

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:	Q3649	OrderDate:	11/14/2025 3:02:13 PM
Client:	HDR, Inc.	Project:	PVWC Linear Construction
Contact:	Andrew Wadden	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3649-01	B5-0.0-0.5-20251114	SOIL			11/14/25			11/14/25
			PCB	8082A		11/17/25	11/17/25	
			Pesticide-TCL	8081B		11/17/25	11/17/25	
Q3649-03	DUPE-0.0-0.5-20251114	SOIL			11/14/25			11/14/25
			PCB	8082A		11/17/25	11/17/25	
			Pesticide-TCL	8081B		11/17/25	11/17/25	
Q3649-06	B4-0.0-0.5-20251114	SOIL			11/14/25			11/14/25
			PCB	8082A		11/17/25	11/17/25	
			Pesticide-TCL	8081B		11/17/25	11/17/25	
			EPH_NF	NJEPH		11/17/25	11/17/25	
Q3649-08	B3-0.0-0.5-20251114	SOIL			11/14/25			11/14/25
			PCB	8082A		11/17/25	11/17/25	
			Pesticide-TCL	8081B		11/17/25	11/17/25	



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: HDRI08
Lab Code: ACE SDG No.: Q3649
Run Number: FE111725AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB170578BL	63	77		0
PB170578BS	53	61		0
PB170578BSD	52	60		0
B4-0.0-0.5-20251114	80	95		0
B4-0.0-0.5-20251114MS	72	83		0
B4-0.0-0.5-20251114MSD	71	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

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>HDR, Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3649</u>
Sample No :	<u>Q3649-06MS</u>	Datafile:	<u>FE056885.D</u>
		Client ID :	<u>B4-0.0-0.5-20251114MS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	32.8	22.6	72.2	151	*	(40-140)
Aliphatic C9-C28	109.4	1.80	73.2	65		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	3.6	0.0129	1.6927	47		(40-140)
n-Decane (C10)	3.6	0.0108	4.0019	111		(40-140)
Naphthalene (C11.7)	3.6	0.0066	2.2202	61		(40-140)
n-Dodecane (C12)	3.6	0.0039	2.1607	60		(40-140)
2-methylnaphthalene (C12.89)	3.6	0.0079	2.2857	63		(40-140)
n-Tetradecane (C14)	3.6	0.0200	2.4808	68		(40-140)
n-Hexadecane (C16)	3.6	0.0336	2.5911	71		(40-140)
n-Octadecane (C18)	3.6	0.0052	2.4971	69		(40-140)
n-Eicosane (C20)	3.6	0.0053	2.5037	69		(40-140)
n-Heneicosane (C21)	3.6	0.0196	2.6060	72		(40-140)
n-Docosane (C22)	3.6	0.0279	2.4252	67		(40-140)
n-Tetracosane (C24)	7.3	0.0386	7.3202	100		(40-140)
n-Hexacosane (C26)	3.6	0.0299	2.2365	61		(40-140)
n-Octacosane (C28)	3.6	0.0953	2.4281	65		(40-140)
n-Tricontane (C30)	3.6	0.0385	2.1956	60		(40-140)
n-Dotriacontane (C32)	3.6	0.2673	2.4138	60		(40-140)
n-Tetratriacontane (C34)	3.6	0.3869	3.6055	89		(40-140)
n-Hexatriacontane (C36)	3.6	1.3496	4.8319	97		(40-140)
n-Octatriacontane (C38)	3.6	0.4354	5.0715	129		(40-140)
n-Tetracontane (C40)	3.6	0.1234	6.1718	168	*	(40-140)

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>HDR, Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3649</u>
Sample No :	<u>Q3649-06MSD</u>	Datafile:	<u>FE056886.D</u>
		Client ID :	<u>B4-0.0-0.5-20251114MSD</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	32.8	22.6	66.5	133		12.7 (40-140) 50
Aliphatic C9-C28	109.2	1.80	78.1	70		6.8 (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)	3.6	0.0129	1.6718	46		2.15 (40-140) 50
n-Decane (C10)	3.6	0.0108	3.9610	110		0.9 (40-140) 50
Naphthalene (C11.7)	3.6	0.0066	2.2386	62		1.63 (40-140) 50
n-Dodecane (C12)	3.6	0.0039	2.1396	59		1.68 (40-140) 50
2-methylnaphthalene (C12.89)	3.6	0.0079	2.2573	62		1.6 (40-140) 50
n-Tetradecane (C14)	3.6	0.0200	2.4503	68		0 (40-140) 50
n-Hexadecane (C16)	3.6	0.0336	2.5574	70		1.42 (40-140) 50
n-Octadecane (C18)	3.6	0.0052	2.4664	68		1.46 (40-140) 50
n-Eicosane (C20)	3.6	0.0053	2.4772	69		0 (40-140) 50
n-Heneicosane (C21)	3.6	0.0196	2.5968	72		0 (40-140) 50
n-Docosane (C22)	3.6	0.0279	2.4040	66		1.5 (40-140) 50
n-Tetracosane (C24)	7.3	0.0386	7.2653	99		1.01 (40-140) 50
n-Hexacosane (C26)	3.6	0.0299	2.2152	61		0 (40-140) 50
n-Octacosane (C28)	3.6	0.0953	2.4321	65		0 (40-140) 50
n-Tricontane (C30)	3.6	0.0385	2.1767	59		1.68 (40-140) 50
n-Dotriacontane (C32)	3.6	0.2673	2.3514	58		3.39 (40-140) 50
n-Tetratriacontane (C34)	3.6	0.3869	3.3583	83		6.98 (40-140) 50
n-Hexatriacontane (C36)	3.6	1.3496	5.6495	119		20.37 (40-140) 50
n-Octatriacontane (C38)	3.6	0.4354	4.9261	125		3.15 (40-140) 50
n-Tetracontane (C40)	3.6	0.1234	8.1167	222	*	27.69 (40-140) 50

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>HDR, Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3649</u>
Sample No :	<u>PB170578BS</u>	Datafile:	<u>FE056871.D</u>
		Client ID :	<u>PB170578BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	30.0	20.5	68		(40-140)
Aliphatic C9-C28	99.9	61.8	63		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	2.12398	64		(40-140)
n-Decane (C10)	3.3	2.16107	65		(40-140)
Naphthalene (C11.7)	3.3	2.39212	72		(40-140)
n-Dodecane (C12)	3.3	2.24002	68		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.23243	68		(40-140)
n-Tetradecane (C14)	3.3	2.26101	69		(40-140)
n-Hexadecane (C16)	3.3	2.11748	64		(40-140)
n-Octadecane (C18)	3.3	2.03263	62		(40-140)
n-Eicosane (C20)	3.3	2.05103	62		(40-140)
n-Heneicosane (C21)	3.3	2.03511	62		(40-140)
n-Docosane (C22)	3.3	1.97294	60		(40-140)
n-Tetracosane (C24)	6.7	4.06415	61		(40-140)
n-Hexacosane (C26)	3.3	1.83173	56		(40-140)
n-Octacosane (C28)	3.3	1.89209	57		(40-140)
n-Tricontane (C30)	3.3	1.68796	51		(40-140)
n-Dotriacontane (C32)	3.3	1.69881	51		(40-140)
n-Tetratriacontane (C34)	3.3	1.91301	58		(40-140)
n-Hexatriacontane (C36)	3.3	2.23046	68		(40-140)
n-Octatriacontane (C38)	3.3	2.60205	79		(40-140)
n-Tetracontane (C40)	3.3	2.85976	87		(40-140)

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** HDR, Inc.
Lab Code: ACE **SDG No:** Q3649
Sample No : PB170578BSD **Datafile:** FE056872.D **Client ID :** PB170578BSD

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		0.9 (40-140) 25
Aliphatic C9-C28	100.1	62.6	64		1.2 (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	2.14828	65		1.55 (40-140) 25
n-Decane (C10)	3.3	2.18831	66		1.53 (40-140) 25
Naphthalene (C11.7)	3.3	2.42829	74		2.74 (40-140) 25
n-Dodecane (C12)	3.3	2.27156	69		1.46 (40-140) 25
2-methylnaphthalene (C12.89)	3.3	2.26403	69		1.46 (40-140) 25
n-Tetradecane (C14)	3.3	2.29160	69		0 (40-140) 25
n-Hexadecane (C16)	3.3	2.14570	65		1.55 (40-140) 25
n-Octadecane (C18)	3.3	2.05375	62		0 (40-140) 25
n-Eicosane (C20)	3.3	2.06925	63		1.6 (40-140) 25
n-Heneicosane (C21)	3.3	2.05259	62		0 (40-140) 25
n-Docosane (C22)	3.3	1.98737	60		0 (40-140) 25
n-Tetracosane (C24)	6.7	4.10297	61		0 (40-140) 25
n-Hexacosane (C26)	3.3	1.84726	56		0 (40-140) 25
n-Octacosane (C28)	3.3	1.90417	58		1.74 (40-140) 25
n-Tricontane (C30)	3.3	1.69826	51		0 (40-140) 25
n-Dotriacontane (C32)	3.3	1.71508	52		1.94 (40-140) 25
n-Tetratriacontane (C34)	3.3	1.91613	58		0 (40-140) 25
n-Hexatriacontane (C36)	3.3	2.23559	68		0 (40-140) 25
n-Octatriacontane (C38)	3.3	2.59958	79		0 (40-140) 25
n-Tetracontane (C40)	3.3	2.88542	87		0 (40-140) 25

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB170578BL

Lab Name: Alliance

Contract: HDRI08

Lab Code: ACE

SDG NO.: Q3649

Instrument ID: FID_E

Lab Sample ID: PB170578BL

Matrix: (soil/water) Solid

Date Extracted: 11/17/2025 10:03:00

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB170578BS	PB170578BS
PB170578BSD	PB170578BSD
B4-0.0-0.5-20251114	Q3649-06
B4-0.0-0.5-20251114MS	Q3649-06MS
B4-0.0-0.5-20251114MSD	Q3649-06MSD

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.08 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/17/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	22.6		1	1.29	2.18	mg/kg	FE056883.D	11/17/25 21:11	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	1.80	J	1	0.99	4.36	mg/kg	FE056883.D	11/17/25 21:11	PB170578
Total AliphaticEPH	Total AliphaticEPH	24.4			2.28	6.54	mg/kg			
Total EPH	Total EPH	24.4			2.28	6.54	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.08 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
	Prep Date	11/17/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	1.80	J	1	0.99	4.36	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	22.6		1	1.29	2.18	mg/kg	11/17/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	40.0			40 - 140	80%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	47.3			40 - 140	95%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3649-06	Acq On:	17 Nov 2025 21:11
Client Sample ID:	B4-0.0-0.5-20251114	Operator:	YP\AJ
Data file:	FE056883.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	504079	2.945	300	ug/ml
Aliphatic C12-C16	6.837	10.281	1116384	6.245	200	ug/ml
Aliphatic C16-C21	10.282	13.655	1200330	6.436	300	ug/ml
Aliphatic C21-C28	13.656	17.323	1770081	9.183	400	ug/ml
Aliphatic C28-C40	17.324	22.257	49503544	310.728	600	ug/ml
Aliphatic EPH	3.213	22.257	54094418	335.537		ug/ml
ortho-Terphenyl (SURR)	11.954	11.954	9890264	47.34		ug/ml
1-chlorooctadecane (SURR)	13.391	13.391	6438282	39.96		ug/ml
Aliphatic C9-C28	3.213	17.323	4590874	24.809	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
 Data File : FE056883.D
 Signal(s) : FID1B.ch
 Acq On : 17 Nov 2025 21:11
 Operator : YP\AJ
 Sample : Q3649-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 B4-0.0-0.5-20251114

Integration File: sample.E
 Quant Time: Nov 18 11:47:33 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)	11.954	9890264	47.342 ug/ml
Spiked Amount 50.000		Recovery =	94.68%
12) S 1-chlorooctadecane (S...	13.391	6438282	39.960 ug/ml
Spiked Amount 50.000		Recovery =	79.92%

Target Compounds

(f)=RT Delta > 1/2 Window

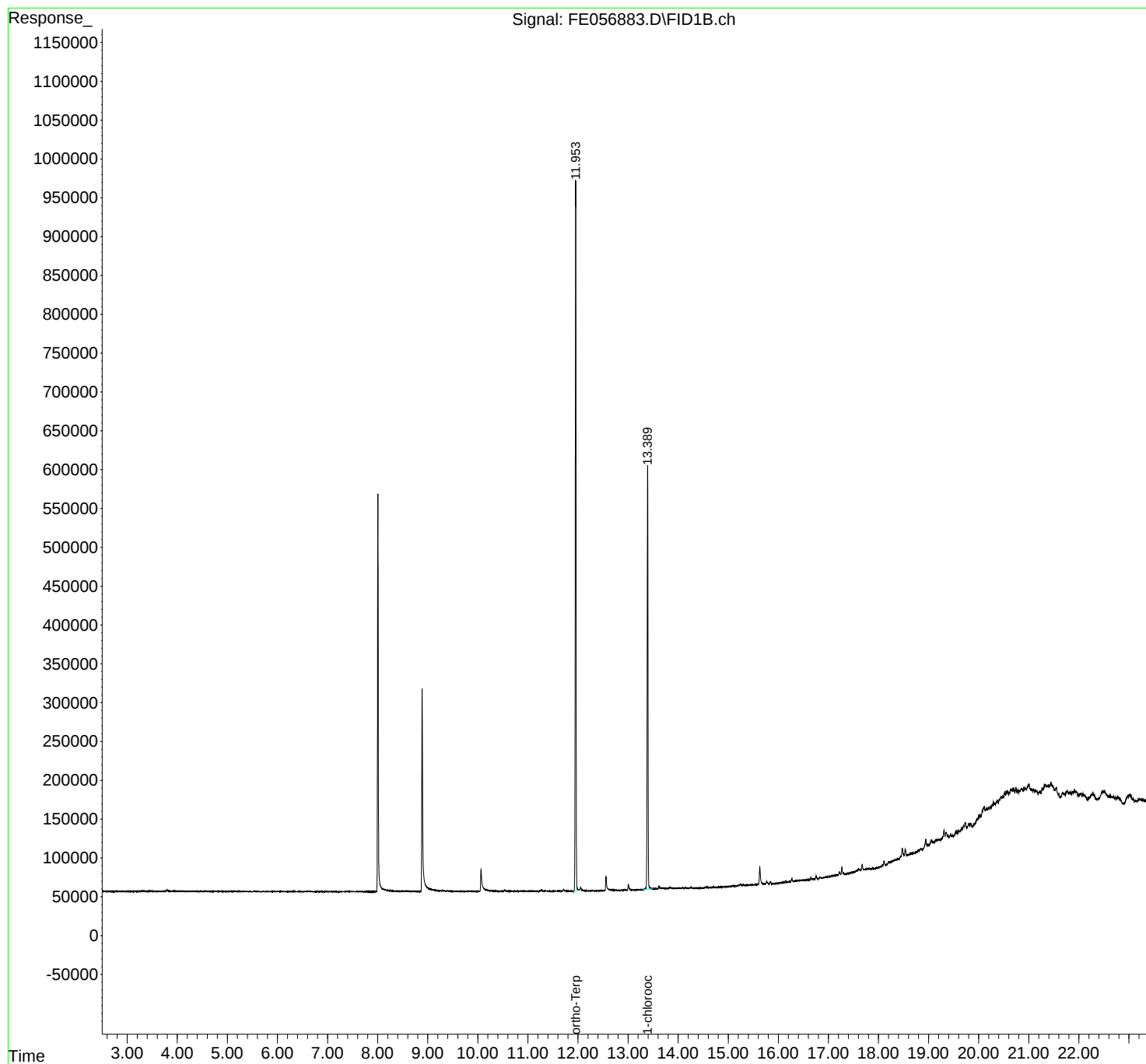
(m)=manual int.

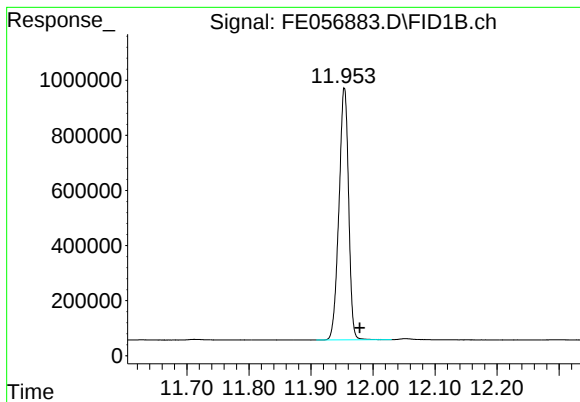
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056883.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 21:11
Operator : YP\AJ
Sample : Q3649-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
B4-0.0-0.5-20251114

Integration File: sample.E
Quant Time: Nov 18 11:47:33 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)

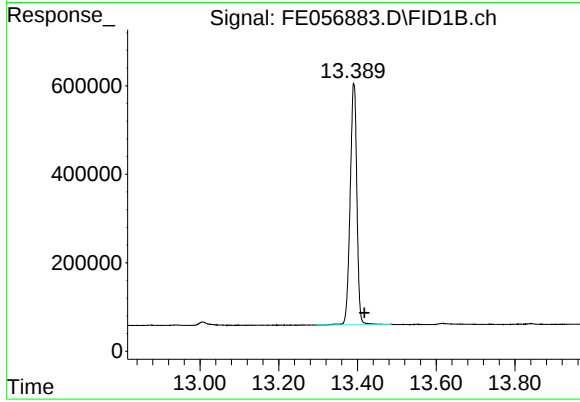
R.T.: 11.954 min
Delta R.T.: -0.025 min
Response: 9890264
Conc: 47.34 ug/ml

Instrument :

FID_E

ClientSampleId :

B4-0.0-0.5-20251114



#12 1-chlorooctadecane (SURR)

R.T.: 13.391 min
Delta R.T.: -0.026 min
Response: 6438282
Conc: 39.96 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
 Data File : FE056883.D
 Signal(s) : FID1B.ch
 Acq On : 17 Nov 2025 21:11
 Sample : Q3649-06
 Misc :
 ALS Vial : 26 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	2.580	2.524	2.594	BV	65	975	0.01%	0.001%
2	2.637	2.594	2.650	PV	164	2550	0.03%	0.004%
3	2.661	2.650	2.688	PV	132	1209	0.01%	0.002%
4	2.840	2.688	2.935	VV	181	10501	0.11%	0.015%
5	2.944	2.935	2.991	VV	144	3020	0.03%	0.004%
6	3.018	2.991	3.031	VV	148	1586	0.02%	0.002%
7	3.087	3.031	3.151	VV	148	4868	0.05%	0.007%
8	3.268	3.151	3.288	VV	275	12617	0.13%	0.018%
9	3.306	3.288	3.326	VV	529	8658	0.09%	0.012%
10	3.348	3.326	3.378	VV	338	8553	0.09%	0.012%
11	3.390	3.378	3.441	VV	303	9368	0.09%	0.013%
12	3.501	3.441	3.544	VV	389	18704	0.19%	0.026%
13	3.557	3.544	3.571	VV	307	4127	0.04%	0.006%
14	3.579	3.571	3.607	VV	289	5621	0.06%	0.008%
15	3.620	3.607	3.738	VV	340	17514	0.18%	0.025%
16	3.752	3.738	3.770	VV	427	6515	0.07%	0.009%
17	3.795	3.770	3.901	VV	2174	50164	0.50%	0.071%
18	3.919	3.901	3.982	VV	1030	28379	0.29%	0.040%
19	3.993	3.982	4.008	VV	403	5519	0.06%	0.008%
20	4.021	4.008	4.058	VV	368	9380	0.09%	0.013%
21	4.103	4.058	4.141	VV	426	15128	0.15%	0.021%
22	4.150	4.141	4.164	VV	274	3581	0.04%	0.005%
23	4.176	4.164	4.194	VV	246	4052	0.04%	0.006%
24	4.207	4.194	4.223	VV	312	4728	0.05%	0.007%
25	4.258	4.223	4.273	VV	336	7820	0.08%	0.011%
26	4.306	4.273	4.315	VV	363	7575	0.08%	0.011%
27	4.335	4.315	4.355	VV	336	6604	0.07%	0.009%
28	4.364	4.355	4.388	VV	319	5788	0.06%	0.008%
29	4.390	4.388	4.404	VV	373	2788	0.03%	0.004%
30	4.417	4.404	4.470	VV	360	11565	0.12%	0.016%
31	4.481	4.470	4.522	VV	333	8414	0.08%	0.012%
32	4.562	4.522	4.669	VV	502	25536	0.26%	0.036%
33	4.676	4.669	4.708	VV	227	4745	0.05%	0.007%
34	4.739	4.708	4.785	VV	816	18596	0.19%	0.026%
35	4.794	4.785	4.868	VV	260	10387	0.10%	0.015%
36	4.880	4.868	4.899	VV	218	3446	0.03%	0.005%

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37	4.907	4.899	4.927	VV	167	2562	0.03%	0.004%
38	4.935	4.927	4.954	VV	192	2348	0.02%	0.003%
39	4.960	4.954	5.044	VV	215	8957	0.09%	0.013%
40	5.050	5.044	5.106	VV	265	6148	0.06%	0.009%
41	5.138	5.106	5.194	VV	218	7994	0.08%	0.011%
42	5.209	5.194	5.214	VV	126	1316	0.01%	0.002%
43	5.225	5.214	5.288	VV	280	7262	0.07%	0.010%
44	5.306	5.288	5.368	VV	143	4278	0.04%	0.006%
45	5.379	5.368	5.389	VV	79	791	0.01%	0.001%
46	5.398	5.389	5.406	VV	114	556	0.01%	0.001%
47	5.450	5.406	5.461	VV	122	2331	0.02%	0.003%
48	5.469	5.461	5.488	VV	126	1305	0.01%	0.002%
49	5.494	5.488	5.508	VV	100	970	0.01%	0.001%
50	5.548	5.508	5.669	VV	467	19097	0.19%	0.027%
51	5.675	5.669	5.689	VV	94	1152	0.01%	0.002%
52	5.705	5.689	5.786	VV	270	6363	0.06%	0.009%
53	5.809	5.786	5.870	VV	211	6538	0.07%	0.009%
54	5.885	5.870	5.911	VV	180	2731	0.03%	0.004%
55	5.931	5.911	5.954	VV	150	2928	0.03%	0.004%
56	5.976	5.954	6.019	VV	194	5527	0.06%	0.008%
57	6.027	6.019	6.039	VV	163	1453	0.01%	0.002%
58	6.068	6.039	6.098	VV	206	5551	0.06%	0.008%
59	6.109	6.098	6.167	VV	175	4253	0.04%	0.006%
60	6.177	6.167	6.195	VV	146	1831	0.02%	0.003%
61	6.201	6.195	6.218	VV	98	865	0.01%	0.001%
62	6.231	6.218	6.261	VV	163	2798	0.03%	0.004%
63	6.276	6.261	6.296	VV	243	4167	0.04%	0.006%
64	6.314	6.296	6.365	VV	355	9864	0.10%	0.014%
65	6.376	6.365	6.394	VV	209	2701	0.03%	0.004%
66	6.445	6.394	6.495	VV	424	12237	0.12%	0.017%
67	6.503	6.495	6.512	VV	124	1125	0.01%	0.002%
68	6.547	6.512	6.565	VV	193	4174	0.04%	0.006%
69	6.599	6.565	6.617	VV	574	11067	0.11%	0.016%
70	6.628	6.617	6.658	VV	501	8433	0.08%	0.012%
71	6.665	6.658	6.694	VV	210	4026	0.04%	0.006%
72	6.737	6.694	6.801	VV	251	9325	0.09%	0.013%
73	6.808	6.801	6.854	VV	164	3183	0.03%	0.005%
74	6.885	6.854	6.899	VV	133	2226	0.02%	0.003%
75	6.911	6.899	6.925	VV	100	1298	0.01%	0.002%
76	7.036	6.925	7.054	VV	330	12375	0.12%	0.018%
77	7.064	7.054	7.108	VV	245	5033	0.05%	0.007%
78	7.125	7.108	7.135	VV	174	1819	0.02%	0.003%
79	7.147	7.135	7.166	VV	133	1859	0.02%	0.003%
80	7.175	7.166	7.181	PV	143	738	0.01%	0.001%
81	7.292	7.181	7.307	VV	257	10518	0.11%	0.015%
82	7.355	7.307	7.379	VV	326	10427	0.10%	0.015%
83	7.399	7.379	7.437	VV	284	8742	0.09%	0.012%
84	7.458	7.437	7.553	VV	437	16805	0.17%	0.024%
85	7.576	7.553	7.616	VV	320	8283	0.08%	0.012%
86	7.629	7.616	7.648	VV	290	3962	0.04%	0.006%
87	7.681	7.648	7.724	VV	274	8374	0.08%	0.012%
88	7.734	7.724	7.749	VV	102	1564	0.02%	0.002%
89	7.761	7.749	7.799	VV	91	2145	0.02%	0.003%

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90	7.810	7.799	7.843	PV	140	1647	0.02%	0.002%
91	7.857	7.843	7.868	VV	89	937	0.01%	0.001%
92	7.905	7.868	7.933	VV	118	1537	0.02%	0.002%
93	8.313	8.304	8.420	VV	991	51220	0.52%	0.073%
94	8.475	8.420	8.524	VV	762	36694	0.37%	0.052%
95	8.569	8.524	8.595	VV	858	26775	0.27%	0.038%
96	8.614	8.595	8.674	VV	690	21238	0.21%	0.030%
97	8.704	8.674	8.787	VV	519	21661	0.22%	0.031%
98	8.813	8.787	8.861	VV	313	8601	0.09%	0.012%
99	9.309	9.276	9.370	VV	1284	53648	0.54%	0.076%
100	9.398	9.370	9.474	VV	1337	42357	0.43%	0.060%
101	9.483	9.474	9.535	VV	532	14301	0.14%	0.020%
102	9.556	9.535	9.575	VV	349	7737	0.08%	0.011%
103	9.584	9.575	9.641	VV	346	10440	0.11%	0.015%
104	9.644	9.641	9.667	VV	267	3301	0.03%	0.005%
105	9.681	9.667	9.723	VV	254	5971	0.06%	0.008%
106	9.818	9.723	9.844	VV	413	18173	0.18%	0.026%
107	9.850	9.844	9.898	VV	280	8103	0.08%	0.011%
108	9.903	9.898	9.922	VV	232	3052	0.03%	0.004%
109	9.959	9.922	9.984	VV	226	5063	0.05%	0.007%
110	10.016	9.984	10.035	VV	373	4585	0.05%	0.006%
111	10.065	10.035	10.168	VV	27986	588717	5.93%	0.833%
112	10.178	10.168	10.274	VV	2330	84458	0.85%	0.120%
113	10.292	10.274	10.331	VV	787	22859	0.23%	0.032%
114	10.344	10.331	10.438	VV	584	25129	0.25%	0.036%
115	10.461	10.438	10.473	VV	343	5901	0.06%	0.008%
116	10.476	10.473	10.485	VV	295	1819	0.02%	0.003%
117	10.538	10.485	10.594	VV	1820	45056	0.45%	0.064%
118	10.626	10.594	10.688	VV	360	16975	0.17%	0.024%
119	10.715	10.688	10.754	VV	360	8075	0.08%	0.011%
120	10.779	10.754	10.820	VV	332	7475	0.08%	0.011%
121	10.839	10.820	10.869	VV	617	11238	0.11%	0.016%
122	10.893	10.869	10.902	VV	497	7633	0.08%	0.011%
123	10.921	10.902	10.957	VV	763	14494	0.15%	0.021%
124	10.993	10.957	11.012	VV	391	11069	0.11%	0.016%
125	11.034	11.012	11.079	VV	561	12241	0.12%	0.017%
126	11.098	11.079	11.126	VV	331	5691	0.06%	0.008%
127	11.145	11.126	11.191	VV	339	7536	0.08%	0.011%
128	11.271	11.191	11.347	PV	2134	52471	0.53%	0.074%
129	11.365	11.347	11.425	VV	617	13564	0.14%	0.019%
130	11.440	11.425	11.478	VV	139	2972	0.03%	0.004%
131	11.496	11.478	11.529	VV	83	1965	0.02%	0.003%
132	11.559	11.529	11.583	VV	564	8411	0.08%	0.012%
133	11.628	11.583	11.674	VV	706	13556	0.14%	0.019%
134	11.713	11.674	11.768	PV	2284	43823	0.44%	0.062%
135	11.792	11.768	11.811	VV	424	7788	0.08%	0.011%
136	11.823	11.811	11.858	VV	369	5247	0.05%	0.007%
137	11.874	11.858	11.901	VV	370	4608	0.05%	0.007%
138	11.954	11.901	12.029	PV	919709	9934246	100.00%	14.062%
139	12.052	12.029	12.108	VV	4862	100491	1.01%	0.142%
140	12.117	12.108	12.214	VV	785	22882	0.23%	0.032%
141	12.234	12.214	12.261	VV	247	3774	0.04%	0.005%

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142	12.299	12.261	12.343	VV	535	10100	0.10%	0.014%
143	12.361	12.343	12.374	VV	126	1793	0.02%	0.003%
144	12.396	12.374	12.414	PV	484	5813	0.06%	0.008%
145	12.441	12.414	12.478	VV	229	5553	0.06%	0.008%
146	12.506	12.478	12.528	PV	198	3762	0.04%	0.005%
147	12.560	12.528	12.643	VV	18022	292322	2.94%	0.414%
148	12.657	12.643	12.714	VV	1249	34897	0.35%	0.049%
149	12.727	12.714	12.736	VV	448	5130	0.05%	0.007%
150	12.751	12.736	12.800	VV	655	12803	0.13%	0.018%
151	12.820	12.800	12.851	VV	168	2729	0.03%	0.004%
152	12.874	12.851	12.903	PV	517	9105	0.09%	0.013%
153	12.940	12.903	12.975	VV	880	13617	0.14%	0.019%
154	13.007	12.975	13.106	PV	7754	128959	1.30%	0.183%
155	13.151	13.106	13.172	VV	153	2800	0.03%	0.004%
156	13.192	13.172	13.217	PV	227	4701	0.05%	0.007%
157	13.228	13.217	13.246	VV	202	2501	0.03%	0.004%
158	13.391	13.246	13.504	VV	548200	6531726	65.75%	9.245%
159	13.513	13.504	13.533	VV	1031	16210	0.16%	0.023%
160	13.554	13.533	13.590	VV	1399	33213	0.33%	0.047%
161	13.616	13.590	13.719	VV	3165	129579	1.30%	0.183%
162	13.741	13.719	13.775	VV	1059	30740	0.31%	0.044%
163	13.840	13.775	13.888	VV	2256	78361	0.79%	0.111%
164	13.968	13.888	13.984	VV	836	43754	0.44%	0.062%
165	13.996	13.984	14.043	VV	804	23958	0.24%	0.034%
166	14.095	14.043	14.119	VV	1482	40050	0.40%	0.057%
167	14.140	14.119	14.184	VV	1459	31797	0.32%	0.045%
168	14.199	14.184	14.224	VV	589	11078	0.11%	0.016%
169	14.253	14.224	14.318	VV	1873	35524	0.36%	0.050%
170	14.365	14.318	14.408	VV	355	11967	0.12%	0.017%
171	14.410	14.408	14.434	VV	272	1840	0.02%	0.003%
172	14.471	14.434	14.486	VV	166	2660	0.03%	0.004%
173	14.539	14.486	14.561	PV	1051	20103	0.20%	0.028%
174	14.579	14.561	14.604	VV	1487	21056	0.21%	0.030%
175	14.653	14.604	14.677	VV	304	7949	0.08%	0.011%
176	14.704	14.677	14.733	PV	1518	19187	0.19%	0.027%
177	14.772	14.733	14.786	VV	354	5694	0.06%	0.008%
178	14.810	14.786	14.841	VV	326	6528	0.07%	0.009%
179	14.875	14.841	14.884	VV	124	2743	0.03%	0.004%
180	15.032	14.884	15.044	PV	344	17297	0.17%	0.024%
181	15.097	15.044	15.122	VV	643	19658	0.20%	0.028%
182	15.139	15.122	15.151	VV	281	4873	0.05%	0.007%
183	15.245	15.151	15.274	VV	2941	70295	0.71%	0.100%
184	15.296	15.274	15.336	VV	1335	33536	0.34%	0.047%
185	15.407	15.336	15.421	VV	563	26074	0.26%	0.037%
186	15.446	15.421	15.478	VV	692	18120	0.18%	0.026%
187	15.630	15.478	15.734	VV	22447	416481	4.19%	0.590%
188	15.767	15.734	15.811	VV	3374	65523	0.66%	0.093%
189	15.841	15.811	15.878	VV	3306	44063	0.44%	0.062%
190	15.903	15.878	15.931	PV	361	5244	0.05%	0.007%
191	16.096	15.931	16.113	PV	667	18678	0.19%	0.026%
192	16.151	16.113	16.194	VV	1123	32379	0.33%	0.046%
193	16.270	16.194	16.298	VV	4188	79941	0.80%	0.113%
194	16.341	16.298	16.361	VV	827	24615	0.25%	0.035%

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195	16.404	16.361	16.424	VV	551	18027	0.18%	0.026%
196	16.473	16.424	16.498	VV	653	20777	0.21%	0.029%
197	16.510	16.498	16.530	VV	449	6445	0.06%	0.009%
198	16.570	16.530	16.598	VV	671	14226	0.14%	0.020%
199	16.649	16.598	16.691	VV	2328	43815	0.44%	0.062%
200	16.754	16.691	16.788	VV	3896	60568	0.61%	0.086%
201	16.836	16.788	16.868	PV	1885	37433	0.38%	0.053%
202	16.878	16.868	16.891	VV	269	2774	0.03%	0.004%
203	16.955	16.891	16.972	VV	771	20785	0.21%	0.029%
204	17.222	16.972	17.245	VV	4470	136977	1.38%	0.194%
205	17.270	17.245	17.292	VV	8806	116619	1.17%	0.165%
206	17.302	17.292	17.330	VV	1701	19869	0.20%	0.028%
207	17.463	17.330	17.479	PV	918	26194	0.26%	0.037%
208	17.595	17.479	17.626	VV	3305	127412	1.28%	0.180%
209	17.673	17.626	17.708	VV	8859	175581	1.77%	0.249%
210	17.766	17.708	17.783	VV	2023	73853	0.74%	0.105%
211	17.809	17.783	17.831	VV	1558	37670	0.38%	0.053%
212	17.886	17.831	17.921	VV	1305	41752	0.42%	0.059%
213	18.113	17.921	18.142	PV	5695	106166	1.07%	0.150%
214	18.203	18.142	18.219	PV	3470	68730	0.69%	0.097%
215	18.239	18.219	18.248	VV	2572	38768	0.39%	0.055%
216	18.285	18.248	18.295	VV	2953	65919	0.66%	0.093%
217	18.318	18.295	18.329	VV	2943	53051	0.53%	0.075%
218	18.348	18.329	18.361	VV	3321	54951	0.55%	0.078%
219	18.402	18.361	18.414	VV	3056	94308	0.95%	0.133%
220	18.475	18.414	18.513	VV	15371	434073	4.37%	0.614%
221	18.535	18.513	18.571	VV	12807	253372	2.55%	0.359%
222	18.605	18.571	18.614	VV	4249	98755	0.99%	0.140%
223	18.632	18.614	18.648	VV	4907	89017	0.90%	0.126%
224	18.673	18.648	18.683	VV	4125	86414	0.87%	0.122%
225	18.705	18.683	18.720	VV	4243	85441	0.86%	0.121%
226	18.758	18.720	18.766	VV	4642	108444	1.09%	0.153%
227	18.791	18.766	18.803	VV	5548	106991	1.08%	0.151%
228	18.842	18.803	18.878	VV	6678	250249	2.52%	0.354%
229	18.944	18.878	19.011	VV	16127	722458	7.27%	1.023%
230	19.054	19.011	19.095	VV	13275	523793	5.27%	0.741%
231	19.107	19.095	19.119	VV	10615	143728	1.45%	0.203%
232	19.140	19.119	19.174	VV	11725	349776	3.52%	0.495%
233	19.200	19.174	19.214	VV	11520	256366	2.58%	0.363%
234	19.307	19.214	19.328	VV	21011	885295	8.91%	1.253%
235	19.350	19.328	19.406	VV	17327	626857	6.31%	0.887%
236	19.447	19.406	19.461	VV	12243	359031	3.61%	0.508%
237	19.481	19.461	19.496	VV	10265	204775	2.06%	0.290%
238	19.550	19.496	19.562	VV	14987	460640	4.64%	0.652%
239	19.568	19.562	19.577	VV	12586	109461	1.10%	0.155%
240	19.609	19.577	19.621	VV	13547	332265	3.34%	0.470%
241	19.657	19.621	19.673	VV	15823	443285	4.46%	0.627%
242	19.728	19.673	19.761	VV	21686	917909	9.24%	1.299%
243	19.802	19.761	19.831	VV	18539	706179	7.11%	1.000%
244	19.846	19.831	19.881	VV	18438	465437	4.69%	0.659%
245	20.020	19.881	20.031	VV	25533	1737201	17.49%	2.459%
246	20.041	20.031	20.051	VV	24233	286269	2.88%	0.405%

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247	20.110	20.051	20.128	VV	34012	1382276	13.91%	1.957%
248	20.153	20.128	20.168	VV	31003	724371	7.29%	1.025%
249	20.198	20.168	20.211	VV	31212	766914	7.72%	1.086%
250	20.229	20.211	20.253	VV	32337	785882	7.91%	1.112%
251	20.272	20.253	20.281	VV	33376	530201	5.34%	0.750%
252	20.293	20.281	20.321	VV	35591	816823	8.22%	1.156%
253	20.377	20.321	20.394	VV	35690	1506224	15.16%	2.132%
254	20.413	20.394	20.424	VV	37815	642563	6.47%	0.910%
255	20.450	20.424	20.465	VV	40211	933981	9.40%	1.322%
256	20.481	20.465	20.498	VV	40851	791116	7.96%	1.120%
257	20.518	20.498	20.537	VV	43660	958537	9.65%	1.357%
258	20.565	20.537	20.582	VV	44500	1177976	11.86%	1.667%
259	20.586	20.582	20.598	VV	43535	390263	3.93%	0.552%
260	20.650	20.598	20.682	VV	45501	2178576	21.93%	3.084%
261	20.702	20.682	20.719	VV	45768	962009	9.68%	1.362%
262	20.742	20.719	20.755	VV	44514	917652	9.24%	1.299%
263	20.763	20.755	20.772	VV	40475	398140	4.01%	0.564%
264	20.790	20.772	20.803	VV	41051	750961	7.56%	1.063%
265	20.854	20.803	20.887	VV	42532	2021180	20.35%	2.861%
266	20.901	20.887	20.920	VV	42097	794390	8.00%	1.124%
267	20.931	20.920	20.955	VV	40915	852051	8.58%	1.206%
268	20.996	20.955	21.044	VV	43832	2160182	21.74%	3.058%
269	21.054	21.044	21.084	VV	37090	860319	8.66%	1.218%
270	21.095	21.084	21.121	VV	35531	765715	7.71%	1.084%
271	21.135	21.121	21.201	VV	33842	1492981	15.03%	2.113%
272	21.230	21.201	21.244	VV	30716	753272	7.58%	1.066%
273	21.312	21.244	21.320	VV	37887	1501170	15.11%	2.125%
274	21.333	21.320	21.370	VV	36621	1041748	10.49%	1.475%
275	21.388	21.370	21.398	VV	35976	572310	5.76%	0.810%
276	21.445	21.398	21.464	VV	37802	1382796	13.92%	1.957%
277	21.473	21.464	21.511	VV	33519	853205	8.59%	1.208%
278	21.521	21.511	21.532	VV	27139	344459	3.47%	0.488%
279	21.550	21.532	21.633	VV	28855	1271342	12.80%	1.800%
280	21.680	21.633	21.718	VV	19502	855322	8.61%	1.211%
281	21.759	21.718	21.796	VV	19857	826399	8.32%	1.170%
282	21.814	21.796	21.826	VV	17411	285989	2.88%	0.405%
283	21.838	21.826	21.857	VV	16944	288248	2.90%	0.408%
284	21.877	21.857	21.888	VV	17122	276766	2.79%	0.392%
285	21.917	21.888	21.938	VV	17975	489378	4.93%	0.693%
286	21.948	21.938	22.004	VV	15947	471009	4.74%	0.667%
287	22.046	22.004	22.064	VV	10800	341493	3.44%	0.483%
288	22.082	22.064	22.097	VV	9271	163759	1.65%	0.232%
289	22.114	22.097	22.174	VV	7238	196069	1.97%	0.278%
290	22.215	22.174	22.224	PV	1915	19691	0.20%	0.028%
291	22.274	22.224	22.288	PV	1930	62836	0.63%	0.089%
Sum of corrected areas:						70647942		

Aliphatic EPH 103025.M Wed Nov 19 07:09:09 2025



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FE103025AL

AreaCount

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

AVG Response Factor

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

Concentration

Parameter Range	FE056575.D	FE056576.D	FE056577.D	FE056578.D	FE056579.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

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

Initial Calibration Report for SequenceID : FE103025AL

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

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

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

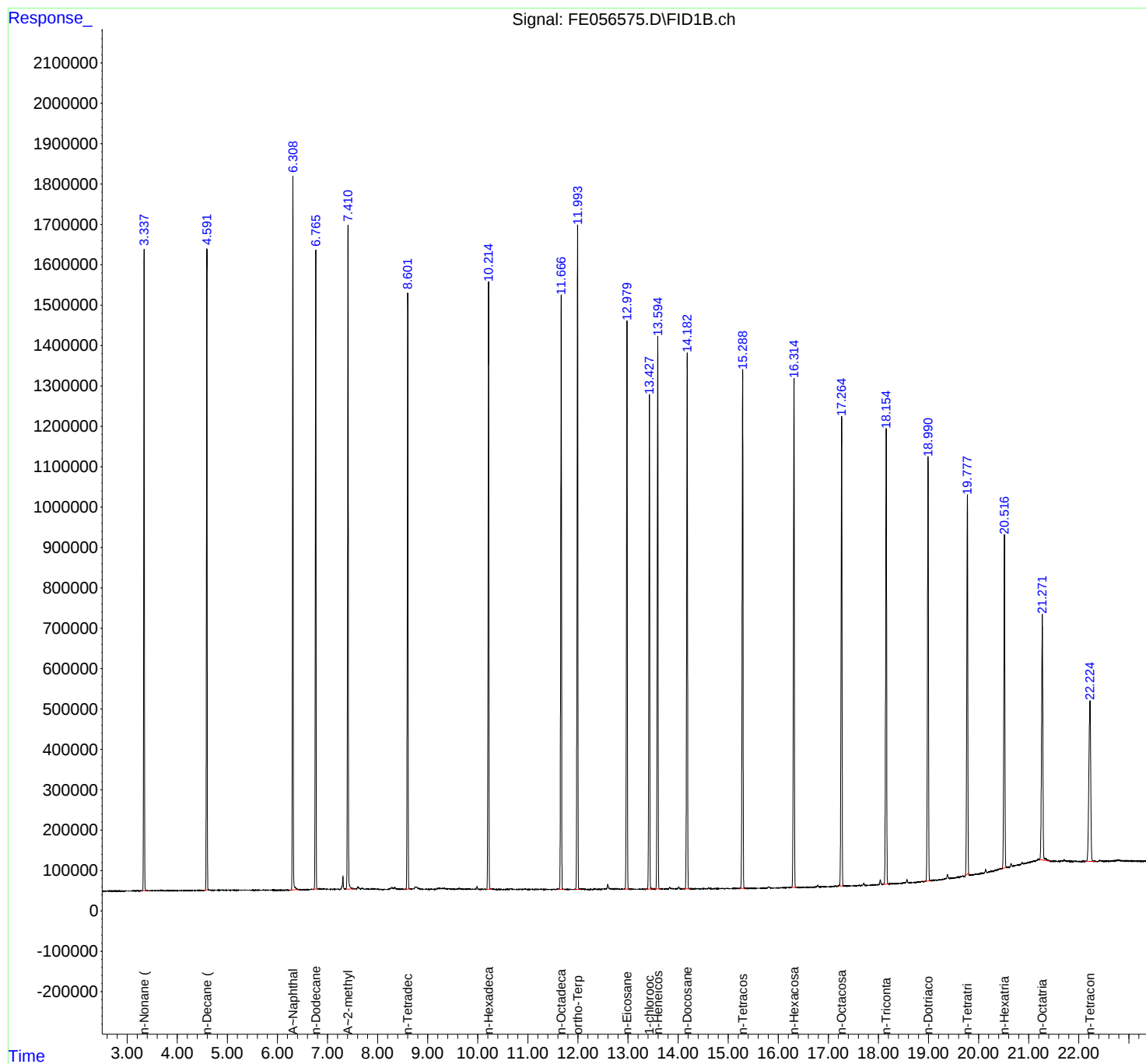
(m)=manual int.

