricontane (C30)

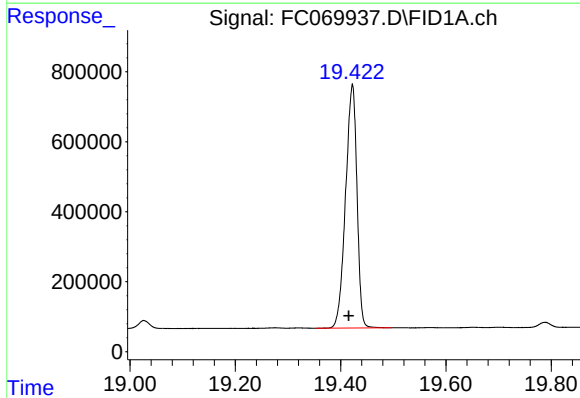
R.T.: 17.806 min
Delta R.T.: 0.009 min
Response: 12335576
Conc: 107.08 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



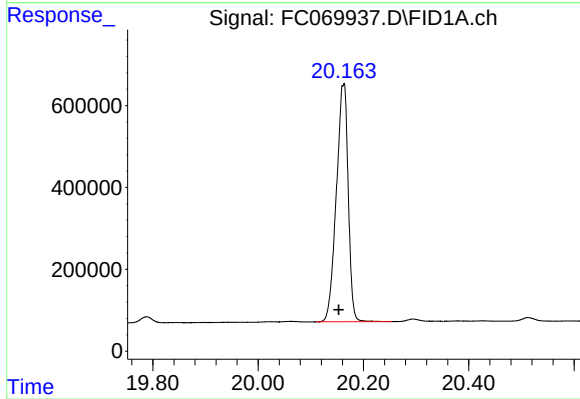
#18 n-Dotriacontane (C32)

R.T.: 18.639 min
Delta R.T.: 0.009 min
Response: 11541380
Conc: 106.98 ug/ml



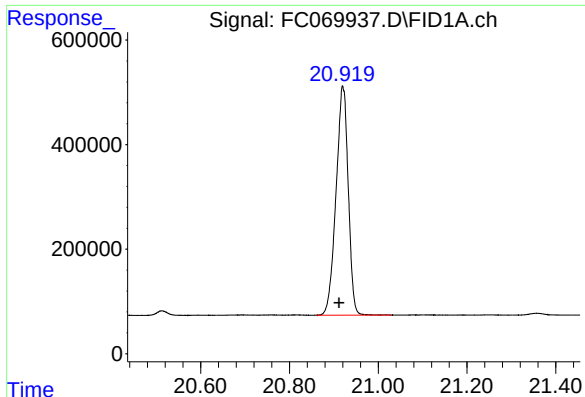
#19 n-Tetratriacontane (C34)

R.T.: 19.422 min
Delta R.T.: 0.007 min
Response: 10438103
Conc: 106.67 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.162 min
Delta R.T.: 0.008 min
Response: 9085745
Conc: 105.94 ug/ml



#21 n-Octatriacontane (C38)

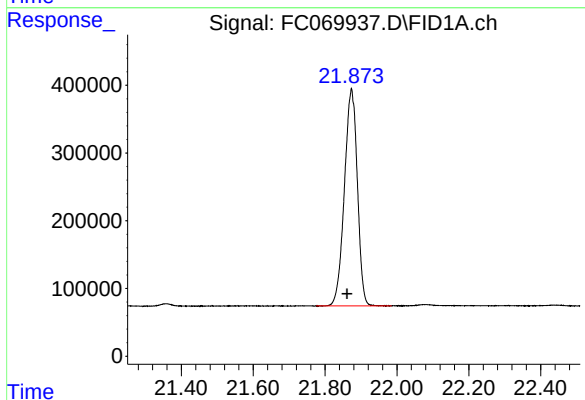
R.T.: 20.920 min
Delta R.T.: 0.009 min
Response: 8347689
Conc: 106.48 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.873 min
Delta R.T.: 0.012 min
Response: 8014744
Conc: 106.65 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069937.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 16:17
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.388	3.330	3.458	BB	1566610	13511792	77.53%	4.466%
2	4.461	4.400	4.527	BB	1518640	14269174	81.87%	4.717%
3	6.056	5.985	6.145	BB	1611621	16109041	92.43%	5.325%
4	6.485	6.417	6.537	BB	1464377	15390045	88.30%	5.087%
5	7.116	7.058	7.228	BV	1506266	16083838	92.28%	5.316%
6	8.283	8.205	8.362	BB	1437784	16089121	92.31%	5.318%
7	9.887	9.842	9.977	PB	1398162	16927423	97.12%	5.595%
8	11.334	11.287	11.398	BB	1347994	16924222	97.11%	5.594%
9	11.657	11.583	11.727	BB	1396107	17428523	100.00%	5.761%
10	12.643	12.563	12.700	BB	1292543	15851454	90.95%	5.240%
11	13.088	13.002	13.147	BB	1084327	13491128	77.41%	4.459%
12	13.256	13.208	13.307	PB	1204698	15332641	87.97%	5.068%
13	13.843	13.745	13.898	BB	1152336	14972967	85.91%	4.949%
14	14.946	14.850	15.005	BB	1071747	14292557	82.01%	4.724%
15	15.967	15.880	16.027	BB	1049540	13453877	77.19%	4.447%
16	16.919	16.830	16.987	BB	929151	12644771	72.55%	4.180%
17	17.806	17.723	17.878	VB	901911	12335576	70.78%	4.077%
18	18.639	18.590	18.727	BB	786911	11541380	66.22%	3.815%
19	19.422	19.353	19.497	BB	695978	10438103	59.89%	3.450%
20	20.162	20.110	20.253	BV	577405	9085745	52.13%	3.003%
21	20.920	20.860	21.030	BB	437337	8347689	47.90%	2.759%
22	21.873	21.775	21.985	BB	321349	8014744	45.99%	2.649%
Sum of corrected areas:						302535810		

Aliphatic EPH 100725.M Tue Oct 07 09:55:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069938.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 17:03
 Operator : YP/AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Oct 07 09:27:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:26:41 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)	11.649	8639976	53.435 ug/ml
Spiked Amount 50.000		Recovery =	106.87%
12) S 1-chlorooctadecane (S...	13.083	6744188	53.951 ug/ml
Spiked Amount 50.000		Recovery =	107.90%
Target Compounds			
1) T n-Nonane (C9)	3.384	6696096	51.784 ug/ml
2) T n-Decane (C10)	4.457	7033350	52.008 ug/ml
3) T A~Naphthalene (C11.7)	6.051	7918701	52.135 ug/ml
4) T n-Dodecane (C12)	6.480	7521297	52.411 ug/ml
5) T A~2-methylnaphthalene...	7.110	7871197	52.646 ug/ml
6) T n-Tetradecane (C14)	8.278	7874446	53.073 ug/ml
7) T n-Hexadecane (C16)	9.882	8368827	53.396 ug/ml
8) T n-Octadecane (C18)	11.327	8439359	53.410 ug/ml
10) T n-Eicosane (C20)	12.637	7941237	53.725 ug/ml
11) T n-Heneicosane (C21)	13.250	7684442	53.795 ug/ml
13) T n-Docosane (C22)	13.836	7552504	54.156 ug/ml
14) T n-Tetracosane (C24)	14.941	7307291	54.822 ug/ml
15) T n-Hexacosane (C26)	15.962	6889242	54.857 ug/ml
16) T n-Octacosane (C28)	16.912	6492320	54.987 ug/ml
17) T n-Tricontane (C30)	17.800	6323170	54.888 ug/ml
18) T n-Dotriacontane (C32)	18.634	5890021	54.597 ug/ml
19) T n-Tetratriacontane (C34)	19.418	5271042	53.866 ug/ml
20) T n-Hexatriacontane (C36)	20.157	4546558	53.013 ug/ml
21) T n-Octatriacontane (C38)	20.915	4117294	52.520 ug/ml
22) T n-Tetracontane (C40)	21.868	3935168	52.363 ug/ml

(f)=RT Delta > 1/2 Window

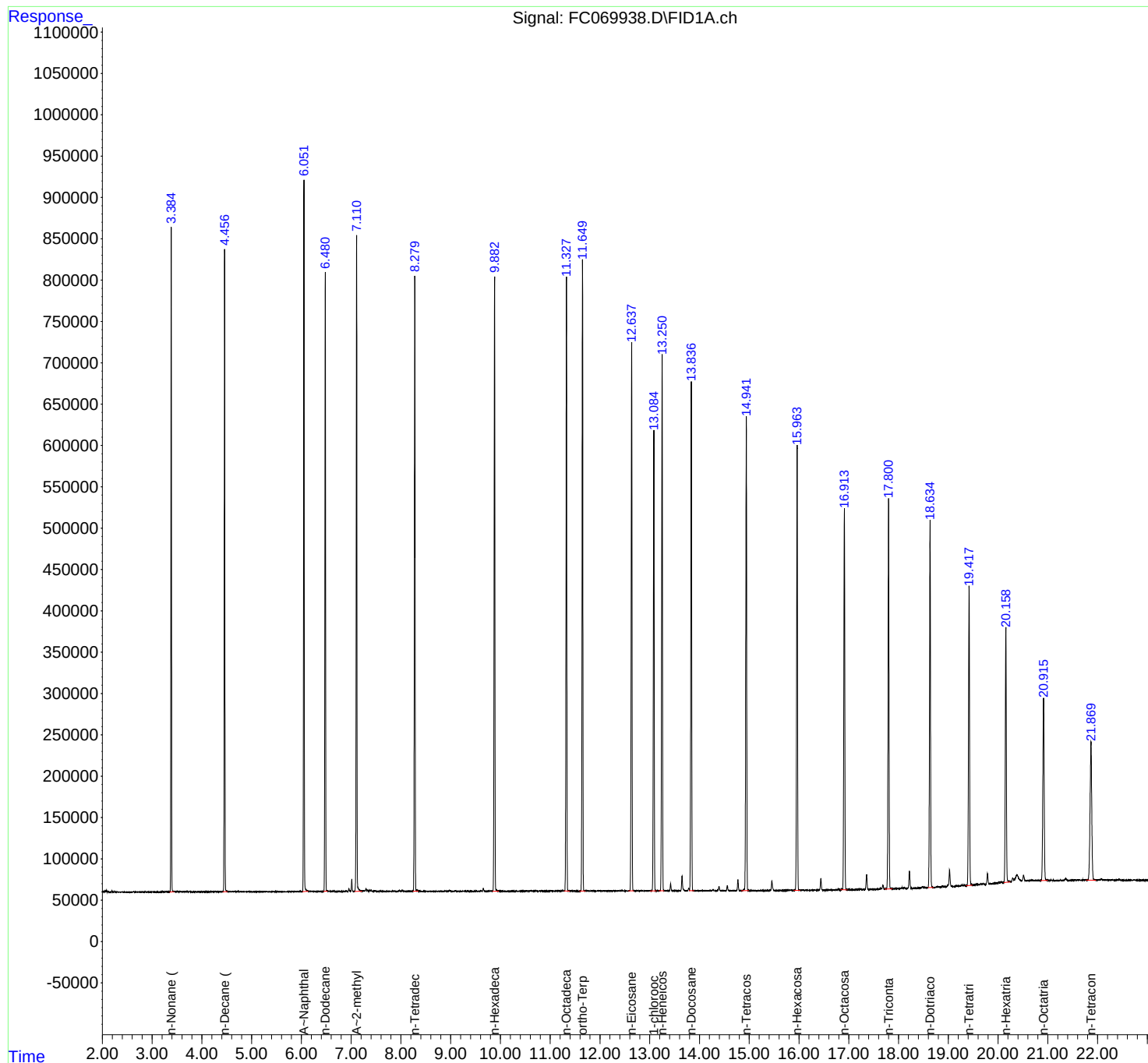
(m)=manual int.

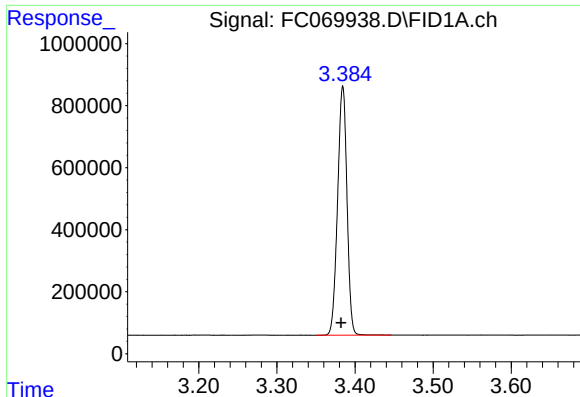
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069938.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 17:03
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 07 09:27:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:26:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

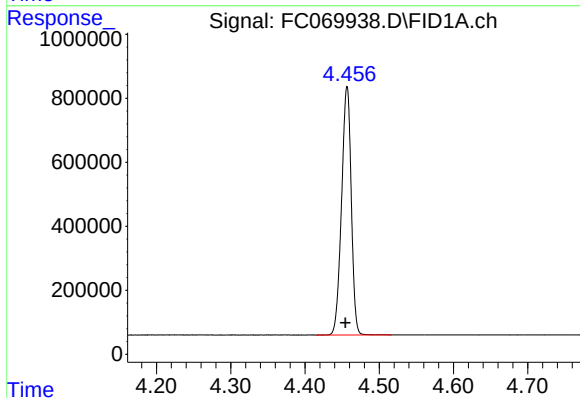




#1 n-Nonane (C9)

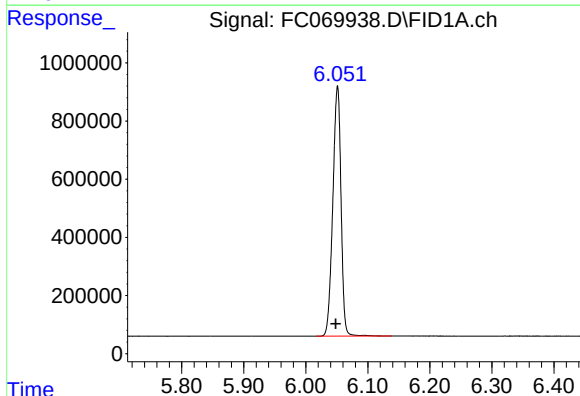
R.T.: 3.384 min
Delta R.T.: 0.002 min
Response: 6696096
Conc: 51.78 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



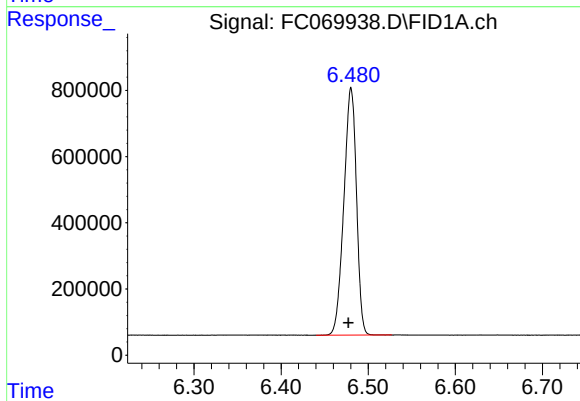
#2 n-Decane (C10)

R.T.: 4.457 min
Delta R.T.: 0.002 min
Response: 7033350
Conc: 52.01 ug/ml



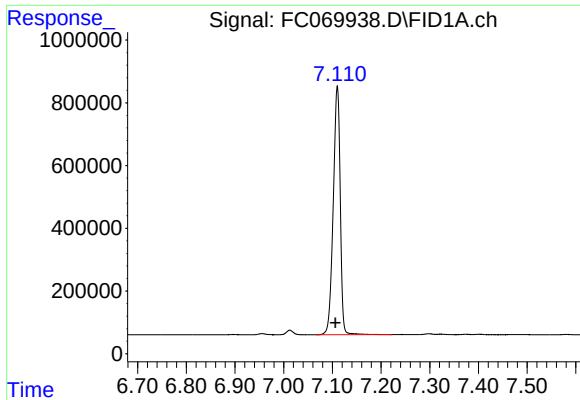
#3 A~Naphthalene (C11.7)

R.T.: 6.051 min
Delta R.T.: 0.003 min
Response: 7918701
Conc: 52.13 ug/ml



#4 n-Dodecane (C12)

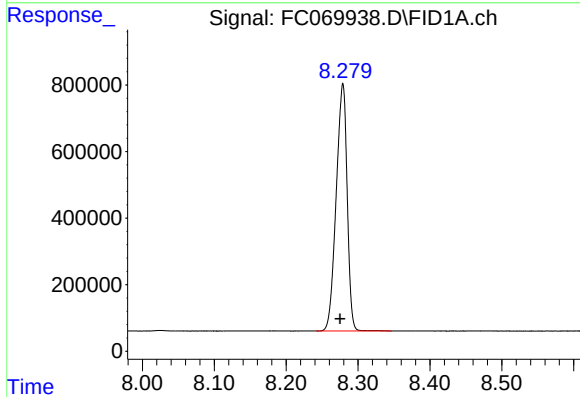
R.T.: 6.480 min
Delta R.T.: 0.003 min
Response: 7521297
Conc: 52.41 ug/ml



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

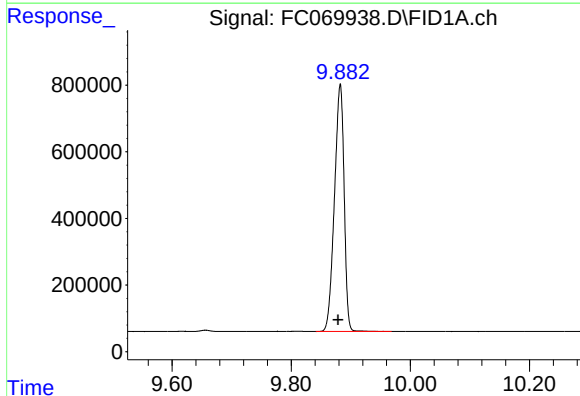
R.T.: 7.110 min
Delta R.T.: 0.004 min
Response: 7871197
Conc: 52.65 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



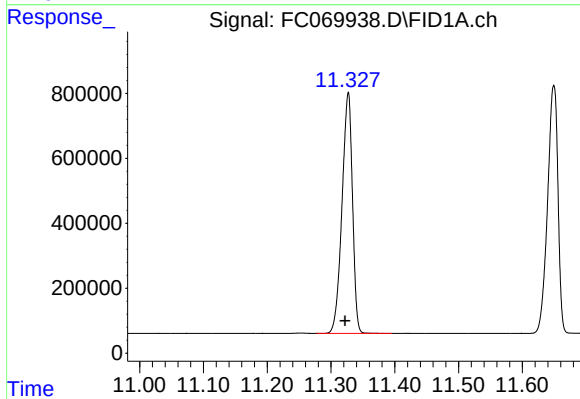
#6 n-Tetradecane (C14)

R.T.: 8.278 min
Delta R.T.: 0.004 min
Response: 7874446
Conc: 53.07 ug/ml



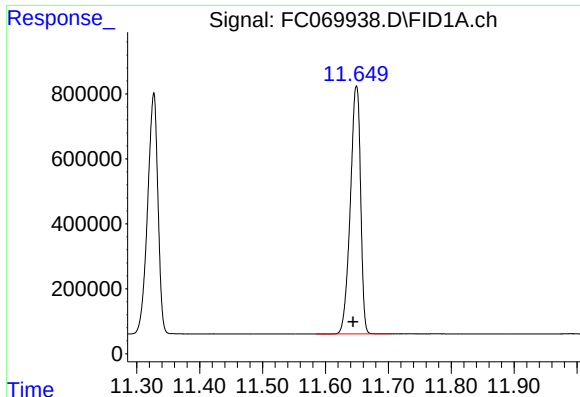
#7 n-Hexadecane (C16)

R.T.: 9.882 min
Delta R.T.: 0.004 min
Response: 8368827
Conc: 53.40 ug/ml



#8 n-Octadecane (C18)

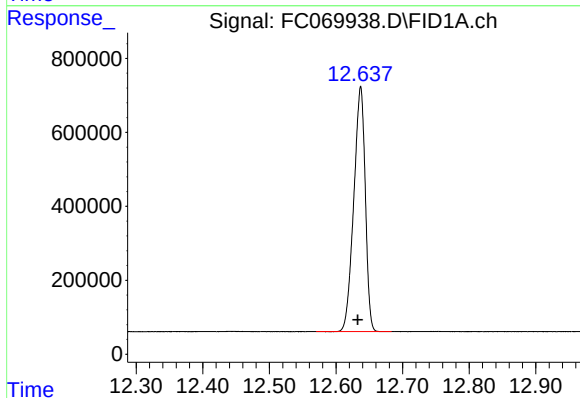
R.T.: 11.327 min
Delta R.T.: 0.005 min
Response: 8439359
Conc: 53.41 ug/ml



#9 ortho-Terphenyl (SURR)

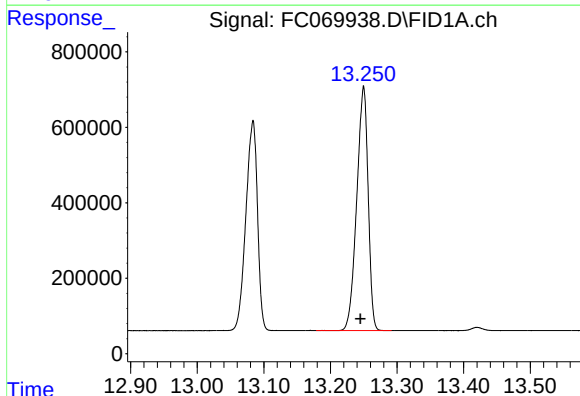
R.T.: 11.649 min
Delta R.T.: 0.005 min
Response: 8639976
Conc: 53.43 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



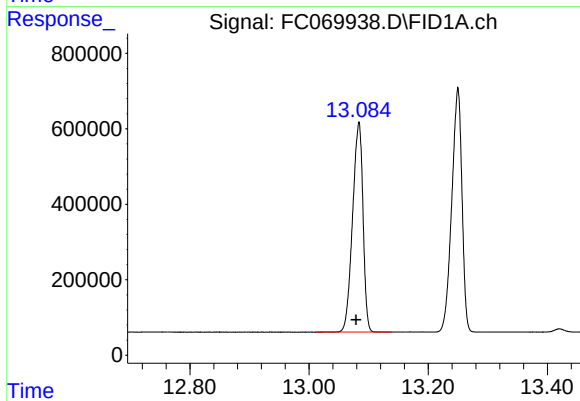
#10 n-Eicosane (C20)

R.T.: 12.637 min
Delta R.T.: 0.004 min
Response: 7941237
Conc: 53.72 ug/ml



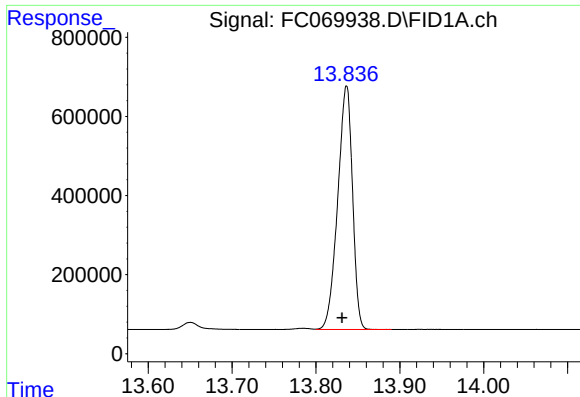
#11 n-Heneicosane (C21)

R.T.: 13.250 min
Delta R.T.: 0.004 min
Response: 7684442
Conc: 53.80 ug/ml



#12 1-chlorooctadecane (SURR)

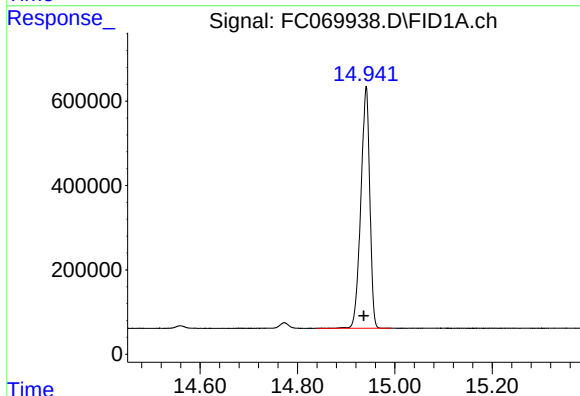
R.T.: 13.083 min
Delta R.T.: 0.004 min
Response: 6744188
Conc: 53.95 ug/ml



#13 n-Docosane (C22)

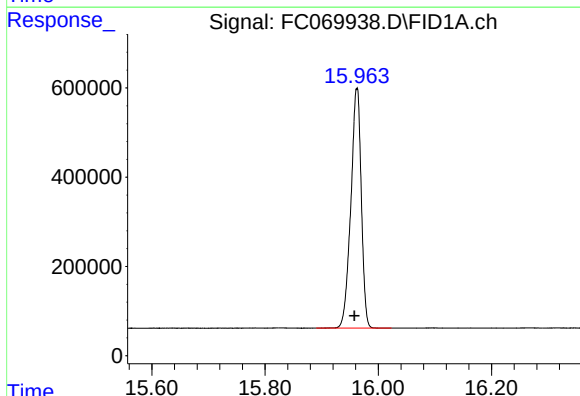
R.T.: 13.836 min
Delta R.T.: 0.005 min
Response: 7552504
Conc: 54.16 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



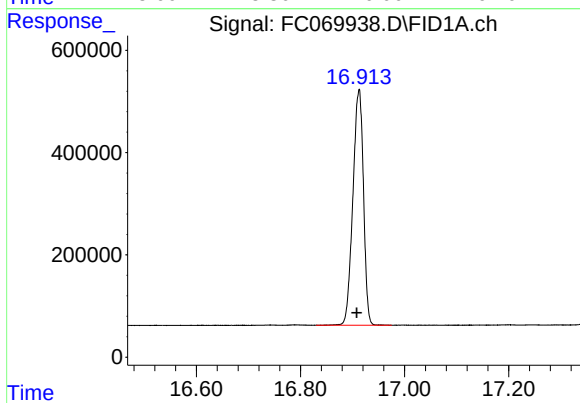
#14 n-Tetracosane (C24)

R.T.: 14.941 min
Delta R.T.: 0.005 min
Response: 7307291
Conc: 54.82 ug/ml



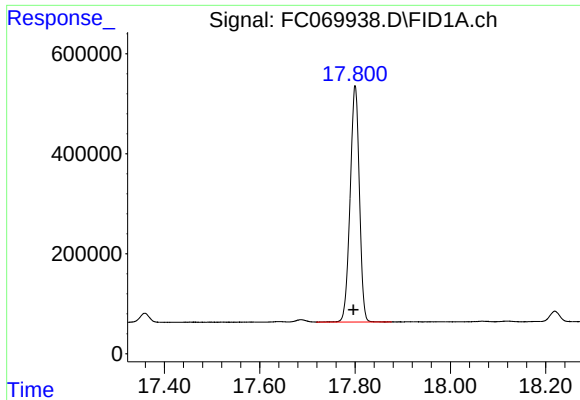
#15 n-Hexacosane (C26)

R.T.: 15.962 min
Delta R.T.: 0.004 min
Response: 6889242
Conc: 54.86 ug/ml



#16 n-Octacosane (C28)

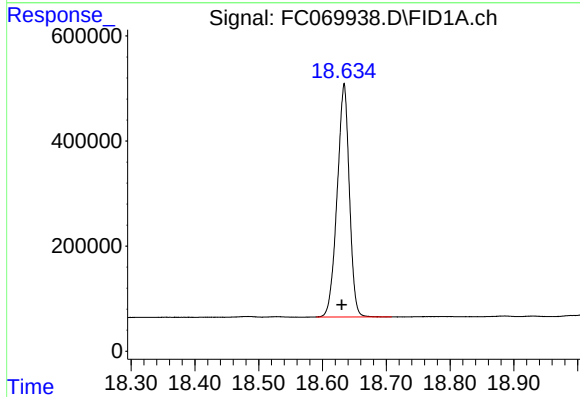
R.T.: 16.912 min
Delta R.T.: 0.004 min
Response: 6492320
Conc: 54.99 ug/ml



#17 n-Tricontane (C30)

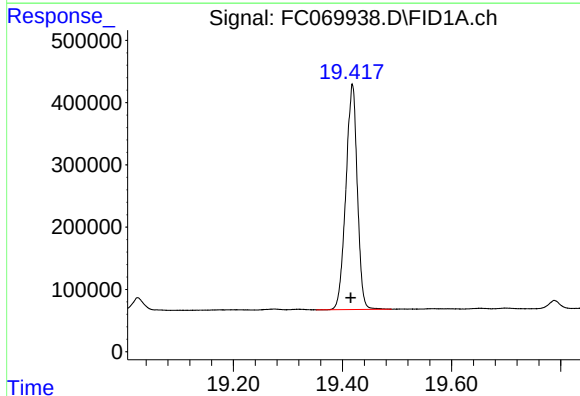
R.T.: 17.800 min
Delta R.T.: 0.003 min
Response: 6323170
Conc: 54.89 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



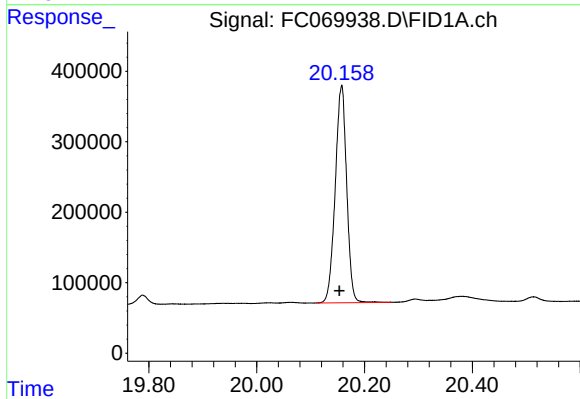
#18 n-Dotriacontane (C32)

R.T.: 18.634 min
Delta R.T.: 0.004 min
Response: 5890021
Conc: 54.60 ug/ml



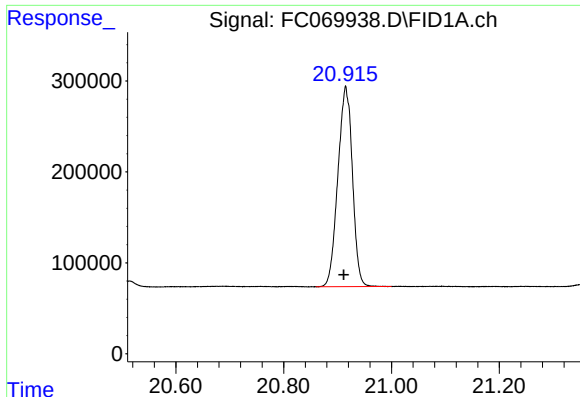
#19 n-Tetratriacontane (C34)

R.T.: 19.418 min
Delta R.T.: 0.003 min
Response: 5271042
Conc: 53.87 ug/ml



#20 n-Hexatriacontane (C36)

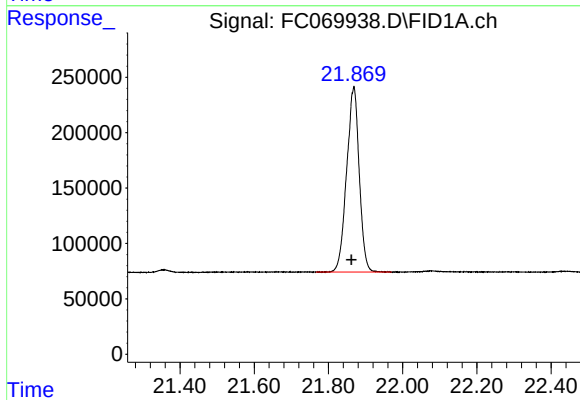
R.T.: 20.157 min
Delta R.T.: 0.004 min
Response: 4546558
Conc: 53.01 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.915 min
Delta R.T.: 0.004 min
Response: 4117294
Conc: 52.52 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.868 min
Delta R.T.: 0.006 min
Response: 3935168
Conc: 52.36 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069938.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 17:03
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.384	3.350	3.447	BB	801570	6696096	77.50%	4.433%
2	4.457	4.415	4.517	BB	779306	7033350	81.40%	4.656%
3	6.051	6.017	6.138	BB	866132	7918701	91.65%	5.242%
4	6.480	6.440	6.527	BB	748366	7521297	87.05%	4.979%
5	7.110	7.067	7.222	BV	794441	7871197	91.10%	5.211%
6	8.279	8.242	8.347	BB	744209	7874446	91.14%	5.213%
7	9.882	9.842	9.968	BB	741300	8368827	96.86%	5.540%
8	11.327	11.277	11.395	BB	742837	8439359	97.68%	5.587%
9	11.649	11.585	11.705	BB	764057	8639976	100.00%	5.720%
10	12.637	12.570	12.683	BB	664039	7941237	91.91%	5.257%
11	13.083	13.012	13.138	BB	556995	6744188	78.06%	4.465%
12	13.250	13.178	13.292	BB	650441	7684442	88.94%	5.087%
13	13.836	13.800	13.890	VB	618103	7552504	87.41%	5.000%
14	14.941	14.838	14.993	BB	570910	7307291	84.58%	4.837%
15	15.962	15.890	16.023	BB	537205	6889242	79.74%	4.561%
16	16.912	16.830	16.975	BB	458574	6492320	75.14%	4.298%
17	17.800	17.718	17.877	PB	472780	6323170	73.19%	4.186%
18	18.634	18.590	18.708	BB	443374	5890021	68.17%	3.899%
19	19.418	19.352	19.490	BB	361847	5271042	61.01%	3.489%
20	20.157	20.110	20.250	BB	306826	4546558	52.62%	3.010%
21	20.915	20.860	21.000	BB	220293	4117294	47.65%	2.726%
22	21.868	21.767	21.970	BB	167406	3935168	45.55%	2.605%
Sum of corrected areas:						151057725		

Aliphatic EPH 100725.M Tue Oct 07 09:56:29 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069939.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 17:50
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Oct 07 09:28:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:26:41 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)	11.644	3233829	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.079	2500104	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.382	2586179	20.000 ug/ml
2) T n-Decane (C10)	4.455	2704739	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.048	3037797	20.000 ug/ml
4) T n-Dodecane (C12)	6.477	2870146	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.106	2990239	20.000 ug/ml
6) T n-Tetradecane (C14)	8.275	2967400	20.000 ug/ml
7) T n-Hexadecane (C16)	9.879	3134629	20.000 ug/ml
8) T n-Octadecane (C18)	11.322	3160241	20.000 ug/ml
10) T n-Eicosane (C20)	12.633	2956263	20.000 ug/ml
11) T n-Heneicosane (C21)	13.245	2856934	20.000 ug/ml
13) T n-Docosane (C22)	13.831	2789185	20.000 ug/ml
14) T n-Tetracosane (C24)	14.936	2665846	20.000 ug/ml
15) T n-Hexacosane (C26)	15.958	2511687	20.000 ug/ml
16) T n-Octacosane (C28)	16.908	2361381	20.000 ug/ml
17) T n-Tricontane (C30)	17.797	2304010	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.630	2157650	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.415	1957095	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.153	1715254	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.912	1567899	20.000 ug/ml
22) T n-Tetracontane (C40)	21.862	1503047	20.000 ug/ml

(f)=RT Delta > 1/2 Window

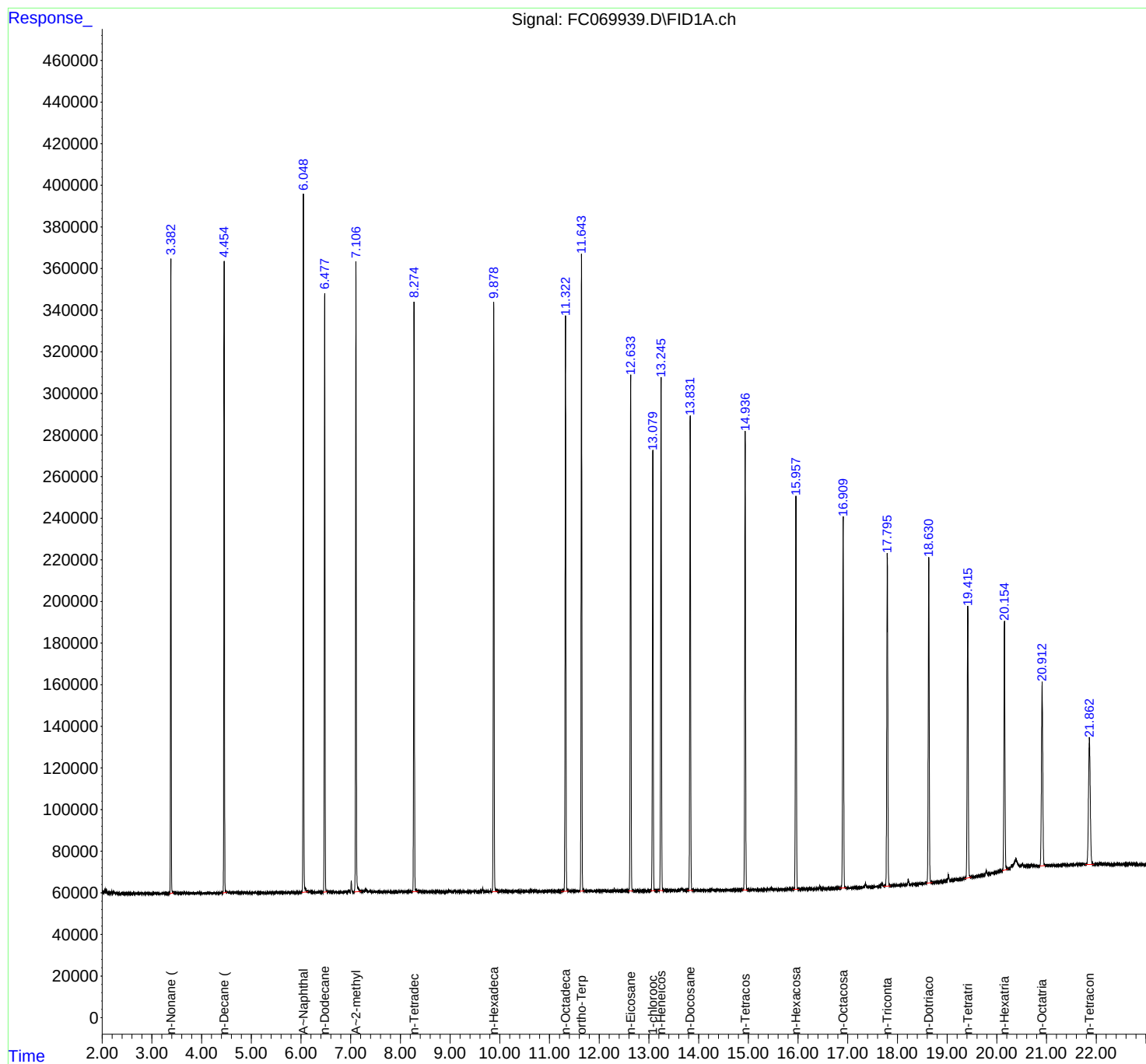
(m)=manual int.

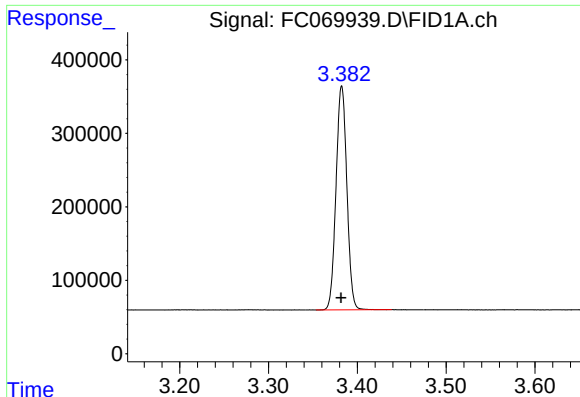
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069939.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 17:50
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 07 09:28:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:26:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

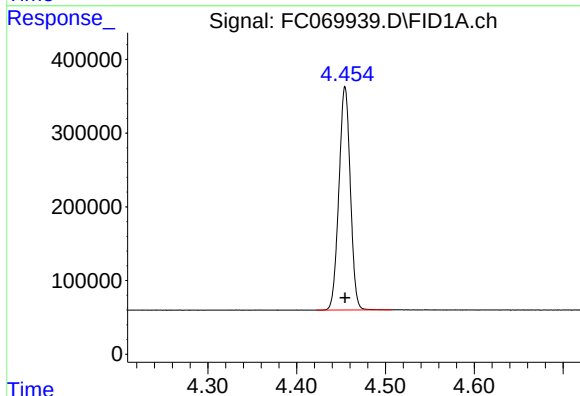




#1 n-Nonane (C9)

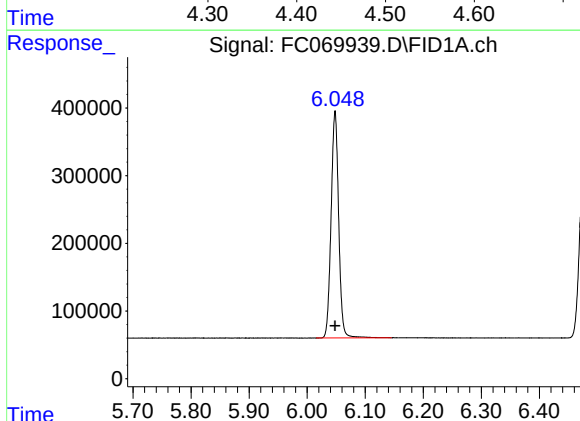
R.T.: 3.382 min
Delta R.T.: 0.000 min
Response: 2586179
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



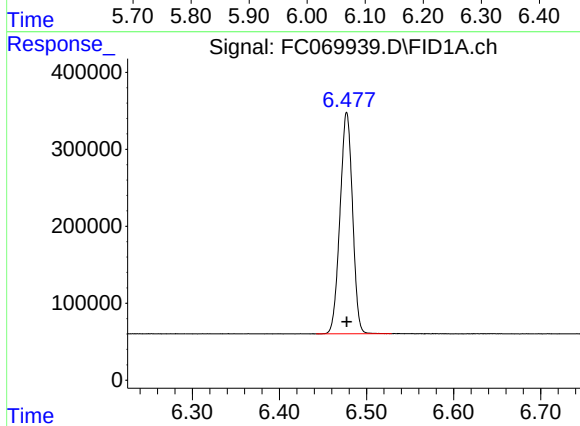
#2 n-Decane (C10)

R.T.: 4.455 min
Delta R.T.: 0.000 min
Response: 2704739
Conc: 20.00 ug/ml



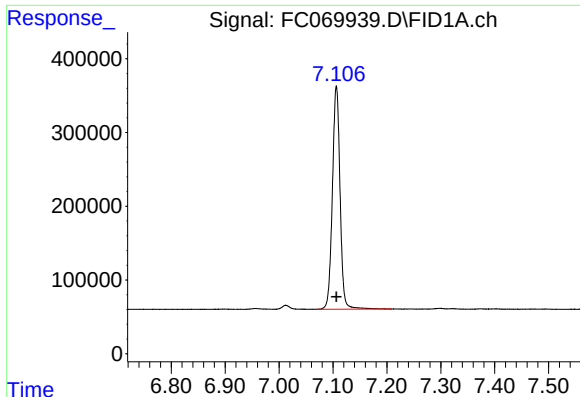
#3 A~Naphthalene (C11.7)

R.T.: 6.048 min
Delta R.T.: 0.000 min
Response: 3037797
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

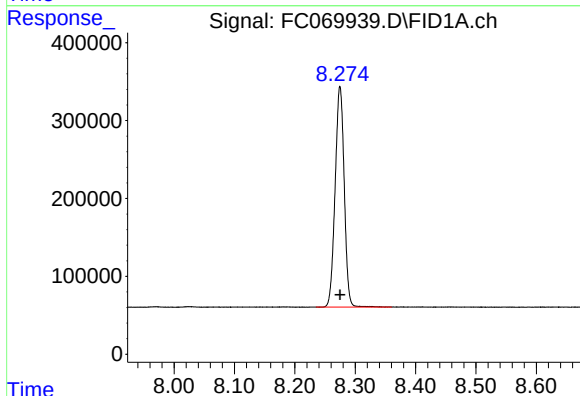
R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 2870146
Conc: 20.00 ug/ml



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

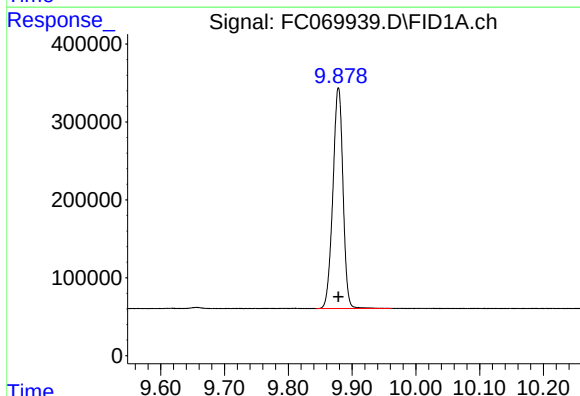
R.T.: 7.106 min
Delta R.T.: 0.000 min
Response: 2990239
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



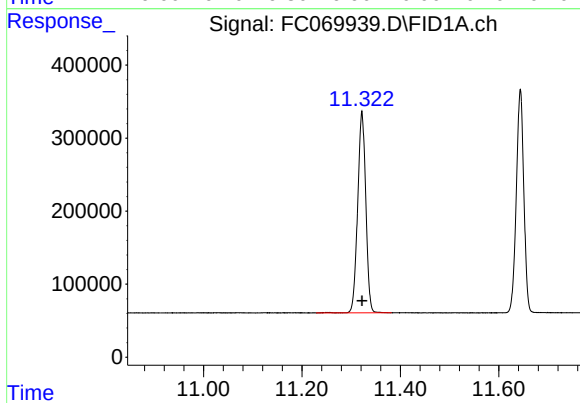
#6 n-Tetradecane (C14)

R.T.: 8.275 min
Delta R.T.: 0.000 min
Response: 2967400
Conc: 20.00 ug/ml



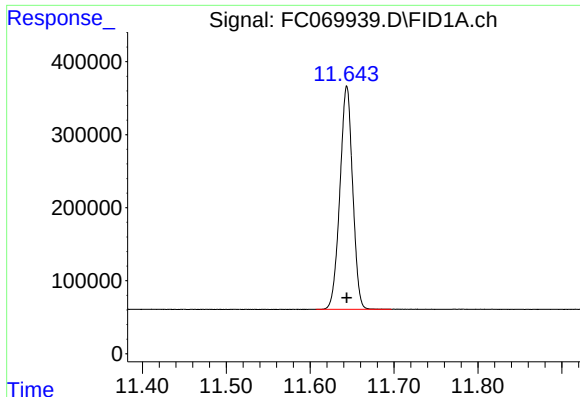
#7 n-Hexadecane (C16)

R.T.: 9.879 min
Delta R.T.: 0.000 min
Response: 3134629
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

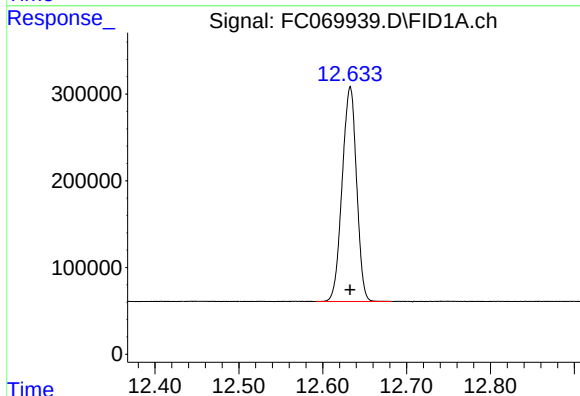
R.T.: 11.322 min
Delta R.T.: 0.000 min
Response: 3160241
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

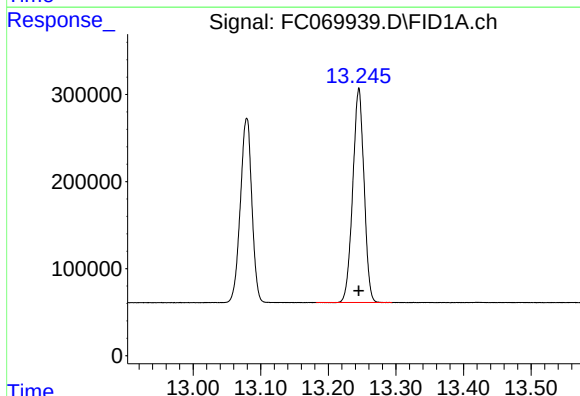
R.T.: 11.644 min
Delta R.T.: 0.000 min
Response: 3233829
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



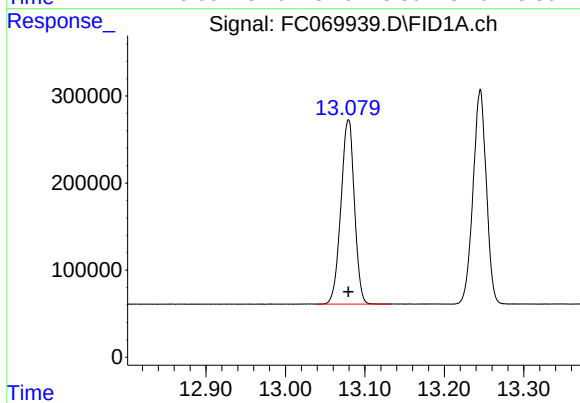
#10 n-Eicosane (C20)

R.T.: 12.633 min
Delta R.T.: 0.000 min
Response: 2956263
Conc: 20.00 ug/ml



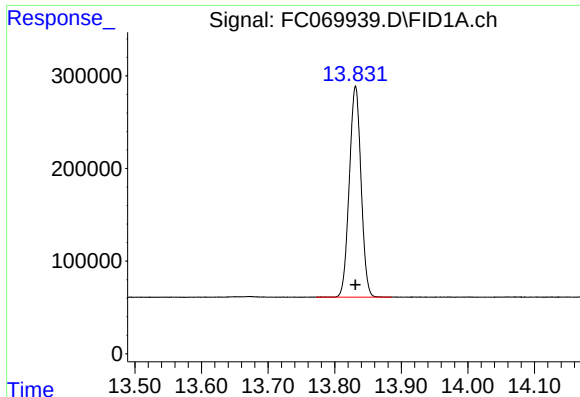
#11 n-Heneicosane (C21)

R.T.: 13.245 min
Delta R.T.: 0.000 min
Response: 2856934
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

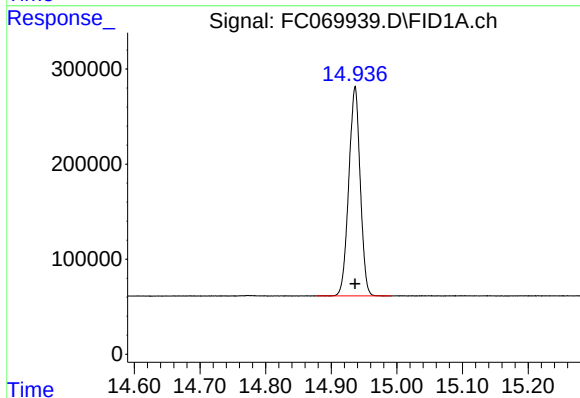
R.T.: 13.079 min
Delta R.T.: 0.000 min
Response: 2500104
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

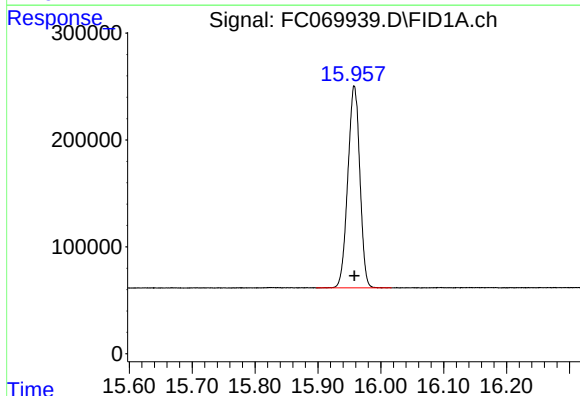
R.T.: 13.831 min
Delta R.T.: 0.000 min
Response: 2789185
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



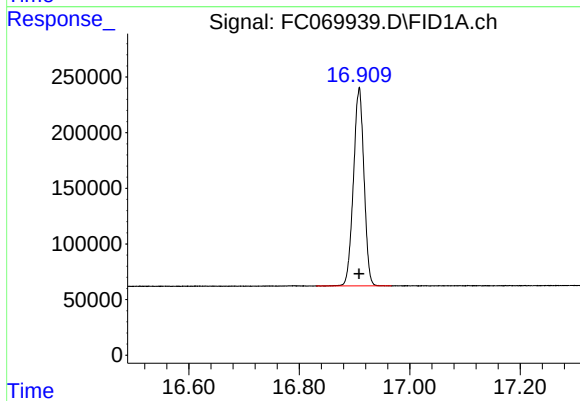
#14 n-Tetracosane (C24)

R.T.: 14.936 min
Delta R.T.: 0.000 min
Response: 2665846
Conc: 20.00 ug/ml



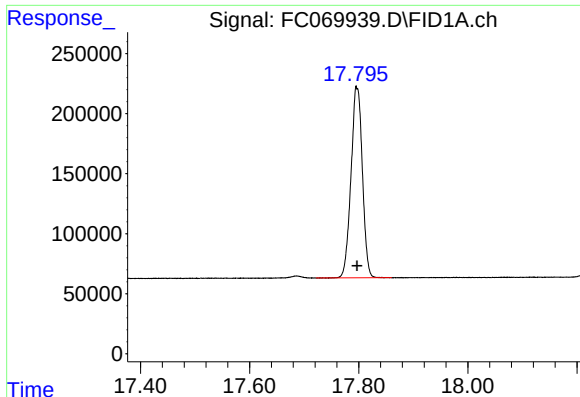
#15 n-Hexacosane (C26)

R.T.: 15.958 min
Delta R.T.: 0.000 min
Response: 2511687
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

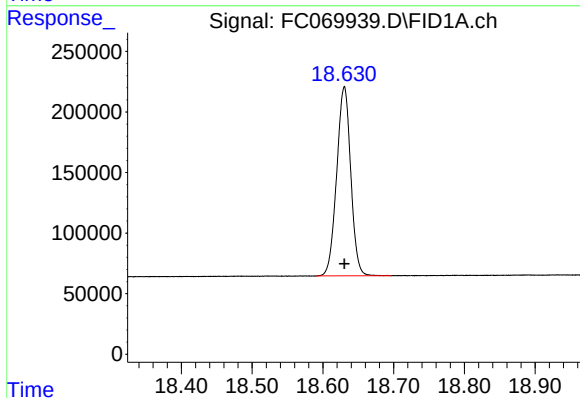
R.T.: 16.908 min
Delta R.T.: 0.000 min
Response: 2361381
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

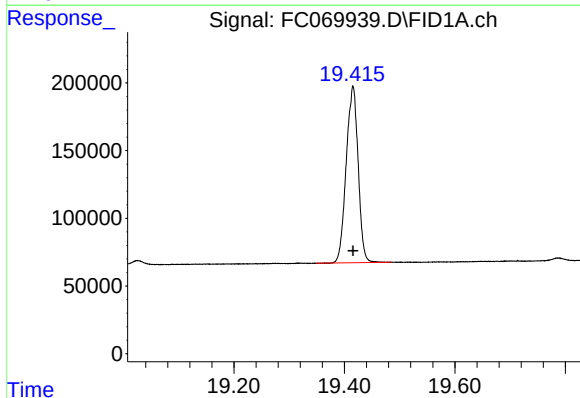
R.T.: 17.797 min
Delta R.T.: 0.000 min
Response: 2304010
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



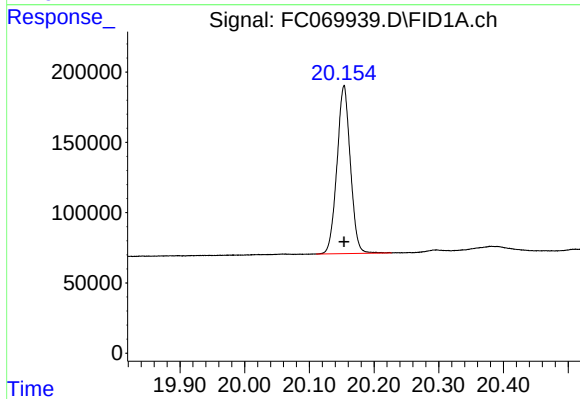
#18 n-Dotriacontane (C32)

R.T.: 18.630 min
Delta R.T.: 0.000 min
Response: 2157650
Conc: 20.00 ug/ml



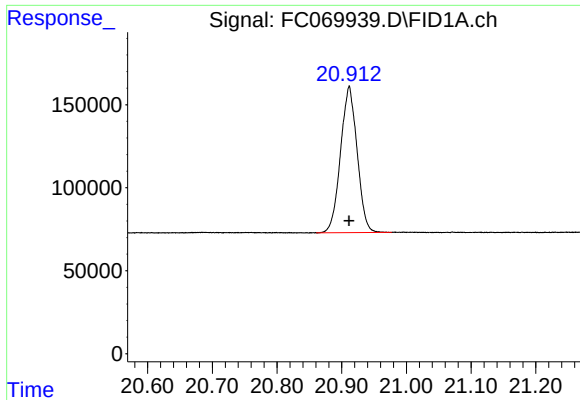
#19 n-Tetratriacontane (C34)

R.T.: 19.415 min
Delta R.T.: 0.000 min
Response: 1957095
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

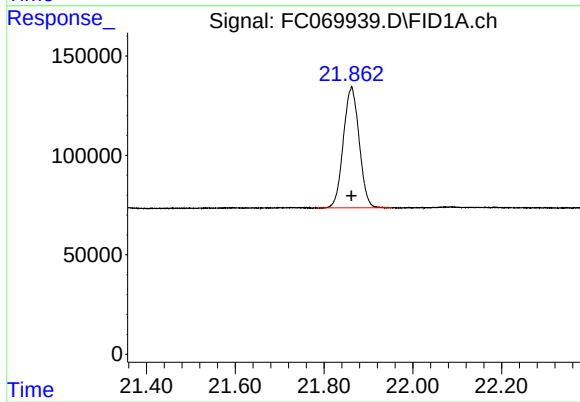
R.T.: 20.153 min
Delta R.T.: 0.000 min
Response: 1715254
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.912 min
Delta R.T.: 0.000 min
Response: 1567899
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.862 min
Delta R.T.: 0.000 min
Response: 1503047
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069939.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 17:50
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.383	3.354	3.439	BB	304942	2586179	79.97%	4.575%
2	4.455	4.422	4.507	BB	303233	2704739	83.64%	4.784%
3	6.048	6.015	6.145	BB	336136	3037797	93.94%	5.374%
4	6.477	6.442	6.529	BB	288019	2870146	88.75%	5.077%
5	7.106	7.069	7.209	BB	302692	2990239	92.47%	5.290%
6	8.275	8.235	8.360	BB	283402	2967400	91.76%	5.249%
7	9.879	9.844	9.962	BB	283622	3134629	96.93%	5.545%
8	11.322	11.229	11.382	BB	275975	3160241	97.72%	5.590%
9	11.644	11.607	11.697	BB	306418	3233829	100.00%	5.720%
10	12.633	12.592	12.682	BB	247337	2956263	91.42%	5.229%
11	13.079	13.039	13.134	BB	211975	2500104	77.31%	4.422%
12	13.245	13.182	13.294	BB	247074	2856934	88.35%	5.054%
13	13.831	13.772	13.885	BB	228326	2789185	86.25%	4.934%
14	14.936	14.877	14.992	BB	219421	2665846	82.44%	4.716%
15	15.958	15.897	16.017	BB	189463	2511687	77.67%	4.443%
16	16.908	16.830	16.967	BB	179015	2361381	73.02%	4.177%
17	17.797	17.722	17.860	BB	157250	2304010	71.25%	4.076%
18	18.630	18.590	18.697	BB	156475	2157650	66.72%	3.817%
19	19.415	19.349	19.485	BB	130941	1957095	60.52%	3.462%
20	20.153	20.110	20.227	BB	119849	1715254	53.04%	3.034%
21	20.912	20.860	20.977	BB	88544	1567899	48.48%	2.773%
22	21.862	21.782	21.952	BB	61121	1503047	46.48%	2.659%
Sum of corrected areas:							56531551	

