



SAMPLE DATA



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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B8-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.05 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/28/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	28.4		1	1.38	2.34	mg/kg	FE056540.D	10/28/25 15:24	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	6.97		1	1.06	4.68	mg/kg	FE056540.D	10/28/25 15:24	PB170266
Total AliphaticEPH	Total AliphaticEPH	35.4			2.44	7.02	mg/kg			
Total EPH	Total EPH	35.4			2.44	7.02	mg/kg			

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B8-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.05 g	Final Vol:	2000 uL
Prep Method :		Prep Date	10/28/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	6.97	1		1.06	4.68	mg/kg	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	28.4	1		1.38	2.34	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.8			40 - 140	54%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	26.0			40 - 140	52%	SPK: 50		



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3466-02	Acq On:	28 Oct 2025 15:24
Client Sample ID:	B8-0.0-1.0-20251023	Operator:	YP\AJ
Data file:	FE056540.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	3.240	6.866	418631	2.536	300	ug/ml
Aliphatic C12-C16	6.867	10.314	1625526	9.531	200	ug/ml
Aliphatic C16-C21	10.315	13.690	8054238	45.087	300	ug/ml
Aliphatic C21-C28	13.691	17.361	5752880	32.123	400	ug/ml
Aliphatic C28-C40	17.362	22.315	50437749	363.377	600	ug/ml
Aliphatic EPH	3.240	22.315	66289024	452.654		ug/ml
ortho-Terphenyl (SURR)	11.986	11.986	5304696	25.97		ug/ml
1-chlorooctadecane (SURR)	13.426	13.426	4090797	26.81		ug/ml
Aliphatic C9-C28	3.240	17.361	15851275	89.277	1200	ug/ml

Report of Analysis

Client:	HDR, Inc.	Date Collected:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B9-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.2
Sample Wt/Vol:	30.01 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/28/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	7.88		1	1.42	2.40	mg/kg	FE056554.D	10/29/25 8:05	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	6.17		1	1.09	4.80	mg/kg	FE056554.D	10/29/25 8:05	PB170266
Total AliphaticEPH	Total AliphaticEPH	14.1			2.51	7.20	mg/kg			
Total EPH	Total EPH	14.1			2.51	7.20	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.

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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:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B9-0.0-1.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.2
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL
Prep Method :		Prep Date	10/28/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	6.17	1		1.09	4.80	mg/kg	10/29/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	7.88	1		1.42	2.40	mg/kg	10/29/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	28.4			40 - 140	57%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	37.1			40 - 140	74%	SPK: 50		



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3466-05	Acq On:	29 Oct 2025 08:05
Client Sample ID:	B9-0.0-1.0-20251023	Operator:	YP\AJ
Data file:	FE056554.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.236	6.863	382413	2.317	300	ug/ml
Aliphatic C12-C16	6.864	10.312	743348	4.359	200	ug/ml
Aliphatic C16-C21	10.313	13.688	9207483	51.543	300	ug/ml
Aliphatic C21-C28	13.689	17.359	3373579	18.837	400	ug/ml
Aliphatic C28-C40	17.360	22.313	13649036	98.334	600	ug/ml
Aliphatic EPH	3.236	22.313	27355859	175.389		ug/ml
ortho-Terphenyl (SURR)	11.988	11.988	7578616	37.1		ug/ml
1-chlorooctadecane (SURR)	13.425	13.425	4326349	28.35		ug/ml
Aliphatic C9-C28	3.236	17.359	13706823	77.056	1200	ug/ml

Report of Analysis

Client: HDR, Inc.	Date Collected: 10/23/25	
Project: PVWC Linear Construction	Date Received: 10/24/25	
Client Sample ID: B7-1.0-2.0-20251023	SDG No.: Q3466	
Lab Sample ID: Q3466-07	Matrix: Solid	
Analytical Method: NJEPH	% Solid: 89.2	
Sample Wt/Vol: 30.06 g	Test: EPH_NF	Final Vol: 2000 uL
Prep Method :		Prep Date : 10/28/25