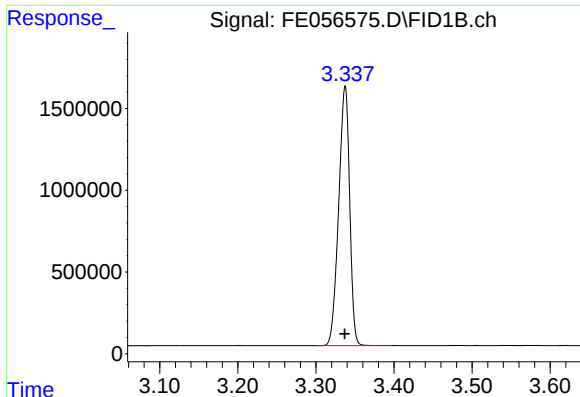
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056575.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 10:20
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

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

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

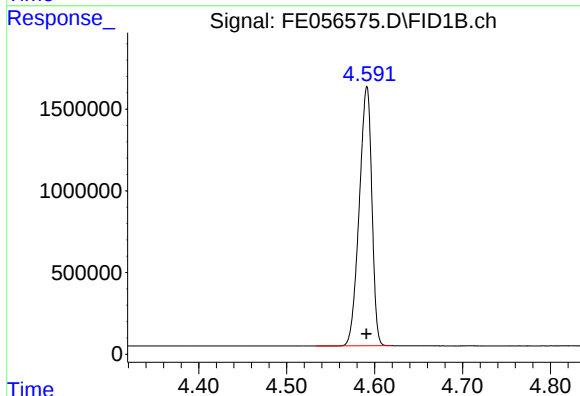




#1 n-Nonane (C9)

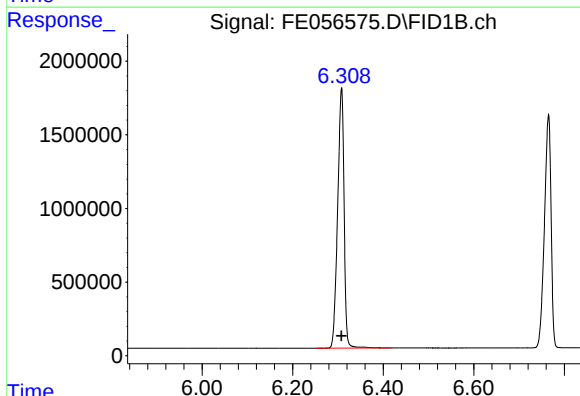
R.T.: 3.337 min
Delta R.T.: 0.000 min
Response: 15510371
Conc: 96.77 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



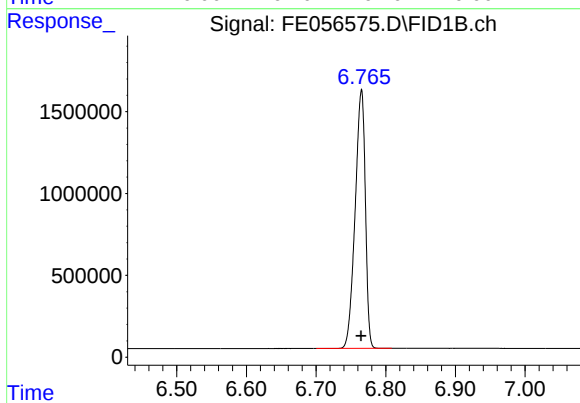
#2 n-Decane (C10)

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



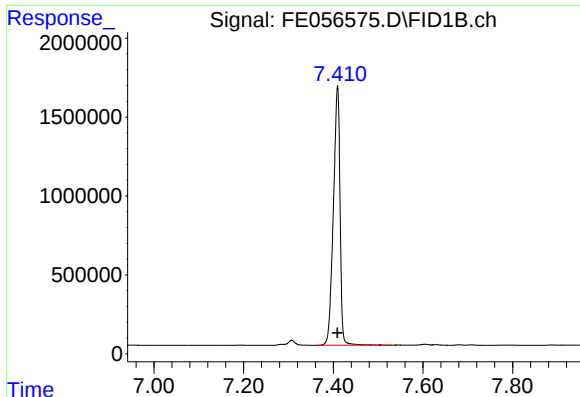
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

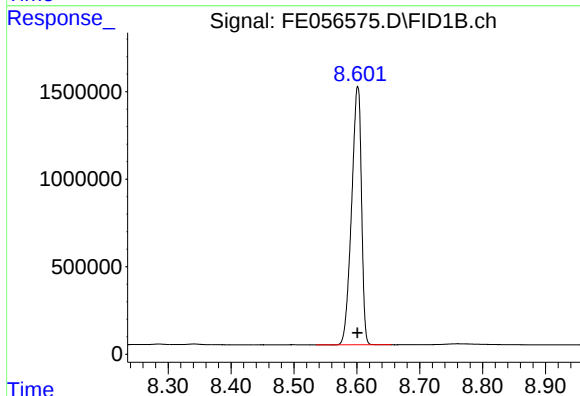
R.T.: 6.765 min
Delta R.T.: 0.000 min
Response: 16070610
Conc: 96.65 ug/ml



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

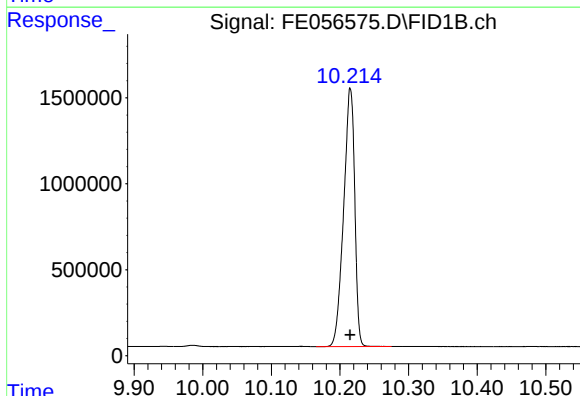
R.T.: 7.409 min
Delta R.T.: 0.000 min
Response: 16955970
Conc: 98.04 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



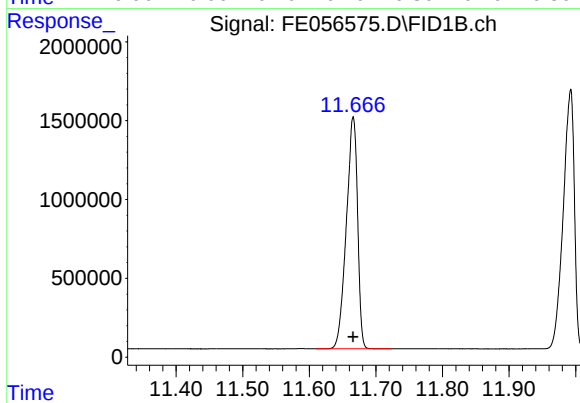
#6 n-Tetradecane (C14)

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



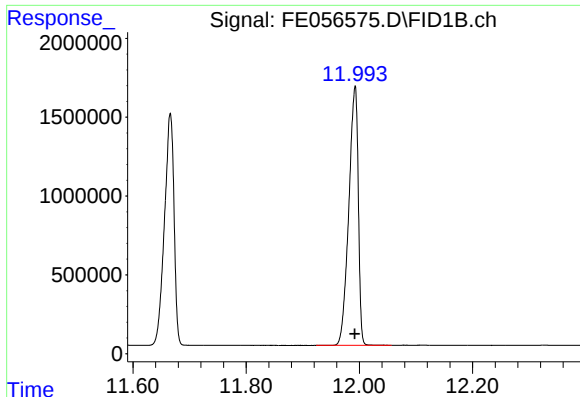
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

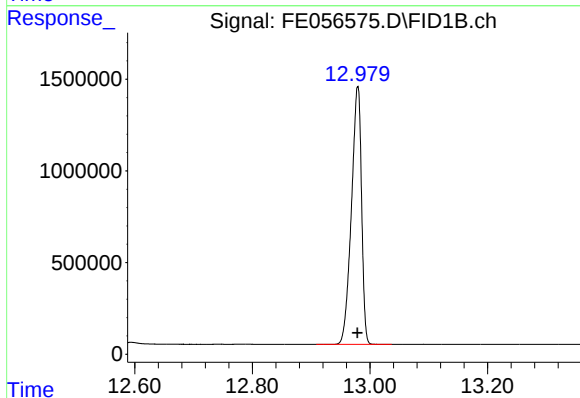
R.T.: 11.666 min
Delta R.T.: 0.000 min
Response: 17249418
Conc: 96.24 ug/ml



#9 ortho-Terphenyl (SURR)

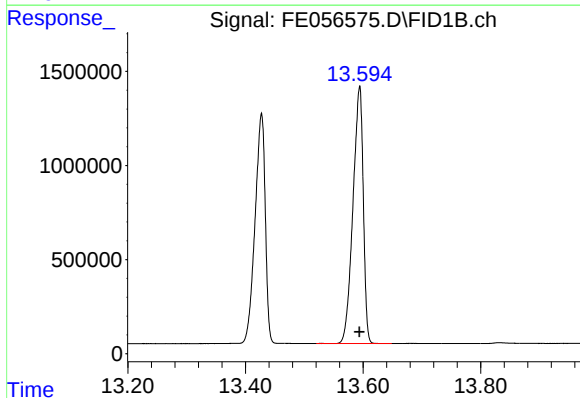
R.T.: 11.992 min
Delta R.T.: 0.000 min
Response: 19059851
Conc: 96.24 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



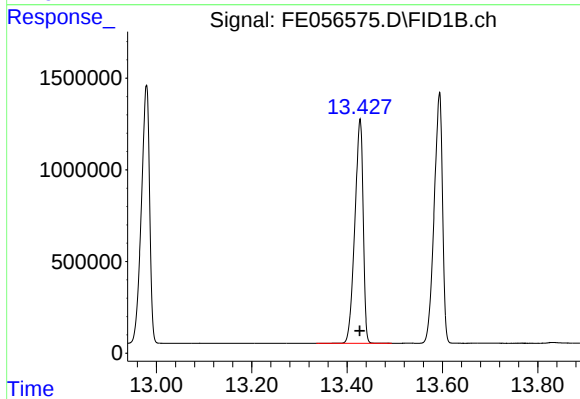
#10 n-Eicosane (C20)

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



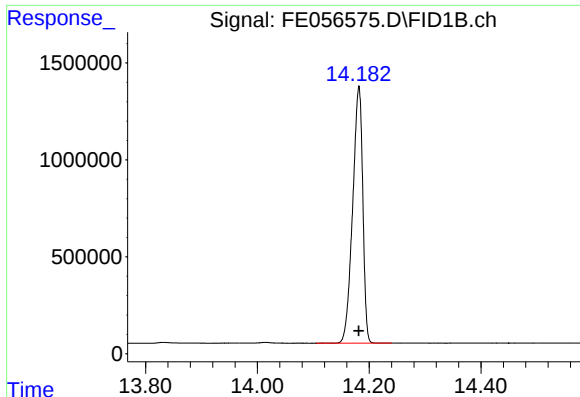
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

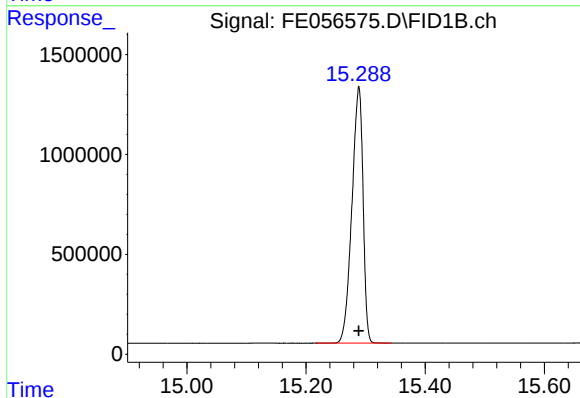
R.T.: 13.427 min
Delta R.T.: 0.000 min
Response: 14749289
Conc: 96.36 ug/ml



#13 n-Docosane (C22)

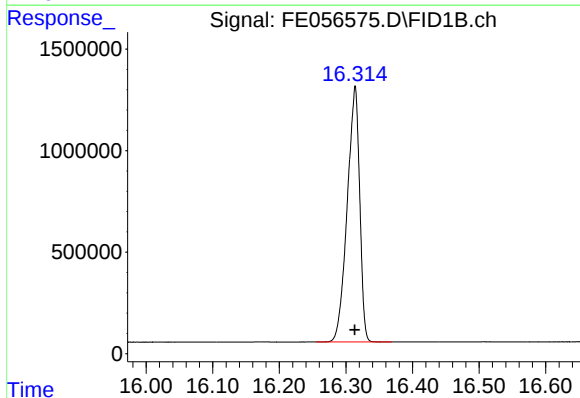
R.T.: 14.181 min
Delta R.T.: 0.000 min
Response: 16594646
Conc: 95.89 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



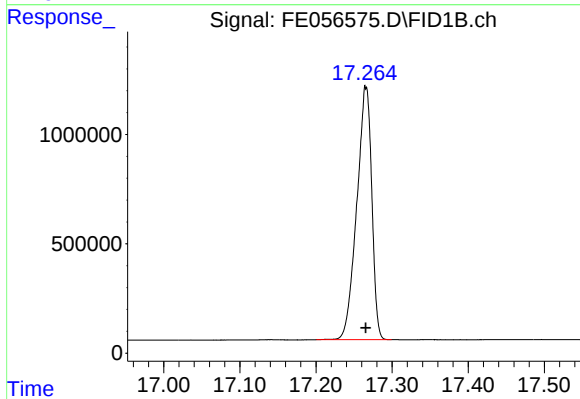
#14 n-Tetracosane (C24)

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



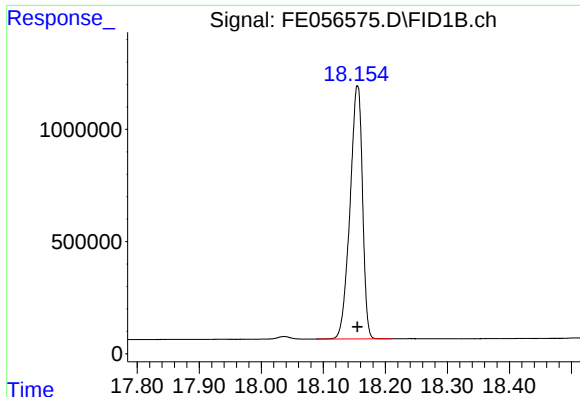
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

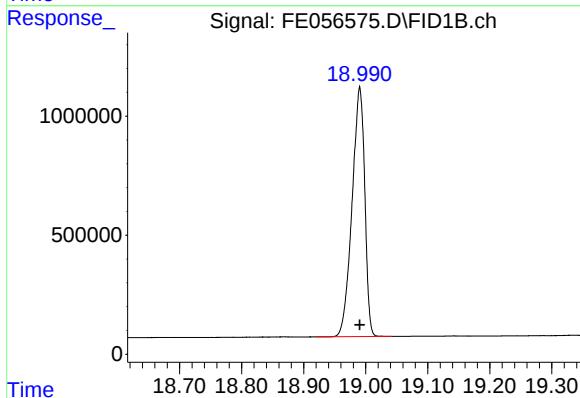
R.T.: 17.266 min
Delta R.T.: 0.000 min
Response: 15859780
Conc: 94.79 ug/ml



#17 n-Tricontane (C30)

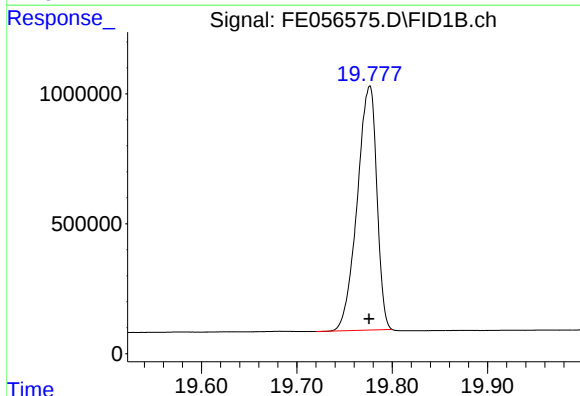
R.T.: 18.155 min
Delta R.T.: 0.000 min
Response: 15787066
Conc: 93.07 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



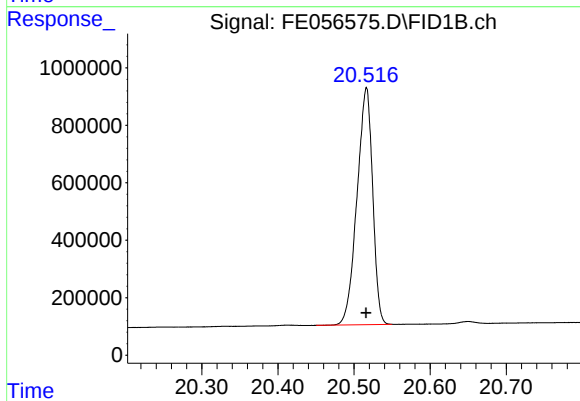
#18 n-Dotriacontane (C32)

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



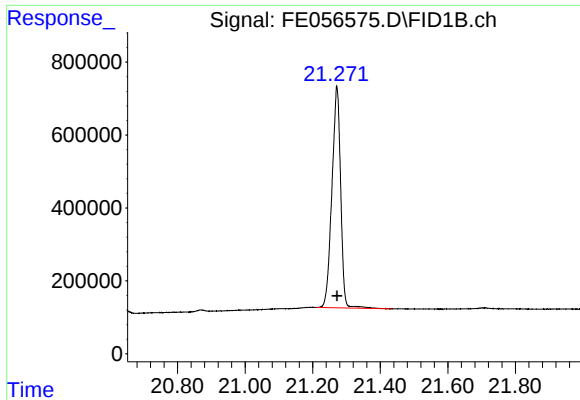
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

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



#21 n-Octatriacontane (C38)

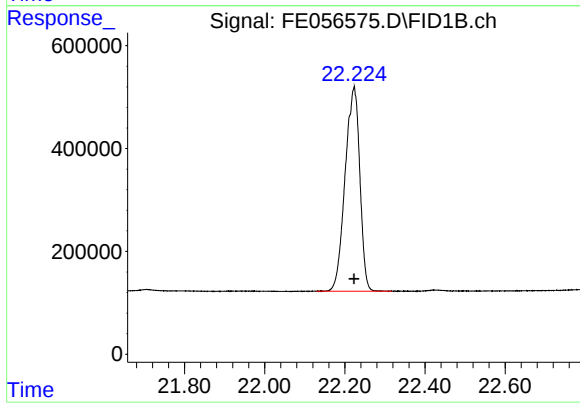
R.T.: 21.272 min
Delta R.T.: 0.000 min
Response: 10906555
Conc: 95.31 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.337	3.300	3.397	BB	1587559	15510371	81.38%	4.543%
2	4.591	4.534	4.619	BBA	1581962	15797359	82.88%	4.627%
3	6.308	6.252	6.419	BB	1757870	17418486	91.39%	5.102%
4	6.765	6.700	6.809	BB	1584765	16070610	84.32%	4.707%
5	7.409	7.362	7.530	PV	1636096	16955970	88.96%	4.966%
6	8.601	8.535	8.655	BB	1480313	16108586	84.52%	4.718%
7	10.215	10.165	10.275	BB	1502827	16849850	88.40%	4.935%
8	11.666	11.610	11.724	BB	1469692	17249418	90.50%	5.052%
9	11.992	11.924	12.057	BB	1639468	19059851	100.00%	5.583%
10	12.979	12.909	13.037	BB	1409836	16787284	88.08%	4.917%
11	13.427	13.335	13.494	BB	1223044	14749289	77.38%	4.320%
12	13.593	13.520	13.649	BB	1361908	16598194	87.08%	4.862%
13	14.181	14.105	14.240	BB	1330972	16594646	87.07%	4.861%
14	15.288	15.217	15.344	BB	1288586	16611261	87.15%	4.865%
15	16.313	16.255	16.369	BB	1263736	16325668	85.65%	4.782%
16	17.266	17.200	17.299	BBA	1155432	15859780	83.21%	4.645%
17	18.155	18.089	18.210	BB	1127298	15787066	82.83%	4.624%
18	18.990	18.920	19.042	BB	1047781	14882432	78.08%	4.359%
19	19.776	19.720	19.799	BBA	935373	13398021	70.29%	3.924%
20	20.516	20.450	20.549	BBA	822409	11781393	61.81%	3.451%
21	21.272	21.210	21.434	BB	606103	10906555	57.22%	3.195%
22	22.223	22.129	22.317	BB	398455	10108109	53.03%	2.961%
Sum of corrected areas:						341410195		

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

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

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

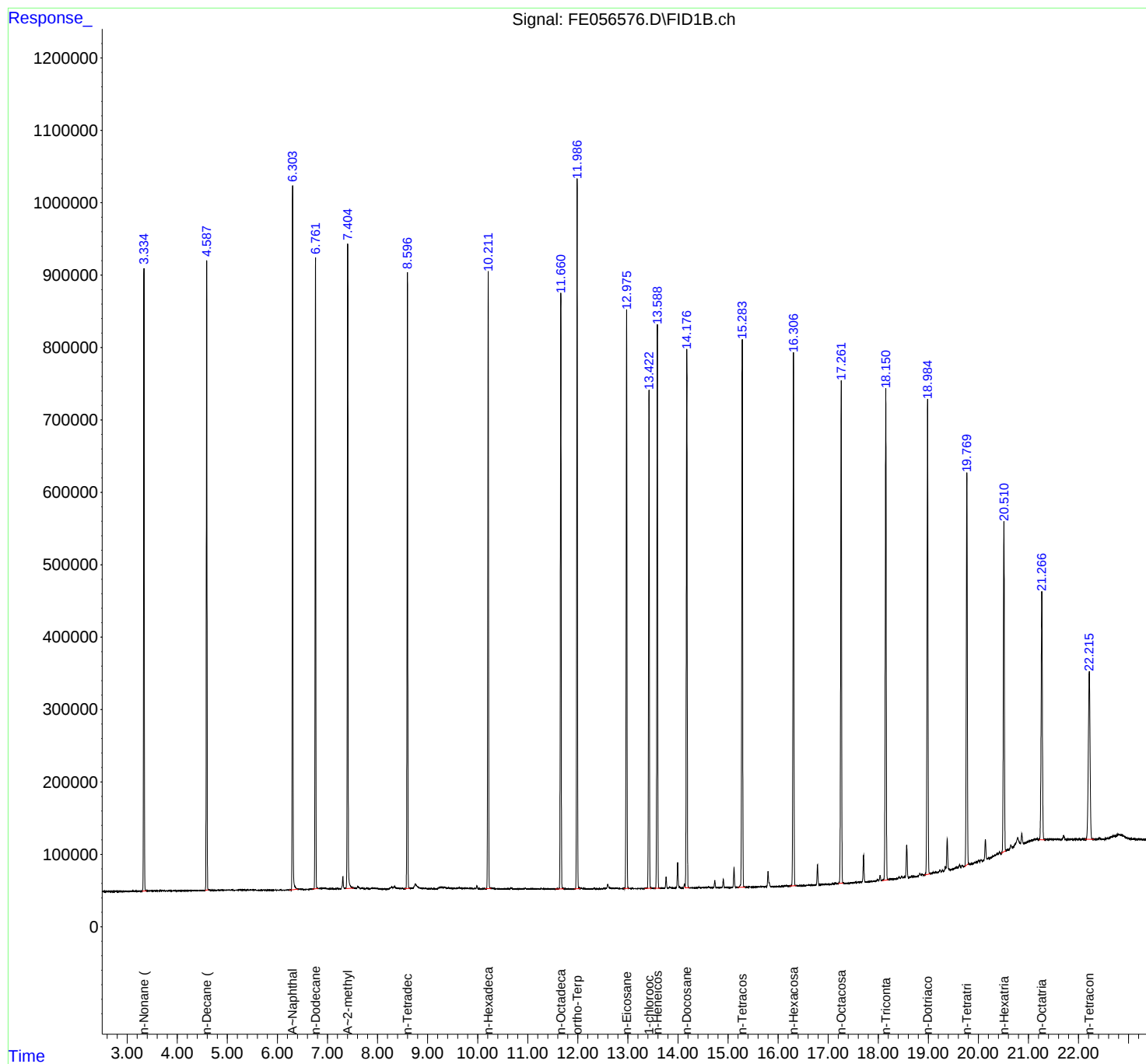
(m)=manual int.

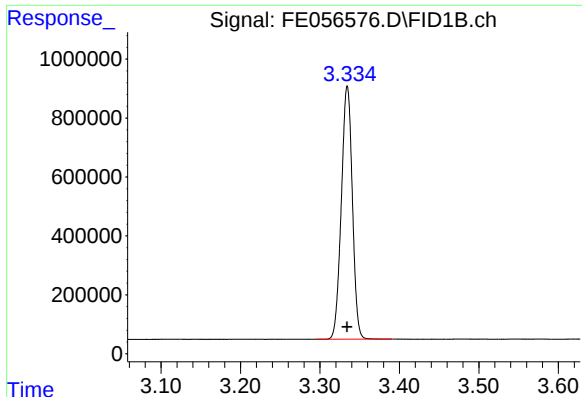
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056576.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 10:50
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

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

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

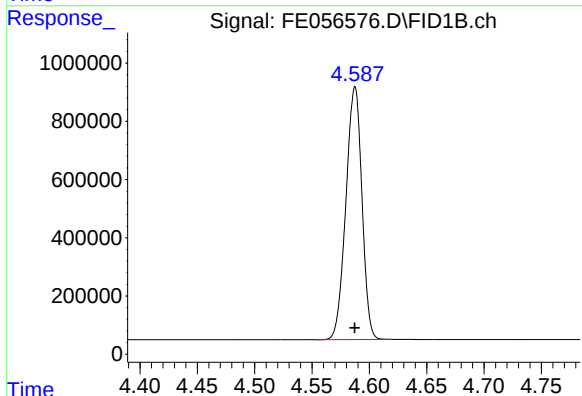




#1 n-Nonane (C9)

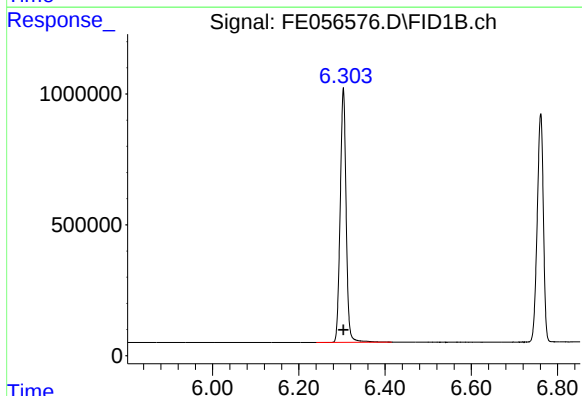
R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 8283699
Conc: 51.11 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



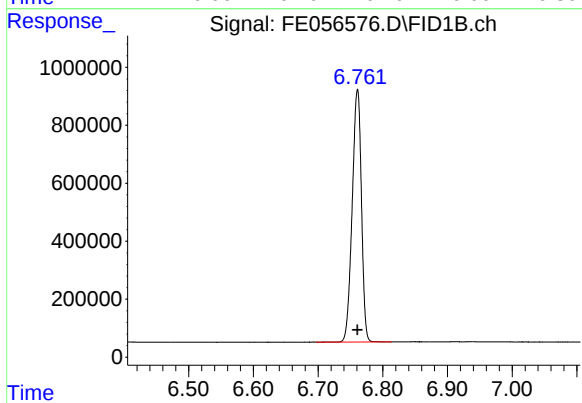
#2 n-Decane (C10)

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



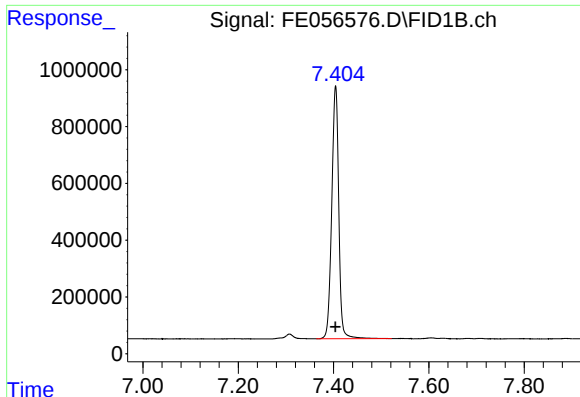
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

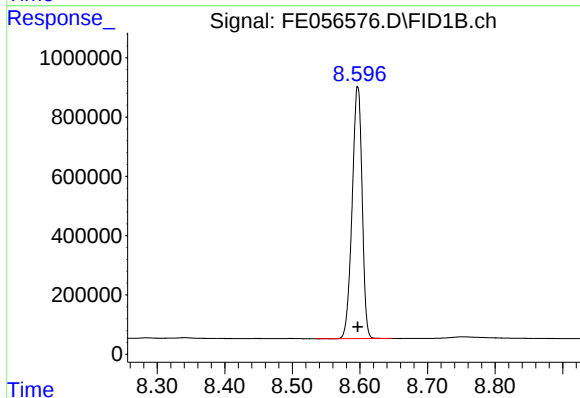
R.T.: 6.761 min
Delta R.T.: 0.000 min
Response: 8630420
Conc: 51.25 ug/ml



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

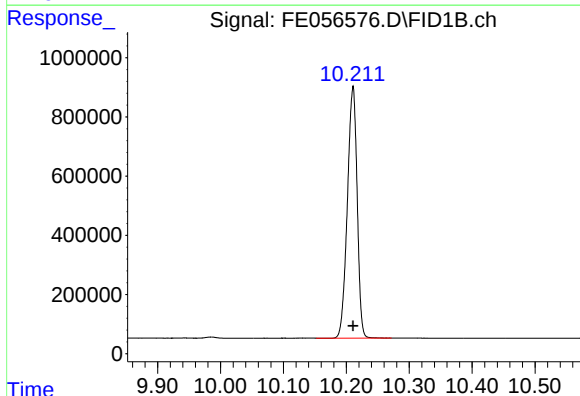
R.T.: 7.404 min
Delta R.T.: 0.000 min
Response: 9018328
Conc: 51.41 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



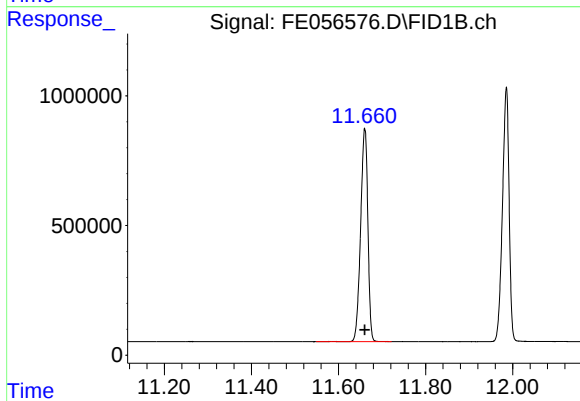
#6 n-Tetradecane (C14)

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



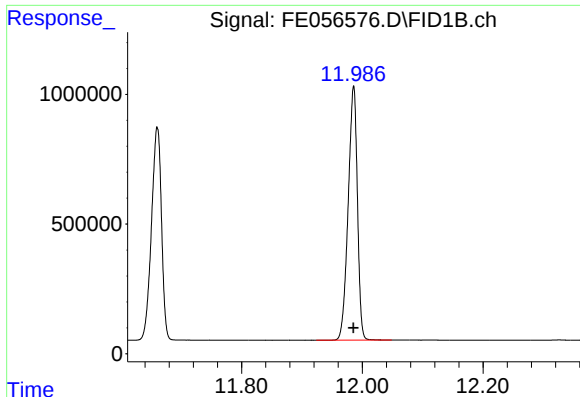
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

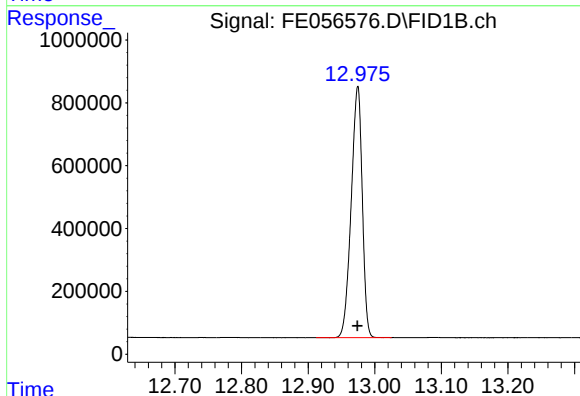
R.T.: 11.660 min
Delta R.T.: 0.000 min
Response: 9466424
Conc: 51.84 ug/ml



#9 ortho-Terphenyl (SURR)

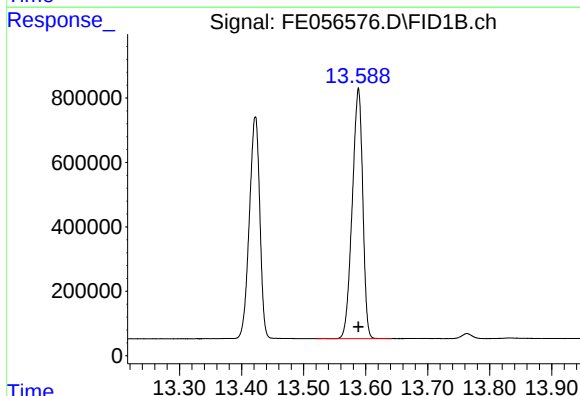
R.T.: 11.985 min
Delta R.T.: 0.000 min
Response: 10390390
Conc: 51.61 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



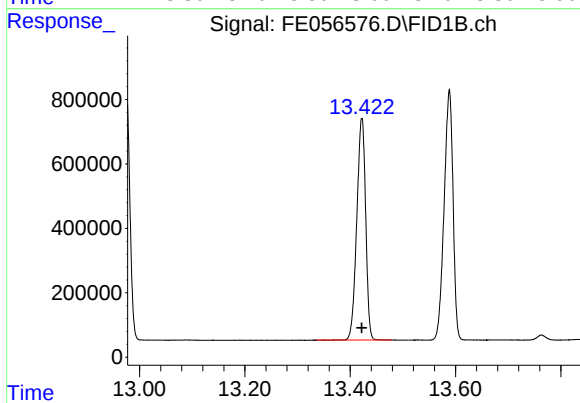
#10 n-Eicosane (C20)

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



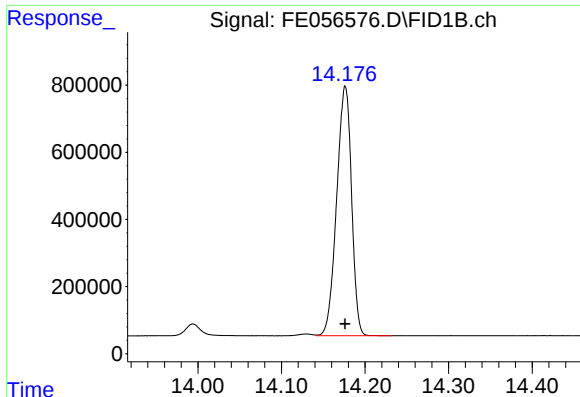
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