Aliphatic EPH 100725.M Tue Oct 07 09:56:50 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069940.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 18:35
 Operator : YP/AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/07/2025
 Supervised By :mohammad ahmed 10/08/2025

Integration File: autoint1.e
 Quant Time: Oct 07 09:28:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:26:41 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)	11.643	1801769	11.143 ug/ml
Spiked Amount 50.000		Recovery =	22.29%
12) S 1-chlorooctadecane (S...	13.078	1388999	11.112 ug/ml
Spiked Amount 50.000		Recovery =	22.22%
Target Compounds			
1) T n-Nonane (C9)	3.383	1405419	10.869 ug/ml
2) T n-Decane (C10)	4.454	1465951	10.840 ug/ml
3) T A~Naphthalene (C11.7)	6.048	1651182	10.871 ug/ml
4) T n-Dodecane (C12)	6.477	1556658	10.847 ug/ml
5) T A~2-methylnaphthalene...	7.106	1621428	10.845 ug/ml
6) T n-Tetradecane (C14)	8.274	1614710	10.883 ug/ml
7) T n-Hexadecane (C16)	9.877	1710570	10.914 ug/ml
8) T n-Octadecane (C18)	11.321	1731363	10.957 ug/ml
10) T n-Eicosane (C20)	12.632	1640453	11.098 ug/ml
11) T n-Heneicosane (C21)	13.244	1588969	11.124 ug/ml
13) T n-Docosane (C22)	13.831	1574378	11.289 ug/ml
14) T n-Tetracosane (C24)	14.935	1554075	11.659 ug/ml
15) T n-Hexacosane (C26)	15.957	1477357	11.764 ug/ml
16) T n-Octacosane (C28)	16.908	1413177	11.969 ug/ml
17) T n-Tricontane (C30)	17.796	1411056	12.249 ug/ml
18) T n-Dotriacontane (C32)	18.630	1341453	12.434 ug/ml
19) T n-Tetratriacontane (C34)	19.413	1188034	12.141 ug/mlm
20) T n-Hexatriacontane (C36)	20.154	1002661	11.691 ug/ml
21) T n-Octatriacontane (C38)	20.911	914301	11.663 ug/ml
22) T n-Tetracontane (C40)	21.862	866175	11.526 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069940.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 18:35
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

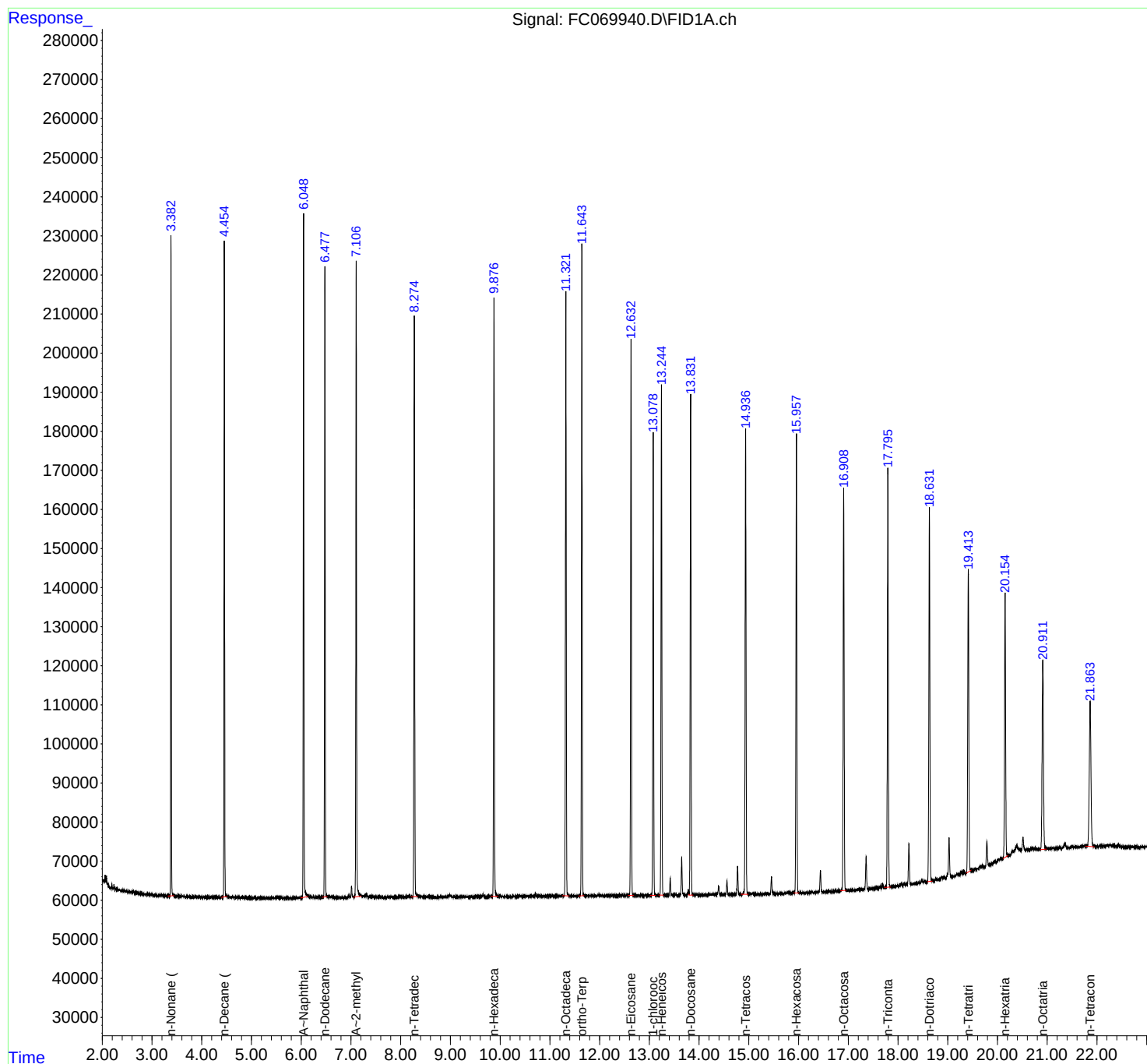
Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

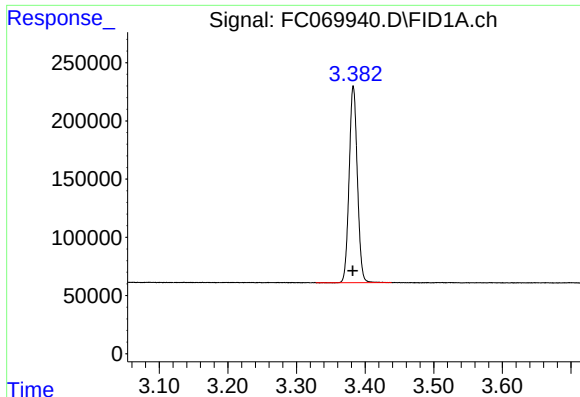
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/08/2025

Integration File: autoint1.e
Quant Time: Oct 07 09:28:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:26:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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





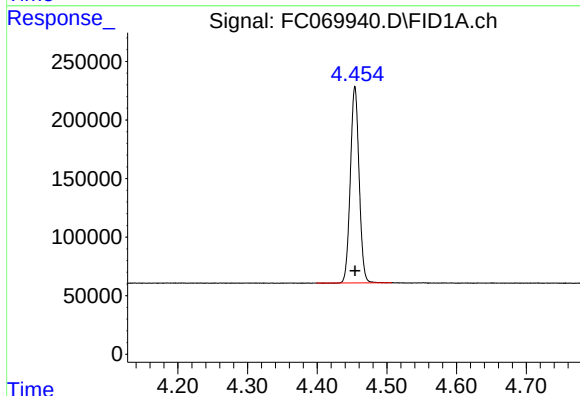
#1 n-Nonane (C9)

R.T.: 3.383 min
Delta R.T.: 0.000 min
Response: 1405419
Conc: 10.87 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

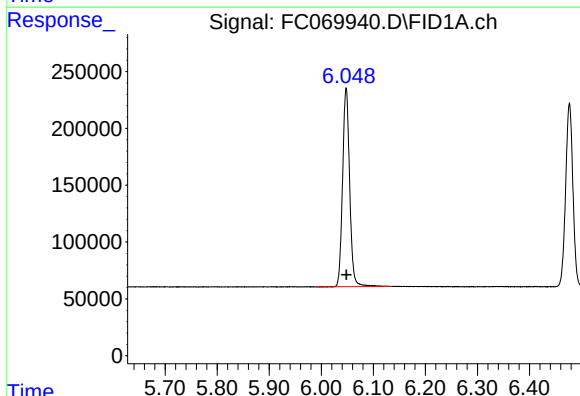
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



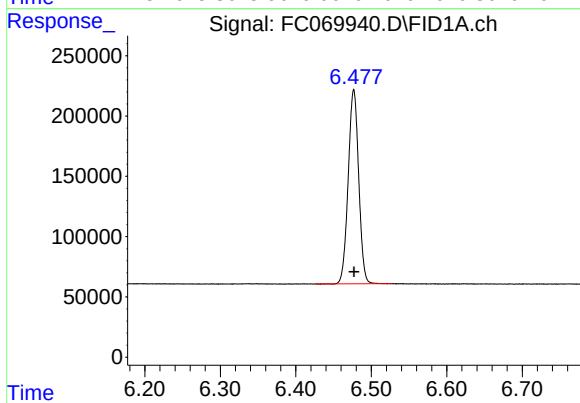
#2 n-Decane (C10)

R.T.: 4.454 min
Delta R.T.: 0.000 min
Response: 1465951
Conc: 10.84 ug/ml



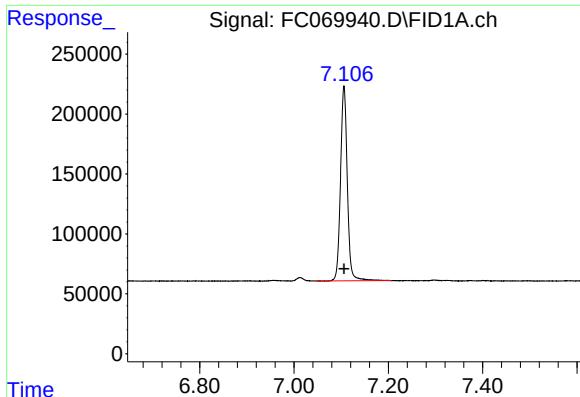
#3 A~Naphthalene (C11.7)

R.T.: 6.048 min
Delta R.T.: 0.000 min
Response: 1651182
Conc: 10.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 1556658
Conc: 10.85 ug/ml



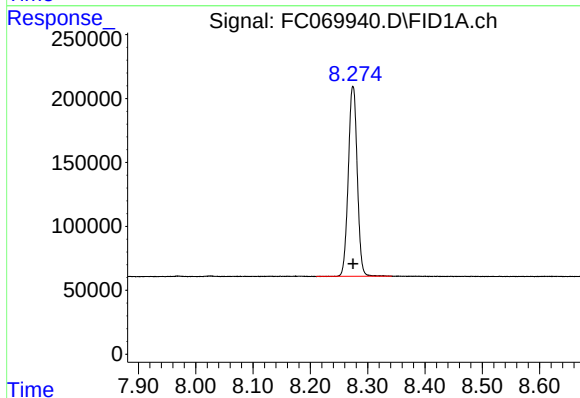
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.106 min
Delta R.T.: 0.000 min
Response: 1621428
Conc: 10.84 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

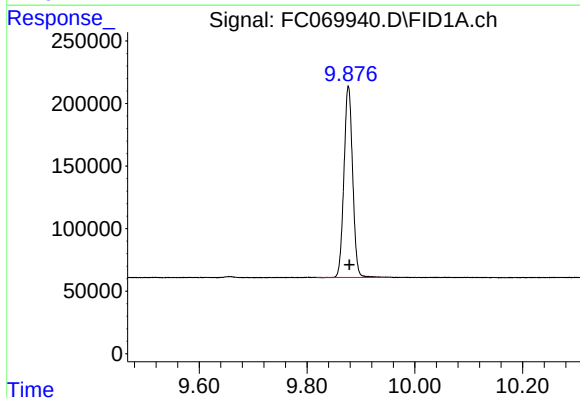
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



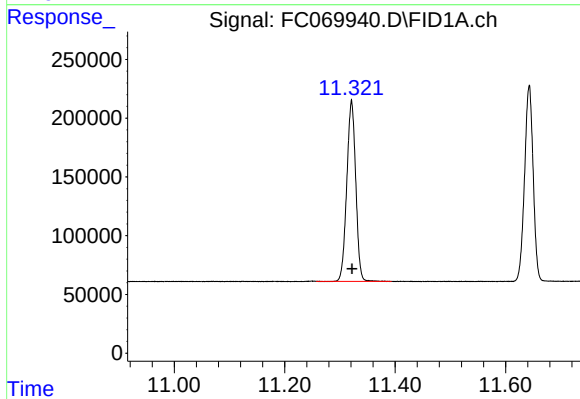
#6 n-Tetradecane (C14)

R.T.: 8.274 min
Delta R.T.: 0.000 min
Response: 1614710
Conc: 10.88 ug/ml



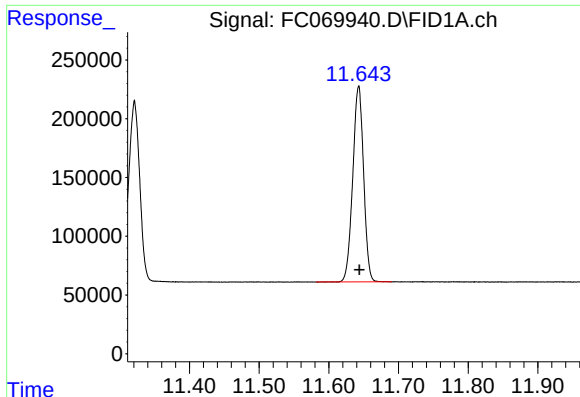
#7 n-Hexadecane (C16)

R.T.: 9.877 min
Delta R.T.: -0.002 min
Response: 1710570
Conc: 10.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.321 min
Delta R.T.: 0.000 min
Response: 1731363
Conc: 10.96 ug/ml



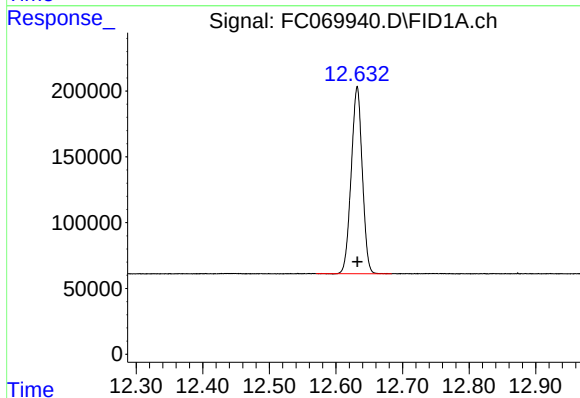
#9 ortho-Terphenyl (SURR)

R.T.: 11.643 min
Delta R.T.: 0.000 min
Response: 1801769
Conc: 11.14 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

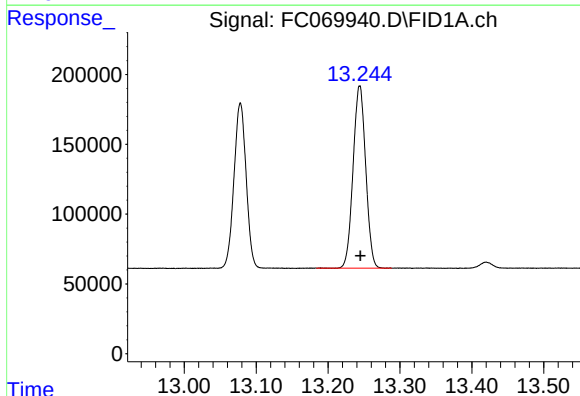
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



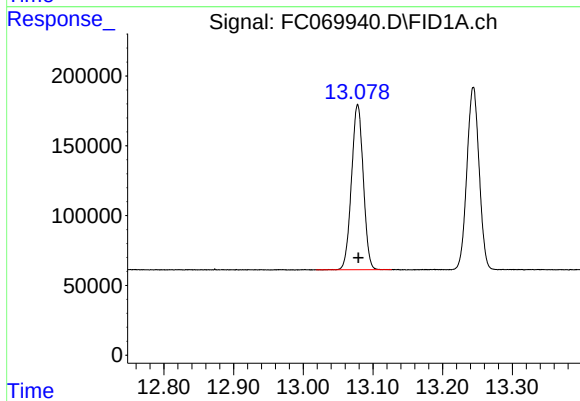
#10 n-Eicosane (C20)

R.T.: 12.632 min
Delta R.T.: 0.000 min
Response: 1640453
Conc: 11.10 ug/ml



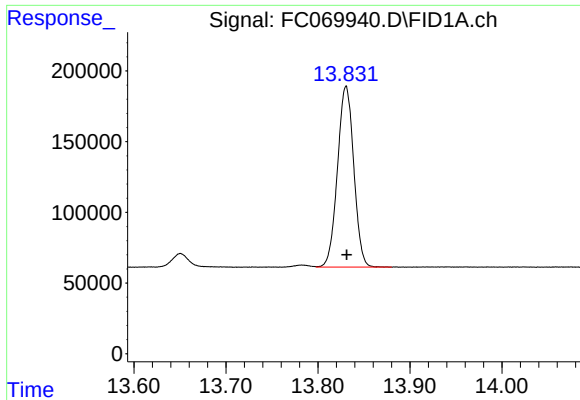
#11 n-Heneicosane (C21)

R.T.: 13.244 min
Delta R.T.: -0.001 min
Response: 1588969
Conc: 11.12 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.078 min
Delta R.T.: -0.001 min
Response: 1388999
Conc: 11.11 ug/ml



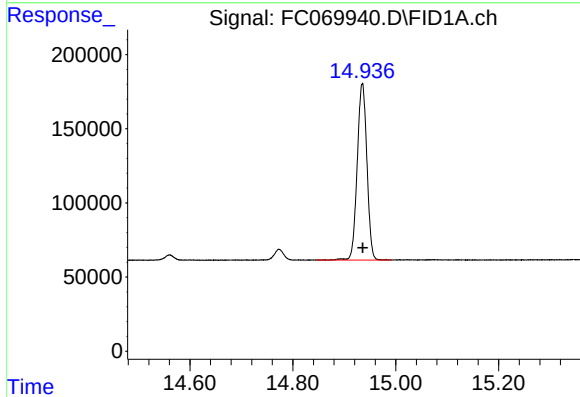
#13 n-Docosane (C22)

R.T.: 13.831 min
Delta R.T.: 0.000 min
Response: 1574378
Conc: 11.29 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

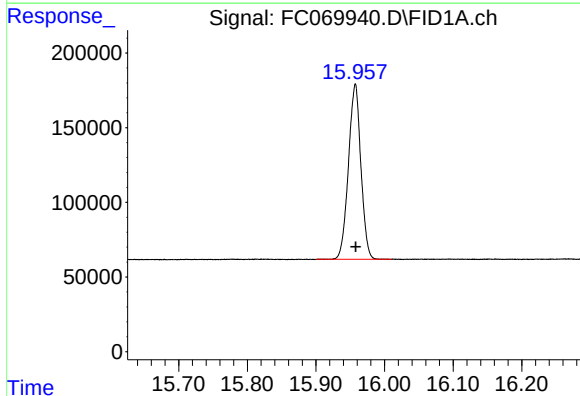
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



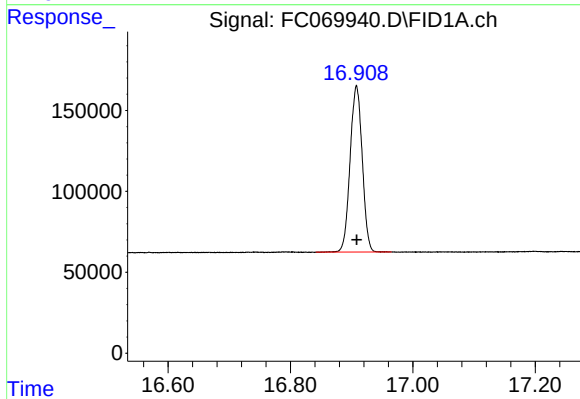
#14 n-Tetracosane (C24)

R.T.: 14.935 min
Delta R.T.: -0.001 min
Response: 1554075
Conc: 11.66 ug/ml



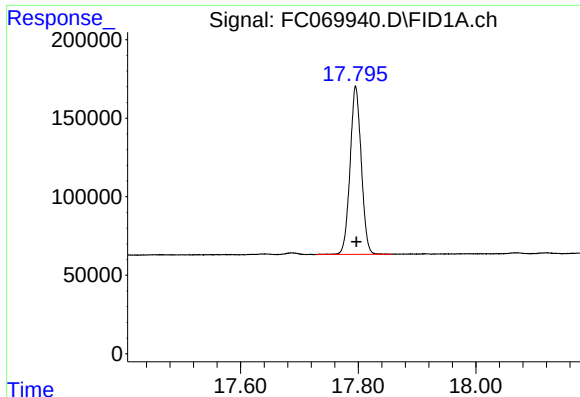
#15 n-Hexacosane (C26)

R.T.: 15.957 min
Delta R.T.: 0.000 min
Response: 1477357
Conc: 11.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.908 min
Delta R.T.: 0.000 min
Response: 1413177
Conc: 11.97 ug/ml



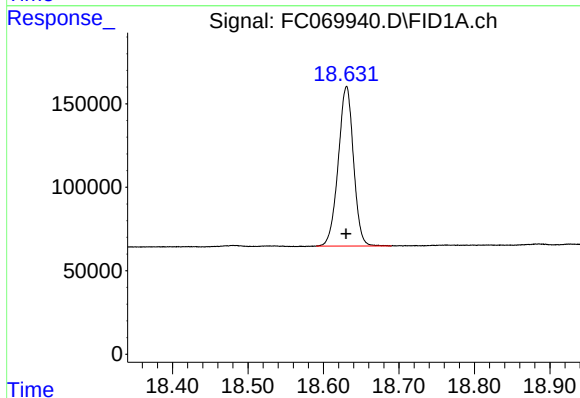
#17 n-Tricontane (C30)

R.T.: 17.796 min
Delta R.T.: -0.001 min
Response: 1411056
Conc: 12.25 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

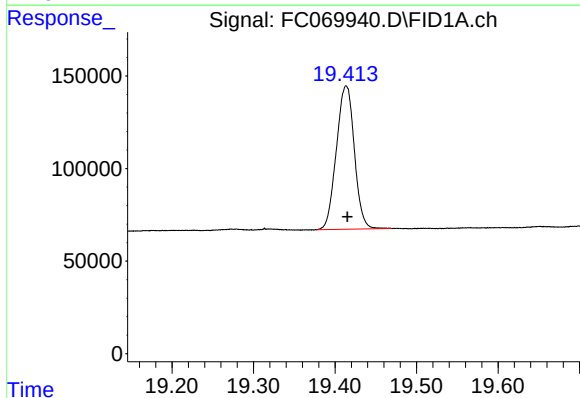
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



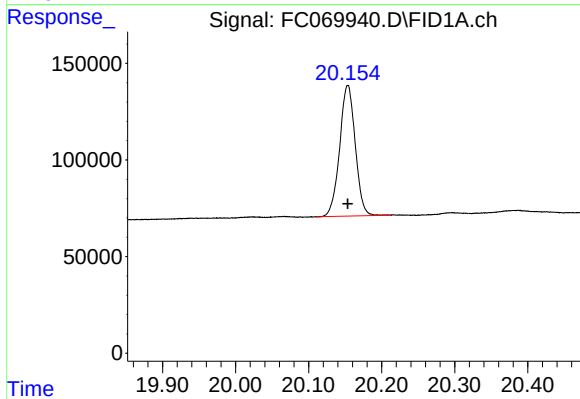
#18 n-Dotriacontane (C32)

R.T.: 18.630 min
Delta R.T.: 0.000 min
Response: 1341453
Conc: 12.43 ug/ml



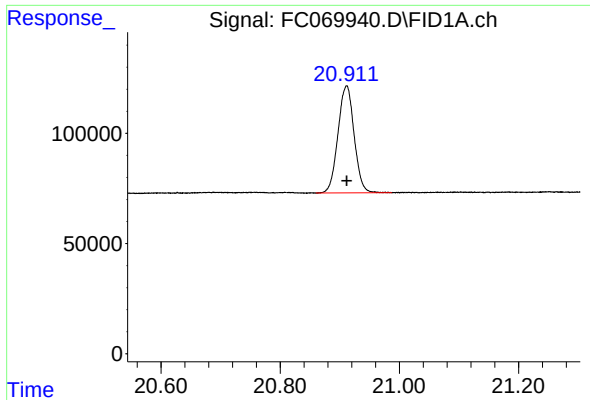
#19 n-Tetratriacontane (C34)

R.T.: 19.413 min
Delta R.T.: -0.002 min
Response: 1188034
Conc: 12.14 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.154 min
Delta R.T.: 0.000 min
Response: 1002661
Conc: 11.69 ug/ml



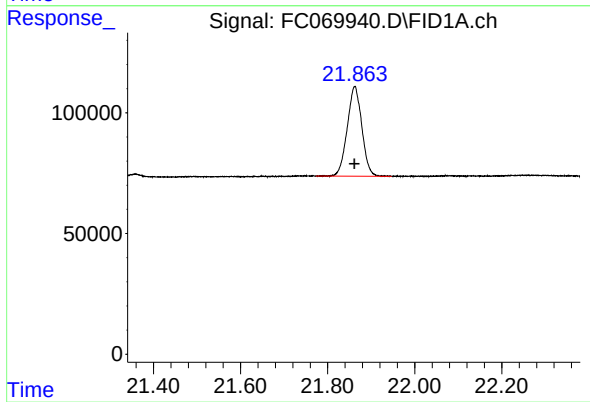
#21 n-Octatriacontane (C38)

R.T.: 20.911 min
Delta R.T.: 0.000 min
Response: 914301
Conc: 11.66 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



#22 n-Tetracontane (C40)

R.T.: 21.862 min
Delta R.T.: 0.000 min
Response: 866175
Conc: 11.53 ug/ml

rters

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

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725
Data File : FC069940.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 18:35
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/08/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.383	3.329	3.439	BB	168169	1405419	78.00%	4.403%
2	4.454	4.399	4.507	BB	167388	1465951	81.36%	4.593%
3	6.048	5.990	6.135	BB	175506	1651182	91.64%	5.173%
4	6.477	6.427	6.527	BB	161264	1556658	86.40%	4.877%
5	7.106	7.047	7.207	BB	162945	1621428	89.99%	5.080%
6	8.274	8.210	8.342	BB	148764	1614710	89.62%	5.059%
7	9.877	9.817	9.957	BB	152925	1710570	94.94%	5.360%
8	11.321	11.257	11.394	BB	153863	1731363	96.09%	5.425%
9	11.643	11.582	11.690	BB	166069	1801769	100.00%	5.645%
10	12.632	12.570	12.684	BB	142405	1640453	91.05%	5.140%
11	13.078	13.019	13.127	BB	118480	1388999	77.09%	4.352%
12	13.244	13.184	13.289	BB	130906	1588969	88.19%	4.979%
13	13.831	13.798	13.880	VB	127858	1574378	87.38%	4.933%
14	14.935	14.845	14.992	BB	118885	1554075	86.25%	4.869%
15	15.957	15.900	16.010	BB	117520	1477357	81.99%	4.629%
16	16.908	16.842	16.965	BB	102815	1413177	78.43%	4.428%
17	17.796	17.729	17.857	BB	107103	1411056	78.32%	4.421%
18	18.630	18.590	18.690	BB	95648	1341453	74.45%	4.203%
19	19.414	19.305	19.470	BB	77410	1184171	65.72%	3.710%
20	20.154	20.110	20.214	BB	67689	1002661	55.65%	3.142%
21	20.911	20.860	20.987	BB	48675	914301	50.74%	2.865%
22	21.862	21.774	21.947	BB	37160	866175	48.07%	2.714%
Sum of corrected areas:						31916275		

Aliphatic EPH 100725.M Tue Oct 07 09:57:22 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069941.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 19:19
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Oct 07 09:28:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:26:41 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)	11.642	945317	5.846 ug/ml
Spiked Amount 50.000		Recovery =	11.69%
12) S 1-chlorooctadecane (S...	13.077	725060	5.800 ug/ml
Spiked Amount 50.000		Recovery =	11.60%
Target Compounds			
1) T n-Nonane (C9)	3.384	738481	5.711 ug/ml
2) T n-Decane (C10)	4.455	768097	5.680 ug/ml
3) T A~Naphthalene (C11.7)	6.048	858039	5.649 ug/ml
4) T n-Dodecane (C12)	6.477	814407	5.675 ug/ml
5) T A~2-methylnaphthalene...	7.106	839181	5.613 ug/ml
6) T n-Tetradecane (C14)	8.274	834987	5.628 ug/ml
7) T n-Hexadecane (C16)	9.877	890828	5.684 ug/ml
8) T n-Octadecane (C18)	11.320	907348	5.742 ug/ml
10) T n-Eicosane (C20)	12.631	864853	5.851 ug/ml
11) T n-Heneicosane (C21)	13.243	838040	5.867 ug/ml
13) T n-Docosane (C22)	13.831	859000	6.160 ug/ml
14) T n-Tetracosane (C24)	14.934	901906	6.766 ug/ml
15) T n-Hexacosane (C26)	15.957	890282	7.089 ug/ml
16) T n-Octacosane (C28)	16.906	879183	7.446 ug/ml
17) T n-Tricontane (C30)	17.796	882722	7.662 ug/ml
18) T n-Dotriacontane (C32)	18.628	847118	7.852 ug/ml
19) T n-Tetratriacontane (C34)	19.412	720186	7.360 ug/ml
20) T n-Hexatriacontane (C36)	20.152	578690	6.748 ug/ml
21) T n-Octatriacontane (C38)	20.910	500729	6.387 ug/ml
22) T n-Tetracontane (C40)	21.856	450964	6.001 ug/ml

(f)=RT Delta > 1/2 Window

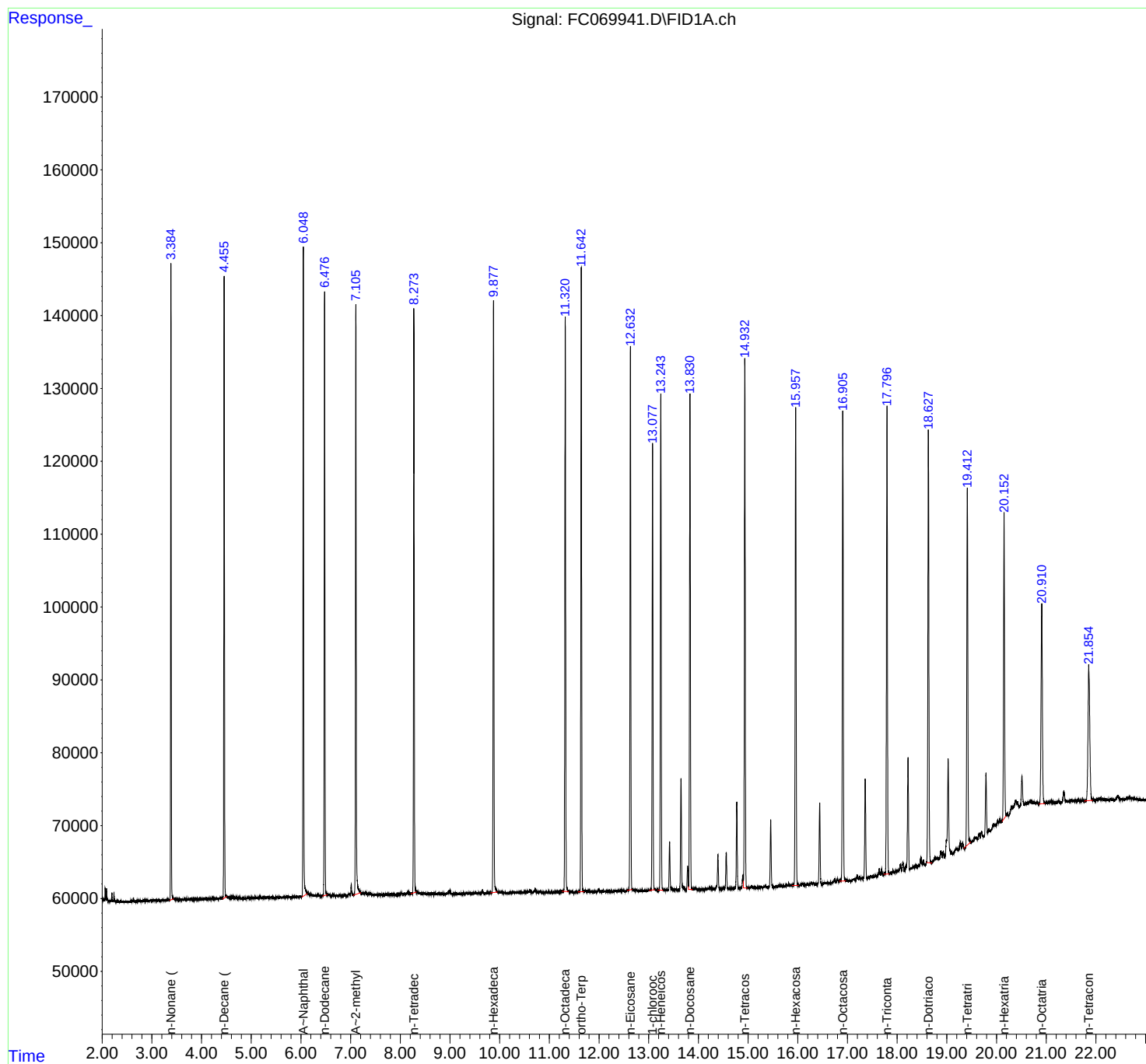
(m)=manual int.

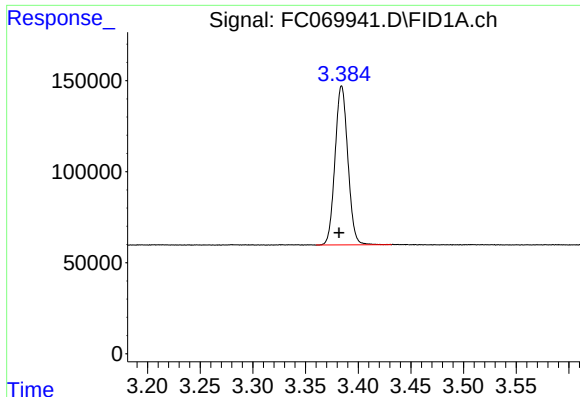
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069941.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 19:19
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 07 09:28:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:26:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

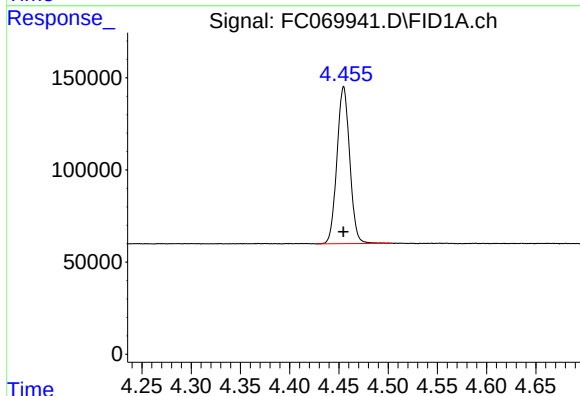




#1 n-Nonane (C9)

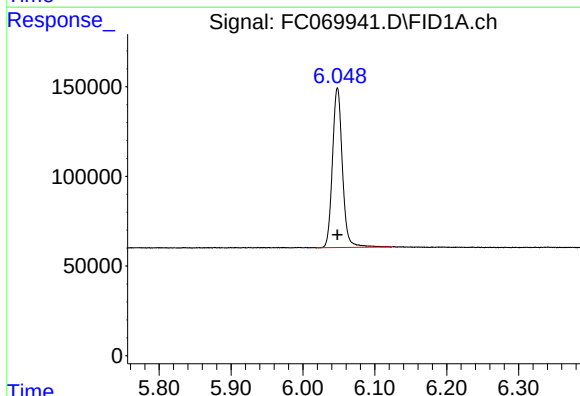
R.T.: 3.384 min
Delta R.T.: 0.002 min
Response: 738481
Conc: 5.71 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



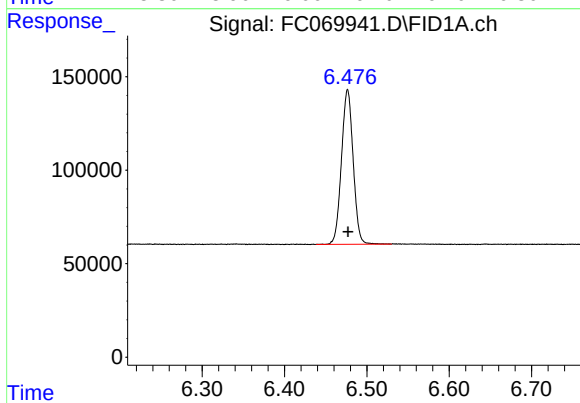
#2 n-Decane (C10)

R.T.: 4.455 min
Delta R.T.: 0.000 min
Response: 768097
Conc: 5.68 ug/ml



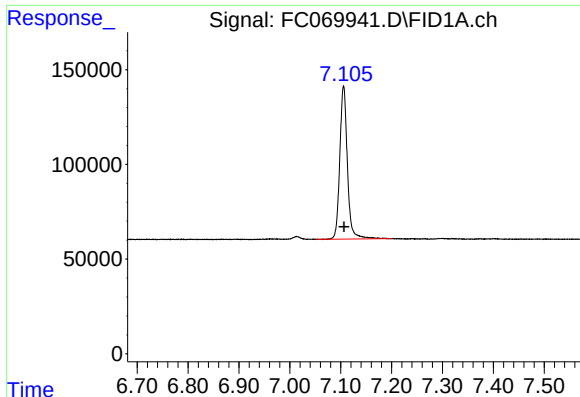
#3 A~Naphthalene (C11.7)

R.T.: 6.048 min
Delta R.T.: 0.000 min
Response: 858039
Conc: 5.65 ug/ml



#4 n-Dodecane (C12)

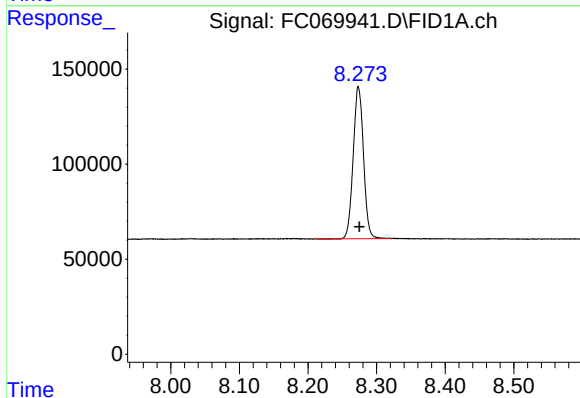
R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 814407
Conc: 5.68 ug/ml



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

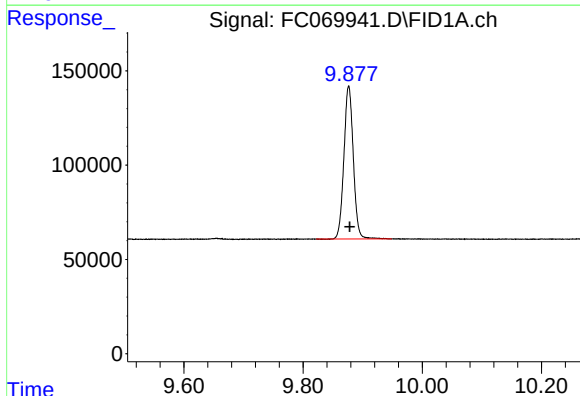
R.T.: 7.106 min
Delta R.T.: 0.000 min
Response: 839181
Conc: 5.61 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



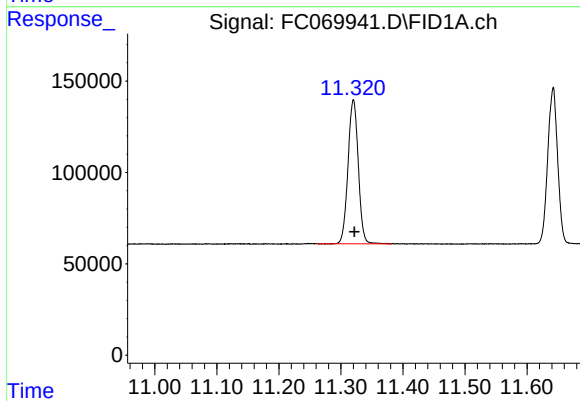
#6 n-Tetradecane (C14)

R.T.: 8.274 min
Delta R.T.: -0.001 min
Response: 834987
Conc: 5.63 ug/ml



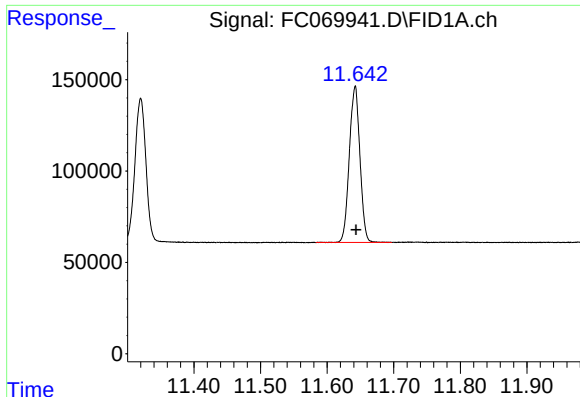
#7 n-Hexadecane (C16)

R.T.: 9.877 min
Delta R.T.: -0.002 min
Response: 890828
Conc: 5.68 ug/ml



#8 n-Octadecane (C18)

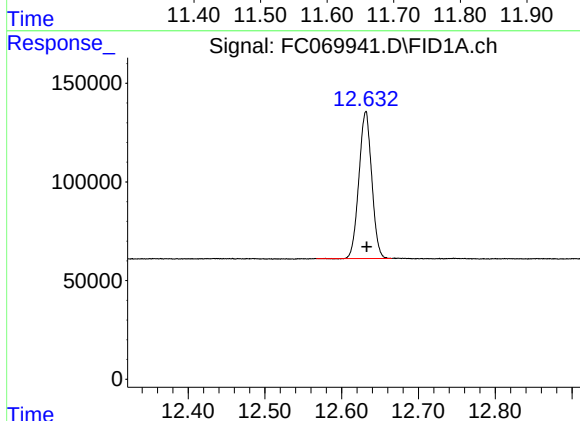
R.T.: 11.320 min
Delta R.T.: -0.002 min
Response: 907348
Conc: 5.74 ug/ml



#9 ortho-Terphenyl (SURR)

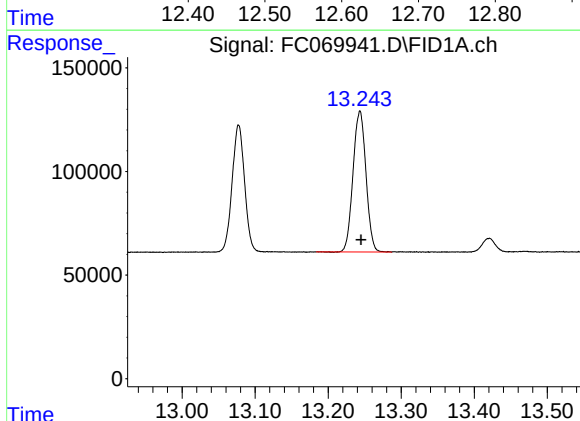
R.T.: 11.642 min
Delta R.T.: -0.002 min
Response: 945317
Conc: 5.85 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



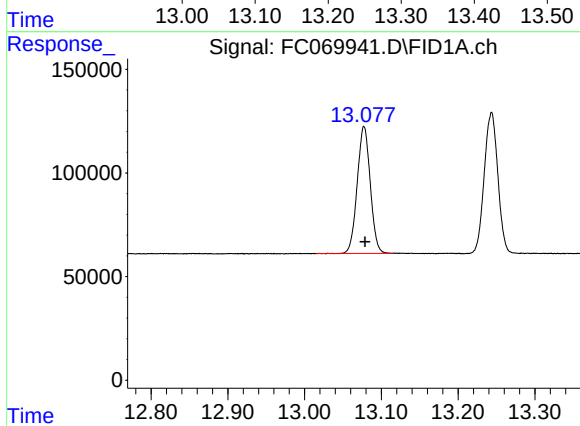
#10 n-Eicosane (C20)

R.T.: 12.631 min
Delta R.T.: -0.001 min
Response: 864853
Conc: 5.85 ug/ml



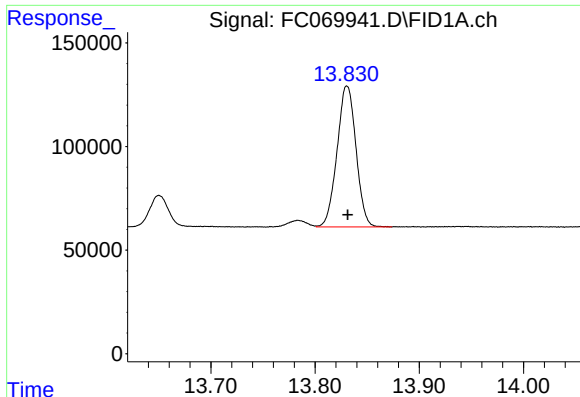
#11 n-Heneicosane (C21)

R.T.: 13.243 min
Delta R.T.: -0.002 min
Response: 838040
Conc: 5.87 ug/ml



#12 1-chlorooctadecane (SURR)

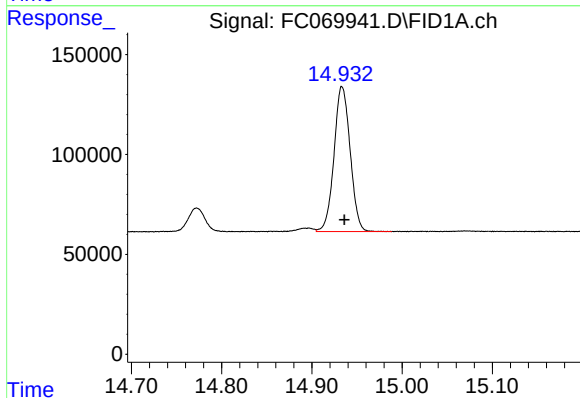
R.T.: 13.077 min
Delta R.T.: -0.002 min
Response: 725060
Conc: 5.80 ug/ml



#13 n-Docosane (C22)

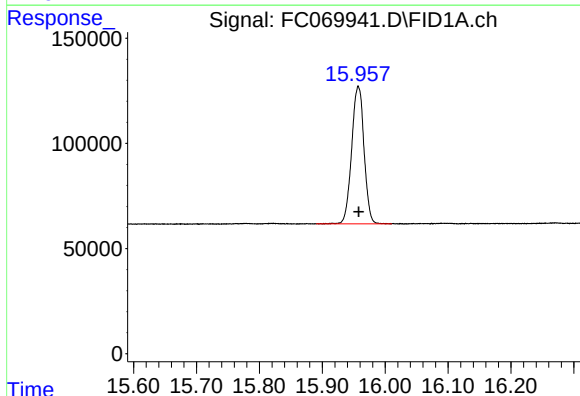
R.T.: 13.831 min
Delta R.T.: 0.000 min
Response: 859000
Conc: 6.16 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



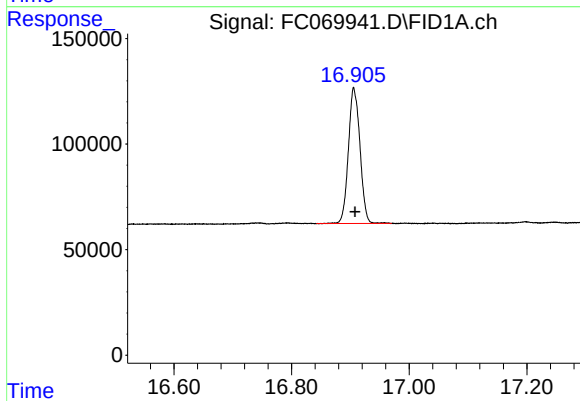
#14 n-Tetracosane (C24)

R.T.: 14.934 min
Delta R.T.: -0.003 min
Response: 901906
Conc: 6.77 ug/ml



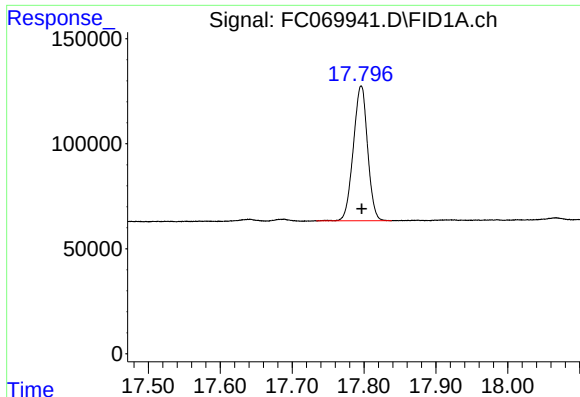
#15 n-Hexacosane (C26)

R.T.: 15.957 min
Delta R.T.: 0.000 min
Response: 890282
Conc: 7.09 ug/ml



#16 n-Octacosane (C28)

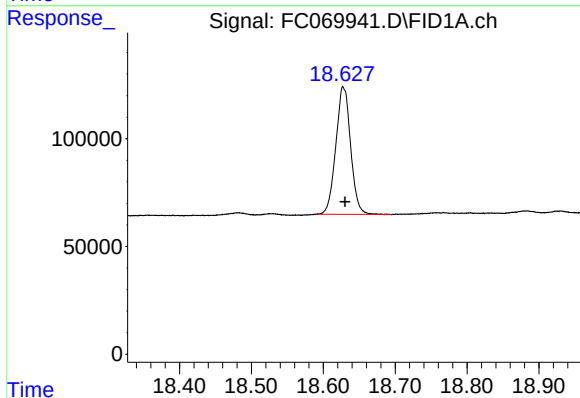
R.T.: 16.906 min
Delta R.T.: -0.002 min
Response: 879183
Conc: 7.45 ug/ml



#17 n-Tricontane (C30)

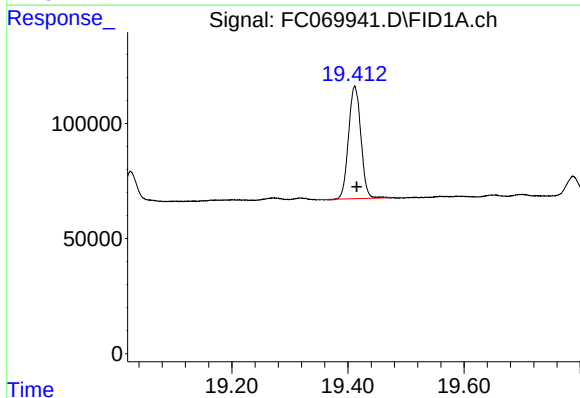
R.T.: 17.796 min
Delta R.T.: -0.001 min
Response: 882722
Conc: 7.66 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



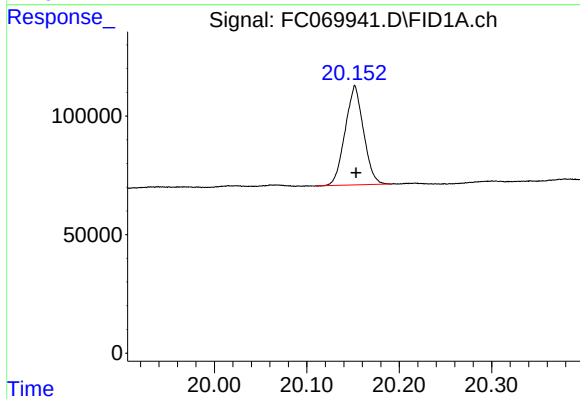
#18 n-Dotriacontane (C32)

R.T.: 18.628 min
Delta R.T.: -0.002 min
Response: 847118
Conc: 7.85 ug/ml



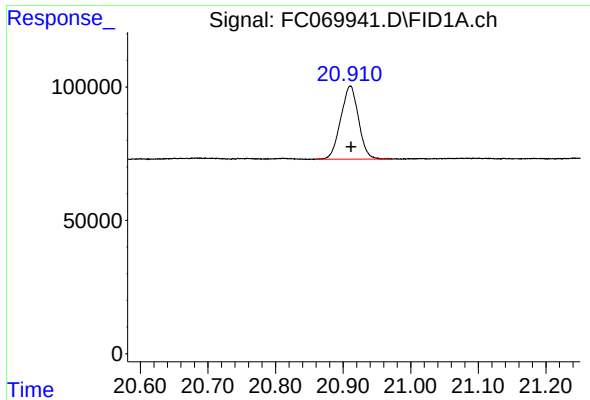
#19 n-Tetratriacontane (C34)

R.T.: 19.412 min
Delta R.T.: -0.003 min
Response: 720186
Conc: 7.36 ug/ml



#20 n-Hexatriacontane (C36)

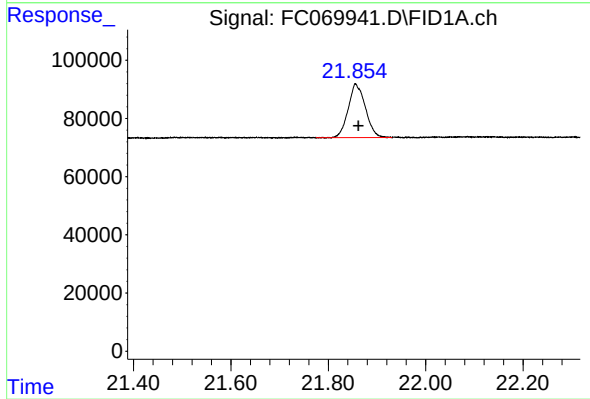
R.T.: 20.152 min
Delta R.T.: -0.001 min
Response: 578690
Conc: 6.75 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.910 min
Delta R.T.: -0.001 min
Response: 500729
Conc: 6.39 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.856 min
Delta R.T.: -0.005 min
Response: 450964
Conc: 6.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069941.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 19:19
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.384	3.360	3.432	BB	87399	738481	78.12%	4.211%
2	4.455	4.427	4.503	BB	85389	768097	81.25%	4.380%
3	6.048	6.018	6.123	BB	89131	858039	90.77%	4.893%
4	6.477	6.438	6.530	BB	82846	814407	86.15%	4.644%
5	7.106	7.052	7.200	BB	80824	839181	88.77%	4.786%
6	8.274	8.212	8.322	BB	79816	834987	88.33%	4.762%
7	9.877	9.822	9.948	BB	81191	890828	94.24%	5.080%
8	11.320	11.260	11.382	BB	78919	907348	95.98%	5.174%
9	11.642	11.583	11.697	BB	85468	945317	100.00%	5.391%
10	12.631	12.567	12.665	BB	74880	864853	91.49%	4.932%
11	13.077	13.015	13.113	BB	61432	725060	76.70%	4.135%
12	13.243	13.183	13.287	BB	68289	838040	88.65%	4.779%
13	13.831	13.801	13.873	VB	68032	859000	90.87%	4.899%
14	14.934	14.905	14.988	VB	72431	901906	95.41%	5.143%
15	15.957	15.890	16.010	BB	65508	890282	94.18%	5.077%
16	16.906	16.842	16.970	BB	63384	879183	93.00%	5.014%
17	17.796	17.733	17.838	BB	64281	882722	93.38%	5.034%
18	18.628	18.590	18.695	BB	58574	847118	89.61%	4.831%
19	19.412	19.345	19.475	BB	48804	720186	76.18%	4.107%
20	20.152	20.110	20.192	BV	41987	578690	61.22%	3.300%
21	20.910	20.860	20.972	BB	27441	500729	52.97%	2.856%
22	21.856	21.775	21.930	BB	18425	450964	47.71%	2.572%
Sum of corrected areas:							17535417	

Aliphatic EPH 100725.M Tue Oct 07 09:57:59 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069942.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 20:02
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Oct 07 09:37:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 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)	11.643	3426826	19.515 ug/ml
Spiked Amount 50.000		Recovery =	39.03%
12) S 1-chlorooctadecane (S...	13.078	2637598	19.431 ug/ml
Spiked Amount 50.000		Recovery =	38.86%
Target Compounds			
1) T n-Nonane (C9)	3.384	2690163	19.591 ug/ml
2) T n-Decane (C10)	4.455	2807684	19.530 ug/ml
3) T A~Naphthalene (C11.7)	6.048	3180233	19.678 ug/ml
4) T n-Dodecane (C12)	6.477	2978686	19.433 ug/ml
5) T A~2-methylnaphthalene...	7.106	3136946	19.661 ug/ml
6) T n-Tetradecane (C14)	8.275	3069732	19.301 ug/ml
7) T n-Hexadecane (C16)	9.878	3247204	19.269 ug/ml
8) T n-Octadecane (C18)	11.322	3293110	19.356 ug/ml
10) T n-Eicosane (C20)	12.632	3100336	19.325 ug/ml
11) T n-Heneicosane (C21)	13.245	3008707	19.377 ug/ml
13) T n-Docosane (C22)	13.832	2942368	19.119 ug/ml
14) T n-Tetracosane (C24)	14.936	2823498	18.621 ug/ml
15) T n-Hexacosane (C26)	15.957	2666763	18.425 ug/ml
16) T n-Octacosane (C28)	16.908	2509230	18.143 ug/ml
17) T n-Tricontane (C30)	17.796	2433398	17.823 ug/ml
18) T n-Dotriacontane (C32)	18.630	2267655	17.588 ug/ml
19) T n-Tetratriacontane (C34)	19.413	2049192	17.960 ug/ml
20) T n-Hexatriacontane (C36)	20.154	1789545	18.504 ug/ml
21) T n-Octatriacontane (C38)	20.913	1635409	18.764 ug/ml
22) T n-Tetracontane (C40)	21.863	1551501	18.883 ug/ml

(f)=RT Delta > 1/2 Window

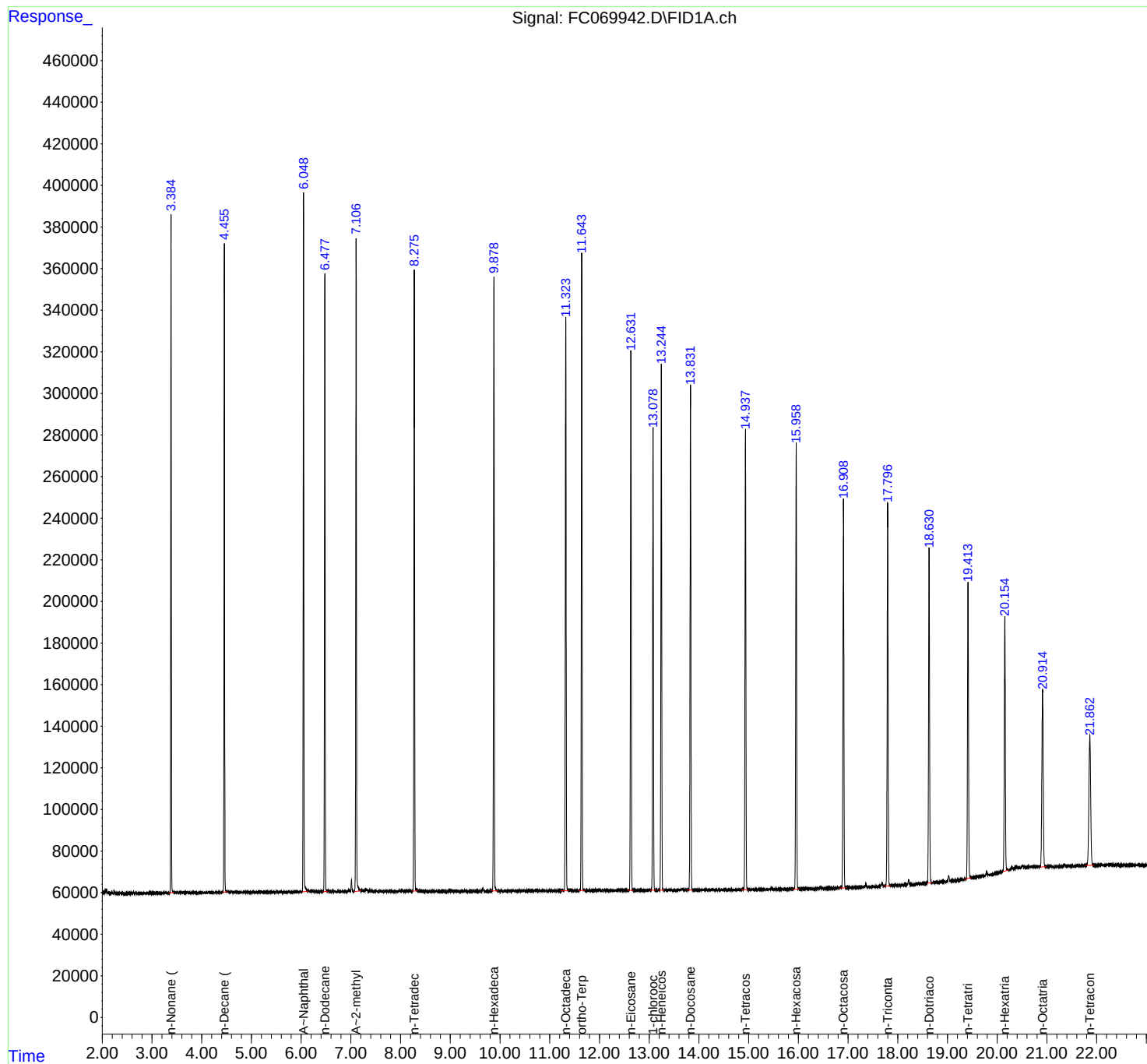
(m)=manual int.