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	1.32	2.24	mg/kg	FE056542.D	10/28/25 16:25	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	3.02	J	1	1.02	4.48	mg/kg	FE056542.D	10/28/25 16:25	PB170266
Total AliphaticEPH	Total AliphaticEPH	23.5			2.34	6.72	mg/kg			
Total EPH	Total EPH	23.5			2.34	6.72	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:	10/23/25
Project:	PVWC Linear Construction	Date Received:	10/24/25
Client Sample ID:	B7-1.0-2.0-20251023	SDG No.:	Q3466
Lab Sample ID:	Q3466-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.06 g	Final Vol:	2000 uL
Prep Method :		Prep Date	10/28/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	3.02	J	1	1.02	4.48	mg/kg	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	20.5		1	1.32	2.24	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	21.2			40 - 140	42%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	20.7			40 - 140	41%	SPK: 50		



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3466-07	Acq On:	28 Oct 2025 16:25
Client Sample ID:	B7-1.0-2.0-20251023	Operator:	YP\AJ
Data file:	FE056542.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.240	6.866	334870	2.029	300	ug/ml
Aliphatic C12-C16	6.867	10.314	579148	3.396	200	ug/ml
Aliphatic C16-C21	10.315	13.690	4153536	23.251	300	ug/ml
Aliphatic C21-C28	13.691	17.361	2502753	13.975	400	ug/ml
Aliphatic C28-C40	17.362	22.315	38194393	275.17	600	ug/ml
Aliphatic EPH	3.240	22.315	45764700	317.821		ug/ml
ortho-Terphenyl (SURR)	11.985	11.985	4232130	20.72		ug/ml
1-chlorooctadecane (SURR)	13.425	13.425	3240916	21.24		ug/ml
Aliphatic C9-C28	3.240	17.361	7570307	42.651	1200	ug/ml



QC SUMMARY



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SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: HDRI08
Lab Code: ACE SDG No.: Q3466
Run Number: FC102825AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB170266BL	76	74		0
PB170266BS	78	75		0
PB170266BSD	81	77		0
TP-13MS	60	56		0
TP-13MSD	62	58		0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

D Surrogate diluted out

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: HDRI08
Lab Code: ACE SDG No.: Q3466
Run Number: FE102825AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
B8-0.0-1.0-20251023	54	52		0
B7-1.0-2.0-20251023	42	41		0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

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

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: HDRI08
Lab Code: ACE SDG No.: Q3466
Run Number: FE102925AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)	TOT OUT
B9-0.0-1.0-20251023	57	74	0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