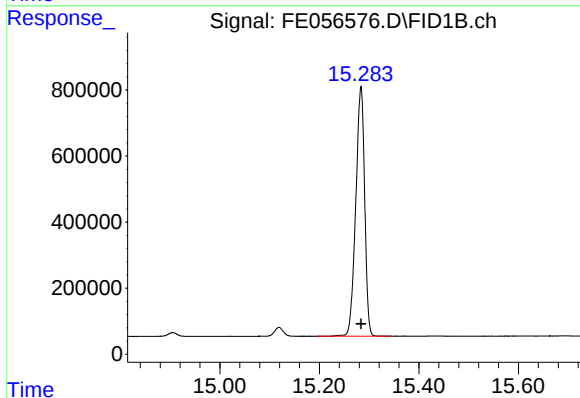
R.T.: 13.422 min
Delta R.T.: 0.000 min
Response: 8069798
Conc: 51.78 ug/ml



#13 n-Docosane (C22)

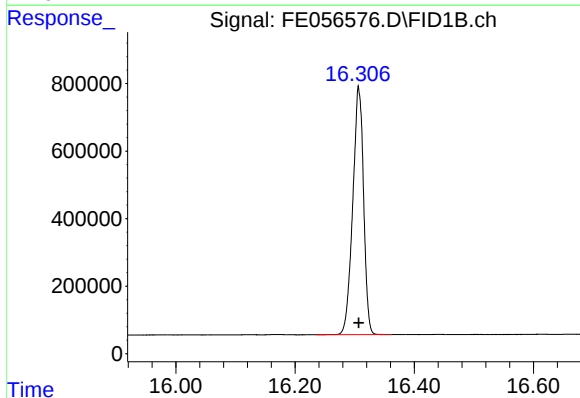
R.T.: 14.176 min
Delta R.T.: 0.000 min
Response: 9188407
Conc: 52.02 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



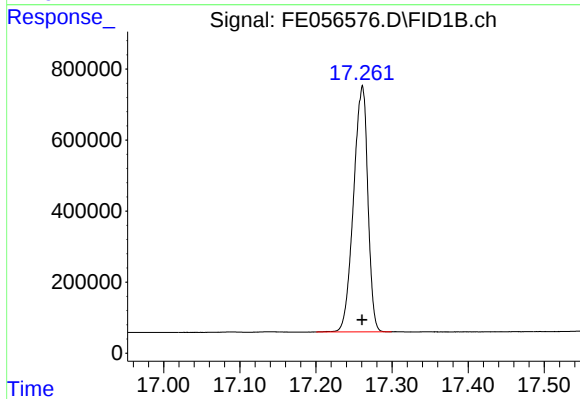
#14 n-Tetracosane (C24)

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



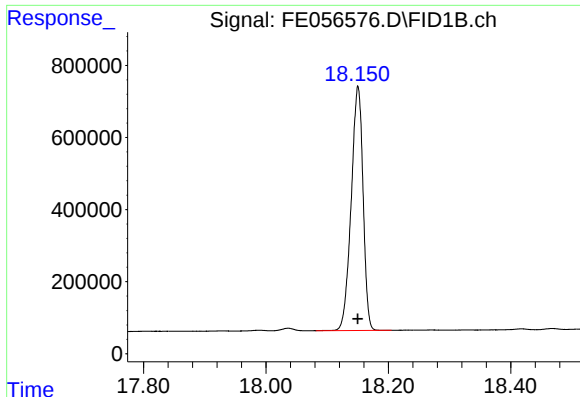
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

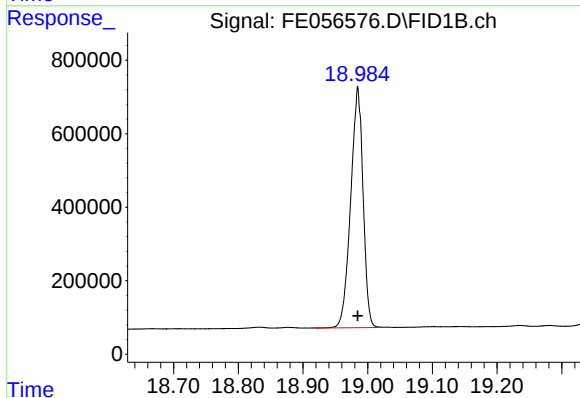
R.T.: 17.261 min
Delta R.T.: 0.000 min
Response: 9040985
Conc: 52.62 ug/ml



#17 n-Tricontane (C30)

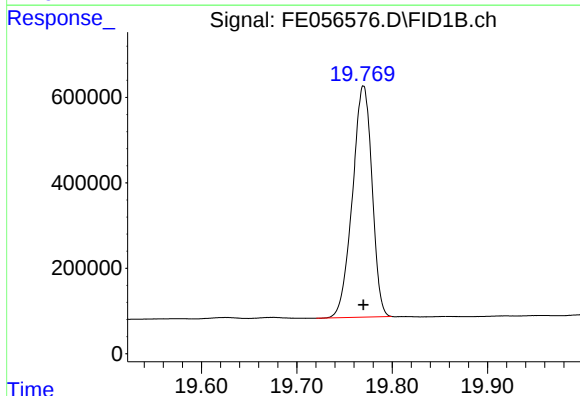
R.T.: 18.150 min
Delta R.T.: 0.000 min
Response: 9116641
Conc: 52.43 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



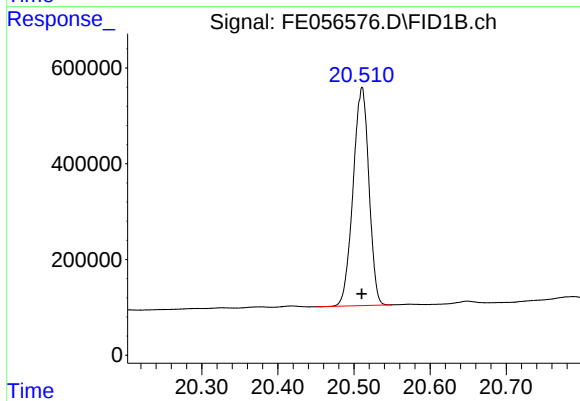
#18 n-Dotriacontane (C32)

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



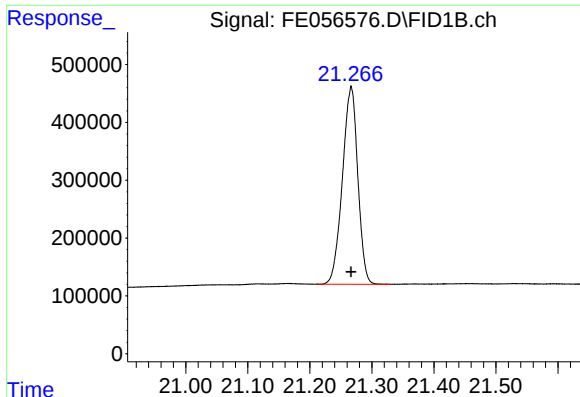
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

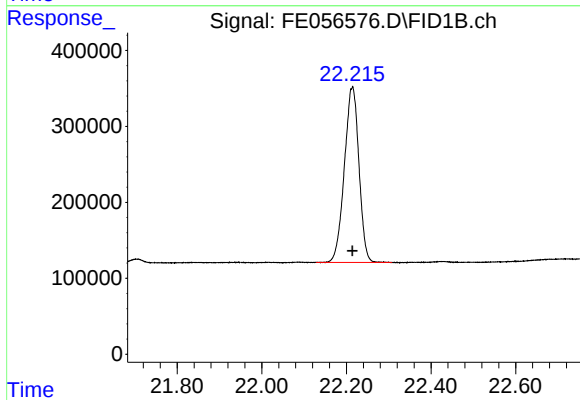
R.T.: 20.510 min
Delta R.T.: 0.000 min
Response: 6593672
Conc: 51.17 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.334	3.295	3.390	BB	859468	8283699	79.72%	4.402%
2	4.587	4.554	4.619	BBA	868249	8458707	81.41%	4.495%
3	6.303	6.240	6.415	BB	974202	9255687	89.08%	4.919%
4	6.761	6.697	6.814	BB	869786	8630420	83.06%	4.586%
5	7.404	7.364	7.522	BB	890333	9018328	86.79%	4.792%
6	8.597	8.535	8.647	BB	849680	8702299	83.75%	4.624%
7	10.210	10.152	10.272	BB	848274	9165065	88.21%	4.870%
8	11.660	11.549	11.722	BB	822893	9466424	91.11%	5.030%
9	11.985	11.924	12.049	BB	981415	10390390	100.00%	5.521%
10	12.974	12.912	13.025	BB	797927	9224749	88.78%	4.902%
11	13.422	13.335	13.479	BB	689355	8069798	77.67%	4.288%
12	13.588	13.520	13.642	BB	780350	9116016	87.74%	4.844%
13	14.176	14.142	14.232	VB	743785	9188407	88.43%	4.883%
14	15.283	15.194	15.345	BB	757600	9376021	90.24%	4.982%
15	16.307	16.235	16.362	BB	727588	9244371	88.97%	4.912%
16	17.261	17.200	17.299	BBA	690402	9040985	87.01%	4.804%
17	18.150	18.082	18.205	BB	679486	9116641	87.74%	4.845%
18	18.985	18.920	19.037	BB	654654	8697901	83.71%	4.622%
19	19.770	19.720	19.799	BBA	541984	7726773	74.36%	4.106%
20	20.510	20.450	20.549	BBA	457176	6593672	63.46%	3.504%
21	21.266	21.210	21.332	BB	342971	5889118	56.68%	3.129%
22	22.214	22.129	22.307	BB	230200	5525608	53.18%	2.936%
Sum of corrected areas:						188181079		

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

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

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

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

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.980	4110239	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.418	3172652	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.333	3309356	20.000 ug/ml
2) T n-Decane (C10)	4.585	3388814	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.302	3665296	20.000 ug/ml
4) T n-Dodecane (C12)	6.758	3436704	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.402	3527076	20.000 ug/ml
6) T n-Tetradecane (C14)	8.593	3435589	20.000 ug/ml
7) T n-Hexadecane (C16)	10.207	3603610	20.000 ug/ml
8) T n-Octadecane (C18)	11.656	3719660	20.000 ug/ml
10) T n-Eicosane (C20)	12.970	3642327	20.000 ug/ml
11) T n-Heneicosane (C21)	13.584	3600979	20.000 ug/ml
13) T n-Docosane (C22)	14.172	3603427	20.000 ug/ml
14) T n-Tetracosane (C24)	15.278	3625778	20.000 ug/ml
15) T n-Hexacosane (C26)	16.302	3573189	20.000 ug/ml
16) T n-Octacosane (C28)	17.255	3520565	20.000 ug/ml
17) T n-Tricontane (C30)	18.146	3627924	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.981	3543930	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.766	3202986	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.507	2737391	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.262	2396120	20.000 ug/ml
22) T n-Tetracontane (C40)	22.211	2215261	20.000 ug/ml

(f)=RT Delta > 1/2 Window

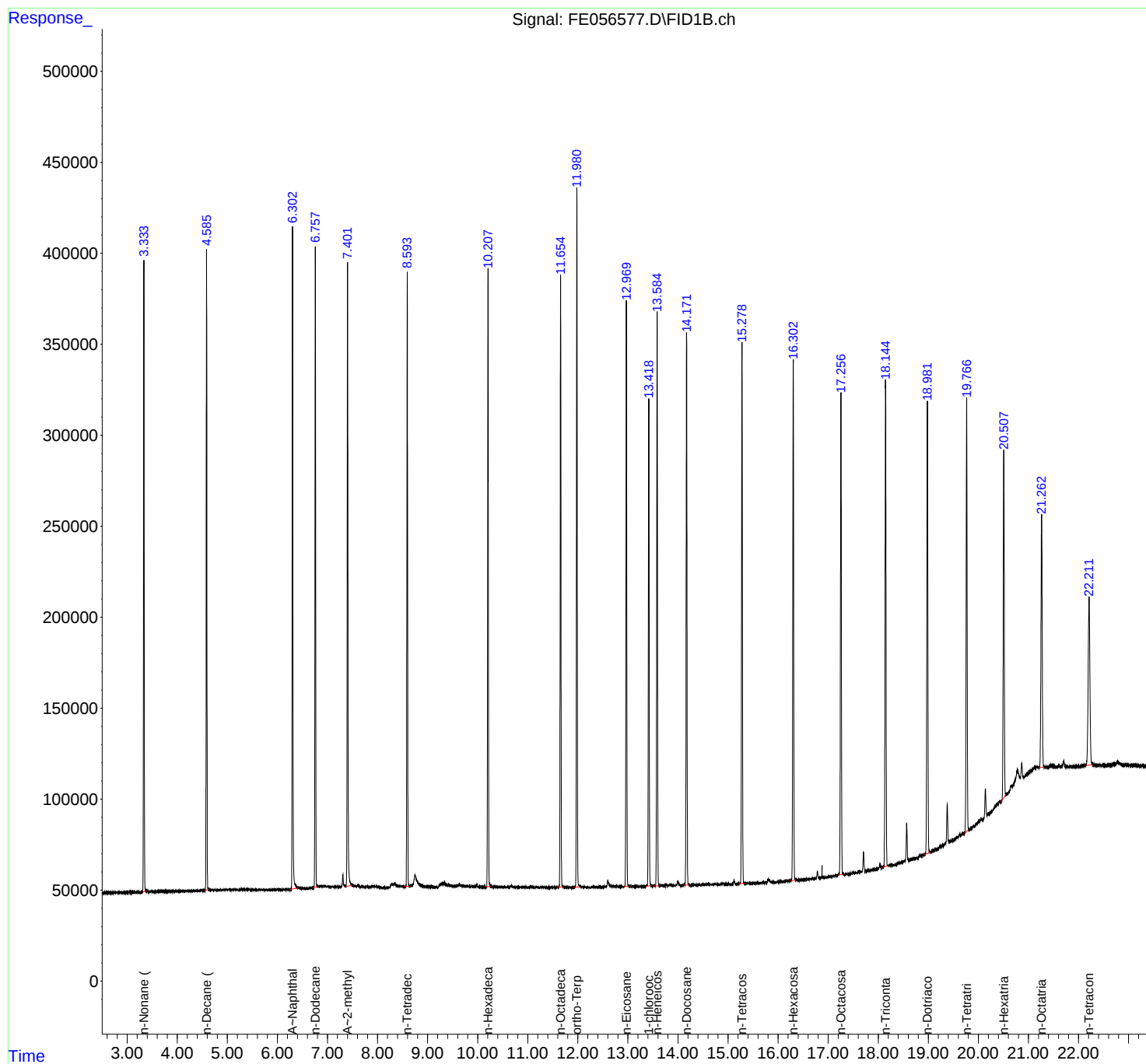
(m)=manual int.

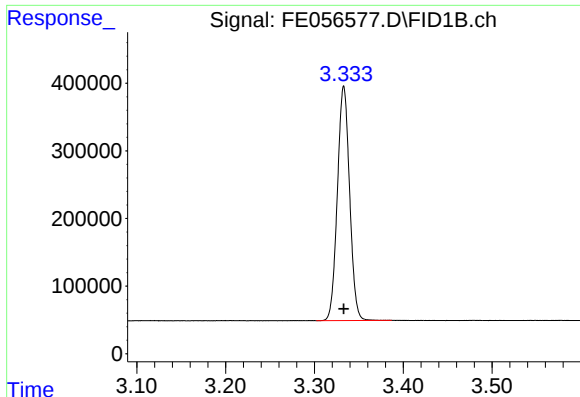
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056577.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 11:20
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

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

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

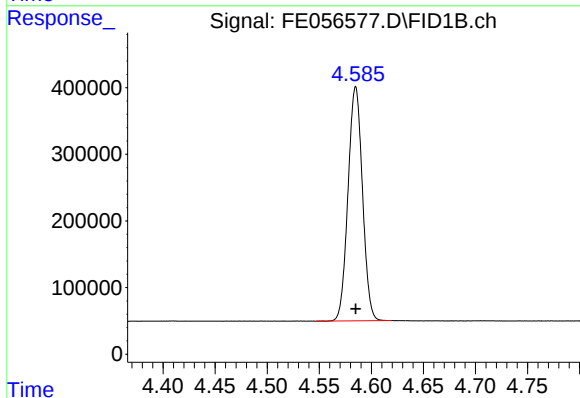




#1 n-Nonane (C9)

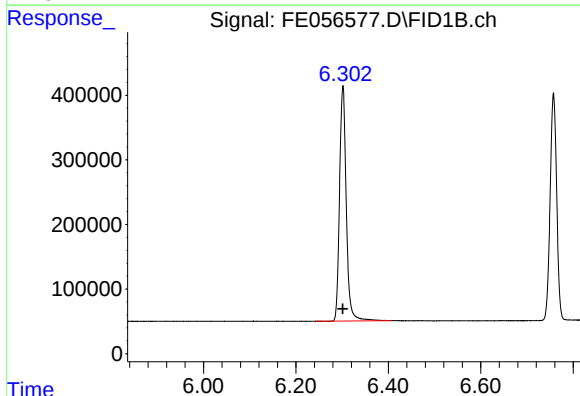
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 3309356
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



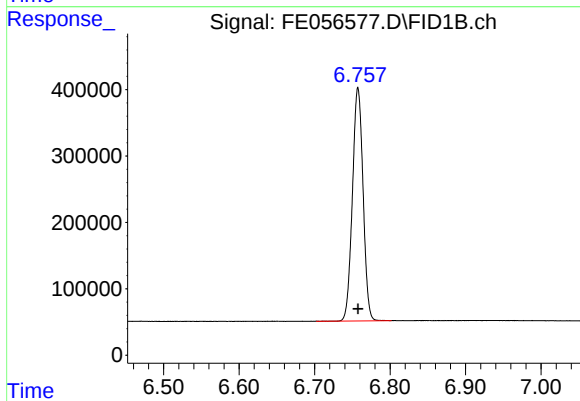
#2 n-Decane (C10)

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



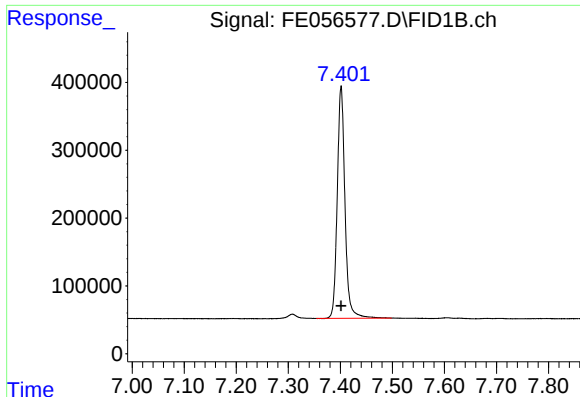
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

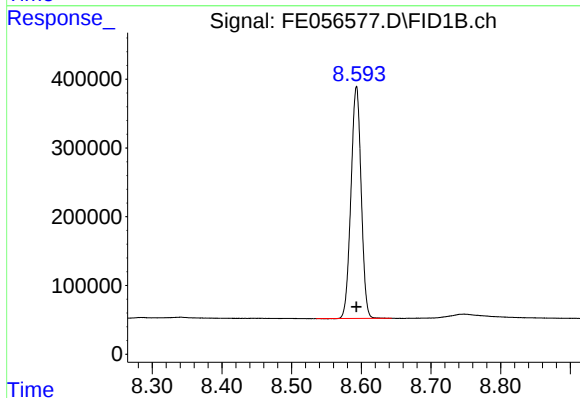
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 3436704
Conc: 20.00 ug/ml



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

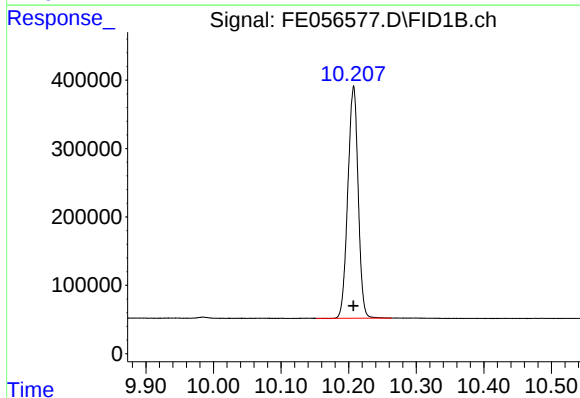
R.T.: 7.402 min
Delta R.T.: 0.000 min
Response: 3527076
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



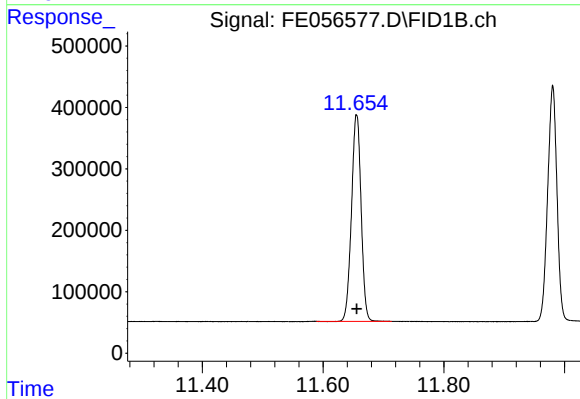
#6 n-Tetradecane (C14)

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



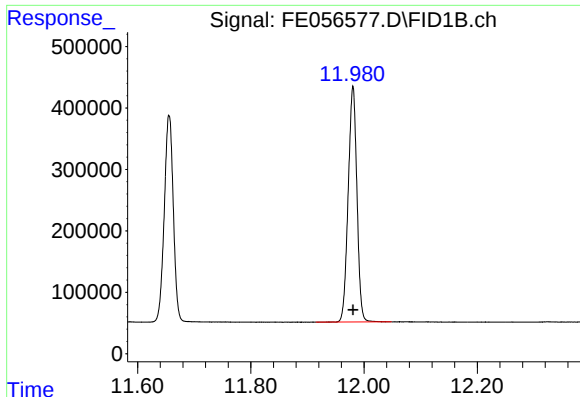
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

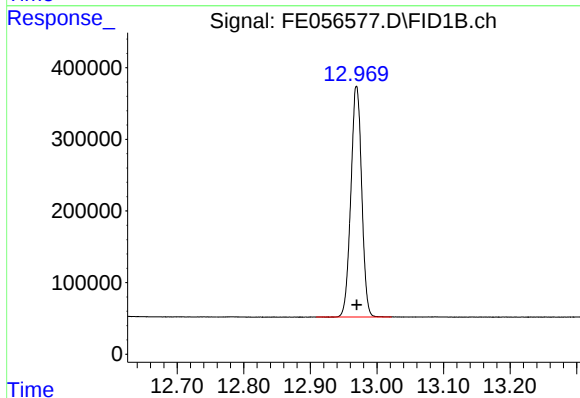
R.T.: 11.656 min
Delta R.T.: 0.000 min
Response: 3719660
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

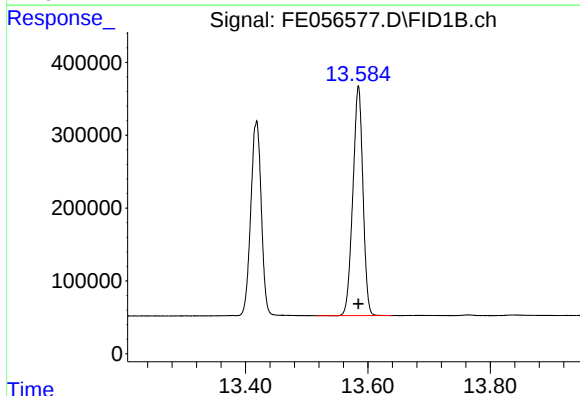
R.T.: 11.980 min
Delta R.T.: 0.000 min
Response: 4110239
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



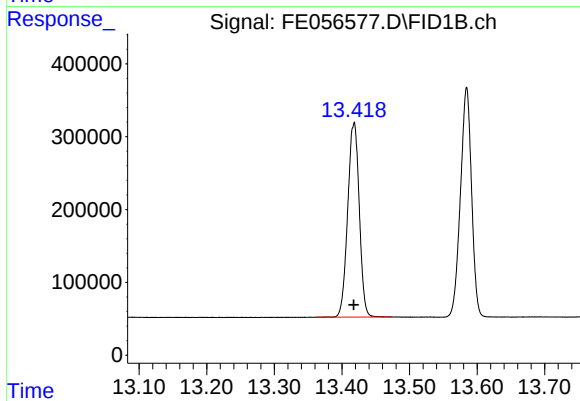
#10 n-Eicosane (C20)

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



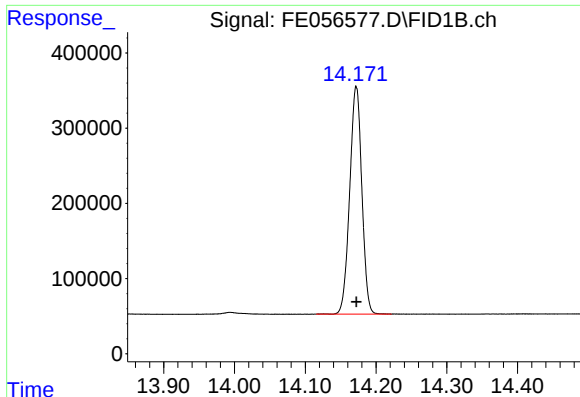
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

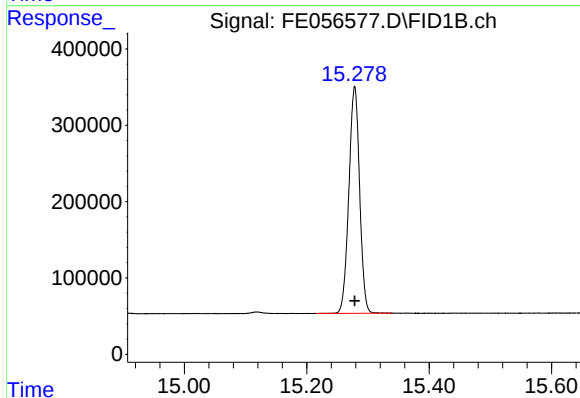
R.T.: 13.418 min
Delta R.T.: 0.000 min
Response: 3172652
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

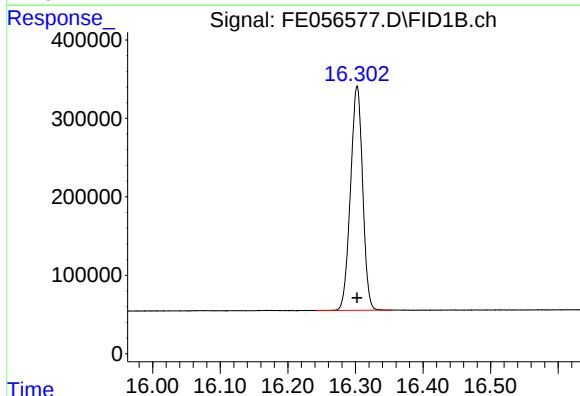
R.T.: 14.172 min
Delta R.T.: 0.000 min
Response: 3603427
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



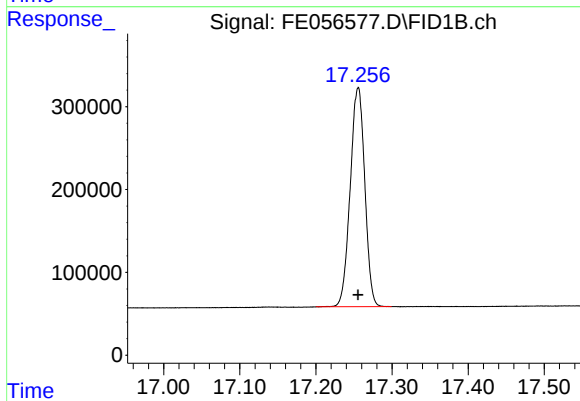
#14 n-Tetracosane (C24)

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



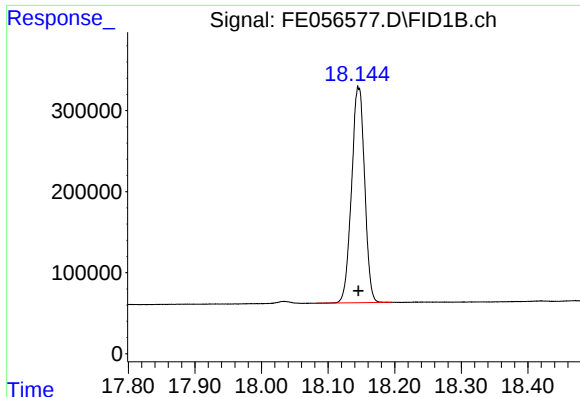
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

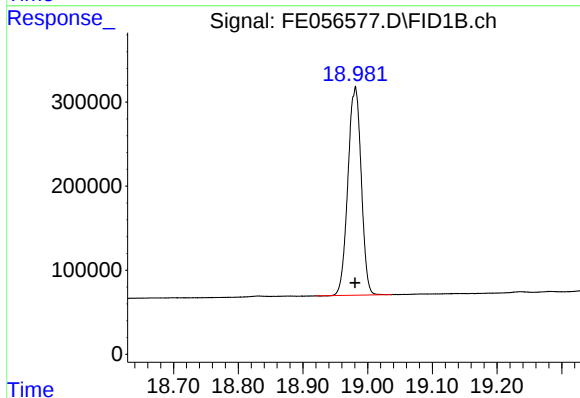
R.T.: 17.255 min
Delta R.T.: 0.000 min
Response: 3520565
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

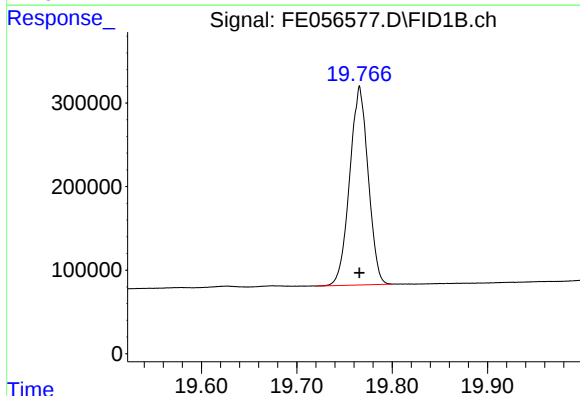
R.T.: 18.146 min
Delta R.T.: 0.000 min
Response: 3627924
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



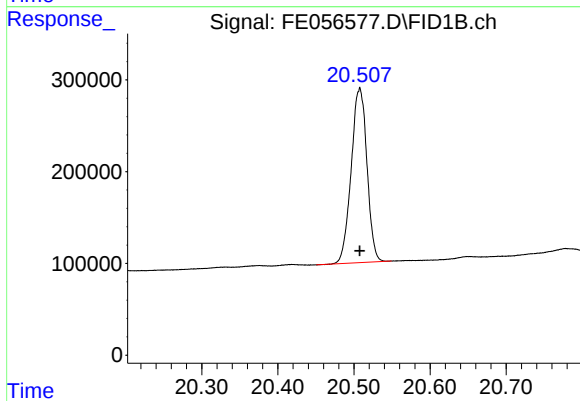
#18 n-Dotriacontane (C32)

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



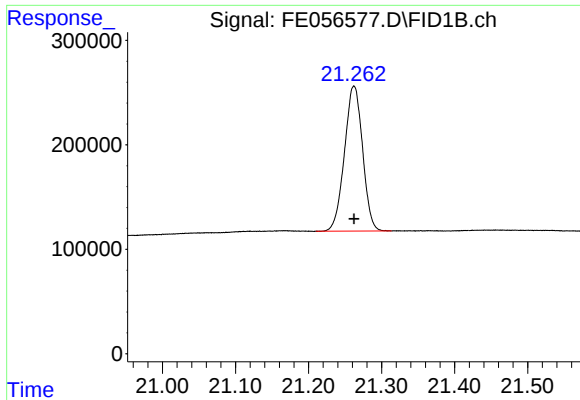
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

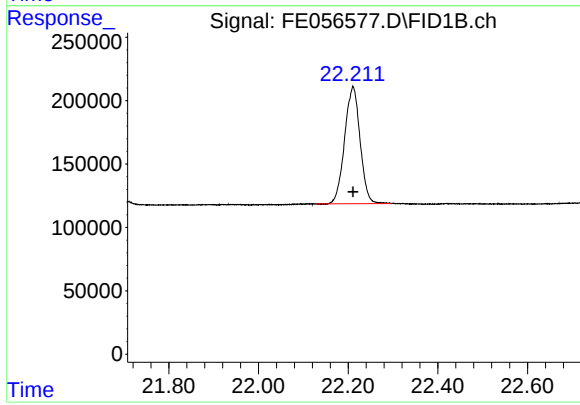
R.T.: 20.507 min
Delta R.T.: 0.000 min
Response: 2737391
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.333	3.302	3.387	BB	346822	3309356	80.51%	4.433%
2	4.585	4.547	4.619	BBA	352192	3388814	82.45%	4.539%
3	6.302	6.244	6.407	BB	364861	3665296	89.17%	4.909%
4	6.758	6.702	6.802	BB	351549	3436704	83.61%	4.603%
5	7.402	7.354	7.499	BB	342824	3527076	85.81%	4.724%
6	8.593	8.535	8.644	BB	338958	3435589	83.59%	4.602%
7	10.207	10.152	10.264	BB	338730	3603610	87.67%	4.827%
8	11.656	11.589	11.714	BB	336890	3719660	90.50%	4.982%
9	11.980	11.915	12.049	BB	384534	4110239	100.00%	5.505%
10	12.970	12.909	13.022	BB	322608	3642327	88.62%	4.879%
11	13.418	13.362	13.474	BB	264565	3172652	77.19%	4.250%
12	13.584	13.515	13.639	BB	315131	3600979	87.61%	4.823%
13	14.172	14.115	14.222	BB	303235	3603427	87.67%	4.827%
14	15.278	15.215	15.339	BB	298227	3625778	88.21%	4.856%
15	16.302	16.242	16.354	BB	285534	3573189	86.93%	4.786%
16	17.255	17.200	17.299	BBA	264764	3520565	85.65%	4.716%
17	18.146	18.082	18.195	BB	266055	3627924	88.27%	4.859%
18	18.981	18.920	19.037	BB	246347	3543930	86.22%	4.747%
19	19.766	19.720	19.799	BBA	237128	3202986	77.93%	4.290%
20	20.507	20.450	20.549	BBA	189105	2737391	66.60%	3.667%
21	21.262	21.210	21.314	BB	138965	2396120	58.30%	3.209%
22	22.211	22.129	22.297	BB	92560	2215261	53.90%	2.967%
Sum of corrected areas:							74658870	

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

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

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

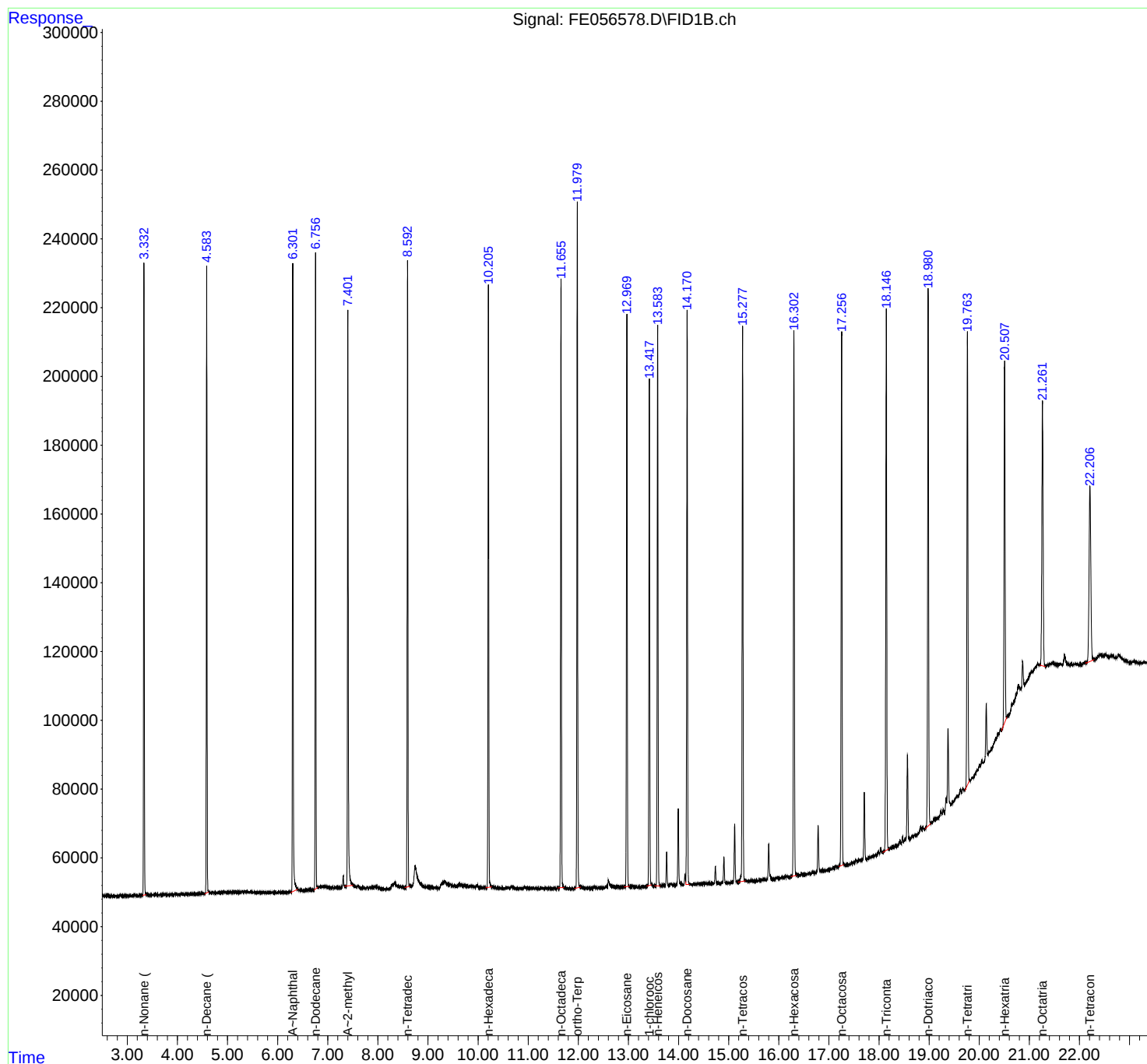
(m)=manual int.