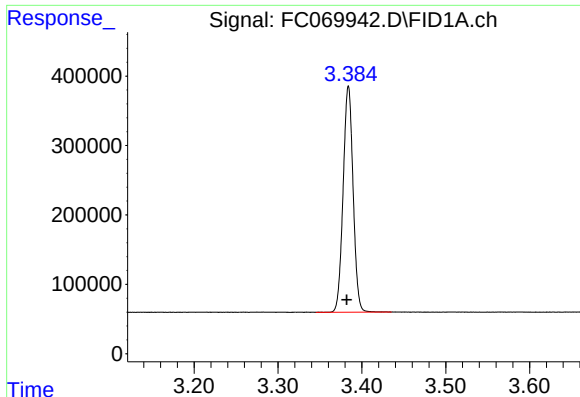
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069942.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 20:02
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 07 09:37:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 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)

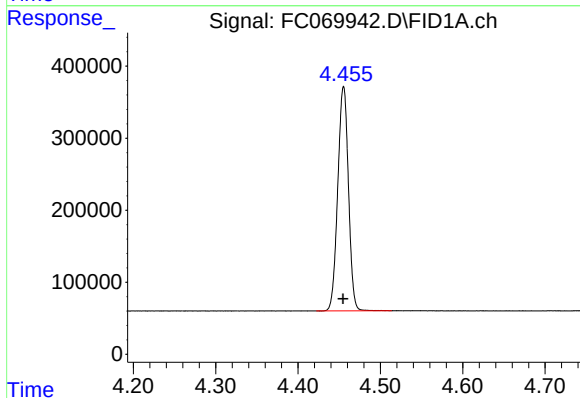
R.T.: 3.384 min
Delta R.T.: 0.002 min
Response: 2690163
Conc: 19.59 ug/ml

Instrument :

FID_C

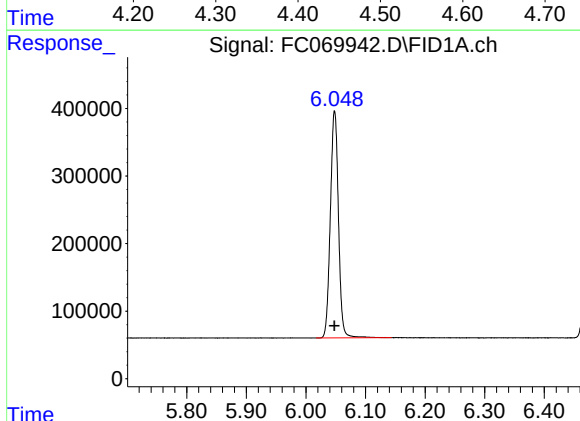
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



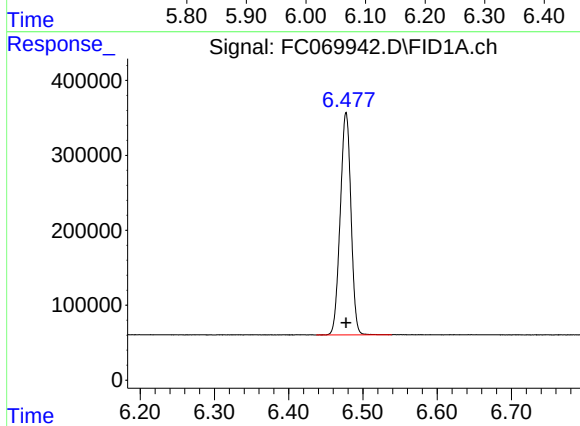
#2 n-Decane (C10)

R.T.: 4.455 min
Delta R.T.: 0.000 min
Response: 2807684
Conc: 19.53 ug/ml



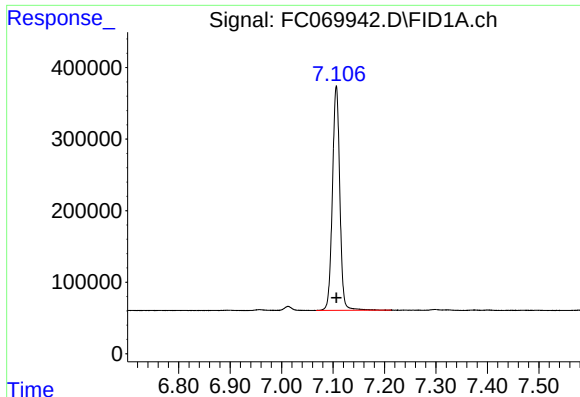
#3 A~Naphthalene (C11.7)

R.T.: 6.048 min
Delta R.T.: 0.000 min
Response: 3180233
Conc: 19.68 ug/ml



#4 n-Dodecane (C12)

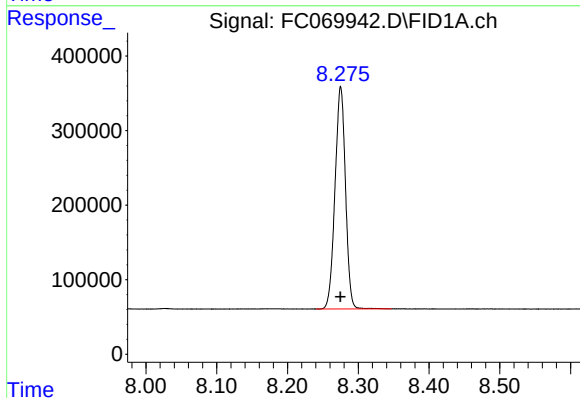
R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 2978686
Conc: 19.43 ug/ml



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

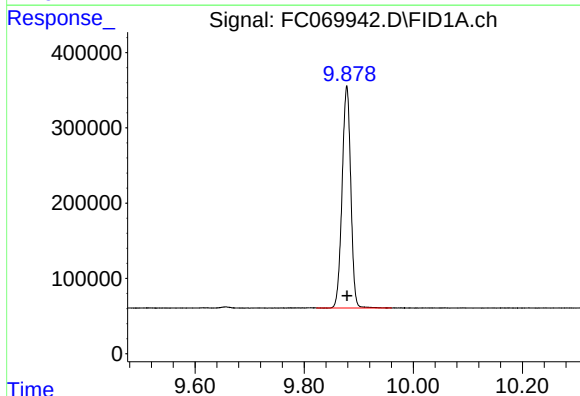
R.T.: 7.106 min
Delta R.T.: 0.000 min
Response: 3136946
Conc: 19.66 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



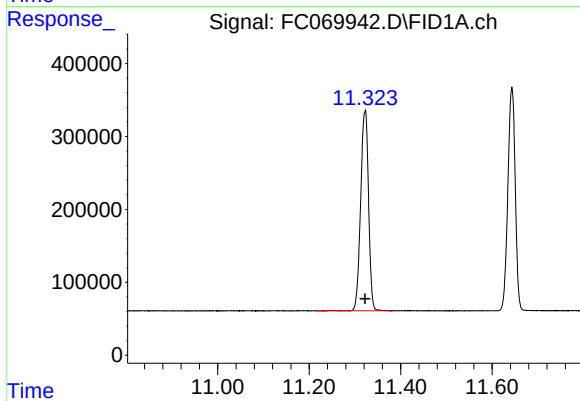
#6 n-Tetradecane (C14)

R.T.: 8.275 min
Delta R.T.: 0.000 min
Response: 3069732
Conc: 19.30 ug/ml



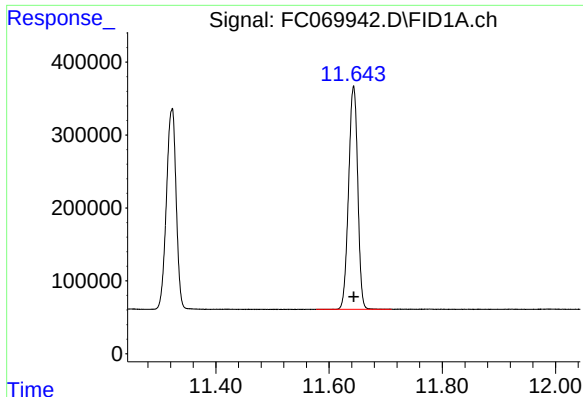
#7 n-Hexadecane (C16)

R.T.: 9.878 min
Delta R.T.: 0.000 min
Response: 3247204
Conc: 19.27 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.322 min
Delta R.T.: 0.000 min
Response: 3293110
Conc: 19.36 ug/ml



#9 ortho-Terphenyl (SURR)

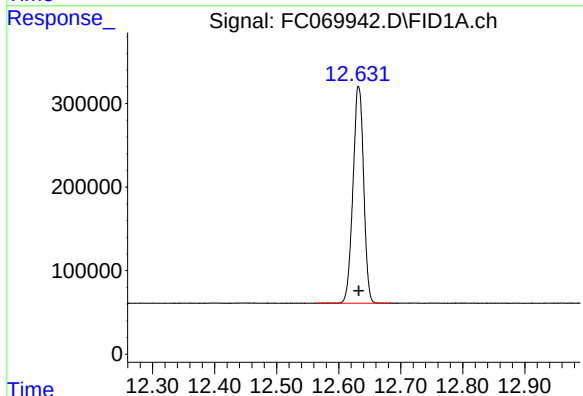
R.T.: 11.643 min
Delta R.T.: 0.000 min
Response: 3426826
Conc: 19.51 ug/ml

Instrument :

FID_C

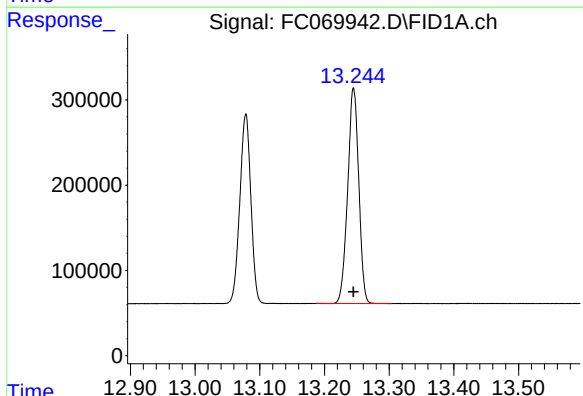
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



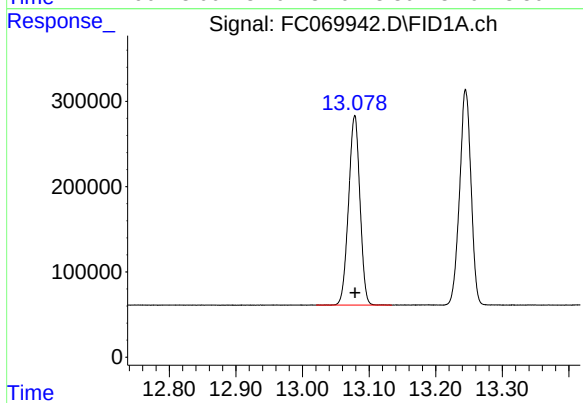
#10 n-Eicosane (C20)

R.T.: 12.632 min
Delta R.T.: 0.000 min
Response: 3100336
Conc: 19.32 ug/ml



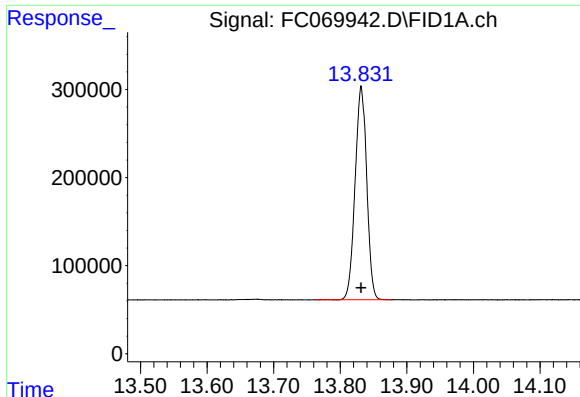
#11 n-Heneicosane (C21)

R.T.: 13.245 min
Delta R.T.: 0.000 min
Response: 3008707
Conc: 19.38 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.078 min
Delta R.T.: 0.000 min
Response: 2637598
Conc: 19.43 ug/ml



#13 n-Docosane (C22)

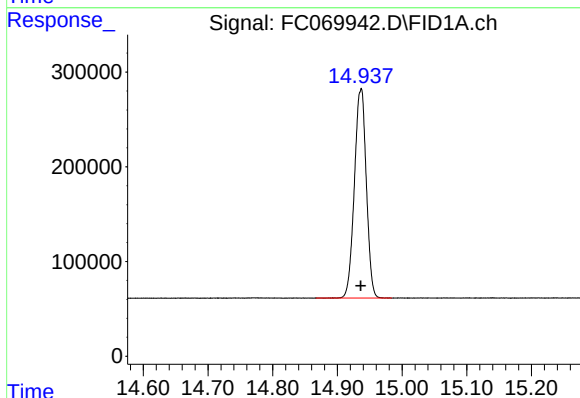
R.T.: 13.832 min
Delta R.T.: 0.000 min
Response: 2942368
Conc: 19.12 ug/ml

Instrument :

FID_C

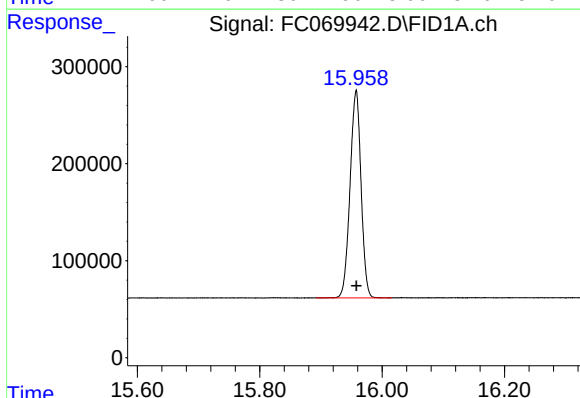
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



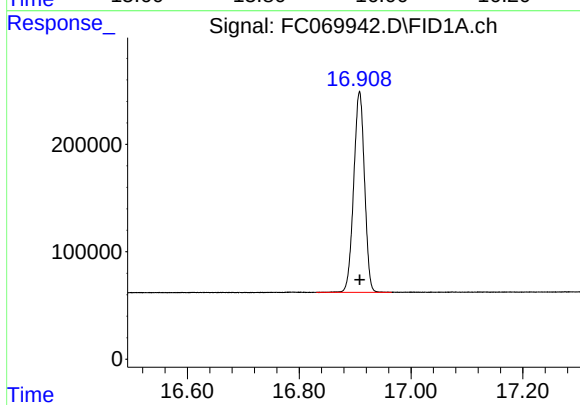
#14 n-Tetracosane (C24)

R.T.: 14.936 min
Delta R.T.: 0.000 min
Response: 2823498
Conc: 18.62 ug/ml



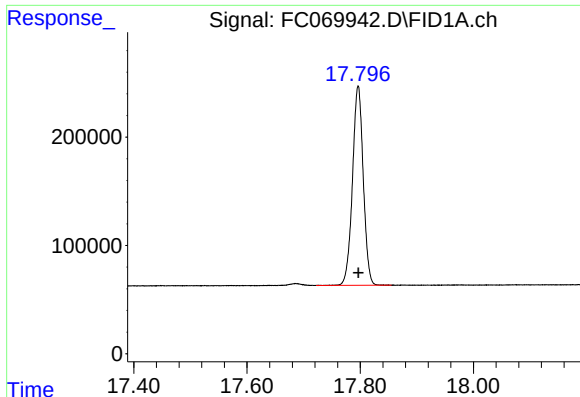
#15 n-Hexacosane (C26)

R.T.: 15.957 min
Delta R.T.: 0.000 min
Response: 2666763
Conc: 18.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.908 min
Delta R.T.: 0.000 min
Response: 2509230
Conc: 18.14 ug/ml



#17 n-Tricontane (C30)

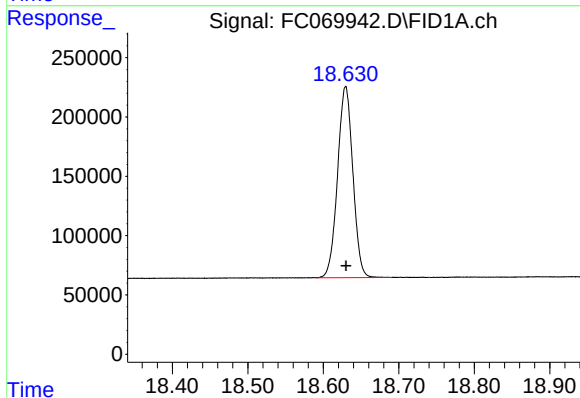
R.T.: 17.796 min
Delta R.T.: 0.000 min
Response: 2433398
Conc: 17.82 ug/ml

Instrument :

FID_C

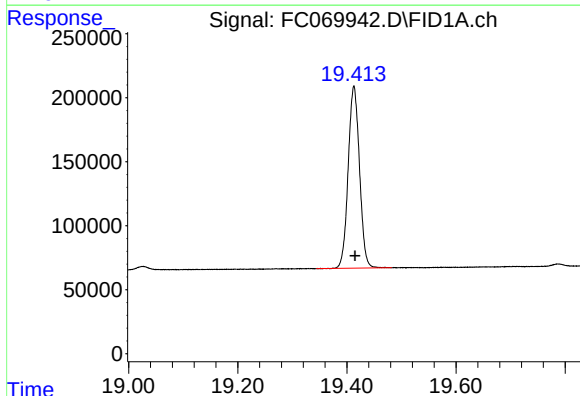
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



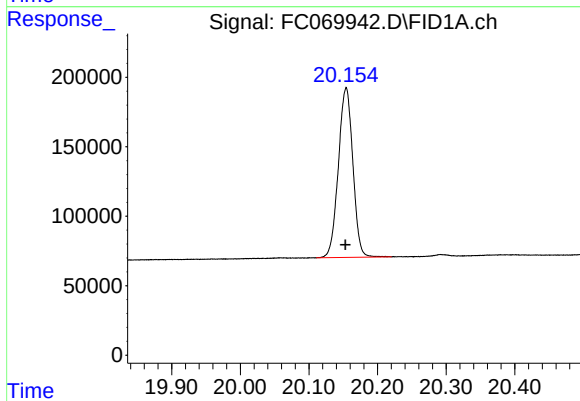
#18 n-Dotriacontane (C32)

R.T.: 18.630 min
Delta R.T.: 0.000 min
Response: 2267655
Conc: 17.59 ug/ml



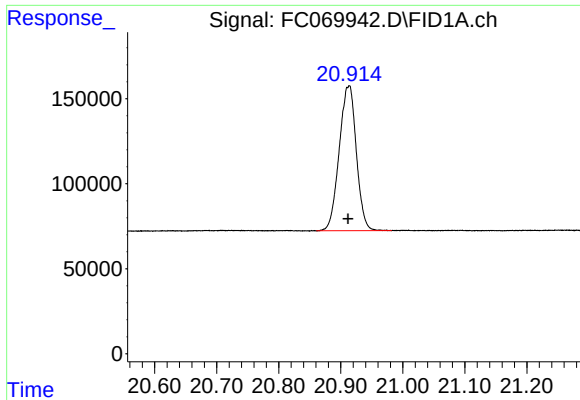
#19 n-Tetratriacontane (C34)

R.T.: 19.413 min
Delta R.T.: -0.002 min
Response: 2049192
Conc: 17.96 ug/ml



#20 n-Hexatriacontane (C36)

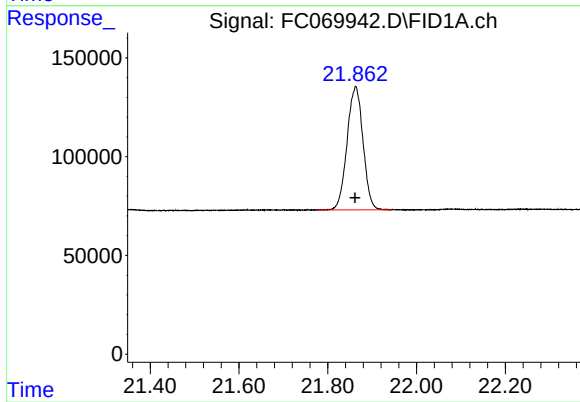
R.T.: 20.154 min
Delta R.T.: 0.000 min
Response: 1789545
Conc: 18.50 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.913 min
Delta R.T.: 0.001 min
Response: 1635409
Conc: 18.76 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.863 min
Delta R.T.: 0.001 min
Response: 1551501
Conc: 18.88 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069942.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 20:02
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.384	3.345	3.435	BB	326047	2690163	78.50%	4.541%
2	4.455	4.422	4.514	BB	312168	2807684	81.93%	4.739%
3	6.048	6.017	6.144	BB	335724	3180233	92.80%	5.368%
4	6.477	6.437	6.539	BB	296904	2978686	86.92%	5.028%
5	7.106	7.067	7.214	BB	314883	3136946	91.54%	5.295%
6	8.275	8.240	8.347	BB	298279	3069732	89.58%	5.181%
7	9.878	9.822	9.960	BB	295818	3247204	94.76%	5.481%
8	11.322	11.215	11.380	BB	274076	3293110	96.10%	5.558%
9	11.643	11.577	11.710	BB	306886	3426826	100.00%	5.784%
10	12.632	12.564	12.685	BB	259116	3100336	90.47%	5.233%
11	13.078	13.020	13.134	BB	222898	2637598	76.97%	4.452%
12	13.245	13.187	13.304	BB	252002	3008707	87.80%	5.078%
13	13.832	13.764	13.877	BB	241087	2942368	85.86%	4.966%
14	14.936	14.867	14.984	BB	219598	2823498	82.39%	4.766%
15	15.957	15.892	16.015	BB	213617	2666763	77.82%	4.501%
16	16.908	16.830	16.965	BB	186423	2509230	73.22%	4.235%
17	17.796	17.722	17.855	BB	184577	2433398	71.01%	4.107%
18	18.630	18.590	18.690	BB	161232	2267655	66.17%	3.828%
19	19.413	19.344	19.482	BB	142309	2049192	59.80%	3.459%
20	20.154	20.110	20.220	BB	121981	1789545	52.22%	3.021%
21	20.913	20.860	20.982	BB	84630	1635409	47.72%	2.760%
22	21.863	21.774	21.944	BB	62588	1551501	45.28%	2.619%
Sum of corrected areas:							59245785	

Aliphatic EPH 100725.M Tue Oct 07 09:58:19 2025

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

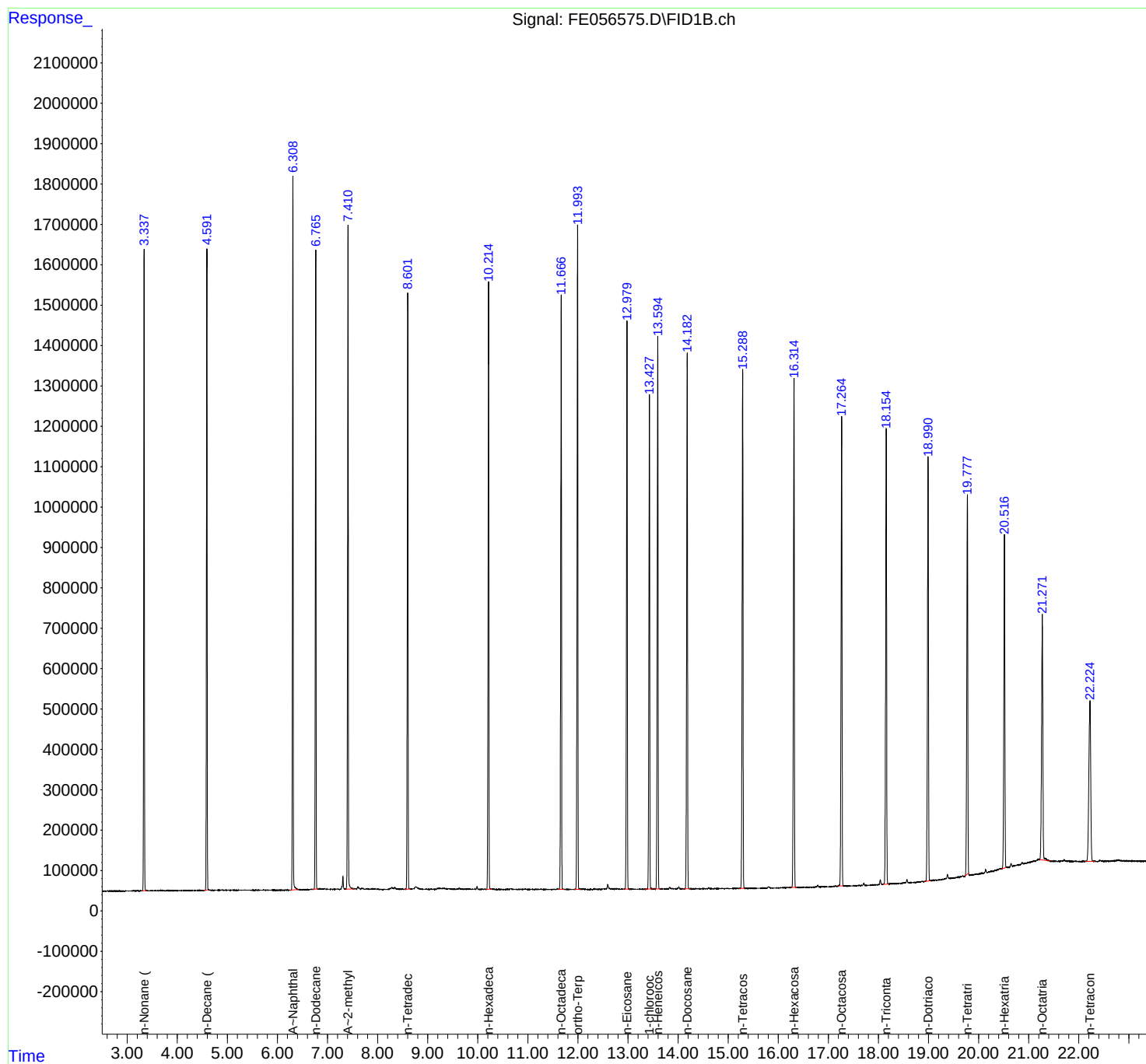
(m)=manual int.

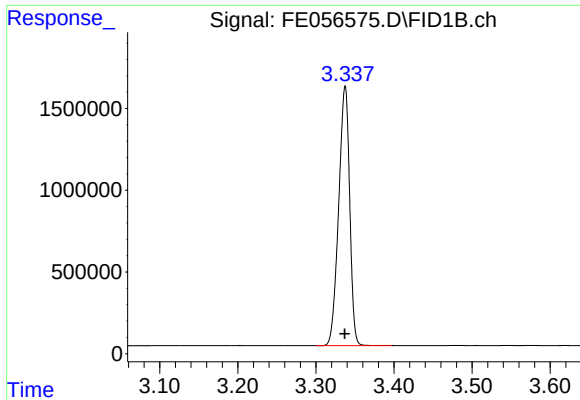
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056575.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 10:20
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

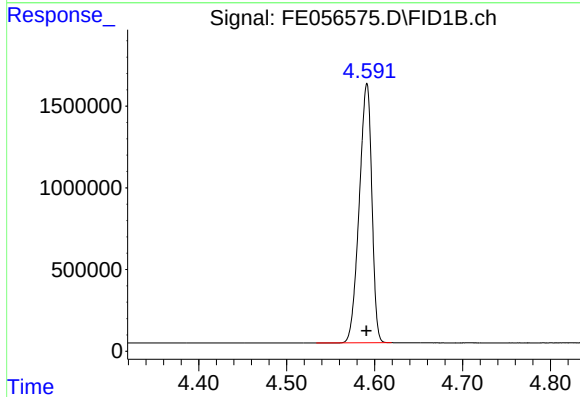




#1 n-Nonane (C9)

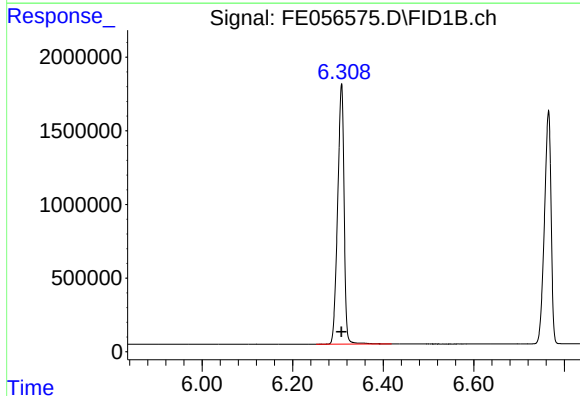
R.T.: 3.337 min
Delta R.T.: 0.000 min
Response: 15510371
Conc: 96.77 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



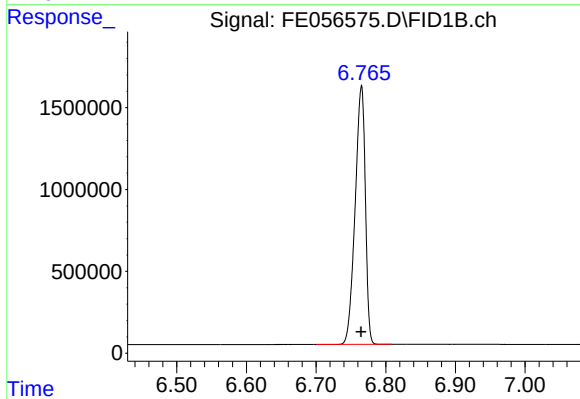
#2 n-Decane (C10)

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



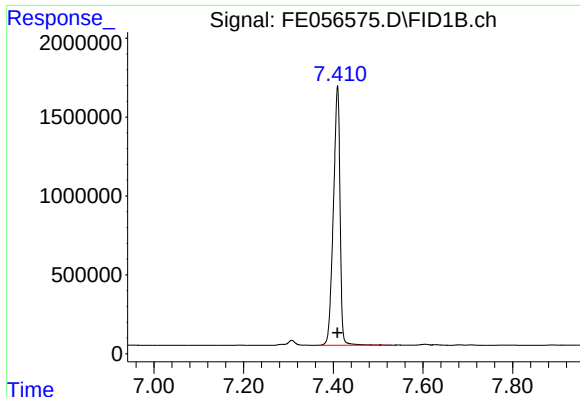
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

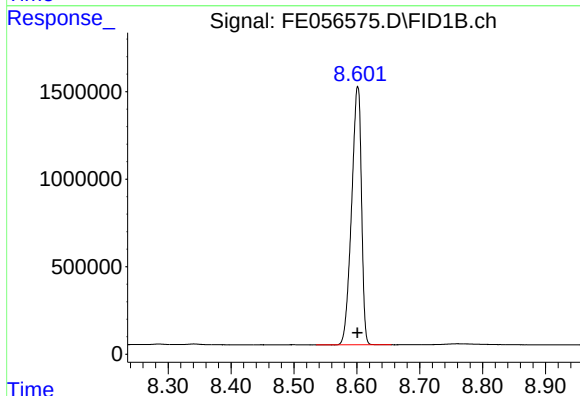
R.T.: 6.765 min
Delta R.T.: 0.000 min
Response: 16070610
Conc: 96.65 ug/ml



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

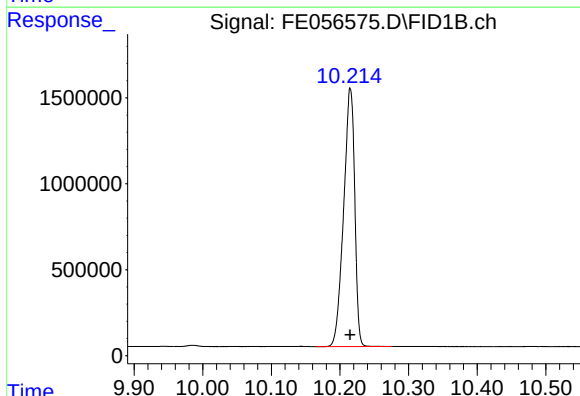
R.T.: 7.409 min
Delta R.T.: 0.000 min
Response: 16955970
Conc: 98.04 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



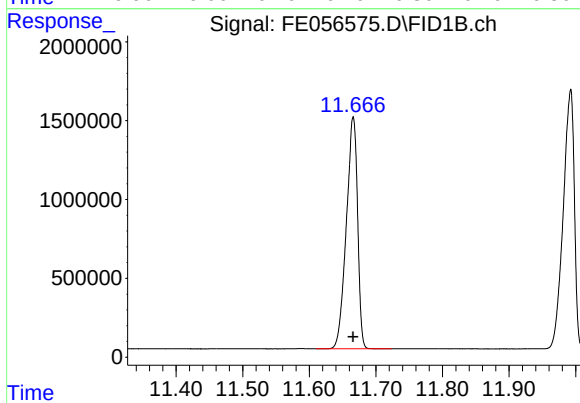
#6 n-Tetradecane (C14)

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



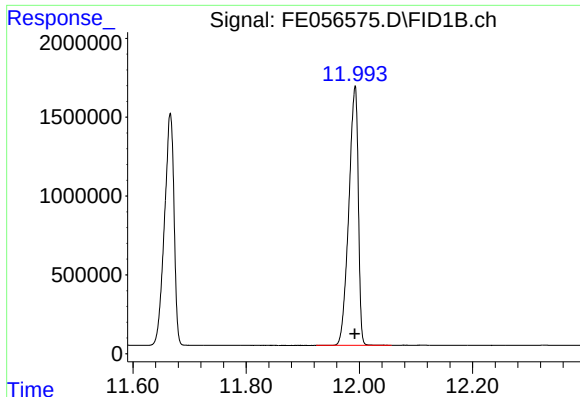
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

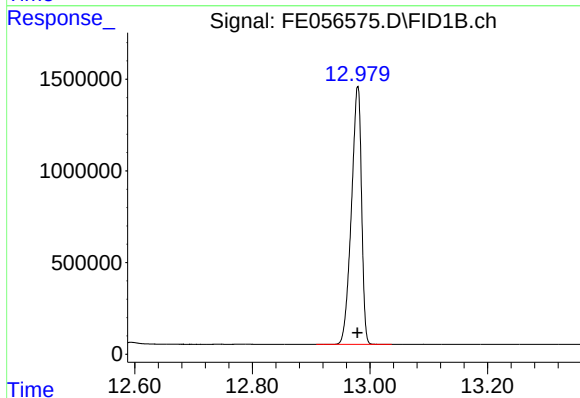
R.T.: 11.666 min
Delta R.T.: 0.000 min
Response: 17249418
Conc: 96.24 ug/ml



#9 ortho-Terphenyl (SURR)

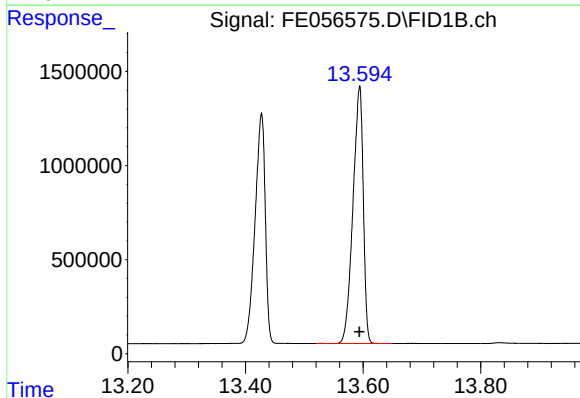
R.T.: 11.992 min
Delta R.T.: 0.000 min
Response: 19059851
Conc: 96.24 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



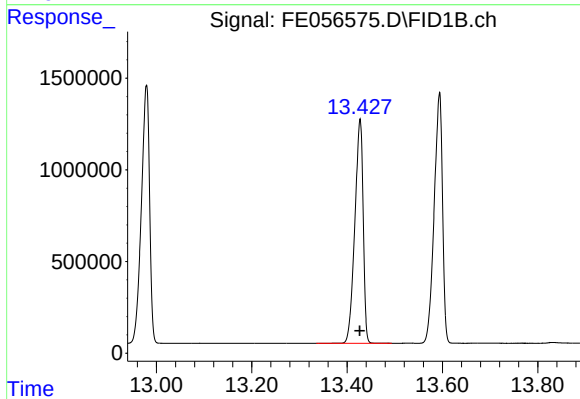
#10 n-Eicosane (C20)

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



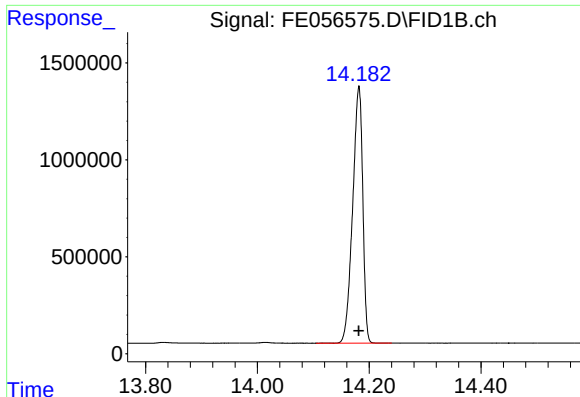
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

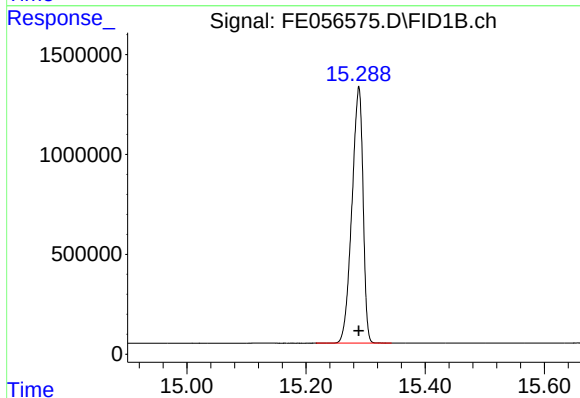
R.T.: 13.427 min
Delta R.T.: 0.000 min
Response: 14749289
Conc: 96.36 ug/ml



#13 n-Docosane (C22)

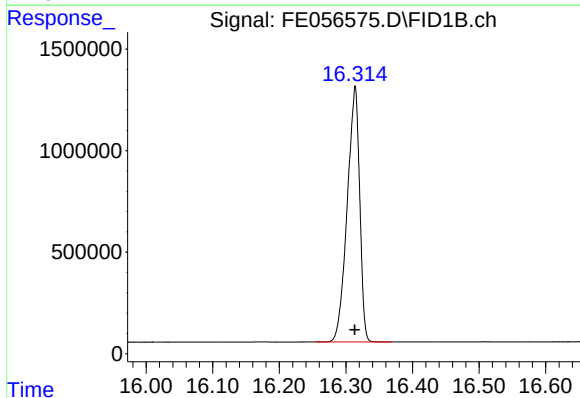
R.T.: 14.181 min
Delta R.T.: 0.000 min
Response: 16594646
Conc: 95.89 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



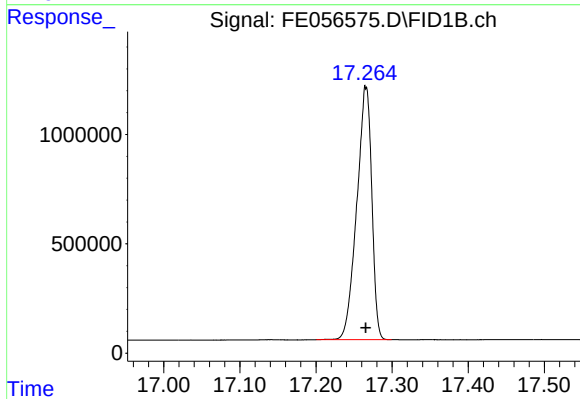
#14 n-Tetracosane (C24)

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



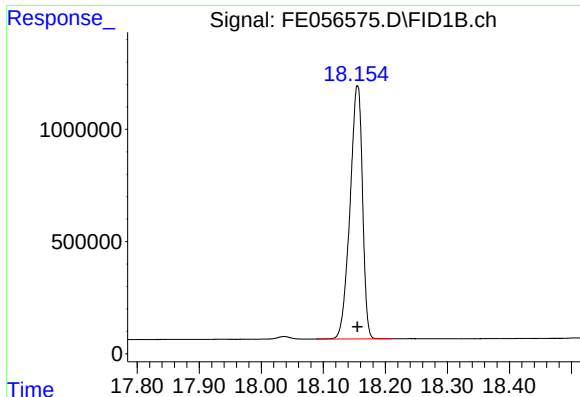
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

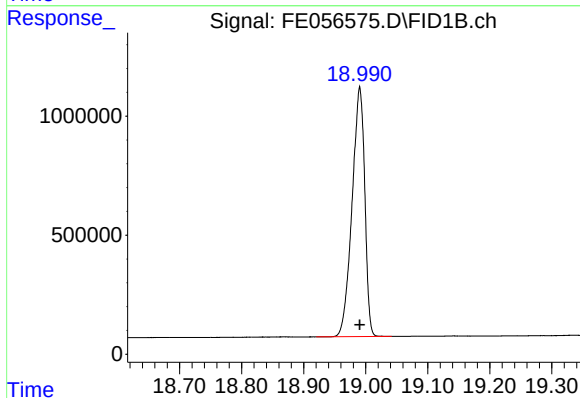
R.T.: 17.266 min
Delta R.T.: 0.000 min
Response: 15859780
Conc: 94.79 ug/ml



#17 n-Tricontane (C30)

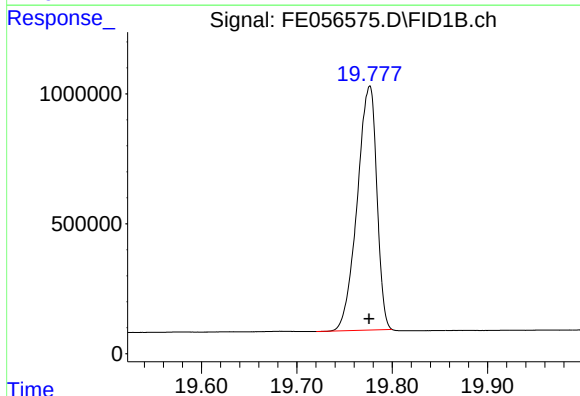
R.T.: 18.155 min
Delta R.T.: 0.000 min
Response: 15787066
Conc: 93.07 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



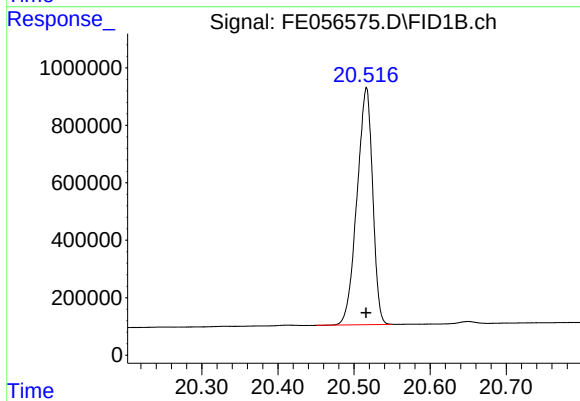
#18 n-Dotriacontane (C32)

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



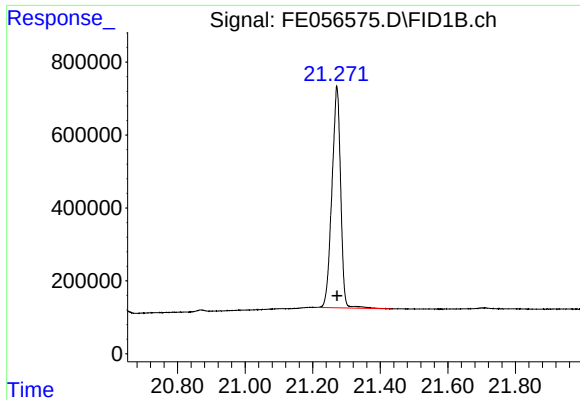
#19 n-Tetratriacontane (C34)

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)

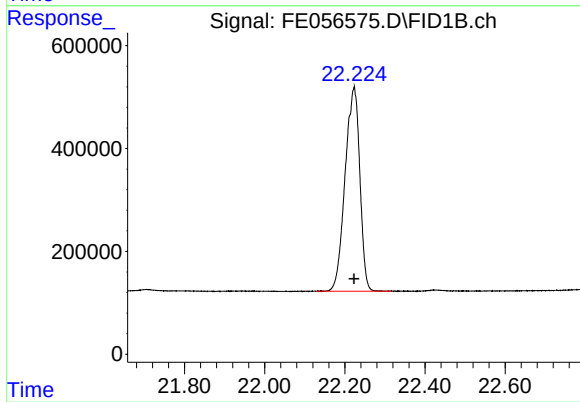
R.T.: 21.272 min
Delta R.T.: 0.000 min
Response: 10906555
Conc: 95.31 ug/ml

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

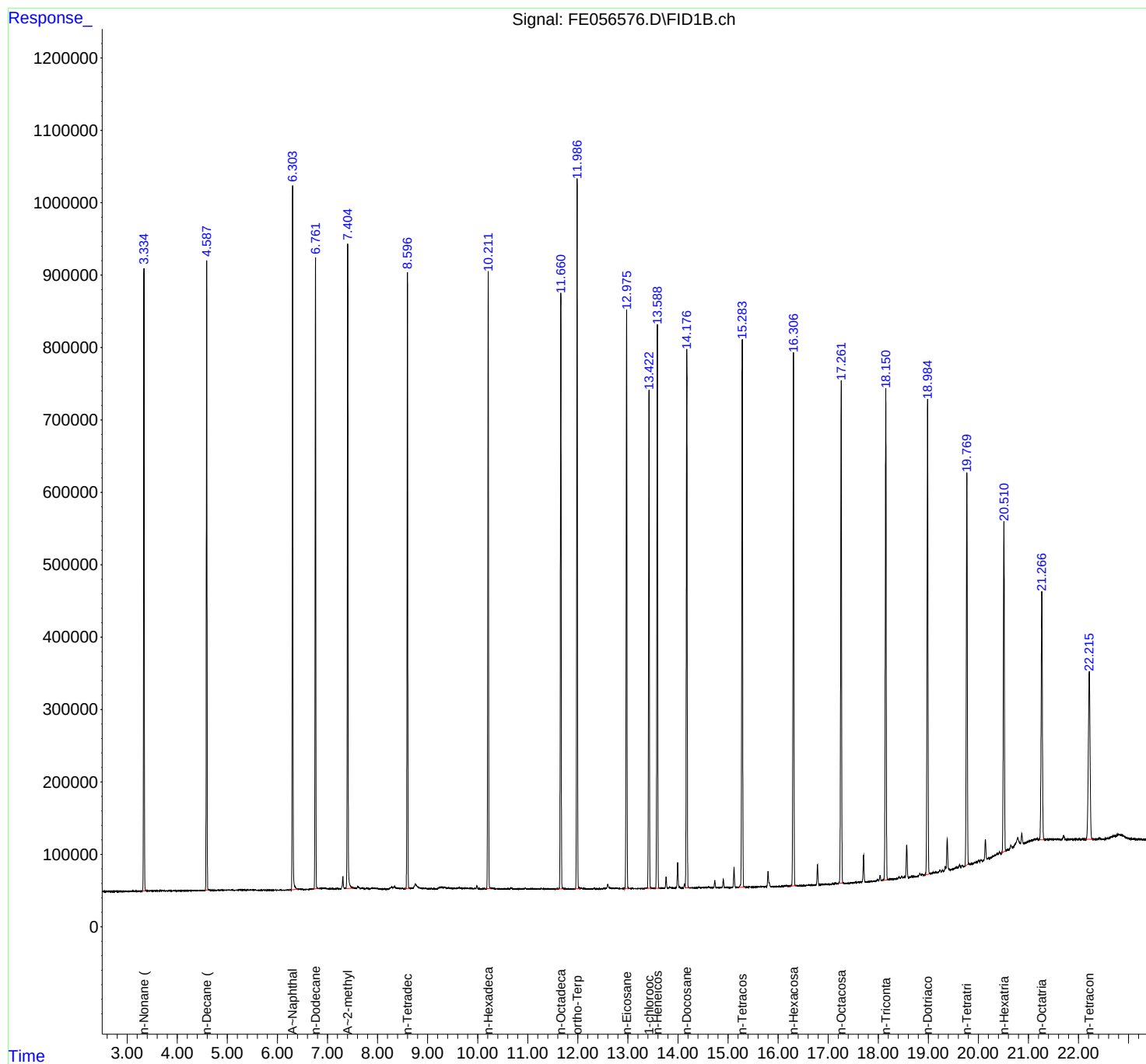
(m)=manual int.

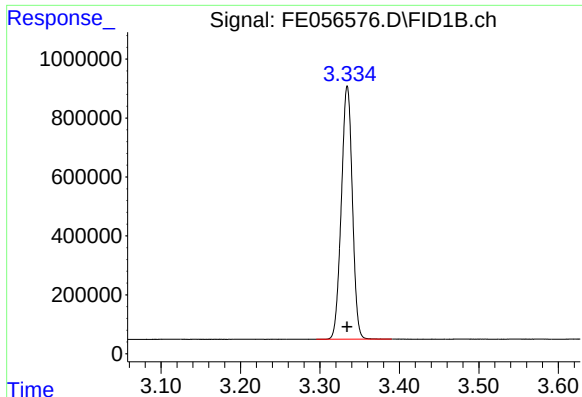
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056576.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 10:50
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

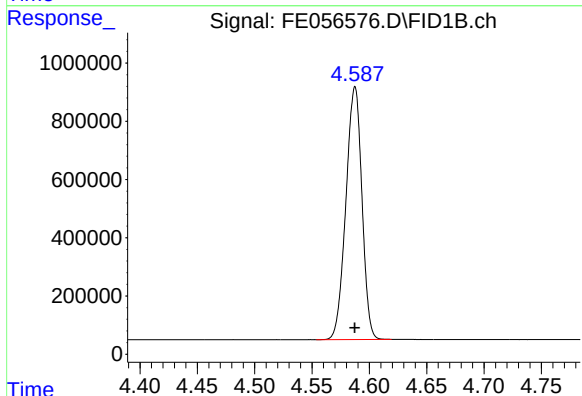




#1 n-Nonane (C9)

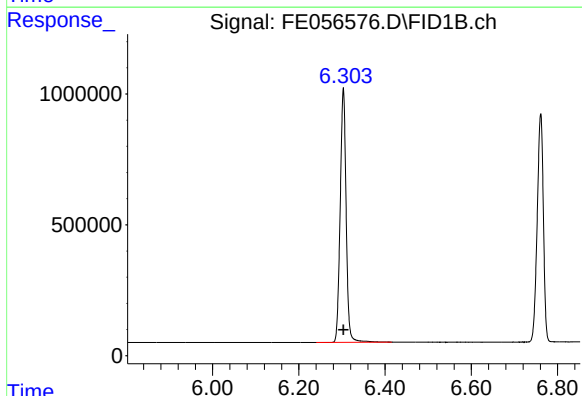
R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 8283699
Conc: 51.11 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



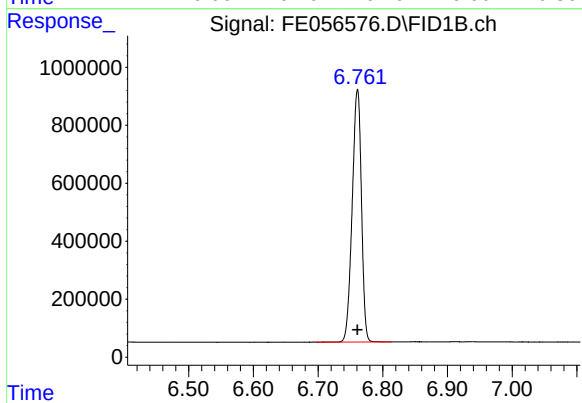
#2 n-Decane (C10)

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



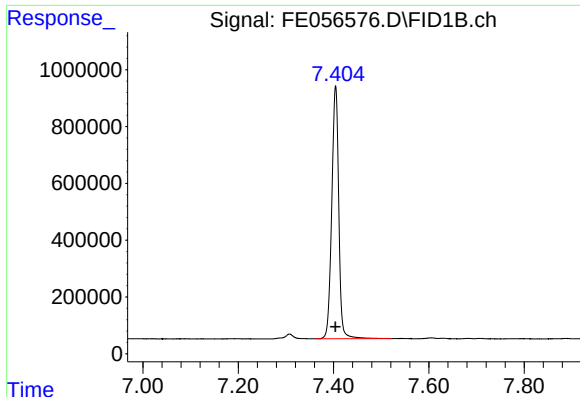
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

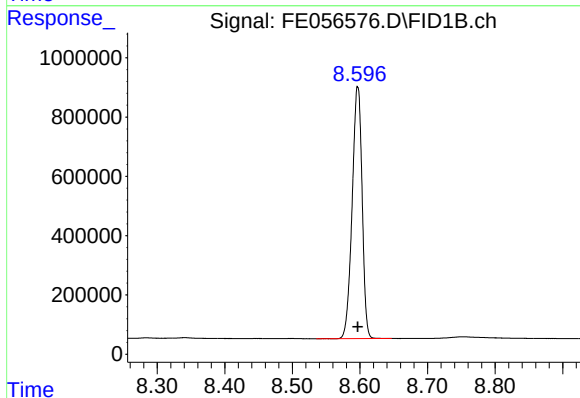
R.T.: 6.761 min
Delta R.T.: 0.000 min
Response: 8630420
Conc: 51.25 ug/ml



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

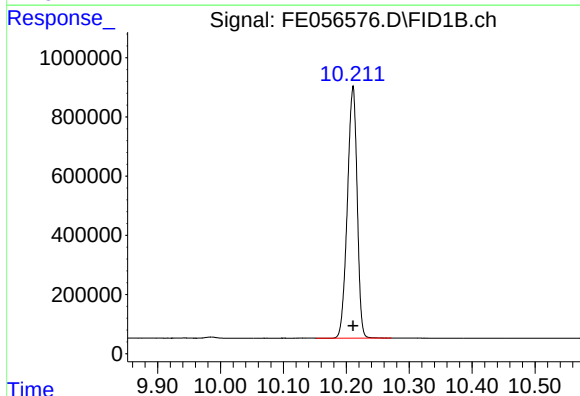
R.T.: 7.404 min
Delta R.T.: 0.000 min
Response: 9018328
Conc: 51.41 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



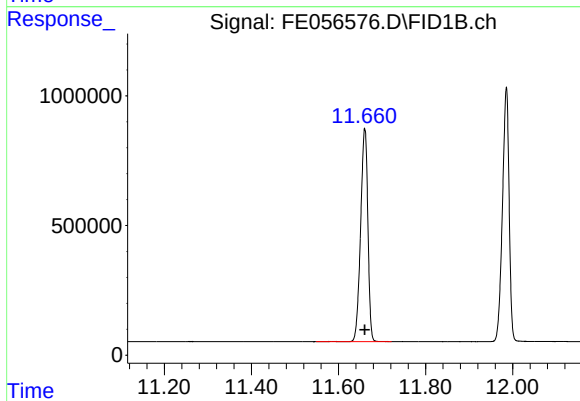
#6 n-Tetradecane (C14)

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



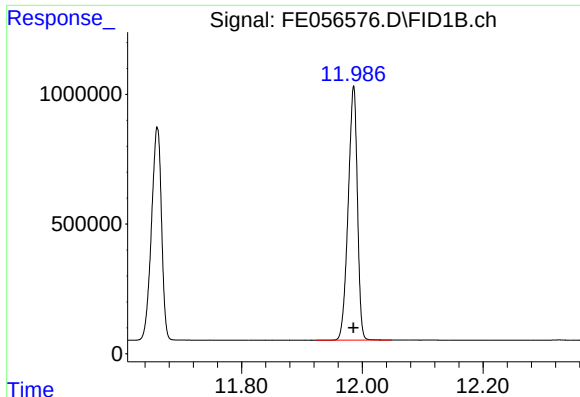
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

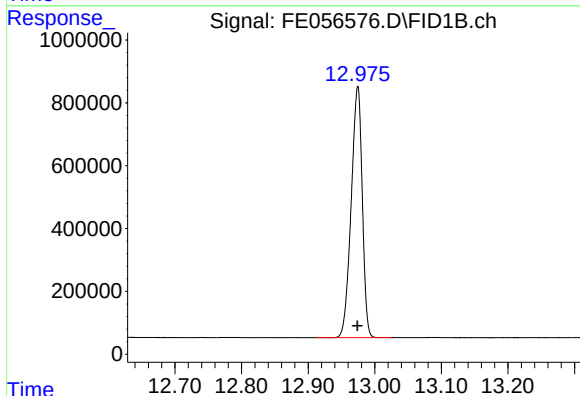
R.T.: 11.660 min
Delta R.T.: 0.000 min
Response: 9466424
Conc: 51.84 ug/ml



#9 ortho-Terphenyl (SURR)

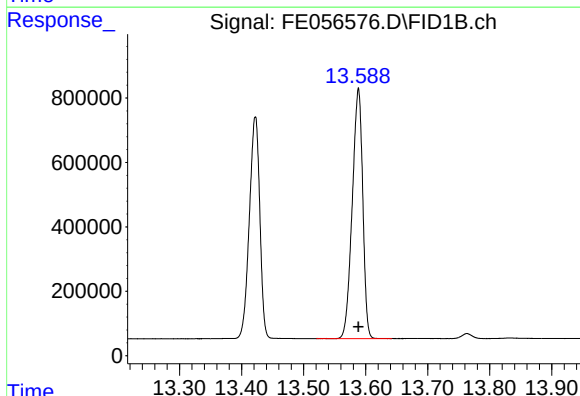
R.T.: 11.985 min
Delta R.T.: 0.000 min
Response: 10390390
Conc: 51.61 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