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

SOIL EPH SURROGATE RECOVERY

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

D Surrogate diluted out

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>HDR, Inc.</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3466</u>
Sample No :	<u>Q3469-01MS</u>	Datafile:	<u>FC070065.D</u>
		Client ID :	<u>TP-13MS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	32.9	4.96	27.5	68		(40-140)
Aliphatic C9-C28	109.6	3.38	61.2	53		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
n-Nonane (C9)	3.7	0.0031	1.6750	45		(40-140)
n-Decane (C10)	3.7	0.0092	3.9220	106		(40-140)
Naphthalene (C11.7)	3.7	0.0145	2.1382	57		(40-140)
n-Dodecane (C12)	3.7	0.0033	1.9778	53		(40-140)
2-methylnaphthalene (C12.89)	3.7	0.0063	2.0784	56		(40-140)
n-Tetradecane (C14)	3.7	0.0107	2.1359	57		(40-140)
n-Hexadecane (C16)	3.7	0.0057	2.1631	58		(40-140)
n-Octadecane (C18)	3.7	0.0055	2.1524	58		(40-140)
n-Eicosane (C20)	3.7	0.0064	2.2529	61		(40-140)
n-Heneicosane (C21)	3.7	0.0100	2.2783	61		(40-140)
n-Docosane (C22)	3.7	0.0113	2.2582	61		(40-140)
n-Tetracosane (C24)	7.3	0.0422	6.6772	91		(40-140)
n-Hexacosane (C26)	3.7	0.0165	2.1813	59		(40-140)
n-Octacosane (C28)	3.7	0.0471	2.2362	59		(40-140)
n-Tricontane (C30)	3.7	0.0712	2.1325	56		(40-140)
n-Dotriacontane (C32)	3.7	0.1018	2.2041	57		(40-140)
n-Tetratriacontane (C34)	3.7	0.1178	2.4596	63		(40-140)
n-Hexatriacontane (C36)	3.7	0.2506	2.8854	71		(40-140)
n-Octatriacontane (C38)	3.7	0.2830	3.1235	77		(40-140)
n-Tetracontane (C40)	3.7	0.2191	3.1332	79		(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>Q3466</u>
Sample No :	<u>Q3469-01MSD</u>	Datafile:	<u>FC070066.D</u>
		Client ID :	<u>TP-13MSD</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	32.9	4.96	28.1	70		2.59 (40-140) 50
Aliphatic C9-C28	109.6	3.38	62.6	54		2.2 (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)	3.7	0.0031	1.7365	47		4.35 (40-140) 50
n-Decane (C10)	3.7	0.0092	4.0690	110		3.7 (40-140) 50
Naphthalene (C11.7)	3.7	0.0145	2.1994	59		3.45 (40-140) 50
n-Dodecane (C12)	3.7	0.0033	2.0541	55		3.7 (40-140) 50
2-methylnaphthalene (C12.89)	3.7	0.0063	2.1360	58		3.51 (40-140) 50
n-Tetradecane (C14)	3.7	0.0107	2.2108	59		3.45 (40-140) 50
n-Hexadecane (C16)	3.7	0.0057	2.2250	60		3.39 (40-140) 50
n-Octadecane (C18)	3.7	0.0055	2.2091	60		3.39 (40-140) 50
n-Eicosane (C20)	3.7	0.0064	2.3083	62		1.63 (40-140) 50
n-Heneicosane (C21)	3.7	0.0100	2.3318	63		3.23 (40-140) 50
n-Docosane (C22)	3.7	0.0113	2.3080	62		1.63 (40-140) 50
n-Tetracosane (C24)	7.3	0.0422	4.5284	61		39.47 (40-140) 50
n-Hexacosane (C26)	3.7	0.0165	2.2292	60		1.68 (40-140) 50
n-Octacosane (C28)	3.7	0.0471	2.2840	60		1.68 (40-140) 50
n-Tricontane (C30)	3.7	0.0712	2.1840	57		1.77 (40-140) 50
n-Dotriacontane (C32)	3.7	0.1018	2.2614	58		1.74 (40-140) 50
n-Tetratriacontane (C34)	3.7	0.1178	2.5171	65		3.13 (40-140) 50
n-Hexatriacontane (C36)	3.7	0.2506	2.9192	72		1.4 (40-140) 50
n-Octatriacontane (C38)	3.7	0.2830	3.1679	78		1.29 (40-140) 50
n-Tetracontane (C40)	3.7	0.2191	3.2195	81		2.5 (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>Q3466</u>
Sample No :	<u>PB170266BS</u>	Datafile:	<u>FC070061.D</u>
		Client ID :	<u>PB170266BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	30.0	28.0	93		(40-140)
Aliphatic C9-C28	99.9	68.7	69		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	3.3	2.25552	68		(40-140)
n-Decane (C10)	3.3	2.34385	71		(40-140)
Naphthalene (C11.7)	3.3	2.53598	77		(40-140)
n-Dodecane (C12)	3.3	2.44856	74		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.47994	75		(40-140)
n-Tetradecane (C14)	3.3	2.55049	77		(40-140)
n-Hexadecane (C16)	3.3	2.54647	77		(40-140)
n-Octadecane (C18)	3.3	2.53084	77		(40-140)
n-Eicosane (C20)	3.3	2.69875	82		(40-140)
n-Heneicosane (C21)	3.3	2.66821	81		(40-140)
n-Docosane (C22)	3.3	2.63257	80		(40-140)
n-Tetracosane (C24)	6.7	5.01553	75		(40-140)
n-Hexacosane (C26)	3.3	2.56319	78		(40-140)
n-Octacosane (C28)	3.3	2.54539	77		(40-140)
n-Tricontane (C30)	3.3	2.55395	77		(40-140)
n-Dotriacontane (C32)	3.3	2.63521	80		(40-140)
n-Tetratriacontane (C34)	3.3	3.02789	92		(40-140)
n-Hexatriacontane (C36)	3.3	3.34275	101		(40-140)
n-Octatriacontane (C38)	3.3	3.82757	116		(40-140)
n-Tetracontane (C40)	3.3	3.97533	120		(40-140)