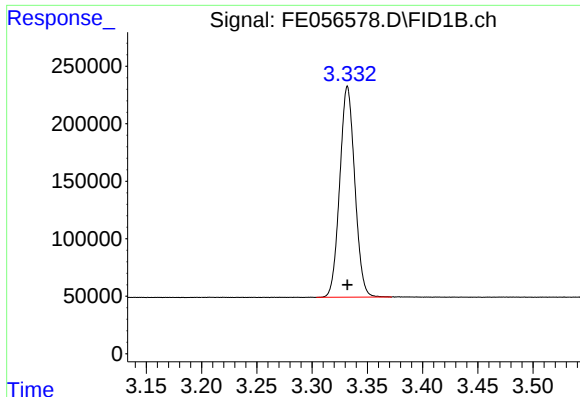
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056578.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 11:51
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

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

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

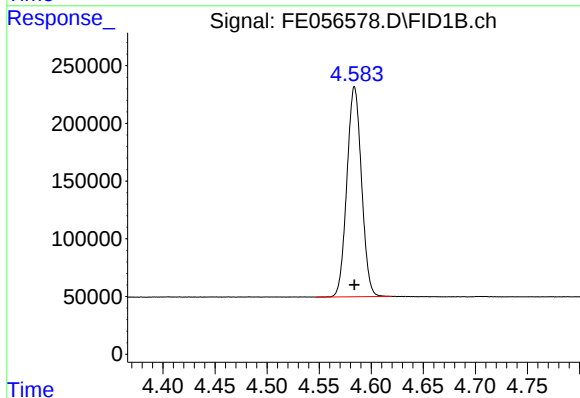




#1 n-Nonane (C9)

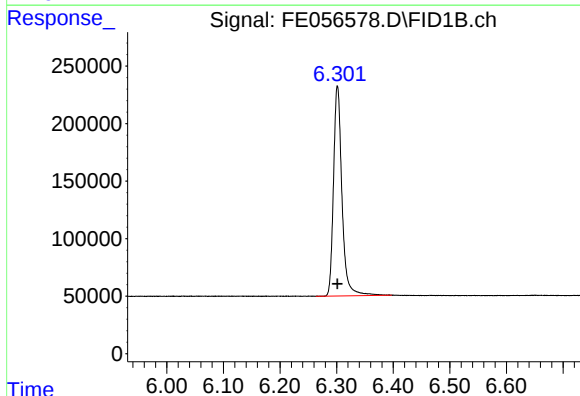
R.T.: 3.332 min
Delta R.T.: 0.000 min
Response: 1739861
Conc: 10.54 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



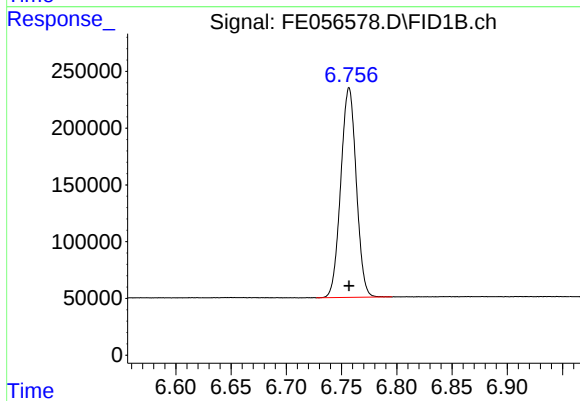
#2 n-Decane (C10)

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



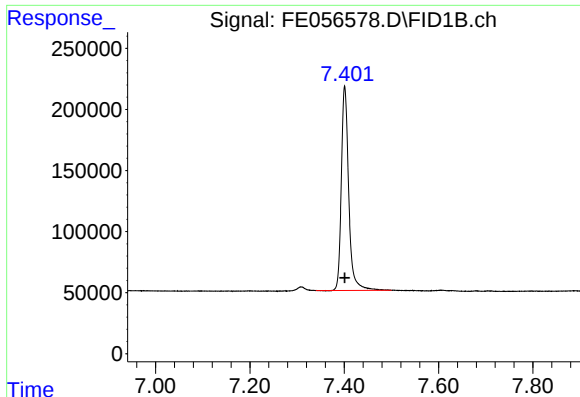
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

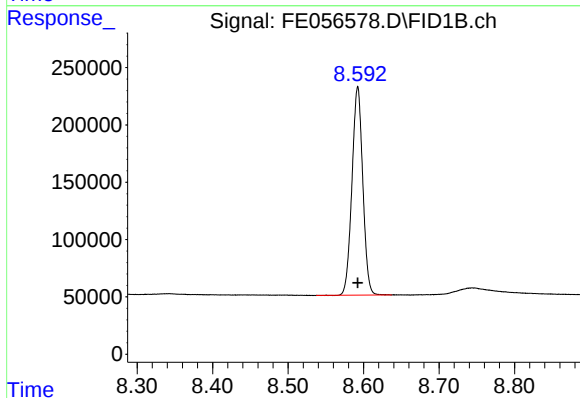
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 1805400
Conc: 10.53 ug/ml



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

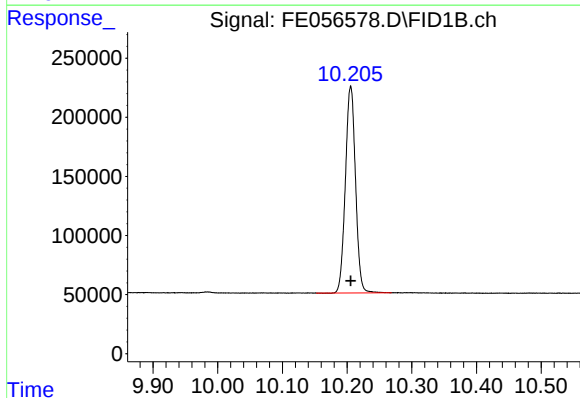
R.T.: 7.401 min
Delta R.T.: 0.000 min
Response: 1809756
Conc: 10.24 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



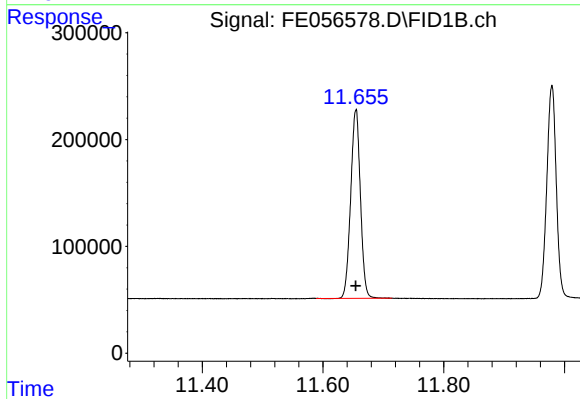
#6 n-Tetradecane (C14)

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



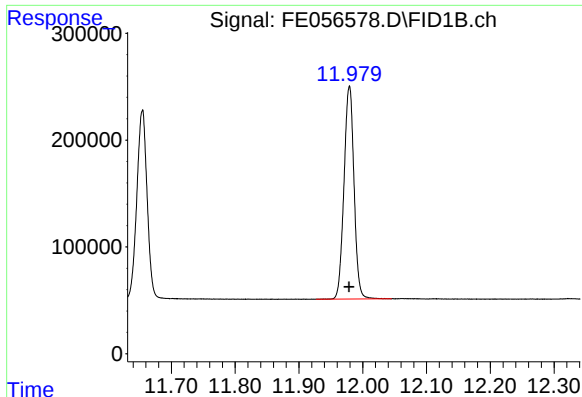
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

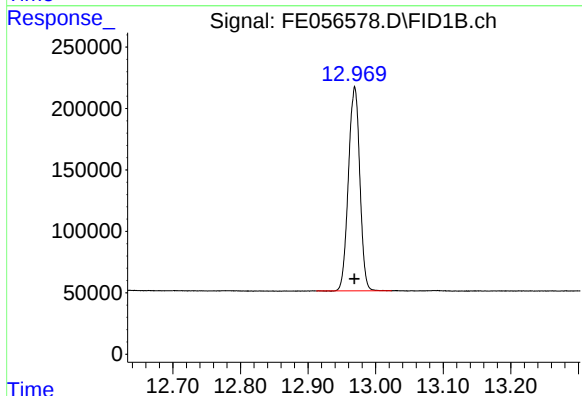
R.T.: 11.654 min
Delta R.T.: 0.000 min
Response: 1972225
Conc: 10.59 ug/ml



#9 ortho-Terphenyl (SURR)

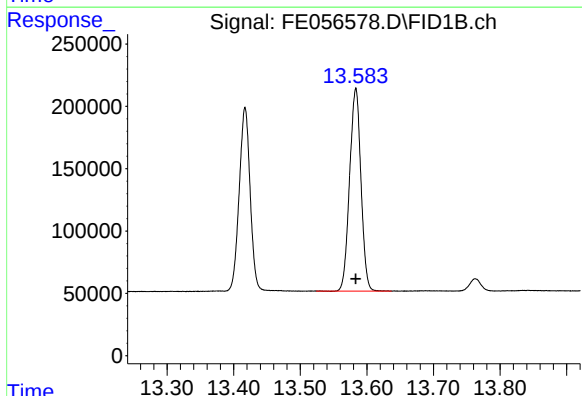
R.T.: 11.979 min
Delta R.T.: 0.000 min
Response: 2175105
Conc: 10.59 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



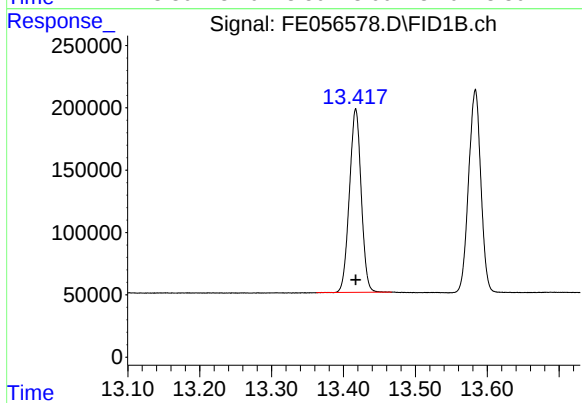
#10 n-Eicosane (C20)

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



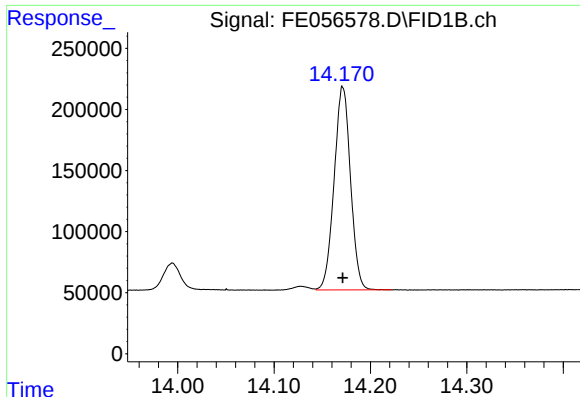
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

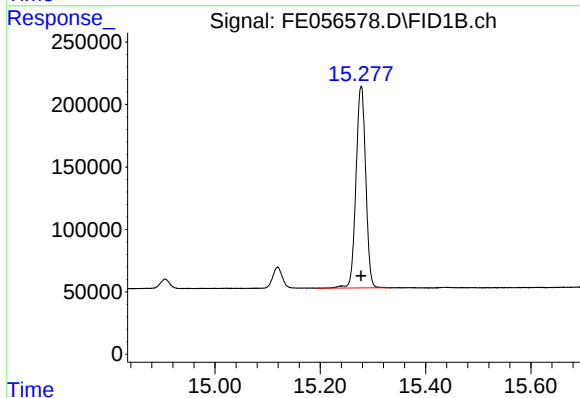
R.T.: 13.417 min
Delta R.T.: 0.000 min
Response: 1673178
Conc: 10.54 ug/ml



#13 n-Docosane (C22)

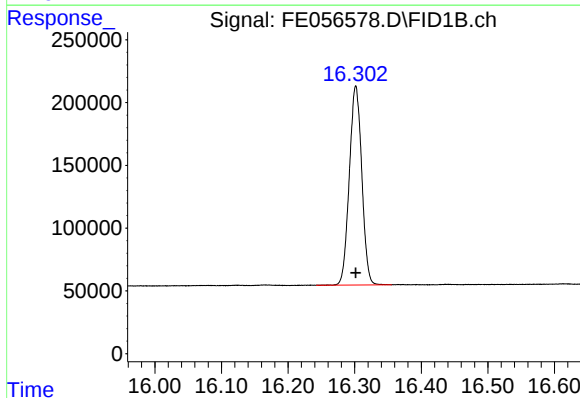
R.T.: 14.171 min
Delta R.T.: 0.000 min
Response: 1965821
Conc: 10.82 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



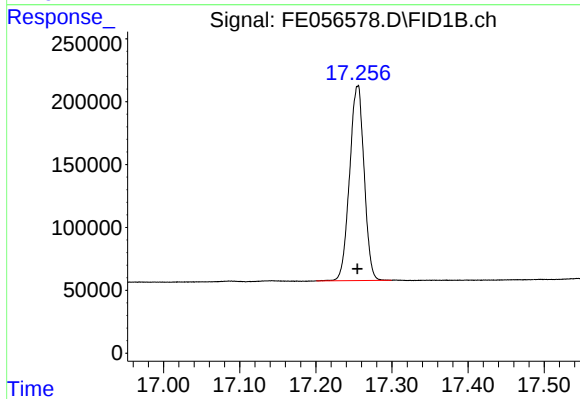
#14 n-Tetracosane (C24)

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



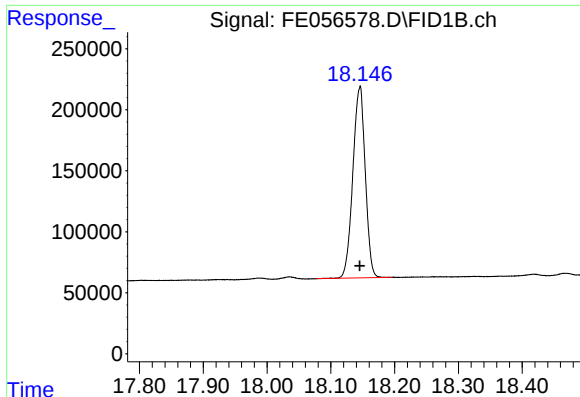
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

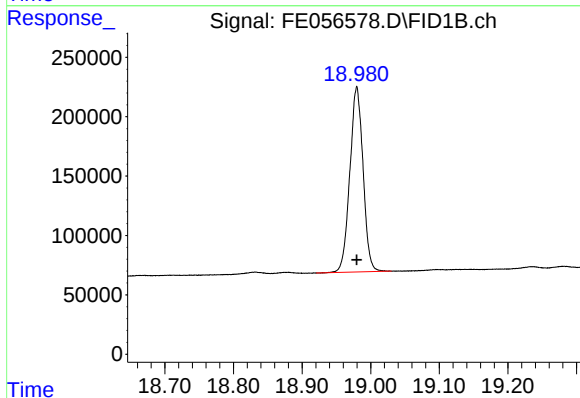
R.T.: 17.255 min
Delta R.T.: 0.000 min
Response: 2055084
Conc: 11.40 ug/ml



#17 n-Tricontane (C30)

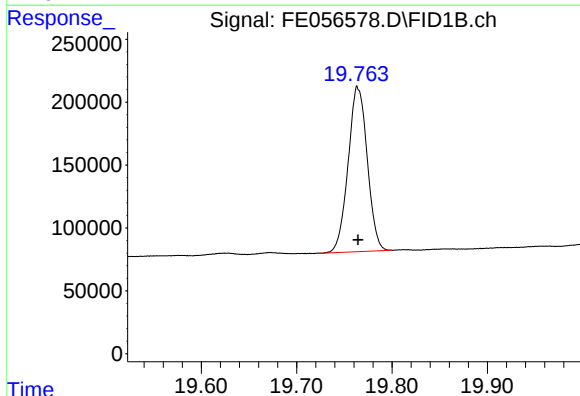
R.T.: 18.145 min
Delta R.T.: 0.000 min
Response: 2121276
Conc: 11.56 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



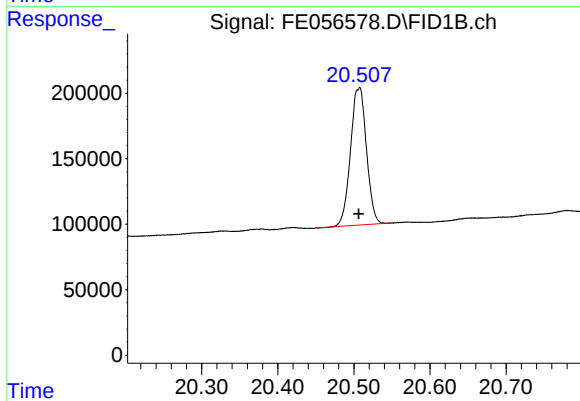
#18 n-Dotriacontane (C32)

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



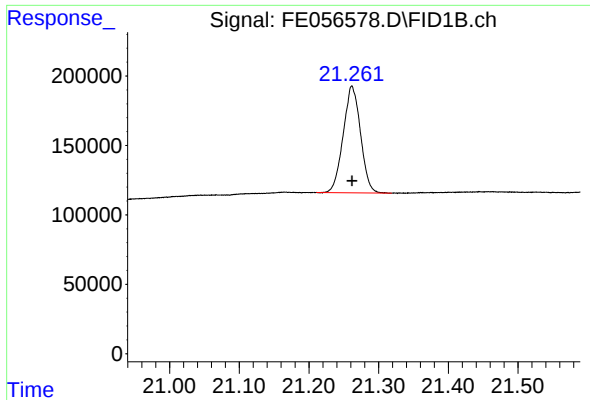
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

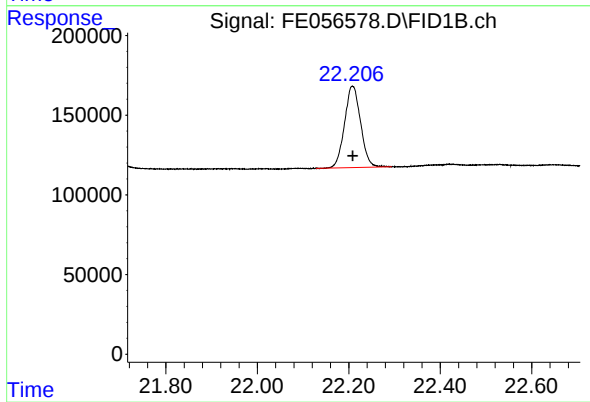
R.T.: 20.507 min
Delta R.T.: 0.000 min
Response: 1529216
Conc: 11.34 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.332	3.304	3.372	BB	183333	1739861	79.99%	4.272%
2	4.584	4.547	4.620	BBA	182225	1778707	81.78%	4.367%
3	6.302	6.264	6.397	BB	182183	1900301	87.37%	4.666%
4	6.757	6.727	6.795	BB	185256	1805400	83.00%	4.433%
5	7.401	7.340	7.500	BB	165998	1809756	83.20%	4.444%
6	8.592	8.537	8.637	BB	181787	1806960	83.07%	4.437%
7	10.206	10.152	10.269	BB	174738	1900814	87.39%	4.667%
8	11.654	11.589	11.714	BB	176404	1972225	90.67%	4.843%
9	11.979	11.927	12.045	BB	199071	2175105	100.00%	5.341%
10	12.969	12.912	13.024	BB	166384	1949024	89.61%	4.786%
11	13.417	13.362	13.467	BB	147215	1673178	76.92%	4.108%
12	13.583	13.524	13.637	BB	163350	1922827	88.40%	4.721%
13	14.171	14.144	14.222	VB	165444	1965821	90.38%	4.827%
14	15.278	15.192	15.335	BB	161436	2071768	95.25%	5.087%
15	16.302	16.242	16.355	BB	158775	2057752	94.60%	5.053%
16	17.255	17.200	17.300	BBA	155015	2055084	94.48%	5.046%
17	18.145	18.077	18.195	BB	156516	2121276	97.53%	5.209%
18	18.980	18.920	19.030	BB	156591	2084284	95.82%	5.118%
19	19.764	19.720	19.800	BBA	130721	1830892	84.17%	4.496%
20	20.507	20.450	20.550	BBA	104860	1529216	70.31%	3.755%
21	21.262	21.210	21.319	BB	76821	1330818	61.18%	3.268%
22	22.208	22.129	22.294	BB	50974	1245352	57.25%	3.058%
Sum of corrected areas:							40726422	

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

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

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

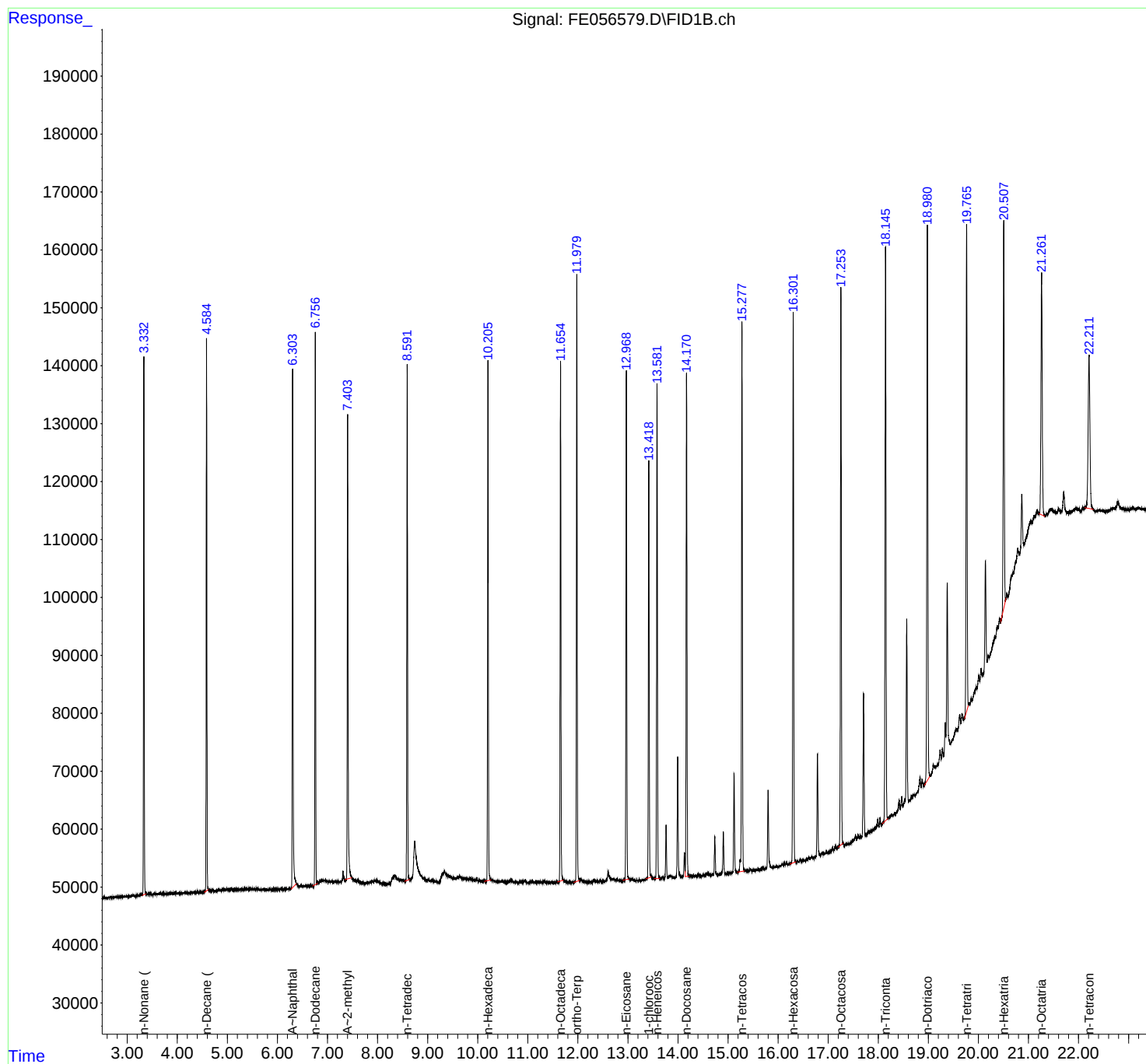
(m)=manual int.

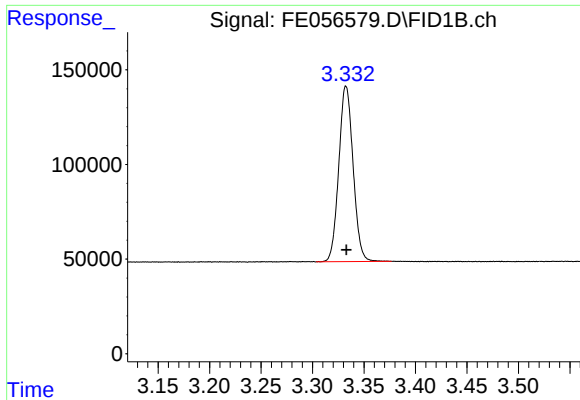
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056579.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 12:21
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

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

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

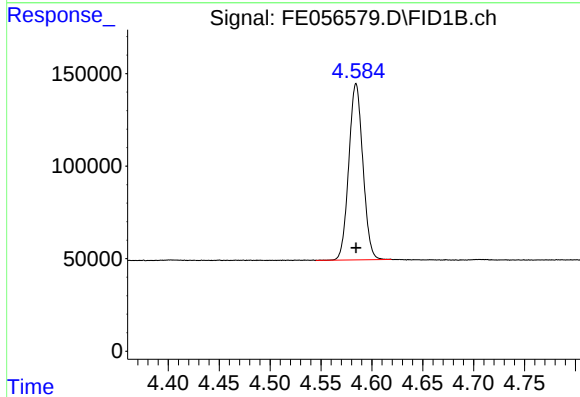




#1 n-Nonane (C9)

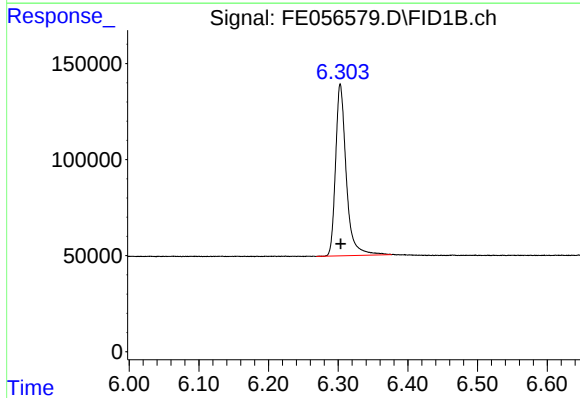
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 897930
Conc: 5.35 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



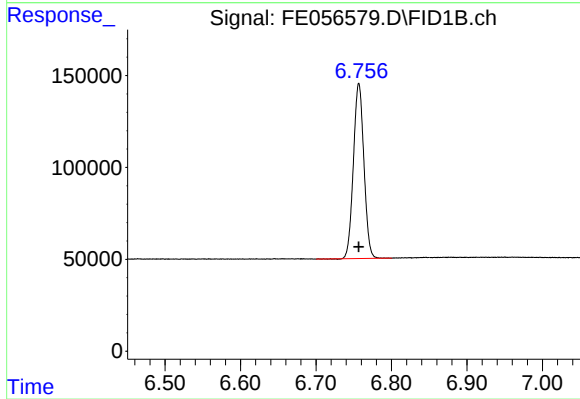
#2 n-Decane (C10)

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



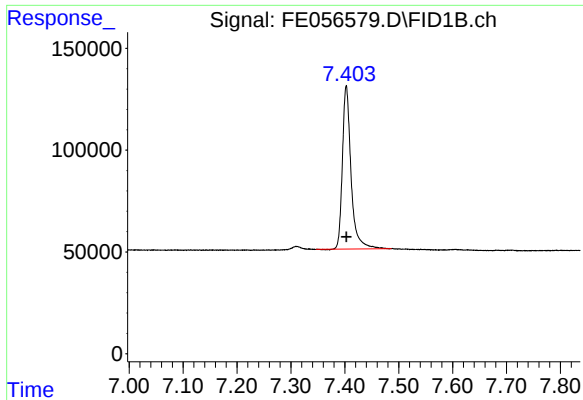
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

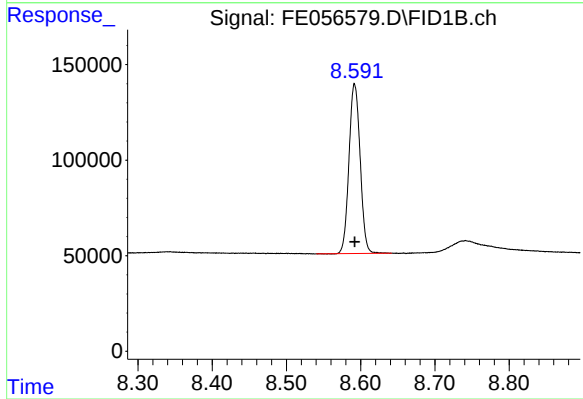
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 919808
Conc: 5.29 ug/ml



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

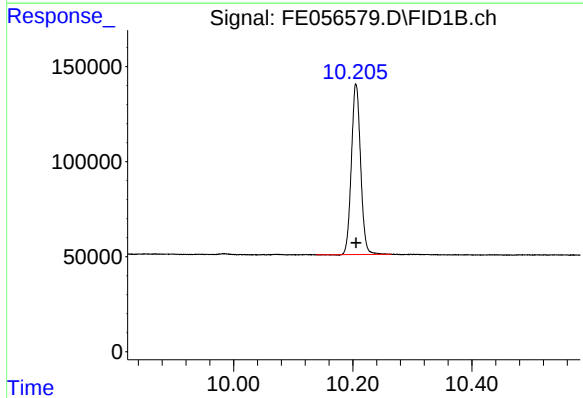
R.T.: 7.403 min
Delta R.T.: 0.000 min
Response: 894288
Conc: 5.05 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



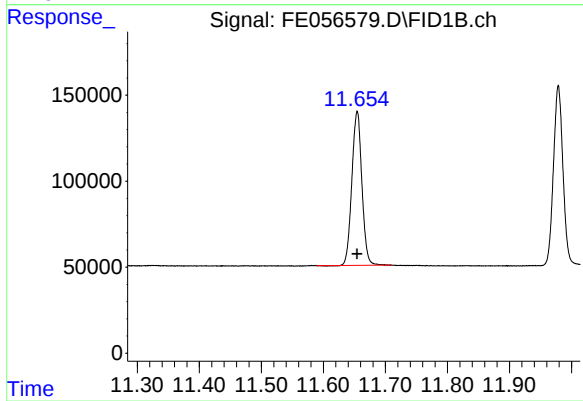
#6 n-Tetradecane (C14)

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



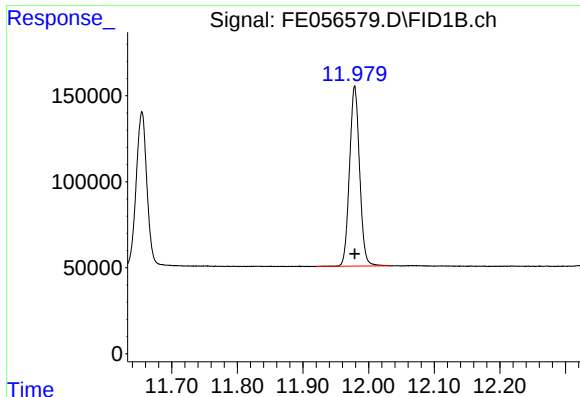
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

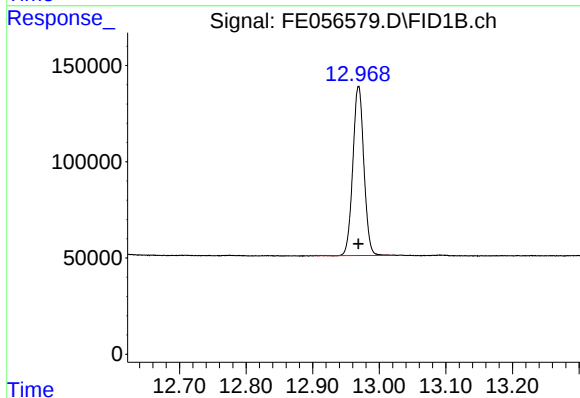
R.T.: 11.654 min
Delta R.T.: 0.000 min
Response: 1006643
Conc: 5.32 ug/ml



#9 ortho-Terphenyl (SURR)

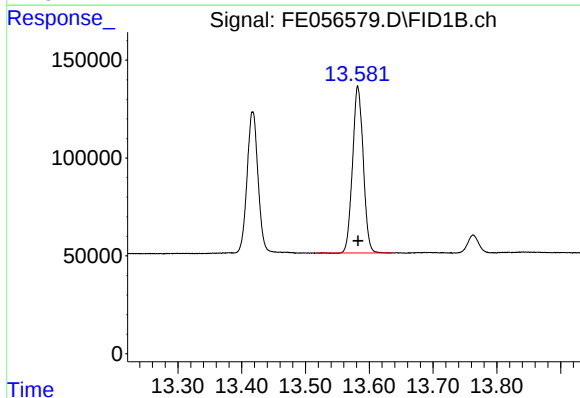
R.T.: 11.979 min
Delta R.T.: 0.000 min
Response: 1115676
Conc: 5.34 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



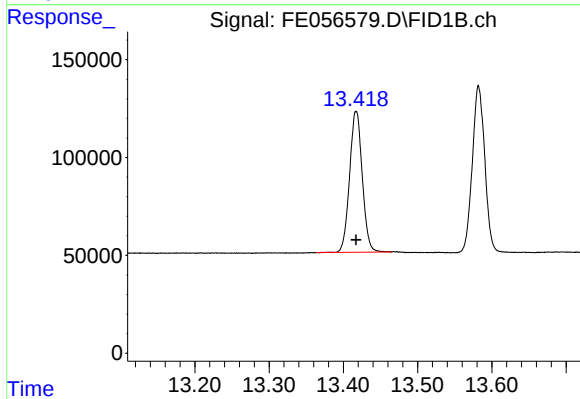
#10 n-Eicosane (C20)

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



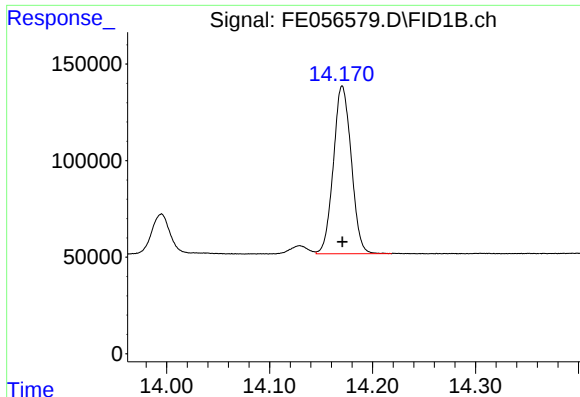
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

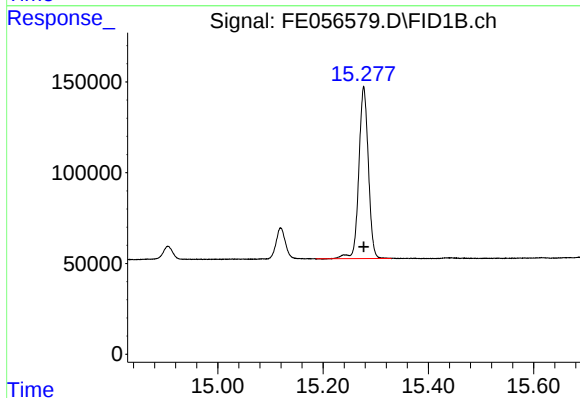
R.T.: 13.417 min
Delta R.T.: 0.000 min
Response: 853728
Conc: 5.30 ug/ml



#13 n-Docosane (C22)

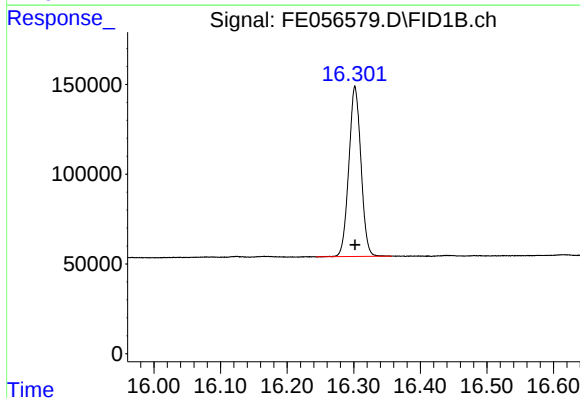
R.T.: 14.171 min
Delta R.T.: 0.000 min
Response: 1047683
Conc: 5.60 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



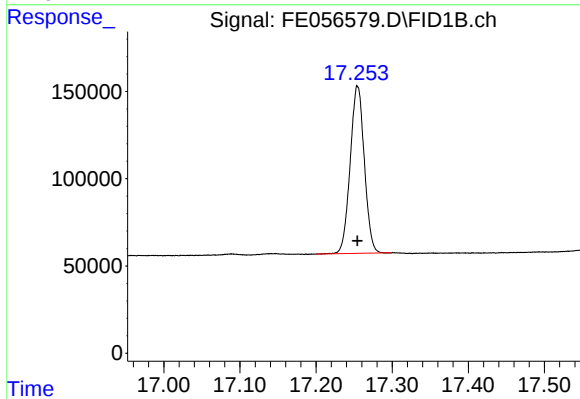
#14 n-Tetracosane (C24)

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



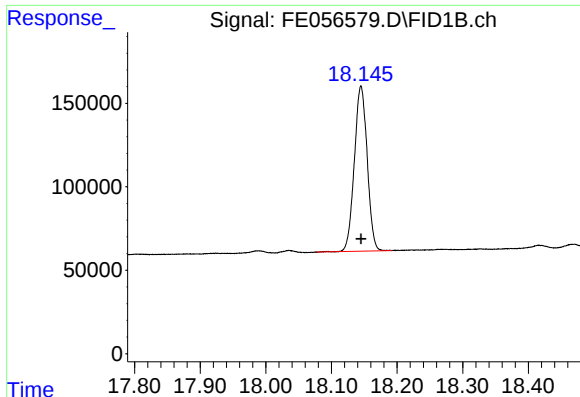
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

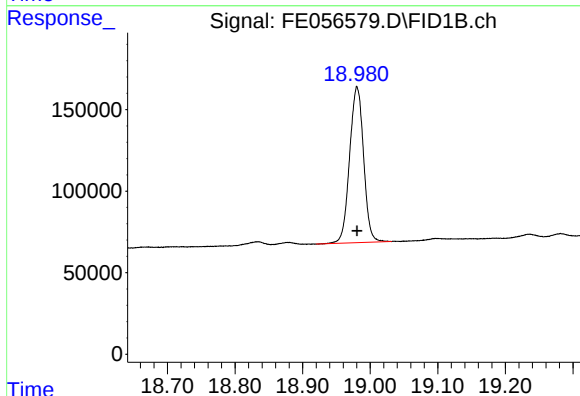
R.T.: 17.255 min
Delta R.T.: 0.000 min
Response: 1236772
Conc: 6.39 ug/ml



#17 n-Tricontane (C30)

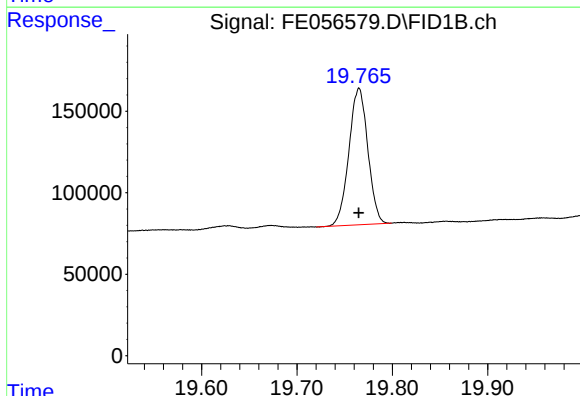
R.T.: 18.145 min
Delta R.T.: 0.000 min
Response: 1343777
Conc: 6.70 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



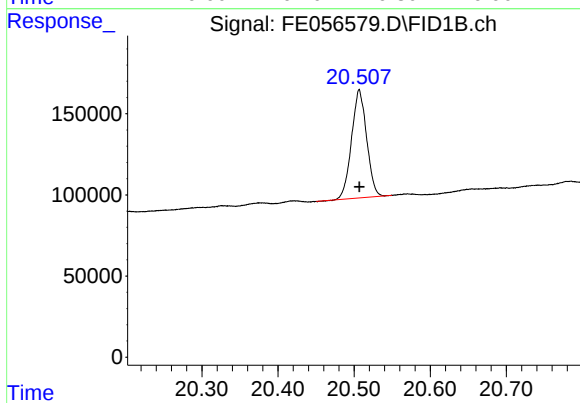
#18 n-Dotriacontane (C32)

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



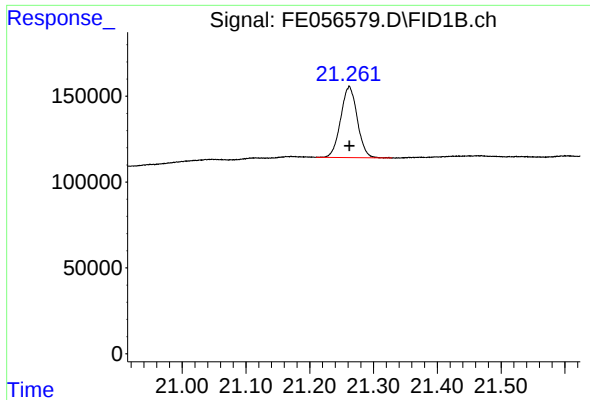
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