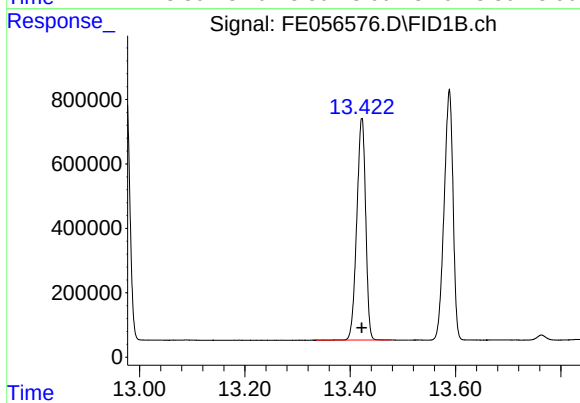
#10 n-Eicosane (C20)

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



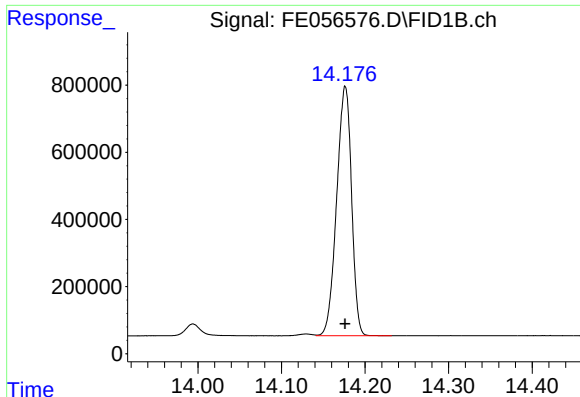
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

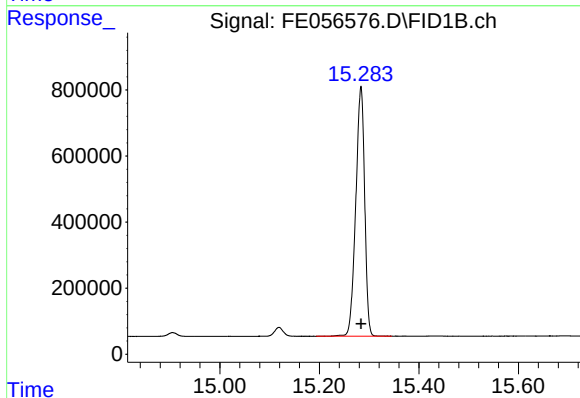
R.T.: 13.422 min
Delta R.T.: 0.000 min
Response: 8069798
Conc: 51.78 ug/ml



#13 n-Docosane (C22)

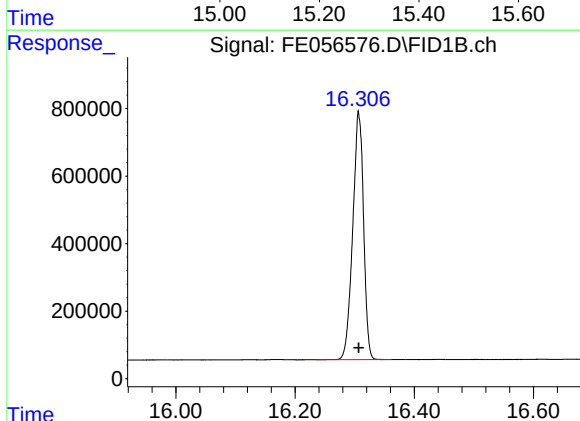
R.T.: 14.176 min
Delta R.T.: 0.000 min
Response: 9188407
Conc: 52.02 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



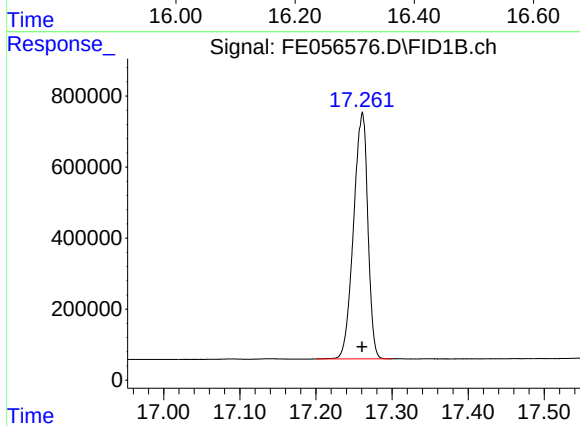
#14 n-Tetracosane (C24)

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



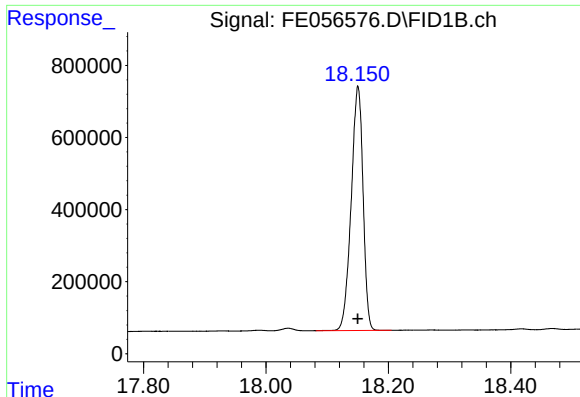
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

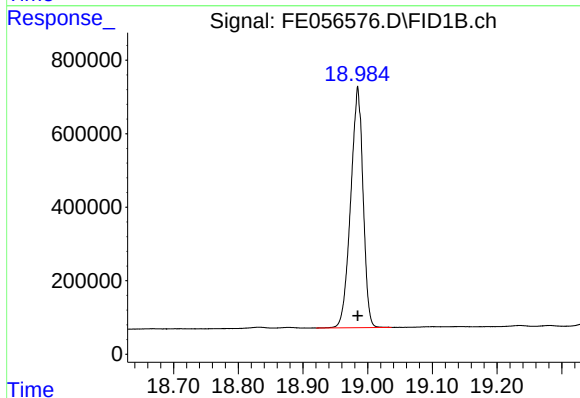
R.T.: 17.261 min
Delta R.T.: 0.000 min
Response: 9040985
Conc: 52.62 ug/ml



#17 n-Tricontane (C30)

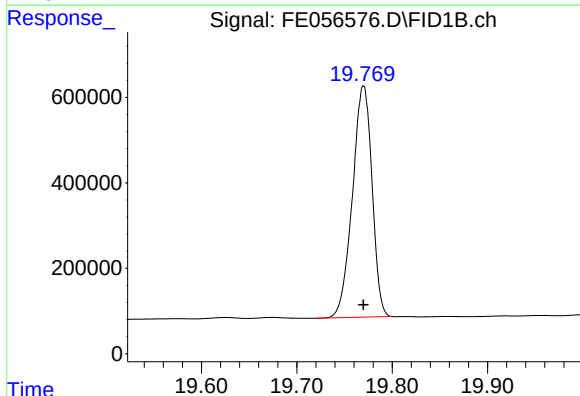
R.T.: 18.150 min
Delta R.T.: 0.000 min
Response: 9116641
Conc: 52.43 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



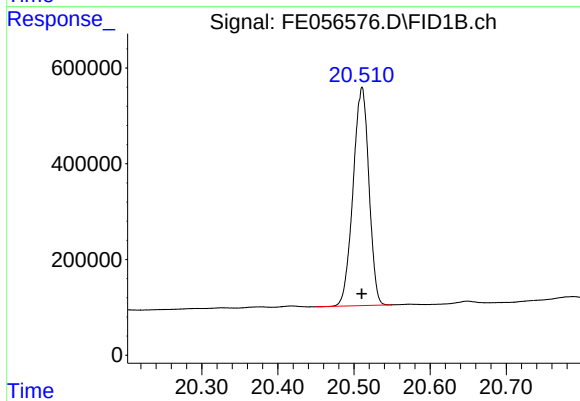
#18 n-Dotriacontane (C32)

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



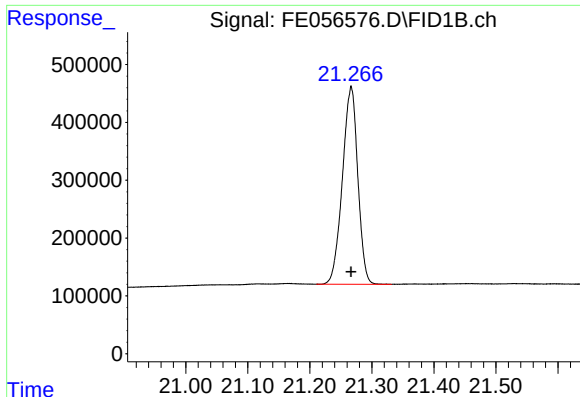
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

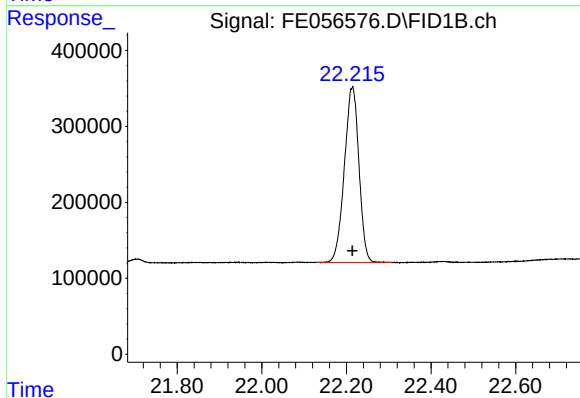
R.T.: 20.510 min
Delta R.T.: 0.000 min
Response: 6593672
Conc: 51.17 ug/ml



#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

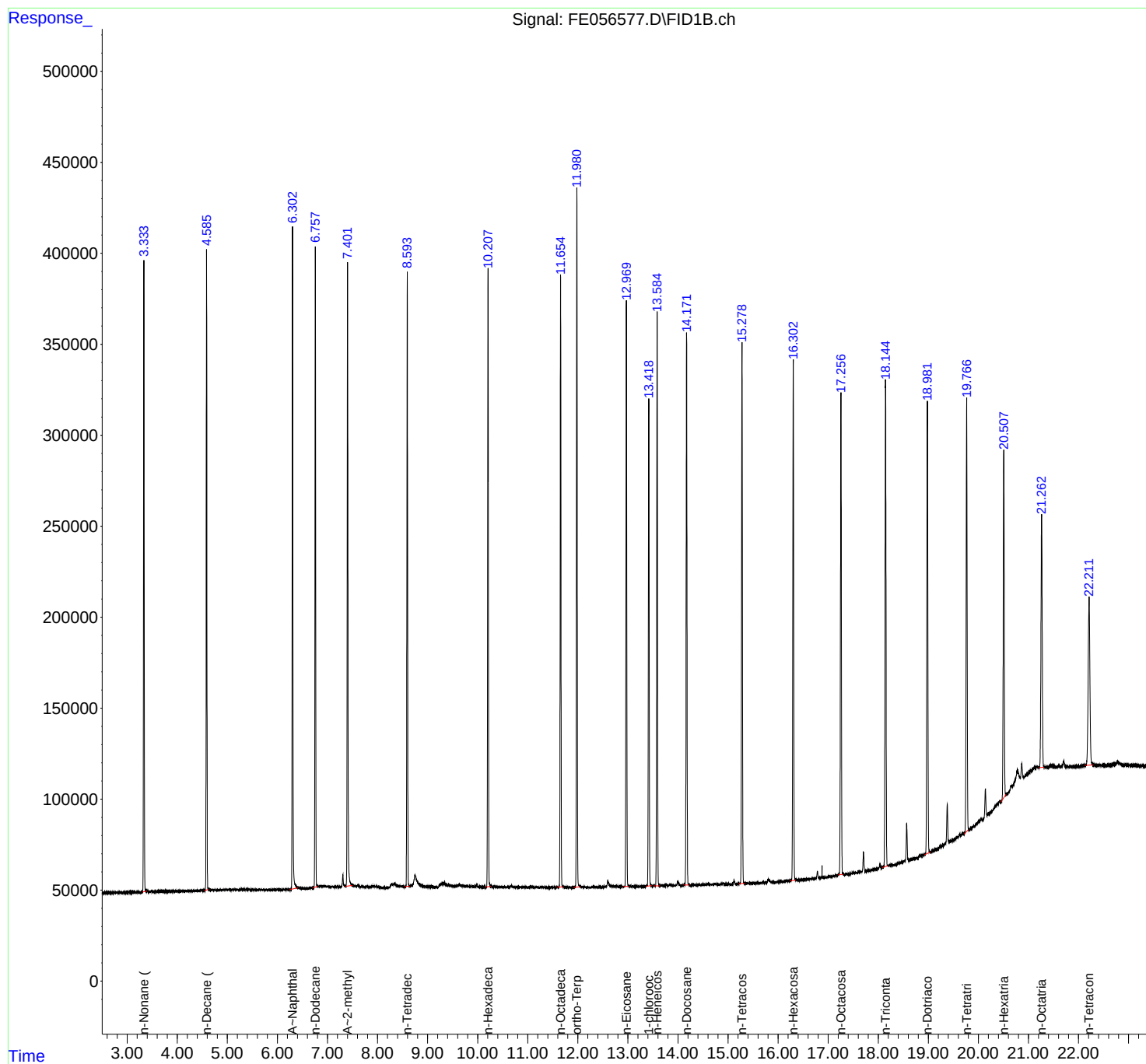
(m)=manual int.

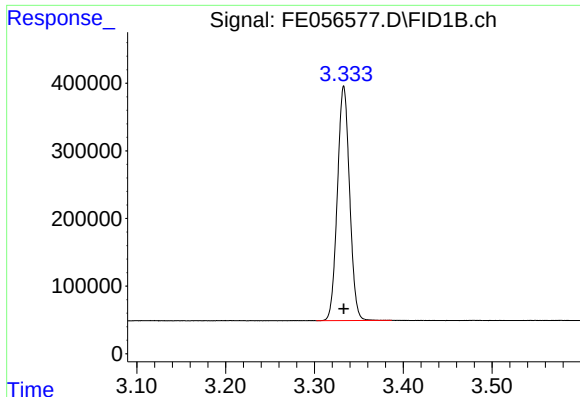
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056577.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 11:20
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

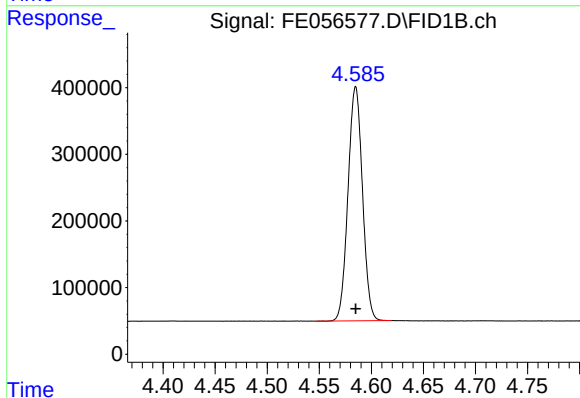




#1 n-Nonane (C9)

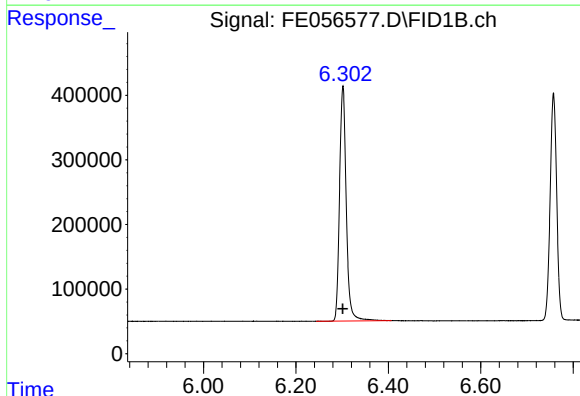
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 3309356
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



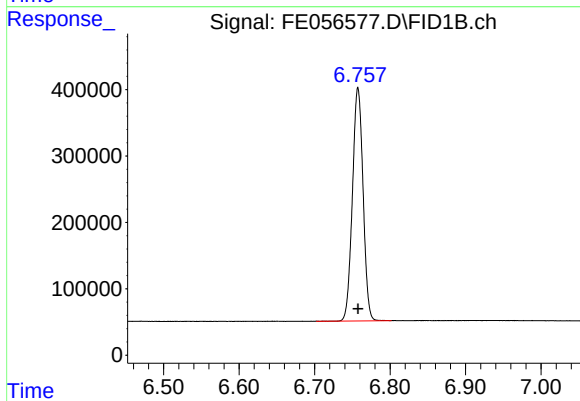
#2 n-Decane (C10)

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



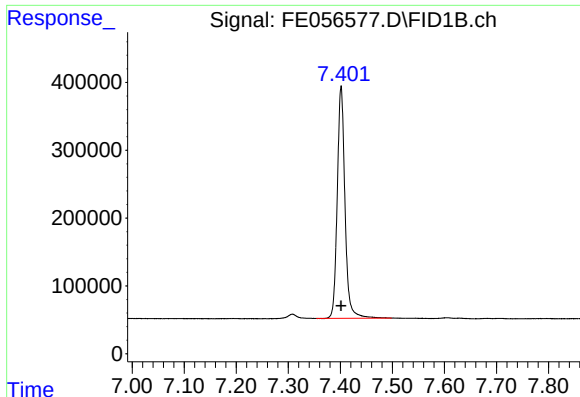
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

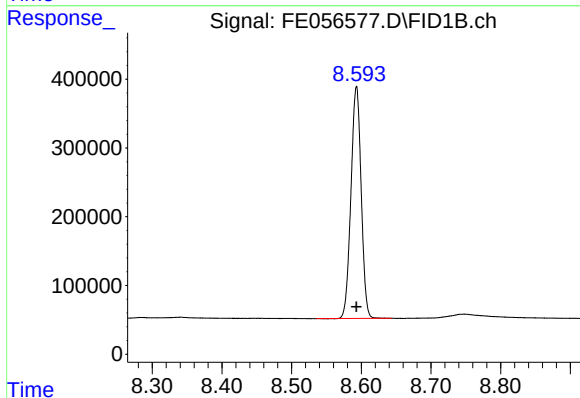
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 3436704
Conc: 20.00 ug/ml



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

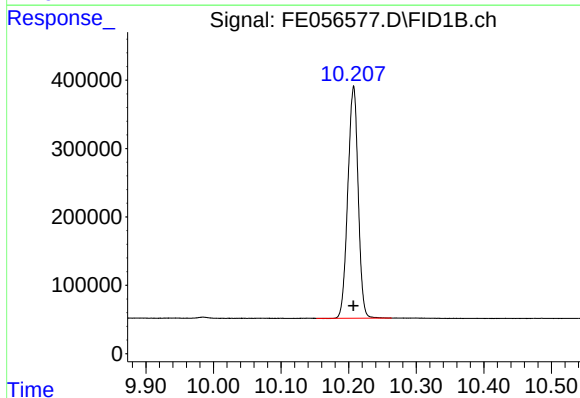
R.T.: 7.402 min
Delta R.T.: 0.000 min
Response: 3527076
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



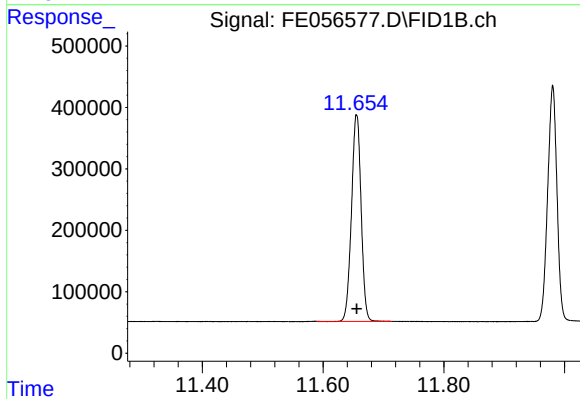
#6 n-Tetradecane (C14)

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



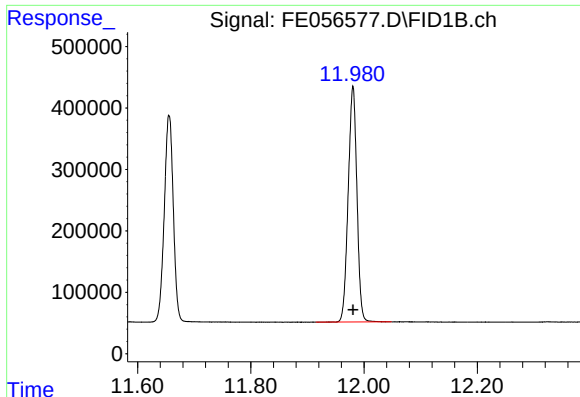
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

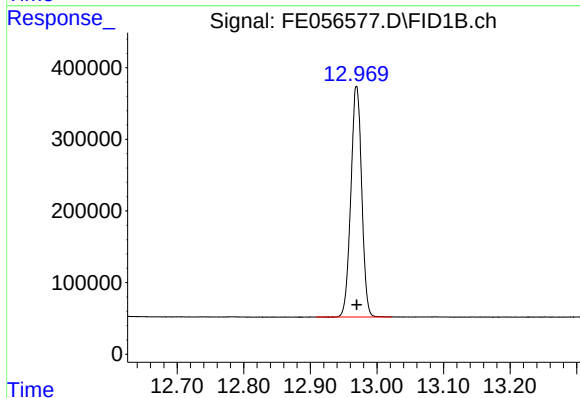
R.T.: 11.656 min
Delta R.T.: 0.000 min
Response: 3719660
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

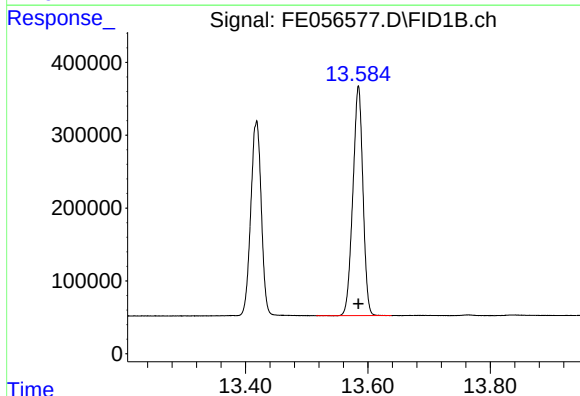
R.T.: 11.980 min
Delta R.T.: 0.000 min
Response: 4110239
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



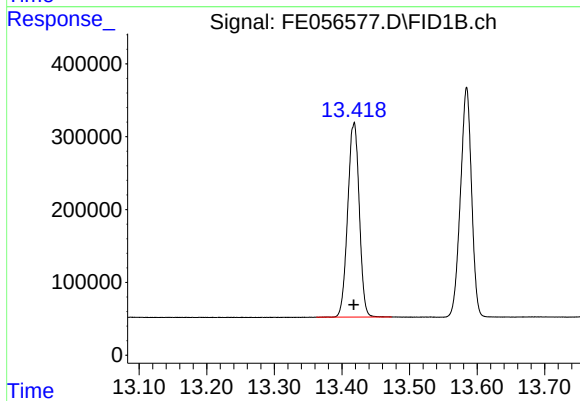
#10 n-Eicosane (C20)

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



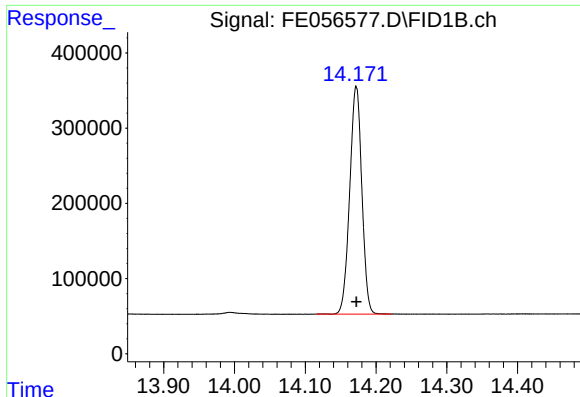
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

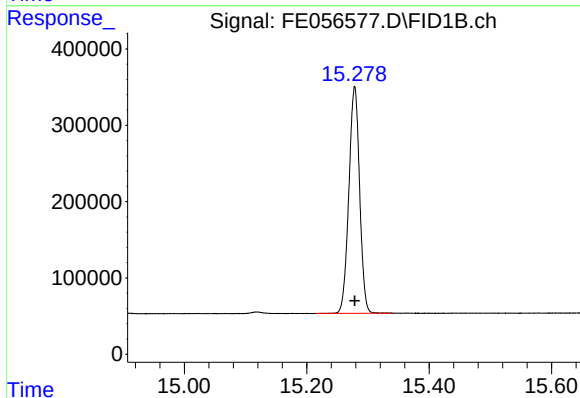
R.T.: 13.418 min
Delta R.T.: 0.000 min
Response: 3172652
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

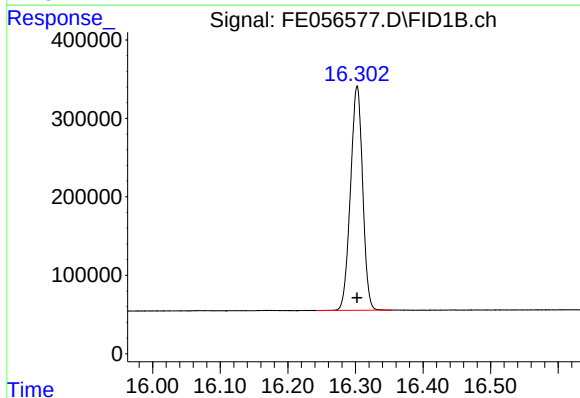
R.T.: 14.172 min
Delta R.T.: 0.000 min
Response: 3603427
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



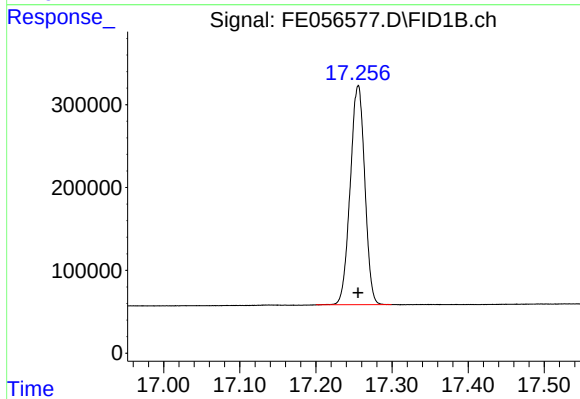
#14 n-Tetracosane (C24)

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



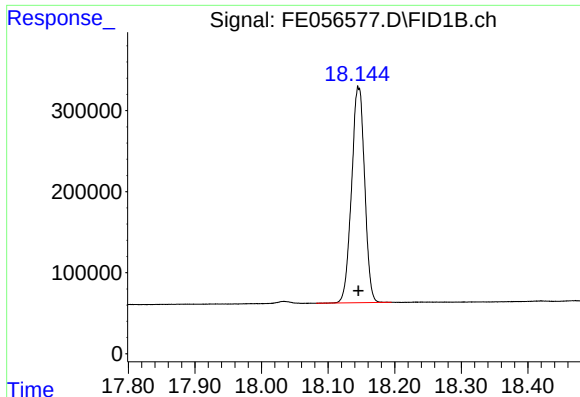
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

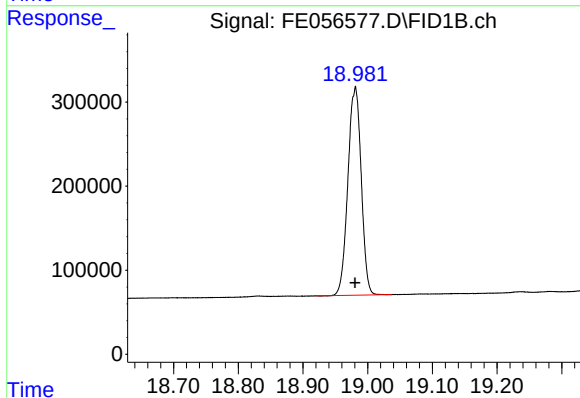
R.T.: 17.255 min
Delta R.T.: 0.000 min
Response: 3520565
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

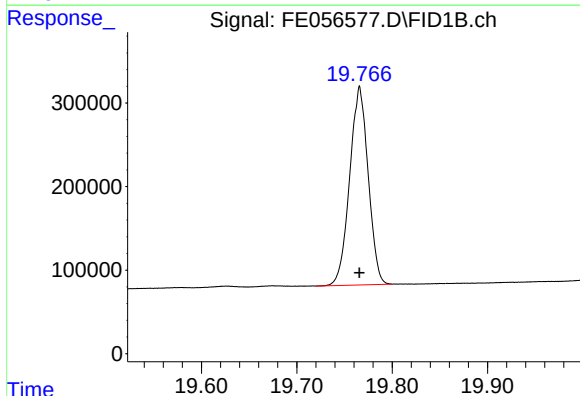
R.T.: 18.146 min
Delta R.T.: 0.000 min
Response: 3627924
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



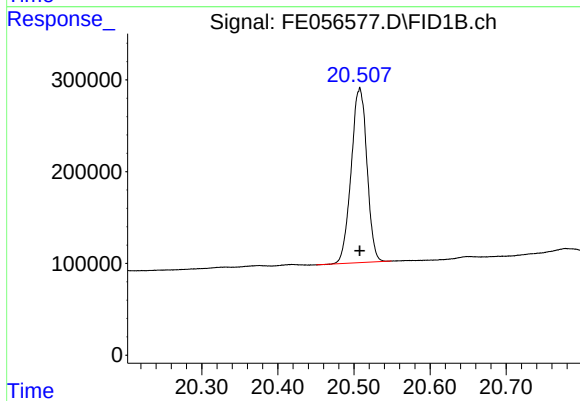
#18 n-Dotriacontane (C32)

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



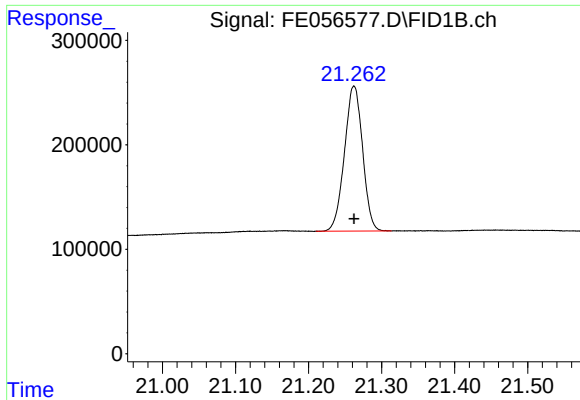
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

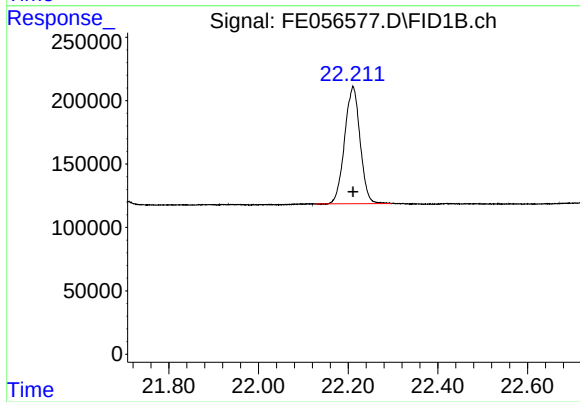
R.T.: 20.507 min
Delta R.T.: 0.000 min
Response: 2737391
Conc: 20.00 ug/ml



#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

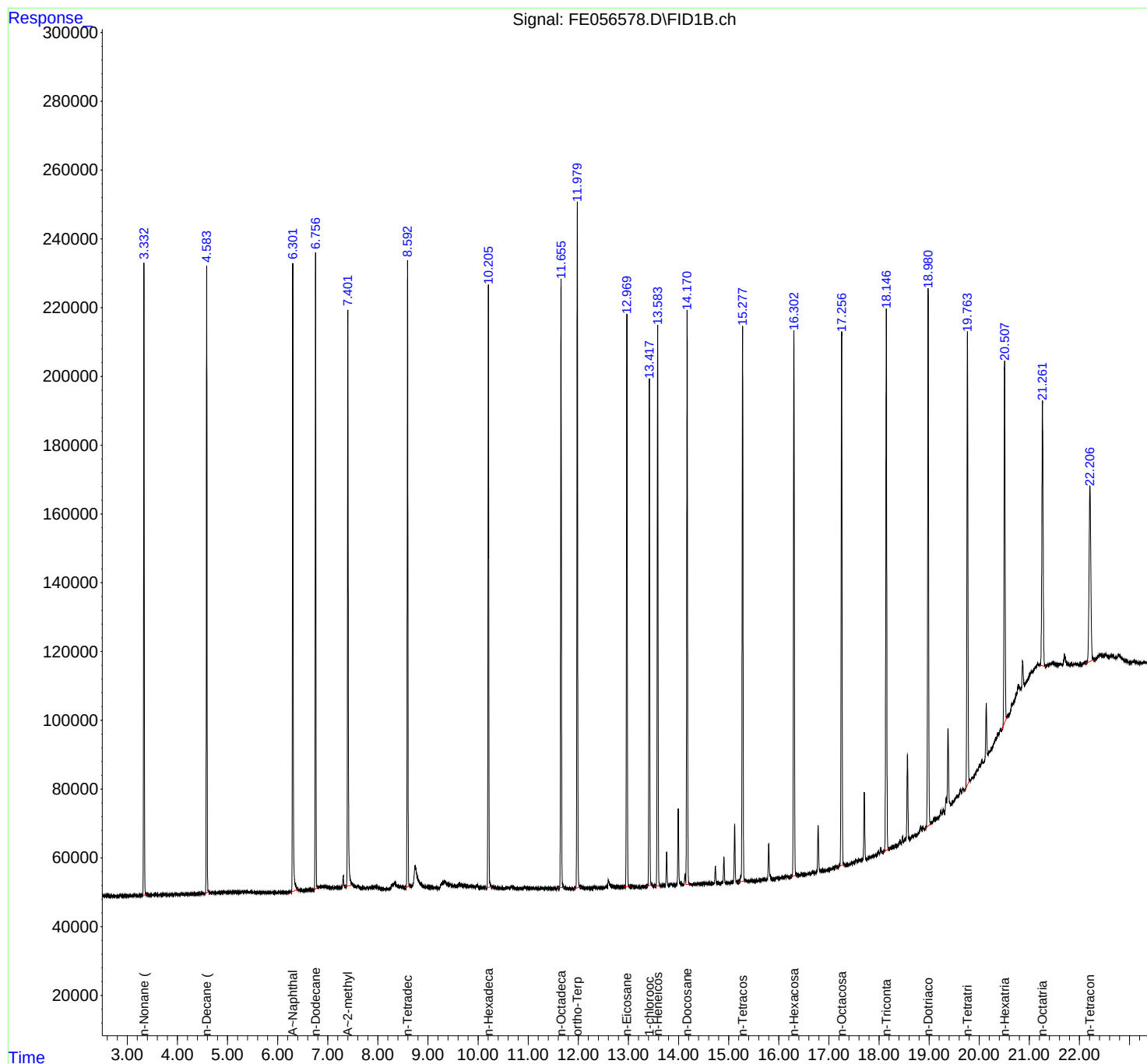
(m)=manual int.

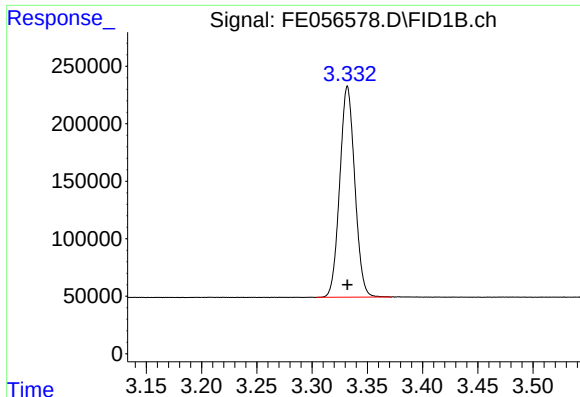
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056578.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 11:51
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

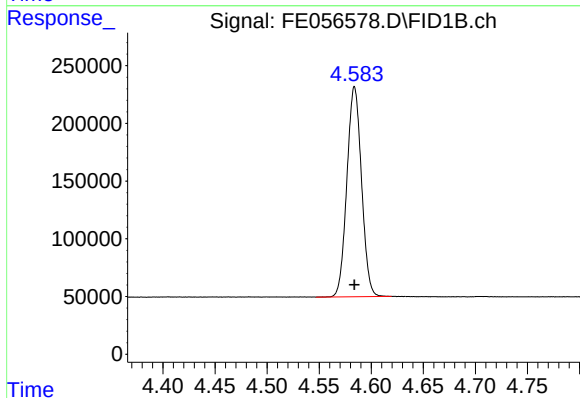




#1 n-Nonane (C9)

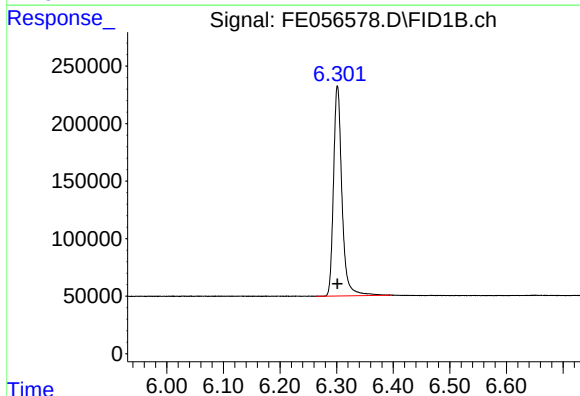
R.T.: 3.332 min
Delta R.T.: 0.000 min
Response: 1739861
Conc: 10.54 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



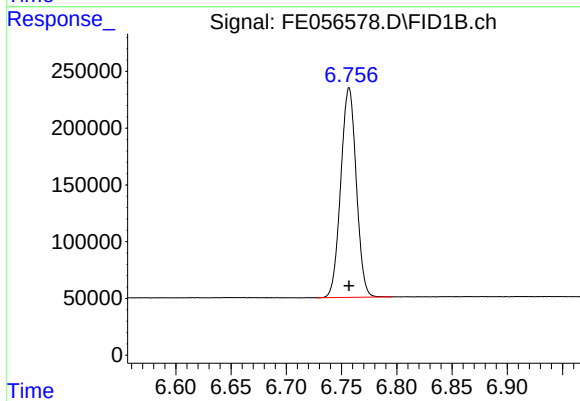
#2 n-Decane (C10)

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



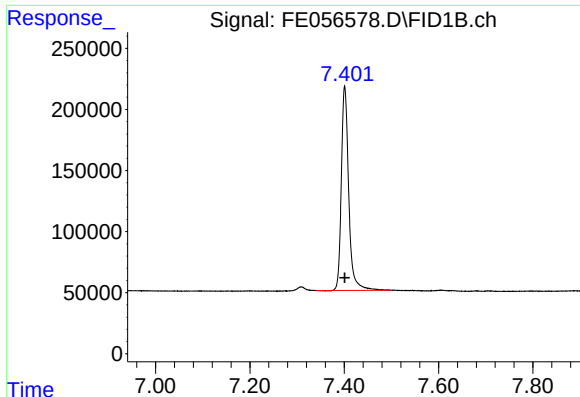
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

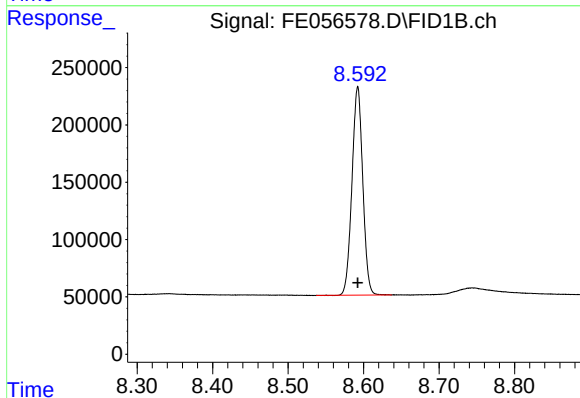
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 1805400
Conc: 10.53 ug/ml



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

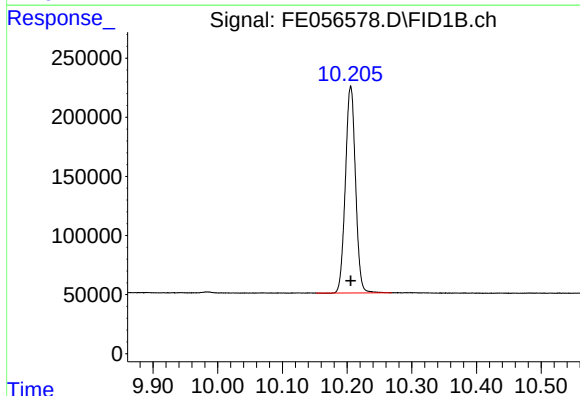
R.T.: 7.401 min
Delta R.T.: 0.000 min
Response: 1809756
Conc: 10.24 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



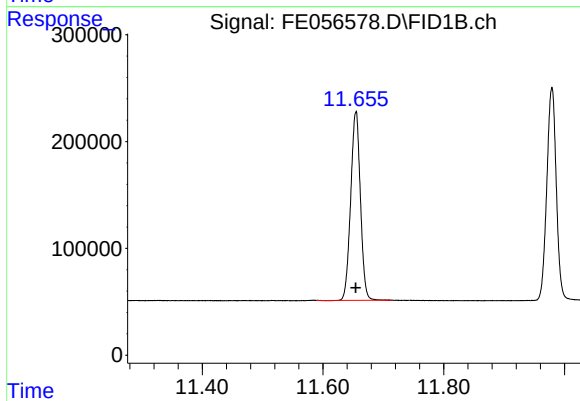
#6 n-Tetradecane (C14)

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



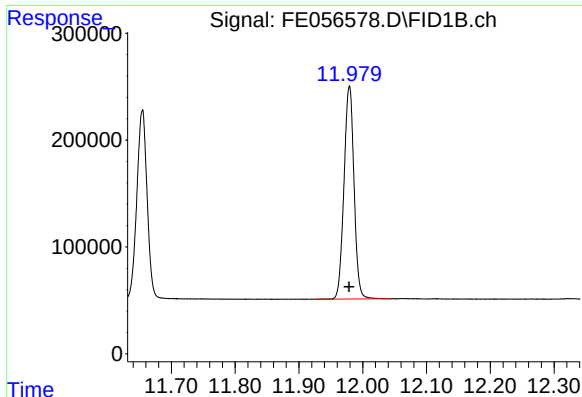
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

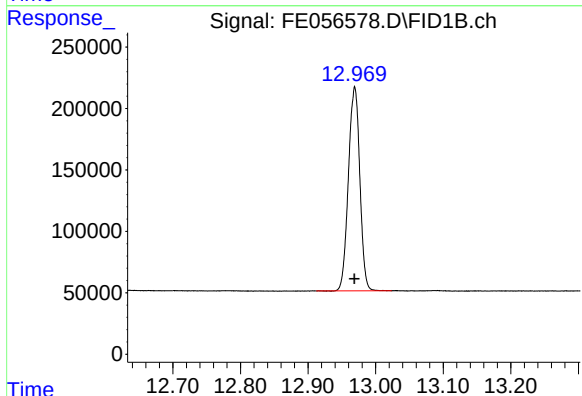
R.T.: 11.654 min
Delta R.T.: 0.000 min
Response: 1972225
Conc: 10.59 ug/ml



#9 ortho-Terphenyl (SURR)

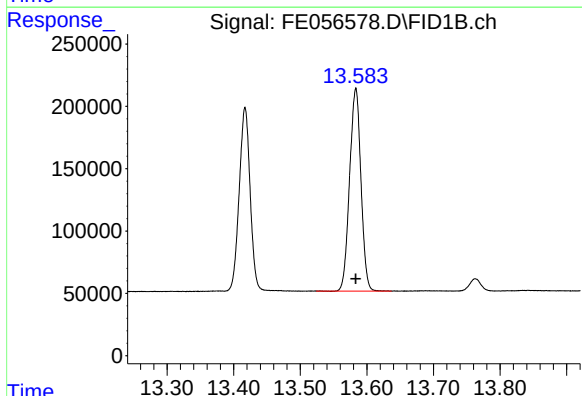
R.T.: 11.979 min
Delta R.T.: 0.000 min
Response: 2175105
Conc: 10.59 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



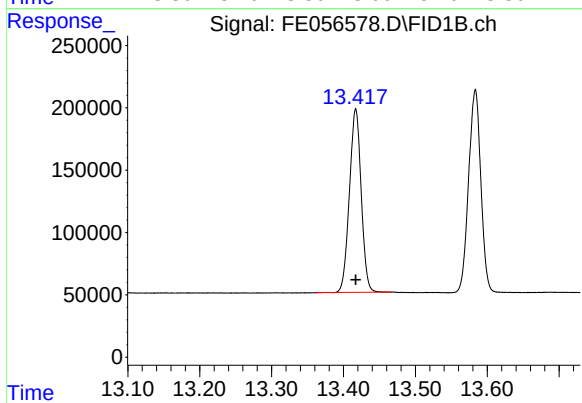
#10 n-Eicosane (C20)

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



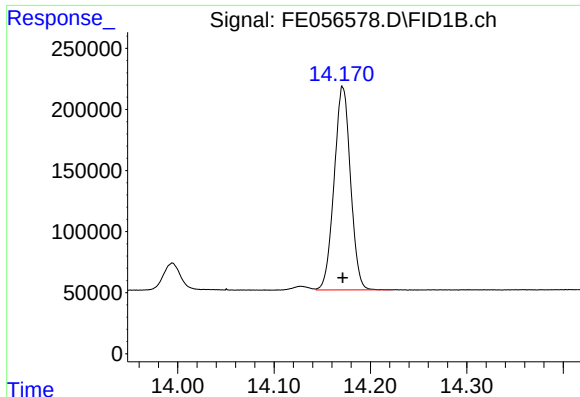
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

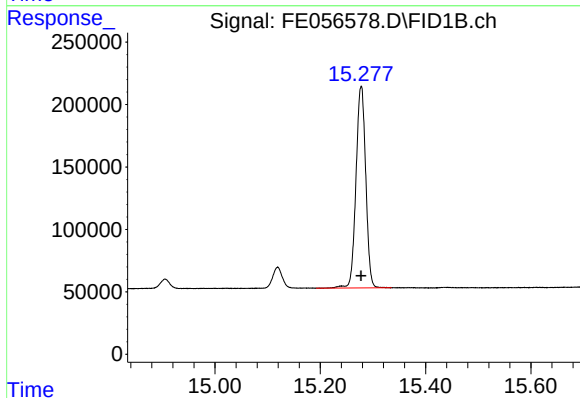
R.T.: 13.417 min
Delta R.T.: 0.000 min
Response: 1673178
Conc: 10.54 ug/ml



#13 n-Docosane (C22)

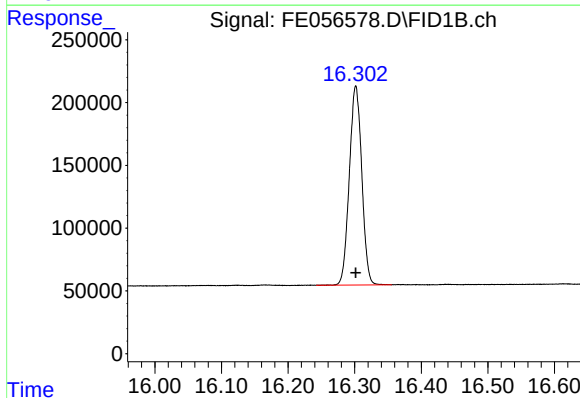
R.T.: 14.171 min
Delta R.T.: 0.000 min
Response: 1965821
Conc: 10.82 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



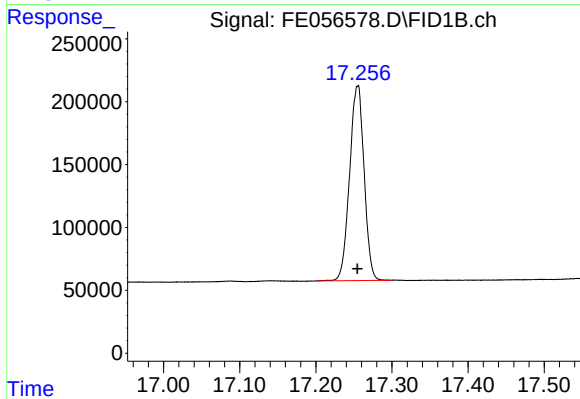
#14 n-Tetracosane (C24)

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



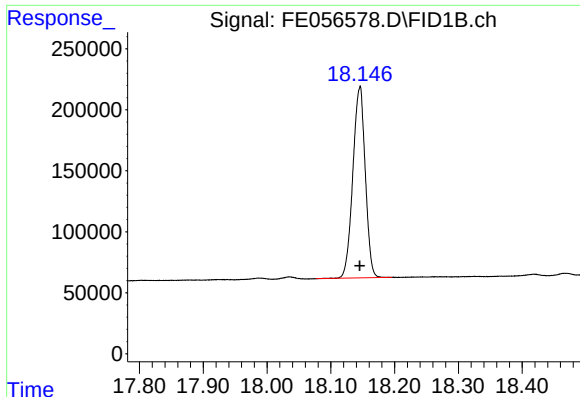
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

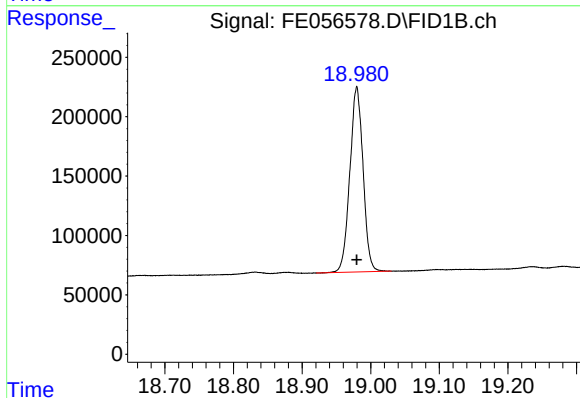
R.T.: 17.255 min
Delta R.T.: 0.000 min
Response: 2055084
Conc: 11.40 ug/ml



#17 n-Tricontane (C30)

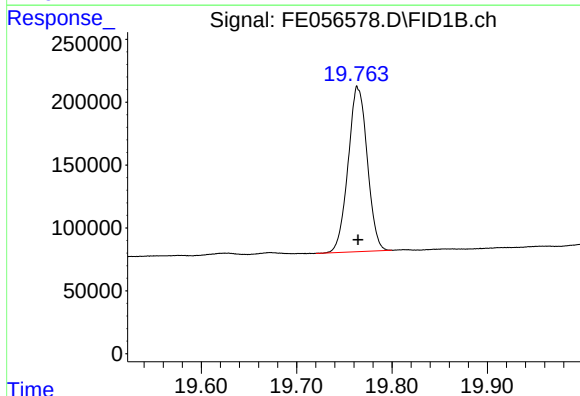
R.T.: 18.145 min
Delta R.T.: 0.000 min
Response: 2121276
Conc: 11.56 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



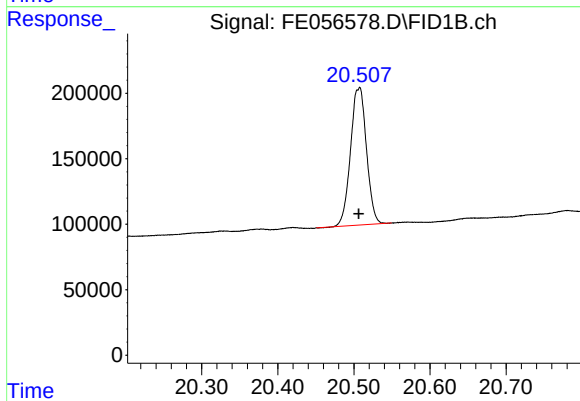
#18 n-Dotriacontane (C32)

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



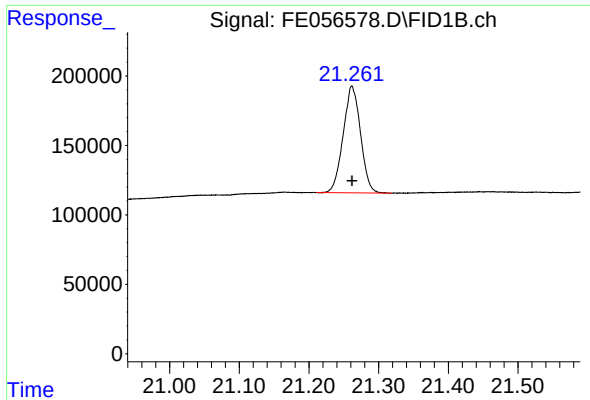
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

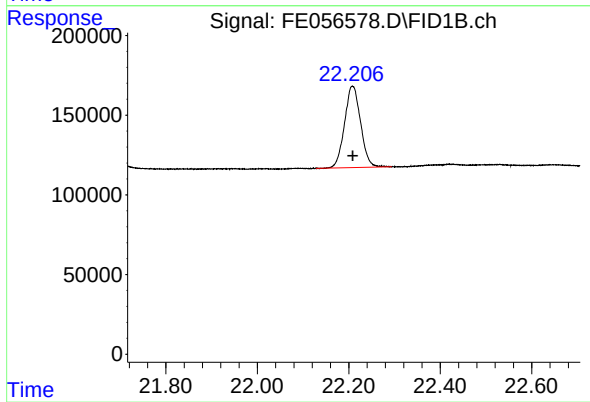
R.T.: 20.507 min
Delta R.T.: 0.000 min
Response: 1529216
Conc: 11.34 ug/ml



#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

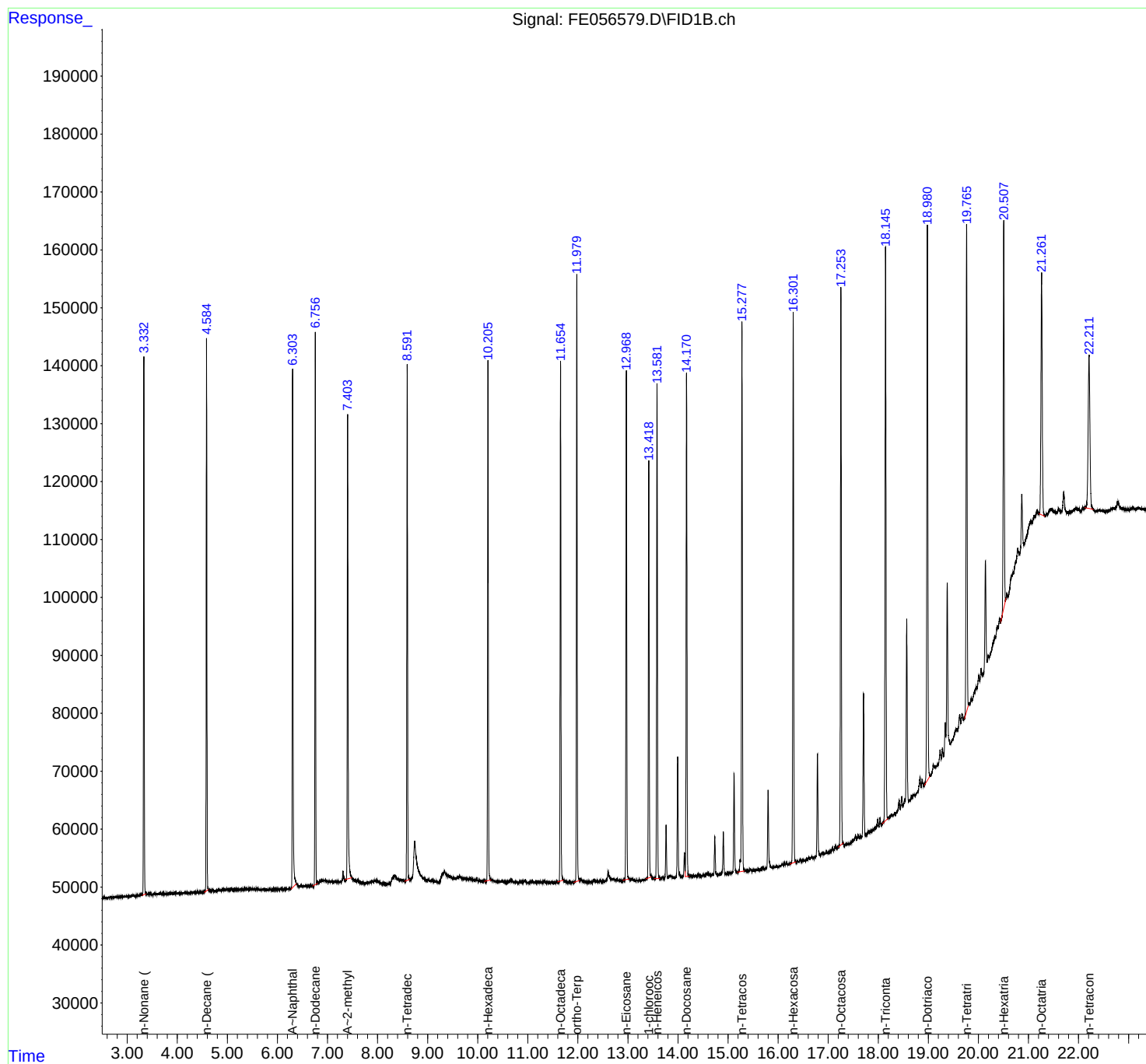
(m)=manual int.