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>Q3466</u>
Sample No :	<u>PB170266BSD</u>	Datafile:	<u>FC070062.D</u>
		Client ID :	<u>PB170266BSD</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%) QC Limit Of RPD
Aliphatic C28-C40	30.0	28.8	96		2.8 (40-140) 25
Aliphatic C9-C28	99.9	70.8	71		3 (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	2.32995	71		4.32 (40-140) 25
n-Decane (C10)	3.3	2.42819	74		4.14 (40-140) 25
Naphthalene (C11.7)	3.3	2.61804	79		2.56 (40-140) 25
n-Dodecane (C12)	3.3	2.54076	77		3.97 (40-140) 25
2-methylnaphthalene (C12.89)	3.3	2.55783	78		3.92 (40-140) 25
n-Tetradecane (C14)	3.3	2.65714	81		5.06 (40-140) 25
n-Hexadecane (C16)	3.3	2.65385	80		3.82 (40-140) 25
n-Octadecane (C18)	3.3	2.63803	80		3.82 (40-140) 25
n-Eicosane (C20)	3.3	2.81023	85		3.59 (40-140) 25
n-Heneicosane (C21)	3.3	2.77478	84		3.64 (40-140) 25
n-Docosane (C22)	3.3	2.73499	83		3.68 (40-140) 25
n-Tetracosane (C24)	6.7	5.15029	77		2.63 (40-140) 25
n-Hexacosane (C26)	3.3	2.64638	80		2.53 (40-140) 25
n-Octacosane (C28)	3.3	2.62971	80		3.82 (40-140) 25
n-Tricontane (C30)	3.3	2.64328	80		3.82 (40-140) 25
n-Dotriacontane (C32)	3.3	2.73376	83		3.68 (40-140) 25
n-Tetratriacontane (C34)	3.3	3.14251	95		3.21 (40-140) 25
n-Hexatriacontane (C36)	3.3	3.45412	105		3.88 (40-140) 25
n-Octatriacontane (C38)	3.3	3.91055	119		2.55 (40-140) 25
n-Tetracontane (C40)	3.3	4.04431	123		2.47 (40-140) 25

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB170266BL

Lab Name: Alliance

Contract: HDRI08

Lab Code: ACE

SDG NO.: Q3466

Instrument ID: FID_C

Lab Sample ID: PB170266BL

Matrix: (soil/water) Solid

Date Extracted: 10/28/2025 9:05:00

Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB170266BS	PB170266BS
PB170266BSD	PB170266BSD
B8-0.0-1.0-20251023	Q3466-02
B9-0.0-1.0-20251023	Q3466-05
B7-1.0-2.0-20251023	Q3466-07
TP-13MS	Q3469-01MS
TP-13MSD	Q3469-01MSD

COMMENTS: _____



QC SAMPLE DATA



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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170266BL	SDG No.:	Q3466
Lab Sample ID:	PB170266BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/28/25

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	FC070060.D	10/28/25 13:19	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FC070060.D	10/28/25 13:19	PB170266
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg			
Total EPH	Total EPH	2.09	U		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



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Fax : 908 789 8922

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170266BL	SDG No.:	Q3466
Lab Sample ID:	PB170266BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
		Prep Date	10/28/25