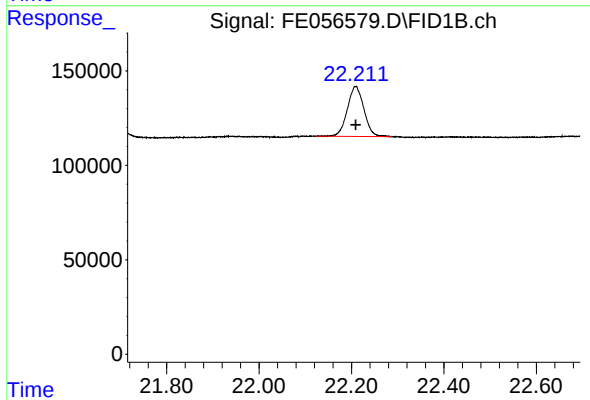
R.T.: 20.507 min
Delta R.T.: 0.000 min
Response: 919020
Conc: 6.35 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.333	3.303	3.377	BB	92471	897930	65.34%	4.024%
2	4.585	4.545	4.619	BBA	95384	917558	66.77%	4.112%
3	6.303	6.268	6.377	BB	88968	951651	69.25%	4.264%
4	6.757	6.700	6.800	BB	95428	919808	66.93%	4.122%
5	7.403	7.347	7.487	BB	80203	894288	65.08%	4.007%
6	8.592	8.540	8.642	BB	88772	925756	67.37%	4.148%
7	10.206	10.138	10.265	BB	89800	963615	70.12%	4.318%
8	11.654	11.588	11.710	BB	89973	1006643	73.25%	4.511%
9	11.979	11.920	12.035	BB	104613	1115676	81.19%	4.999%
10	12.969	12.905	13.018	BB	87940	1012155	73.65%	4.536%
11	13.417	13.363	13.465	BB	72050	853728	62.13%	3.826%
12	13.582	13.517	13.635	BB	85261	993871	72.32%	4.454%
13	14.171	14.145	14.218	VB	86814	1047683	76.24%	4.695%
14	15.277	15.187	15.330	BB	94557	1186109	86.31%	5.315%
15	16.302	16.243	16.357	BB	94717	1195552	87.00%	5.357%
16	17.255	17.200	17.299	BBA	95523	1236772	90.00%	5.542%
17	18.145	18.077	18.192	BB	99085	1343777	97.79%	6.022%
18	18.981	18.920	19.032	BB	95776	1374204	100.00%	6.158%
19	19.765	19.720	19.799	BBA	84124	1156477	84.16%	5.182%
20	20.507	20.450	20.549	BBA	66647	919020	66.88%	4.118%
21	21.262	21.210	21.328	BB	41776	747858	54.42%	3.351%
22	22.209	22.123	22.287	BB	26317	655889	47.73%	2.939%
Sum of corrected areas:							22316018	

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

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

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

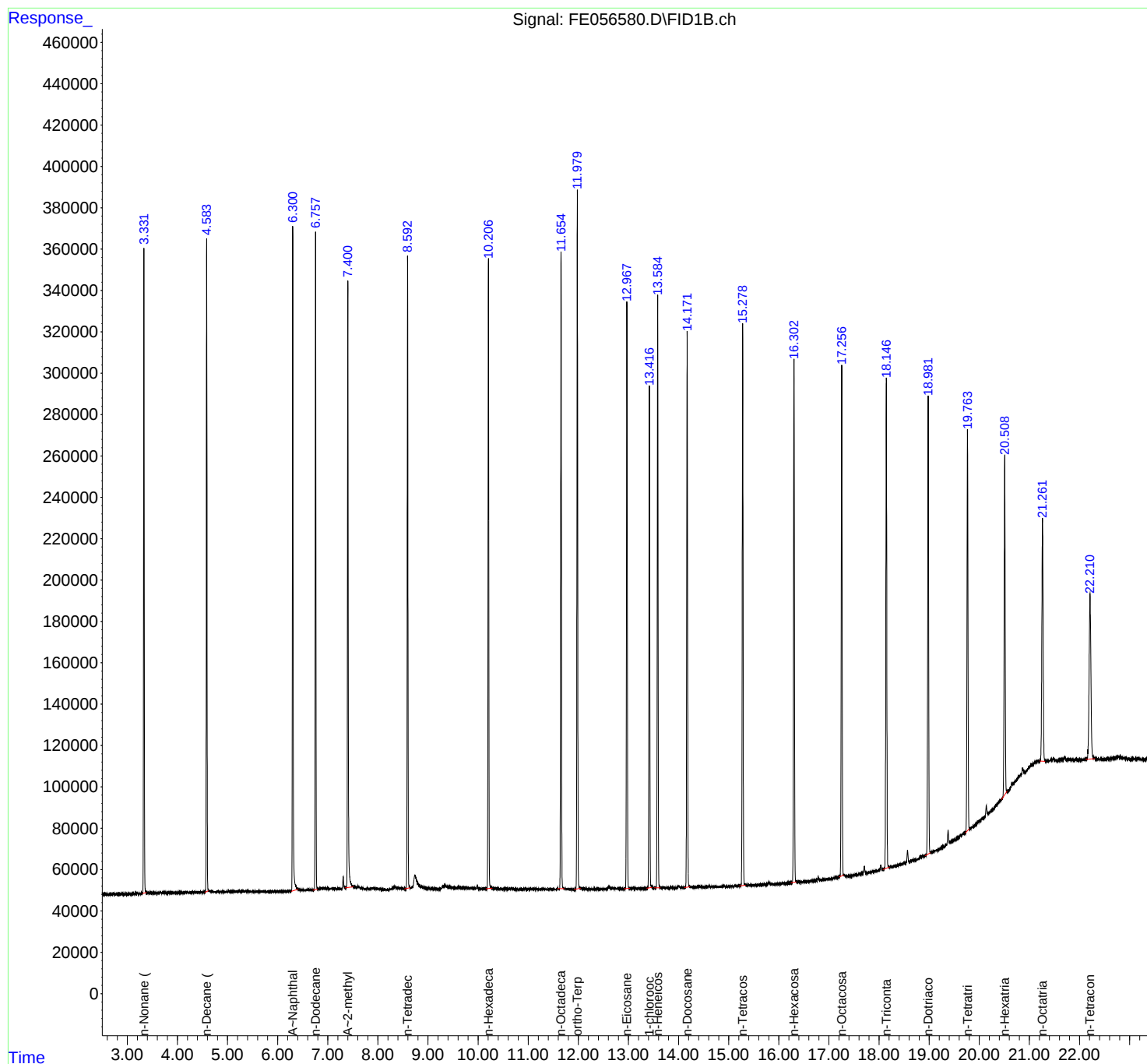
(m)=manual int.

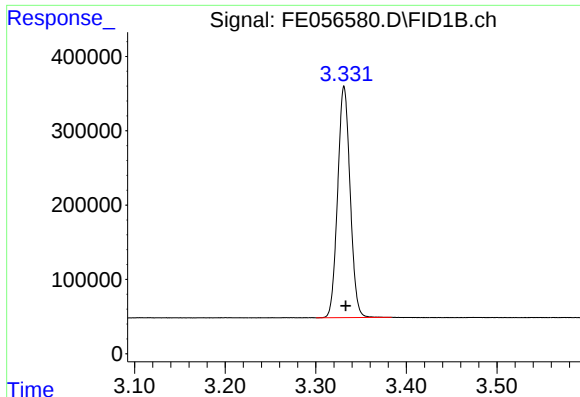
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103025AL\
Data File : FE056580.D
Signal(s) : FID1B.ch
Acq On : 30 Oct 2025 12:51
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

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

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





#1 n-Nonane (C9)

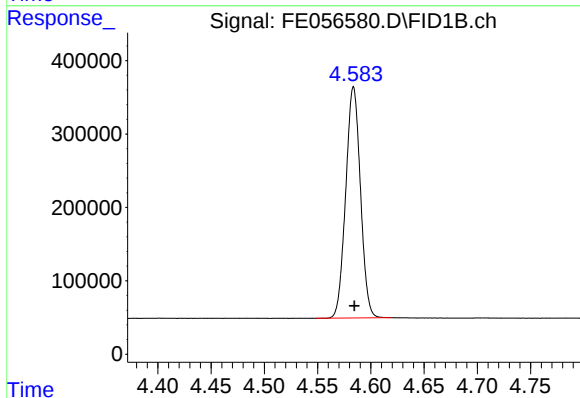
R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 2974720
Conc: 17.71 ug/ml

Instrument :

FID_E

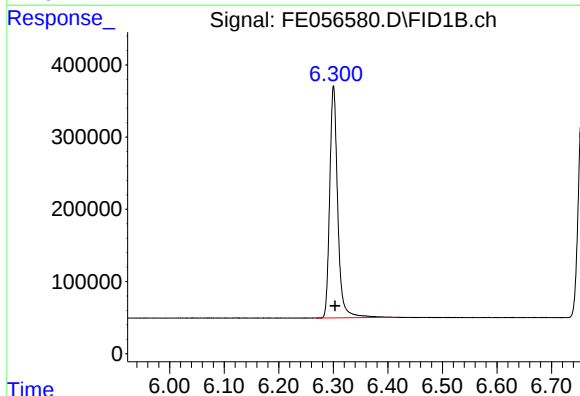
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



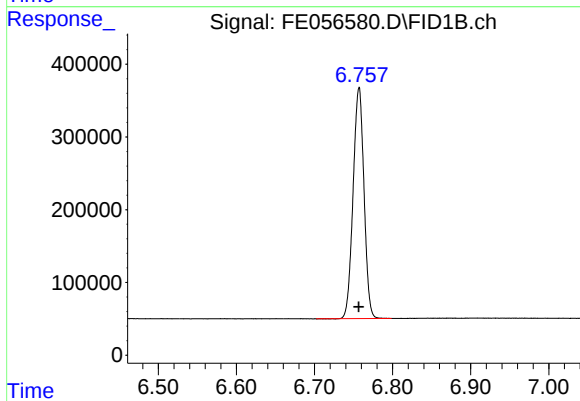
#2 n-Decane (C10)

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



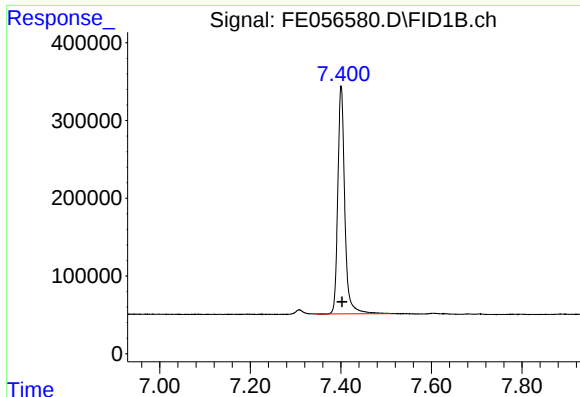
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

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



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

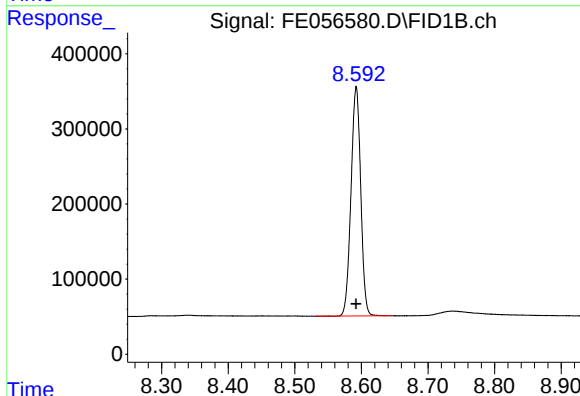
R.T.: 7.401 min
Delta R.T.: -0.002 min
Response: 3138399
Conc: 17.71 ug/ml

Instrument :

FID_E

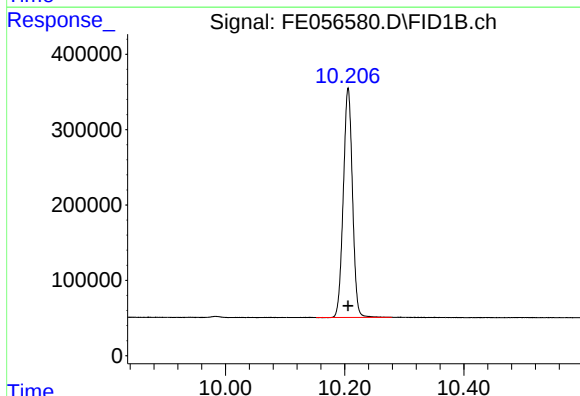
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



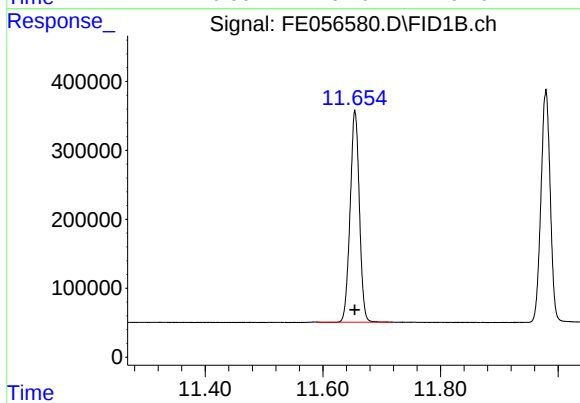
#6 n-Tetradecane (C14)

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



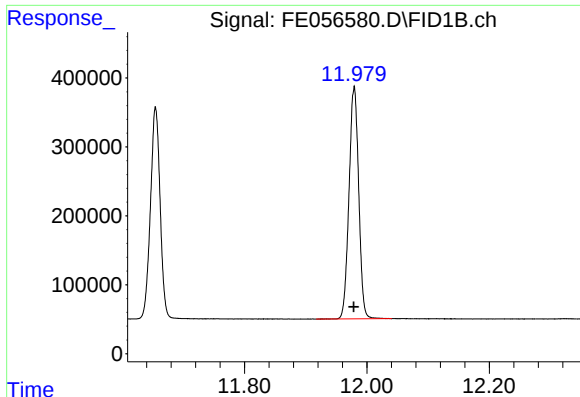
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

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



#9 ortho-Terphenyl (SURR)

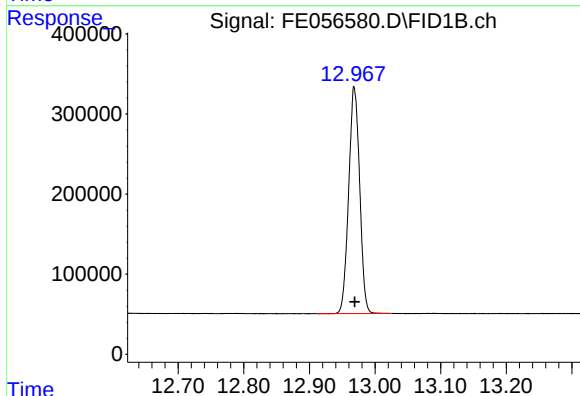
R.T.: 11.979 min
Delta R.T.: 0.000 min
Response: 3698663
Conc: 17.70 ug/ml

Instrument :

FID_E

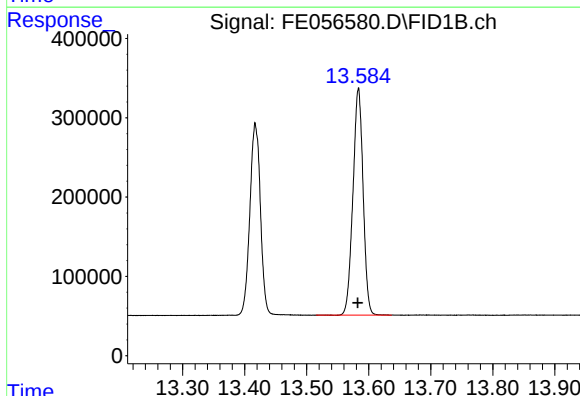
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



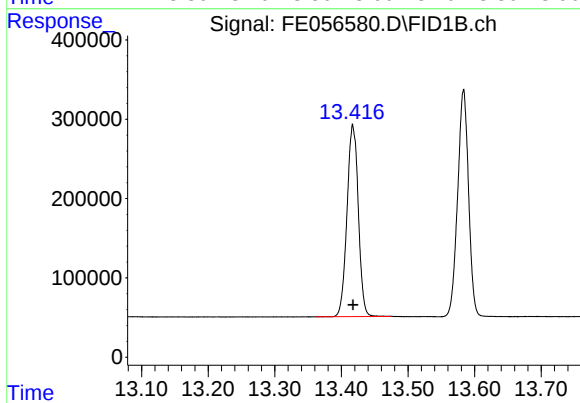
#10 n-Eicosane (C20)

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



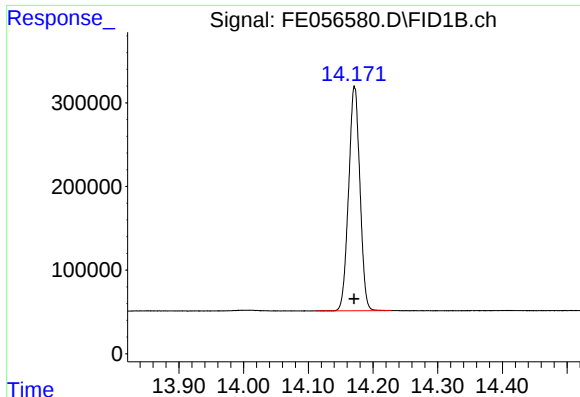
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

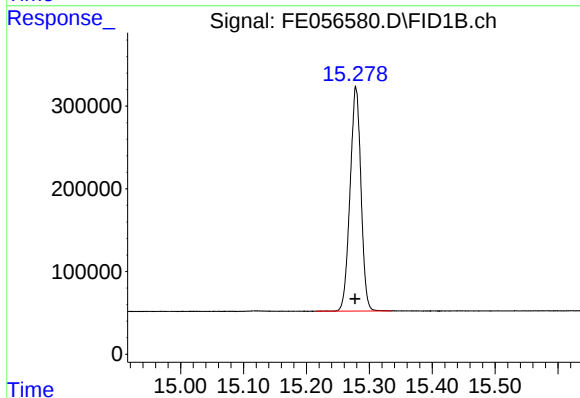
R.T.: 13.417 min
Delta R.T.: 0.000 min
Response: 2853138
Conc: 17.71 ug/ml



#13 n-Docosane (C22)

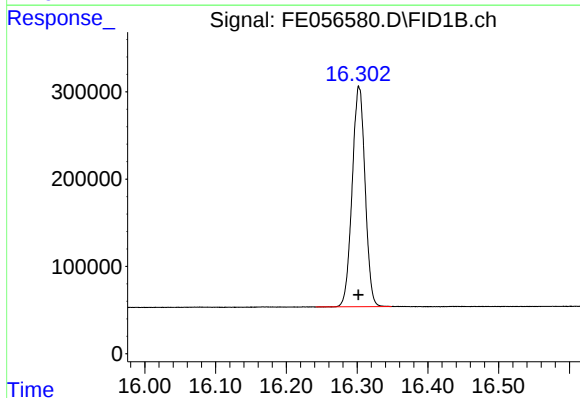
R.T.: 14.171 min
Delta R.T.: 0.000 min
Response: 3252345
Conc: 17.37 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



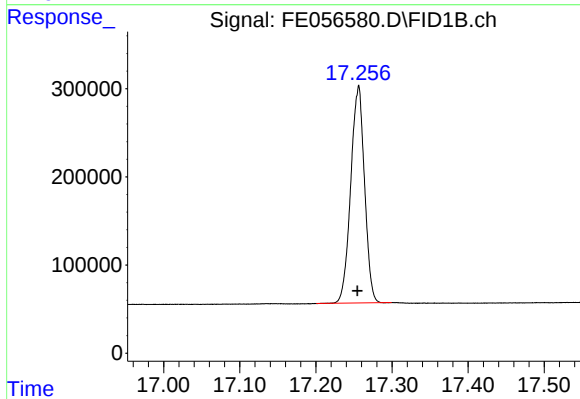
#14 n-Tetracosane (C24)

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



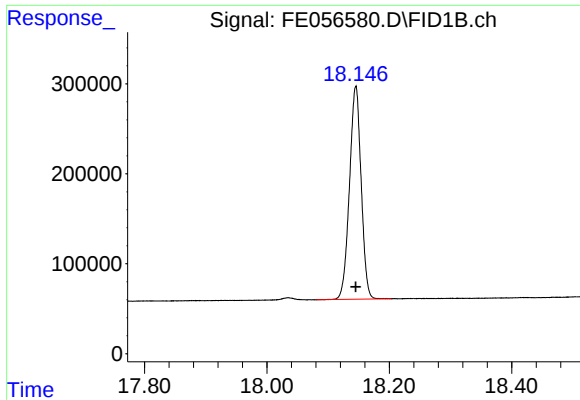
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

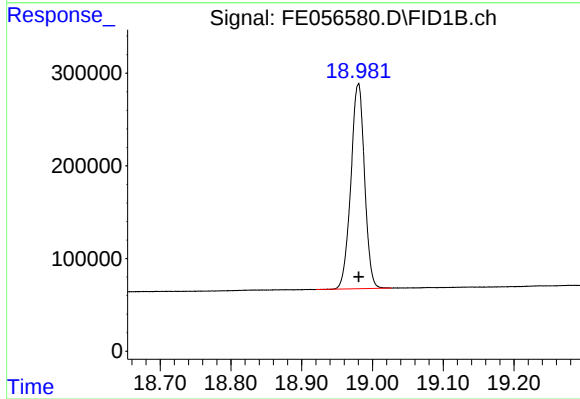
R.T.: 17.256 min
Delta R.T.: 0.001 min
Response: 3101810
Conc: 16.02 ug/ml



#17 n-Tricontane (C30)

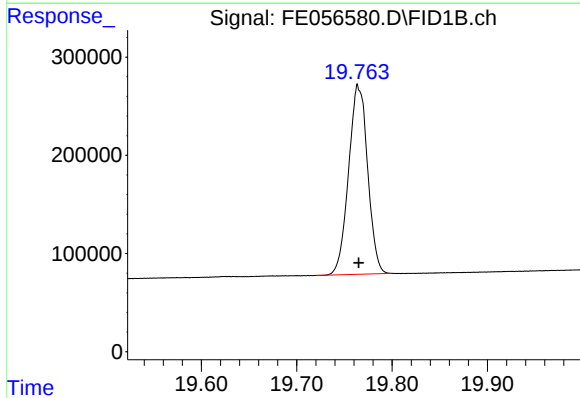
R.T.: 18.145 min
Delta R.T.: 0.000 min
Response: 3129479
Conc: 15.61 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



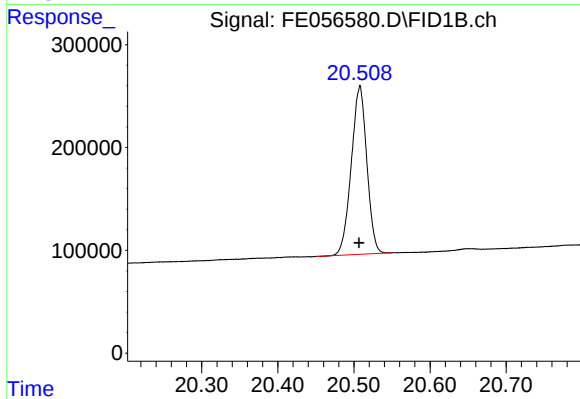
#18 n-Dotriacontane (C32)

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



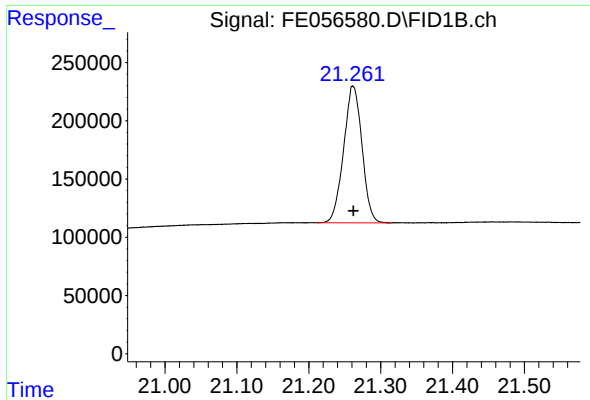
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

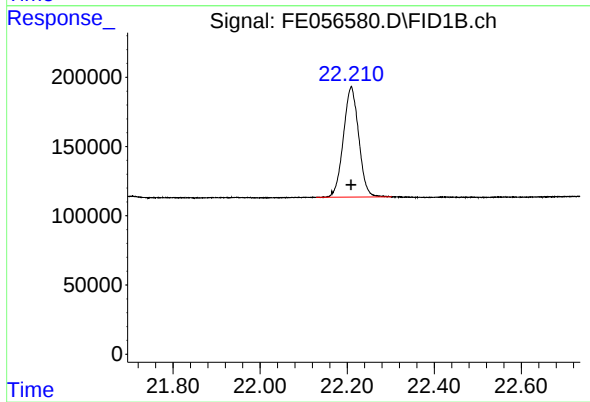
R.T.: 20.508 min
Delta R.T.: 0.000 min
Response: 2321116
Conc: 16.05 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.331	3.300	3.384	BB	310481	2974720	80.43%	4.491%
2	4.584	4.549	4.620	BBA	315244	3032863	82.00%	4.579%
3	6.301	6.269	6.407	BB	321401	3268504	88.37%	4.935%
4	6.757	6.702	6.799	BB	318158	3080927	83.30%	4.652%
5	7.401	7.345	7.512	BB	293420	3138399	84.85%	4.738%
6	8.592	8.532	8.645	BB	305141	3087511	83.48%	4.662%
7	10.206	10.152	10.279	BB	304154	3246411	87.77%	4.901%
8	11.655	11.589	11.717	BB	305409	3352800	90.65%	5.062%
9	11.979	11.917	12.040	BB	334249	3698663	100.00%	5.584%
10	12.969	12.910	13.025	BB	280820	3290342	88.96%	4.968%
11	13.417	13.362	13.475	BB	241413	2853138	77.14%	4.308%
12	13.583	13.515	13.637	BB	286535	3256292	88.04%	4.916%
13	14.171	14.112	14.229	BB	266967	3252345	87.93%	4.910%
14	15.279	15.215	15.335	BB	270242	3265557	88.29%	4.930%
15	16.303	16.242	16.349	BB	253168	3203978	86.63%	4.837%
16	17.256	17.200	17.300	BBA	243564	3101810	83.86%	4.683%
17	18.145	18.080	18.204	BB	236990	3129479	84.61%	4.725%
18	18.980	18.920	19.027	BB	221501	2966227	80.20%	4.478%
19	19.765	19.720	19.800	BBA	187610	2678828	72.43%	4.044%
20	20.508	20.450	20.550	BBA	162660	2321116	62.76%	3.504%
21	21.262	21.210	21.315	BB	117144	2080984	56.26%	3.142%
22	22.209	22.129	22.302	BB	79731	1952947	52.80%	2.949%
Sum of corrected areas:							66233841	

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

Continuing Calibration Report for SequenceID : FE111725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE056867.D

Aliphatic C9-C12	10349661.000	60.000	3.213	6.836	172494.350	171162.641	-0.778
Aliphatic C12-C16	7040992.000	40.000	6.837	10.281	176024.800	178754.319	1.527
Aliphatic C16-C21	10352194.000	60.000	10.282	13.655	172536.567	186505.496	7.490
Aliphatic C21-C28	12779054.000	80.000	13.656	17.323	159738.175	192766.144	17.134
Aliphatic C28-C40	17024804.000	120.000	17.324	22.257	141873.367	159314.647	10.948
Aliphatic EPH	57546705.000	360.000	3.213	22.257	159851.958	175414.751	8.872

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	17 Nov 2025 12:46
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056867.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.213	6.836	10349661.000	60.000	ug/ml
Aliphatic C12-C16	6.837	10.281	7040992.000	40.000	ug/ml
Aliphatic C16-C21	10.282	13.655	10352194.000	60.000	ug/ml
Aliphatic C21-C28	13.656	17.323	12779054.000	80.000	ug/ml
Aliphatic C28-C40	17.324	22.257	17024804.000	120.000	ug/ml
Aliphatic EPH	3.213	22.257	57546705.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
 Data File : FE056867.D
 Signal(s) : FID1B.ch
 Acq On : 17 Nov 2025 12:46
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: sample.E
 Quant Time: Nov 18 11:33:47 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)	11.951	3847894	18.419 ug/ml
Spiked Amount 50.000		Recovery =	36.84%
12) S 1-chlorooctadecane (S...	13.389	2890400	17.940 ug/ml
Spiked Amount 50.000		Recovery =	35.88%
Target Compounds			
1) T n-Nonane (C9)	3.313	3384244	20.149 ug/ml
2) T n-Decane (C10)	4.565	3447194	20.089 ug/ml
3) T A~Naphthalene (C11.7)	6.279	3528758	19.117 ug/ml
4) T n-Dodecane (C12)	6.736	3518223	20.228 ug/ml
5) T A~2-methylnaphthalene...	7.378	3312742	18.693 ug/ml
6) T n-Tetradecane (C14)	8.568	3480115	19.937 ug/ml
7) T n-Hexadecane (C16)	10.181	3560877	19.463 ug/ml
8) T n-Octadecane (C18)	11.628	3593129	18.984 ug/ml
10) T n-Eicosane (C20)	12.941	3415645	18.328 ug/ml
11) T n-Heneicosane (C21)	13.555	3343420	18.182 ug/ml
13) T n-Docosane (C22)	14.143	3288899	17.569 ug/ml
14) T n-Tetracosane (C24)	15.248	3227345	16.477 ug/ml
15) T n-Hexacosane (C26)	16.271	3148191	16.200 ug/ml
16) T n-Octacosane (C28)	17.223	3114619	16.083 ug/ml
17) T n-Tricontane (C30)	18.114	3205983	15.990 ug/ml
18) T n-Dotriacontane (C32)	18.948	3136150	15.948 ug/ml
19) T n-Tetratriacontane (C34)	19.733	2940487	17.035 ug/ml
20) T n-Hexatriacontane (C36)	20.475	2681870	18.540 ug/ml
21) T n-Octatriacontane (C38)	21.224	2519990	20.022 ug/ml
22) T n-Tetracontane (C40)	22.157	2540324	21.972 ug/ml

(f)=RT Delta > 1/2 Window

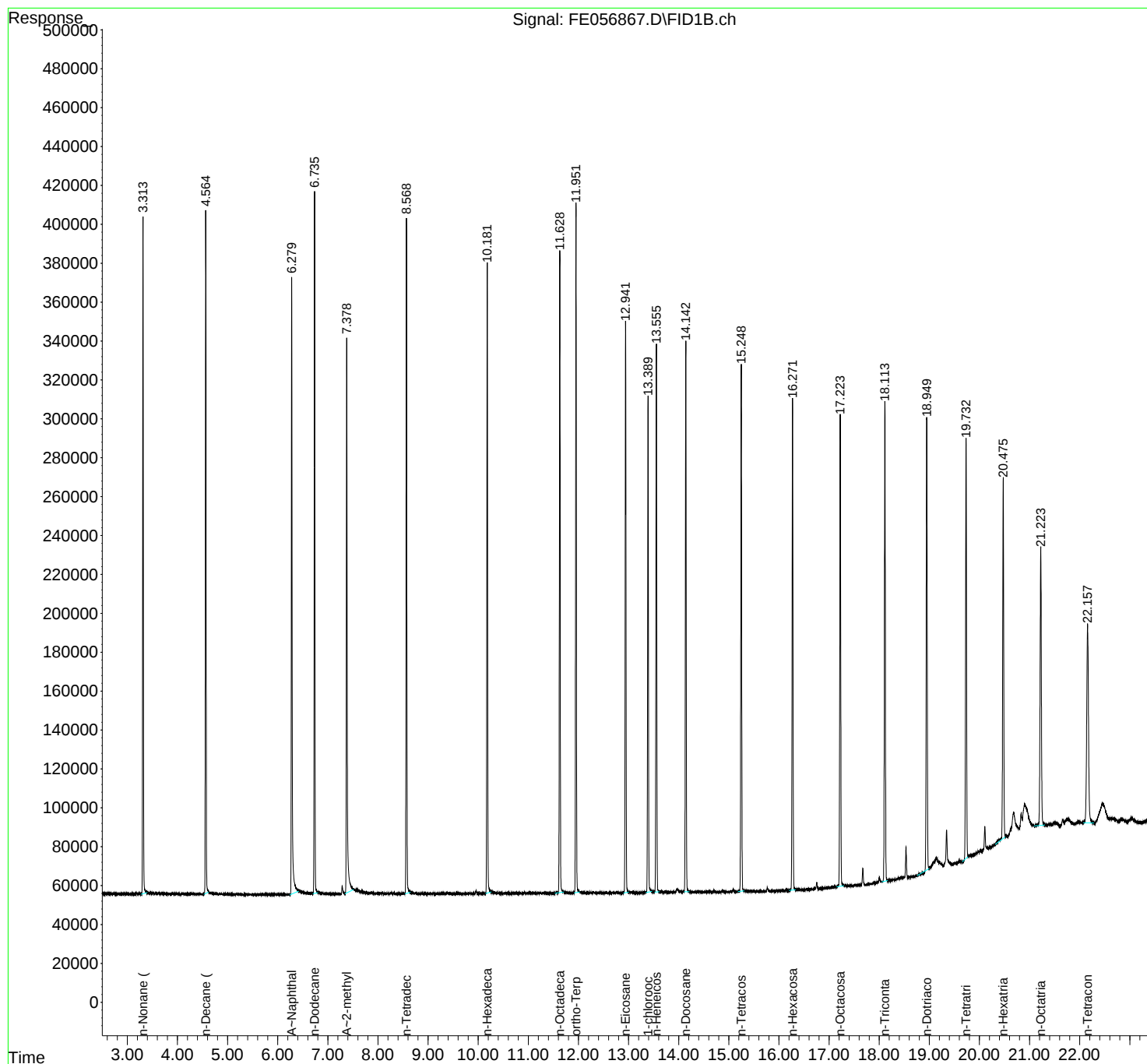
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056867.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 12:46
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: sample.E
Quant Time: Nov 18 11:33:47 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\FE111725AL\
 Data File : FE056867.D
 Signal(s) : FID1B.ch
 Acq On : 17 Nov 2025 12:46
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.313	3.277	3.392	BB	348626	3384244	87.95%	4.758%
2	4.565	4.533	4.619	BBA	350960	3447194	89.59%	4.847%
3	6.279	6.243	6.417	BB	316431	3528758	91.71%	4.961%
4	6.736	6.703	6.805	BB	361108	3518223	91.43%	4.946%
5	7.378	7.343	7.515	BB	286734	3312742	86.09%	4.658%
6	8.568	8.535	8.648	BB	347046	3480115	90.44%	4.893%
7	10.181	10.145	10.260	BB	323119	3560877	92.54%	5.006%
8	11.628	11.533	11.705	BB	329134	3593129	93.38%	5.052%
9	11.951	11.915	12.027	BB	355554	3847894	100.00%	5.410%
10	12.941	12.902	13.005	BB	292989	3415645	88.77%	4.802%
11	13.389	13.348	13.463	BB	252974	2890400	75.12%	4.064%
12	13.555	13.517	13.617	BB	281915	3343420	86.89%	4.701%
13	14.143	14.105	14.210	BB	282563	3288899	85.47%	4.624%
14	15.248	15.180	15.307	BB	271033	3227345	83.87%	4.537%
15	16.271	16.205	16.333	BB	252423	3148191	81.82%	4.426%
16	17.223	17.152	17.295	BB	241655	3114619	80.94%	4.379%
17	18.114	18.050	18.168	BB	246665	3205983	83.32%	4.507%
18	18.948	18.755	19.002	BB	232295	3136150	81.50%	4.409%
19	19.733	19.657	19.773	BB	214683	2940487	76.42%	4.134%
20	20.475	20.320	20.518	BB	185453	2681870	69.70%	3.771%
21	21.224	21.092	21.300	BB	141416	2519990	65.49%	3.543%
22	22.157	22.075	22.282	BB	102362	2540324	66.02%	3.572%
Sum of corrected areas:							71126500	

Aliphatic EPH 103025.M Tue Nov 18 11:40:46 2025

Continuing Calibration Report for SequenceID : FE111725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE056888.D

Aliphatic C9-C12	10294596.000	60.000	3.213	6.836	171576.600	171162.641	-0.242
Aliphatic C12-C16	6975467.000	40.000	6.837	10.281	174386.675	178754.319	2.443
Aliphatic C16-C21	10135038.000	60.000	10.282	13.655	168917.300	186505.496	9.430
Aliphatic C21-C28	12593120.000	80.000	13.656	17.323	157414.000	192766.144	18.339
Aliphatic C28-C40	17562142.000	120.000	17.324	22.257	146351.183	159314.647	8.137
Aliphatic EPH	57560363.000	360.000	3.213	22.257	159889.897	175414.751	8.850

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	18 Nov 2025 00:12
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056888.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.213	6.836	10294596.000	60.000	ug/ml
Aliphatic C12-C16	6.837	10.281	6975467.000	40.000	ug/ml
Aliphatic C16-C21	10.282	13.655	10135038.000	60.000	ug/ml
Aliphatic C21-C28	13.656	17.323	12593120.000	80.000	ug/ml
Aliphatic C28-C40	17.324	22.257	17562142.000	120.000	ug/ml
Aliphatic EPH	3.213	22.257	57560363.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
 Data File : FE056888.D
 Signal(s) : FID1B.ch
 Acq On : 18 Nov 2025 00:12
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: sample.E
 Quant Time: Nov 18 11:49:55 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)	11.949	3777753	18.083 ug/ml
Spiked Amount 50.000		Recovery =	36.17%
12) S 1-chlorooctadecane (S...	13.387	2845297	17.660 ug/ml
Spiked Amount 50.000		Recovery =	35.32%
Target Compounds			
1) T n-Nonane (C9)	3.311	3353846	19.968 ug/ml
2) T n-Decane (C10)	4.563	3431175	19.996 ug/ml
3) T A~Naphthalene (C11.7)	6.278	3510098	19.016 ug/ml
4) T n-Dodecane (C12)	6.735	3509575	20.178 ug/ml
5) T A~2-methylnaphthalene...	7.377	3307527	18.663 ug/ml
6) T n-Tetradecane (C14)	8.568	3454244	19.789 ug/ml
7) T n-Hexadecane (C16)	10.179	3521223	19.246 ug/ml
8) T n-Octadecane (C18)	11.626	3529273	18.647 ug/ml
10) T n-Eicosane (C20)	12.939	3349794	17.975 ug/ml
11) T n-Heneicosane (C21)	13.553	3255971	17.707 ug/ml
13) T n-Docosane (C22)	14.140	3225723	17.231 ug/ml
14) T n-Tetracosane (C24)	15.246	3171071	16.190 ug/ml
15) T n-Hexacosane (C26)	16.270	3106718	15.986 ug/ml
16) T n-Octacosane (C28)	17.222	3089608	15.954 ug/ml
17) T n-Tricontane (C30)	18.111	3209156	16.006 ug/ml
18) T n-Dotriacontane (C32)	18.946	3187700	16.210 ug/ml
19) T n-Tetratriacontane (C34)	19.731	3017734	17.483 ug/ml
20) T n-Hexatriacontane (C36)	20.472	2726578	18.849 ug/ml
21) T n-Octatriacontane (C38)	21.220	2662257	21.152 ug/ml
22) T n-Tetracontane (C40)	22.155	2758717	23.861 ug/ml