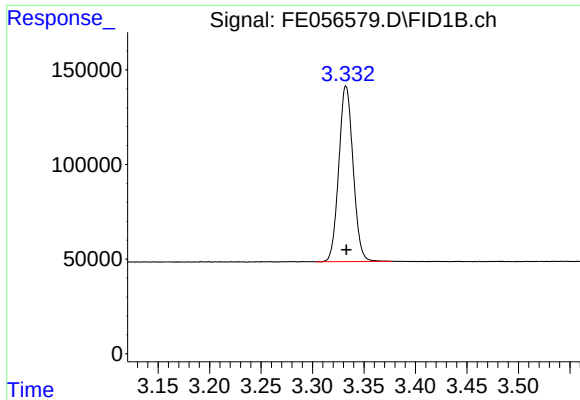
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056579.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 12:21
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

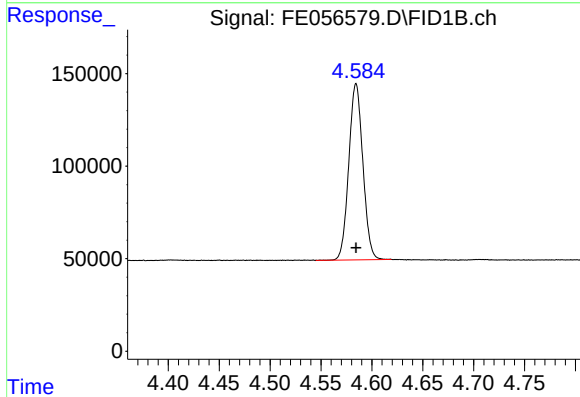




#1 n-Nonane (C9)

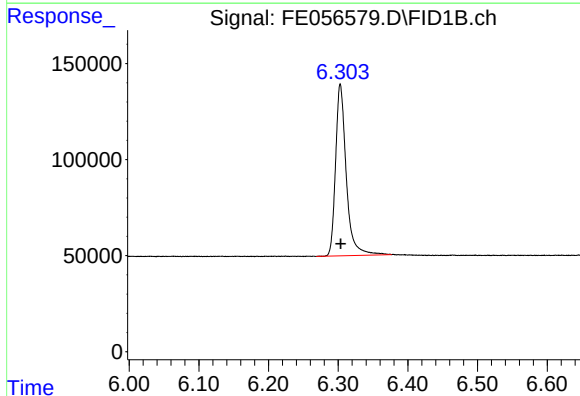
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 897930
Conc: 5.35 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



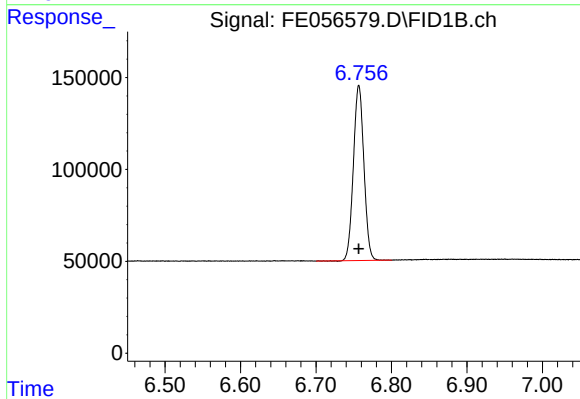
#2 n-Decane (C10)

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



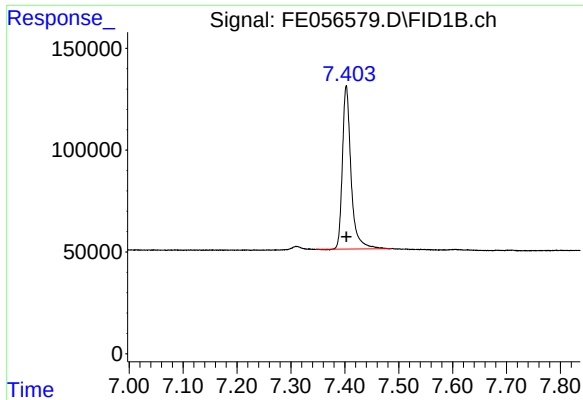
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

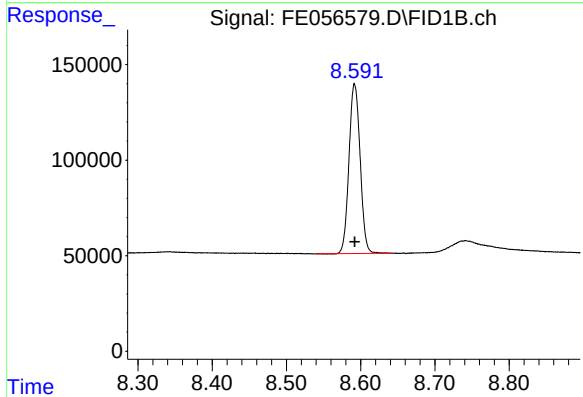
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 919808
Conc: 5.29 ug/ml



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

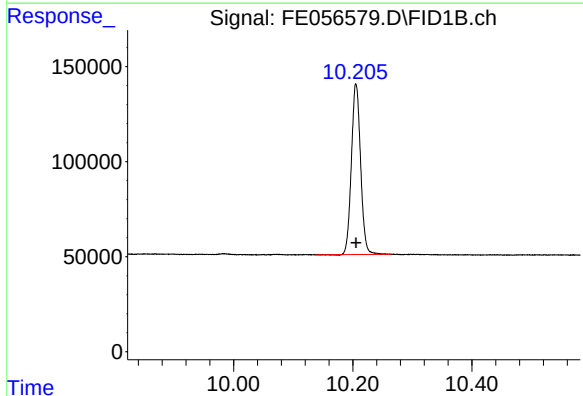
R.T.: 7.403 min
Delta R.T.: 0.000 min
Response: 894288
Conc: 5.05 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



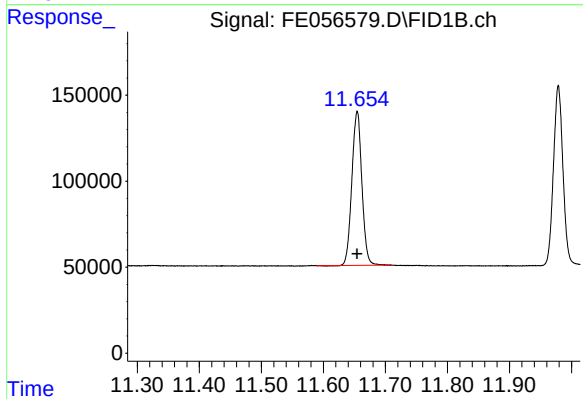
#6 n-Tetradecane (C14)

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



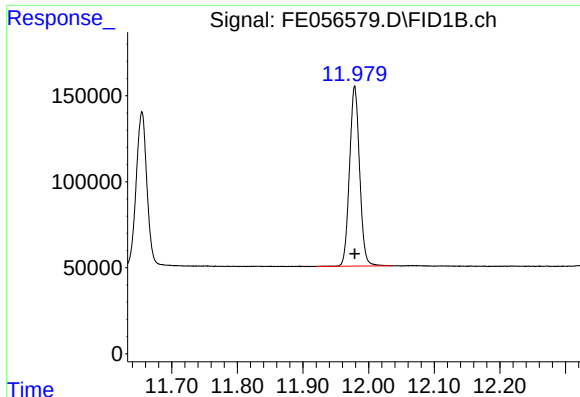
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

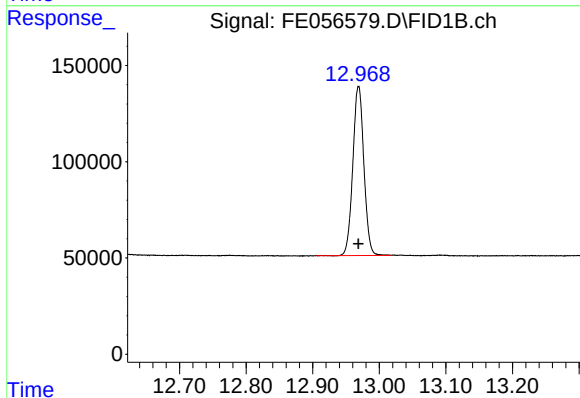
R.T.: 11.654 min
Delta R.T.: 0.000 min
Response: 1006643
Conc: 5.32 ug/ml



#9 ortho-Terphenyl (SURR)

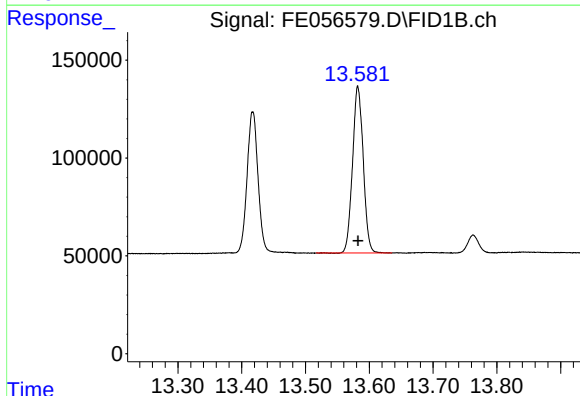
R.T.: 11.979 min
Delta R.T.: 0.000 min
Response: 1115676
Conc: 5.34 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



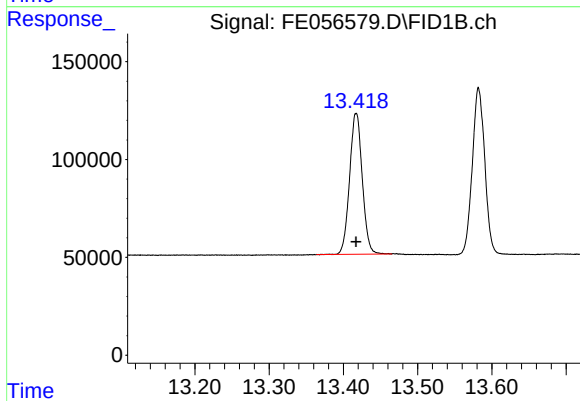
#10 n-Eicosane (C20)

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



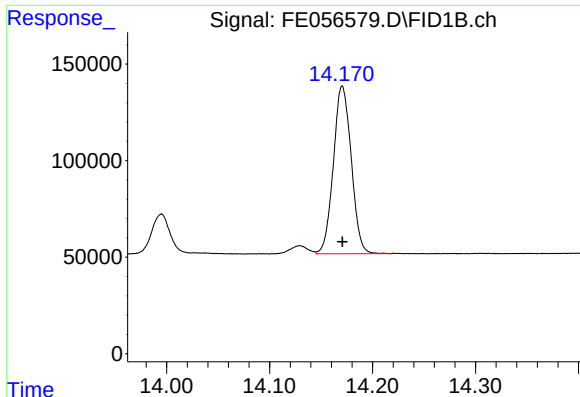
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

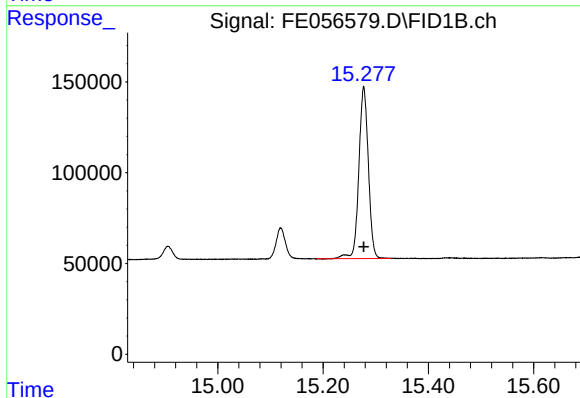
R.T.: 13.417 min
Delta R.T.: 0.000 min
Response: 853728
Conc: 5.30 ug/ml



#13 n-Docosane (C22)

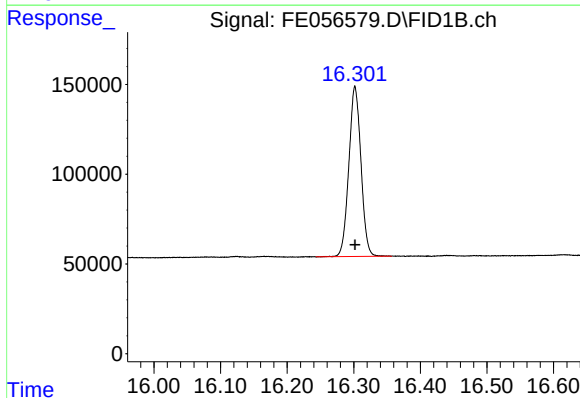
R.T.: 14.171 min
Delta R.T.: 0.000 min
Response: 1047683
Conc: 5.60 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



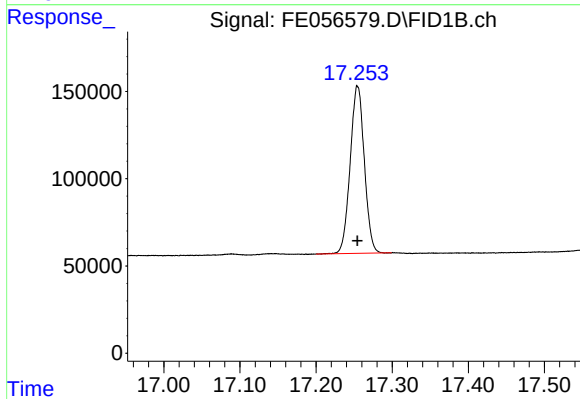
#14 n-Tetracosane (C24)

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



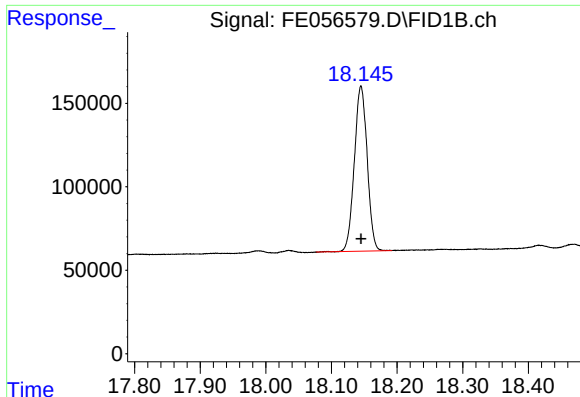
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

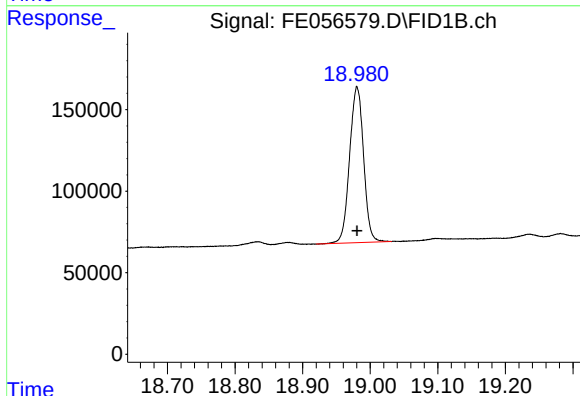
R.T.: 17.255 min
Delta R.T.: 0.000 min
Response: 1236772
Conc: 6.39 ug/ml



#17 n-Tricontane (C30)

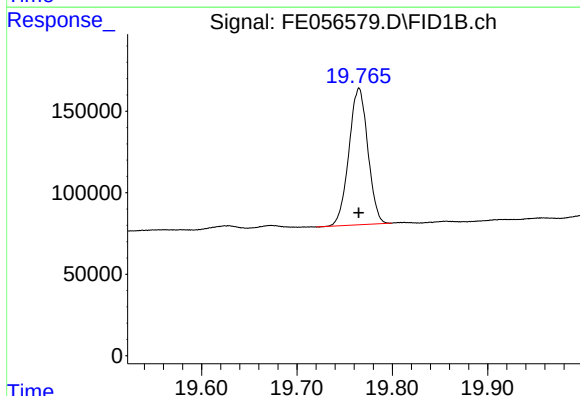
R.T.: 18.145 min
Delta R.T.: 0.000 min
Response: 1343777
Conc: 6.70 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



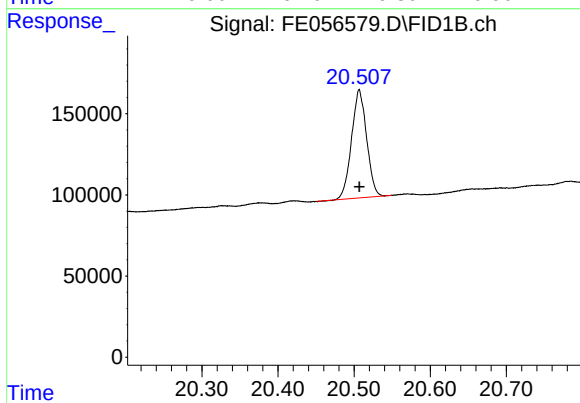
#18 n-Dotriacontane (C32)

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



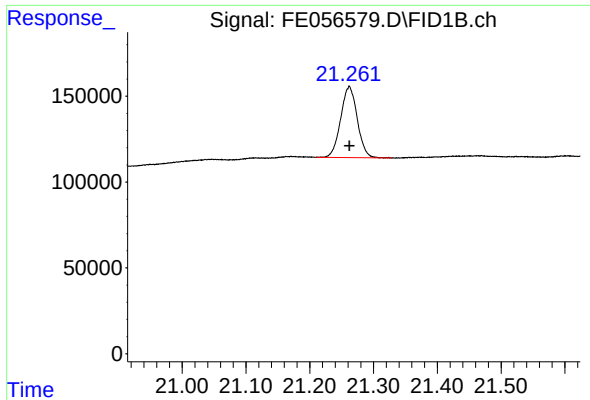
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

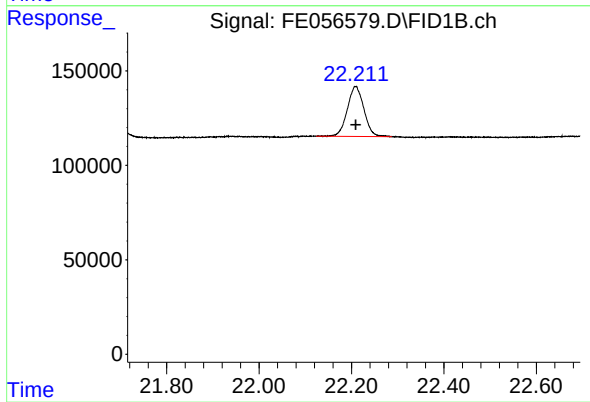
R.T.: 20.507 min
Delta R.T.: 0.000 min
Response: 919020
Conc: 6.35 ug/ml



#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

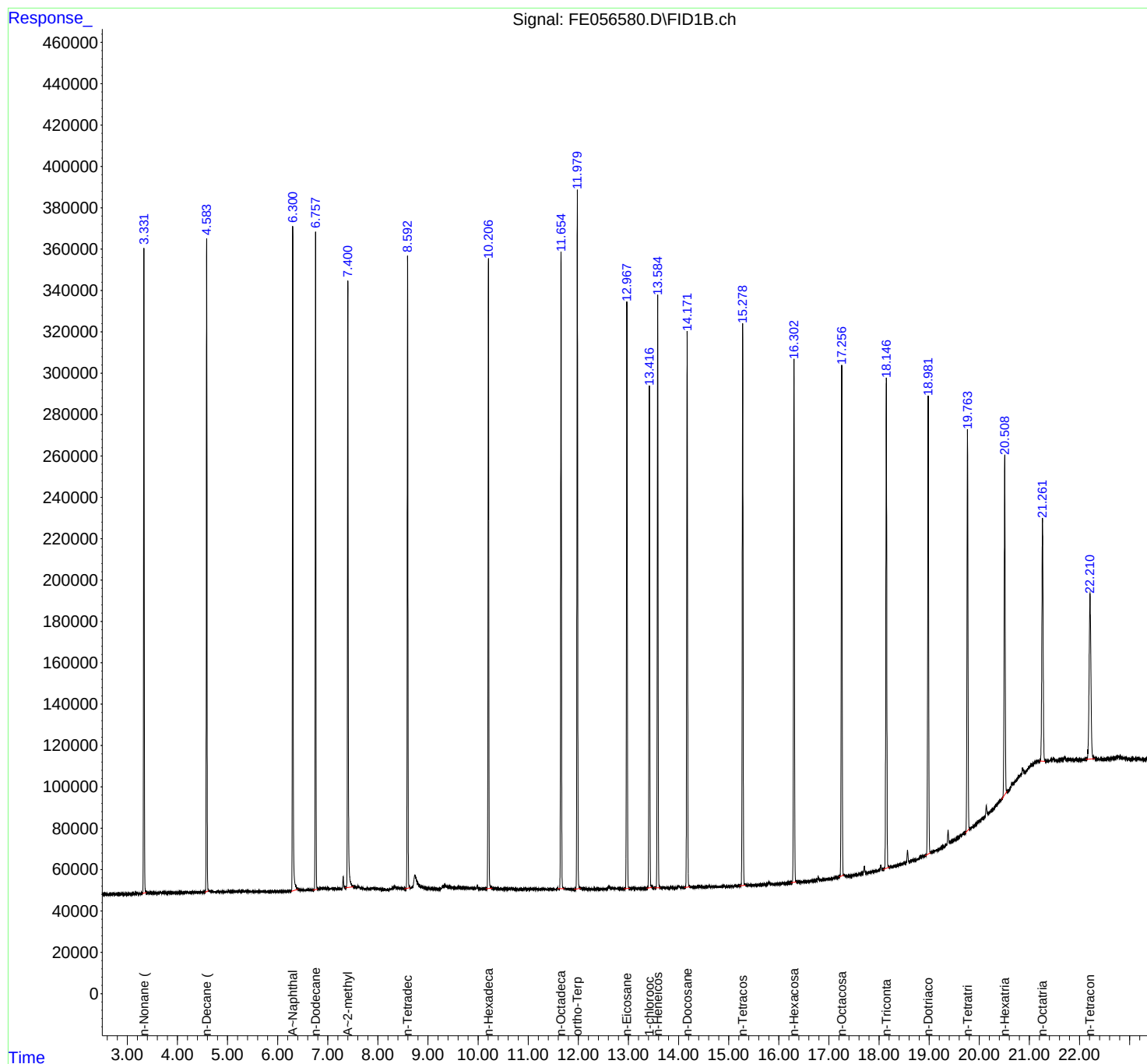
(m)=manual int.

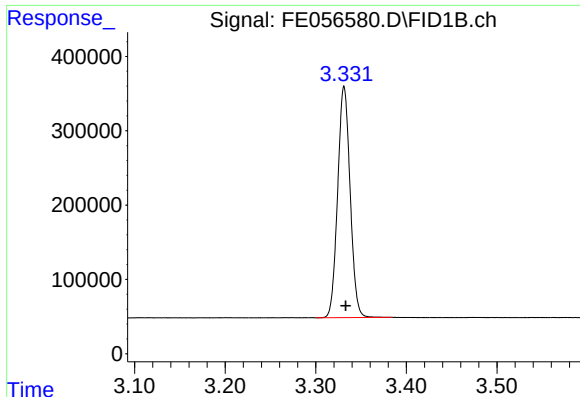
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056580.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 12:51
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

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)

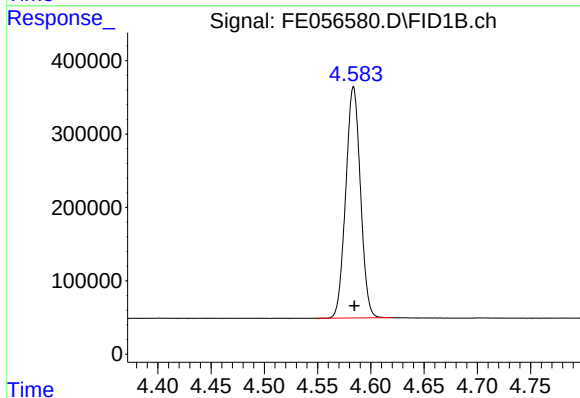
R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 2974720
Conc: 17.71 ug/ml

Instrument :

FID_E

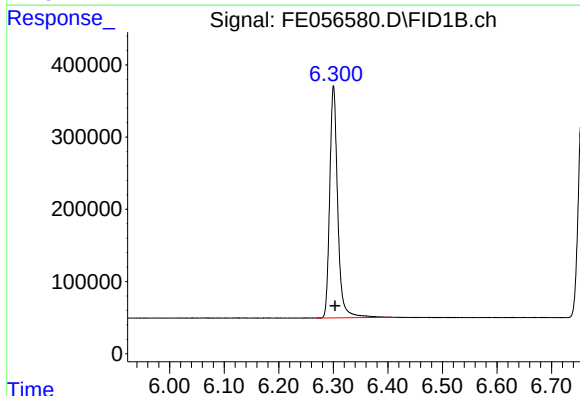
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



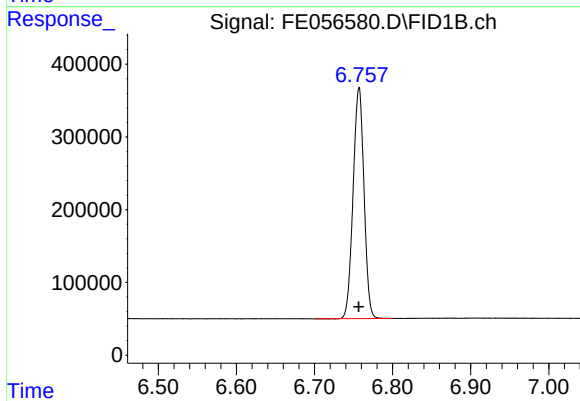
#2 n-Decane (C10)

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



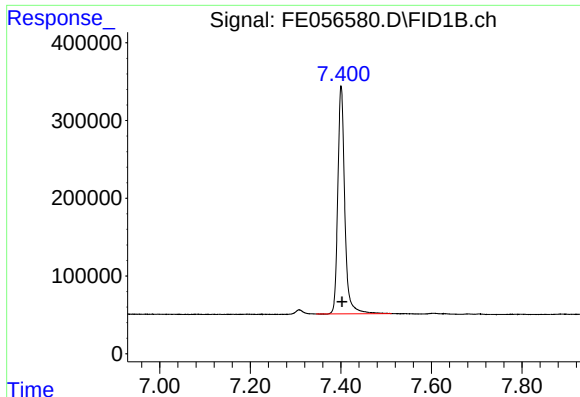
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

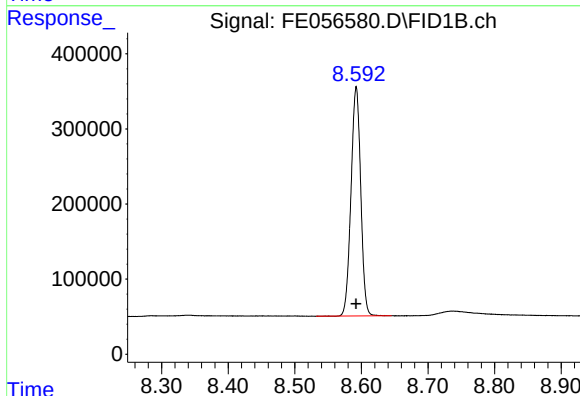
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 3080927
Conc: 17.71 ug/ml



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

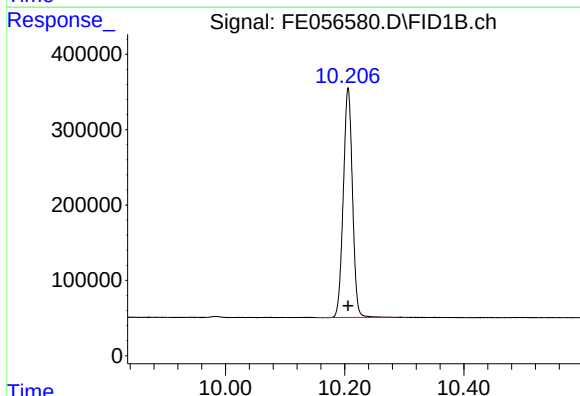
R.T.: 7.401 min
Delta R.T.: -0.002 min
Response: 3138399
Conc: 17.71 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



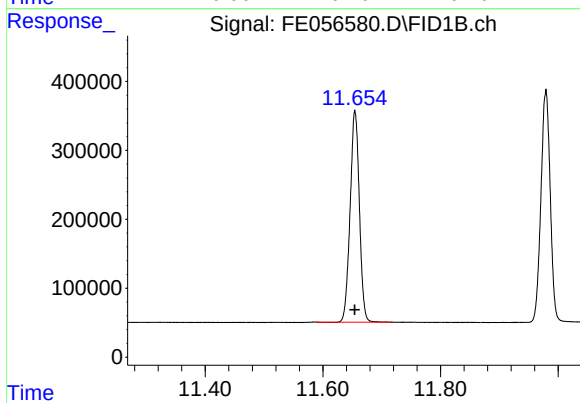
#6 n-Tetradecane (C14)

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



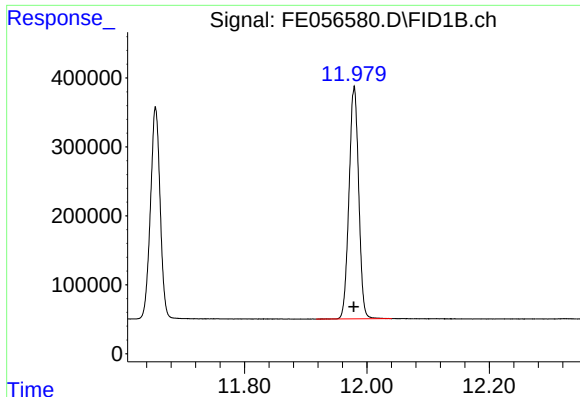
#7 n-Hexadecane (C16)

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)

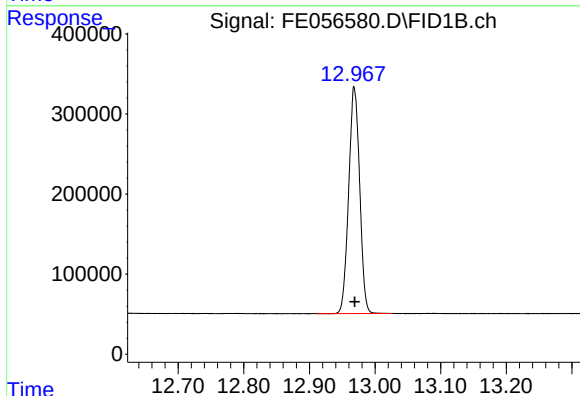
R.T.: 11.979 min
Delta R.T.: 0.000 min
Response: 3698663
Conc: 17.70 ug/ml

Instrument :

FID_E

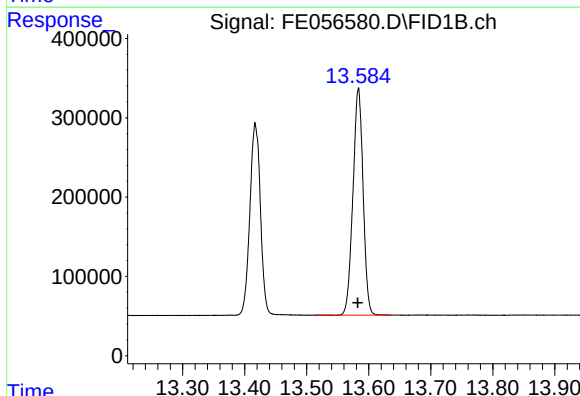
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



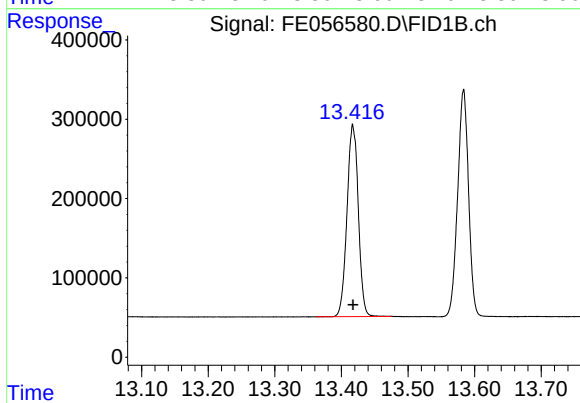
#10 n-Eicosane (C20)

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



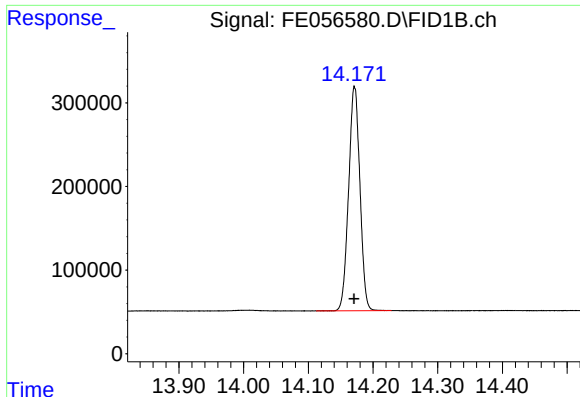
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

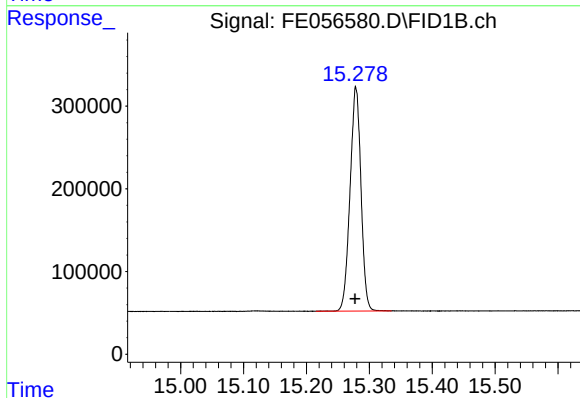
R.T.: 13.417 min
Delta R.T.: 0.000 min
Response: 2853138
Conc: 17.71 ug/ml



#13 n-Docosane (C22)

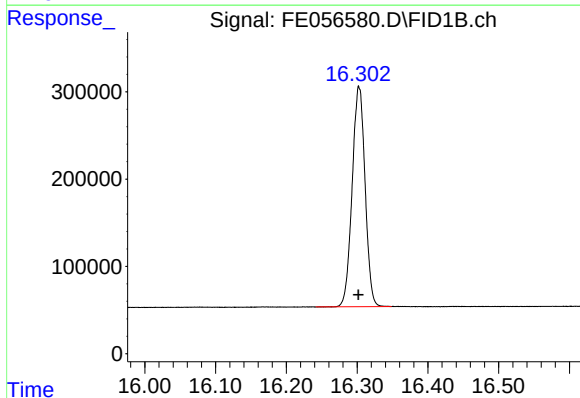
R.T.: 14.171 min
Delta R.T.: 0.000 min
Response: 3252345
Conc: 17.37 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



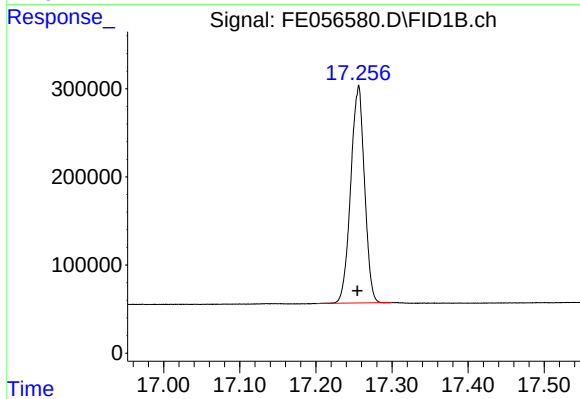
#14 n-Tetracosane (C24)

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



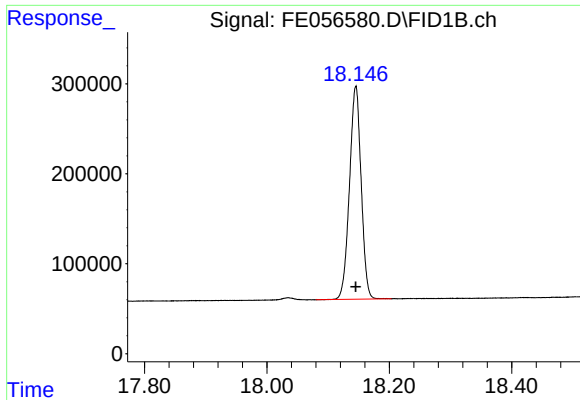
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

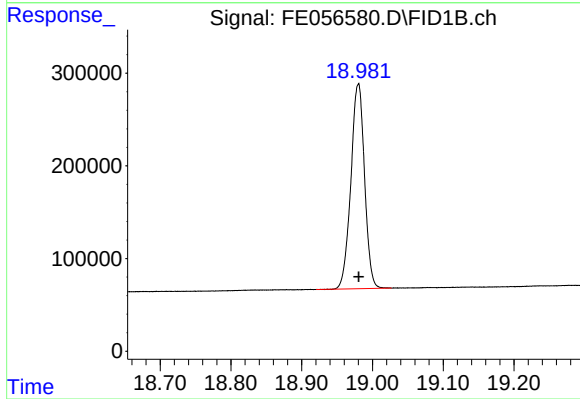
R.T.: 17.256 min
Delta R.T.: 0.001 min
Response: 3101810
Conc: 16.02 ug/ml



#17 n-Tricontane (C30)

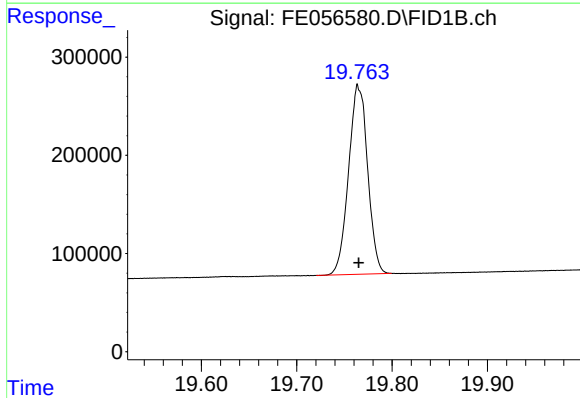
R.T.: 18.145 min
Delta R.T.: 0.000 min
Response: 3129479
Conc: 15.61 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



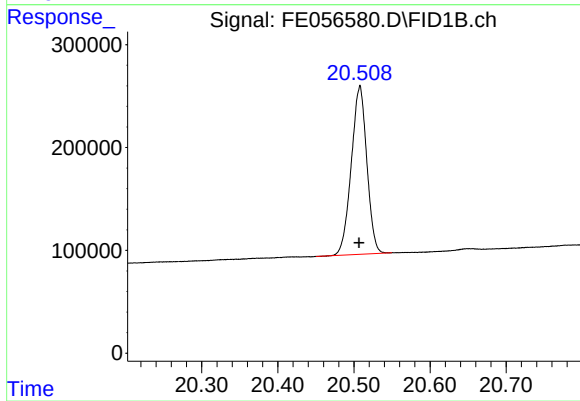
#18 n-Dotriacontane (C32)

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



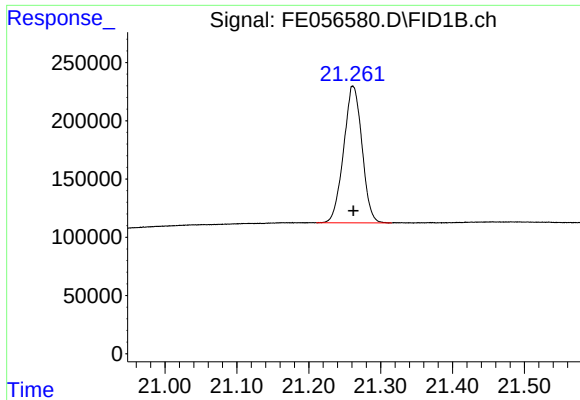
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

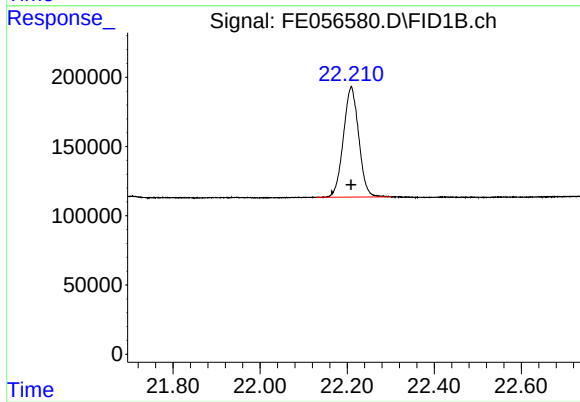
R.T.: 20.508 min
Delta R.T.: 0.000 min
Response: 2321116
Conc: 16.05 ug/ml



#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 : FC110325AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC070122.D

Aliphatic C9-C12	8308225.000	60.000	3.277	6.571	138470.417	144785.198	4.361
Aliphatic C12-C16	6112375.000	40.000	6.572	9.972	152809.375	163782.335	6.700
Aliphatic C16-C21	8994598.000	60.000	9.973	13.339	149909.967	161945.502	7.432
Aliphatic C21-C28	11245808.000	80.000	13.340	17.004	140572.600	147142.336	4.465
Aliphatic C28-C40	14601181.000	120.000	17.005	21.958	121676.508	107599.833	-13.082
Aliphatic EPH	49262187.000	360.000	3.277	21.958	136839.408	137884.728	0.758

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	03 Nov 2025 14:52
Client Sample ID:		Operator:	YP/AJ
Data file:	FC070122.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.277	6.571	8308225.000	60.000	ug/ml
Aliphatic C12-C16	6.572	9.972	6112375.000	40.000	ug/ml
Aliphatic C16-C21	9.973	13.339	8994598.000	60.000	ug/ml
Aliphatic C21-C28	13.340	17.004	11245808.000	80.000	ug/ml
Aliphatic C28-C40	17.005	21.958	14601181.000	120.000	ug/ml
Aliphatic EPH	3.277	21.958	49262187.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
 Data File : FC070122.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2025 14:52
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/04/2025
 Supervised By :Yogesh Patel 11/04/2025

Integration File: autoint1.e
 Quant Time: Nov 04 03:28:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 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)	11.637	3284460	18.704 ug/ml
Spiked Amount 50.000		Recovery =	37.41%
12) S 1-chlorooctadecane (S...	13.073	2474967	18.233 ug/ml
Spiked Amount 50.000		Recovery =	36.47%
Target Compounds			
1) T n-Nonane (C9)	3.377	2597204	18.914 ug/ml
2) T n-Decane (C10)	4.448	2788201	19.395 ug/ml
3) T A~Naphthalene (C11.7)	6.042	3033351	18.769 ug/ml
4) T n-Dodecane (C12)	6.471	2922820	19.069 ug/ml
5) T A~2-methylnaphthalene...	7.101	2942043	18.440 ug/ml
6) T n-Tetradecane (C14)	8.269	2988284	18.789 ug/ml
7) T n-Hexadecane (C16)	9.872	3124091	18.538 ug/ml
8) T n-Octadecane (C18)	11.316	3149619	18.513 ug/ml
10) T n-Eicosane (C20)	12.626	2967914	18.499 ug/ml
11) T n-Heneicosane (C21)	13.239	2877065	18.529 ug/ml
13) T n-Docosane (C22)	13.826	2864464	18.613 ug/ml
14) T n-Tetracosane (C24)	14.931	2855678	18.833 ug/ml
15) T n-Hexacosane (C26)	15.954	2750651	19.004 ug/ml
16) T n-Octacosane (C28)	16.904	2775015	20.065 ug/ml
17) T n-Tricontane (C30)	17.793	3032634	22.212 ug/ml
18) T n-Dotriacontane (C32)	18.627	3092731	23.987 ug/mlm
19) T n-Tetratriacontane (C34)	19.410	2761425	24.202 ug/ml
20) T n-Hexatriacontane (C36)	20.150	2188885	22.633 ug/mlm
21) T n-Octatriacontane (C38)	20.908	1855731	21.291 ug/mlm
22) T n-Tetracontane (C40)	21.858	1669775	20.323 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
Data File : FC070122.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 14:52
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

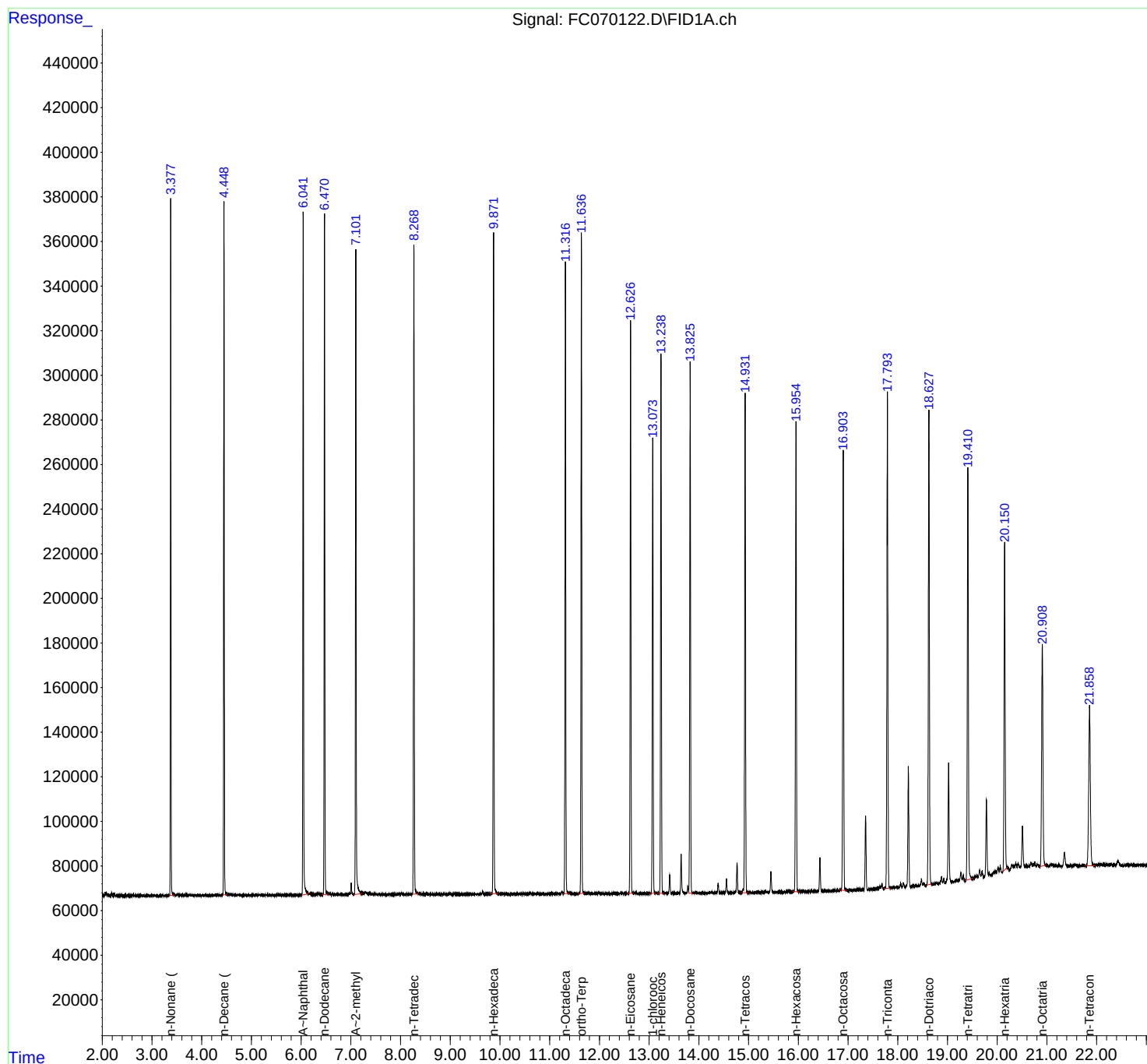
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Integration File: autoint1.e
Quant Time: Nov 04 03:28:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

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

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC11032
Data File : FC070122.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 14:52
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.377	3.342	3.447	BB	312467	2597204	79.08%	4.256%
2	4.448	4.420	4.510	BB	310570	2788201	84.89%	4.569%
3	6.042	6.010	6.159	BB	306195	3033351	92.35%	4.970%
4	6.471	6.427	6.547	BB	304804	2922820	88.99%	4.789%
5	7.101	7.059	7.225	BB	288203	2942043	89.57%	4.821%
6	8.269	8.234	8.360	BB	291060	2988284	90.98%	4.896%
7	9.872	9.809	9.964	BB	295196	3124091	95.12%	5.119%
8	11.316	11.274	11.389	BB	282684	3149619	95.89%	5.161%
9	11.637	11.574	11.697	BB	295802	3284460	100.00%	5.382%
10	12.626	12.557	12.680	BB	257111	2967914	90.36%	4.863%
11	13.073	13.014	13.130	BB	204443	2474967	75.35%	4.055%
12	13.239	13.172	13.297	BB	241923	2877065	87.60%	4.714%
13	13.826	13.793	13.884	VB	238617	2864464	87.21%	4.694%
14	14.931	14.844	14.994	BB	221886	2855678	86.95%	4.679%
15	15.954	15.885	16.010	BB	210495	2750651	83.75%	4.507%
16	16.904	16.830	16.974	BB	197046	2775015	84.49%	4.547%
17	17.793	17.720	17.849	BB	222464	3032634	92.33%	4.969%
18	18.627	18.554	18.711	M	213099	3113823	94.80%	5.102%
19	19.410	19.352	19.515	BB	184203	2761425	84.08%	4.525%
20	20.150	20.099	20.203	M	147011	2186293	66.56%	3.582%
21	20.908	20.851	20.966	M	99722	1869819	56.93%	3.064%
22	21.858	21.767	21.969	BB	71513	1669775	50.84%	2.736%
Sum of corrected areas:						61029597		

Aliphatic EPH 100725.M Tue Nov 04 04:34:08 2025

Continuing Calibration Report for SequenceID : FC110325AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC070134.D

Aliphatic C9-C12	8217393.000	60.000	3.277	6.571	136956.550	144785.198	5.407
Aliphatic C12-C16	6130693.000	40.000	6.572	9.972	153267.325	163782.335	6.420
Aliphatic C16-C21	9005322.000	60.000	9.973	13.339	150088.700	161945.502	7.321
Aliphatic C21-C28	11158272.000	80.000	13.340	17.004	139478.400	147142.336	5.209
Aliphatic C28-C40	14823574.000	120.000	17.005	21.958	123529.783	107599.833	-14.805
Aliphatic EPH	49335254.000	360.000	3.277	21.958	137042.372	137884.728	0.611

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	03 Nov 2025 23:52
Client Sample ID:		Operator:	YP/AJ
Data file:	FC070134.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.277	6.571	8217393.000	60.000	ug/ml
Aliphatic C12-C16	6.572	9.972	6130693.000	40.000	ug/ml
Aliphatic C16-C21	9.973	13.339	9005322.000	60.000	ug/ml
Aliphatic C21-C28	13.340	17.004	11158272.000	80.000	ug/ml
Aliphatic C28-C40	17.005	21.958	14823574.000	120.000	ug/ml
Aliphatic EPH	3.277	21.958	49335254.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
 Data File : FC070134.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2025 23:52
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/04/2025
 Supervised By :Yogesh Patel 11/04/2025

Integration File: autoint1.e
 Quant Time: Nov 04 03:34:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 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)	11.640	3268831	18.615 ug/ml
Spiked Amount 50.000		Recovery =	37.23%
12) S 1-chlorooctadecane (S...	13.075	2515907	18.534 ug/ml
Spiked Amount 50.000		Recovery =	37.07%
Target Compounds			
1) T n-Nonane (C9)	3.378	2557472	18.625 ug/ml
2) T n-Decane (C10)	4.449	2759276	19.193 ug/ml
3) T A~Naphthalene (C11.7)	6.044	3029776	18.747 ug/ml
4) T n-Dodecane (C12)	6.472	2900645	18.924 ug/ml
5) T A~2-methylnaphthalene...	7.103	2986085	18.716 ug/ml
6) T n-Tetradecane (C14)	8.271	2988868	18.793 ug/ml
7) T n-Hexadecane (C16)	9.873	3141825	18.644 ug/ml
8) T n-Octadecane (C18)	11.318	3156514	18.554 ug/ml
10) T n-Eicosane (C20)	12.629	2981907	18.587 ug/ml
11) T n-Heneicosane (C21)	13.242	2866901	18.464 ug/ml
13) T n-Docosane (C22)	13.829	2855037	18.552 ug/ml
14) T n-Tetracosane (C24)	14.934	2844875	18.762 ug/ml
15) T n-Hexacosane (C26)	15.957	2722716	18.811 ug/ml
16) T n-Octacosane (C28)	16.908	2735644	19.780 ug/ml
17) T n-Tricontane (C30)	17.797	3016035	22.090 ug/ml
18) T n-Dotriacontane (C32)	18.629	3112514	24.141 ug/mlm
19) T n-Tetratriacontane (C34)	19.416	2792251	24.472 ug/ml
20) T n-Hexatriacontane (C36)	20.156	2256236	23.330 ug/ml
21) T n-Octatriacontane (C38)	20.913	1938566	22.242 ug/mlm
22) T n-Tetracontane (C40)	21.867	1707972	20.788 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
Data File : FC070134.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 23:52
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

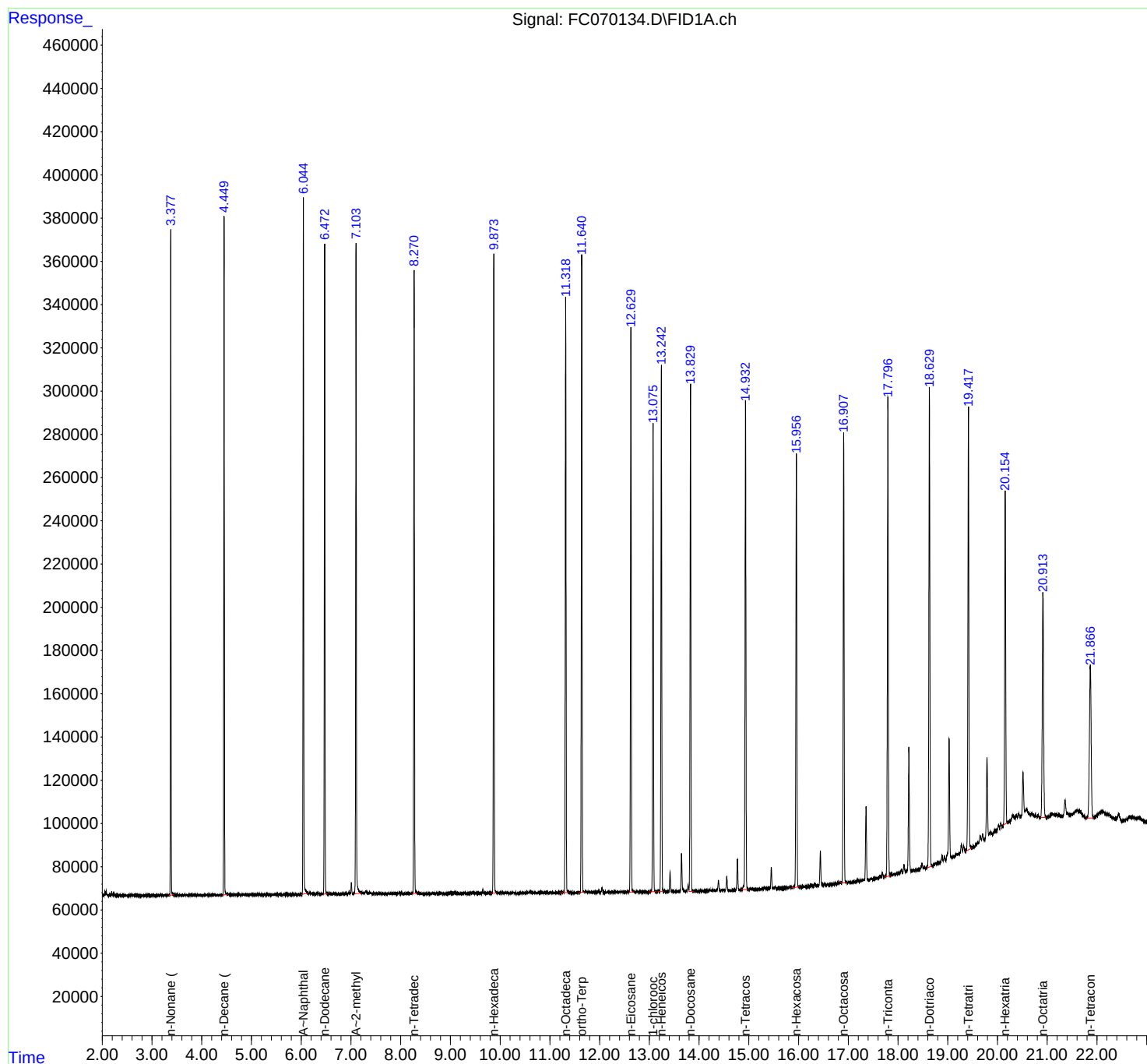
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Integration File: autoint1.e
Quant Time: Nov 04 03:34:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

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

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC11032
Data File : FC070134.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 23:52
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.378	3.342	3.435	BB	308191	2557472	78.24%	4.188%
2	4.449	4.417	4.515	BB	314129	2759276	84.41%	4.518%
3	6.044	6.007	6.135	BB	321481	3029776	92.69%	4.961%
4	6.472	6.434	6.530	BB	301016	2900645	88.74%	4.750%
5	7.103	7.062	7.219	BB	300876	2986085	91.35%	4.890%
6	8.271	8.235	8.339	BB	288180	2988868	91.44%	4.894%
7	9.873	9.810	9.942	BB	296146	3141825	96.11%	5.145%
8	11.318	11.200	11.372	BB	273418	3156514	96.56%	5.169%
9	11.640	11.574	11.702	BB	295584	3268831	100.00%	5.353%
10	12.629	12.590	12.692	BB	260213	2981907	91.22%	4.883%
11	13.075	12.994	13.134	BB	216189	2515907	76.97%	4.120%
12	13.242	13.174	13.285	BB	243029	2866901	87.70%	4.694%
13	13.829	13.797	13.892	VB	234759	2855037	87.34%	4.675%
14	14.934	14.845	14.994	BB	225798	2844875	87.03%	4.658%
15	15.957	15.867	16.015	BB	200463	2722716	83.29%	4.458%
16	16.908	16.830	16.970	BB	206911	2735644	83.69%	4.480%
17	17.797	17.714	17.847	PV	220879	3016035	92.27%	4.939%
18	18.629	18.570	18.680	M	221343	3078318	94.17%	5.041%
19	19.416	19.367	19.485	BV	203908	2792251	85.42%	4.572%
20	20.156	20.120	20.199	BV	152976	2256236	69.02%	3.695%
21	20.913	20.864	20.956	M	103552	1906652	58.33%	3.122%
22	21.867	21.777	21.937	BB	70870	1707972	52.25%	2.797%
Sum of corrected areas:							61069738	

Aliphatic EPH 100725.M Tue Nov 04 04:38:23 2025

Continuing Calibration Report for SequenceID : FE110425AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FE056654.D

Aliphatic C9-C12	11098223.000	60.000	3.225	6.852	184970.383	171162.641	-8.067
Aliphatic C12-C16	7577404.000	40.000	6.853	10.301	189435.100	178754.319	-5.975
Aliphatic C16-C21	11123159.000	60.000	10.302	13.678	185385.983	186505.496	0.600
Aliphatic C21-C28	14101140.000	80.000	13.679	17.350	176264.250	192766.144	8.561
Aliphatic C28-C40	18256460.000	120.000	17.351	22.304	152137.167	159314.647	4.505
Aliphatic EPH	62156386.000	360.000	3.225	22.304	172656.628	175414.751	1.572

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	04 Nov 2025 07:09
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056654.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.225	6.852	11098223.000	60.000	ug/ml
Aliphatic C12-C16	6.853	10.301	7577404.000	40.000	ug/ml
Aliphatic C16-C21	10.302	13.678	11123159.000	60.000	ug/ml
Aliphatic C21-C28	13.679	17.350	14101140.000	80.000	ug/ml
Aliphatic C28-C40	17.351	22.304	18256460.000	120.000	ug/ml
Aliphatic EPH	3.225	22.304	62156386.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110425AL\
 Data File : FE056654.D
 Signal(s) : FID1B.ch
 Acq On : 04 Nov 2025 07:09
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/05/2025
 Supervised By :Yogesh Patel 11/05/2025

Integration File: autoint1.e
 Quant Time: Nov 05 00:20:25 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)	11.973	4168945	19.955 ug/ml
Spiked Amount 50.000		Recovery =	39.91%
12) S 1-chlorooctadecane (S...	13.412	3131243	19.435 ug/ml
Spiked Amount 50.000		Recovery =	38.87%
Target Compounds			
1) T n-Nonane (C9)	3.325	3579322	21.310 ug/ml
2) T n-Decane (C10)	4.578	3714191	21.645 ug/ml
3) T A~Naphthalene (C11.7)	6.294	3856920	20.895 ug/ml
4) T n-Dodecane (C12)	6.752	3804710	21.875 ug/ml
5) T A~2-methylnaphthalene...	7.395	3679928	20.764 ug/ml
6) T n-Tetradecane (C14)	8.588	3740450	21.429 ug/ml
7) T n-Hexadecane (C16)	10.201	3836954	20.972 ug/ml
8) T n-Octadecane (C18)	11.650	3858418	20.386 ug/ml
10) T n-Eicosane (C20)	12.964	3675227	19.721 ug/ml
11) T n-Heneicosane (C21)	13.578	3589514	19.521 ug/ml
13) T n-Docosane (C22)	14.167	3568020	19.060 ug/ml
14) T n-Tetracosane (C24)	15.273	3592289	18.341 ug/ml
15) T n-Hexacosane (C26)	16.298	3506408	18.043 ug/ml
16) T n-Octacosane (C28)	17.250	3434423	17.734 ug/ml
17) T n-Tricontane (C30)	18.140	3509238	17.503 ug/ml
18) T n-Dotriacontane (C32)	18.976	3441416	17.500 ug/ml
19) T n-Tetratriacontane (C34)	19.762	3149299	18.245 ug/ml
20) T n-Hexatriacontane (C36)	20.503	2800505	19.360 ug/ml
21) T n-Octatriacontane (C38)	21.259	2682649	21.314 ug/ml
22) T n-Tetracontane (C40)	22.204	2673353	23.123 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110425AL\
Data File : FE056654.D
Signal(s) : FID1B.ch
Acq On : 04 Nov 2025 07:09
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