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	4.00	mg/kg	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	38.0			40 - 140	76%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	37.2			40 - 140	74%	SPK: 50		



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170266BL	Acq On:	28 Oct 2025 13:19
Client Sample ID:	PB170266BL	Operator:	YP/AJ
Data file:	FC070060.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.572	0	0	300	ug/ml
Aliphatic C12-C16	6.573	9.973	0	0	200	ug/ml
Aliphatic C16-C21	9.974	13.340	0	0	300	ug/ml
Aliphatic C21-C28	13.341	17.005	0	0	400	ug/ml
Aliphatic C28-C40	17.006	21.959	0	0	600	ug/ml
Aliphatic EPH	3.277	21.959	0	0		ug/ml
ortho-Terphenyl (SURR)	11.642	11.642	6533927	37.21		ug/ml
1-chlorooctadecane (SURR)	13.077	13.077	5156082	37.98		ug/ml
Aliphatic C9-C28	3.277	17.005	0	0	1200	ug/ml



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Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170266BS	SDG No.:	Q3466
Lab Sample ID:	PB170266BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/28/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	28.0		1	1.18	2.00	mg/kg	FC070061.D	10/28/25 13:58	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	68.7		1	0.91	3.99	mg/kg	FC070061.D	10/28/25 13:58	PB170266
Total AliphaticEPH	Total AliphaticEPH	96.7			2.09	5.99	mg/kg			
Total EPH	Total EPH	96.7			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



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170266BS	SDG No.:	Q3466
Lab Sample ID:	PB170266BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL
Prep Method :		Prep Date	10/28/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	68.7	1		0.91	3.99	mg/kg	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	28.0	1		1.18	2.00	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	38.9			40 - 140	78%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	37.5			40 - 140	75%	SPK: 50		



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170266BS	Acq On:	28 Oct 2025 13:58
Client Sample ID:	PB170266BS	Operator:	YP/AJ
Data file:	FC070061.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.572	27086070	187.078	300	ug/ml
Aliphatic C12-C16	6.573	9.973	38554021	235.398	200	ug/ml
Aliphatic C16-C21	9.974	13.340	43992052	271.647	300	ug/ml
Aliphatic C21-C28	13.341	17.005	49567846	336.87	400	ug/ml
Aliphatic C28-C40	17.006	21.959	45168703	419.784	600	ug/ml
Aliphatic EPH	3.277	21.959	204368692	1450		ug/ml
ortho-Terphenyl (SURR)	11.643	11.643	6583185	37.49		ug/ml
1-chlorooctadecane (SURR)	13.076	13.076	5277309	38.88		ug/ml
Aliphatic C9-C28	3.277	17.005	159199989	1030	1200	ug/ml

Report of Analysis

Client: HDR, Inc.		Date Collected:
Project: PVWC Linear Construction		Date Received:
Client Sample ID: PB170266BSD		SDG No.: Q3466
Lab Sample ID: PB170266BSD		Matrix: Solid
Analytical Method: NJEPH		% Solid: 100
Sample Wt/Vol: 30.02 g	Final Vol: 2000 uL	Test: EPH_NF
Prep Method :	Prep Date : 10/28/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	28.8		1	1.18	2.00	mg/kg	FC070062.D	10/28/25 14:38	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	70.8		1	0.91	3.99	mg/kg	FC070062.D	10/28/25 14:38	PB170266
Total AliphaticEPH	Total AliphaticEPH	99.6			2.09	5.99	mg/kg			
Total EPH	Total EPH	99.6			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



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Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	PB170266BSD	SDG No.:	Q3466
Lab Sample ID:	PB170266BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL
Prep Method :		Prep Date	10/28/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	70.8	1		0.91	3.99	mg/kg	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	28.8	1		1.18	2.00	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	40.4			40 - 140	81%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	38.7			40 - 140	77%	SPK: 50		