(f)=RT Delta > 1/2 Window

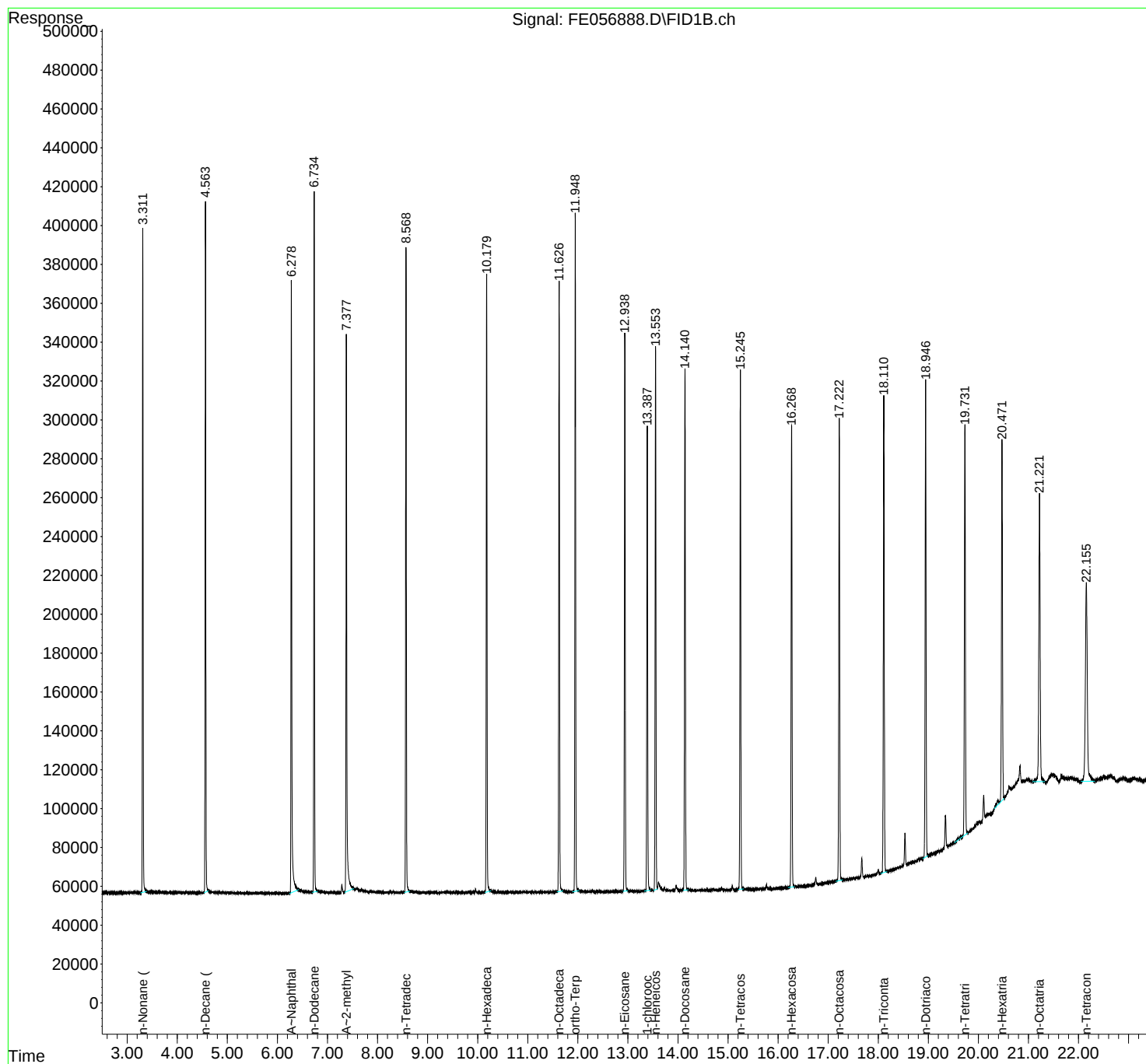
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056888.D
Signal(s) : FID1B.ch
Acq On : 18 Nov 2025 00:12
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: sample.E
Quant Time: Nov 18 11:49:55 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\FE111725AL\
 Data File : FE056888.D
 Signal(s) : FID1B.ch
 Acq On : 18 Nov 2025 00:12
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.311	3.270	3.387	BB	340808	3353846	88.78%	4.722%
2	4.563	4.530	4.642	BB	355854	3449092	91.30%	4.857%
3	6.278	6.242	6.420	BB	314191	3510098	92.91%	4.942%
4	6.735	6.694	6.804	BB	362157	3509575	92.90%	4.942%
5	7.377	7.342	7.524	BB	286767	3307527	87.55%	4.657%
6	8.568	8.534	8.647	BB	330601	3454244	91.44%	4.864%
7	10.179	10.145	10.262	BB	317681	3521223	93.21%	4.958%
8	11.626	11.585	11.702	BB	315193	3529273	93.42%	4.969%
9	11.949	11.890	12.022	BB	349182	3777753	100.00%	5.319%
10	12.939	12.900	13.002	BB	287626	3349794	88.67%	4.717%
11	13.387	13.325	13.460	BB	239417	2845297	75.32%	4.006%
12	13.553	13.515	13.592	BV	280000	3255971	86.19%	4.585%
13	14.140	14.105	14.204	BB	267167	3225723	85.39%	4.542%
14	15.246	15.209	15.307	BB	264136	3171071	83.94%	4.465%
15	16.270	16.202	16.330	BB	237648	3106718	82.24%	4.374%
16	17.222	17.152	17.290	BB	237679	3089608	81.78%	4.350%
17	18.111	18.045	18.172	BB	244070	3209156	84.95%	4.519%
18	18.946	18.890	18.994	BB	245285	3187700	84.38%	4.489%
19	19.731	19.529	19.792	BB	210322	3017734	79.88%	4.249%
20	20.472	20.320	20.515	BV	184682	2726578	72.17%	3.839%
21	21.220	21.079	21.324	BB	147857	2662257	70.47%	3.749%
22	22.155	22.050	22.324	BB	102221	2758717	73.03%	3.884%
Sum of corrected areas:							71018958	

Aliphatic EPH 103025.M Tue Nov 18 12:36:02 2025



QC SAMPLE DATA

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170578BL	SDG No.:	Q3649
Lab Sample ID:	PB170578BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :			
	Final Vol: 2000 uL		
	Prep Date : 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FE056870.D	11/17/25 14:39	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	FE056870.D	11/17/25 14:39	PB170578
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	5.99	mg/kg			
Total EPH	Total EPH	2.09	U		2.09	5.99	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	HDR, Inc.		Date Collected:	
Project:	PVWC Linear Construction		Date Received:	
Client Sample ID:	PB170578BL		SDG No.:	Q3649
Lab Sample ID:	PB170578BL		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL	Test:
Prep Method :		Prep Date	11/17/25	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	11/17/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	31.3			40 - 140	63%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	38.4			40 - 140	77%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170578BL	Acq On:	17 Nov 2025 14:39
Client Sample ID:	PB170578BL	Operator:	YP\AJ
Data file:	FE056870.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	0	0	300	ug/ml
Aliphatic C12-C16	6.837	10.281	0	0	200	ug/ml
Aliphatic C16-C21	10.282	13.655	0	0	300	ug/ml
Aliphatic C21-C28	13.656	17.323	0	0	400	ug/ml
Aliphatic C28-C40	17.324	22.257	0	0	600	ug/ml
Aliphatic EPH	3.213	22.257	0	0		ug/ml
ortho-Terphenyl (SURR)	11.954	11.954	8019541	38.39		ug/ml
1-chlorooctadecane (SURR)	13.390	13.390	5040365	31.28		ug/ml
Aliphatic C9-C28	3.213	17.323	0	0	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056870.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 14:39
Operator : YP\AJ
Sample : PB170578BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170578BL

Integration File: sample.E
Quant Time: Nov 18 12:26:03 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)	11.954	8019541	38.387 ug/ml
Spiked Amount 50.000		Recovery =	76.77%
12) S 1-chlorooctadecane (S...	13.390	5040365	31.284 ug/ml
Spiked Amount 50.000		Recovery =	62.57%

Target Compounds

(f)=RT Delta > 1/2 Window

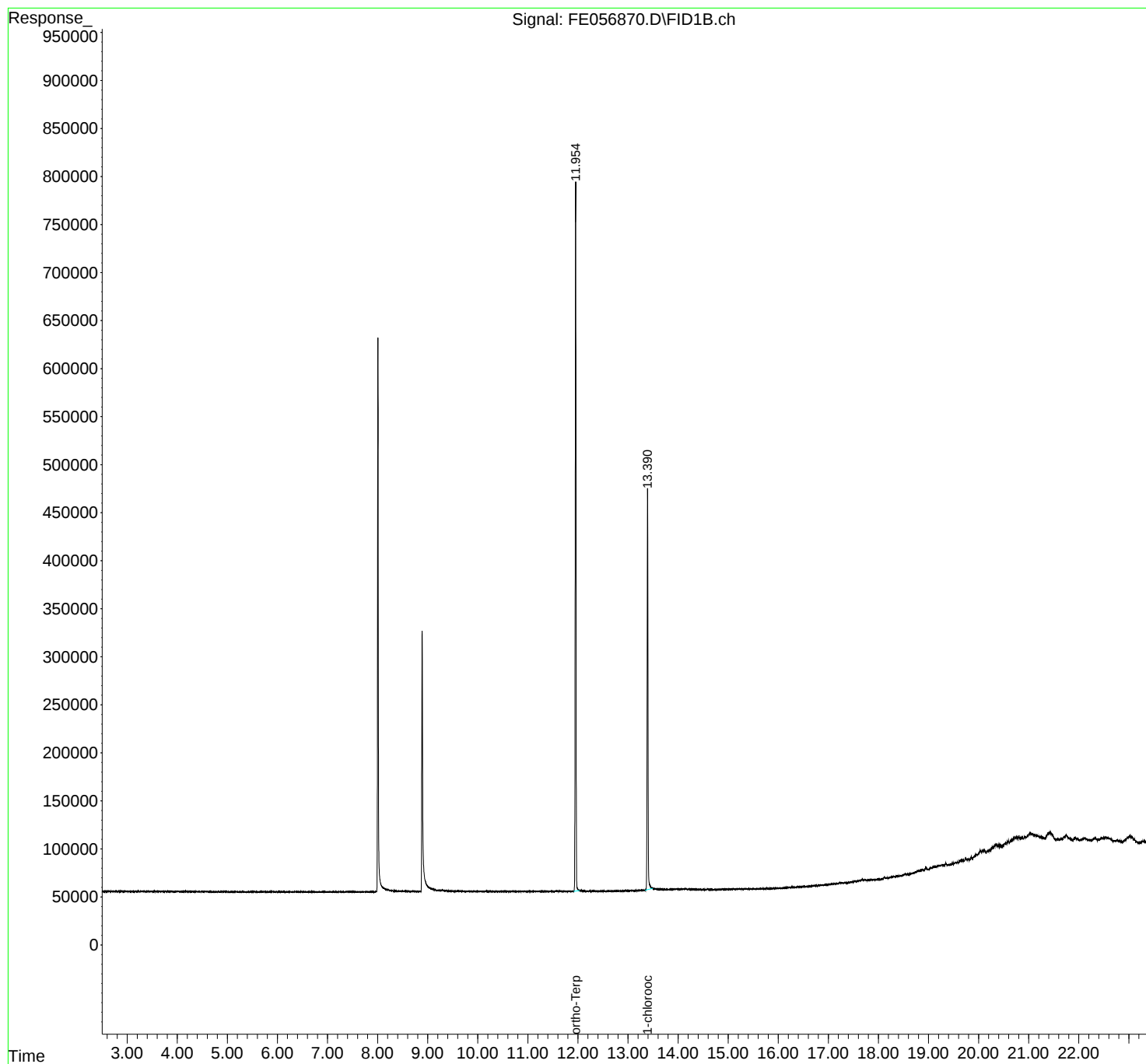
(m)=manual int.

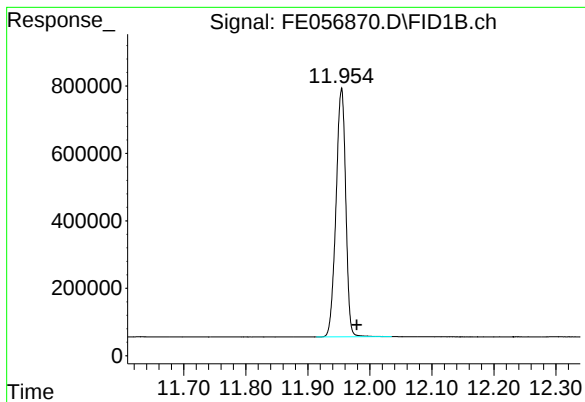
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056870.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 14:39
Operator : YP\AJ
Sample : PB170578BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170578BL

Integration File: sample.E
Quant Time: Nov 18 12:26:03 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

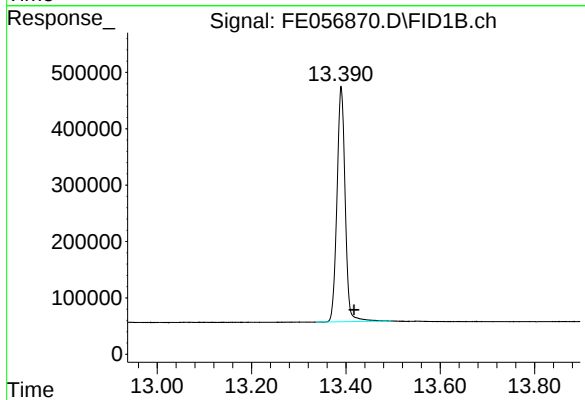




#9 ortho-Terphenyl (SURR)

R.T.: 11.954 min
Delta R.T.: -0.025 min
Response: 8019541
Conc: 38.39 ug/ml

Instrument :
FID_E
ClientSampleId :
PB170578BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.390 min
Delta R.T.: -0.027 min
Response: 5040365
Conc: 31.28 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056870.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 14:39
Sample : PB170578BL
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	11.954	11.914	12.035	BB	732364	8019541	100.00%	61.406%
2	13.390	13.337	13.497	BB	416734	5040365	62.85%	38.594%
Sum of corrected areas:							13059906	

Aliphatic EPH 103025.M Tue Nov 18 12:36:30 2025

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170578BS	SDG No.:	Q3649
Lab Sample ID:	PB170578BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/17/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	20.5		1	1.18	2.00	mg/kg	FE056871.D	11/17/25 15:09	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	61.8		1	0.91	3.99	mg/kg	FE056871.D	11/17/25 15:09	PB170578
Total AliphaticEPH	Total AliphaticEPH	82.3			2.09	5.99	mg/kg			
Total EPH	Total EPH	82.3			2.09	5.99	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170578BS	SDG No.:	Q3649
Lab Sample ID:	PB170578BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL
Prep Method :		Prep Date	11/17/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	61.8	1		0.91	3.99	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	20.5	1		1.18	2.00	mg/kg	11/17/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.3			40 - 140	53%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.3			40 - 140	61%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170578BS	Acq On:	17 Nov 2025 15:09
Client Sample ID:	PB170578BS	Operator:	YP\AJ
Data file:	FE056871.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	30137018	176.072	300	ug/ml
Aliphatic C12-C16	6.837	10.281	46272276	258.86	200	ug/ml
Aliphatic C16-C21	10.282	13.655	41909530	224.709	300	ug/ml
Aliphatic C21-C28	13.656	17.323	51880458	269.137	400	ug/ml
Aliphatic C28-C40	17.324	22.257	49033864	307.78	600	ug/ml
Aliphatic EPH	3.213	22.257	219233146	1240		ug/ml
ortho-Terphenyl (SURR)	11.951	11.951	6328404	30.29		ug/ml
1-chlorooctadecane (SURR)	13.388	13.388	4243187	26.34		ug/ml
Aliphatic C9-C28	3.213	17.323	170199282	928.778	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
 Data File : FE056871.D
 Signal(s) : FID1B.ch
 Acq On : 17 Nov 2025 15:09
 Operator : YP\AJ
 Sample : PB170578BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB170578BS

Integration File: sample.E
 Quant Time: Nov 18 12:26:19 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)	11.951	6328404	30.292 ug/ml
Spiked Amount 50.000		Recovery =	60.58%
12) S 1-chlorooctadecane (S...	13.388	4243187	26.336 ug/ml
Spiked Amount 50.000		Recovery =	52.67%
Target Compounds			
1) T n-Nonane (C9)	3.319	5356610	31.892 ug/ml
2) T n-Decane (C10)	4.568	5567960	32.448 ug/ml
3) T A~Naphthalene (C11.7)	6.280	6629848	35.918 ug/ml
4) T n-Dodecane (C12)	6.736	5849954	33.634 ug/ml
5) T A~2-methylnaphthalene...	7.378	5940493	33.520 ug/ml
6) T n-Tetradecane (C14)	8.570	5925860	33.949 ug/ml
7) T n-Hexadecane (C16)	10.181	5816923	31.794 ug/ml
8) T n-Octadecane (C18)	11.628	5776552	30.520 ug/ml
10) T n-Eicosane (C20)	12.941	5739295	30.796 ug/ml
11) T n-Heneicosane (C21)	13.554	5618913	30.557 ug/ml
13) T n-Docosane (C22)	14.142	5545586	29.624 ug/ml
14) T n-Tetracosane (C24)	15.249	11952269	61.023 ug/ml
15) T n-Hexacosane (C26)	16.274	5344960	27.503 ug/ml
16) T n-Octacosane (C28)	17.223	5501868	28.410 ug/ml
17) T n-Tricontane (C30)	18.116	5081523	25.345 ug/ml
18) T n-Dotriacontane (C32)	18.948	5016056	25.508 ug/ml
19) T n-Tetratriacontane (C34)	19.733	4958011	28.724 ug/ml
20) T n-Hexatriacontane (C36)	20.474	4844591	33.490 ug/ml
21) T n-Octatriacontane (C38)	21.223	4917371	39.070 ug/ml
22) T n-Tetracontane (C40)	22.158	4964374	42.939 ug/ml

(f)=RT Delta > 1/2 Window

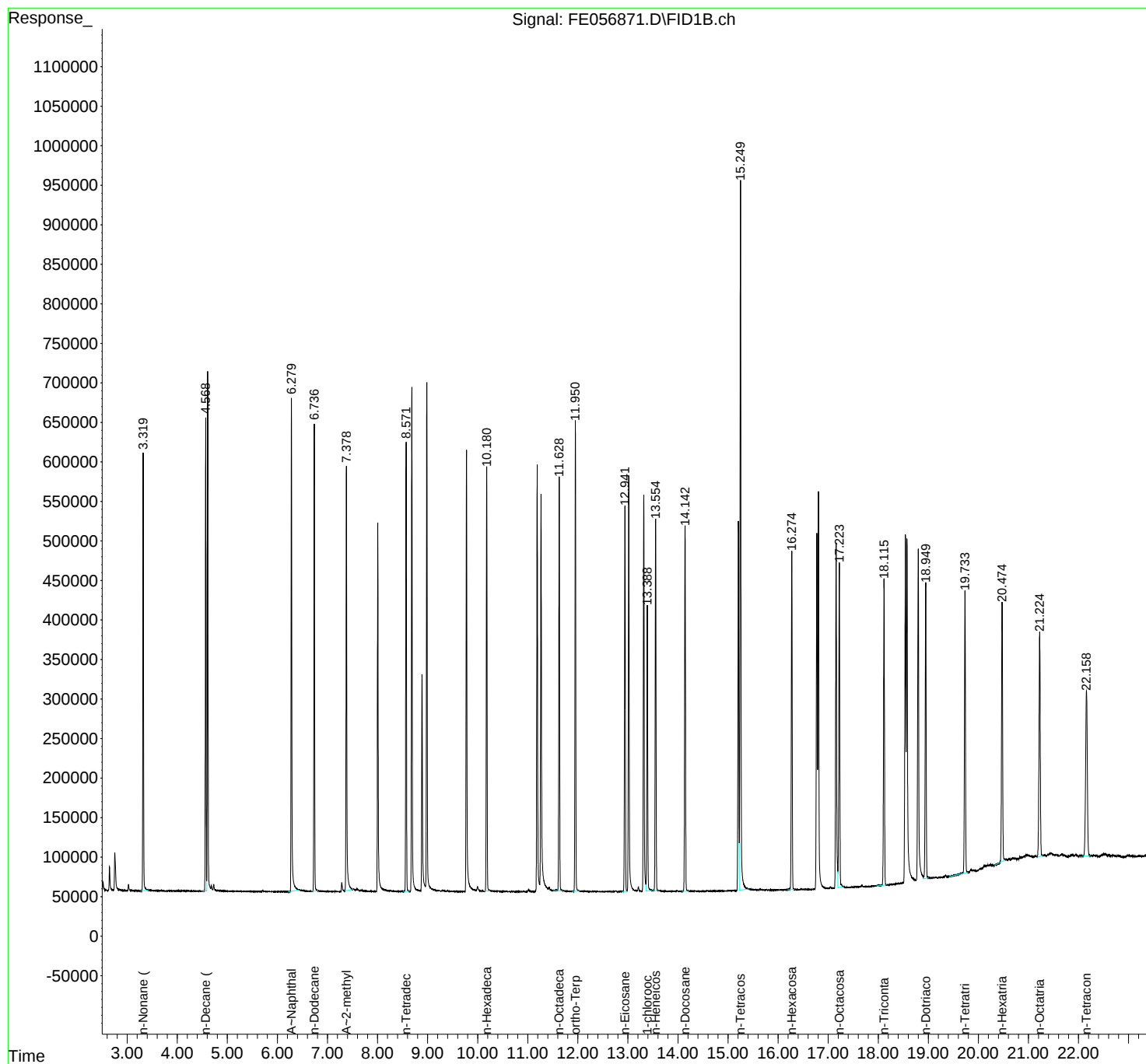
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056871.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 15:09
Operator : YP\AJ
Sample : PB170578BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170578BS

Integration File: sample.E
Quant Time: Nov 18 12:26:19 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\FE111725AL\
Data File : FE056871.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 15:09
Sample : PB170578BS
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	2.646	2.602	2.719	BB	29599	350516	2.93%	0.152%
2	2.753	2.720	2.850	BB	46612	761136	6.37%	0.329%
3	3.026	2.975	3.074	BB	7477	84691	0.71%	0.037%
4	3.319	3.262	3.422	BB	552604	5356610	44.82%	2.319%
5	4.568	4.504	4.587	BV	600400	5567960	46.58%	2.410%
6	4.607	4.587	4.665	VV	656133	6634509	55.51%	2.872%
7	4.729	4.709	4.774	VB	7815	98137	0.82%	0.042%
8	6.280	6.222	6.435	BB	620988	6629848	55.47%	2.870%
9	6.736	6.677	6.815	BB	592041	5849954	48.94%	2.532%
10	7.286	7.232	7.339	BB	10894	136178	1.14%	0.059%
11	7.378	7.339	7.505	BV	537844	5940493	49.70%	2.572%
12	8.005	7.952	8.155	BB	468603	5059231	42.33%	2.190%
13	8.571	8.515	8.637	BB	567453	5925860	49.58%	2.565%
14	8.685	8.642	8.814	BB	640914	6767936	56.62%	2.930%
15	8.888	8.827	8.955	BV	272502	3169456	26.52%	1.372%
16	8.984	8.955	9.127	VB	641917	6864387	57.43%	2.972%
17	9.777	9.724	9.945	BB	559612	6591812	55.15%	2.854%
18	10.181	10.125	10.250	BB	536179	5816923	48.67%	2.518%
19	11.189	11.114	11.239	BV	539041	6143239	51.40%	2.659%
20	11.265	11.239	11.410	VV	501175	6328299	52.95%	2.740%
21	11.628	11.509	11.700	BB	524918	5776552	48.33%	2.501%
22	11.951	11.887	12.027	BB	593453	6328404	52.95%	2.740%
23	12.941	12.880	12.984	BV	489354	5739295	48.02%	2.485%
24	13.018	12.984	13.162	VB	522019	6197038	51.85%	2.683%
25	13.318	13.255	13.360	BV	501899	6106194	51.09%	2.643%
26	13.388	13.360	13.482	VB	361388	4243187	35.50%	1.837%
27	13.554	13.495	13.615	BB	469576	5618913	47.01%	2.432%
28	14.142	14.085	14.217	BB	461700	5545586	46.40%	2.401%
29	15.207	15.147	15.225	BV	464133	5597258	46.83%	2.423%
30	15.249	15.225	15.415	VB	897639	11952269	100.00%	5.174%
31	16.274	16.189	16.327	BB	427783	5344960	44.72%	2.314%
32	16.774	16.704	16.789	BV	449625	5788484	48.43%	2.506%
33	16.807	16.789	16.942	VB	503945	6417486	53.69%	2.778%
34	17.159	17.100	17.194	BV	434342	5732547	47.96%	2.482%
35	17.223	17.194	17.309	VB	412152	5501868	46.03%	2.382%
36	18.116	17.960	18.167	BB	387273	5081523	42.52%	2.200%

					rters			
37	18.542	18.479	18.556	BV	439764	5822645	48.72%	2.521%
38	18.573	18.556	18.759	VB	431968	6931745	58.00%	3.001%
39	18.799	18.759	18.910	BV	418037	6497548	54.36%	2.813%
40	18.948	18.910	19.007	VB	373501	5016056	41.97%	2.171%
41	19.733	19.420	19.795	BB	355201	4958011	41.48%	2.146%
42	20.474	20.320	20.537	BV	326627	4844591	40.53%	2.097%
43	21.223	21.172	21.292	PV	284285	4917371	41.14%	2.129%
44	22.158	22.075	22.240	BV	208893	4964374	41.53%	2.149%
					Sum of corrected areas:	231001082		

Aliphatic EPH 103025.M Tue Nov 18 12:36:44 2025

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170578BSD	SDG No.:	Q3649
Lab Sample ID:	PB170578BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/17/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	20.7		1	1.18	2.00	mg/kg	FE056872.D	11/17/25 15:39	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	62.6		1	0.91	4.00	mg/kg	FE056872.D	11/17/25 15:39	PB170578
Total AliphaticEPH	Total AliphaticEPH	83.3			2.09	6.00	mg/kg			
Total EPH	Total EPH	83.3			2.09	6.00	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	HDR, Inc.		Date Collected:	
Project:	PVWC Linear Construction		Date Received:	
Client Sample ID:	PB170578BSD		SDG No.:	Q3649
Lab Sample ID:	PB170578BSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL	Test:
Prep Method :		Prep Date	11/17/25	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	62.6	1		0.91	4.00	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	20.7	1		1.18	2.00	mg/kg	11/17/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.2			40 - 140	52%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.2			40 - 140	60%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170578BSD	Acq On:	17 Nov 2025 15:39
Client Sample ID:	PB170578BSD	Operator:	YP\AJ
Data file:	FE056872.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	30525538	178.342	300	ug/ml
Aliphatic C12-C16	6.837	10.281	46852880	262.108	200	ug/ml
Aliphatic C16-C21	10.282	13.655	42264350	226.612	300	ug/ml
Aliphatic C21-C28	13.656	17.323	52348219	271.563	400	ug/ml
Aliphatic C28-C40	17.324	22.257	49513685	310.792	600	ug/ml
Aliphatic EPH	3.213	22.257	221504672	1250		ug/ml
ortho-Terphenyl (SURR)	11.951	11.951	6302921	30.17		ug/ml
1-chlorooctadecane (SURR)	13.387	13.387	4224440	26.22		ug/ml
Aliphatic C9-C28	3.213	17.323	171990987	938.625	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
 Data File : FE056872.D
 Signal(s) : FID1B.ch
 Acq On : 17 Nov 2025 15:39
 Operator : YP\AJ
 Sample : PB170578BSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB170578BSD

Integration File: sample.E
 Quant Time: Nov 18 12:26:50 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)	11.951	6302921	30.170 ug/ml
Spiked Amount 50.000		Recovery =	60.34%
12) S 1-chlorooctadecane (S...	13.387	4224440	26.220 ug/ml
Spiked Amount 50.000		Recovery =	52.44%
Target Compounds			
1) T n-Nonane (C9)	3.319	5414294	32.235 ug/ml
2) T n-Decane (C10)	4.568	5634400	32.836 ug/ml
3) T A~Naphthalene (C11.7)	6.279	6725616	36.436 ug/ml
4) T n-Dodecane (C12)	6.736	5928358	34.085 ug/ml
5) T A~2-methylnaphthalene...	7.378	6020579	33.972 ug/ml
6) T n-Tetradecane (C14)	8.570	6002030	34.385 ug/ml
7) T n-Hexadecane (C16)	10.181	5890526	32.196 ug/ml
8) T n-Octadecane (C18)	11.628	5832692	30.817 ug/ml
10) T n-Eicosane (C20)	12.941	5786411	31.049 ug/ml
11) T n-Heneicosane (C21)	13.554	5663384	30.799 ug/ml
13) T n-Docosane (C22)	14.142	5582428	29.821 ug/ml
14) T n-Tetracosane (C24)	15.248	12058377	61.565 ug/ml
15) T n-Hexacosane (C26)	16.272	5386677	27.718 ug/ml
16) T n-Octacosane (C28)	17.222	5533314	28.572 ug/ml
17) T n-Tricontane (C30)	18.114	5109129	25.482 ug/ml
18) T n-Dotriacontane (C32)	18.946	5060739	25.735 ug/ml
19) T n-Tetratriacontane (C34)	19.732	4962794	28.752 ug/ml
20) T n-Hexatriacontane (C36)	20.473	4852497	33.545 ug/ml
21) T n-Octatriacontane (C38)	21.222	4909432	39.007 ug/ml
22) T n-Tetracontane (C40)	22.157	5005592	43.296 ug/ml

(f)=RT Delta > 1/2 Window

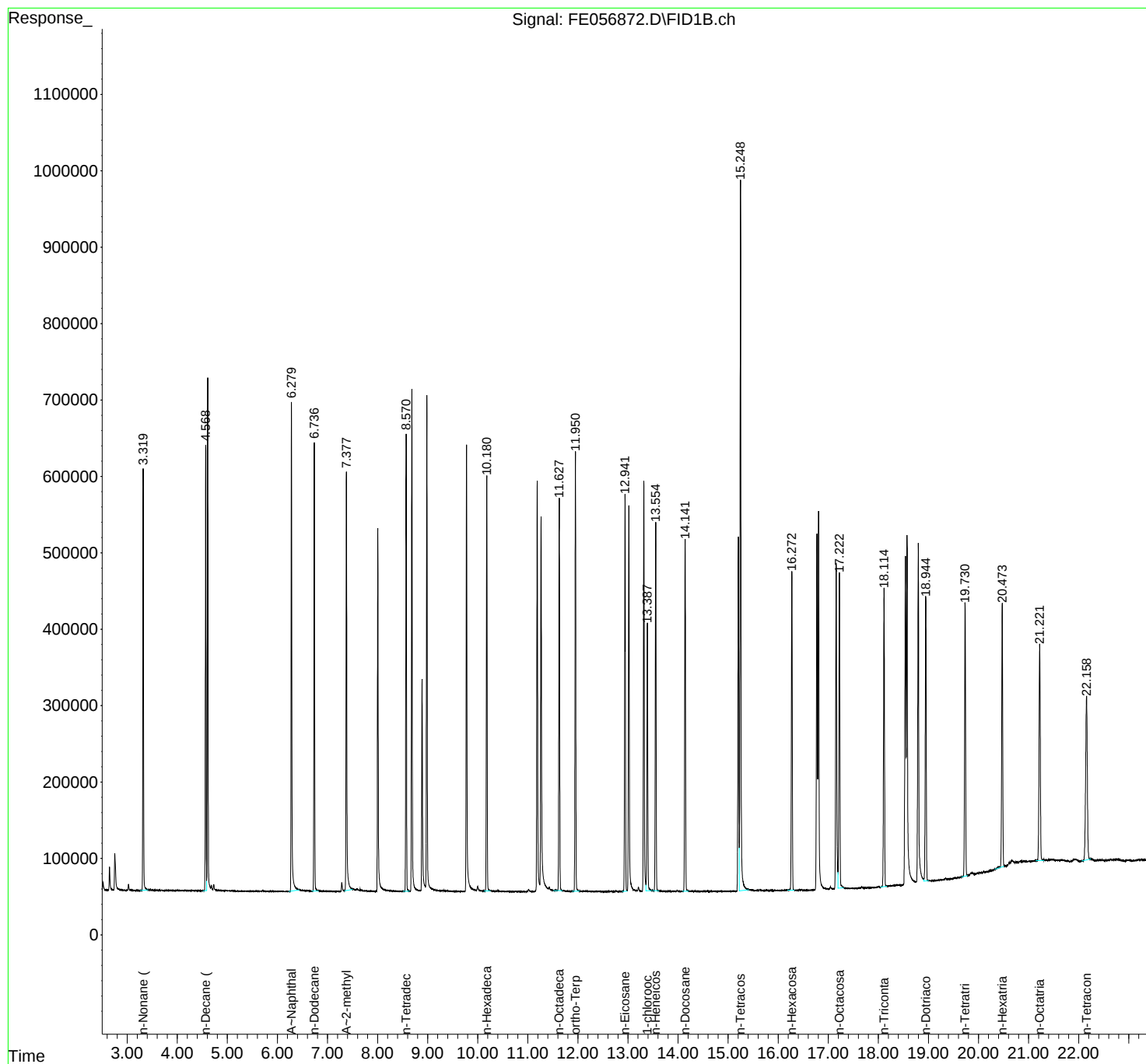
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056872.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 15:39
Operator : YP\AJ
Sample : PB170578BSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB170578BSD

Integration File: sample.E
Quant Time: Nov 18 12:26:50 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



Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
 Data File : FE056872.D
 Signal(s) : FID1B.ch
 Acq On : 17 Nov 2025 15:39
 Sample : PB170578BSD
 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	2.647	2.602	2.719	BB	30277	352910	2.93%	0.151%
2	2.753	2.719	2.854	BB	47427	772467	6.41%	0.331%
3	3.026	2.980	3.079	BB	7620	91022	0.75%	0.039%
4	3.319	3.259	3.420	BB	550273	5414294	44.90%	2.321%
5	4.568	4.514	4.587	BV	584786	5634400	46.73%	2.416%
6	4.607	4.587	4.665	VV	670356	6720298	55.73%	2.881%
7	4.728	4.709	4.775	VB	7649	102572	0.85%	0.044%
8	6.279	6.222	6.440	BB	637751	6725616	55.78%	2.883%
9	6.736	6.680	6.817	BB	587862	5928358	49.16%	2.542%
10	7.286	7.230	7.339	BB	11338	140480	1.16%	0.060%
11	7.378	7.339	7.505	BV	548204	6020579	49.93%	2.581%
12	8.004	7.945	8.159	BB	476066	5130804	42.55%	2.200%
13	8.570	8.505	8.642	BB	600042	6002030	49.77%	2.573%
14	8.684	8.644	8.817	BB	652634	6853967	56.84%	2.938%
15	8.888	8.834	8.955	BV	275439	3222678	26.73%	1.382%
16	8.984	8.955	9.130	VB	648159	6953445	57.66%	2.981%
17	9.776	9.717	9.942	BB	583612	6638371	55.05%	2.846%
18	10.181	10.125	10.254	BB	543962	5890526	48.85%	2.525%
19	11.188	11.124	11.239	BV	537300	6206702	51.47%	2.661%
20	11.265	11.239	11.410	VV	487857	6396087	53.04%	2.742%
21	11.628	11.509	11.695	BB	515509	5832692	48.37%	2.501%
22	11.951	11.885	12.032	BB	574977	6302921	52.27%	2.702%
23	12.941	12.880	12.982	BV	521420	5786411	47.99%	2.481%
24	13.017	12.982	13.150	VB	504516	6230277	51.67%	2.671%
25	13.317	13.255	13.359	BV	537497	6148797	50.99%	2.636%
26	13.387	13.359	13.474	VB	351347	4224440	35.03%	1.811%
27	13.554	13.489	13.620	BB	482591	5663384	46.97%	2.428%
28	14.142	14.084	14.209	BB	461420	5582428	46.30%	2.393%
29	15.205	15.149	15.224	BV	462705	5662510	46.96%	2.428%
30	15.248	15.224	15.417	VB	926465	12058377	100.00%	5.170%
31	16.272	16.189	16.324	BB	416793	5386677	44.67%	2.309%
32	16.774	16.705	16.788	BV	466296	5839715	48.43%	2.504%
33	16.806	16.788	16.930	VB	493201	6475885	53.70%	2.776%
34	17.158	17.100	17.194	BV	424020	5809313	48.18%	2.491%
35	17.222	17.194	17.310	VB	411841	5533314	45.89%	2.372%
36	18.114	18.039	18.174	BB	391288	5109129	42.37%	2.190%

						rteres		
37	18.541	18.467	18.555	BV	430524	5853671	48.54%	2.510%
38	18.572	18.555	18.752	VB	457663	7032298	58.32%	3.015%
39	18.797	18.752	18.905	BV	439593	6529720	54.15%	2.799%
40	18.946	18.905	19.005	VB	371200	5060739	41.97%	2.170%
41	19.732	19.655	19.785	BB	353952	4962794	41.16%	2.128%
42	20.473	20.320	20.515	BB	344843	4852497	40.24%	2.080%
43	20.670	20.550	20.734	BB	4205	197813	1.64%	0.085%
44	21.222	21.145	21.312	BB	281750	4909432	40.71%	2.105%
45	22.157	22.062	22.244	BB	213985	5005592	41.51%	2.146%

Sum of corrected areas: 233248432

Aliphatic EPH 103025.M Tue Nov 18 12:36:58 2025

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	B4-0.0-0.5-20251114MS	SDG No.:	Q3649
Lab Sample ID:	Q3649-06MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.01 g	Test:	EPH_NF
Prep Method :			
	Final Vol: 2000 uL		
	Prep Date : 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	72.2	E	1	1.29	2.19	mg/kg	FE056885.D	11/17/25 22:12	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	73.2		1	1.00	4.37	mg/kg	FE056885.D	11/17/25 22:12	PB170578
Total AliphaticEPH	Total AliphaticEPH	145			2.29	6.56	mg/kg			
Total EPH	Total EPH	145			2.29	6.56	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	HDR, Inc.		Date Collected:	
Project:	PVWC Linear Construction		Date Received:	
Client Sample ID:	B4-0.0-0.5-20251114MS		SDG No.:	Q3649
Lab Sample ID:	Q3649-06MS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	91.4
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL	Test:
Prep Method :		Prep Date	11/17/25	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	73.2		1	1.00	4.37	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	72.2	E	1	1.29	2.19	mg/kg	11/17/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	36.0			40 - 140	72%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	41.6			40 - 140	83%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3649-06MS	Acq On:	17 Nov 2025 22:12
Client Sample ID:	B4-0.0-0.5-20251114MS	Operator:	YP\AJ
Data file:	FE056885.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	24943734	145.731	300	ug/ml
Aliphatic C12-C16	6.837	10.281	50922461	284.874	200	ug/ml
Aliphatic C16-C21	10.282	13.655	48863751	261.996	300	ug/ml
Aliphatic C21-C28	13.656	17.323	59893085	310.703	400	ug/ml
Aliphatic C28-C40	17.324	22.257	157820217	990.62	600	ug/ml
Aliphatic EPH	3.213	22.257	342443248	1990		ug/ml
ortho-Terphenyl (SURR)	11.953	11.953	8698514	41.64		ug/ml
1-chlorooctadecane (SURR)	13.389	13.389	5807550	36.05		ug/ml
Aliphatic C9-C28	3.213	17.323	184623031	1000	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
 Data File : FE056885.D
 Signal(s) : FID1B.ch
 Acq On : 17 Nov 2025 22:12
 Operator : YP\AJ
 Sample : Q3649-06MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 B4-0.0-0.5-20251114MS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/19/2025
 Supervised By :Sohil Jodhani 11/19/2025