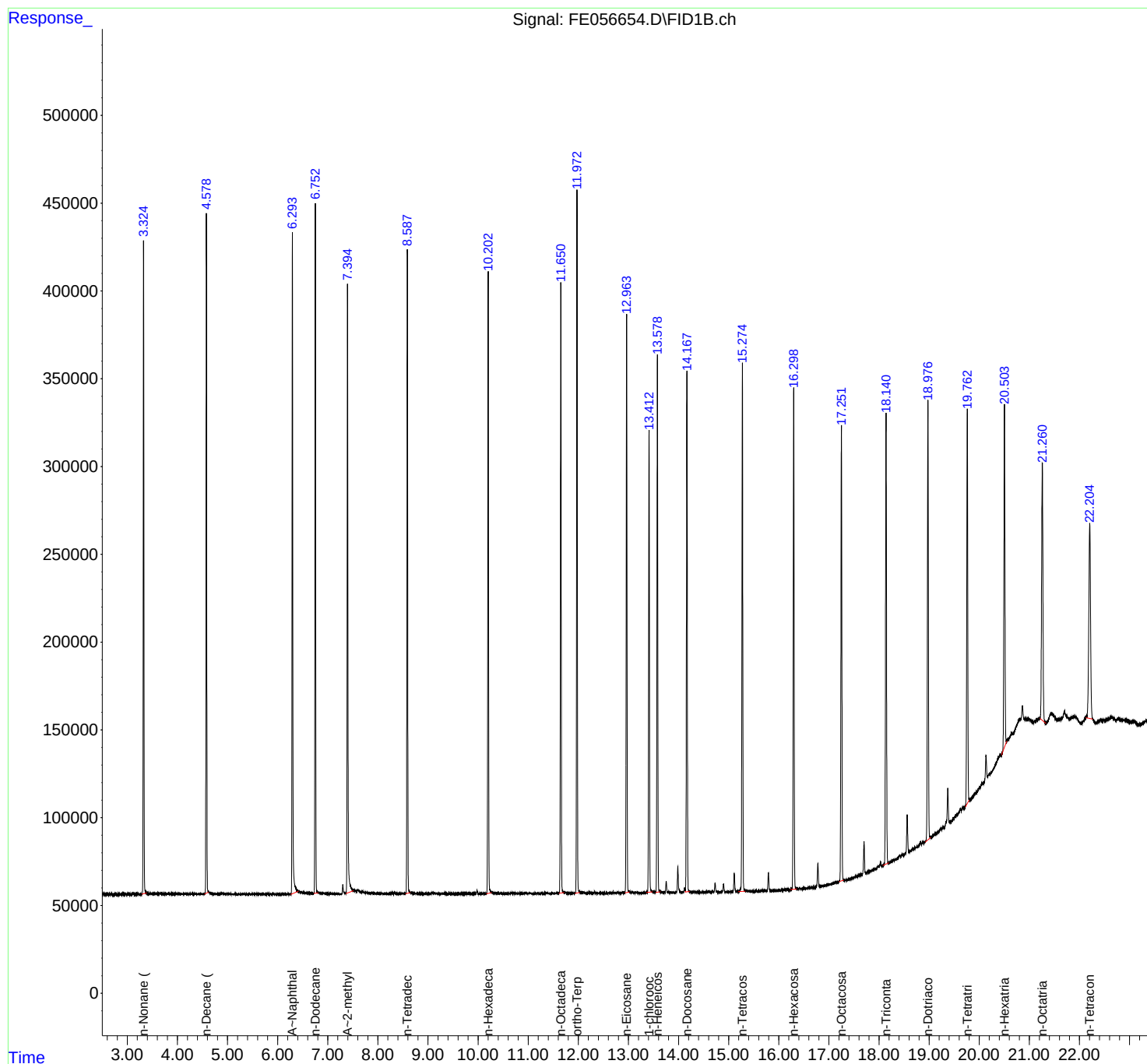
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/05/2025
Supervised By :Yogesh Patel 11/05/2025

Integration File: autoint1.e
Quant Time: Nov 05 00:20:25 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



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

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11042
Data File : FE056654.D
Signal(s) : FID1B.ch
Acq On : 04 Nov 2025 07:09
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Reviewed By :Rahul Chavli 11/05/2025
Supervised By :Yogesh Patel 11/05/2025

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	3.325	3.292	3.385	BB	370631	3579322	85.86%	4.629%
2	4.578	4.535	4.620	BBA	387598	3714191	89.09%	4.804%
3	6.294	6.259	6.410	BB	376670	3856920	92.52%	4.989%
4	6.752	6.719	6.809	BB	393155	3804710	91.26%	4.921%
5	7.395	7.359	7.515	BB	344847	3679928	88.27%	4.760%
6	8.588	8.554	8.649	BB	366868	3740450	89.72%	4.838%
7	10.201	10.167	10.272	BB	355439	3836954	92.04%	4.963%
8	11.650	11.610	11.715	BB	347716	3858418	92.55%	4.990%
9	11.973	11.929	12.034	BB	399774	4168945	100.00%	5.392%
10	12.964	12.927	13.020	BB	329887	3675227	88.16%	4.754%
11	13.412	13.354	13.485	BB	263197	3131243	75.11%	4.050%
12	13.578	13.540	13.632	BB	304660	3589514	86.10%	4.643%
13	14.167	14.135	14.217	VB	297002	3568020	85.59%	4.615%
14	15.273	15.190	15.334	BB	300699	3592289	86.17%	4.646%
15	16.298	16.229	16.360	BB	287023	3506408	84.11%	4.535%
16	17.250	17.200	17.300	BBA	258236	3434423	82.38%	4.442%
17	18.140	18.077	18.199	BB	257217	3509238	84.18%	4.539%
18	18.976	18.920	19.030	BB	248368	3441416	82.55%	4.451%
19	19.762	19.720	19.800	BBA	223517	3149299	75.54%	4.073%
20	20.503	20.450	20.550	BBA	195169	2800505	67.18%	3.622%
21	21.259	21.210	21.330	BB	146390	2682649	64.35%	3.470%
22	22.205	22.050	22.324	BB	113295	2995958	71.86%	3.875%
Sum of corrected areas:						77316026		

Aliphatic EPH 103025.M Wed Nov 05 01:11:14 2025

Continuing Calibration Report for SequenceID : FE110425AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FE056665.D

Aliphatic C9-C12	11040081.000	60.000	3.225	6.852	184001.350	171162.641	-7.501
Aliphatic C12-C16	7554488.000	40.000	6.853	10.301	188862.200	178754.319	-5.655
Aliphatic C16-C21	11058551.000	60.000	10.302	13.678	184309.183	186505.496	1.178
Aliphatic C21-C28	14002005.000	80.000	13.679	17.350	175025.063	192766.144	9.203
Aliphatic C28-C40	18423943.000	120.000	17.351	22.304	153532.858	159314.647	3.629
Aliphatic EPH	62079068.000	360.000	3.225	22.304	172441.856	175414.751	1.695

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	04 Nov 2025 13:21
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056665.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.225	6.852	11040081.000	60.000	ug/ml
Aliphatic C12-C16	6.853	10.301	7554488.000	40.000	ug/ml
Aliphatic C16-C21	10.302	13.678	11058551.000	60.000	ug/ml
Aliphatic C21-C28	13.679	17.350	14002005.000	80.000	ug/ml
Aliphatic C28-C40	17.351	22.304	18423943.000	120.000	ug/ml
Aliphatic EPH	3.225	22.304	62079068.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110425AL\
 Data File : FE056665.D
 Signal(s) : FID1B.ch
 Acq On : 04 Nov 2025 13:21
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Nov 05 00:21:45 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)	11.970	4124917	19.745 ug/ml
Spiked Amount 50.000		Recovery =	39.49%
12) S 1-chlorooctadecane (S...	13.409	3103858	19.265 ug/ml
Spiked Amount 50.000		Recovery =	38.53%
Target Compounds			
1) T n-Nonane (C9)	3.323	3558472	21.186 ug/ml
2) T n-Decane (C10)	4.577	3691434	21.513 ug/ml
3) T A~Naphthalene (C11.7)	6.292	3840872	20.808 ug/ml
4) T n-Dodecane (C12)	6.750	3790175	21.791 ug/ml
5) T A~2-methylnaphthalene...	7.393	3662175	20.664 ug/ml
6) T n-Tetradecane (C14)	8.585	3730999	21.375 ug/ml
7) T n-Hexadecane (C16)	10.199	3823489	20.898 ug/ml
8) T n-Octadecane (C18)	11.648	3843371	20.306 ug/ml
10) T n-Eicosane (C20)	12.962	3653640	19.605 ug/ml
11) T n-Heneicosane (C21)	13.576	3561540	19.369 ug/ml
13) T n-Docosane (C22)	14.164	3540520	18.913 ug/ml
14) T n-Tetracosane (C24)	15.271	3561857	18.185 ug/ml
15) T n-Hexacosane (C26)	16.296	3480455	17.909 ug/ml
16) T n-Octacosane (C28)	17.248	3419173	17.655 ug/ml
17) T n-Tricontane (C30)	18.139	3503617	17.475 ug/ml
18) T n-Dotriacontane (C32)	18.973	3451287	17.550 ug/ml
19) T n-Tetratriacontane (C34)	19.760	3164129	18.331 ug/ml
20) T n-Hexatriacontane (C36)	20.501	2825186	19.530 ug/ml
21) T n-Octatriacontane (C38)	21.254	2679429	21.289 ug/ml
22) T n-Tetracontane (C40)	22.200	2800295	24.221 ug/ml

(f)=RT Delta > 1/2 Window

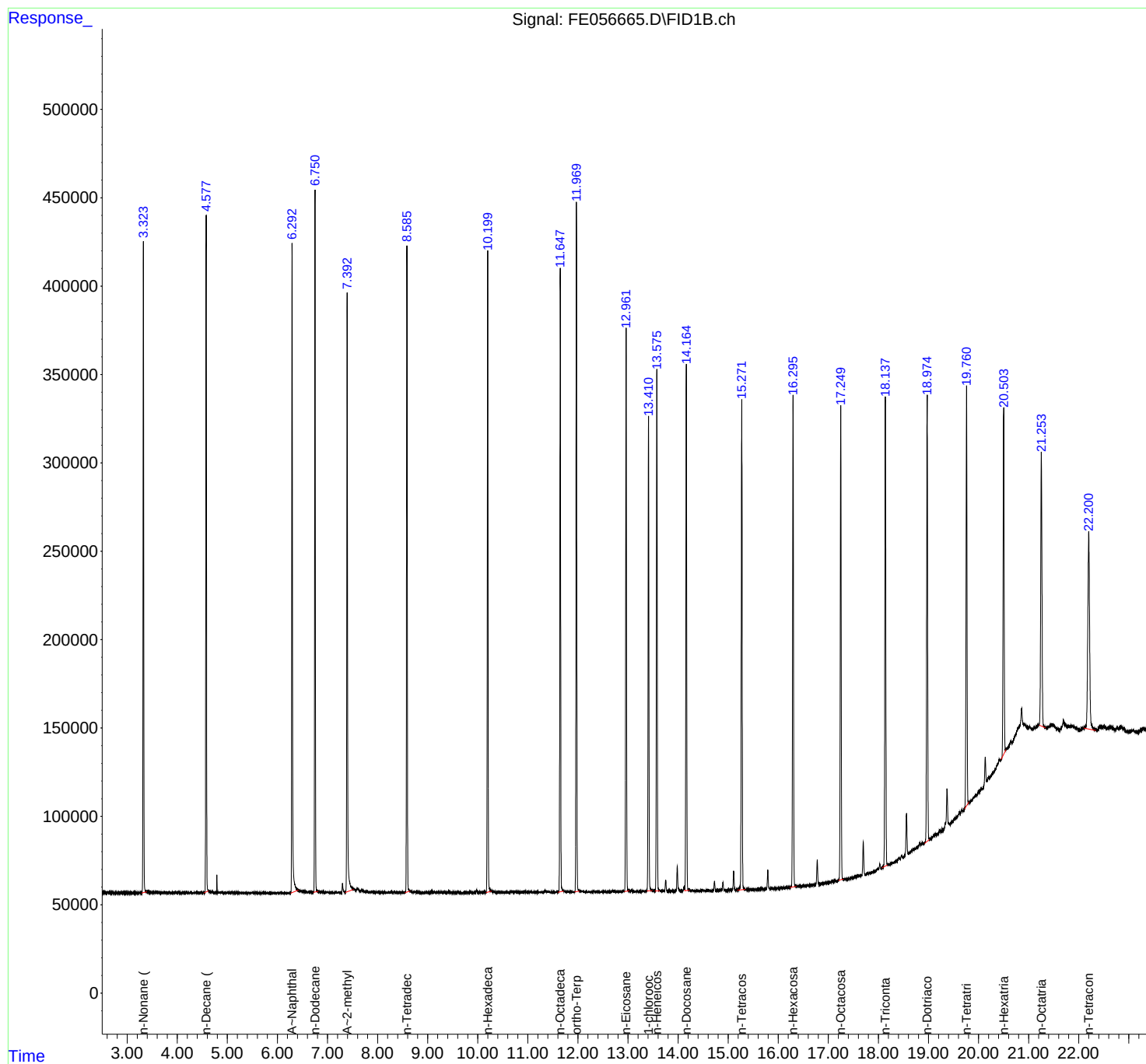
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110425AL\
Data File : FE056665.D
Signal(s) : FID1B.ch
Acq On : 04 Nov 2025 13:21
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Nov 05 00:21:45 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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110425AL\
Data File : FE056665.D
Signal(s) : FID1B.ch
Acq On : 04 Nov 2025 13:21
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 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	3.323	3.290	3.387	BB	367865	3558472	86.27%	4.633%
2	4.577	4.534	4.620	BBA	384215	3691434	89.49%	4.806%
3	6.292	6.262	6.414	BB	366971	3840872	93.11%	5.000%
4	6.750	6.714	6.810	BB	397502	3790175	91.88%	4.934%
5	7.393	7.355	7.522	BB	338917	3662175	88.78%	4.768%
6	8.585	8.549	8.647	BB	365466	3730999	90.45%	4.857%
7	10.199	10.164	10.270	BB	362675	3823489	92.69%	4.978%
8	11.648	11.605	11.715	BB	353436	3843371	93.17%	5.004%
9	11.970	11.934	12.030	BB	390367	4124917	100.00%	5.370%
10	12.962	12.925	13.024	BB	318824	3653640	88.57%	4.757%
11	13.409	13.374	13.484	BB	266087	3103858	75.25%	4.041%
12	13.576	13.539	13.635	BB	295759	3561540	86.34%	4.637%
13	14.164	14.134	14.222	VB	297325	3540520	85.83%	4.609%
14	15.271	15.187	15.335	BB	275102	3561857	86.35%	4.637%
15	16.296	16.229	16.359	BB	277362	3480455	84.38%	4.531%
16	17.248	17.200	17.300	BBA	268526	3419173	82.89%	4.451%
17	18.139	18.075	18.182	BB	263477	3503617	84.94%	4.561%
18	18.973	18.920	19.020	BB	252500	3451287	83.67%	4.493%
19	19.760	19.720	19.800	BBA	237984	3164129	76.71%	4.119%
20	20.501	20.450	20.550	BBA	193876	2825186	68.49%	3.678%
21	21.254	21.210	21.335	BB	154444	2679429	64.96%	3.488%
22	22.200	22.102	22.337	BB	112021	2800295	67.89%	3.646%
Sum of corrected areas:							76810889	

Aliphatic EPH 103025.M Wed Nov 05 01:12:01 2025



QC SAMPLE DATA

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	
Project:	7 Rynda Road, Maplewood		Date Received:	
Client Sample ID:	PB170385BL		SDG No.:	Q3474
Lab Sample ID:	PB170385BL		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date : 11/03/25		

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

TARGETS

Total EPH	Total EPH	0.91	U		0.91	3.99	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	
Project:	7 Rynda Road, Maplewood		Date Received:	
Client Sample ID:	PB170385BL		SDG No.:	Q3474
Lab Sample ID:	PB170385BL		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date : 11/03/25		

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

TARGETS

Total EPH	Total EPH	0.91	U		0.91	3.99	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	
Project:	7 Rynda Road, Maplewood		Date Received:	
Client Sample ID:	PB170385BL		SDG No.:	Q3474
Lab Sample ID:	PB170385BL		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL	Test:
Prep Method :		Prep Date	11/03/25	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	3.99	mg/kg	11/03/25	PB170385
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	11/03/25	PB170385
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	31.3			40 - 140	63%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	33.1			40 - 140	66%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170385BL	Acq On:	03 Nov 2025 15:33
Client Sample ID:	PB170385BL	Operator:	YP/AJ
Data file:	FC070123.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.571	0	0	300	ug/ml
Aliphatic C12-C16	6.572	9.972	0	0	200	ug/ml
Aliphatic C16-C21	9.973	13.339	0	0	300	ug/ml
Aliphatic C21-C28	13.340	17.004	0	0	400	ug/ml
Aliphatic C28-C40	17.005	21.958	0	0	600	ug/ml
Aliphatic EPH	3.277	21.958	0	0		ug/ml
ortho-Terphenyl (SURR)	11.640	11.640	5809841	33.09		ug/ml
1-chlorooctadecane (SURR)	13.075	13.075	4253378	31.33		ug/ml
Aliphatic C9-C28	3.277	17.004	0	0	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
 Data File : FC070123.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2025 15:33
 Operator : YP/AJ
 Sample : PB170385BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB170385BL

Integration File: autoint1.e
 Quant Time: Nov 04 03:28:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 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)	11.640	5809841	33.085 ug/ml
Spiked Amount 50.000		Recovery =	66.17%
12) S 1-chlorooctadecane (S...	13.075	4253378	31.334 ug/ml
Spiked Amount 50.000		Recovery =	62.67%

Target Compounds

(f)=RT Delta > 1/2 Window

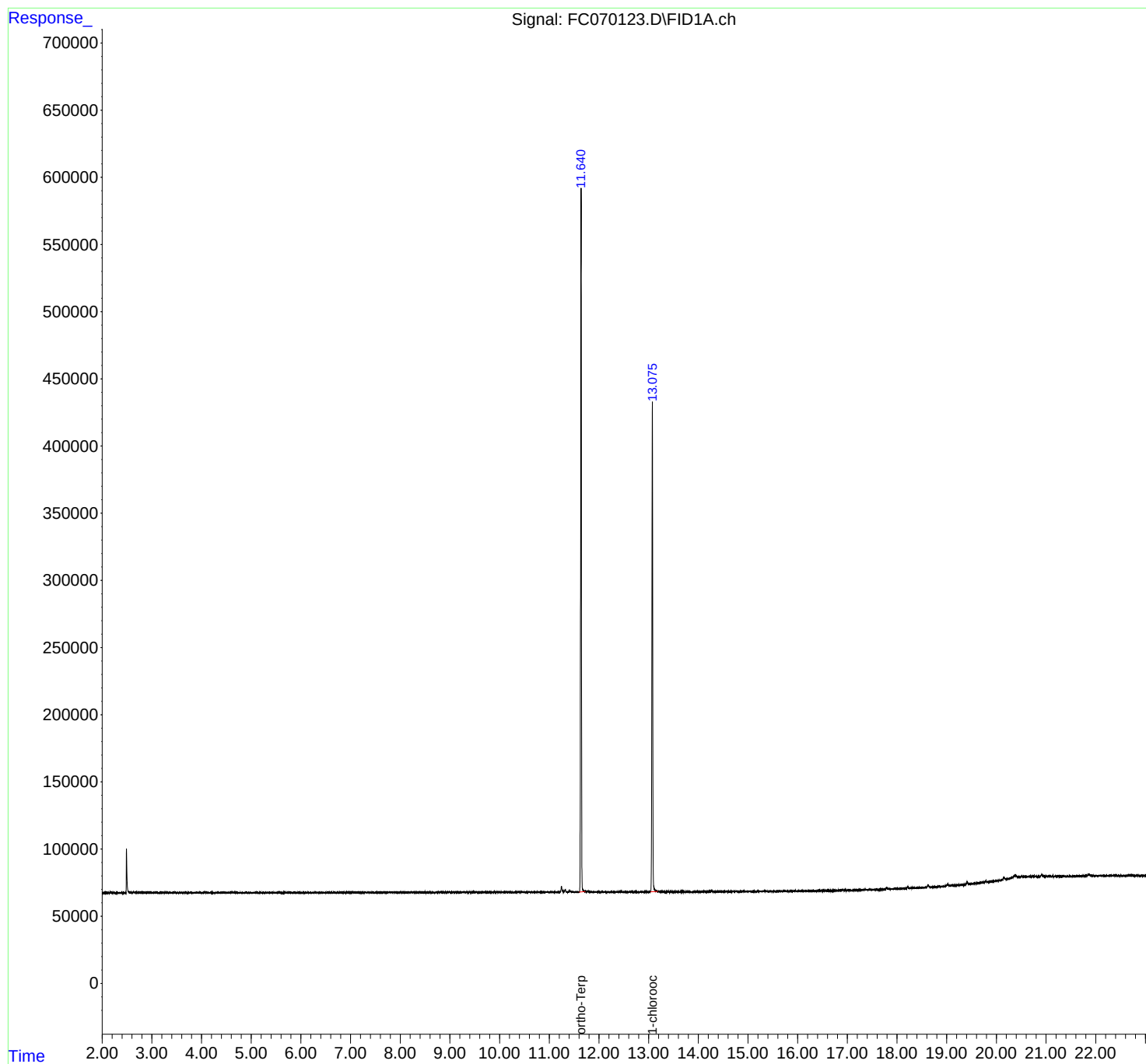
(m)=manual int.

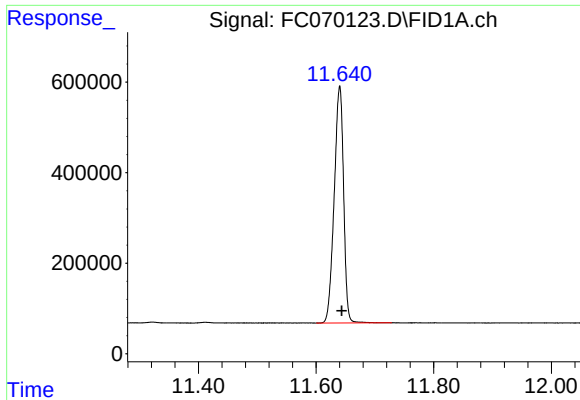
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
Data File : FC070123.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 15:33
Operator : YP/AJ
Sample : PB170385BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB170385BL

Integration File: autoint1.e
Quant Time: Nov 04 03:28:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

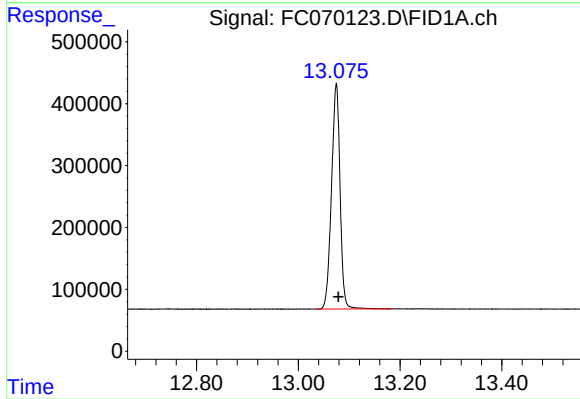




#9 ortho-Terphenyl (SURR)

R.T.: 11.640 min
Delta R.T.: -0.004 min
Response: 5809841
Conc: 33.09 ug/ml

Instrument :
FID_C
ClientSampleId :
PB170385BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.075 min
Delta R.T.: -0.004 min
Response: 4253378
Conc: 31.33 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
Data File : FC070123.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 15:33
Sample : PB170385BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	11.640	11.600	11.729	BB	524679	5809841	100.00%	57.733%
2	13.075	13.035	13.184	BB	365464	4253378	73.21%	42.267%
Sum of corrected areas:							10063218	

Aliphatic EPH 100725.M Tue Nov 04 04:34:24 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	
Project:	7 Rynda Road, Maplewood		Date Received:	
Client Sample ID:	PB170385BS		SDG No.:	Q3474
Lab Sample ID:	PB170385BS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date : 11/03/25		

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

TARGETS

Total EPH	Total EPH	57.2			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:	7 Rynda Road, Maplewood		Date Received:	
Client Sample ID:	PB170385BS		SDG No.:	Q3474
Lab Sample ID:	PB170385BS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date : 11/03/25		

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

TARGETS

Total EPH	Total EPH	57.2			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:	7 Rynda Road, Maplewood		Date Received:	
Client Sample ID:	PB170385BS		SDG No.:	Q3474
Lab Sample ID:	PB170385BS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL	Test:
Prep Method :		Prep Date	11/03/25	EPH_F2

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	57.2	1		0.91	4.00	mg/kg	11/03/25	PB170385
Aliphatic C28-C40	Aliphatic C28-C40	20.3	1		1.18	2.00	mg/kg	11/03/25	PB170385
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	33.9			40 - 140	68%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	33.0			40 - 140	66%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170385BS	Acq On:	03 Nov 2025 16:15
Client Sample ID:	PB170385BS	Operator:	YP/AJ
Data file:	FC070124.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.571	25739379	177.776	300	ug/ml
Aliphatic C12-C16	6.572	9.972	32143667	196.258	200	ug/ml
Aliphatic C16-C21	9.973	13.339	34577027	213.51	300	ug/ml
Aliphatic C21-C28	13.340	17.004	39915049	271.268	400	ug/ml
Aliphatic C28-C40	17.005	21.958	32762879	304.488	600	ug/ml
Aliphatic EPH	3.277	21.958	165138001	1160		ug/ml
ortho-Terphenyl (SURR)	11.641	11.641	5796301	33.01		ug/ml
1-chlorooctadecane (SURR)	13.075	13.075	4603159	33.91		ug/ml
Aliphatic C9-C28	3.277	17.004	132375122	858.812	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
 Data File : FC070124.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2025 16:15
 Operator : YP/AJ
 Sample : PB170385BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB170385BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/04/2025
 Supervised By :Yogesh Patel 11/04/2025

Integration File: autoint1.e
 Quant Time: Nov 04 03:29:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 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)	11.641	5796301	33.008 ug/ml
Spiked Amount 50.000		Recovery =	66.02%
12) S 1-chlorooctadecane (S...	13.075	4603159	33.911 ug/ml
Spiked Amount 50.000		Recovery =	67.82%
Target Compounds			
1) T n-Nonane (C9)	3.392	4557214	33.187 ug/ml
2) T n-Decane (C10)	4.456	4846664	33.713 ug/ml
3) T A~Naphthalene (C11.7)	6.045	5738937	35.510 ug/ml
4) T n-Dodecane (C12)	6.473	5105776	33.311 ug/ml
5) T A~2-methylnaphthalene...	7.103	5265926	33.005 ug/ml
6) T n-Tetradecane (C14)	8.271	5125730	32.228 ug/ml
7) T n-Hexadecane (C16)	9.873	5154547	30.587 ug/ml
8) T n-Octadecane (C18)	11.317	5056170	29.720 ug/ml
10) T n-Eicosane (C20)	12.629	5052274	31.491 ug/ml
11) T n-Heneicosane (C21)	13.241	4776817	30.764 ug/ml
13) T n-Docosane (C22)	13.828	4665480	30.316 ug/ml
14) T n-Tetracosane (C24)	14.927	9059239	59.746 ug/ml
15) T n-Hexacosane (C26)	15.956	4304689	29.741 ug/ml
16) T n-Octacosane (C28)	16.906	4201801	30.381 ug/mlm
17) T n-Tricontane (C30)	17.795	4135977	30.293 ug/ml
18) T n-Dotriacontane (C32)	18.629	4018820	31.170 ug/mlm
19) T n-Tetratriacontane (C34)	19.413	3990861	34.977 ug/ml
20) T n-Hexatriacontane (C36)	20.151	3431329	35.480 ug/mlm
21) T n-Octatriacontane (C38)	20.913	2801744	32.145 ug/mlm
22) T n-Tetracontane (C40)	21.861	2105431	25.625 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
Data File : FC070124.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 16:15
Operator : YP/AJ
Sample : PB170385BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

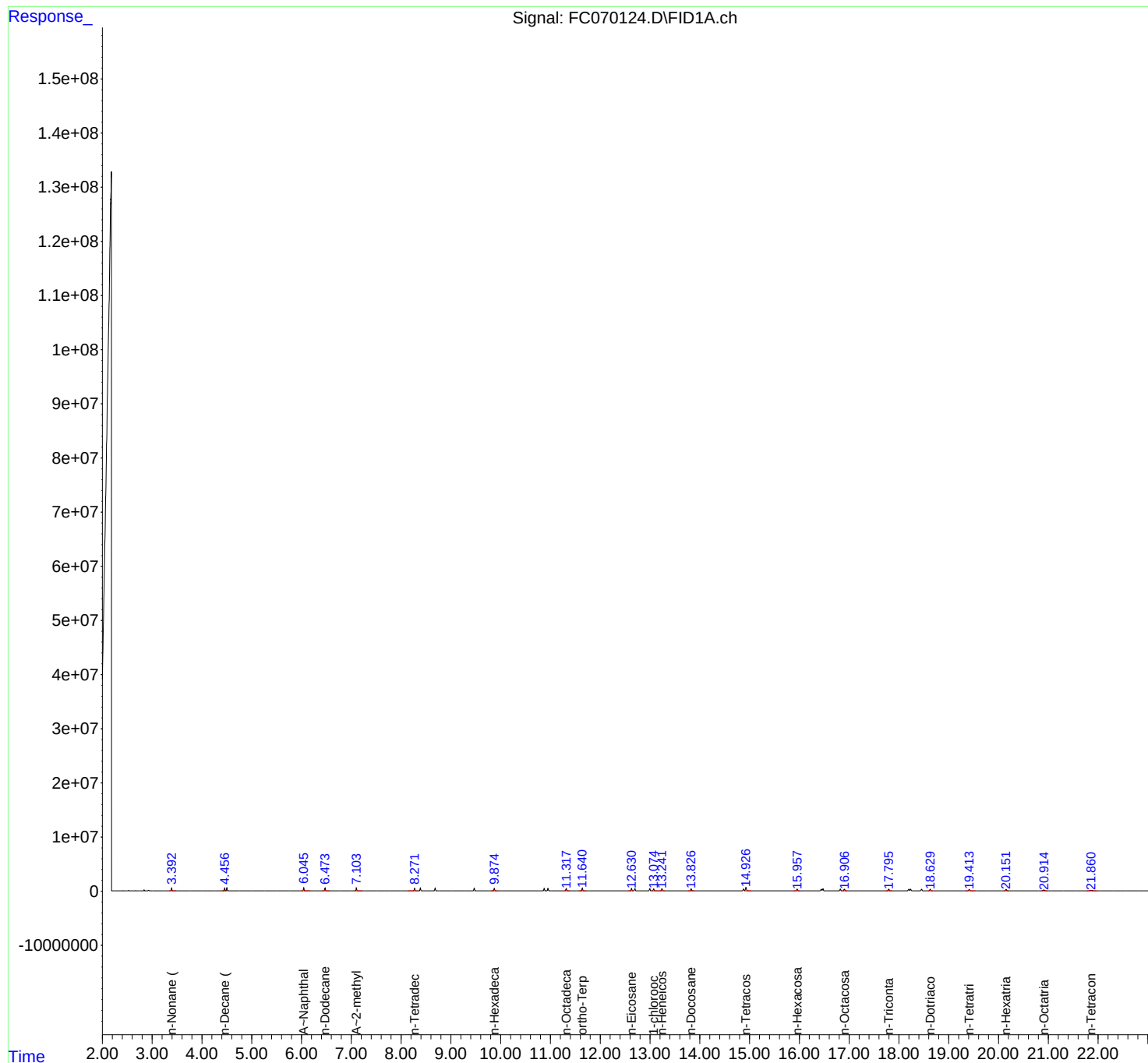
Instrument :
FID_C
ClientSampleId :
PB170385BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Integration File: autoint1.e
Quant Time: Nov 04 03:29:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_C

ClientSampleId :

PB170385BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC11032
Data File : FC070124.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 16:15
Sample : PB170385BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.392	3.342	3.485	BB	552113	4557214	50.30%	2.596%
2	4.456	4.398	4.479	BV	556155	4846664	53.50%	2.761%
3	4.501	4.479	4.547	VV	616152	5490788	60.61%	3.128%
4	6.045	5.993	6.173	BB	599312	5738937	63.35%	3.269%
5	6.473	6.415	6.567	BB	525373	5105776	56.36%	2.909%
6	7.103	7.062	7.222	BV	520601	5265926	58.13%	3.000%
7	8.271	8.138	8.338	BB	496327	5125730	56.58%	2.920%
8	8.387	8.347	8.487	BB	549670	5537283	61.12%	3.154%
9	8.684	8.622	8.787	BB	533150	5581425	61.61%	3.180%
10	9.470	9.412	9.578	BB	521457	5478756	60.48%	3.121%
11	9.873	9.807	9.935	BB	476022	5154547	56.90%	2.936%
12	10.875	10.793	10.919	BV	476417	5095547	56.25%	2.903%
13	10.951	10.919	11.092	VB	437864	4973839	54.90%	2.833%
14	11.317	11.277	11.387	PV	444083	5056170	55.81%	2.880%
15	11.641	11.570	11.718	BB	528569	5796301	63.98%	3.302%
16	12.629	12.562	12.663	BV	432452	5052274	55.77%	2.878%
17	12.698	12.663	12.792	VB	420791	4848424	53.52%	2.762%
18	12.997	12.928	13.035	BV	411366	4773956	52.70%	2.720%
19	13.075	13.035	13.148	VB	382242	4603159	50.81%	2.622%
20	13.241	13.175	13.302	BB	400071	4776817	52.73%	2.721%
21	13.828	13.760	13.892	BB	377367	4665480	51.50%	2.658%
22	14.880	14.815	14.900	BV	354635	4459818	49.23%	2.541%
23	14.927	14.900	15.032	VB	651922	9059239	100.00%	5.161%
24	15.956	15.885	16.012	BB	331195	4304689	47.52%	2.452%
25	16.442	16.373	16.458	BV	310141	4456066	49.19%	2.539%
26	16.476	16.458	16.573	VB	394593	4523106	49.93%	2.577%
27	16.825	16.785	16.869	M	328109	4246604	46.88%	2.419%
28	16.906	16.873	16.973	M	307699	4200047	46.36%	2.393%
29	17.795	17.730	17.868	BB	290336	4135977	45.65%	2.356%
30	18.199	18.130	18.215	BV	290759	4131764	45.61%	2.354%
31	18.236	18.215	18.377	VB	297294	3994134	44.09%	2.275%
32	18.456	18.382	18.578	BV	297728	4106931	45.33%	2.340%
33	18.629	18.585	18.703	M	292103	4018367	44.36%	2.289%
34	19.413	19.337	19.538	BB	260773	3990861	44.05%	2.274%
35	20.151	20.108	20.245	M	237958	3484220	38.46%	1.985%
36	20.914	20.851	20.985	M	147234	2795194	30.85%	1.592%

37 21.861 21.770 21.975 BB 85789 2105431 23.24% 1.199%
Sum of corrected areas: 1755

Aliphatic EPH 100725.M Tue Nov 04 04:35:36 2025

Instrument :

FID_C

ClientSampleId :

PB170385BS

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/04/2025

Supervised By :Yogesh Patel 11/04/2025

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	
Project:	7 Rynda Road, Maplewood		Date Received:	
Client Sample ID:	PB170385BSD		SDG No.:	Q3474
Lab Sample ID:	PB170385BSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date : 11/03/25		

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

TARGETS

Total EPH	Total EPH	57.3			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:	7 Rynda Road, Maplewood		Date Received:	
Client Sample ID:	PB170385BSD		SDG No.:	Q3474
Lab Sample ID:	PB170385BSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date : 11/03/25		

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

TARGETS

Total EPH	Total EPH	57.3			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:	7 Rynda Road, Maplewood		Date Received:	
Client Sample ID:	PB170385BSD		SDG No.:	Q3474
Lab Sample ID:	PB170385BSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL	Test:
Prep Method :		Prep Date	11/03/25	EPH_F2

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	57.3	1		0.91	3.99	mg/kg	11/03/25	PB170385
Aliphatic C28-C40	Aliphatic C28-C40	20.7	1		1.18	2.00	mg/kg	11/03/25	PB170385
SURROGATES									
3383-33-2	1-chlorooctadecane (SURRE)	33.9			40 - 140	68%	SPK: 50		
84-15-1	ortho-Terphenyl (SURRE)	32.8			40 - 140	66%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170385BSD	Acq On:	03 Nov 2025 16:56
Client Sample ID:	PB170385BSD	Operator:	YP/AJ
Data file:	FC070125.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.571	25855977	178.582	300	ug/ml
Aliphatic C12-C16	6.572	9.972	32099749	195.99	200	ug/ml
Aliphatic C16-C21	9.973	13.339	34373982	212.256	300	ug/ml
Aliphatic C21-C28	13.340	17.004	40104849	272.558	400	ug/ml
Aliphatic C28-C40	17.005	21.958	33460441	310.971	600	ug/ml
Aliphatic EPH	3.277	21.958	165894998	1170		ug/ml
ortho-Terphenyl (SURR)	11.640	11.640	5754284	32.77		ug/ml
1-chlorooctadecane (SURR)	13.074	13.074	4601181	33.9		ug/ml
Aliphatic C9-C28	3.277	17.004	132434557	859.386	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
 Data File : FC070125.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2025 16:56
 Operator : YP/AJ
 Sample : PB170385BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB170385BSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/04/2025
 Supervised By :Yogesh Patel 11/04/2025

Integration File: autoint1.e
 Quant Time: Nov 04 03:29:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 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)	11.640	5754284	32.769 ug/ml
Spiked Amount 50.000		Recovery =	65.54%
12) S 1-chlorooctadecane (S...	13.074	4601181	33.896 ug/ml
Spiked Amount 50.000		Recovery =	67.79%
Target Compounds			
1) T n-Nonane (C9)	3.394	4608664	33.562 ug/ml
2) T n-Decane (C10)	4.458	4889214	34.009 ug/ml
3) T A~Naphthalene (C11.7)	6.046	5721102	35.399 ug/ml
4) T n-Dodecane (C12)	6.474	5134996	33.502 ug/ml
5) T A~2-methylnaphthalene...	7.103	5250792	32.910 ug/ml
6) T n-Tetradecane (C14)	8.271	5146925	32.362 ug/ml
7) T n-Hexadecane (C16)	9.873	5176708	30.718 ug/ml
8) T n-Octadecane (C18)	11.317	5080716	29.864 ug/ml
10) T n-Eicosane (C20)	12.629	5072037	31.615 ug/ml
11) T n-Heneicosane (C21)	13.240	4788139	30.837 ug/ml
13) T n-Docosane (C22)	13.828	4665364	30.315 ug/ml
14) T n-Tetracosane (C24)	14.927	9069774	59.815 ug/ml
15) T n-Hexacosane (C26)	15.955	4281854	29.583 ug/ml
16) T n-Octacosane (C28)	16.904	4157609	30.061 ug/mlm
17) T n-Tricontane (C30)	17.795	4125598	30.217 ug/ml
18) T n-Dotriacontane (C32)	18.627	4044524	31.369 ug/mlm
19) T n-Tetratriacontane (C34)	19.412	4038319	35.393 ug/ml
20) T n-Hexatriacontane (C36)	20.155	3502305	36.214 ug/mlm
21) T n-Octatriacontane (C38)	20.910	2845227	32.644 ug/mlm
22) T n-Tetracontane (C40)	21.860	2140237	26.049 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
Data File : FC070125.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 16:56
Operator : YP/AJ
Sample : PB170385BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

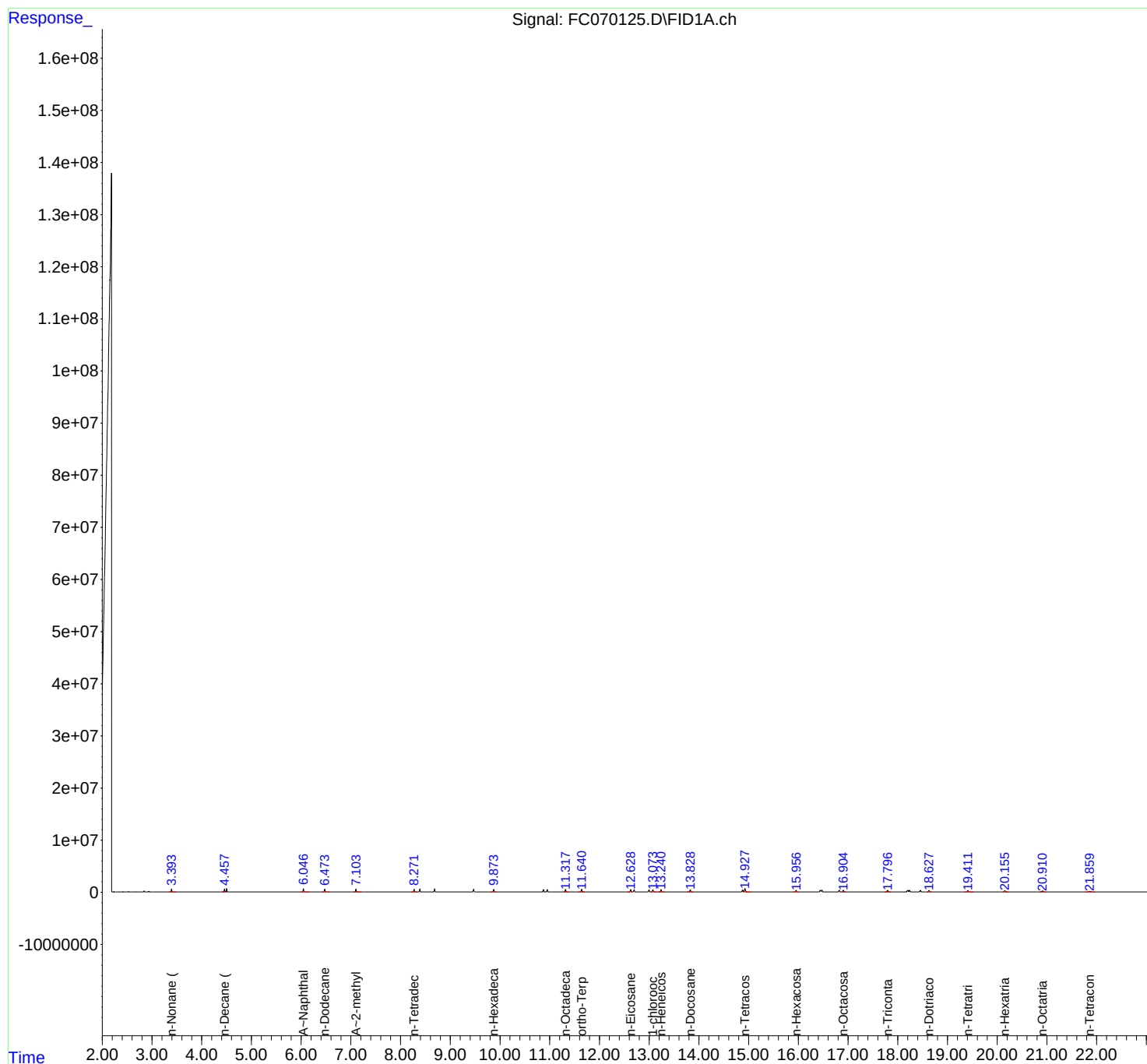
Instrument :
FID_C
ClientSampleId :
PB170385BSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Integration File: autoint1.e
Quant Time: Nov 04 03:29:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_C

ClientSampleId :

PB170385BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/04/2025

Supervised By :Yogesh Patel 11/04/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC11032
Data File : FC070125.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 16:56
Sample : PB170385BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.394	3.335	3.497	BB	542957	4608664	50.81%	2.615%
2	4.458	4.402	4.480	BV	551954	4889214	53.91%	2.774%
3	4.502	4.480	4.547	VV	629404	5502001	60.66%	3.122%
4	6.046	5.987	6.162	BB	603179	5721102	63.08%	3.246%
5	6.474	6.417	6.572	BB	521574	5134996	56.62%	2.913%
6	7.103	7.057	7.220	BV	519115	5250792	57.89%	2.979%
7	8.271	8.204	8.340	BB	498348	5146925	56.75%	2.920%
8	8.387	8.349	8.490	BB	555926	5519145	60.85%	3.131%
9	8.684	8.625	8.795	BB	547848	5555637	61.25%	3.152%
10	9.469	9.409	9.584	BB	503655	5450542	60.10%	3.092%
11	9.873	9.812	9.929	BB	481144	5176708	57.08%	2.937%
12	10.875	10.795	10.922	BV	457659	5044126	55.61%	2.862%
13	10.951	10.922	11.069	VB	440530	4897346	54.00%	2.779%
14	11.317	11.277	11.387	PV	446019	5080716	56.02%	2.883%
15	11.640	11.570	11.709	BB	510825	5754284	63.44%	3.265%
16	12.629	12.560	12.661	BV	442070	5072037	55.92%	2.878%
17	12.697	12.661	12.795	VB	414514	4789116	52.80%	2.717%
18	12.997	12.930	13.034	BV	401903	4702502	51.85%	2.668%
19	13.074	13.034	13.144	VB	388134	4601181	50.73%	2.611%
20	13.240	13.174	13.309	BB	404845	4788139	52.79%	2.717%
21	13.828	13.759	13.892	BB	394706	4665364	51.44%	2.647%
22	14.880	14.815	14.899	BV	355652	4465428	49.23%	2.534%
23	14.927	14.899	15.049	VB	642514	9069774	100.00%	5.146%
24	15.955	15.892	16.004	BB	323118	4281854	47.21%	2.429%
25	16.441	16.367	16.457	BV	326219	4465095	49.23%	2.533%
26	16.476	16.457	16.574	VB	371440	4599282	50.71%	2.610%
27	16.824	16.771	16.868	M	336119	4344265	47.90%	2.465%
28	16.904	16.871	16.985	M	314430	4213787	46.46%	2.391%
29	17.795	17.734	17.865	BB	294186	4125598	45.49%	2.341%
30	18.199	18.125	18.215	BV	299211	4289881	47.30%	2.434%
31	18.236	18.215	18.394	VB	309107	4254110	46.90%	2.414%
32	18.456	18.394	18.580	BV	286841	4208392	46.40%	2.388%
33	18.627	18.586	18.682	M	287108	4043221	44.58%	2.294%
34	19.412	19.337	19.534	BB	267101	4038319	44.53%	2.291%
35	20.155	20.110	20.224	M	239917	3521403	38.83%	1.998%
36	20.910	20.858	20.974	M	153346	2839280	31.30%	1.611%

Instrument :
FID_C
ClientSampleId :
PB170385BSD

37 21.860 21.772 21.970 BB 86910 2140237 23.60% 1.214%
Sum of corrected areas: 1762

Manual IntegrationsAPPROVED

Aliphatic EPH 100725.M Tue Nov 04 04:37:02 2025

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	
Project:	7 Rynda Road, Maplewood		Date Received:	
Client Sample ID:	5MS		SDG No.:	Q3474
Lab Sample ID:	Q3474-07MS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	85.9
Sample Wt/Vol:	30.06 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date : 11/03/25		

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

TARGETS

Total EPH	Total EPH	81.7			1.06	4.64	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:	7 Rynda Road, Maplewood		Date Received:	
Client Sample ID:	5MS		SDG No.:	Q3474
Lab Sample ID:	Q3474-07MS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	85.9
Sample Wt/Vol:	30.06 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date : 11/03/25		

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

TARGETS

Total EPH	Total EPH	81.7			1.06	4.64	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:	7 Rynda Road, Maplewood		Date Received:	
Client Sample ID:	5MS		SDG No.:	Q3474
Lab Sample ID:	Q3474-07MS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	85.9
Sample Wt/Vol:	30.06 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	81.7		1	1.06	4.64	mg/kg	11/03/25	PB170385
Aliphatic C28-C40	Aliphatic C28-C40	70.3	E	1	1.37	2.32	mg/kg	11/03/25	PB170385
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	20.5			40 - 140	41%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	18.9			40 - 140	38%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3474-07MS	Acq On:	03 Nov 2025 21:08
Client Sample ID:	Q3474-07MS	Operator:	YP/AJ
Data file:	FC070131.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.571	27698835	191.31	300	ug/ml
Aliphatic C12-C16	6.572	9.972	36039758	220.047	200	ug/ml
Aliphatic C16-C21	9.973	13.339	46630735	287.941	300	ug/ml
Aliphatic C21-C28	13.340	17.004	52478333	356.65	400	ug/ml
Aliphatic C28-C40	17.005	21.958	97645139	907.484	600	ug/ml
Aliphatic EPH	3.277	21.958	260492800	1960		ug/ml
ortho-Terphenyl (SURR)	11.640	11.640	3318116	18.9		ug/ml
1-chlorooctadecane (SURR)	13.076	13.076	2782207	20.5		ug/ml
Aliphatic C9-C28	3.277	17.004	162847661	1060	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
 Data File : FC070131.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2025 21:08
 Operator : YP/AJ
 Sample : Q3474-07MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 SMS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/04/2025
 Supervised By :Yogesh Patel 11/04/2025

Integration File: autoint1.e
 Quant Time: Nov 04 03:32:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 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)	11.640	3318116	18.896 ug/ml
Spiked Amount 50.000		Recovery =	37.79%
12) S 1-chlorooctadecane (S...	13.076	2782207	20.496 ug/ml
Spiked Amount 50.000		Recovery =	40.99%
Target Compounds			
1) T n-Nonane (C9)	3.394	4577880	33.338 ug/ml
2) T n-Decane (C10)	4.459	4852420	33.753 ug/ml
3) T A~Naphthalene (C11.7)	6.049	6121722	37.878 ug/ml
4) T n-Dodecane (C12)	6.475	5151722	33.611 ug/ml
5) T A~2-methylnaphthalene...	7.106	5538455	34.713 ug/ml
6) T n-Tetradecane (C14)	8.273	5255412	33.044 ug/ml
7) T n-Hexadecane (C16)	9.875	5238506	31.085 ug/ml
8) T n-Octadecane (C18)	11.319	5185293	30.479 ug/ml
10) T n-Eicosane (C20)	12.631	5081436	31.673 ug/ml
11) T n-Heneicosane (C21)	13.243	5005451	32.236 ug/ml
13) T n-Docosane (C22)	13.830	4939764	32.098 ug/ml
14) T n-Tetracosane (C24)	14.932	10225162	67.435 ug/ml
15) T n-Hexacosane (C26)	15.961	4475545	30.921 ug/ml
16) T n-Octacosane (C28)	16.910	4487846	32.449 ug/mlm
17) T n-Tricontane (C30)	17.801	4268916	31.266 ug/ml
18) T n-Dotriacontane (C32)	18.632	4309264	33.422 ug/mlm
19) T n-Tetratriacontane (C34)	19.418	4136740	36.256 ug/ml
20) T n-Hexatriacontane (C36)	20.157	3754063	38.817 ug/mlm
21) T n-Octatriacontane (C38)	20.918	3709703	42.563 ug/mlm
22) T n-Tetracontane (C40)	21.871	3901482	47.485 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
Data File : FC070131.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 21:08
Operator : YP/AJ
Sample : Q3474-07MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

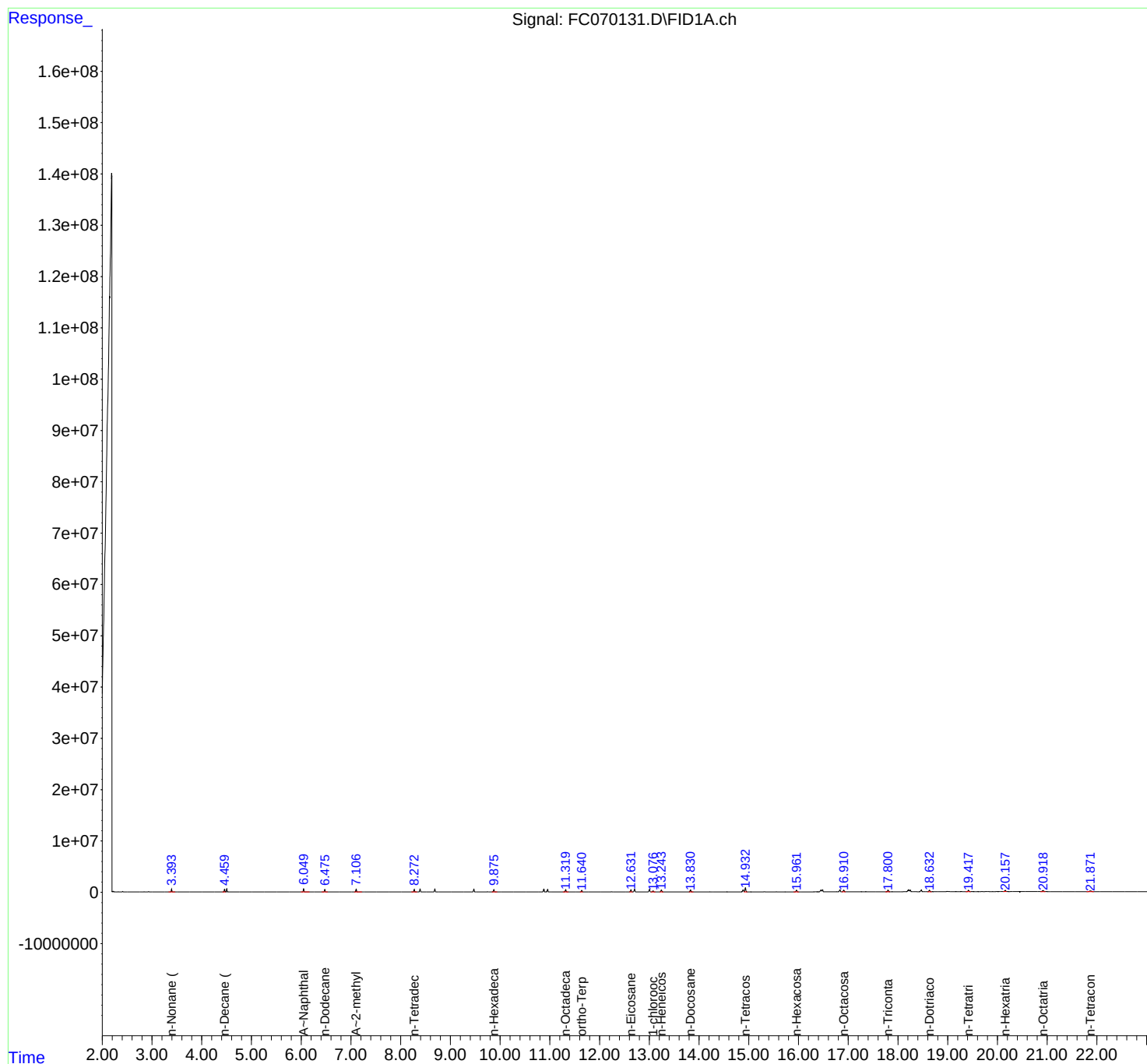
Instrument :
FID_C
ClientSampleId :
5MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Integration File: autoint1.e
Quant Time: Nov 04 03:32:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_C

ClientSampleId :

5MS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/04/2025

Supervised By :Yogesh Patel 11/04/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC11032
Data File : FC070131.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 21:08
Sample : Q3474-07MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.221	3.205	3.261	PH	608	10311	0.10%	0.004%
2	3.292	3.261	3.341	PV	402	7119	0.07%	0.003%
3	3.394	3.341	3.506	VV	550221	4614809	45.12%	1.740%
4	3.518	3.506	3.553	VV	493	9522	0.09%	0.004%
5	3.573	3.553	3.613	VV	4708	45669	0.45%	0.017%
6	3.630	3.613	3.647	VV	635	7320	0.07%	0.003%
7	3.694	3.647	3.743	VV	5125	69064	0.68%	0.026%
8	3.760	3.743	3.798	VV	515	10847	0.11%	0.004%
9	3.824	3.798	3.847	VV	6870	63893	0.62%	0.024%
10	3.867	3.847	3.922	VV	3431	46323	0.45%	0.017%
11	3.933	3.922	3.955	VV	277	4202	0.04%	0.002%
12	3.973	3.955	4.035	VV	470	8871	0.09%	0.003%
13	4.075	4.035	4.100	PV	1282	28524	0.28%	0.011%
14	4.111	4.100	4.144	VV	1083	17874	0.17%	0.007%
15	4.154	4.144	4.191	VV	547	8539	0.08%	0.003%
16	4.228	4.191	4.237	VV	723	9631	0.09%	0.004%
17	4.253	4.237	4.286	VV	2012	29031	0.28%	0.011%
18	4.296	4.286	4.348	VV	517	10447	0.10%	0.004%
19	4.389	4.348	4.425	VV	952	20323	0.20%	0.008%
20	4.459	4.425	4.481	VV	549376	4865594	47.57%	1.835%
21	4.504	4.481	4.548	VV	671001	5869021	57.39%	2.213%
22	4.564	4.548	4.591	VV	7100	80279	0.78%	0.030%
23	4.610	4.591	4.635	VV	10367	103975	1.02%	0.039%
24	4.662	4.635	4.698	VV	2383	42380	0.41%	0.016%
25	4.708	4.698	4.778	VV	595	17839	0.17%	0.007%
26	4.798	4.778	4.875	VV	595	19252	0.19%	0.007%
27	4.880	4.875	4.897	VV	262	2413	0.02%	0.001%
28	4.916	4.897	4.941	VV	201	4444	0.04%	0.002%
29	4.955	4.941	5.000	VV	444	6883	0.07%	0.003%
30	5.031	5.000	5.071	VV	383	9192	0.09%	0.003%
31	5.097	5.071	5.118	PV	249	4710	0.05%	0.002%
32	5.132	5.118	5.164	VV	288	6060	0.06%	0.002%
33	5.202	5.164	5.255	VV	421	12666	0.12%	0.005%
34	5.263	5.255	5.293	VV	258	4007	0.04%	0.002%
35	5.322	5.293	5.341	VV	2138	29047	0.28%	0.011%
36	5.361	5.341	5.403	VV	1204	14450	0.14%	0.005%

					retention			
37	5.440	5.403	5.470	PV	331	5100	0.05%	0.002%
38	5.492	5.470	5.515	PV	2151	25340	0.06%	0.002%
39	5.525	5.515	5.572	VV	941	16044	0.06%	0.002%
40	5.603	5.572	5.641	VV	328	5581	0.06%	0.002%
41	5.658	5.641	5.675	VV	837	7602	0.06%	0.002%
42	5.688	5.675	5.723	VV	1036	13851	0.06%	0.002%
43	5.744	5.723	5.768	VV	1556	17378	0.17%	0.007%
44	5.774	5.768	5.813	VV	371	5941	0.06%	0.002%
45	5.838	5.813	5.878	VV	846	13600	0.13%	0.005%
46	5.947	5.878	5.983	VV	1865	30702	0.30%	0.012%
47	6.049	5.983	6.165	VV	639299	6167804	60.31%	2.326%
48	6.185	6.165	6.224	VV	1220	25855	0.25%	0.010%
49	6.249	6.224	6.295	VV	1440	29625	0.29%	0.011%
50	6.320	6.295	6.334	VV	692	10945	0.11%	0.004%
51	6.347	6.334	6.381	VV	539	10093	0.10%	0.004%
52	6.430	6.381	6.445	VV	375	11527	0.11%	0.004%
53	6.475	6.445	6.534	VV	514199	5179078	50.64%	1.953%
54	6.549	6.534	6.583	VV	935	18549	0.18%	0.007%
55	6.592	6.583	6.599	VV	422	3624	0.04%	0.001%
56	6.621	6.599	6.660	VV	557	13328	0.13%	0.005%
57	6.678	6.660	6.711	VV	401	7463	0.07%	0.003%
58	6.724	6.711	6.736	VV	353	3862	0.04%	0.001%
59	6.753	6.736	6.785	VV	679	9195	0.09%	0.003%
60	6.805	6.785	6.848	VV	534	11076	0.11%	0.004%
61	6.897	6.848	6.921	VV	359	10690	0.10%	0.004%
62	6.960	6.921	6.987	VV	3795	63564	0.62%	0.024%
63	7.011	6.987	7.061	VV	15280	169260	1.65%	0.064%
64	7.106	7.061	7.220	VV	556801	5580997	54.57%	2.105%
65	7.240	7.220	7.275	VV	2714	45989	0.45%	0.017%
66	7.296	7.275	7.312	VV	2980	42873	0.42%	0.016%
67	7.320	7.312	7.355	VV	1709	23187	0.23%	0.009%
68	7.371	7.355	7.383	VV	1378	16126	0.16%	0.006%
69	7.398	7.383	7.428	VV	1999	25626	0.25%	0.010%
70	7.462	7.428	7.481	VV	718	16027	0.16%	0.006%
71	7.490	7.481	7.511	VV	576	7099	0.07%	0.003%
72	7.531	7.511	7.558	VV	284	4638	0.05%	0.002%
73	7.597	7.558	7.655	VV	884	28144	0.28%	0.011%
74	7.689	7.655	7.709	VV	619	10445	0.10%	0.004%
75	7.734	7.709	7.755	VV	256	4009	0.04%	0.002%
76	7.763	7.755	7.781	VV	228	2425	0.02%	0.001%
77	7.826	7.781	7.881	VV	980	35764	0.35%	0.013%
78	7.885	7.881	7.922	VV	335	4920	0.05%	0.002%
79	7.933	7.922	7.945	VV	170	1109	0.01%	0.000%
80	7.968	7.945	7.981	PV	422	4992	0.05%	0.002%
81	8.024	7.981	8.049	VV	869	15788	0.15%	0.006%
82	8.066	8.049	8.085	VV	828	11096	0.11%	0.004%
83	8.104	8.085	8.121	VV	826	13381	0.13%	0.005%
84	8.158	8.121	8.183	VV	929	24579	0.24%	0.009%
85	8.201	8.183	8.218	VV	1099	14909	0.15%	0.006%
86	8.273	8.218	8.330	VV	519191	5284069	51.67%	1.993%
87	8.391	8.330	8.558	VV	595089	6173307	60.36%	2.328%
88	8.606	8.558	8.624	VV	799	18941	0.19%	0.007%
89	8.687	8.624	8.788	VV	587506	6064812	59.30%	2.287%