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170266BSD	Acq On:	28 Oct 2025 14:38
Client Sample ID:	PB170266BSD	Operator:	YP/AJ
Data file:	FC070062.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.572	28002737	193.409	300	ug/ml
Aliphatic C12-C16	6.573	9.973	39866210	243.41	200	ug/ml
Aliphatic C16-C21	9.974	13.340	45355285	280.065	300	ug/ml
Aliphatic C21-C28	13.341	17.005	50818993	345.373	400	ug/ml
Aliphatic C28-C40	17.006	21.959	46536620	432.497	600	ug/ml
Aliphatic EPH	3.277	21.959	210579845	1490		ug/ml
ortho-Terphenyl (SURR)	11.643	11.643	6788843	38.66		ug/ml
1-chlorooctadecane (SURR)	13.078	13.078	5478491	40.36		ug/ml
Aliphatic C9-C28	3.277	17.005	164043225	1060	1200	ug/ml

Report of Analysis

Client: HDR, Inc.		Date Collected:
Project: PVWC Linear Construction		Date Received:
Client Sample ID: TP-13MS		SDG No.: Q3466
Lab Sample ID: Q3469-01MS		Matrix: Solid
Analytical Method: NJEPH		% Solid: 91.1
Sample Wt/Vol: 30.03 g	Final Vol: 2000 uL	Test: EPH_NF
Prep Method :	Prep Date : 10/28/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	27.5		1	1.29	2.19	mg/kg	FC070065.D	10/28/25 16:39	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	61.2		1	1.00	4.39	mg/kg	FC070065.D	10/28/25 16:39	PB170266
Total AliphaticEPH	Total AliphaticEPH	88.7			2.29	6.58	mg/kg			
Total EPH	Total EPH	88.7			2.29	6.58	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



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Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	TP-13MS	SDG No.:	Q3466
Lab Sample ID:	Q3469-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL
Prep Method :		Prep Date	10/28/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	61.2	1		1.00	4.39	mg/kg	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	27.5	1		1.29	2.19	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	30.2			40 - 140	60%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.2			40 - 140	56%	SPK: 50		



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3469-01MS	Acq On:	28 Oct 2025 16:39
Client Sample ID:	TP-13MS	Operator:	YP/AJ
Data file:	FC070065.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.572	20253426	139.886	300	ug/ml
Aliphatic C12-C16	6.573	9.973	31495479	192.301	200	ug/ml
Aliphatic C16-C21	9.974	13.340	36192526	223.486	300	ug/ml
Aliphatic C21-C28	13.341	17.005	41412790	281.447	400	ug/ml
Aliphatic C28-C40	17.006	21.959	40417941	375.632	600	ug/ml
Aliphatic EPH	3.277	21.959	169772162	1210		ug/ml
ortho-Terphenyl (SURR)	11.641	11.641	4959543	28.24		ug/ml
1-chlorooctadecane (SURR)	13.076	13.076	4099935	30.2		ug/ml
Aliphatic C9-C28	3.277	17.005	129354221	837.12	1200	ug/ml

Report of Analysis

Client: HDR, Inc.	Date Collected:	
Project: PVWC Linear Construction	Date Received:	
Client Sample ID: TP-13MSD	SDG No.:	Q3466
Lab Sample ID: Q3469-01MSD	Matrix:	Solid
Analytical Method: NJEPH	% Solid:	91.1
Sample Wt/Vol: 30.04 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL	
	Prep Date : 10/28/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	28.1		1	1.29	2.19	mg/kg	FC070066.D	10/28/25 17:20	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	62.6		1	1.00	4.39	mg/kg	FC070066.D	10/28/25 17:20	PB170266
Total AliphaticEPH	Total AliphaticEPH	90.7			2.29	6.58	mg/kg			
Total EPH	Total EPH	90.7			2.29	6.58	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



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Fax : 908 789 8922

Report of Analysis

Client:	HDR, Inc.	Date Collected:	
Project:	PVWC Linear Construction	Date Received:	
Client Sample ID:	TP-13MSD	SDG No.:	Q3466
Lab Sample ID:	Q3469-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
Sample Wt/Vol:	30.04 g	Final Vol:	2000 uL
Prep Method :		Prep Date	10/28/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	62.6	1		1.00	4.39	mg/kg	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	28.1	1		1.29	2.19	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	31.0			40 - 140	62%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.9			40 - 140	58%	SPK: 50		