Integration File: sample.E
 Quant Time: Nov 18 12:18:22 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)	11.953	8698514	41.637 ug/ml
Spiked Amount 50.000		Recovery =	83.27%
12) S 1-chlorooctadecane (S...	13.389	5807550	36.046 ug/ml
Spiked Amount 50.000		Recovery =	72.09%
Target Compounds			
1) T n-Nonane (C9)	3.310	3845576	22.895 ug/ml
2) T n-Decane (C10)	4.604	4964848	28.934 ug/ml
3) T A~Naphthalene (C11.7)	6.279	5493344	29.761 ug/ml
4) T n-Dodecane (C12)	6.736	5084385	29.232 ug/ml
5) T A~2-methylnaphthalene...	7.378	5395025	30.442 ug/ml
6) T n-Tetradecane (C14)	8.571	5903352	33.820 ug/ml
7) T n-Hexadecane (C16)	10.182	6352778	34.723 ug/ml
8) T n-Octadecane (C18)	11.629	6430505	33.975 ug/ml
10) T n-Eicosane (C20)	12.943	6373911	34.201 ug/ml
11) T n-Heneicosane (C21)	13.556	6240456	33.937 ug/mlm
13) T n-Docosane (C22)	14.143	6203007	33.136 ug/ml
14) T n-Tetracosane (C24)	15.250	13161254	67.196 ug/ml
15) T n-Hexacosane (C26)	16.274	5962647	30.682 ug/ml
16) T n-Octacosane (C28)	17.225	5899047	30.461 ug/ml
17) T n-Tricontane (C30)	18.117	5683991	28.350 ug/ml
18) T n-Dotriacontane (C32)	18.949	5662754	28.796 ug/ml
19) T n-Tetratriacontane (C34)	19.734	5616036	32.536 ug/ml
20) T n-Hexatriacontane (C36)	20.476	5734360	39.641 ug/ml
21) T n-Octatriacontane (C38)	21.225	5504036	43.731 ug/ml
22) T n-Tetracontane (C40)	22.160	5497448	47.550 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056885.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 22:12
Operator : YP\AJ
Sample : Q3649-06MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

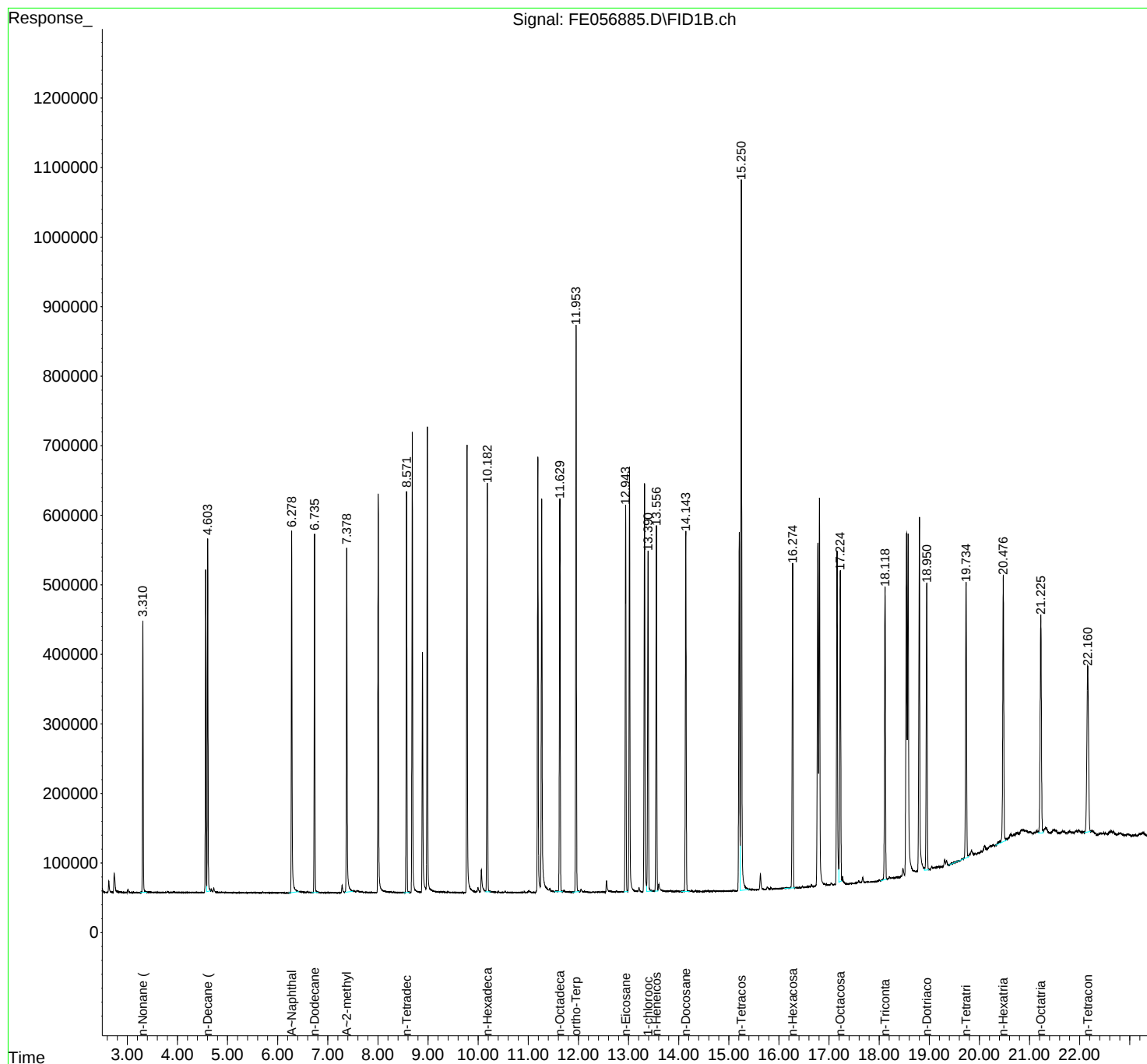
Instrument :
FID_E
ClientSampleId :
B4-0.0-0.5-20251114MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Integration File: sample.E
Quant Time: Nov 18 12:18:22 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

Instrument :

FID_E

ClientSampleId :

B4-0.0-0.5-20251114MS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/19/2025

Supervised By :Sohil Jodhani 11/19/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11172
Data File : FE056885.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 22:12
Sample : Q3649-06MS
Misc :
ALS Vial : 28 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	2.631	2.558	2.713	BV	16401	198105	1.49%	0.051%
2	2.739	2.713	2.937	VV	27259	494309	3.73%	0.127%
3	2.949	2.937	2.988	VV	277	4052	0.03%	0.001%
4	3.014	2.988	3.067	VV	5017	62218	0.47%	0.016%
5	3.081	3.067	3.091	VV	262	3301	0.02%	0.001%
6	3.098	3.091	3.152	VV	353	4163	0.03%	0.001%
7	3.180	3.152	3.200	PV	169	2515	0.02%	0.001%
8	3.219	3.200	3.235	PV	128	1393	0.01%	0.000%
9	3.245	3.235	3.258	VV	125	1253	0.01%	0.000%
10	3.310	3.258	3.441	VV	388681	3899314	29.41%	1.004%
11	3.457	3.441	3.498	VV	754	19184	0.14%	0.005%
12	3.523	3.498	3.537	VV	531	10790	0.08%	0.003%
13	3.549	3.537	3.574	VV	498	9104	0.07%	0.002%
14	3.589	3.574	3.609	VV	384	7000	0.05%	0.002%
15	3.624	3.609	3.633	VV	488	5652	0.04%	0.001%
16	3.643	3.633	3.665	VV	465	7122	0.05%	0.002%
17	3.684	3.665	3.725	VV	472	11219	0.08%	0.003%
18	3.759	3.725	3.777	VV	478	9830	0.07%	0.003%
19	3.799	3.777	3.888	VV	1522	39285	0.30%	0.010%
20	3.922	3.888	3.973	VV	799	26906	0.20%	0.007%
21	3.998	3.973	4.063	VV	441	18487	0.14%	0.005%
22	4.102	4.063	4.120	VV	384	10591	0.08%	0.003%
23	4.138	4.120	4.160	VV	472	8738	0.07%	0.002%
24	4.180	4.160	4.198	VV	352	6869	0.05%	0.002%
25	4.214	4.198	4.248	VV	550	11176	0.08%	0.003%
26	4.254	4.248	4.271	VV	340	4040	0.03%	0.001%
27	4.306	4.271	4.321	VV	529	12055	0.09%	0.003%
28	4.343	4.321	4.363	VV	400	8933	0.07%	0.002%
29	4.379	4.363	4.424	VV	433	12501	0.09%	0.003%
30	4.436	4.424	4.445	VV	317	3703	0.03%	0.001%
31	4.457	4.445	4.488	VV	376	8877	0.07%	0.002%
32	4.501	4.488	4.524	VV	366	6902	0.05%	0.002%
33	4.564	4.524	4.584	VV	464339	4350361	32.81%	1.120%
34	4.604	4.584	4.661	VV	505983	5067579	38.22%	1.304%
35	4.678	4.661	4.704	VV	5642	88518	0.67%	0.023%
36	4.725	4.704	4.834	VV	6908	149462	1.13%	0.038%

37	4.844	4.834	4.859	VV	721	9745	0.07%	0.003%
38	4.872	4.859	4.898	VV	714	13703		
39	4.904	4.898	4.918	VV	553	6725		
40	4.929	4.918	4.965	VV	598	13188		
41	4.988	4.965	5.044	VV	442	16903		
42	5.074	5.044	5.104	VV	384	10826		
43	5.119	5.104	5.128	VV	302	3788	0.03%	0.001%
44	5.141	5.128	5.154	VV	299	4266	0.03%	0.001%
45	5.158	5.154	5.185	VV	294	4160	0.03%	0.001%
46	5.193	5.185	5.217	VV	210	4414	0.03%	0.001%
47	5.229	5.217	5.269	VV	300	7098	0.05%	0.002%
48	5.278	5.269	5.329	VV	250	6662	0.05%	0.002%
49	5.336	5.329	5.367	VV	175	3032	0.02%	0.001%
50	5.382	5.367	5.395	VV	238	2396	0.02%	0.001%
51	5.407	5.395	5.431	VV	177	2623	0.02%	0.001%
52	5.445	5.431	5.491	VV	183	4576	0.03%	0.001%
53	5.498	5.491	5.507	VV	161	1173	0.01%	0.000%
54	5.543	5.507	5.626	VV	461	17987	0.14%	0.005%
55	5.633	5.626	5.677	VV	131	3484	0.03%	0.001%
56	5.703	5.677	5.786	VV	1527	21291	0.16%	0.005%
57	5.821	5.786	5.848	VV	217	5557	0.04%	0.001%
58	5.856	5.848	5.867	VV	199	1562	0.01%	0.000%
59	5.883	5.867	5.931	VV	203	5399	0.04%	0.001%
60	5.942	5.931	5.949	VV	153	1309	0.01%	0.000%
61	5.959	5.949	5.990	VV	145	3322	0.03%	0.001%
62	6.008	5.990	6.031	VV	220	3527	0.03%	0.001%
63	6.049	6.031	6.055	VV	145	1289	0.01%	0.000%
64	6.071	6.055	6.091	VV	169	2849	0.02%	0.001%
65	6.105	6.091	6.151	VV	143	2906	0.02%	0.001%
66	6.161	6.151	6.212	VV	88	1289	0.01%	0.000%
67	6.226	6.212	6.246	PV	69	1140	0.01%	0.000%
68	6.279	6.246	6.433	VV	516835	5620432	42.39%	1.447%
69	6.443	6.433	6.574	VV	1943	100834	0.76%	0.026%
70	6.596	6.574	6.700	VV	1324	63233	0.48%	0.016%
71	6.736	6.700	6.868	VV	513196	5154202	38.87%	1.327%
72	6.887	6.868	6.945	VV	732	24708	0.19%	0.006%
73	6.958	6.945	6.989	VV	431	10110	0.08%	0.003%
74	6.996	6.989	7.007	VV	352	3772	0.03%	0.001%
75	7.018	7.007	7.052	VV	363	8531	0.06%	0.002%
76	7.064	7.052	7.111	VV	284	8619	0.07%	0.002%
77	7.124	7.111	7.134	VV	200	2421	0.02%	0.001%
78	7.144	7.134	7.169	VV	203	2959	0.02%	0.001%
79	7.192	7.169	7.241	VV	182	4827	0.04%	0.001%
80	7.252	7.241	7.257	VV	91	627	0.00%	0.000%
81	7.286	7.257	7.340	VV	11209	165734	1.25%	0.043%
82	7.378	7.340	7.506	VV	493692	5555384	41.90%	1.430%
83	7.522	7.506	7.554	VV	3039	68966	0.52%	0.018%
84	7.583	7.554	7.644	VV	3222	117070	0.88%	0.030%
85	7.657	7.644	7.670	VV	1827	25192	0.19%	0.006%
86	7.683	7.670	7.720	VV	2058	37816	0.29%	0.010%
87	7.746	7.720	7.759	VV	977	20589	0.16%	0.005%
88	7.773	7.759	7.836	VV	978	27831	0.21%	0.007%
89	7.863	7.836	7.885	VV	967	16502	0.12%	0.004%

Instrument :

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B4-0.0-0.5-20251114MS

Manual IntegrationsAPPROVED

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Supervised By :Sohil Jodhani 11/19/2025

90	7.900	7.885	7.948	VV	457	12563	0.09%	0.003%
91	8.005	7.948	8.240	VV	573341	6253347	47.00%	1.529%
92	8.259	8.240	8.298	VV	1239	31713	0.04%	0.001%
93	8.314	8.298	8.349	VV	1021	22140	0.05%	0.002%
94	8.359	8.349	8.454	VV	533	25816	0.02%	0.001%
95	8.476	8.454	8.503	VV	631	12691	0.03%	0.001%
96	8.510	8.503	8.522	VV	321	3459	0.03%	0.001%
97	8.571	8.522	8.651	VV	578689	5938887	44.79%	1.529%
98	8.685	8.651	8.861	VV	657037	6812327	51.38%	1.754%
99	8.889	8.861	8.958	VV	344142	3931767	29.65%	1.012%
100	8.985	8.958	9.274	VV	668137	7232100	54.55%	1.862%
101	9.307	9.274	9.362	VV	1363	52804	0.40%	0.014%
102	9.397	9.362	9.475	VV	2011	50522	0.38%	0.013%
103	9.482	9.475	9.508	VV	411	6918	0.05%	0.002%
104	9.516	9.508	9.567	VV	323	10076	0.08%	0.003%
105	9.580	9.567	9.638	VV	367	9944	0.08%	0.003%
106	9.651	9.638	9.664	VV	188	2466	0.02%	0.001%
107	9.693	9.664	9.708	VV	166	3199	0.02%	0.001%
108	9.734	9.708	9.743	PV	100	1365	0.01%	0.000%
109	9.778	9.743	9.973	VV	645376	7157688	53.99%	1.842%
110	9.997	9.973	10.041	VV	7525	139320	1.05%	0.036%
111	10.064	10.041	10.147	VV	32554	608069	4.59%	0.157%
112	10.182	10.147	10.384	VV	583571	6501622	49.04%	1.674%
113	10.406	10.384	10.438	VV	1584	25000	0.19%	0.006%
114	10.478	10.438	10.498	VV	400	10959	0.08%	0.003%
115	10.537	10.498	10.618	VV	1627	38713	0.29%	0.010%
116	10.643	10.618	10.654	VV	278	4881	0.04%	0.001%
117	10.661	10.654	10.698	VV	234	2958	0.02%	0.001%
118	10.716	10.698	10.730	VV	259	2284	0.02%	0.001%
119	10.744	10.730	10.760	VV	117	1264	0.01%	0.000%
120	10.778	10.760	10.800	PV	239	2854	0.02%	0.001%
121	10.810	10.800	10.823	VV	167	1608	0.01%	0.000%
122	10.842	10.823	10.863	VV	409	5835	0.04%	0.002%
123	10.889	10.863	10.901	VV	334	5612	0.04%	0.001%
124	10.921	10.901	10.958	VV	796	11442	0.09%	0.003%
125	11.008	10.958	11.082	VV	2942	67038	0.51%	0.017%
126	11.097	11.082	11.122	VV	272	3395	0.03%	0.001%
127	11.191	11.122	11.237	PV	626103	6876306	51.86%	1.770%
128	11.267	11.237	11.410	VV	563736	7289981	54.98%	1.876%
129	11.429	11.410	11.524	VV	5897	171874	1.30%	0.044%
130	11.557	11.524	11.591	VV	2242	68740	0.52%	0.018%
131	11.629	11.591	11.691	VV	565610	6481877	48.89%	1.668%
132	11.711	11.691	11.778	VV	3254	77699	0.59%	0.020%
133	11.790	11.778	11.812	VV	796	13436	0.10%	0.003%
134	11.822	11.812	11.851	VV	669	10491	0.08%	0.003%
135	11.873	11.851	11.906	VV	537	10489	0.08%	0.003%
136	11.953	11.906	12.031	VV	816574	8761723	66.08%	2.255%
137	12.052	12.031	12.100	VV	4773	91209	0.69%	0.023%
138	12.119	12.100	12.140	VV	1284	21998	0.17%	0.006%
139	12.151	12.140	12.170	VV	671	9837	0.07%	0.003%
140	12.185	12.170	12.216	VV	495	9442	0.07%	0.002%
141	12.234	12.216	12.258	VV	220	3703	0.03%	0.001%

Instrument :

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B4-0.0-0.5-20251114MS

0.09% 0.003%

Manual IntegrationsAPPROVED

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142	12.296	12.258	12.341	PV	608	11462	0.09%	0.003%
143	12.362	12.341	12.381	VV	336	5244	0.09%	0.003%
144	12.397	12.381	12.414	VV	604	7162	0.09%	0.003%
145	12.448	12.414	12.481	VV	312	8451	0.09%	0.003%
146	12.504	12.481	12.523	VV	416	6585	0.09%	0.003%
147	12.560	12.523	12.644	VV	16557	284681	2.28%	0.010%
148	12.655	12.644	12.737	VV	1226	37111	0.28%	0.010%
149	12.762	12.737	12.792	VV	1534	24101	0.18%	0.006%
150	12.825	12.792	12.852	VV	424	11019	0.08%	0.003%
151	12.876	12.852	12.908	VV	727	18795	0.14%	0.005%
152	12.943	12.908	12.982	VV	549255	6399282	48.26%	1.647%
153	13.020	12.982	13.183	VV	613354	7114867	53.66%	1.831%
154	13.209	13.183	13.284	VV	6580	110542	0.83%	0.028%
155	13.320	13.284	13.361	VV	597027	6907140	52.10%	1.778%
156	13.389	13.361	13.481	VV	478873	5872913	44.29%	1.512%
157	13.495	13.481	13.517	VV	1251	24518	0.18%	0.006%
158	13.556	13.517	13.586	VV	522563	6284230	47.40%	1.618%
159	13.605	13.586	13.722	VV	10924	287636	2.17%	0.074%
160	13.731	13.722	13.769	VV	956	22322	0.17%	0.006%
161	13.805	13.769	13.820	VV	1147	25198	0.19%	0.006%
162	13.840	13.820	13.868	VV	1770	30661	0.23%	0.008%
163	13.932	13.868	13.952	VV	909	25803	0.19%	0.007%
164	13.983	13.952	14.017	VV	1381	26057	0.20%	0.007%
165	14.093	14.017	14.106	VV	1265	24956	0.19%	0.006%
166	14.143	14.106	14.225	VV	514397	6201516	46.77%	1.596%
167	14.253	14.225	14.308	VV	1470	27913	0.21%	0.007%
168	14.337	14.308	14.371	PV	1370	20810	0.16%	0.005%
169	14.376	14.371	14.431	VV	220	4850	0.04%	0.001%
170	14.471	14.431	14.494	VV	184	2035	0.02%	0.001%
171	14.539	14.494	14.560	PV	1065	18994	0.14%	0.005%
172	14.580	14.560	14.607	VV	1351	19598	0.15%	0.005%
173	14.655	14.607	14.673	VV	284	5806	0.04%	0.001%
174	14.705	14.673	14.730	PV	1451	17242	0.13%	0.004%
175	14.769	14.730	14.788	VV	332	7121	0.05%	0.002%
176	14.811	14.788	14.824	VV	316	4684	0.04%	0.001%
177	14.834	14.824	14.847	VV	209	1903	0.01%	0.000%
178	14.868	14.847	14.888	VV	145	2228	0.02%	0.001%
179	14.917	14.888	14.942	PV	271	3870	0.03%	0.001%
180	14.989	14.942	15.000	VV	179	4846	0.04%	0.001%
181	15.030	15.000	15.047	VV	356	5874	0.04%	0.002%
182	15.098	15.047	15.138	VV	875	17915	0.14%	0.005%
183	15.208	15.138	15.226	PV	513819	6404806	48.31%	1.649%
184	15.250	15.226	15.426	VV	1026907	13258655	100.00%	3.413%
185	15.444	15.426	15.549	VV	1151	44709	0.34%	0.012%
186	15.631	15.549	15.710	VV	22677	364013	2.75%	0.094%
187	15.724	15.710	15.738	VV	264	3710	0.03%	0.001%
188	15.767	15.738	15.811	VV	3460	60249	0.45%	0.016%
189	15.841	15.811	15.879	VV	2676	34197	0.26%	0.009%
190	15.902	15.879	15.924	VV	339	4775	0.04%	0.001%
191	15.959	15.924	15.983	VV	374	5887	0.04%	0.002%
192	15.992	15.983	15.998	VV	137	698	0.01%	0.000%
193	16.029	15.998	16.038	VV	223	3095	0.02%	0.001%
194	16.046	16.038	16.061	VV	200	1863	0.01%	0.000%

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195	16.092	16.061	16.112	VV	574	8742	0.07%	0.002%
196	16.150	16.112	16.187	VV	992	21024		
197	16.274	16.187	16.320	VV	468057	5960741	44	
198	16.340	16.320	16.377	VV	411	7858		
199	16.411	16.377	16.427	VV	191	3195		
200	16.470	16.427	16.498	PV	1451	21536		
201	16.586	16.498	16.601	VV	730	22420	0.17%	0.006%
202	16.649	16.601	16.683	VV	2832	64722	0.49%	0.017%
203	16.719	16.683	16.727	VV	1127	24444	0.18%	0.006%
204	16.777	16.727	16.792	VV	495100	6630500	50.01%	1.707%
205	16.809	16.792	16.938	VV	558316	7214787	54.42%	1.857%
206	16.949	16.938	17.011	VV	2383	82609	0.62%	0.021%
207	17.043	17.011	17.088	VV	4066	110405	0.83%	0.028%
208	17.104	17.088	17.121	VV	2126	36687	0.28%	0.009%
209	17.161	17.121	17.194	VV	478906	6525657	49.22%	1.680%
210	17.225	17.194	17.255	VV	452290	6124773	46.19%	1.577%
211	17.270	17.255	17.382	VV	12596	324126	2.44%	0.083%
212	17.512	17.382	17.521	VV	2122	155482	1.17%	0.040%
213	17.594	17.521	17.623	VV	4633	189501	1.43%	0.049%
214	17.673	17.623	17.732	VV	10183	285853	2.16%	0.074%
215	17.760	17.732	17.781	VV	3209	86726	0.65%	0.022%
216	17.797	17.781	17.828	VV	2857	78155	0.59%	0.020%
217	17.842	17.828	17.866	VV	2944	63726	0.48%	0.016%
218	17.901	17.866	17.924	VV	2961	98937	0.75%	0.025%
219	18.004	17.924	18.025	VV	4920	209411	1.58%	0.054%
220	18.117	18.025	18.154	VV	427300	6037244	45.53%	1.554%
221	18.207	18.154	18.238	VV	8276	330121	2.49%	0.085%
222	18.289	18.238	18.304	VV	6988	272324	2.05%	0.070%
223	18.350	18.304	18.370	VV	7545	286386	2.16%	0.074%
224	18.386	18.370	18.409	VV	7333	167145	1.26%	0.043%
225	18.474	18.409	18.508	VV	19503	676336	5.10%	0.174%
226	18.545	18.508	18.559	VV	495735	7113692	53.65%	1.831%
227	18.576	18.559	18.725	VV	505500	8657864	65.30%	2.229%
228	18.741	18.725	18.761	VV	14610	317025	2.39%	0.082%
229	18.803	18.761	18.906	VV	516555	8517258	64.24%	2.192%
230	18.949	18.906	18.997	VV	425870	6509989	49.10%	1.676%
231	19.049	18.997	19.083	VV	20006	915011	6.90%	0.236%
232	19.107	19.083	19.128	VV	18720	493990	3.73%	0.127%
233	19.149	19.128	19.161	VV	18820	363427	2.74%	0.094%
234	19.193	19.161	19.211	VV	18995	562639	4.24%	0.145%
235	19.239	19.211	19.251	VV	19338	455202	3.43%	0.117%
236	19.306	19.251	19.326	VV	28343	1019823	7.69%	0.263%
237	19.344	19.326	19.384	VV	27743	841470	6.35%	0.217%
238	19.445	19.384	19.459	VV	23066	981701	7.40%	0.253%
239	19.543	19.459	19.558	VV	25713	1446201	10.91%	0.372%
240	19.593	19.558	19.604	VV	26489	727625	5.49%	0.187%
241	19.734	19.604	19.776	VV	427434	8535287	64.38%	2.197%
242	19.806	19.776	19.813	VV	34892	754066	5.69%	0.194%
243	19.842	19.813	19.881	VV	39912	1506656	11.36%	0.388%
244	19.915	19.881	19.939	VV	35371	1198934	9.04%	0.309%
245	20.033	19.939	20.052	VV	37772	2456416	18.53%	0.632%
246	20.105	20.052	20.134	VV	46124	2041896	15.40%	0.526%

Instrument :

FID_E

ClientSampleId :

B4-0.0-0.5-20251114MS

0.07% 0.002%

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/19/2025

Supervised By :Sohil Jodhani 11/19/2025

							Instrument : FID_E ClientSampleId : B4-0.0-0.5-20251114MS	
247	20.148	20.134	20.162	VV	41739	697126	5.26%	0.179%
248	20.212	20.162	20.238	VV	44827	1980050	14.37%	0.490%
249	20.266	20.238	20.306	VV	46339	1859494	14.37%	0.490%
250	20.405	20.306	20.418	VV	51334	3256762	24.37%	0.790%
251	20.476	20.418	20.549	VV	429159	9586027	72.16%	0.350%
252	20.614	20.549	20.625	VV	59912	2562761	19.33%	0.790%
253	20.636	20.625	20.663	VV	60067	1360522	10.26%	0.350%
254	20.735	20.663	20.749	VV	62208	3070557	23.16%	0.790%
255	20.763	20.749	20.779	VV	62330	1118557	8.44%	0.288%
256	20.838	20.779	20.850	VV	65629	2674165	20.17%	0.688%
257	20.863	20.850	20.898	VV	66171	1905333	14.37%	0.490%
258	20.907	20.898	20.974	VV	64873	2892860	21.82%	0.745%
259	20.989	20.974	21.007	VV	63042	1237616	9.33%	0.319%
260	21.020	21.007	21.053	VV	62412	1682019	12.69%	0.433%
261	21.066	21.053	21.077	VV	60211	851782	6.42%	0.219%
262	21.098	21.077	21.112	VV	60993	1271766	9.59%	0.327%
263	21.138	21.112	21.157	VV	62731	1663559	12.55%	0.428%
264	21.168	21.157	21.178	VV	62220	801741	6.05%	0.206%
265	21.225	21.178	21.269	VV	370365	8754143	66.03%	2.253%
266	21.333	21.269	21.395	VV	67212	4820810	36.36%	1.241%
267	21.407	21.395	21.418	VV	60066	811153	6.12%	0.209%
268	21.492	21.418	21.565	VV	64118	5433883	40.98%	1.399%
269	21.661	21.565	21.750	VV	61270	6540428	49.33%	1.684%
270	21.804	21.750	21.889	VV	59929	4910048	37.03%	1.264%
271	21.930	21.889	21.951	VV	59941	2188754	16.51%	0.563%
272	21.979	21.951	21.989	VV	60384	1373098	10.36%	0.353%
273	21.998	21.989	22.044	VV	60347	1918851	14.47%	0.494%
274	22.055	22.044	22.067	VV	58217	804462	6.07%	0.207%
275	22.079	22.067	22.097	VV	58475	1032444	7.79%	0.266%
276	22.160	22.097	22.220	VV	297008	9785919	73.81%	2.519%
277	22.247	22.220	22.357	VV	59289	4620008	34.85%	1.189%
278	22.386	22.357	22.411	VV	54690	1747284	13.18%	0.450%
279	22.428	22.411	22.444	VV	55237	1091762	8.23%	0.281%
280	22.467	22.444	22.499	VV	55040	1805198	13.62%	0.465%
281	22.509	22.499	22.556	VV	54275	1830341	13.80%	0.471%
282	22.586	22.556	22.596	VV	55384	1280369	9.66%	0.330%
283	22.623	22.596	22.652	VV	57125	1894699	14.29%	0.488%
284	22.668	22.652	22.734	VV	56066	2677310	20.19%	0.689%
285	22.755	22.734	22.766	VV	52516	992215	7.48%	0.255%
286	22.811	22.766	22.897	VV	53529	4069574	30.69%	1.048%
287	22.907	22.897	22.925	VV	50809	847226	6.39%	0.218%
288	22.963	22.925	23.028	VV	51653	3113999	23.49%	0.802%
289	23.045	23.028	23.064	VV	49208	1054636	7.95%	0.271%
290	23.113	23.064	23.145	VV	49660	2388131	18.01%	0.615%
291	23.195	23.145	23.215	VV	51188	2118354	15.98%	0.545%
292	23.263	23.215	23.340	VBA	52061	3737523	28.19%	0.962%
Sum of corrected areas:							388495168	

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	B4-0.0-0.5-20251114MSD	SDG No.:	Q3649
Lab Sample ID:	Q3649-06MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.05 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/17/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	66.5	E	1	1.29	2.18	mg/kg	FE056886.D	11/17/25 22:42	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	78.1		1	0.99	4.37	mg/kg	FE056886.D	11/17/25 22:42	PB170578
Total AliphaticEPH	Total AliphaticEPH	145			2.28	6.55	mg/kg			
Total EPH	Total EPH	145			2.28	6.55	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	HDR, Inc.		Date Collected:	
Project:	PVWC Linear Construction		Date Received:	
Client Sample ID:	B4-0.0-0.5-20251114MSD		SDG No.:	Q3649
Lab Sample ID:	Q3649-06MSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	91.4
Sample Wt/Vol:	30.05 g	Final Vol:	2000 uL	Test:
Prep Method :		Prep Date	11/17/25	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	78.1		1	0.99	4.37	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	66.5	E	1	1.29	2.18	mg/kg	11/17/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	35.7			40 - 140	71%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	41.3			40 - 140	83%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3649-06MSD	Acq On:	17 Nov 2025 22:42
Client Sample ID:	B4-0.0-0.5-20251114MSD	Operator:	YP\AJ
Data file:	FE056886.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	24702803	144.324	300	ug/ml
Aliphatic C12-C16	6.837	10.281	50357853	281.715	200	ug/ml
Aliphatic C16-C21	10.282	13.655	63014933	337.872	300	ug/ml
Aliphatic C21-C28	13.656	17.323	59635129	309.365	400	ug/ml
Aliphatic C28-C40	17.324	22.257	145541185	913.546	600	ug/ml
Aliphatic EPH	3.213	22.257	343251903	1990		ug/ml
ortho-Terphenyl (SURR)	11.954	11.954	8631142	41.31		ug/ml
1-chlorooctadecane (SURR)	13.390	13.390	5755450	35.72		ug/ml
Aliphatic C9-C28	3.213	17.323	197710718	1070	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
 Data File : FE056886.D
 Signal(s) : FID1B.ch
 Acq On : 17 Nov 2025 22:42
 Operator : YP\AJ
 Sample : Q3649-06MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 B4-0.0-0.5-20251114MSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/19/2025
 Supervised By :Sohil Jodhani 11/19/2025

Integration File: sample.E
 Quant Time: Nov 18 12:19:18 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)	11.954	8631142	41.315 ug/ml
Spiked Amount 50.000		Recovery =	82.63%
12) S 1-chlorooctadecane (S...	13.390	5755450	35.722 ug/ml
Spiked Amount 50.000		Recovery =	71.44%
Target Compounds			
1) T n-Nonane (C9)	3.310	3795254	22.596 ug/ml
2) T n-Decane (C10)	4.604	4919299	28.668 ug/ml
3) T A~Naphthalene (C11.7)	6.279	5445361	29.501 ug/ml
4) T n-Dodecane (C12)	6.736	5037999	28.966 ug/ml
5) T A~2-methylnaphthalene...	7.378	5333863	30.097 ug/ml
6) T n-Tetradecane (C14)	8.571	5839307	33.453 ug/ml
7) T n-Hexadecane (C16)	10.182	6281841	34.335 ug/ml
8) T n-Octadecane (C18)	11.630	6339018	33.492 ug/ml
10) T n-Eicosane (C20)	12.943	6302672	33.819 ug/ml
11) T n-Heneicosane (C21)	13.555	6190916	33.668 ug/mlm
13) T n-Docosane (C22)	14.143	6137911	32.788 ug/ml
14) T n-Tetracosane (C24)	15.251	13080493	66.784 ug/ml
15) T n-Hexacosane (C26)	16.274	5913000	30.426 ug/ml
16) T n-Octacosane (C28)	17.225	5857046	30.244 ug/ml
17) T n-Tricontane (C30)	18.116	5631480	28.088 ug/ml
18) T n-Dotriacontane (C32)	18.948	5585683	28.404 ug/ml
19) T n-Tetratriacontane (C34)	19.734	5399260	31.280 ug/ml
20) T n-Hexatriacontane (C36)	20.476	5510922	38.097 ug/ml
21) T n-Octatriacontane (C38)	21.226	5343084	42.452 ug/ml
22) T n-Tetracontane (C40)	22.161	5465805	47.276 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111725AL\
Data File : FE056886.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 22:42
Operator : YP\AJ
Sample : Q3649-06MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

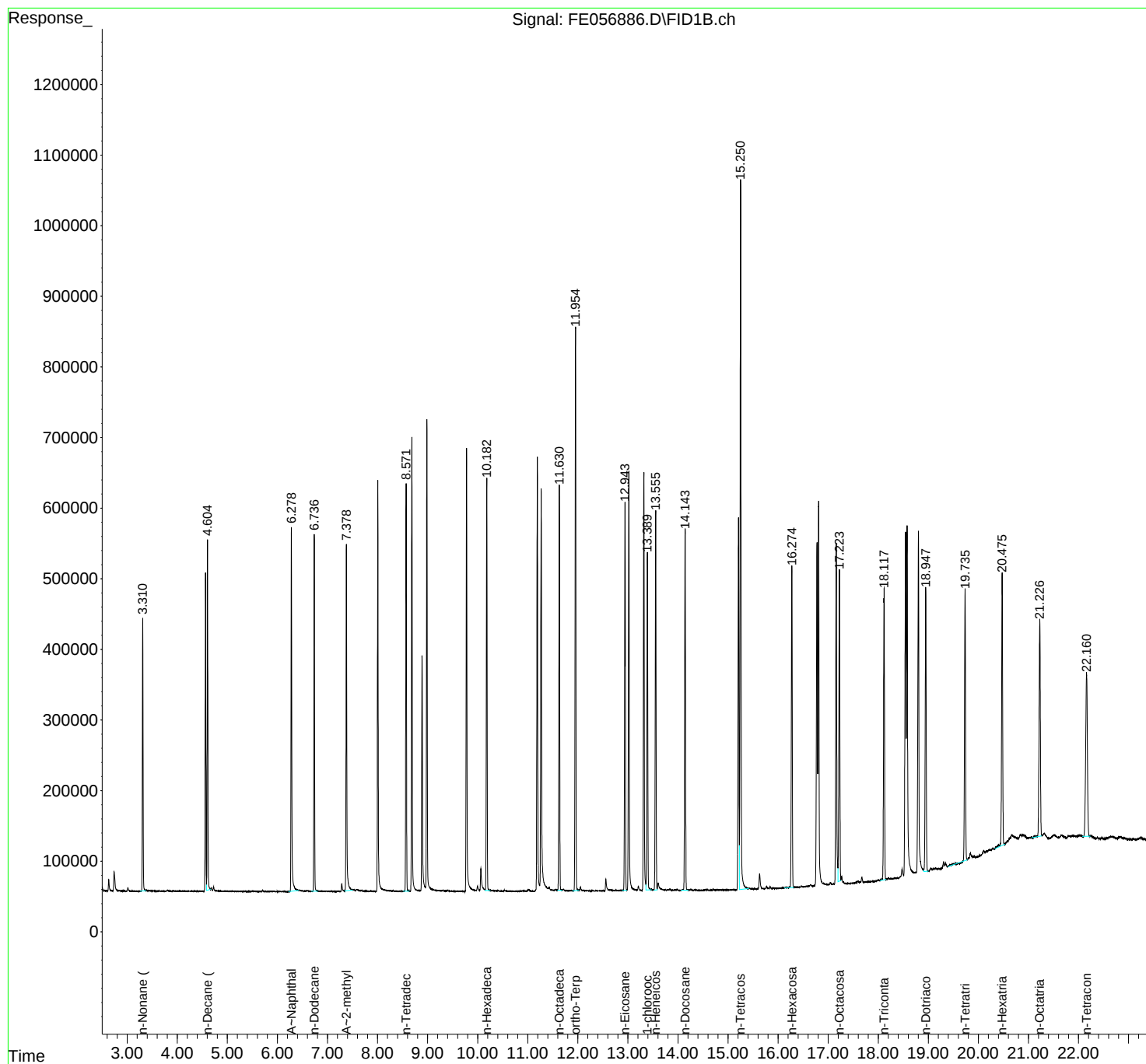
Instrument :
FID_E
ClientSampleId :
B4-0.0-0.5-20251114MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

Integration File: sample.E
Quant Time: Nov 18 12:19:18 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

Instrument :

FID_E

ClientSampleId :

B4-0.0-0.5-20251114MSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/19/2025

Supervised By :Sohil Jodhani 11/19/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE11172
Data File : FE056886.D
Signal(s) : FID1B.ch
Acq On : 17 Nov 2025 22:42
Sample : Q3649-06MSD
Misc :
ALS Vial : 29 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	2.631	2.558	2.711	BV	16144	196360	1.26%	0.053%
2	2.739	2.711	2.841	VV	27246	472793	3.04%	0.127%
3	2.856	2.841	2.915	VV	543	14248	0.09%	0.004%
4	2.926	2.915	2.933	VV	127	1425	0.01%	0.000%
5	2.951	2.933	2.991	VV	305	4104	0.03%	0.001%
6	3.014	2.991	3.074	PV	4877	61820	0.40%	0.017%
7	3.093	3.074	3.136	VV	300	5546	0.04%	0.001%
8	3.144	3.136	3.151	PV	46	295	0.00%	0.000%
9	3.178	3.151	3.212	PV	193	2861	0.02%	0.001%
10	3.219	3.212	3.275	PV	31	2748	0.02%	0.001%
11	3.310	3.275	3.436	VV	384779	3856229	24.78%	1.036%
12	3.453	3.436	3.508	VV	701	23154	0.15%	0.006%
13	3.520	3.508	3.575	VV	558	16685	0.11%	0.004%
14	3.644	3.575	3.665	VV	454	18293	0.12%	0.005%
15	3.680	3.665	3.734	VV	497	11788	0.08%	0.003%
16	3.759	3.734	3.773	VV	417	6909	0.04%	0.002%
17	3.801	3.773	3.888	VV	1425	40373	0.26%	0.011%
18	3.925	3.888	3.985	VV	842	28783	0.18%	0.008%
19	3.998	3.985	4.016	VV	506	7329	0.05%	0.002%
20	4.027	4.016	4.070	VV	398	10056	0.06%	0.003%
21	4.104	4.070	4.125	VV	442	9897	0.06%	0.003%
22	4.138	4.125	4.198	VV	482	12849	0.08%	0.003%
23	4.214	4.198	4.258	VV	505	10595	0.07%	0.003%
24	4.302	4.258	4.418	VV	522	32856	0.21%	0.009%
25	4.454	4.418	4.525	VV	372	20641	0.13%	0.006%
26	4.564	4.525	4.584	VV	453459	4312194	27.71%	1.159%
27	4.604	4.584	4.660	VV	495226	5021871	32.27%	1.350%
28	4.677	4.660	4.705	VV	5651	88936	0.57%	0.024%
29	4.726	4.705	4.915	VV	6693	174418	1.12%	0.047%
30	4.928	4.915	5.207	VV	557	58033	0.37%	0.016%
31	5.230	5.207	5.432	VV	272	21138	0.14%	0.006%
32	5.463	5.432	5.511	VV	100	4628	0.03%	0.001%
33	5.542	5.511	5.681	VV	415	19357	0.12%	0.005%
34	5.704	5.681	5.786	VV	1492	21551	0.14%	0.006%
35	5.815	5.786	5.899	VV	160	7533	0.05%	0.002%
36	5.914	5.899	5.951	VV	102	2764	0.02%	0.001%