Instrument :

FID_C

ClientSampleId :

5MS

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

					rters				
90	8.802	8.788	8.820	VV	988	16528	0.16%	0.006%	
91	8.832	8.820	8.855	VV	918	13978			
92	8.870	8.855	8.889	VV	772	11922			
93	8.921	8.889	8.937	VV	1069	18462			
94	8.959	8.937	8.982	VV	2673	36153			
95	9.014	8.982	9.059	VV	1094	27948			
96	9.093	9.059	9.108	VV	2039	25645	0.25%	0.010%	
97	9.123	9.108	9.171	VV	1942	32410	0.32%	0.012%	
98	9.190	9.171	9.216	VV	1023	12567	0.12%	0.005%	
99	9.249	9.216	9.264	PV	778	9454	0.09%	0.004%	
100	9.278	9.264	9.298	VV	586	7889	0.08%	0.003%	
101	9.334	9.298	9.361	VV	2619	37516	0.37%	0.014%	
102	9.384	9.361	9.404	VV	752	12307	0.12%	0.005%	
103	9.425	9.404	9.440	VV	2284	27495	0.27%	0.010%	
104	9.472	9.440	9.534	VV	557266	5971703	58.39%	2.252%	
105	9.572	9.534	9.593	VV	4036	70954	0.69%	0.027%	
106	9.613	9.593	9.642	VV	1810	35385	0.35%	0.013%	
107	9.683	9.642	9.720	VV	8612	118947	1.16%	0.045%	
108	9.747	9.720	9.778	VV	40360	467705	4.57%	0.176%	
109	9.792	9.778	9.833	VV	2793	54377	0.53%	0.021%	
110	9.875	9.833	9.942	VV	482156	5263099	51.46%	1.985%	
111	9.977	9.942	10.005	VV	1110	29709	0.29%	0.011%	
112	10.038	10.005	10.075	VV	807	21184	0.21%	0.008%	
113	10.099	10.075	10.123	VV	1354	15783	0.15%	0.006%	
114	10.136	10.123	10.141	VV	254	2116	0.02%	0.001%	
115	10.157	10.141	10.168	VV	424	5495	0.05%	0.002%	
116	10.188	10.168	10.199	VV	694	8665	0.08%	0.003%	
117	10.220	10.199	10.249	VV	4526	56173	0.55%	0.021%	
118	10.265	10.249	10.281	VV	561	9173	0.09%	0.003%	
119	10.302	10.281	10.315	VV	1002	14153	0.14%	0.005%	
120	10.323	10.315	10.337	VV	858	10789	0.11%	0.004%	
121	10.354	10.337	10.378	VV	1328	22551	0.22%	0.009%	
122	10.394	10.378	10.425	VV	940	13293	0.13%	0.005%	
123	10.468	10.425	10.486	PV	1063	19431	0.19%	0.007%	
124	10.528	10.486	10.554	VV	4043	71305	0.70%	0.027%	
125	10.570	10.554	10.592	VV	1698	24385	0.24%	0.009%	
126	10.611	10.592	10.624	VV	1172	15148	0.15%	0.006%	
127	10.643	10.624	10.657	VV	2988	37296	0.36%	0.014%	
128	10.679	10.657	10.725	VV	7511	114128	1.12%	0.043%	
129	10.743	10.725	10.754	VV	460	7416	0.07%	0.003%	
130	10.772	10.754	10.792	VV	946	13907	0.14%	0.005%	
131	10.879	10.792	10.922	VV	566719	6289881	61.50%	2.372%	
132	10.956	10.922	11.021	VV	515464	5688932	55.62%	2.145%	
133	11.033	11.021	11.097	VV	2044	56226	0.55%	0.021%	
134	11.121	11.097	11.148	VV	3225	46939	0.46%	0.018%	
135	11.171	11.148	11.217	VV	8282	113189	1.11%	0.043%	
136	11.243	11.217	11.262	VV	867	14892	0.15%	0.006%	
137	11.319	11.262	11.377	VV	443638	5199160	50.84%	1.961%	
138	11.403	11.377	11.438	VV	3690	72785	0.71%	0.027%	
139	11.472	11.438	11.491	VV	1569	29592	0.29%	0.011%	
140	11.514	11.491	11.539	VV	3705	55532	0.54%	0.021%	
141	11.562	11.539	11.605	VV	8513	128815	1.26%	0.049%	

Instrument :

FID_C

ClientSampleId :

5MS

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/04/2025

Supervised By :Yogesh Patel 11/04/2025

Project Details						Financials		Performance	
Item ID	Item Name	Category	Unit Price	Quantity	Total Price	Revenue	Cost	Profit	Margin
142	11.641	11.605	11.666	VV	304747	3319772	32.46%	1.252%	
143	11.680	11.666	11.695	VV	7361	84310			
144	11.712	11.695	11.755	VV	10485	159902			
145	11.794	11.755	11.812	VV	7371	125098			
146	11.831	11.812	11.847	VV	7276	103880			
147	11.860	11.847	11.894	VV	6533	84811			
148	11.934	11.894	11.959	PV	1184	26915	0.26%	0.010%	
149	11.984	11.959	11.994	VV	1065	15935	0.16%	0.006%	
150	12.008	11.994	12.020	VV	1203	16763	0.16%	0.006%	
151	12.045	12.020	12.070	VV	11454	162017	1.58%	0.061%	
152	12.085	12.070	12.125	VV	3172	66982	0.65%	0.025%	
153	12.151	12.125	12.194	VV	5902	94311	0.92%	0.036%	
154	12.240	12.194	12.311	VV	41058	538484	5.27%	0.203%	
155	12.337	12.311	12.383	VV	2451	67086	0.66%	0.025%	
156	12.398	12.383	12.411	VV	1280	17524	0.17%	0.007%	
157	12.422	12.411	12.434	VV	1192	12536	0.12%	0.005%	
158	12.471	12.434	12.508	VV	1870	55881	0.55%	0.021%	
159	12.535	12.508	12.556	PV	4983	72149	0.71%	0.027%	
160	12.579	12.556	12.597	VV	5461	80771	0.79%	0.030%	
161	12.631	12.597	12.664	VV	436004	5081498	49.69%	1.916%	
162	12.704	12.664	12.778	VV	541705	6439479	62.96%	2.429%	
163	12.855	12.778	12.871	VV	11290	232938	2.28%	0.088%	
164	12.884	12.871	12.903	VV	8962	105636	1.03%	0.040%	
165	12.913	12.903	12.956	VV	2923	46288	0.45%	0.017%	
166	13.004	12.956	13.033	PV	521763	6167994	60.31%	2.326%	
167	13.076	13.033	13.121	VV	224772	2781881	27.20%	1.049%	
168	13.137	13.121	13.152	VV	789	9999	0.10%	0.004%	
169	13.181	13.152	13.207	VV	8366	125653	1.23%	0.047%	
170	13.243	13.207	13.282	VV	395324	5005235	48.94%	1.888%	
171	13.297	13.282	13.332	VV	5827	102845	1.01%	0.039%	
172	13.346	13.332	13.380	VV	2241	46407	0.45%	0.018%	
173	13.396	13.380	13.414	VV	2180	32780	0.32%	0.012%	
174	13.423	13.414	13.434	VV	1640	19177	0.19%	0.007%	
175	13.471	13.434	13.540	VV	9847	200787	1.96%	0.076%	
176	13.587	13.540	13.632	PV	10691	184172	1.80%	0.069%	
177	13.695	13.632	13.716	VV	5827	107408	1.05%	0.041%	
178	13.735	13.716	13.757	VV	6442	85977	0.84%	0.032%	
179	13.776	13.757	13.798	VV	3336	52987	0.52%	0.020%	
180	13.830	13.798	13.888	VV	385430	4939309	48.30%	1.863%	
181	13.906	13.888	13.939	VV	4405	64786	0.63%	0.024%	
182	13.984	13.939	13.999	VV	2545	48349	0.47%	0.018%	
183	14.013	13.999	14.028	VV	1864	24925	0.24%	0.009%	
184	14.077	14.028	14.100	VV	3904	94934	0.93%	0.036%	

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

					rters			
195	14.694	14.668	14.709	VV	3580	50411	0.49%	0.019%
196	14.721	14.709	14.738	VV	2951	40673		
197	14.770	14.738	14.804	VV	3367	72512		
198	14.835	14.804	14.851	VV	4078	54714		
199	14.887	14.851	14.906	VV	403310	5563077	54	
200	14.932	14.906	14.971	VV	811721	10227359	100	
201	14.977	14.971	15.002	VV	4117	47401	0.46%	0.018%
202	15.043	15.002	15.095	VV	9346	187646	1.83%	0.071%
203	15.127	15.095	15.161	VV	2832	63230	0.62%	0.024%
204	15.189	15.161	15.208	PV	4915	76441	0.75%	0.029%
205	15.223	15.208	15.253	VV	2946	63335	0.62%	0.024%
206	15.264	15.253	15.280	VV	1678	20962	0.20%	0.008%
207	15.312	15.280	15.355	VV	26253	426644	4.17%	0.161%
208	15.367	15.355	15.393	VV	2411	37422	0.37%	0.014%
209	15.422	15.393	15.431	VV	1612	27650	0.27%	0.010%
210	15.472	15.431	15.494	VV	6663	146869	1.44%	0.055%
211	15.554	15.494	15.575	VV	10201	225175	2.20%	0.085%
212	15.592	15.575	15.624	VV	4793	66208	0.65%	0.025%
213	15.651	15.624	15.668	VV	2017	39910	0.39%	0.015%
214	15.727	15.668	15.758	VV	6279	185769	1.82%	0.070%
215	15.791	15.758	15.810	VV	2260	41986	0.41%	0.016%
216	15.831	15.810	15.855	VV	2708	40221	0.39%	0.015%
217	15.877	15.855	15.898	VV	2366	32401	0.32%	0.012%
218	15.961	15.898	16.005	VV	321259	4505658	44.05%	1.699%
219	16.023	16.005	16.066	VV	2828	48143	0.47%	0.018%
220	16.088	16.066	16.127	VV	1725	27677	0.27%	0.010%
221	16.157	16.127	16.209	PV	2326	74460	0.73%	0.028%
222	16.232	16.209	16.244	VV	2733	36028	0.35%	0.014%
223	16.261	16.244	16.281	VV	3355	52120	0.51%	0.020%
224	16.328	16.281	16.374	VV	25839	475369	4.65%	0.179%
225	16.389	16.374	16.407	VV	3956	66064	0.65%	0.025%
226	16.452	16.407	16.468	VV	377854	5837978	57.08%	2.202%
227	16.485	16.468	16.551	VV	436665	5293447	51.76%	1.996%
228	16.577	16.551	16.599	VV	10401	158109	1.55%	0.060%
229	16.608	16.599	16.622	VV	3227	37167	0.36%	0.014%
230	16.633	16.622	16.649	VV	2421	34493	0.34%	0.013%
231	16.659	16.649	16.678	VV	2035	30589	0.30%	0.012%
232	16.698	16.678	16.715	VV	5674	83027	0.81%	0.031%
233	16.767	16.715	16.792	VV	29167	502397	4.91%	0.189%
234	16.834	16.792	16.875	VV	407849	5472987	53.51%	2.064%
235	16.910	16.875	16.966	VV	337921	4639427	45.36%	1.750%
236	16.985	16.966	17.014	VV	10777	188778	1.85%	0.071%
237	17.035	17.014	17.044	VV	3889	57178	0.56%	0.022%
238	17.062	17.044	17.108	VV	4439	148635	1.45%	0.056%
239	17.187	17.108	17.235	VV	7010	370507	3.62%	0.140%
240	17.271	17.235	17.306	VV	25264	520185	5.09%	0.196%
241	17.358	17.306	17.390	VV	33704	660120	6.45%	0.249%
242	17.410	17.390	17.422	VV	5497	97281	0.95%	0.037%
243	17.441	17.422	17.464	VV	7028	144787	1.42%	0.055%
244	17.486	17.464	17.511	VV	7388	171335	1.68%	0.065%
245	17.531	17.511	17.557	VV	7871	158473	1.55%	0.060%
246	17.579	17.557	17.591	VV	5510	97395	0.95%	0.037%

Instrument :

FID_C

ClientSampleId :

5MS

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/04/2025

Supervised By :Yogesh Patel 11/04/2025

					rters			
247	17.606	17.591	17.617	VV	5173	75626	0.74%	0.029%
248	17.636	17.617	17.655	VV	6620	122349		
249	17.728	17.655	17.745	VV	8256	349497		
250	17.801	17.745	17.841	VV	322557	4595692	44	
251	17.888	17.841	17.921	VV	19186	576108		
252	17.927	17.921	17.936	VV	10606	93743		
253	17.979	17.936	18.014	VV	12453	520781	5.09%	0.196%
254	18.035	18.014	18.081	VV	16587	482781	4.72%	0.182%
255	18.157	18.081	18.167	VV	35390	1117443	10.93%	0.421%
256	18.212	18.167	18.228	VV	404922	6877179	67.24%	2.594%
257	18.247	18.228	18.299	VV	372390	5415174	52.95%	2.042%
258	18.330	18.299	18.348	VV	20439	532377	5.21%	0.201%
259	18.364	18.348	18.418	VV	19338	632643	6.19%	0.239%
260	18.470	18.418	18.508	VV	391247	5856058	57.26%	2.208%
261	18.520	18.508	18.560	VV	19175	526662	5.15%	0.199%
262	18.632	18.560	18.685	VV	316449	5354833	52.36%	2.019%
263	18.691	18.685	18.701	VV	13556	134469	1.31%	0.051%
264	18.736	18.701	18.779	VV	31220	1050013	10.27%	0.396%
265	18.796	18.779	18.828	VV	16739	456997	4.47%	0.172%
266	18.841	18.828	18.861	VV	15697	302078	2.95%	0.114%
267	18.989	18.861	19.014	VV	76455	2789224	27.27%	1.052%
268	19.030	19.014	19.082	VV	47770	1293737	12.65%	0.488%
269	19.114	19.082	19.145	VV	31825	974868	9.53%	0.368%
270	19.168	19.145	19.220	VV	39200	1194021	11.67%	0.450%
271	19.275	19.220	19.309	VV	44214	1565302	15.31%	0.590%
272	19.327	19.309	19.362	VV	28932	795362	7.78%	0.300%
273	19.418	19.362	19.462	VV	295410	5340144	52.21%	2.014%
274	19.485	19.462	19.508	VV	47254	1000761	9.79%	0.377%
275	19.525	19.508	19.571	VV	32596	1020461	9.98%	0.385%
276	19.613	19.571	19.653	VV	32025	1314532	12.85%	0.496%
277	19.686	19.653	19.724	VV	37385	1322274	12.93%	0.499%
278	19.770	19.724	19.809	VV	41669	1776894	17.37%	0.670%
279	19.820	19.809	19.861	VV	33812	954146	9.33%	0.360%
280	19.869	19.861	19.887	VV	28762	430723	4.21%	0.162%
281	19.902	19.887	19.920	VV	30516	582729	5.70%	0.220%
282	19.934	19.920	19.953	VV	28873	550443	5.38%	0.208%
283	19.992	19.953	20.017	VV	37157	1214023	11.87%	0.458%
284	20.060	20.017	20.077	VV	35602	1132220	11.07%	0.427%
285	20.092	20.077	20.121	VV	35167	898422	8.78%	0.339%
286	20.158	20.121	20.243	VV	275347	6063817	59.29%	2.287%
287	20.277	20.243	20.294	VV	32258	925119	9.05%	0.349%
288	20.307	20.294	20.358	VV	32609	1202062	11.75%	0.453%
289	20.378	20.358	20.453	VV	30831	1656266	16.19%	0.625%
290	20.468	20.453	20.477	VV	26959	391966	3.83%	0.148%
291	20.515	20.477	20.537	VV	31015	1058311	10.35%	0.399%
292	20.576	20.537	20.601	VV	31760	1149379	11.24%	0.433%
293	20.610	20.601	20.624	VV	29970	397116	3.88%	0.150%
294	20.638	20.624	20.655	VV	28995	519421	5.08%	0.196%
295	20.712	20.655	20.865	VV	36534	3796944	37.13%	1.432%
296	20.918	20.865	20.970	VV	216147	5160791	50.46%	1.946%
297	20.981	20.970	21.026	VV	24586	741817	7.25%	0.280%
298	21.045	21.026	21.115	VV	20683	993532	9.71%	0.375%
299	21.137	21.115	21.155	VV	17852	409483	4.00%	0.154%

Instrument :

FID_C

ClientSampleId :

SMS

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/04/2025

Supervised By :Yogesh Patel 11/04/2025

300	21.207	21.155	21.231	VV	17366	768444	7.51%	0.290%
301	21.243	21.231	21.285	VV	16922	510317		
302	21.299	21.285	21.310	VV	15611	235808		
303	21.337	21.310	21.391	VV	16238	727702		
304	21.428	21.391	21.497	VV	15804	918695		
305	21.508	21.497	21.537	VV	13429	307324		
306	21.565	21.537	21.582	VV	12687	328049	3.21%	0.124%
307	21.604	21.582	21.623	VV	13086	309209	3.02%	0.117%
308	21.639	21.623	21.661	VV	12142	268973	2.63%	0.101%
309	21.673	21.661	21.713	VV	11858	345797	3.38%	0.130%
310	21.736	21.713	21.792	VV	10643	439215	4.29%	0.166%
311	21.871	21.792	21.931	VV	153335	4370897	42.74%	1.648%
312	22.078	21.931	22.183	VV	14746	1602738	15.67%	0.604%
313	22.190	22.183	22.328	VV	6331	273423	2.67%	0.103%
Sum of corrected areas:					265161152			

Instrument :
FID_C
ClientSampleId :
SMS

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Aliphatic EPH 100725.M Tue Nov 04 04:46:26 2025

Report of Analysis

Client:	Sciacca General Contractors, LLC		Date Collected:	
Project:	7 Rynda Road, Maplewood		Date Received:	
Client Sample ID:	5MSD		SDG No.:	Q3474
Lab Sample ID:	Q3474-07MSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	85.9
Sample Wt/Vol:	30.07 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date : 11/03/25		

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

TARGETS

Total EPH	Total EPH	79.0			1.06	4.64	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:	7 Rynda Road, Maplewood		Date Received:	
Client Sample ID:	5MSD		SDG No.:	Q3474
Lab Sample ID:	Q3474-07MSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	85.9
Sample Wt/Vol:	30.07 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date : 11/03/25		

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

TARGETS

Total EPH	Total EPH	79.0			1.06	4.64	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:	7 Rynda Road, Maplewood		Date Received:	
Client Sample ID:	5MSD		SDG No.:	Q3474
Lab Sample ID:	Q3474-07MSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	85.9
Sample Wt/Vol:	30.07 g	Final Vol: 2000 uL	Test:	EPH_F2
Prep Method :		Prep Date 11/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	79.0		1	1.06	4.64	mg/kg	11/03/25	PB170385
Aliphatic C28-C40	Aliphatic C28-C40	71.4	E	1	1.37	2.32	mg/kg	11/03/25	PB170385
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	20.1			40 - 140	40%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	18.5			40 - 140	37%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3474-07MSD	Acq On:	03 Nov 2025 21:49
Client Sample ID:	Q3474-07MSD	Operator:	YP/AJ
Data file:	FC070132.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.571	27318203	188.681	300	ug/ml
Aliphatic C12-C16	6.572	9.972	35351015	215.841	200	ug/ml
Aliphatic C16-C21	9.973	13.339	42425955	261.977	300	ug/ml
Aliphatic C21-C28	13.340	17.004	52121430	354.225	400	ug/ml
Aliphatic C28-C40	17.005	21.958	99171691	921.671	600	ug/ml
Aliphatic EPH	3.277	21.958	256388294	1940		ug/ml
ortho-Terphenyl (SURR)	11.641	11.641	3249089	18.5		ug/ml
1-chlorooctadecane (SURR)	13.077	13.077	2727814	20.1		ug/ml
Aliphatic C9-C28	3.277	17.004	157216603	1020	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
 Data File : FC070132.D
 Signal(s) : FID1A.ch
 Acq On : 03 Nov 2025 21:49
 Operator : YP/AJ
 Sample : Q3474-07MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 5MSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/04/2025
 Supervised By :Yogesh Patel 11/04/2025

Integration File: autoint1.e
 Quant Time: Nov 04 03:33:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 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)	11.641	3249089	18.502 ug/ml
Spiked Amount 50.000		Recovery =	37.00%
12) S 1-chlorooctadecane (S...	13.077	2727814	20.096 ug/ml
Spiked Amount 50.000		Recovery =	40.19%
Target Compounds			
1) T n-Nonane (C9)	3.393	4508782	32.835 ug/ml
2) T n-Decane (C10)	4.458	4764889	33.144 ug/ml
3) T A~Naphthalene (C11.7)	6.049	5982416	37.016 ug/ml
4) T n-Dodecane (C12)	6.475	5057783	32.998 ug/ml
5) T A~2-methylnaphthalene...	7.106	5441500	34.105 ug/ml
6) T n-Tetradecane (C14)	8.273	5159741	32.442 ug/ml
7) T n-Hexadecane (C16)	9.875	5133880	30.464 ug/ml
8) T n-Octadecane (C18)	11.319	5091480	29.927 ug/ml
10) T n-Eicosane (C20)	12.632	4976087	31.016 ug/ml
11) T n-Heneicosane (C21)	13.245	4874185	31.391 ug/ml
13) T n-Docosane (C22)	13.832	4837780	31.436 ug/ml
14) T n-Tetracosane (C24)	14.934	10175495	67.107 ug/ml
15) T n-Hexacosane (C26)	15.960	4407045	30.448 ug/ml
16) T n-Octacosane (C28)	16.910	4421019	31.966 ug/mlm
17) T n-Tricontane (C30)	17.801	4277627	31.330 ug/ml
18) T n-Dotriacontane (C32)	18.633	4412853	34.226 ug/mlm
19) T n-Tetratriacontane (C34)	19.418	4130549	36.201 ug/ml
20) T n-Hexatriacontane (C36)	20.158	3869730	40.013 ug/mlm
21) T n-Octatriacontane (C38)	20.919	3609561	41.414 ug/ml
22) T n-Tetracontane (C40)	21.874	3780362	46.011 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC110325AL\
Data File : FC070132.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 21:49
Operator : YP/AJ
Sample : Q3474-07MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

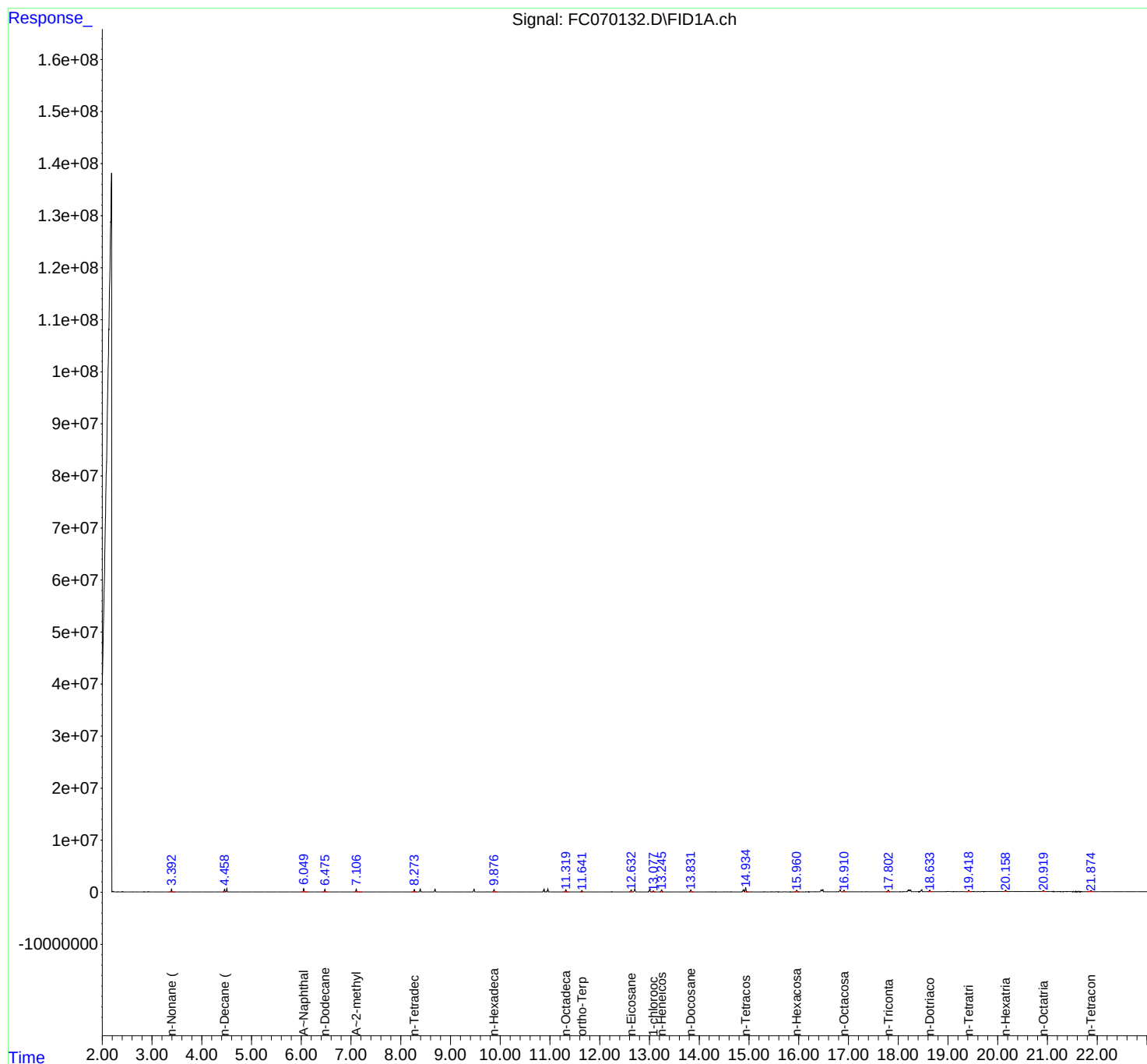
Instrument :
FID_C
ClientSampleId :
5MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Integration File: autoint1.e
Quant Time: Nov 04 03:33:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rters

Instrument :

FID_C

ClientSampleId :

5MSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC11032
Data File : FC070132.D
Signal(s) : FID1A.ch
Acq On : 03 Nov 2025 21:49
Sample : Q3474-07MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.220	3.204	3.260	BV	269	2628	0.03%	0.001%
2	3.289	3.260	3.334	PV	276	4373	0.04%	0.002%
3	3.348	3.334	3.360	PV	109	892	0.01%	0.000%
4	3.393	3.360	3.503	PV	537754	4539908	44.62%	1.721%
5	3.516	3.503	3.554	VV	542	11519	0.11%	0.004%
6	3.572	3.554	3.614	VV	4729	46820	0.46%	0.018%
7	3.629	3.614	3.647	VV	675	7356	0.07%	0.003%
8	3.664	3.647	3.673	VV	505	5894	0.06%	0.002%
9	3.694	3.673	3.751	VV	5097	65677	0.65%	0.025%
10	3.759	3.751	3.785	VV	499	6398	0.06%	0.002%
11	3.823	3.785	3.846	VV	6777	66057	0.65%	0.025%
12	3.866	3.846	3.958	VV	3433	53856	0.53%	0.020%
13	3.970	3.958	4.001	VV	488	7130	0.07%	0.003%
14	4.010	4.001	4.031	VV	194	3033	0.03%	0.001%
15	4.074	4.031	4.099	VV	1336	30091	0.30%	0.011%
16	4.111	4.099	4.141	VV	1208	18947	0.19%	0.007%
17	4.153	4.141	4.198	VV	611	11256	0.11%	0.004%
18	4.253	4.198	4.284	VV	2068	40995	0.40%	0.016%
19	4.297	4.284	4.313	VV	586	7229	0.07%	0.003%
20	4.326	4.313	4.348	VV	364	5290	0.05%	0.002%
21	4.389	4.348	4.424	VV	1007	22143	0.22%	0.008%
22	4.458	4.424	4.480	VV	538625	4778935	46.97%	1.812%
23	4.504	4.480	4.547	VV	658842	5763896	56.65%	2.185%
24	4.563	4.547	4.589	VV	7086	80109	0.79%	0.030%
25	4.610	4.589	4.638	VV	10249	105195	1.03%	0.040%
26	4.661	4.638	4.698	VV	2394	41604	0.41%	0.016%
27	4.709	4.698	4.726	VV	655	8669	0.09%	0.003%
28	4.737	4.726	4.770	VV	514	9217	0.09%	0.003%
29	4.800	4.770	4.857	VV	661	20966	0.21%	0.008%
30	4.872	4.857	4.901	VV	330	6322	0.06%	0.002%
31	4.932	4.901	4.943	VV	322	6467	0.06%	0.002%
32	4.956	4.943	5.004	VV	568	8986	0.09%	0.003%
33	5.029	5.004	5.039	VV	470	7001	0.07%	0.003%
34	5.046	5.039	5.069	VV	383	4780	0.05%	0.002%
35	5.095	5.069	5.114	VV	355	8040	0.08%	0.003%
36	5.134	5.114	5.163	VV	465	9533	0.09%	0.004%

					retention			
37	5.175	5.163	5.184	VV	441	3853	0.04%	0.001%
38	5.201	5.184	5.244	VV	511	11942		
39	5.260	5.244	5.272	VV	298	3826		
40	5.322	5.272	5.341	VV	2197	33411		
41	5.359	5.341	5.405	VV	1296	17337		
42	5.439	5.405	5.469	PV	378	6337		
43	5.492	5.469	5.511	VV	2222	26034	0.26%	0.010%
44	5.524	5.511	5.572	VV	1042	19498	0.19%	0.007%
45	5.604	5.572	5.634	VV	404	7540	0.07%	0.003%
46	5.658	5.634	5.673	VV	883	10208	0.10%	0.004%
47	5.689	5.673	5.724	VV	1096	16420	0.16%	0.006%
48	5.744	5.724	5.818	VV	1513	26677	0.26%	0.010%
49	5.839	5.818	5.874	VV	918	13864	0.14%	0.005%
50	5.948	5.874	5.969	VV	1938	32851	0.32%	0.012%
51	5.977	5.969	5.988	VV	268	2997	0.03%	0.001%
52	6.049	5.988	6.165	VV	639349	6063746	59.60%	2.299%
53	6.185	6.165	6.228	VV	1364	30836	0.30%	0.012%
54	6.248	6.228	6.304	VV	1465	34205	0.34%	0.013%
55	6.320	6.304	6.335	VV	817	10602	0.10%	0.004%
56	6.346	6.335	6.403	VV	552	17297	0.17%	0.007%
57	6.430	6.403	6.443	VV	452	8795	0.09%	0.003%
58	6.475	6.443	6.534	VV	519995	5087248	50.00%	1.929%
59	6.551	6.534	6.581	VV	934	18095	0.18%	0.007%
60	6.624	6.581	6.654	VV	656	19567	0.19%	0.007%
61	6.677	6.654	6.691	VV	434	7476	0.07%	0.003%
62	6.701	6.691	6.709	VV	350	3200	0.03%	0.001%
63	6.723	6.709	6.734	VV	354	4634	0.05%	0.002%
64	6.751	6.734	6.781	VV	644	9433	0.09%	0.004%
65	6.805	6.781	6.851	VV	505	11158	0.11%	0.004%
66	6.877	6.851	6.928	VV	408	13021	0.13%	0.005%
67	6.960	6.928	6.991	VV	3754	68681	0.68%	0.026%
68	7.011	6.991	7.062	VV	14841	164469	1.62%	0.062%
69	7.106	7.062	7.224	VV	546653	5482210	53.88%	2.079%
70	7.240	7.224	7.276	VV	2614	45234	0.44%	0.017%
71	7.296	7.276	7.312	VV	2996	42467	0.42%	0.016%
72	7.320	7.312	7.351	VV	1673	22437	0.22%	0.009%
73	7.371	7.351	7.383	VV	1412	17774	0.17%	0.007%
74	7.398	7.383	7.426	VV	1918	25917	0.25%	0.010%
75	7.463	7.426	7.480	VV	840	16889	0.17%	0.006%
76	7.491	7.480	7.512	VV	623	7695	0.08%	0.003%
77	7.530	7.512	7.556	VV	333	5531	0.05%	0.002%
78	7.578	7.556	7.586	VV	825	8398	0.08%	0.003%
79	7.596	7.586	7.655	VV	901	18886	0.19%	0.007%
80	7.690	7.655	7.714	VV	574	9246	0.09%	0.004%
81	7.735	7.714	7.751	PV	253	3056	0.03%	0.001%
82	7.761	7.751	7.778	VV	220	2443	0.02%	0.001%
83	7.827	7.778	7.884	VV	1068	37750	0.37%	0.014%
84	7.891	7.884	7.928	VV	311	4752	0.05%	0.002%
85	7.941	7.928	7.951	VV	212	1714	0.02%	0.001%
86	7.970	7.951	7.985	VV	424	4587	0.05%	0.002%
87	8.023	7.985	8.049	VV	821	15222	0.15%	0.006%
88	8.067	8.049	8.081	VV	806	10623	0.10%	0.004%
89	8.102	8.081	8.123	VV	828	14812	0.15%	0.006%

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90	8.161	8.123	8.184	VV	949	24532	0.24%	0.009%
91	8.202	8.184	8.218	VV	1213	15551		
92	8.231	8.218	8.240	VV	931	10032		
93	8.273	8.240	8.329	VV	499444	5181346	50.00%	2.218%
94	8.345	8.329	8.356	VV	960	13421		
95	8.391	8.356	8.468	VV	593797	6010372	59.35%	2.336%
96	8.476	8.468	8.567	VV	1244	38905	0.38%	0.015%
97	8.609	8.567	8.624	VV	784	17359	0.17%	0.007%
98	8.688	8.624	8.788	VV	544449	5945159	58.43%	2.254%
99	8.804	8.788	8.820	VV	960	15952	0.16%	0.006%
100	8.833	8.820	8.854	VV	928	13208	0.13%	0.005%
101	8.870	8.854	8.888	VV	875	12006	0.12%	0.005%
102	8.922	8.888	8.939	VV	943	18352	0.18%	0.007%
103	8.960	8.939	8.982	VV	2708	35169	0.35%	0.013%
104	9.015	8.982	9.044	VV	1054	25482	0.25%	0.010%
105	9.050	9.044	9.064	VV	177	1784	0.02%	0.001%
106	9.093	9.064	9.108	VV	2022	23547	0.23%	0.009%
107	9.123	9.108	9.170	VV	1850	32326	0.32%	0.012%
108	9.191	9.170	9.228	VV	1175	12891	0.13%	0.005%
109	9.250	9.228	9.268	PV	575	7476	0.07%	0.003%
110	9.281	9.268	9.301	VV	554	6282	0.06%	0.002%
111	9.334	9.301	9.356	VV	2527	32410	0.32%	0.012%
112	9.384	9.356	9.404	VV	571	10053	0.10%	0.004%
113	9.425	9.404	9.440	VV	2157	24568	0.24%	0.009%
114	9.473	9.440	9.534	VV	562882	5850712	57.50%	2.218%
115	9.571	9.534	9.592	VV	3723	66077	0.65%	0.025%
116	9.612	9.592	9.644	VV	1614	33725	0.33%	0.013%
117	9.684	9.644	9.720	VV	8222	110840	1.09%	0.042%
118	9.747	9.720	9.778	VV	39855	453803	4.46%	0.172%
119	9.792	9.778	9.836	VV	2564	50879	0.50%	0.019%
120	9.875	9.836	9.909	VV	474937	5136183	50.48%	1.947%
121	9.917	9.909	9.943	VV	1493	21331	0.21%	0.008%
122	9.980	9.943	10.011	VV	1090	29037	0.29%	0.011%
123	10.035	10.011	10.079	VV	815	18764	0.18%	0.007%
124	10.099	10.079	10.118	VV	1255	13641	0.13%	0.005%
125	10.155	10.118	10.174	VV	326	6433	0.06%	0.002%
126	10.188	10.174	10.199	VV	695	6889	0.07%	0.003%
127	10.221	10.199	10.251	VV	4526	53988	0.53%	0.020%
128	10.264	10.251	10.283	VV	546	7688	0.08%	0.003%
129	10.305	10.283	10.338	VV	819	20792	0.20%	0.008%
130	10.356	10.338	10.379	VV	1261	20021	0.20%	0.008%
131	10.395	10.379	10.421	VV	918	11589	0.11%	0.004%
132	10.469	10.421	10.488	PV	954	17869	0.18%	0.007%
133	10.528	10.488	10.554	VV	4061	64357	0.63%	0.024%
134	10.570	10.554	10.593	VV	1504	22025	0.22%	0.008%
135	10.611	10.593	10.624	VV	1179	14688	0.14%	0.006%
136	10.644	10.624	10.657	VV	2829	35635	0.35%	0.014%
137	10.679	10.657	10.730	VV	7396	112261	1.10%	0.043%
138	10.745	10.730	10.754	VV	453	5148	0.05%	0.002%
139	10.774	10.754	10.791	VV	891	11931	0.12%	0.005%
140	10.880	10.791	10.924	VV	544510	6161274	60.55%	2.336%
141	10.956	10.924	11.018	VV	499862	5570056	54.74%	2.112%

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142	11.033	11.018	11.097	VV	2050	56245	0.55%	0.021%	
143	11.121	11.097	11.149	VV	3182	44482			
144	11.171	11.149	11.216	VV	8039	108299			
145	11.241	11.216	11.261	VV	818	12651			
146	11.319	11.261	11.376	VV	432585	5097469	50.97%	1.233%	
147	11.404	11.376	11.438	VV	3425	69471			
148	11.472	11.438	11.494	VV	1486	29481	0.29%	0.011%	
149	11.514	11.494	11.540	VV	3601	53606	0.53%	0.020%	
150	11.563	11.540	11.606	VV	8428	127557	1.25%	0.048%	
151	11.641	11.606	11.668	VV	300555	3253023	31.97%	1.233%	
152	11.680	11.668	11.695	VV	7042	81580	0.80%	0.031%	
153	11.713	11.695	11.757	VV	10198	157070	1.54%	0.060%	
154	11.794	11.757	11.813	VV	7141	120397	1.18%	0.046%	
155	11.831	11.813	11.847	VV	7305	100473	0.99%	0.038%	
156	11.859	11.847	11.894	VV	6286	85380	0.84%	0.032%	
157	11.934	11.894	11.960	PV	1159	26756	0.26%	0.010%	
158	11.989	11.960	11.998	VV	1110	17692	0.17%	0.007%	
159	12.009	11.998	12.020	VV	1177	14179	0.14%	0.005%	
160	12.046	12.020	12.071	VV	11237	161619	1.59%	0.061%	
161	12.085	12.071	12.126	VV	3044	63747	0.63%	0.024%	
162	12.152	12.126	12.195	VV	5929	91708	0.90%	0.035%	
163	12.241	12.195	12.314	VV	38619	504883	4.96%	0.191%	
164	12.339	12.314	12.380	VV	2158	55535	0.55%	0.021%	
165	12.401	12.380	12.412	VV	1071	16463	0.16%	0.006%	
166	12.423	12.412	12.436	VV	1080	11489	0.11%	0.004%	
167	12.452	12.436	12.459	VV	1601	15167	0.15%	0.006%	
168	12.473	12.459	12.511	VV	1774	37879	0.37%	0.014%	
169	12.535	12.511	12.557	PV	5022	68105	0.67%	0.026%	
170	12.580	12.557	12.598	VV	5445	77796	0.76%	0.029%	
171	12.632	12.598	12.665	VV	412413	4985730	49.00%	1.890%	
172	12.706	12.665	12.778	VV	546274	6330154	62.21%	2.400%	
173	12.829	12.778	12.841	VV	4914	92672	0.91%	0.035%	
174	12.857	12.841	12.872	VV	10481	134926	1.33%	0.051%	
175	12.885	12.872	12.904	VV	8499	103103	1.01%	0.039%	
176	12.914	12.904	12.957	VV	2650	43800	0.43%	0.017%	
177	13.005	12.957	13.033	VV	509127	6077594	59.73%	2.304%	
178	13.077	13.033	13.122	VV	211635	2730654	26.84%	1.035%	
179	13.136	13.122	13.153	VV	700	9134	0.09%	0.003%	
180	13.182	13.153	13.208	PV	8424	124144	1.22%	0.047%	
181	13.244	13.208	13.283	VV	398842	4912570	48.28%	1.863%	
182	13.297	13.283	13.335	VV	5578	100863	0.99%	0.038%	
183	13.349	13.335	13.380	VV	2222	42889	0.42%	0.016%	
184	13.398	13.380	13.418	VV	2109	34004	0.33%	0.013%	
185	13.424	13.418	13.436	VV	1597	16687	0.16%	0.006%	
186	13.473	13.436	13.543	VV	9152	184894	1.82%	0.070%	
187	13.589	13.543	13.632	VV	10416	182358	1.79%	0.069%	
188	13.662	13.632	13.673	VV	1401	24876	0.24%	0.009%	
189	13.697	13.673	13.717	VV	5743	87652	0.86%	0.033%	
190	13.736	13.717	13.759	VV	6399	90727	0.89%	0.034%	
191	13.777	13.759	13.796	VV	3459	52017	0.51%	0.020%	
192	13.832	13.796	13.890	VV	394831	4862657	47.79%	1.844%	
193	13.908	13.890	13.943	VV	4824	69811	0.69%	0.026%	
194	13.961	13.943	13.971	VV	1704	19856	0.20%	0.008%	

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195	13.987	13.971	14.001	VV	2742	35412	0.35%	0.013%	
196	14.012	14.001	14.029	VV	2233	30496			
197	14.078	14.029	14.101	VV	3782	100664			
198	14.120	14.101	14.139	VV	3447	38292			
199	14.164	14.139	14.194	PV	4410	67627			
200	14.219	14.194	14.243	VV	12728	169892			
201	14.266	14.243	14.287	VV	8678	126877	1.25%	0.048%	
202	14.304	14.287	14.313	VV	5179	66249	0.65%	0.025%	
203	14.330	14.313	14.367	VV	8828	144273	1.42%	0.055%	
204	14.394	14.367	14.416	VV	5033	81268	0.80%	0.031%	
205	14.428	14.416	14.444	VV	2244	30955	0.30%	0.012%	
206	14.501	14.444	14.530	VV	8814	203069	2.00%	0.077%	
207	14.567	14.530	14.592	VV	11734	197529	1.94%	0.075%	
208	14.632	14.592	14.666	VV	9849	181158	1.78%	0.069%	
209	14.695	14.666	14.710	VV	4006	55324	0.54%	0.021%	
210	14.721	14.710	14.739	VV	3016	41727	0.41%	0.016%	
211	14.772	14.739	14.802	VV	3146	73349	0.72%	0.028%	
212	14.836	14.802	14.850	PV	4155	54105	0.53%	0.021%	
213	14.888	14.850	14.907	VV	419252	5543943	54.49%	2.102%	
214	14.934	14.907	15.004	VV	831387	10174729	100.00%	3.858%	
215	15.044	15.004	15.096	VV	9566	177928	1.75%	0.067%	
216	15.130	15.096	15.156	VV	2864	51051	0.50%	0.019%	
217	15.188	15.156	15.210	VV	4606	69736	0.69%	0.026%	
218	15.225	15.210	15.254	VV	2557	53498	0.53%	0.020%	
219	15.268	15.254	15.284	VV	1224	18985	0.19%	0.007%	
220	15.313	15.284	15.354	VV	26291	402933	3.96%	0.153%	
221	15.369	15.354	15.391	VV	1878	30624	0.30%	0.012%	
222	15.415	15.391	15.424	VV	1219	17714	0.17%	0.007%	
223	15.473	15.424	15.494	VV	6579	144140	1.42%	0.055%	
224	15.554	15.494	15.576	VV	9544	217251	2.14%	0.082%	
225	15.593	15.576	15.625	VV	4476	62055	0.61%	0.024%	
226	15.648	15.625	15.668	VV	1859	35566	0.35%	0.013%	
227	15.727	15.668	15.756	VV	6040	178021	1.75%	0.067%	
228	15.791	15.756	15.811	VV	2148	41364	0.41%	0.016%	
229	15.830	15.811	15.857	VV	2585	38974	0.38%	0.015%	
230	15.876	15.857	15.898	VV	2354	30077	0.30%	0.011%	
231	15.960	15.898	16.007	VV	326611	4450335	43.74%	1.687%	
232	16.025	16.007	16.069	VV	2496	45497	0.45%	0.017%	
233	16.089	16.069	16.124	VV	1990	26754	0.26%	0.010%	
234	16.158	16.124	16.172	PV	2836	45561	0.45%	0.017%	
235	16.180	16.172	16.211	VV	2259	34523	0.34%	0.013%	
236	16.233	16.211	16.245	VV	2728	35197	0.35%	0.013%	
237	16.260	16.245	16.281	VV	3013	52054	0.51%	0.020%	
238	16.328	16.281	16.372	VV	26759	469895	4.62%	0.178%	
239	16.390	16.372	16.407	VV	4097	66667	0.66%	0.025%	
240	16.454	16.407	16.469	VV	361329	5834977	57.35%	2.212%	
241	16.485	16.469	16.552	VV	443835	5335479	52.44%	2.023%	
242	16.576	16.552	16.598	VV	10539	154229	1.52%	0.058%	
243	16.608	16.598	16.624	VV	2843	40176	0.39%	0.015%	
244	16.636	16.624	16.651	VV	2410	31195	0.31%	0.012%	
245	16.665	16.651	16.675	VV	1733	22560	0.22%	0.009%	
246	16.698	16.675	16.715	VV	5205	81460	0.80%	0.031%	

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247	16.766	16.715	16.793	VV	28833	489796	4.81%	0.186%
248	16.834	16.793	16.871	VV	421078	5474371	5.51%	0.248%
249	16.911	16.871	16.949	VV	318612	4535348	4.44%	0.186%
250	16.985	16.949	17.011	VV	10417	240073	2.21%	0.031%
251	17.032	17.011	17.045	VV	3607	61578	0.06%	0.027%
252	17.066	17.045	17.082	VV	4103	81354	0.08%	0.031%
253	17.091	17.082	17.119	VV	3778	72273	0.07%	0.027%
254	17.191	17.119	17.215	VV	6956	270972	2.66%	0.103%
255	17.229	17.215	17.242	VV	5390	80906	0.80%	0.031%
256	17.272	17.242	17.307	VV	24996	476574	4.68%	0.181%
257	17.358	17.307	17.391	VV	32446	654537	6.43%	0.248%
258	17.411	17.391	17.428	VV	5608	109242	1.07%	0.041%
259	17.441	17.428	17.466	VV	6749	134286	1.32%	0.051%
260	17.486	17.466	17.507	VV	7541	147730	1.45%	0.056%
261	17.535	17.507	17.560	VV	7117	178901	1.76%	0.068%
262	17.592	17.560	17.610	VV	5505	148006	1.45%	0.056%
263	17.637	17.610	17.671	VV	6159	191792	1.88%	0.073%
264	17.727	17.671	17.744	VV	8109	294837	2.90%	0.112%
265	17.801	17.744	17.842	VV	302392	4593931	45.15%	1.742%
266	17.889	17.842	17.915	VV	19430	521544	5.13%	0.198%
267	17.940	17.915	17.958	VV	10385	257822	2.53%	0.098%
268	17.978	17.958	18.009	VV	12807	347354	3.41%	0.132%
269	18.036	18.009	18.079	VV	16222	493672	4.85%	0.187%
270	18.158	18.079	18.167	VV	35462	1082096	10.64%	0.410%
271	18.213	18.167	18.228	VV	387990	6922110	68.03%	2.625%
272	18.248	18.228	18.301	VV	384210	5504640	54.10%	2.087%
273	18.330	18.301	18.348	VV	20137	509979	5.01%	0.193%
274	18.363	18.348	18.420	VV	19255	629585	6.19%	0.239%
275	18.470	18.420	18.511	VV	375164	5903436	58.02%	2.238%
276	18.520	18.511	18.555	VV	19141	444663	4.37%	0.169%
277	18.633	18.555	18.701	VV	300394	5526484	54.32%	2.095%
278	18.735	18.701	18.788	VV	30675	1120112	11.01%	0.425%
279	18.795	18.788	18.824	VV	16136	333971	3.28%	0.127%
280	18.838	18.824	18.848	VV	15395	210528	2.07%	0.080%
281	18.855	18.848	18.871	VV	15019	201598	1.98%	0.076%
282	18.892	18.871	18.900	VV	17667	288010	2.83%	0.109%
283	18.989	18.900	19.015	VV	76470	2395060	23.54%	0.908%
284	19.030	19.015	19.083	VV	47241	1312061	12.90%	0.497%
285	19.115	19.083	19.145	VV	32864	959328	9.43%	0.364%
286	19.168	19.145	19.218	VV	40191	1164809	11.45%	0.442%
287	19.276	19.218	19.312	VV	43790	1609726	15.82%	0.610%
288	19.328	19.312	19.366	VV	28615	788540	7.75%	0.299%
289	19.418	19.366	19.462	VV	299053	5294773	52.04%	2.008%
290	19.486	19.462	19.508	VV	47806	986966	9.70%	0.374%
291	19.526	19.508	19.561	VV	32293	863126	8.48%	0.327%
292	19.612	19.561	19.653	VV	30651	1418941	13.95%	0.538%
293	19.685	19.653	19.733	VV	36659	1475236	14.50%	0.559%
294	19.769	19.733	19.862	VV	42006	2609361	25.65%	0.989%
295	19.874	19.862	19.885	VV	29135	381852	3.75%	0.145%
296	19.899	19.885	19.918	VV	30859	571644	5.62%	0.217%
297	19.939	19.918	19.953	VV	28638	601746	5.91%	0.228%
298	19.992	19.953	20.021	VV	36732	1309486	12.87%	0.497%
299	20.064	20.021	20.075	VV	35112	1065650	10.47%	0.404%

Instrument :

FID_C

ClientSampleId :

5MSD

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/04/2025
Supervised By :Yogesh Patel 11/04/2025

					rters			
300	20.097	20.075	20.118	VV	36613	871671	8.57%	0.331%
301	20.159	20.118	20.234	VV	284683	6066632		
302	20.276	20.234	20.288	VV	33133	953414		
303	20.297	20.288	20.313	VV	32674	493013		
304	20.330	20.313	20.346	VV	32020	622932		
305	20.390	20.346	20.416	VV	34798	1389549		
306	20.423	20.416	20.455	VV	31219	696233	6.84%	0.264%
307	20.514	20.455	20.537	VV	34486	1543186	15.17%	0.585%
308	20.576	20.537	20.617	VV	40371	1782538	17.52%	0.676%
309	20.630	20.617	20.684	VV	35217	1348583	13.25%	0.511%
310	20.713	20.684	20.801	VV	34730	2085028	20.49%	0.791%
311	20.815	20.801	20.834	VV	25393	495163	4.87%	0.188%
312	20.851	20.834	20.871	VV	25222	542132	5.33%	0.206%
313	20.919	20.871	20.964	VV	227378	4995669	49.10%	1.894%
314	20.983	20.964	21.018	VV	26272	779595	7.66%	0.296%
315	21.043	21.018	21.108	VV	21285	1064131	10.46%	0.403%
316	21.139	21.108	21.186	VV	18337	814908	8.01%	0.309%
317	21.199	21.186	21.206	VV	17195	203206	2.00%	0.077%
318	21.227	21.206	21.283	VV	18069	783270	7.70%	0.297%
319	21.358	21.283	21.385	VV	17215	1000365	9.83%	0.379%
320	21.429	21.385	21.454	VV	18527	706151	6.94%	0.268%
321	21.463	21.454	21.498	VV	16683	411221	4.04%	0.156%
322	21.512	21.498	21.530	VV	14931	280925	2.76%	0.107%
323	21.601	21.530	21.614	VV	15163	731913	7.19%	0.278%
324	21.619	21.614	21.625	VV	14550	89491	0.88%	0.034%
325	21.634	21.625	21.664	VV	14747	338817	3.33%	0.128%
326	21.671	21.664	21.682	VV	14211	148626	1.46%	0.056%
327	21.690	21.682	21.721	VV	14133	298047	2.93%	0.113%
328	21.747	21.721	21.789	VV	12107	444757	4.37%	0.169%
329	21.874	21.789	21.940	VV	161145	4484593	44.08%	1.700%
330	21.953	21.940	21.962	VV	8015	103104	1.01%	0.039%
331	21.967	21.962	21.976	VV	7790	64765	0.64%	0.025%
332	22.001	21.976	22.014	VV	8450	179914	1.77%	0.068%
333	22.086	22.014	22.178	VV	10594	857476	8.43%	0.325%
334	22.190	22.178	22.315	VV	5990	260267	2.56%	0.099%
Sum of corrected areas:					263737017			

Instrument :

FID_C

ClientSampleId :

5MSD

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/04/2025

Supervised By :Yogesh Patel 11/04/2025

Aliphatic EPH 100725.M Tue Nov 04 04:46:54 2025



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

Manual Integration Report

Sequence:	FC100725AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
10 PPM ALIPHATIC HC	FC069940.D	n-Tetratriacontane (C34)	yogesh	10/7/2025 10:33:24 AM	mohammad	10/8/2025 3:35:18	Peak Integrated by Software

Manual Integration Report

Sequence:	FC110325AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC070116.D	n-Dotriacontane (C32)	rahul	11/4/2025 8:43:27 AM	yogesh	11/4/2025 10:13:51	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC070116.D	n-Hexatriacontane (C36)	rahul	11/4/2025 8:43:27 AM	yogesh	11/4/2025 10:13:51	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC070116.D	n-Octatriacontane (C38)	rahul	11/4/2025 8:43:27 AM	yogesh	11/4/2025 10:13:51	Peak Integrated by Software
IDOC-01	FC070117.D	n-Dotriacontane (C32)	rahul	11/4/2025 8:43:31 AM	yogesh	11/4/2025 10:13:53	Peak Integrated by Software
IDOC-01	FC070117.D	n-Hexatriacontane (C36)	rahul	11/4/2025 8:43:31 AM	yogesh	11/4/2025 10:13:53	Peak Integrated by Software
IDOC-01	FC070117.D	n-Octatriacontane (C38)	rahul	11/4/2025 8:43:31 AM	yogesh	11/4/2025 10:13:53	Peak Integrated by Software
IDOC-02	FC070118.D	n-Dotriacontane (C32)	rahul	11/4/2025 8:43:36 AM	yogesh	11/4/2025 10:13:56	Peak Integrated by Software
IDOC-02	FC070118.D	n-Hexatriacontane (C36)	rahul	11/4/2025 8:43:36 AM	yogesh	11/4/2025 10:13:56	Peak Integrated by Software
IDOC-02	FC070118.D	n-Octatriacontane (C38)	rahul	11/4/2025 8:43:36 AM	yogesh	11/4/2025 10:13:56	Peak Integrated by Software
IDOC-03	FC070119.D	n-Dotriacontane (C32)	rahul	11/4/2025 8:43:39 AM	yogesh	11/4/2025 10:13:58	Peak Integrated by Software
IDOC-03	FC070119.D	n-Hexatriacontane (C36)	rahul	11/4/2025 8:43:39 AM	yogesh	11/4/2025 10:13:58	Peak Integrated by Software
IDOC-03	FC070119.D	n-Octatriacontane (C38)	rahul	11/4/2025 8:43:39 AM	yogesh	11/4/2025 10:13:58	Peak Integrated by Software
IDOC-04	FC070120.D	n-Dotriacontane (C32)	rahul	11/4/2025 8:43:41 AM	yogesh	11/4/2025 10:14:00	Peak Integrated by Software

Manual Integration Report

Sequence:	FC110325AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
IDOC-04	FC070120.D	n-Hexatriacontane (C36)	rahul	11/4/2025 8:43:41 AM	yogesh	11/4/2025 10:14:00	Peak Integrated by Software
IDOC-04	FC070120.D	n-Octatriacontane (C38)	rahul	11/4/2025 8:43:41 AM	yogesh	11/4/2025 10:14:00	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC070122.D	n-Dotriacontane (C32)	rahul	11/4/2025 8:43:43 AM	yogesh	11/4/2025 10:14:03	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC070122.D	n-Hexatriacontane (C36)	rahul	11/4/2025 8:43:43 AM	yogesh	11/4/2025 10:14:03	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC070122.D	n-Octatriacontane (C38)	rahul	11/4/2025 8:43:43 AM	yogesh	11/4/2025 10:14:03	Peak Integrated by Software
PB170385BS	FC070124.D	n-Dotriacontane (C32)	rahul	11/4/2025 8:43:46 AM	yogesh	11/4/2025 10:14:05	Peak Integrated by Software
PB170385BS	FC070124.D	n-Hexatriacontane (C36)	rahul	11/4/2025 8:43:46 AM	yogesh	11/4/2025 10:14:05	Peak Integrated by Software
PB170385BS	FC070124.D	n-Octacosane (C28)	rahul	11/4/2025 8:43:46 AM	yogesh	11/4/2025 10:14:05	Peak Integrated by Software
PB170385BS	FC070124.D	n-Octatriacontane (C38)	rahul	11/4/2025 8:43:46 AM	yogesh	11/4/2025 10:14:05	Peak Integrated by Software
PB170385BSD	FC070125.D	n-Dotriacontane (C32)	rahul	11/4/2025 8:43:49 AM	yogesh	11/4/2025 10:14:07	Peak Integrated by Software
PB170385BSD	FC070125.D	n-Hexatriacontane (C36)	rahul	11/4/2025 8:43:49 AM	yogesh	11/4/2025 10:14:07	Peak Integrated by Software
PB170385BSD	FC070125.D	n-Octacosane (C28)	rahul	11/4/2025 8:43:49 AM	yogesh	11/4/2025 10:14:07	Peak Integrated by Software
PB170385BSD	FC070125.D	n-Octatriacontane (C38)	rahul	11/4/2025 8:43:49 AM	yogesh	11/4/2025 10:14:07	Peak Integrated by Software