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3469-01MSD	Acq On:	28 Oct 2025 17:20
Client Sample ID:	TP-13MSD	Operator:	YP/AJ
Data file:	FC070066.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.572	21023509	145.205	300	ug/ml
Aliphatic C12-C16	6.573	9.973	32328594	197.388	200	ug/ml
Aliphatic C16-C21	9.974	13.340	36901594	227.864	300	ug/ml
Aliphatic C21-C28	13.341	17.005	42064279	285.875	400	ug/ml
Aliphatic C28-C40	17.006	21.959	41376676	384.542	600	ug/ml
Aliphatic EPH	3.277	21.959	173694652	1240		ug/ml
ortho-Terphenyl (SURR)	11.641	11.641	5084075	28.95		ug/ml
1-chlorooctadecane (SURR)	13.075	13.075	4213167	31.04		ug/ml
Aliphatic C9-C28	3.277	17.005	132317976	856.332	1200	ug/ml



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC100725AL

AreaCount

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

AVG Response Factor

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

Concentration

Parameter Range	FC069937.D	FC069938.D	FC069939.D	FC069940.D	FC069941.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

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

Initial Calibration Report for SequenceID : FC100725AL

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

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

Instrument :
 FID_C
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

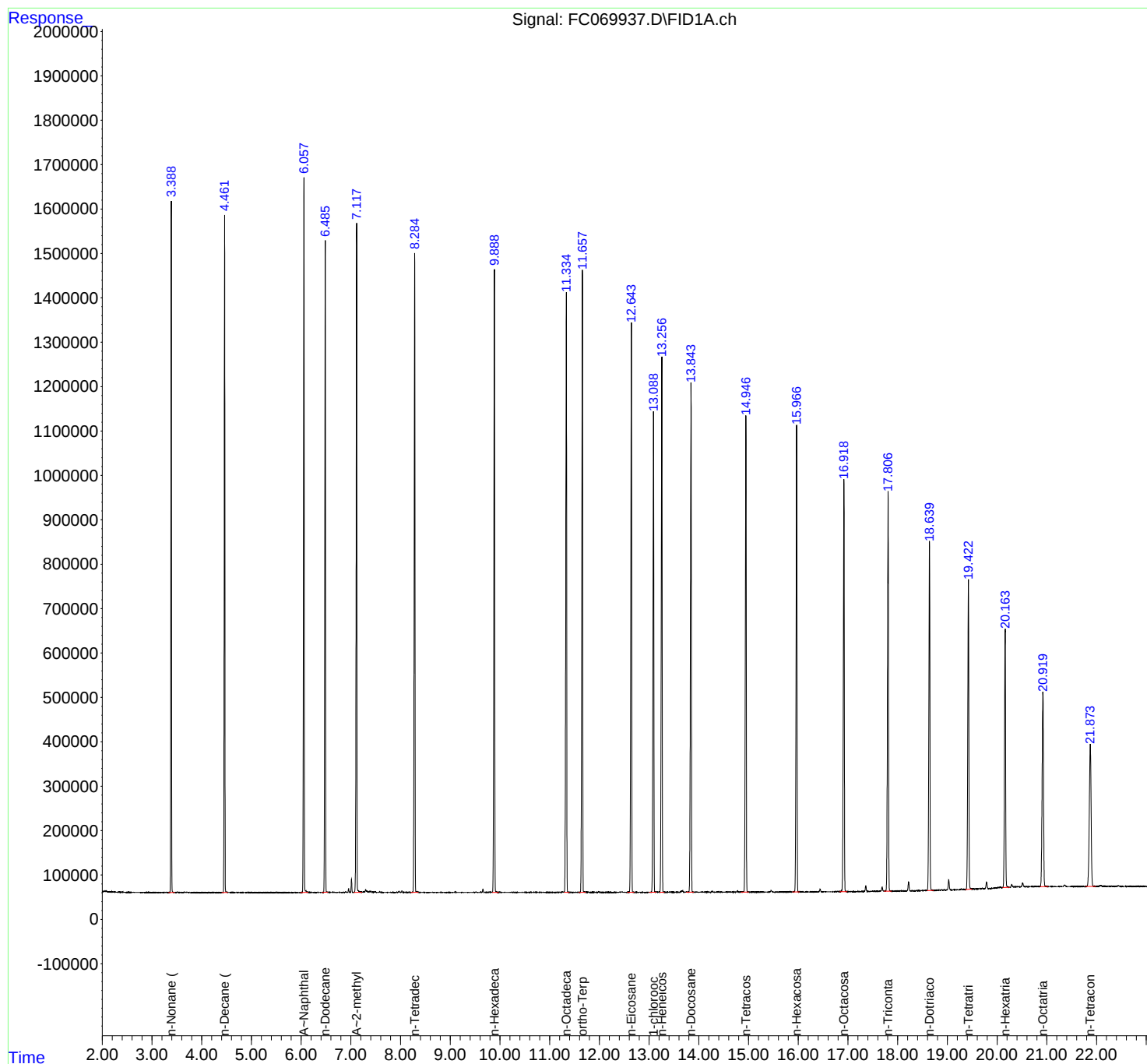
(m)=manual int.