37	6.004	5.951	6.061	VV	173	7418	0.05%	0.002%
38	6.074	6.061	6.095	VV	208	2449	0.05%	0.002%
39	6.109	6.095	6.159	VV	145	3401	0.05%	0.002%
40	6.181	6.159	6.205	PV	89	1890	0.05%	0.002%
41	6.228	6.205	6.251	VV	118	1705	0.05%	0.002%
42	6.279	6.251	6.578	VV	514054	5674470	36.84%	1.374%
43	6.597	6.578	6.695	VV	1281	59243	0.38%	0.016%
44	6.736	6.695	6.870	VV	503879	5110619	32.84%	1.374%
45	6.889	6.870	7.011	VV	722	37306	0.24%	0.010%
46	7.027	7.011	7.051	VV	430	8121	0.05%	0.002%
47	7.063	7.051	7.171	VV	306	16848	0.11%	0.005%
48	7.199	7.171	7.245	VV	179	6044	0.04%	0.002%
49	7.286	7.245	7.341	VV	10687	160365	1.03%	0.043%
50	7.378	7.341	7.508	VV	490569	5493857	35.31%	1.477%
51	7.522	7.508	7.558	VV	2955	68752	0.44%	0.018%
52	7.584	7.558	7.641	VV	3141	109679	0.70%	0.029%
53	7.683	7.641	7.724	VV	2119	66668	0.43%	0.018%
54	7.745	7.724	7.837	VV	905	41224	0.26%	0.011%
55	7.864	7.837	7.958	VV	946	27638	0.18%	0.007%
56	8.005	7.958	8.241	VV	574997	6184458	39.75%	1.662%
57	8.259	8.241	8.295	VV	1233	28602	0.18%	0.008%
58	8.314	8.295	8.442	VV	1037	43981	0.28%	0.012%
59	8.474	8.442	8.525	VV	630	18544	0.12%	0.005%
60	8.571	8.525	8.651	VV	579503	5873667	37.75%	1.579%
61	8.685	8.651	8.861	VV	640936	6745840	43.35%	1.813%
62	8.889	8.861	8.955	VV	332952	3880307	24.94%	1.043%
63	8.985	8.955	9.263	VV	663117	7161982	46.03%	1.925%
64	9.308	9.263	9.367	VV	1266	58603	0.38%	0.016%
65	9.398	9.367	9.548	VV	1872	56867	0.37%	0.015%
66	9.575	9.548	9.745	VV	279	13906	0.09%	0.004%
67	9.778	9.745	9.975	PV	631777	7092150	45.58%	1.906%
68	9.998	9.975	10.041	VV	7520	136820	0.88%	0.037%
69	10.065	10.041	10.148	VV	31826	600152	3.86%	0.161%
70	10.181	10.148	10.378	VV	582989	6425472	41.30%	1.727%
71	10.406	10.378	10.449	VV	1570	28642	0.18%	0.008%
72	10.479	10.449	10.503	VV	439	10515	0.07%	0.003%
73	10.537	10.503	10.611	VV	1642	37865	0.24%	0.010%
74	10.636	10.611	10.689	VV	281	7964	0.05%	0.002%
75	10.715	10.689	10.763	VV	205	4046	0.03%	0.001%
76	10.843	10.763	10.866	PV	413	11184	0.07%	0.003%
77	10.920	10.866	10.954	VV	785	16570	0.11%	0.004%
78	11.010	10.954	11.120	VV	2777	69573	0.45%	0.019%
79	11.190	11.120	11.234	PV	606283	6803373	43.72%	1.829%
80	11.267	11.234	11.408	VV	562560	7252152	46.61%	1.949%
81	11.428	11.408	11.521	VV	6026	174301	1.12%	0.047%
82	11.557	11.521	11.587	VV	2268	66179	0.43%	0.018%
83	11.629	11.587	11.687	VV	567108	6410815	41.20%	1.723%
84	11.713	11.687	11.770	VV	2862	70614	0.45%	0.019%
85	11.789	11.770	11.856	VV	725	26137	0.17%	0.007%
86	11.870	11.856	11.916	VV	514	11091	0.07%	0.003%
87	11.953	11.916	12.027	VV	801216	8680450	55.79%	2.333%
88	12.053	12.027	12.172	VV	4690	118495	0.76%	0.032%
89	12.187	12.172	12.219	VV	460	8044	0.05%	0.002%

Instrument :

FID_E

ClientSampleId :

B4-0.0-0.5-20251114MSD

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/19/2025

Supervised By :Sohil Jodhani 11/19/2025

90	12.235	12.219	12.268	VV	214	3262	0.02%	0.001%
91	12.297	12.268	12.343	PV	514	8289		
92	12.396	12.343	12.417	VV	381	7977		
93	12.448	12.417	12.474	VV	245	6125		
94	12.502	12.474	12.536	VV	332	7777		
95	12.561	12.536	12.733	VV	15564	323441		
96	12.763	12.733	12.794	VV	1512	24980	0.16%	0.007%
97	12.825	12.794	12.843	VV	423	9278	0.06%	0.002%
98	12.877	12.843	12.903	VV	746	19837	0.13%	0.005%
99	12.942	12.903	12.980	VV	548549	6339882	40.75%	1.704%
100	13.019	12.980	13.180	VV	561813	7069072	45.43%	1.900%
101	13.210	13.180	13.283	VV	6599	116141	0.75%	0.031%
102	13.319	13.283	13.355	VV	571835	6822368	43.85%	1.834%
103	13.389	13.355	13.513	VV	475864	5890995	37.86%	1.583%
104	13.555	13.513	13.776	VV	540042	6557499	42.14%	1.763%
105	13.840	13.776	13.878	VV	1855	60513	0.39%	0.016%
106	13.932	13.878	13.950	VV	885	26249	0.17%	0.007%
107	13.982	13.950	14.024	VV	1421	32883	0.21%	0.009%
108	14.143	14.024	14.223	VV	506852	6180302	39.72%	1.661%
109	14.254	14.223	14.300	VV	1587	33574	0.22%	0.009%
110	14.338	14.300	14.436	VV	1515	28357	0.18%	0.008%
111	14.539	14.436	14.558	PV	1063	20900	0.13%	0.006%
112	14.580	14.558	14.633	VV	1356	22047	0.14%	0.006%
113	14.654	14.633	14.683	VV	240	3754	0.02%	0.001%
114	14.705	14.683	14.732	PV	1382	17049	0.11%	0.005%
115	14.769	14.732	14.791	VV	405	7701	0.05%	0.002%
116	14.812	14.791	14.889	VV	362	10335	0.07%	0.003%
117	14.912	14.889	14.943	VV	179	3524	0.02%	0.001%
118	15.029	14.943	15.050	VV	282	10043	0.06%	0.003%
119	15.096	15.050	15.156	VV	800	20104	0.13%	0.005%
120	15.208	15.156	15.227	PV	520661	6368717	40.93%	1.712%
121	15.250	15.227	15.424	VV	998175	13173307	84.66%	3.541%
122	15.441	15.424	15.588	VV	1227	62435	0.40%	0.017%
123	15.631	15.588	15.709	VV	21469	371363	2.39%	0.100%
124	15.769	15.709	15.812	VV	3593	73325	0.47%	0.020%
125	15.841	15.812	15.875	VV	2682	37866	0.24%	0.010%
126	15.900	15.875	15.926	PV	318	5919	0.04%	0.002%
127	16.092	15.926	16.110	PV	412	13480	0.09%	0.004%
128	16.153	16.110	16.183	VV	815	15442	0.10%	0.004%
129	16.274	16.183	16.316	VV	459764	5911833	37.99%	1.589%
130	16.339	16.316	16.383	VV	488	12895	0.08%	0.003%
131	16.470	16.383	16.503	VV	1549	36694	0.24%	0.010%
132	16.650	16.503	16.688	VV	2948	112084	0.72%	0.030%
133	16.809	16.688	17.016	VV	553517	13883757	89.23%	3.732%
134	17.045	17.016	17.123	VV	4230	156906	1.01%	0.042%
135	17.161	17.123	17.193	VV	484081	6453563	41.48%	1.735%
136	17.224	17.193	17.394	VV	442725	6468208	41.57%	1.739%
137	17.594	17.394	17.627	VV	4538	349851	2.25%	0.094%
138	17.673	17.627	17.710	VV	9824	232411	1.49%	0.062%
139	17.903	17.710	17.921	VV	3136	362068	2.33%	0.097%
140	18.004	17.921	18.028	VV	5076	242684	1.56%	0.065%
141	18.116	18.028	18.162	VV	415525	5993209	38.52%	1.611%

Instrument :

FID_E

ClientSampleId :

B4-0.0-0.5-20251114MSD

0.02% 0.001%

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/19/2025

Supervised By :Sohil Jodhani 11/19/2025

				rters				
142	18.205	18.162	18.230	VV	7406	240289	1.54%	0.065%
143	18.352	18.230	18.370	VV	6400	493287		
144	18.476	18.370	18.502	VV	18252	734195		
145	18.544	18.502	18.730	VV	481480	15559821	100	
146	18.801	18.730	18.910	VV	505496	8555513	54	
147	18.948	18.910	19.003	VV	408923	6349986	40	
148	19.050	19.003	19.082	VV	17980	751068	4.83%	0.202%
149	19.147	19.082	19.175	VV	17212	933766	6.00%	0.251%
150	19.214	19.175	19.237	VV	16540	607987	3.91%	0.163%
151	19.307	19.237	19.383	VV	25965	1763268	11.33%	0.474%
152	19.543	19.383	19.564	VV	22515	2294488	14.75%	0.617%
153	19.592	19.564	19.610	VV	22618	615985	3.96%	0.166%
154	19.734	19.610	19.780	VV	409866	7960712	51.16%	2.140%
155	19.842	19.780	19.881	VV	35658	1900325	12.21%	0.511%
156	19.915	19.881	19.943	VV	31577	1158784	7.45%	0.311%
157	20.106	19.943	20.130	VV	38970	3725823	23.95%	1.001%
158	20.216	20.130	20.238	VV	39558	2486130	15.98%	0.668%
159	20.290	20.238	20.311	VV	41257	1763041	11.33%	0.474%
160	20.475	20.311	20.530	VV	427469	11222955	72.13%	3.016%
161	20.671	20.530	20.787	VV	58960	8328106	53.52%	2.238%
162	20.839	20.787	20.862	VV	58879	2524903	16.23%	0.679%
163	20.881	20.862	20.975	VV	58587	3861759	24.82%	1.038%
164	21.030	20.975	21.084	VV	54166	3519397	22.62%	0.946%
165	21.152	21.084	21.173	VV	56069	2966008	19.06%	0.797%
166	21.225	21.173	21.270	VV	356287	8514451	54.72%	2.288%
167	21.314	21.270	21.413	VV	59057	4770416	30.66%	1.282%
168	21.515	21.413	21.596	VV	56067	5936680	38.15%	1.596%
169	21.661	21.596	21.758	VV	55346	5182866	33.31%	1.393%
170	21.810	21.758	21.841	VV	54008	2632942	16.92%	0.708%
171	21.875	21.841	21.976	VV	53840	4319193	27.76%	1.161%
172	22.008	21.976	22.095	VV	54114	3799900	24.42%	1.021%
173	22.161	22.095	22.336	VV	283490	12886918	82.82%	3.464%
174	22.377	22.336	22.433	VV	49327	2829388	18.18%	0.760%
175	22.457	22.433	22.523	VV	48568	2579456	16.58%	0.693%
176	22.671	22.523	22.775	VV	49886	7345557	47.21%	1.974%
177	22.835	22.775	22.898	VV	48526	3495861	22.47%	0.940%
178	22.921	22.898	23.050	VV	46750	4150766	26.68%	1.116%
179	23.092	23.050	23.156	VV	44951	2829610	18.19%	0.761%
180	23.245	23.156	23.330	VBA	46343	4813233	30.93%	1.294%

Sum of corrected areas: 372055226

Aliphatic EPH 103025.M Tue Nov 18 12:40:27 2025

Instrument :

FID_E

ClientSampleId :

B4-0.0-0.5-20251114MSD

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 11/19/2025

Supervised By :Sohil Jodhani 11/19/2025

Manual Integration Report

Sequence:

FE103025AL

Instrument

FID_e

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

Manual Integration Report

Sequence:

FE111725AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3638-01	FE056873.D	ortho-Terphenyl (SURRE)	rahul	11/19/2025 2:44:42 PM	Sohil	11/19/2025 3:32:23	Peak Integrated by Software
Q3645-02	FE056880.D	1-chlorooctadecane (SURRE)	rahul	11/19/2025 2:45:03 PM	Sohil	11/19/2025 3:32:28	Peak Integrated by Software
Q3646-01	FE056881.D	1-chlorooctadecane (SURRE)	rahul	11/19/2025 2:45:05 PM	Sohil	11/19/2025 3:32:32	Peak Integrated by Software
Q3646-01	FE056881.D	ortho-Terphenyl (SURRE)	rahul	11/19/2025 2:45:05 PM	Sohil	11/19/2025 3:32:32	Peak Integrated by Software
Q3646-02	FE056882.D	1-chlorooctadecane (SURRE)	rahul	11/19/2025 2:45:08 PM	Sohil	11/19/2025 3:32:36	Peak Integrated by Software
Q3646-02	FE056882.D	ortho-Terphenyl (SURRE)	rahul	11/19/2025 2:45:08 PM	Sohil	11/19/2025 3:32:36	Peak Integrated by Software
Q3649-06MS	FE056885.D	n-Heneicosane (C21)	rahul	11/19/2025 2:45:09 PM	Sohil	11/19/2025 3:32:40	Peak Integrated by Software
Q3649-06MSD	FE056886.D	n-Heneicosane (C21)	rahul	11/19/2025 2:45:11 PM	Sohil	11/19/2025 3:32:45	Peak Integrated by Software
Q3648-01	FE056890.D	ortho-Terphenyl (SURRE)	rahul	11/19/2025 2:45:14 PM	Sohil	11/19/2025 3:32:48	Peak Integrated by Software
Q3648-02	FE056891.D	ortho-Terphenyl (SURRE)	rahul	11/19/2025 2:45:16 PM	Sohil	11/19/2025 3:32:55	Peak Integrated by Software

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 # FE111725AL

Review By	rahul	Review On	11/17/2025 3:31:03 PM
Supervise By	Sohil	Supervise On	11/19/2025 3:33:03 PM
SubDirectory	FE111725AL	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	FE056865.D	17 Nov 2025 09:44	YP\AJ	Ok
2	I.BLK	FE056866.D	17 Nov 2025 10:14	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE056867.D	17 Nov 2025 12:46	YP\AJ	Ok
4	Q3631-02DL	FE056868.D	17 Nov 2025 13:31	YP\AJ	Not Ok
5	Q3633-01DL	FE056869.D	17 Nov 2025 14:02	YP\AJ	Ok
6	PB170578BL	FE056870.D	17 Nov 2025 14:39	YP\AJ	Ok
7	PB170578BS	FE056871.D	17 Nov 2025 15:09	YP\AJ	Ok
8	PB170578BSD	FE056872.D	17 Nov 2025 15:39	YP\AJ	Ok
9	Q3638-01	FE056873.D	17 Nov 2025 16:10	YP\AJ	Ok,M
10	Q3638-03	FE056874.D	17 Nov 2025 16:40	YP\AJ	Dilution
11	Q3640-02	FE056875.D	17 Nov 2025 17:10	YP\AJ	Dilution
12	Q3640-03	FE056876.D	17 Nov 2025 17:40	YP\AJ	Dilution
13	Q3641-01	FE056877.D	17 Nov 2025 18:10	YP\AJ	Ok
14	Q3641-02	FE056878.D	17 Nov 2025 18:40	YP\AJ	Ok
15	Q3645-01	FE056879.D	17 Nov 2025 19:10	YP\AJ	Ok
16	Q3645-02	FE056880.D	17 Nov 2025 19:40	YP\AJ	Ok,M
17	Q3646-01	FE056881.D	17 Nov 2025 20:11	YP\AJ	Dilution
18	Q3646-02	FE056882.D	17 Nov 2025 20:41	YP\AJ	Dilution
19	Q3649-06	FE056883.D	17 Nov 2025 21:11	YP\AJ	Ok
20	Q3649-06D	FE056884.D	17 Nov 2025 21:41	YP\AJ	Ok
21	Q3649-06MS	FE056885.D	17 Nov 2025 22:12	YP\AJ	Ok,M

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE111725AL

Review By	rahul	Review On	11/17/2025 3:31:03 PM
Supervise By	Sohil	Supervise On	11/19/2025 3:33:03 PM
SubDirectory	FE111725AL	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	Q3649-06MSD	FE056886.D	17 Nov 2025 22:42	YP\AJ	Ok,M
23	I.BLK	FE056887.D	17 Nov 2025 23:42	YP\AJ	Ok
24	20 PPM ALIPHATIC HC STD	FE056888.D	18 Nov 2025 00:12	YP\AJ	Ok
25	Q3647-01	FE056889.D	18 Nov 2025 01:43	YP\AJ	Ok
26	Q3648-01	FE056890.D	18 Nov 2025 02:13	YP\AJ	Dilution
27	Q3648-02	FE056891.D	18 Nov 2025 02:43	YP\AJ	Dilution
28	I.BLK	FE056892.D	18 Nov 2025 03:44	YP\AJ	Ok
29	20 PPM ALIPHATIC HC STD	FE056893.D	18 Nov 2025 04:14	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE103025AL

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

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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE056573.D	30 Oct 2025 09:19		YP\AJ	Ok
2	I.BLK	I.BLK	FE056574.D	30 Oct 2025 09:49		YP\AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FE056575.D	30 Oct 2025 10:20		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE056576.D	30 Oct 2025 10:50		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056577.D	30 Oct 2025 11:20		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE056578.D	30 Oct 2025 11:51		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE056579.D	30 Oct 2025 12:21		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056580.D	30 Oct 2025 12:51		YP\AJ	Ok
9	I.BLK	I.BLK	FE056581.D	30 Oct 2025 13:21		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056582.D	30 Oct 2025 13:52		YP\AJ	Ok
11	Q3485-01	TR-04-102925	FE056583.D	30 Oct 2025 14:52		YP\AJ	Ok,M
12	Q3485-02	TR-04-102925-E2	FE056584.D	30 Oct 2025 15:23		YP\AJ	Ok,M
13	Q3486-01	TP3	FE056585.D	30 Oct 2025 15:53		YP\AJ	Ok
14	Q3486-02	TP3-E2	FE056586.D	30 Oct 2025 16:25		YP\AJ	Ok
15	Q3486-03	TP4	FE056587.D	30 Oct 2025 16:56	Need 5X, Surrogate fail	YP\AJ	Dilution
16	Q3486-04	TP4-E2	FE056588.D	30 Oct 2025 17:26		YP\AJ	Ok
17	Q3486-06	TP5-E2	FE056589.D	30 Oct 2025 17:57		YP\AJ	Ok
18	Q3486-07	TP6	FE056590.D	30 Oct 2025 18:27	Surrogate fail	YP\AJ	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 # FE111725AL

Review By	rahul	Review On	11/17/2025 3:31:03 PM
Supervise By	Sohil	Supervise On	11/19/2025 3:33:03 PM
SubDirectory	FE111725AL	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	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE056865.D	17 Nov 2025 09:44		YPIAJ	Ok
2	I.BLK	I.BLK	FE056866.D	17 Nov 2025 10:14		YPIAJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056867.D	17 Nov 2025 12:46		YPIAJ	Ok
4	Q3631-02DL	VNJ-202-EPH-2DL	FE056868.D	17 Nov 2025 13:31	Dilution not match	YPIAJ	Not Ok
5	Q3633-01DL	ETGI-369DL	FE056869.D	17 Nov 2025 14:02		YPIAJ	Ok
6	PB170578BL	PB170578BL	FE056870.D	17 Nov 2025 14:39		YPIAJ	Ok
7	PB170578BS	PB170578BS	FE056871.D	17 Nov 2025 15:09		YPIAJ	Ok
8	PB170578BSD	PB170578BSD	FE056872.D	17 Nov 2025 15:39		YPIAJ	Ok
9	Q3638-01	MOO-25-0327	FE056873.D	17 Nov 2025 16:10		YPIAJ	Ok,M
10	Q3638-03	MOO-25-0328	FE056874.D	17 Nov 2025 16:40	Need 10X	YPIAJ	Dilution
11	Q3640-02	LAW-25-0179-0180	FE056875.D	17 Nov 2025 17:10	Need 10X,100X	YPIAJ	Dilution
12	Q3640-03	LAW-25-0182	FE056876.D	17 Nov 2025 17:40	Need 50X	YPIAJ	Dilution
13	Q3641-01	TR-05-111325	FE056877.D	17 Nov 2025 18:10		YPIAJ	Ok
14	Q3641-02	TR-05-111325-E2	FE056878.D	17 Nov 2025 18:40		YPIAJ	Ok
15	Q3645-01	HD-02-11142025	FE056879.D	17 Nov 2025 19:10		YPIAJ	Ok
16	Q3645-02	HD-02-11142025-E2	FE056880.D	17 Nov 2025 19:40		YPIAJ	Ok,M
17	Q3646-01	SU-03-11142025	FE056881.D	17 Nov 2025 20:11	Need 5X	YPIAJ	Dilution
18	Q3646-02	SU-03-11142025-E2	FE056882.D	17 Nov 2025 20:41	Need 5X	YPIAJ	Dilution

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE111725AL

Review By	rahul	Review On	11/17/2025 3:31:03 PM
Supervise By	Sohil	Supervise On	11/19/2025 3:33:03 PM
SubDirectory	FE111725AL	HP Acquire Method	HP Processing Method
			FE103025AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q3649-06	B4-0.0-0.5-20251114	FE056883.D	17 Nov 2025 21:11		YP\AJ	Ok
20	Q3649-06D	Q3649-06D	FE056884.D	17 Nov 2025 21:41		YP\AJ	Ok
21	Q3649-06MS	B4-0.0-0.5-20251114MS	FE056885.D	17 Nov 2025 22:12	FE056883.D	YP\AJ	Ok,M
22	Q3649-06MSD	B4-0.0-0.5-20251114MS	FE056886.D	17 Nov 2025 22:42	FE056883.D\FE056885.D	YP\AJ	Ok,M
23	I.BLK	I.BLK	FE056887.D	17 Nov 2025 23:42		YP\AJ	Ok
24	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056888.D	18 Nov 2025 00:12		YP\AJ	Ok
25	Q3647-01	VNJ-212	FE056889.D	18 Nov 2025 01:43		YP\AJ	Ok
26	Q3648-01	OR-02-111425	FE056890.D	18 Nov 2025 02:13	Need 5X	YP\AJ	Dilution
27	Q3648-02	OR-02-111425-E2	FE056891.D	18 Nov 2025 02:43	Need 10X	YP\AJ	Dilution
28	I.BLK	I.BLK	FE056892.D	18 Nov 2025 03:44		YP\AJ	Ok
29	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056893.D	18 Nov 2025 04:14		YP\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 11/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 11/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:27
Out Date: 11/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137900

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
Q3635-01	40635	1	1.00	1.00	2.00	2.00	100.0	debris
Q3635-02	40617	2	1.00	1.00	2.00	2.00	100.0	oil sample
Q3636-01	AUD-25-0114	3	1.15	10.21	11.36	10.28	89.4	
Q3637-01	BUR-25-0100	4	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3637-02	BUR-25-0100	5	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3638-01	MOO-25-0327	6	1.17	10.24	11.41	6.36	50.7	
Q3638-03	MOO-25-0328	7	1.16	10.37	11.53	10.94	94.3	
Q3639-01	L66A	8	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-02	L66B	9	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-03	L67A	10	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-04	L67B	11	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-05	L68A	12	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-06	L68B	13	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-07	L69A	14	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-08	L69B	15	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-09	L70A	16	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-10	L70B	17	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-11	L71A	18	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-12	L71B	19	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-13	L72A	20	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-14	L72B	21	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-15	STG15-1-1	22	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-16	STG15-1-2	23	1.00	1.00	2.00	2.00	100.0	PILC
Q3640-01	LAW-25-0179	24	1.14	10.16	11.3	9.4	81.3	
Q3640-02	LAW-25-0179-0180	25	1.19	10.47	11.66	10.81	91.9	
Q3640-03	LAW-25-0182	26	1.18	10.35	11.53	10.62	91.2	
Q3641-01	TR-05-111325	27	1.11	10.23	11.34	10.74	94.1	
Q3641-01D	TR-05-111325DUP	28	1.14	10.21	11.35	10.75	94.1	



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 11/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 11/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:27
Out Date: 11/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137900

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
Q3641-02	TR-05-111325-E2	29	1.14	10.73	11.87	11.44	96.0	
Q3643-05	SVOC-GPC-BLANK	37	1.00	1.00	2.00	2.00	100.0	
Q3643-06	PEST-GPC-BLANK	38	1.00	1.00	2.00	2.00	100.0	
Q3643-07	PEST-GPC-BLANK-SPIKE	39	1.00	1.00	2.00	2.00	100.0	
Q3643-08	SVOC-GPC2-BLANK	40	1.00	1.00	2.00	2.00	100.0	
Q3643-09	PEST-GPC2-BLANK	41	1.00	1.00	2.00	2.00	100.0	
Q3643-10	PEST -GPC2-BLANK-SPIKE	42	1.00	1.00	2.00	2.00	100.0	
Q3645-01	HD-02-11142025	30	1.18	10.50	11.68	11.02	93.7	
Q3645-02	HD-02-11142025-E2	31	1.19	10.43	11.62	10.75	91.7	
Q3646-01	SU-03-11142025	32	1.11	10.26	11.37	10.38	90.4	
Q3646-02	SU-03-11142025-E2	33	1.18	11.13	12.31	11.35	91.4	
Q3647-01	VNJ-212	34	1.18	10.39	11.57	11.07	95.2	
Q3648-01	OR-02-111425	35	1.17	10.59	11.76	10.75	90.5	
Q3648-02	OR-02-111425-E2	36	1.14	10.78	11.92	10.96	91.1	
Q3649-01	B5-0.0-0.5-20251114	43	1.14	10.38	11.52	10.54	90.6	
Q3649-02	B5-0.5-1.0-20251114	44	1.16	10.61	11.77	10.8	90.9	
Q3649-03	DUPE-0.0-0.5-20251114	45	1.19	10.18	11.37	10.00	86.5	
Q3649-04	DUPE-0.5-1.0-20251114	46	1.11	10.07	11.18	10.04	88.7	
Q3649-05	B4-0.05-1.0-20251114	47	1.19	10.57	11.76	10.7	90.0	
Q3649-06	B4-0.0-0.5-20251114	48	1.14	10.54	11.68	10.77	91.4	
Q3649-07	B4-0.0-0.5-20251114	49	1.14	10.54	11.68	10.77	91.4	
Q3649-08	B3-0.0-0.5-20251114	50	1.16	10.61	11.77	10.28	86.0	
Q3649-09	B3-0.5-1.0-20251114	51	1.13	10.45	11.58	10.45	89.2	

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

WORKLIST(Hardcopy Internal Chain)

137900

WorkList Name : %1-111425 WorkList ID : 193119 Department : Wet-Chemistry Date : 11-14-2025 09:33:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3635-01	40635	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3635-02	40617	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3636-01	AUD-25-0114	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3637-01	BUR-25-0100	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3637-02	BUR-25-0100	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3638-01	MOO-25-0327	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3638-03	MOO-25-0328	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-01	L66A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-02	L66B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-03	L67A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-04	L67B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-05	L68A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-06	L68B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-07	L69A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-08	L69B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-09	L70A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-10	L70B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-11	L71A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-12	L71B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-13	L72A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-14	L72B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO

Date/Time: 11-14-25 15:25
 Raw Sample Received by: SAUCI
 Raw Sample Relinquished by: [Signature]
 Date/Time: 11-14-25 15:40
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

127900

WorkList Name : %1-111425

WorkList ID : 193119

Department : Wet-Chemistry

Date : 11-14-2025 09:33:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3639-15	STG15-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-16	STG15-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3640-01	LAW-25-0179	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3640-02	LAW-25-0179-0180	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3640-03	LAW-25-0182	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3641-01	TR-05-111325	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/13/2025	Chemtech -SO
Q3641-02	TR-05-111325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/13/2025	Chemtech -SO
Q3643-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3643-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3643-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3643-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3643-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3643-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3645-01	HD-02-11142025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	11/14/2025	Chemtech -SO
Q3645-02	HD-02-11142025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	11/14/2025	Chemtech -SO
Q3646-01	SU-03-11142025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	11/14/2025	Chemtech -SO
Q3646-02	SU-03-11142025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	11/14/2025	Chemtech -SO
Q3647-01	VNJ-212	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/14/2025	Chemtech -SO
Q3648-01	OR-02-111425	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/14/2025	Chemtech -SO
Q3648-02	OR-02-111425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/14/2025	Chemtech -SO
Q3649-01	B5-0-0-0-5-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO

Date/Time 11-14-25 15:25
 Raw Sample Received by: SO WOLF SM
 Raw Sample Relinquished by: SO WOLF SM

Date/Time 11-14-25 17:40
 Raw Sample Received by: SO WOLF SM
 Raw Sample Relinquished by: SO WOLF SM

WORKLIST(Hardcopy Internal Chain)

JB 137900

WorkList Name : %1-111425

WorkList ID : 193119

Department : Wet-Chemistry

Date : 11-14-2025 09:33:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3649-02	B5-0.5-1.0-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO
Q3649-03	DUPE-0.0-0.5-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO
Q3649-04	DUPE-0.5-1.0-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO
Q3649-05	B4-0.05-1.0-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO
Q3649-06	B4-0.0-0.5-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO
Q3649-07	B4-0.0-0.5-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO
Q3649-08	B3-0.0-0.5-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO
Q3649-09	B3-0.5-1.0-20251114	Solid	Percent Solids	Cool 4 deg C	HDR108	D41	11/14/2025	Chemtech -SO

Date/Time 11-14-25 15:25
 Raw Sample Received by: JB wgy
 Raw Sample Relinquished by: JB wgy

Date/Time 11-14-25 17:40
 Raw Sample Received by: JB wgy
 Raw Sample Relinquished by: JB wgy

SOP ID: MNJDEP-EPH-8

Clean Up SOP #: N/A

Matrix: Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 11/17/2025

Extraction Start Time: 10:03

Extraction End Date: 11/17/2025

Extraction End Time: 14:10

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
Fractionation Surrogate	1.0ML	100 PPM	PP24994
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2659
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Hexane	N/A	E3984
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: N-EVAP-02

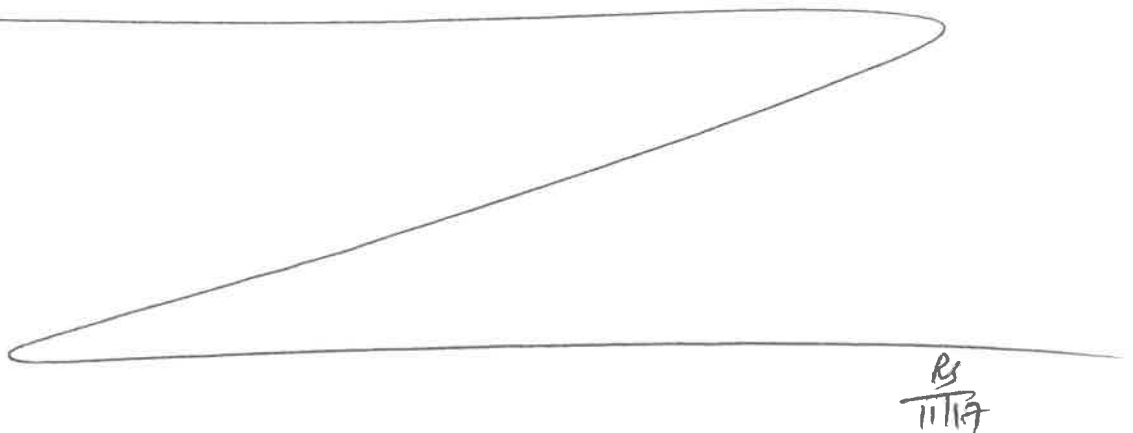
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/17/25		RC/Rest PCB
14:15	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-8

Concentration Date: 11/17/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170578BL	PB170578BL	EPH_NF	30.02	N/A	ritesh	Evelyn	2			U6-1
PB170578BS	PB170578BS	EPH_NF	30.03	N/A	ritesh	Evelyn	2			2
PB170578BSD	PB170578BSD	EPH_NF	30.01	N/A	ritesh	Evelyn	2			3
Q3638-01	MOO-25-0327	EPH_NF	30.04	N/A	ritesh	Evelyn	2	E	Small Particles	4
Q3638-03	MOO-25-0328	EPH_NF	30.02	N/A	ritesh	Evelyn	2	E	Small Particles	5
Q3640-02	LAW-25-0179-0180	EPH_NF	30.07	N/A	ritesh	Evelyn	2	A		6
Q3640-03	LAW-25-0182	EPH_NF	30.03	N/A	ritesh	Evelyn	2	E	Small Particles	U1-1
Q3641-01	TR-05-111325	EPH_NF	30.05	N/A	ritesh	Evelyn	2	E		2
Q3641-02	TR-05-111325-E2	EPH_NF	30.01	N/A	ritesh	Evelyn	2			3
Q3645-01	HD-02-11142025	EPH_NF	30.06	N/A	ritesh	Evelyn	2	E		4
Q3645-02	HD-02-11142025-E2	EPH_NF	30.09	N/A	ritesh	Evelyn	2			5
Q3646-01	SU-03-11142025	EPH_NF	30.05	N/A	ritesh	Evelyn	2	E		6
Q3646-02	SU-03-11142025-E2	EPH_NF	30.02	N/A	ritesh	Evelyn	2			U2-1
Q3647-01	VNJ-212	EPH_NF	30.04	N/A	ritesh	Evelyn	2	E	Concrete	2
Q3648-01	OR-02-111425	EPH_NF	30.02	N/A	ritesh	Evelyn	2	E		3
Q3648-02	OR-02-111425-E2	EPH_NF	30.03	N/A	ritesh	Evelyn	2			4
Q3649-06	B4-0.0-0.5-20251114	EPH_NF	30.08	N/A	ritesh	Evelyn	2	B		5
Q3649-06DUP	B4-0.0-0.5-20251114DUP	EPH_NF	30.06	N/A	ritesh	Evelyn	2	B		6
Q3649-06MS	B4-0.0-0.5-20251114MS	EPH_NF	30.01	N/A	ritesh	Evelyn	2	B		U3-1
Q3649-06MSD	B4-0.0-0.5-20251114MSD	EPH_NF	30.05	N/A	ritesh	Evelyn	2	B		2



WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3648 WorkList ID : 193149 Department : Extraction Date : 11-17-2025 09:02:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3638-01	MOO-25-0327	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	11/13/2025	NJEPH
Q3638-03	MOO-25-0328	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	11/13/2025	NJEPH
Q3640-02	LAW-25-0179-0180	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	11/13/2025	NJEPH
Q3640-03	LAW-25-0182	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	11/13/2025	NJEPH
Q3641-01	TR-05-111325	Solid	EPH_NF	Cool 4 deg C	PSEG05	D41	11/13/2025	NJEPH
Q3641-02	TR-05-111325-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	D41	11/13/2025	NJEPH
Q3645-01	HD-02-11142025	Solid	EPH_NF	Cool 4 deg C	PSEG05	D51	11/14/2025	NJEPH
Q3645-02	HD-02-11142025-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	D51	11/14/2025	NJEPH
Q3646-01	SU-03-11142025	Solid	EPH_NF	Cool 4 deg C	PSEG05	D31	11/14/2025	NJEPH
Q3646-02	SU-03-11142025-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	D31	11/14/2025	NJEPH
Q3647-01	VNJ-212	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	11/14/2025	NJEPH
Q3648-01	OR-02-111425	Solid	EPH_NF	Cool 4 deg C	PSEG05	D41	11/14/2025	NJEPH
Q3648-02	OR-02-111425-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	D41	11/14/2025	NJEPH
Q3649-06	B4-0.0-0.5-20251114	Solid	EPH_NF	Cool 4 deg C	HDR108	D41	11/14/2025	NJEPH

Date/Time 11/17/25 10:00
 Raw Sample Received by: RJ (Ext 66)
 Raw Sample Relinquished by: Op 8

Date/Time 11/17/25
 Raw Sample Received by: Op 8
 Raw Sample Relinquished by: RJ (Ext 66)



SHIPPING DOCUMENTS

CLIENT INFORMATION

COMPANY: HDR
REPORT TO BE SENT TO:
ADDRESS: 50 Tice Blvd Suite 210
CITY: Woodcliff Lake STATE: NJ ZIP: 07677
ATTENTION: Andrew Wadden
PHONE: 201-312-0752 FAX: N/A

CLIENT PROJECT INFORMATION

PROJECT NAME: PVWL
PROJECT NO.: 10367568 LOCATION: Cliffon, NJ
PROJECT MANAGER: Andrew Wadden
e-mail: Andrew.Wadden@HDRInc.com
PHONE: 201-312-0752 FAX: N/A

CLIENT BILLING INFORMATION

BILL TO: HDR PO#:
ADDRESS: 50 Tice Blvd Suite 210
CITY: Woodcliff Lake STATE: NJ ZIP: 07677
ATTENTION: Andrew Wadden PHONE: 201-312-0752

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard SAT _____ DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1. TCL VOCs
2. TCLSVOCs
3. Petroleum Hydrocarbons
4. PCBs
5. PAHs
6. Metals
7. Chlorinated Hydrocarbons
8. Organophosphorus
9. Pesticides
10. Other

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E	F	E	E	E	E	E	E	E	← Specify Preservatives	
1.	B5-0.0-0.5-20251114	S		X	11/14/25	1030	3		X	X	X						A-HCl	D-NaOH
2.	B5-0.5-1.0-20251114			X		1035	4	X									B-HNO3	E-ICE
3.	Pure-0.0-0.5-20251114			X		1230	3		X	X	X						C-H2SO4	F-OTHER
4.	Pure-0.5-1.0-20251114			X		1220	4	X										
5.	B4-0.05-1.0-20251114			X		1215	4	X										
6.	B4-0.0-0.5-20251114			X		1225	6		X	X	X	X	X	X	X	X		
7.	B3-0.0-0.5-20251114			X		1400	3		X	X	X							
8.	B3-0.5-1.0-20251114			X		1355	4	X										
9.				X														
10.				X														

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. [Signature] DATE/TIME: 11/14/25 1420 RECEIVED BY: 1. [Signature] 11/14/25 1420
RELINQUISHED BY SAMPLER: 2. [Signature] DATE/TIME: RECEIVED BY: 2. [Signature]
RELINQUISHED BY SAMPLER: 3. [Signature] DATE/TIME: 11-14-25 1500 RECEIVED BY: 3. [Signature]

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.9 °C
Comments:

Page ____ of CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3649	HDRIO8	Order Date : 11/14/2025 3:02:13 PM	Project Mgr :
Client Name : HDR, Inc.		Project Name : PVWC Linear Construction	Report Type : NJ Reduced
Client Contact : Andrew Wadden		Receive DateTime : 11/14/2025 3:00:00 PM	EDD Type : Excel NJ
Invoice Name : HDR, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Andrew Wadden			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3649-02	B5-0.5-1.0-20251114	Solid	11/14/2025	10:35					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3649-04	DUPE-0.5-1.0-20251114	Solid	11/14/2025	12:20					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3649-05	B4-0.05-1.0-20251114	Solid	11/14/2025	12:15					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3649-09	B3-0.5-1.0-20251114	Solid	11/14/2025	13:55					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Technotes

Relinquished By :

Date / Time :

[Signature]
11-14-25 1550

Received By :

Date / Time :

[Signature]
11-14-25

15:50

Storage Area : VOA Refridgerator Room

*Stored in rva
E8202 & ref # 06 (1)*