Manual Integration Report

Sequence:	FC110325AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3474-07MS	FC070131.D	n-Dotriacontane (C32)	rahul	11/4/2025 8:43:51 AM	yogesh	11/4/2025 10:14:08	Peak Integrated by Software
Q3474-07MS	FC070131.D	n-Hexatriacontane (C36)	rahul	11/4/2025 8:43:51 AM	yogesh	11/4/2025 10:14:08	Peak Integrated by Software
Q3474-07MS	FC070131.D	n-Octacosane (C28)	rahul	11/4/2025 8:43:51 AM	yogesh	11/4/2025 10:14:08	Peak Integrated by Software
Q3474-07MS	FC070131.D	n-Octatriacontane (C38)	rahul	11/4/2025 8:43:51 AM	yogesh	11/4/2025 10:14:08	Peak Integrated by Software
Q3474-07MSD	FC070132.D	n-Dotriacontane (C32)	rahul	11/4/2025 8:43:54 AM	yogesh	11/4/2025 10:14:10	Peak Integrated by Software
Q3474-07MSD	FC070132.D	n-Hexatriacontane (C36)	rahul	11/4/2025 8:43:54 AM	yogesh	11/4/2025 10:14:10	Peak Integrated by Software
Q3474-07MSD	FC070132.D	n-Octacosane (C28)	rahul	11/4/2025 8:43:54 AM	yogesh	11/4/2025 10:14:10	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC070134.D	n-Dotriacontane (C32)	rahul	11/4/2025 8:43:57 AM	yogesh	11/4/2025 10:14:12	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC070134.D	n-Octatriacontane (C38)	rahul	11/4/2025 8:43:57 AM	yogesh	11/4/2025 10:14:12	Peak Integrated by Software

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:

FE110425AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE056654.D	n-Tetracontane (C40)	rahul	11/5/2025 8:42:09 AM	yogesh	11/5/2025 10:22:38	Peak Integrated by Software
Q3516-01DL	FE056656.D	ortho-Terphenyl (SURR)	rahul	11/5/2025 8:42:12 AM	yogesh	11/5/2025 10:22:40	Peak Integrated by Software
Q3520-01DL	FE056660.D	ortho-Terphenyl (SURR)	rahul	11/5/2025 8:42:15 AM	yogesh	11/5/2025 10:22:41	Peak Integrated by Software
Q3520-02DL	FE056661.D	1-chlorooctadecane (SURR)	rahul	11/5/2025 8:42:20 AM	yogesh	11/5/2025 10:22:43	Peak Integrated by Software
Q3503-05DL	FE056662.D	1-chlorooctadecane (SURR)	rahul	11/5/2025 8:42:22 AM	yogesh	11/5/2025 10:22:45	Peak Integrated by Software
Q3503-05DL	FE056662.D	ortho-Terphenyl (SURR)	rahul	11/5/2025 8:42:22 AM	yogesh	11/5/2025 10:22:45	Peak Integrated by Software

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC100725AL

Review By	yogesh	Review On	10/7/2025 10:33:30 AM
Supervise By	mohammad	Supervise On	10/8/2025 3:35:18 AM
SubDirectory	FC100725AL	HP Acquire Method	HP Processing Method FC100725AL
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	FC069935.D	06 Oct 2025 14:47	YP/AJ	Ok
2	I.BLK	FC069936.D	06 Oct 2025 15:31	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC069937.D	06 Oct 2025 16:17	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC069938.D	06 Oct 2025 17:03	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC069939.D	06 Oct 2025 17:50	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC069940.D	06 Oct 2025 18:35	YP/AJ	Ok,M
7	5 PPM ALIPHATIC HC STD5	FC069941.D	06 Oct 2025 19:19	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC069942.D	06 Oct 2025 20:02	YP/AJ	Ok
9	I.BLK	FC069943.D	06 Oct 2025 21:29	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069944.D	06 Oct 2025 22:12	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC110325AL

Review By	rahul	Review On	11/3/2025 1:55:40 PM
Supervise By	yogesh	Supervise On	11/4/2025 10:14:30 AM
SubDirectory	FC110325AL	HP Acquire Method	HP Processing Method FC100725AL
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	FC070114.D	03 Nov 2025 08:46	YP/AJ	Ok
2	I.BLK	FC070115.D	03 Nov 2025 09:26	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC070116.D	03 Nov 2025 10:06	YP/AJ	Ok,M
4	IDOC-01	FC070117.D	03 Nov 2025 10:49	YP/AJ	Ok,M
5	IDOC-02	FC070118.D	03 Nov 2025 12:10	YP/AJ	Ok,M
6	IDOC-03	FC070119.D	03 Nov 2025 12:49	YP/AJ	Ok,M
7	IDOC-04	FC070120.D	03 Nov 2025 13:30	YP/AJ	Ok,M
8	I.BLK	FC070121.D	03 Nov 2025 14:11	YP/AJ	Ok
9	20 PPM ALIPHATIC HC STD	FC070122.D	03 Nov 2025 14:52	YP/AJ	Ok,M
10	PB170385BL	FC070123.D	03 Nov 2025 15:33	YP/AJ	Ok
11	PB170385BS	FC070124.D	03 Nov 2025 16:15	YP/AJ	Ok,M
12	PB170385BSD	FC070125.D	03 Nov 2025 16:56	YP/AJ	Ok,M
13	Q3474-03	FC070126.D	03 Nov 2025 17:38	YP/AJ	Ok
14	Q3474-04	FC070127.D	03 Nov 2025 18:21	YP/AJ	Ok
15	Q3474-05	FC070128.D	03 Nov 2025 19:04	YP/AJ	ReRun
16	Q3474-06	FC070129.D	03 Nov 2025 19:45	YP/AJ	Ok
17	Q3474-07	FC070130.D	03 Nov 2025 20:27	YP/AJ	Ok
18	Q3474-07MS	FC070131.D	03 Nov 2025 21:08	YP/AJ	Ok,M
19	Q3474-07MSD	FC070132.D	03 Nov 2025 21:49	YP/AJ	Ok,M
20	I.BLK	FC070133.D	03 Nov 2025 23:11	YP/AJ	Ok
21	20 PPM ALIPHATIC HC STD	FC070134.D	03 Nov 2025 23:52	YP/AJ	Ok,M

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 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 # FE110425AL

Review By	rahul	Review On	11/5/2025 8:42:35 AM
Supervise By	yogesh	Supervise On	11/5/2025 10:22:53 AM
SubDirectory	FE110425AL	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	FE056652.D	04 Nov 2025 06:09	YP\AJ	Ok
2	I.BLK	FE056653.D	04 Nov 2025 06:39	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE056654.D	04 Nov 2025 07:09	YP\AJ	Ok,M
4	Q3515-02DL	FE056655.D	04 Nov 2025 07:49	YP\AJ	Ok
5	Q3516-01DL	FE056656.D	04 Nov 2025 08:19	YP\AJ	Ok,M
6	Q3516-02DL	FE056657.D	04 Nov 2025 08:49	YP\AJ	Ok
7	Q3519-01DL	FE056658.D	04 Nov 2025 09:20	YP\AJ	Ok
8	Q3519-02DL	FE056659.D	04 Nov 2025 09:50	YP\AJ	Ok
9	Q3520-01DL	FE056660.D	04 Nov 2025 10:20	YP\AJ	Ok,M
10	Q3520-02DL	FE056661.D	04 Nov 2025 10:50	YP\AJ	Ok,M
11	Q3503-05DL	FE056662.D	04 Nov 2025 11:21	YP\AJ	Ok,M
12	Q3474-05	FE056663.D	04 Nov 2025 11:51	YP\AJ	Ok
13	I.BLK	FE056664.D	04 Nov 2025 12:51	YP\AJ	Ok
14	20 PPM ALIPHATIC HC STD	FE056665.D	04 Nov 2025 13:21	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC100725AL

Review By	yogesh	Review On	10/7/2025 10:33:30 AM
Supervise By	mohammad	Supervise On	10/8/2025 3:35:18 AM
SubDirectory	FC100725AL	HP Acquire Method	HP Processing Method FC100725AL
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	FC069935.D	06 Oct 2025 14:47		YP/AJ	Ok
2	I.BLK	I.BLK	FC069936.D	06 Oct 2025 15:31		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC069937.D	06 Oct 2025 16:17		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC069938.D	06 Oct 2025 17:03		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069939.D	06 Oct 2025 17:50		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC069940.D	06 Oct 2025 18:35		YP/AJ	Ok,M
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC069941.D	06 Oct 2025 19:19		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069942.D	06 Oct 2025 20:02		YP/AJ	Ok
9	I.BLK	I.BLK	FC069943.D	06 Oct 2025 21:29		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069944.D	06 Oct 2025 22:12		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC110325AL

Review By	rahul	Review On	11/3/2025 1:55:40 PM
Supervise By	yogesh	Supervise On	11/4/2025 10:14:30 AM
SubDirectory	FC110325AL	HP Acquire Method	HP Processing Method FC100725AL
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	FC070114.D	03 Nov 2025 08:46		YP/AJ	Ok
2	I.BLK	I.BLK	FC070115.D	03 Nov 2025 09:26		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC070116.D	03 Nov 2025 10:06		YP/AJ	Ok,M
4	IDOC-01	IDOC-01	FC070117.D	03 Nov 2025 10:49		YP/AJ	Ok,M
5	IDOC-02	IDOC-02	FC070118.D	03 Nov 2025 12:10		YP/AJ	Ok,M
6	IDOC-03	IDOC-03	FC070119.D	03 Nov 2025 12:49		YP/AJ	Ok,M
7	IDOC-04	IDOC-04	FC070120.D	03 Nov 2025 13:30		YP/AJ	Ok,M
8	I.BLK	I.BLK	FC070121.D	03 Nov 2025 14:11		YP/AJ	Ok
9	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC070122.D	03 Nov 2025 14:52		YP/AJ	Ok,M
10	PB170385BL	PB170385BL	FC070123.D	03 Nov 2025 15:33		YP/AJ	Ok
11	PB170385BS	PB170385BS	FC070124.D	03 Nov 2025 16:15		YP/AJ	Ok,M
12	PB170385BSD	PB170385BSD	FC070125.D	03 Nov 2025 16:56		YP/AJ	Ok,M
13	Q3474-03	1	FC070126.D	03 Nov 2025 17:38		YP/AJ	Ok
14	Q3474-04	2	FC070127.D	03 Nov 2025 18:21		YP/AJ	Ok
15	Q3474-05	Q3474-05	FC070128.D	03 Nov 2025 19:04	Surrogate fail	YP/AJ	ReRun
16	Q3474-06	4	FC070129.D	03 Nov 2025 19:45		YP/AJ	Ok
17	Q3474-07	5	FC070130.D	03 Nov 2025 20:27		YP/AJ	Ok
18	Q3474-07MS	5MS	FC070131.D	03 Nov 2025 21:08	FC070130.D	YP/AJ	Ok,M

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC110325AL

Review By	rahul	Review On	11/3/2025 1:55:40 PM
Supervise By	yogesh	Supervise On	11/4/2025 10:14:30 AM
SubDirectory	FC110325AL	HP Acquire Method	HP Processing Method FC100725AL

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

19	Q3474-07MSD	5MSD	FC070132.D	03 Nov 2025 21:49	FC070130.D!FC070131.D	YP/AJ	Ok,M
20	I.BLK	I.BLK	FC070133.D	03 Nov 2025 23:11		YP/AJ	Ok
21	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC070134.D	03 Nov 2025 23:52		YP/AJ	Ok,M

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 HC	100 PPM ALIPHATIC HC	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 Internal Standard/PEM	PP24771		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24769,PP24774		

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 # FE110425AL

Review By	rahul	Review On	11/5/2025 8:42:35 AM
Supervise By	yogesh	Supervise On	11/5/2025 10:22:53 AM
SubDirectory	FE110425AL	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	FE056652.D	04 Nov 2025 06:09		YP\AJ	Ok
2	I.BLK	I.BLK	FE056653.D	04 Nov 2025 06:39		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056654.D	04 Nov 2025 07:09		YP\AJ	Ok,M
4	Q3515-02DL	SU-04-103125-E2DL	FE056655.D	04 Nov 2025 07:49		YP\AJ	Ok
5	Q3516-01DL	HD-01-103125DL	FE056656.D	04 Nov 2025 08:19		YP\AJ	Ok,M
6	Q3516-02DL	HD-01-103125-E2DL	FE056657.D	04 Nov 2025 08:49		YP\AJ	Ok
7	Q3519-01DL	PL-01-103125DL	FE056658.D	04 Nov 2025 09:20		YP\AJ	Ok
8	Q3519-02DL	PL-01-103125-E2DL	FE056659.D	04 Nov 2025 09:50		YP\AJ	Ok
9	Q3520-01DL	EO-02-103125DL	FE056660.D	04 Nov 2025 10:20		YP\AJ	Ok,M
10	Q3520-02DL	EO-02-103125-E2DL	FE056661.D	04 Nov 2025 10:50		YP\AJ	Ok,M
11	Q3503-05DL	324DL	FE056662.D	04 Nov 2025 11:21		YP\AJ	Ok,M
12	Q3474-05	3	FE056663.D	04 Nov 2025 11:51		YP\AJ	Ok
13	I.BLK	I.BLK	FE056664.D	04 Nov 2025 12:51		YP\AJ	Ok
14	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056665.D	04 Nov 2025 13:21		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:40
In Date: 10/27/2025
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: 10/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137661

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
Q3459-01	Y2404-0071-END-1-1	1	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-02	Y2404-0071-END-1-2	2	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-03	Y2404-0071-END-2-1	3	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-04	Y2404-0071-END-2-2	4	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-05	BC259240LOK-END-1-1	5	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-06	BC259240LOK-END-1-2	6	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-07	BC271327-END-1-1	7	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-08	BC271327-END-1-2	8	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-09	BC271327-END-2-1	9	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-10	BC271327-END-2-2	10	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-11	BC283118LOK-END-1-1	11	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-12	BC283118LOK-END-1-2	12	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-13	BC283118LOK-END-2-1	13	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-14	BC283118LOK-END-2-2	14	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-15	BC283118LOK-END-3-1	15	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-16	BC283118LOK-END-3-2	16	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-17	BC283118LOK-END-4-1	17	1.00	1.00	2.00	2.00	100.0	PILC
Q3459-18	BC283118LOK-END-4-2	18	1.00	1.00	2.00	2.00	100.0	PILC
Q3461-01	SS-9R(4.5-5.0)	19	1.18	10.38	11.56	10.34	88.2	
Q3461-02	SS-9R(5.0-5.5)	20	1.19	10.46	11.65	10.07	84.9	
Q3461-03	SS-25(4.5-5.0)	21	1.19	10.39	11.58	9.76	82.5	
Q3461-04	SS-25(5.0-5.5)	22	1.12	11.10	12.22	10.89	88.0	
Q3465-01	SU-03-10242025	23	1.16	10.29	11.45	10.74	93.1	
Q3465-02	SU-03-10242025-E2	24	1.18	10.49	11.67	10.23	86.3	
Q3466-01	B8-0.5-1.0-20251023	25	1.17	10.34	11.51	9.6	81.5	
Q3466-02	B8-0.0-1.0-20251023	26	1.16	10.36	11.52	10.00	85.3	
Q3466-04	B9-0.5-1.0-20251023	27	1.17	10.38	11.55	9.85	83.6	
Q3466-05	B9-0.0-1.0-20251023	28	1.18	10.42	11.6	9.85	83.2	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:40
In Date: 10/27/2025
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: 10/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137661

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
Q3466-06	B7-1.5-2.0-20251023	29	1.14	10.35	11.49	10.57	91.1	
Q3466-07	B7-1.0-2.0-20251023	30	1.16	10.65	11.81	10.66	89.2	
Q3469-01	TP-13	31	1.18	10.10	11.28	10.38	91.1	
Q3469-02	TP-13-EPH	32	1.12	11.10	12.22	10.21	81.9	
Q3469-03	TP-13-VOC	33	1.11	10.41	11.52	10.52	90.4	
Q3470-01	PILC-1	34	1.00	1.00	2.00	2.00	100.0	PILC
Q3470-02	PILC-2	35	1.00	1.00	2.00	2.00	100.0	PILC
Q3472-04	COMP-1	36	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3472-06	COMP-2	37	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3472-08	COMP-3	38	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3472-10	COMP-4	39	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3472-12	COMP-5	40	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3472-14	155	41	1.00	1.00	2.00	2.00	100.0	debris
Q3472-16	142	42	1.00	1.00	2.00	2.00	100.0	oil sample
Q3472-18	137	43	1.00	1.00	2.00	2.00	100.0	oil sample
Q3474-01	WASTE	44	1.18	10.39	11.57	10.24	87.2	
Q3474-02	VOC	45	1.11	10.43	11.54	10.14	86.6	
Q3474-03	1	46	1.18	10.32	11.5	9.87	84.2	
Q3474-04	2	47	1.19	10.47	11.66	9.97	83.9	
Q3474-05	3	48	1.16	10.56	11.72	10.32	86.7	
Q3474-06	4	49	1.18	10.27	11.45	10.1	86.9	
Q3474-07	5	50	1.16	10.61	11.77	10.27	85.9	

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

WORKLIST(Hardcopy Internal Chain)

10/27/25

WorkList Name : %1-102725 WorkList ID : 192686 Department : Wet-Chemistry Date : 10-27-2025 08:17:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3459-01	Y2404-0071-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-02	Y2404-0071-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-03	Y2404-0071-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-04	Y2404-0071-END-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-05	BC259240LOK-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-06	BC259240LOK-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-07	BC271327-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-08	BC271327-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-09	BC271327-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-10	BC271327-END-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-11	BC283118LOK-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-12	BC283118LOK-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-13	BC283118LOK-END-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-14	BC283118LOK-END-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-15	BC283118LOK-END-3-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-16	BC283118LOK-END-3-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-17	BC283118LOK-END-4-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3459-18	BC283118LOK-END-4-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/24/2025	Chemtech -SO
Q3461-01	SS-9R(4.5-5.0)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/24/2025	Chemtech -SO
Q3461-02	SS-9R(5.0-5.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/24/2025	Chemtech -SO
Q3461-03	SS-25(4.5-5.0)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/24/2025	Chemtech -SO

Date/Time 10/27/25 17:45
 Raw Sample Received by: JH WOC
 Raw Sample Relinquished by: JH WOC

WORKLIST(Hardcopy Internal Chain)

137661

WorkList Name : %1-102725 WorkList ID : 192686 Department : Wet-Chemistry Date : 10-27-2025 08:17:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3461-04	SS-25(5.0-5.5)	Solid	Percent Solids	Cool 4 deg C	MATR02	D41	10/24/2025	Chemtech -SO
Q3465-01	SU-03-10242025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/24/2025	Chemtech -SO
Q3465-02	SU-03-10242025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/24/2025	Chemtech -SO
Q3466-01	B8-0.5-1.0-20251023	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	10/23/2025	Chemtech -SO
Q3466-02	B8-0.0-1.0-20251023	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	10/23/2025	Chemtech -SO
Q3466-04	B9-0.5-1.0-20251023	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	10/23/2025	Chemtech -SO
Q3466-05	B9-0.0-1.0-20251023	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	10/23/2025	Chemtech -SO
Q3466-06	B7-1.5-2.0-20251023	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	10/23/2025	Chemtech -SO
Q3466-07	B7-1.0-2.0-20251023	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	10/23/2025	Chemtech -SO
Q3469-01	TP-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/25/2025	Chemtech -SO
Q3469-02	TP-13-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/25/2025	Chemtech -SO
Q3469-03	TP-13-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/25/2025	Chemtech -SO
Q3470-01	PILC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3470-02	PILC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3472-04	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3472-06	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3472-08	COMP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3472-10	COMP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3472-12	COMP-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3472-14	155	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3472-16	142	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO

Date/Time 10/27/25 Date/Time 10/27/25
 Raw Sample Received by: 88 WOC Raw Sample Received by: CP8
 Raw Sample Relinquished by: CP8 Raw Sample Relinquished by: CP8

WORKLIST(Hardcopy Internal Chain)

VB 137661

WorkList Name : %1-102725

WorkList ID : 192686

Department : Wet-Chemistry

Date : 10-27-2025 08:17:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3472-18	137	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/27/2025	Chemtech -SO
Q3474-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	J31	10/27/2025	Chemtech -SO
Q3474-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	J31	10/27/2025	Chemtech -SO
Q3474-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	J31	10/27/2025	Chemtech -SO
Q3474-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	J31	10/27/2025	Chemtech -SO
Q3474-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	J31	10/27/2025	Chemtech -SO
Q3474-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	J31	10/27/2025	Chemtech -SO
Q3474-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	J31	10/27/2025	Chemtech -SO

Date/Time 10/27/25 13:30

Raw Sample Received by: gg wec

Raw Sample Relinquished by: gg wec

Date/Time 10/27/25 17:45

Raw Sample Received by: gg wec

Raw Sample Relinquished by: gg wec

SOP ID:	MNJDEP-EPH-8		
Clean Up SOP #:	N/A	Extraction Start Date :	11/03/2025
Matrix :	Solid	Extraction Start Time :	09:40
Weigh By:	EH	Extraction By:	RJ
Balance check:	EH	Filter By:	RJ
Balance ID:	EX-SC-2	Extraction End Date :	11/03/2025
pH Strip Lot#:	N/A	Extraction End Time :	12:45
		Concentration By:	EH
		Supervisor By :	RUPESH
Extraction Method:	☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP25005
Surrogate	1.0ML	100 PPM	PP25012
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	EP2641
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Methylene Chloride	N/A	E3980
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

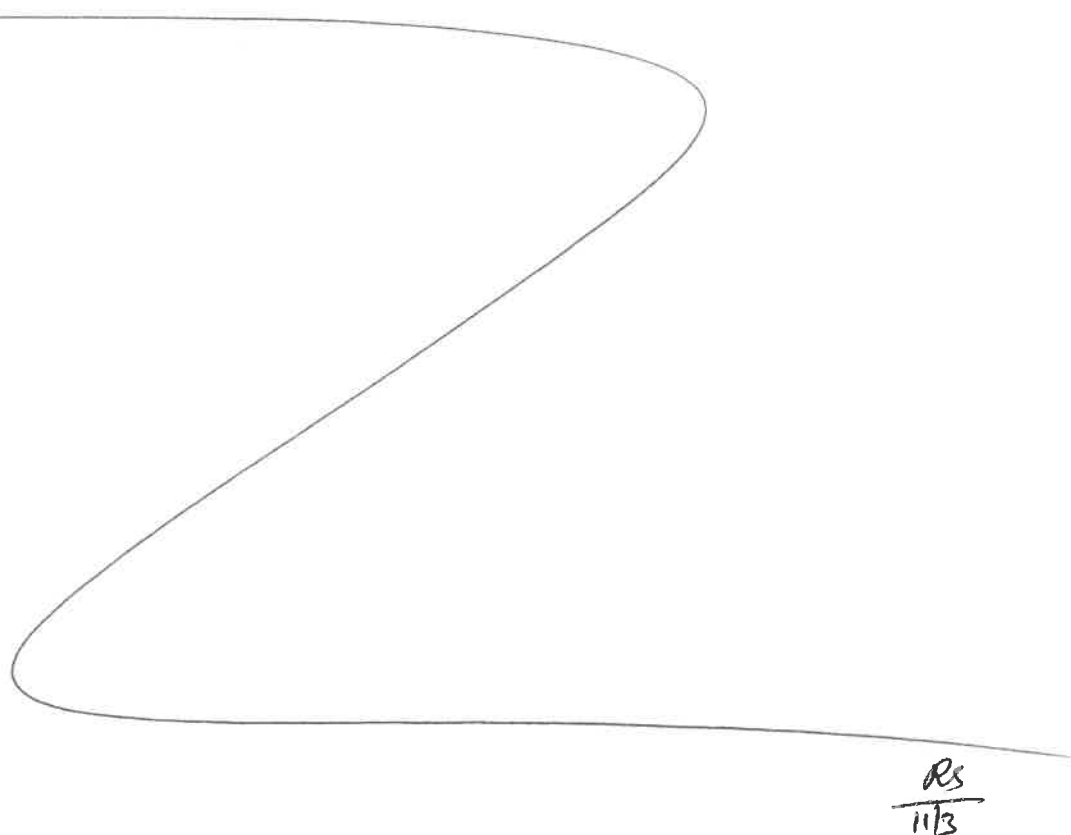
KD Bath ID:	N/A	Envap ID:	N-EVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/3/25	RSCE4-Lab	Y.P. PESTHUB
12:50	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-8

Concentration Date: 11/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170385BL	PB170385BL	EPH_F2	30.02	N/A	ritesh	Evelyn	2			U1-1
PB170385BS	PB170385BS	EPH_F2	30.01	N/A	ritesh	Evelyn	2			2
PB170385BSD	PB170385BSD	EPH_F2	30.03	N/A	ritesh	Evelyn	2			3
Q3474-03	1	EPH_F2	30.04	N/A	ritesh	Evelyn	2			4
Q3474-04	2	EPH_F2	30.07	N/A	ritesh	Evelyn	2			5
Q3474-05	3	EPH_F2	30.10	N/A	ritesh	Evelyn	2			6
Q3474-06	4	EPH_F2	30.05	N/A	ritesh	Evelyn	2			U2-1
Q3474-07	5	EPH_F2	30.08	N/A	ritesh	Evelyn	2			2
Q3474-07MS	5MS	EPH_F2	30.06	N/A	ritesh	Evelyn	2			3
Q3474-07MSD	5MSD	EPH_F2	30.07	N/A	ritesh	Evelyn	2			4



170585
9:14

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3474 WorkList ID : 192860 Department : Extraction Date : 11-03-2025 09:34:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3474-03	1	Solid	EPH_F2	Cool 4 deg C	SCIA01	J31	10/27/2025	NJEPH
Q3474-04	2	Solid	EPH_F2	Cool 4 deg C	SCIA01	J31	10/27/2025	NJEPH
Q3474-05	3	Solid	EPH_F2	Cool 4 deg C	SCIA01	J31	10/27/2025	NJEPH
Q3474-06	4	Solid	EPH_F2	Cool 4 deg C	SCIA01	J31	10/27/2025	NJEPH
Q3474-07	5	Solid	EPH_F2	Cool 4 deg C	SCIA01	J31	10/27/2025	NJEPH

Date/Time 11/3/25 9:35
Raw Sample Received by: RJ (EX106)
Raw Sample Relinquished by: QP SM

Date/Time 11/3/25 9:50
Raw Sample Received by: QP SM
Raw Sample Relinquished by: RJ (EX106)

Prep Standard - Chemical Standard Summary

Order ID : Q3474

Test : EPH_F2

Prepbatch ID : PB170385,

Sequence ID/Qc Batch ID: FC110325AL,FE110425AL,

Standard ID :

EP2641,EP2655,PP24768,PP24769,PP24770,PP24771,PP24772,PP24773,PP24774,PP25005,PP25012,

Chemical ID :

E3875,E3951,E3956,E3972,E3973,E3979,E3980,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	EP2641	09/16/2025	03/16/2026	Evelyn Huang	None	None	Riteshkumar Patel
09/16/2025								

FROM 8000.00000ml of E3972 + 8000.00000ml of E3973 = 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	EP2655	10/24/2025	01/28/2026	RUPESEKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel
10/24/2025								

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)	24H1462005	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

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	09/15/2025 / Riteshkumar	09/15/2025 / Riteshkumar	E3973

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

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	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 #
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

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

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

E3972

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

 **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



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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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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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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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
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CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.3 µg/mL	+/- 5.1753
2	n-Decane (C10)	124-18-5	SHBS1019	99%	200.3 µg/mL	+/- 5.1753
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.0 µg/mL	+/- 5.1667
4	n-Tetradecane (C14)	629-59-4	STBL2522	99%	200.0 µg/mL	+/- 5.1667
5	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	200.0 µg/mL	+/- 5.1667
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.0 µg/mL	+/- 5.1667
7	n-Eicosane (C20)	112-95-8	MKCN8767	99%	200.0 µg/mL	+/- 5.1667
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.3 µg/mL	+/- 5.1753
9	n-Docosane (C22)	629-97-0	MKCQ3729	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	200.0 µg/mL	+/- 5.1667
11	n-Hexacosane (C26)	630-01-3	MKCV0107	99%	200.0 µg/mL	+/- 5.1667
12	n-Octacosane (C28)	630-02-4	BCCM2091	99%	200.0 µg/mL	+/- 5.1667
13	n-Triacontane (C30)	638-68-6	MKCW9459	99%	200.0 µg/mL	+/- 5.1667
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.0 µg/mL	+/- 5.1667
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.0 µg/mL	+/- 5.1667
16	n-Hexatriacontane (C36)	630-06-8	U30H007	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	200.0 µg/mL	+/- 5.1667



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

Description : NJEPH Aliphatics Matrix Spike Mix
NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

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

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

P14127
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CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.3 µg/mL	+/- 5.1753
2	n-Decane (C10)	124-18-5	SHBS1019	99%	200.3 µg/mL	+/- 5.1753
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.0 µg/mL	+/- 5.1667
4	n-Tetradecane (C14)	629-59-4	STBL2522	99%	200.0 µg/mL	+/- 5.1667
5	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	200.0 µg/mL	+/- 5.1667
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.0 µg/mL	+/- 5.1667
7	n-Eicosane (C20)	112-95-8	MKCN8767	99%	200.0 µg/mL	+/- 5.1667
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.3 µg/mL	+/- 5.1753
9	n-Docosane (C22)	629-97-0	MKCQ3729	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	200.0 µg/mL	+/- 5.1667
11	n-Hexacosane (C26)	630-01-3	MKCV0107	99%	200.0 µg/mL	+/- 5.1667
12	n-Octacosane (C28)	630-02-4	BCCM2091	99%	200.0 µg/mL	+/- 5.1667
13	n-Triacontane (C30)	638-68-6	MKCW9459	99%	200.0 µg/mL	+/- 5.1667
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.0 µg/mL	+/- 5.1667
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.0 µg/mL	+/- 5.1667
16	n-Hexatriacontane (C36)	630-06-8	U30H007	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	200.0 µg/mL	+/- 5.1667



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

Description : NJEPH Aliphatics Matrix Spike Mix
NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

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

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

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CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.3 µg/mL	+/- 5.1753
2	n-Decane (C10)	124-18-5	SHBS1019	99%	200.3 µg/mL	+/- 5.1753
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.0 µg/mL	+/- 5.1667
4	n-Tetradecane (C14)	629-59-4	STBL2522	99%	200.0 µg/mL	+/- 5.1667
5	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	200.0 µg/mL	+/- 5.1667
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.0 µg/mL	+/- 5.1667
7	n-Eicosane (C20)	112-95-8	MKCN8767	99%	200.0 µg/mL	+/- 5.1667
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.3 µg/mL	+/- 5.1753
9	n-Docosane (C22)	629-97-0	MKCQ3729	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	200.0 µg/mL	+/- 5.1667
11	n-Hexacosane (C26)	630-01-3	MKCV0107	99%	200.0 µg/mL	+/- 5.1667
12	n-Octacosane (C28)	630-02-4	BCCM2091	99%	200.0 µg/mL	+/- 5.1667
13	n-Triacontane (C30)	638-68-6	MKCW9459	99%	200.0 µg/mL	+/- 5.1667
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.0 µg/mL	+/- 5.1667
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.0 µg/mL	+/- 5.1667
16	n-Hexatriacontane (C36)	630-06-8	U30H007	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	200.0 µg/mL	+/- 5.1667



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

Description : NJEPH Aliphatics Matrix Spike Mix
NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

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

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

P14127
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CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.3 µg/mL	+/- 5.1753
2	n-Decane (C10)	124-18-5	SHBS1019	99%	200.3 µg/mL	+/- 5.1753
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.0 µg/mL	+/- 5.1667
4	n-Tetradecane (C14)	629-59-4	STBL2522	99%	200.0 µg/mL	+/- 5.1667
5	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	200.0 µg/mL	+/- 5.1667
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.0 µg/mL	+/- 5.1667
7	n-Eicosane (C20)	112-95-8	MKCN8767	99%	200.0 µg/mL	+/- 5.1667
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.3 µg/mL	+/- 5.1753
9	n-Docosane (C22)	629-97-0	MKCQ3729	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	200.0 µg/mL	+/- 5.1667
11	n-Hexacosane (C26)	630-01-3	MKCV0107	99%	200.0 µg/mL	+/- 5.1667
12	n-Octacosane (C28)	630-02-4	BCCM2091	99%	200.0 µg/mL	+/- 5.1667
13	n-Triacontane (C30)	638-68-6	MKCW9459	99%	200.0 µg/mL	+/- 5.1667
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.0 µg/mL	+/- 5.1667
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.0 µg/mL	+/- 5.1667
16	n-Hexatriacontane (C36)	630-06-8	U30H007	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	200.0 µg/mL	+/- 5.1667



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

Description : NJEPH Aliphatics Matrix Spike Mix
NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

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

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

P14127
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CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.3 µg/mL	+/- 5.1753
2	n-Decane (C10)	124-18-5	SHBS1019	99%	200.3 µg/mL	+/- 5.1753
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.0 µg/mL	+/- 5.1667
4	n-Tetradecane (C14)	629-59-4	STBL2522	99%	200.0 µg/mL	+/- 5.1667
5	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	200.0 µg/mL	+/- 5.1667
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.0 µg/mL	+/- 5.1667
7	n-Eicosane (C20)	112-95-8	MKCN8767	99%	200.0 µg/mL	+/- 5.1667
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.3 µg/mL	+/- 5.1753
9	n-Docosane (C22)	629-97-0	MKCQ3729	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	200.0 µg/mL	+/- 5.1667
11	n-Hexacosane (C26)	630-01-3	MKCV0107	99%	200.0 µg/mL	+/- 5.1667
12	n-Octacosane (C28)	630-02-4	BCCM2091	99%	200.0 µg/mL	+/- 5.1667
13	n-Triacontane (C30)	638-68-6	MKCW9459	99%	200.0 µg/mL	+/- 5.1667
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.0 µg/mL	+/- 5.1667
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.0 µg/mL	+/- 5.1667
16	n-Hexatriacontane (C36)	630-06-8	U30H007	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	200.0 µg/mL	+/- 5.1667



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

Description : NJEPH Aliphatics Matrix Spike Mix
NJEPH Aliphatics Matrix Spike Mix 200 µg/mL, n-Pentane, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

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

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

P14127
P14141
15
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CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Nonane (C9)	111-84-2	SHBP9752	99%	200.3 µg/mL	+/- 5.1753
2	n-Decane (C10)	124-18-5	SHBS1019	99%	200.3 µg/mL	+/- 5.1753
3	n-Dodecane (C12)	112-40-3	SHBP7054	99%	200.0 µg/mL	+/- 5.1667
4	n-Tetradecane (C14)	629-59-4	STBL2522	99%	200.0 µg/mL	+/- 5.1667
5	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	200.0 µg/mL	+/- 5.1667
6	n-Octadecane (C18)	593-45-3	UE5NG	99%	200.0 µg/mL	+/- 5.1667
7	n-Eicosane (C20)	112-95-8	MKCN8767	99%	200.0 µg/mL	+/- 5.1667
8	n-Heneicosane (C21)	629-94-7	MKCP1960	99%	200.3 µg/mL	+/- 5.1753
9	n-Docosane (C22)	629-97-0	MKCQ3729	99%	200.0 µg/mL	+/- 5.1667
10	n-Tetracosane (C24)	646-31-1	UH5GN	99%	200.0 µg/mL	+/- 5.1667
11	n-Hexacosane (C26)	630-01-3	MKCV0107	99%	200.0 µg/mL	+/- 5.1667
12	n-Octacosane (C28)	630-02-4	BCCM2091	99%	200.0 µg/mL	+/- 5.1667
13	n-Triacontane (C30)	638-68-6	MKCW9459	99%	200.0 µg/mL	+/- 5.1667
14	n-Dotriacontane (C32)	544-85-4	BCBW0661	99%	200.0 µg/mL	+/- 5.1667
15	n-Tetratriacontane (C34)	14167-59-0	6JNHB	99%	200.0 µg/mL	+/- 5.1667
16	n-Hexatriacontane (C36)	630-06-8	U30H007	99%	200.0 µg/mL	+/- 5.1667
17	n-Octatriacontane (C38)	7194-85-6	0000207852	96%	200.0 µg/mL	+/- 5.1667



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Catalog No. : 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	µg/mL	Gravimetric	
			+/- 50.0027	µg/mL	Unstressed	
			+/- 59.9491	µg/mL	Stressed	
2	n-Decane (C10) CAS # 124-18-5 Purity 99% (Lot SHBN8619)	2,014.7 µg/mL	+/- 11.8232	µg/mL	Gravimetric	
			+/- 50.0193	µg/mL	Unstressed	
			+/- 59.9689	µg/mL	Stressed	
3	Naphthalene CAS # 91-20-3 Purity 99% (Lot MKCH0219)	2,015.3 µg/mL	+/- 11.8271	µg/mL	Gravimetric	
			+/- 50.0358	µg/mL	Unstressed	
			+/- 59.9888	µg/mL	Stressed	
4	n-Dodecane (C12) CAS # 112-40-3 Purity 99% (Lot SHBN7174)	2,008.0 µg/mL	+/- 11.7841	µg/mL	Gravimetric	
			+/- 49.8538	µg/mL	Unstressed	
			+/- 59.7705	µg/mL	Stressed	
5	2-Methylnaphthalene CAS # 91-57-6 Purity 96% (Lot STBK0259)	2,007.0 µg/mL	+/- 11.7784	µg/mL	Gravimetric	
			+/- 49.8299	µg/mL	Unstressed	
			+/- 59.7419	µg/mL	Stressed	
6	n-Tetradecane (C14) CAS # 629-59-4 Purity 99% (Lot STBK2282)	2,016.7 µg/mL	+/- 11.8349	µg/mL	Gravimetric	
			+/- 50.0689	µg/mL	Unstressed	
			+/- 60.0284	µg/mL	Stressed	
7	n-Hexadecane (C16) CAS # 544-76-3 Purity 98% (Lot SHBM4146)	2,014.9 µg/mL	+/- 11.8244	µg/mL	Gravimetric	
			+/- 50.0246	µg/mL	Unstressed	
			+/- 59.9753	µg/mL	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)

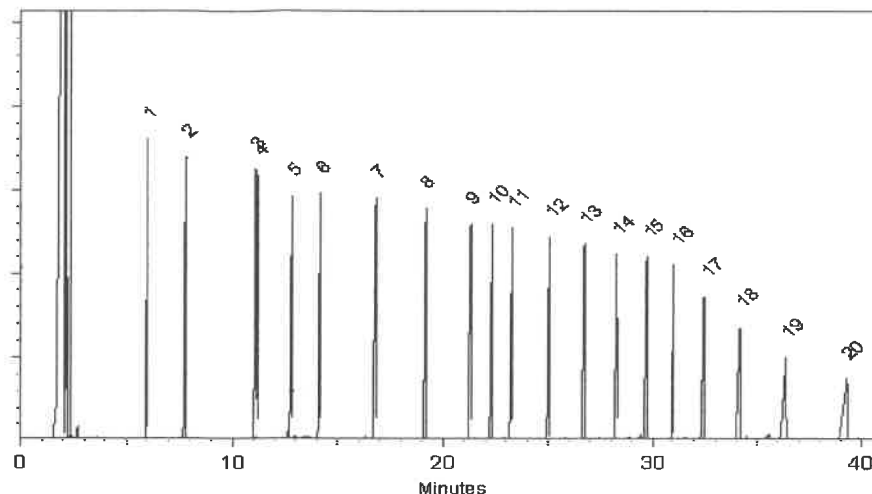
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

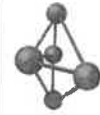
- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.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

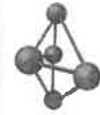
P13278
2
P13287
Y.P.
04/11/24

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.)	
																OSHA PEL (TWA)	
																CAS#	
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
2.	Naphthalene	(0222)	MKB28680V	NA	NA	NA	NA	1000	100	0.2	NA	0.02502	0.02511	1003.7	5.7	91-20-3	10 ppm (50mg/m ³ 8H) orl-rat 1630mg/kg
3.	n-Nonane	95708	120222	1.00	25.00	1000.7	1000.7	1000	NA	NA	0.013	NA	NA	1000.0	4.2	111-84-2	200 ppm (1050mg/m ³ 8H) orl-rat 490mg/kg
4.	n-Decane	95708	120222	1.00	25.00	1000.9	1000.9	1000	NA	NA	0.013	NA	NA	1000.2	4.2	124-18-5	ivn-mus 218mg/kg
5.	n-Dodecane	95708	120222	1.00	25.00	1000.7	1000.7	1000	NA	NA	0.013	NA	NA	1000.0	4.2	112-40-3	N/A
6.	n-Tetradecane	95708	120222	1.00	25.00	1002.1	1002.1	1000	NA	NA	0.013	NA	NA	1001.3	4.2	629-59-4	ivn-mus 3494mg/kg
7.	n-Hexadecane	95708	120222	1.00	25.00	1000.5	1000.5	1000	NA	NA	0.013	NA	NA	999.7	4.2	544-76-3	N/A
8.	n-Octadecane	95708	120222	1.00	25.00	1001.0	1001.0	1000	NA	NA	0.013	NA	NA	1000.3	4.1	589-45-3	N/A
9.	n-Eicosane	95708	120222	1.00	25.00	1001.0	1001.0	1000	NA	NA	0.013	NA	NA	1000.3	4.2	112-95-8	N/A
10.	n-Henicosane	95708	120222	1.00	25.00	1002.4	1002.4	1000	NA	NA	0.013	NA	NA	1001.6	4.2	629-94-7	N/A
11.	n-Docosane	95708	120222	1.00	25.00	1001.9	1001.9	1000	NA	NA	0.013	NA	NA	1001.2	4.2	629-97-0	N/A
12.	n-Tetracosane	95708	120222	1.00	25.00	1000.8	1000.8	1000	NA	NA	0.013	NA	NA	1000.1	4.2	646-31-1	N/A
13.	n-Hexacosane	95708	120222	1.00	25.00	1001.2	1001.2	1000	NA	NA	0.013	NA	NA	1000.4	4.2	630-01-3	N/A
14.	n-Octacosane	95708	120222	1.00	25.00	1000.5	1000.5	1000	NA	NA	0.013	NA	NA	999.8	4.2	630-02-4	N/A
15.	n-Triacontane	95708	120222	1.00	25.00	1000.5	1000.5	1000	NA	NA	0.013	NA	NA	999.8	4.2	638-68-6	N/A
16.	n-Dotriacontane	95708	120222	1.00	25.00	1000.5	1000.5	1000	NA	NA	0.013	NA	NA	999.8	4.3	544-85-4	ivn-mus 100mg/kg
17.	n-Tetracontane	95708	120222	1.00	25.00	1000.4	1000.4	1000	NA	NA	0.013	NA	NA	999.7	4.2	14167-59-0	N/A
18.	n-Hexatriacontane	95708	120222	1.00	25.00	1001.5	1001.5	1000	NA	NA	0.013	NA	NA	1000.8	4.2	630-08-8	N/A
19.	n-Octatriacontane	95708	120222	1.00	25.00	1000.3	1000.3	1000	NA	NA	0.013	NA	NA	999.6	4.3	7184-86-6	N/A
20.	n-Tetracontane	95708	120222	1.00	25.00	1000.6	1000.6	1000	NA	NA	0.013	NA	NA	999.9	4.3	4181-95-7	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
• Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
• Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
• Uncertainty Reference: Taylor, B.N. and Kuyal, 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:

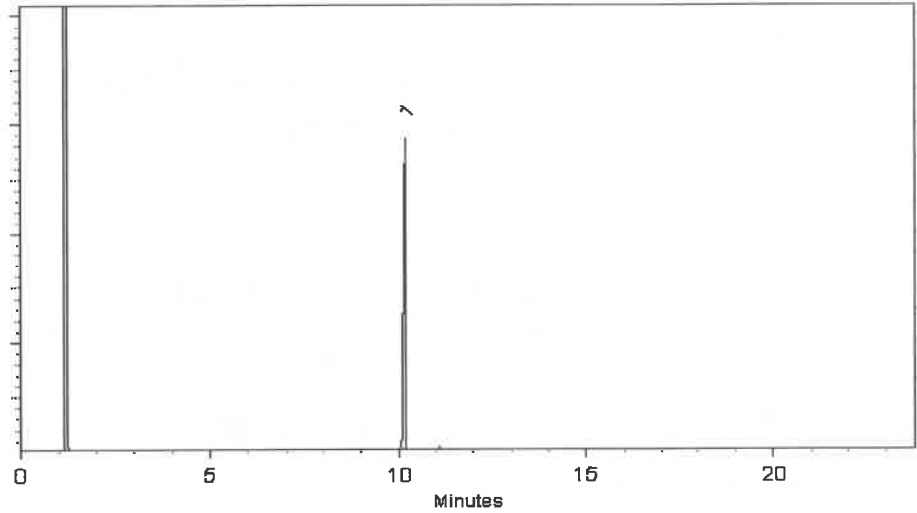
FID

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.



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. : 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:

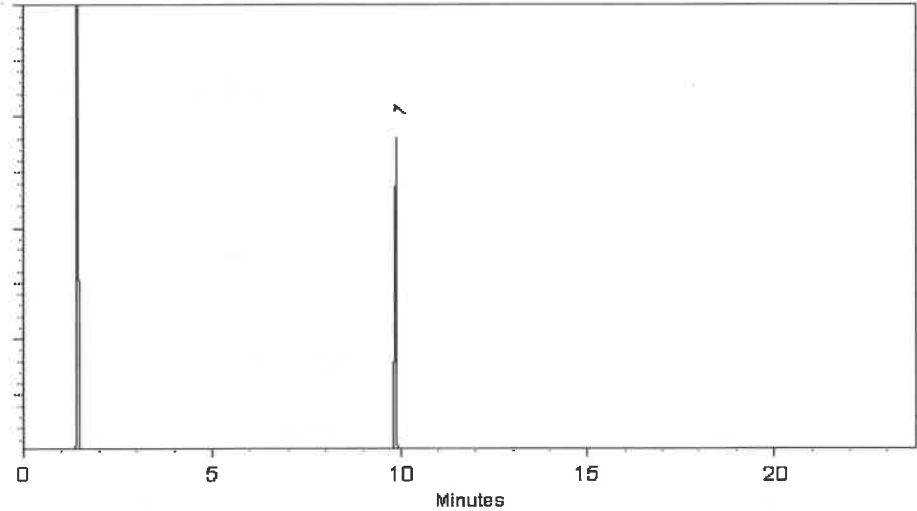
FID

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/ μ ECD, 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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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

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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. : 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 } RC/
↓
P14042 } 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:

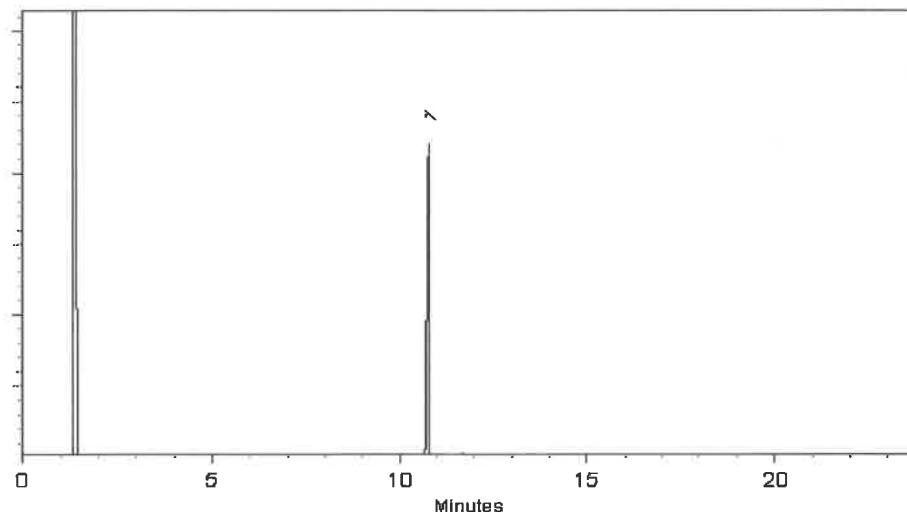
FID

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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330°C

Det. Type:

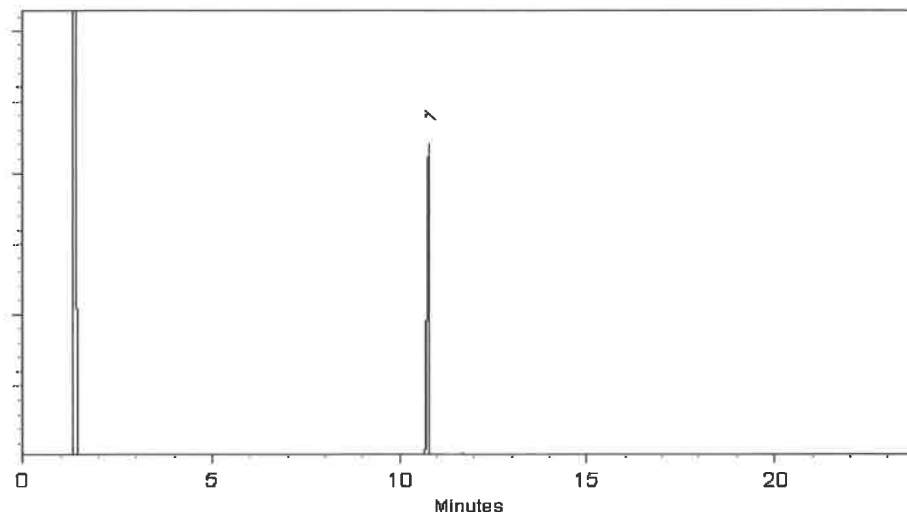
FID

Split Vent:

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Inj. Vol

1µl



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Det. Temp:

330°C

Det. Type:

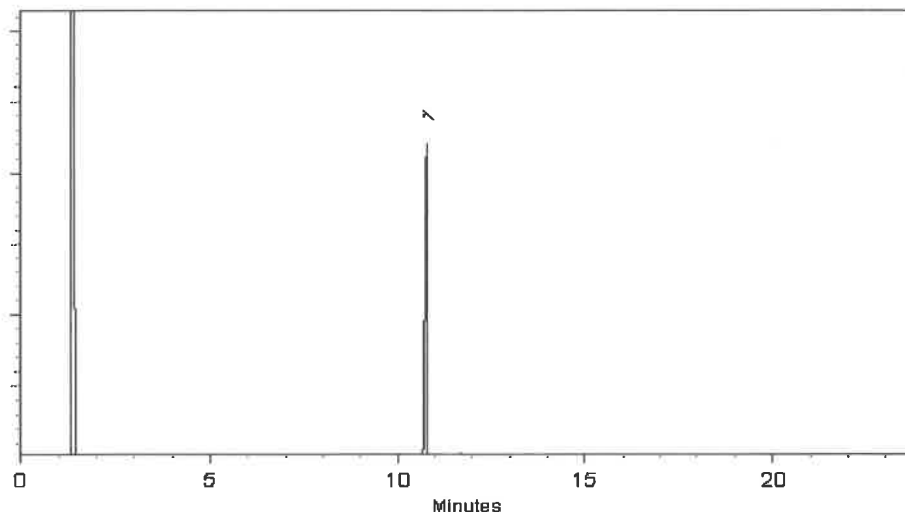
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Det. Type:

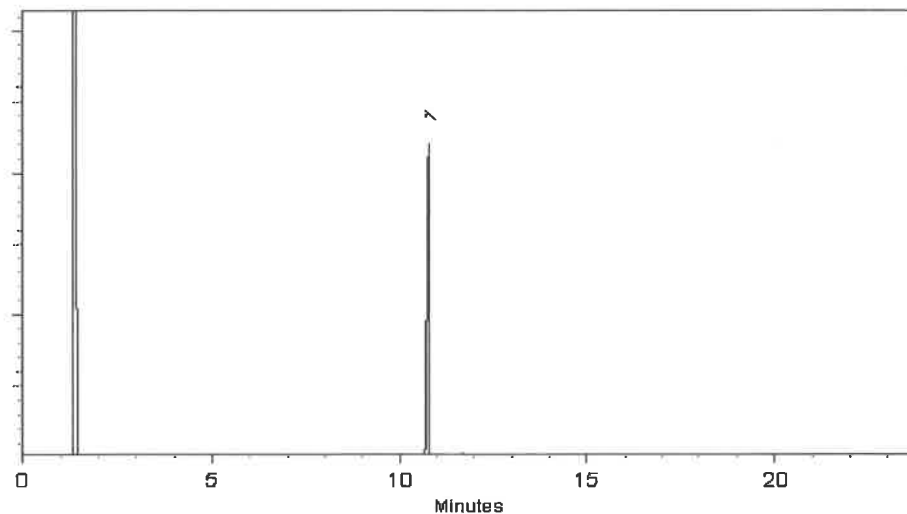
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Ship: Ambient

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P14042 } RC/
6/2/25

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Det. Type:

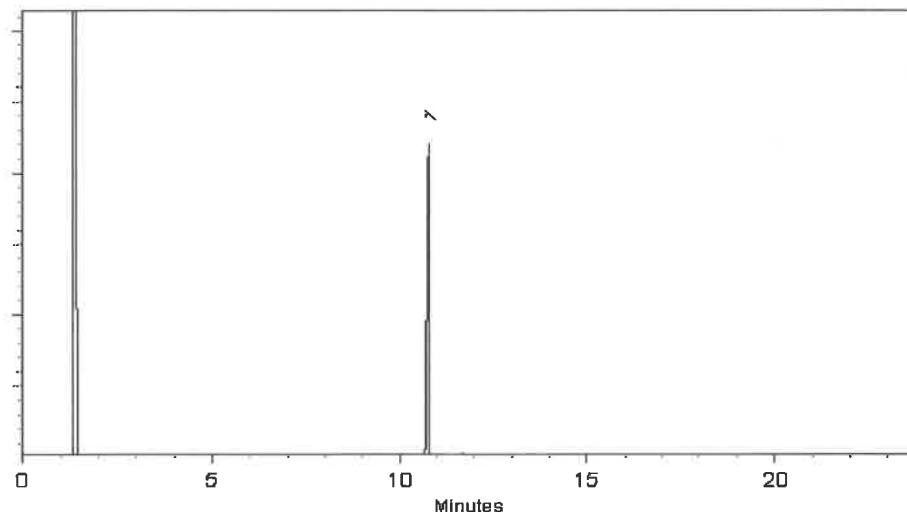
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Catalog No. : 30543 **Lot No.:** A0231145

Description : NJEPH Aromatics Matrix Spike Mix

NJEPH Aromatics Matrix Spike Mix 200µg/mL, Acetone/Toluene (50:50), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

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

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

P14195 } (40)
↓
P14234
↓
RAU
10/21/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,3-Trimethylbenzene	526-73-8	8776.10-39	98%	200.7 µg/mL	+/- 9.0431
2	Naphthalene	91-20-3	STBK9311	99%	200.8 µg/mL	+/- 9.0474
3	2-Methylnaphthalene	91-57-6	STBL3028	99%	200.4 µg/mL	+/- 9.0294
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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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
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11	Benz(a)anthracene	56-55-3	I80012022BAA	99%	200.8 µg/mL	+/- 9.0474
12	Chrysene	218-01-9	RP250926RSR	99%	200.4 µg/mL	+/- 9.0294
13	Benzo(b)fluoranthene	205-99-2	022013B	99%	200.8 µg/mL	+/- 9.0474
14	Benzo(k)fluoranthene	207-08-9	012022K	99%	201.2 µg/mL	+/- 9.0655
15	Benzo(a)pyrene	50-32-8	NQLXA	98%	200.7 µg/mL	+/- 9.0431
16	Indeno(1,2,3-cd)pyrene	193-39-5	17-YMK-40-2	99%	200.8 µg/mL	+/- 9.0474



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Catalog No. : 30543 **Lot No.:** A0231145

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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
↓
RAU
10/21/25

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Container Size : 5 mL **Pkg Amt:** > 5 mL

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

P14195 } (40)
↓
P14234
RAU
10/21/25

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

P14195 } (40)
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P14234
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RAU
10/21/25

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16	Indeno(1,2,3-cd)pyrene	193-39-5	17-YMK-40-2	99%	200.8 µg/mL	+/- 9.0474



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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 30543 **Lot No.:** 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

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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

CHEMTECH

CHAIN OF CUSTODY RECORD

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

Chemtech Project Number 7 R-Inda Road
COC Number Hapwood

CLIENT INFORMATION			PROJECT INFORMATION			BILLING INFORMATION												
Report to be sent to:			PROJECT NAME:			BILL TO:												
COMPANY:			PROJECT #:			ADDRESS:												
ADDRESS:			LOCATION:			CITY:												
CITY:			PROJECT MANAGER:			STATE:												
STATE:			E-MAIL:			ZIP:												
ATTENTION:			PHONE:			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 CLP ☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ EDD FORMAT _____ ☐ Other _____			TPH-GC VOC EPH-F2												
HARDCOPY (DATA PACKAGE): _____ DAYS*																		
EDD: _____ DAYS*																		
*TO BE APPROVED BY CHEMTECH																		
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS																		
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		
1.	WASTE				10/27	2:00	1		X									
2.	VOC				10/27	2:15	1			X								
3.	1				10/27	2:30	1				X							
4.	2				10/27	2:45	1				X							
5.	3				10/27	3:00	1				X							
6.	4				10/27	3:15	1				X							
7.	5				10/27	3:30	1				X							
8.																		
9.																		
10.																		
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY																		
RELINQUISHED BY SAMPLER		DATE/TIME 1236	RECEIVED BY		1236		Conditions of bottles or collars at receipt:		☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>22.2</u>									
1.		10-27-25	1.		10-27-25		Comments:											
RELINQUISHED BY		DATE/TIME	RECEIVED BY															
2.			2.															
RELINQUISHED BY		DATE/TIME 1607	RECEIVED FOR LAB BY				Page _____ of _____		CLIENT: ☐ Hand Delivered ☐ Other: _____		Shipment Complete							
3.		10-27-25	3.						CHEMTECH: ☐ Picked Up		☐ YES ☐ NO							

10/2018

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY

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 : Q3474 SCIA01

Order Date : 10/27/2025 1:27:00 PM

Project Mgr :

Client Name : Sciacca General Contractor

Project Name : 7 Rynda Road, Maplewood

Report Type : Results Only

Client Contact : Rosanne Scirica

Receive DateTime : 10/27/2025 4:07:00 PM

EDD Type : EXCEL NJCLEANUP

Invoice Name : Sciacca General Contractor

Purchase Order :

Hard Copy Date :

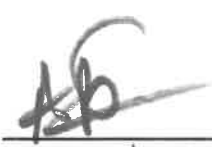
Invoice Contact : Rosanne Scirica

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3474-02	VOC	Solid	10/27/2025	08:15	VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By : 

Date / Time : 10-27-25

Received By : 

Date / Time : 10/28/25

Storage Area : VOA Refridgerator Room