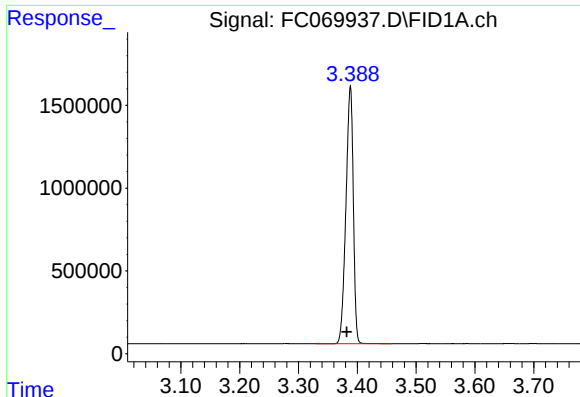
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069937.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 16:17
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

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

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

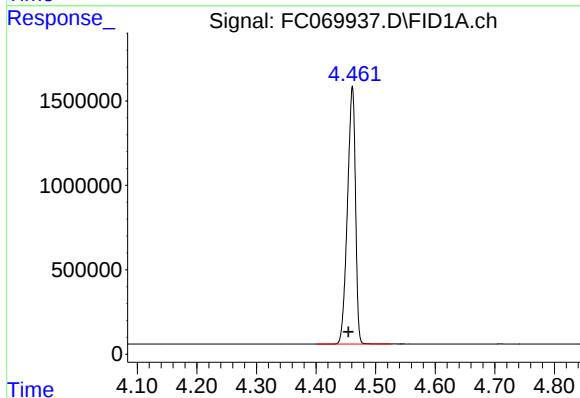




#1 n-Nonane (C9)

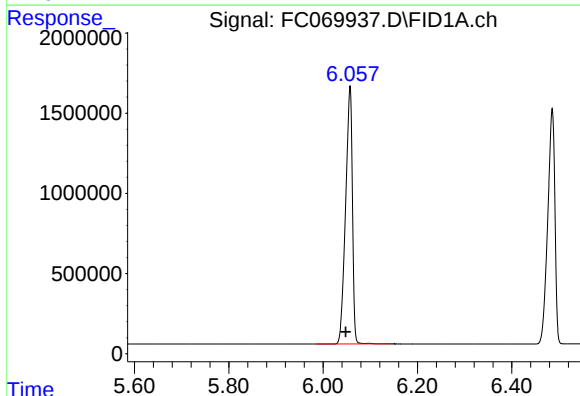
R.T.: 3.388 min
Delta R.T.: 0.006 min
Response: 13511792
Conc: 104.49 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



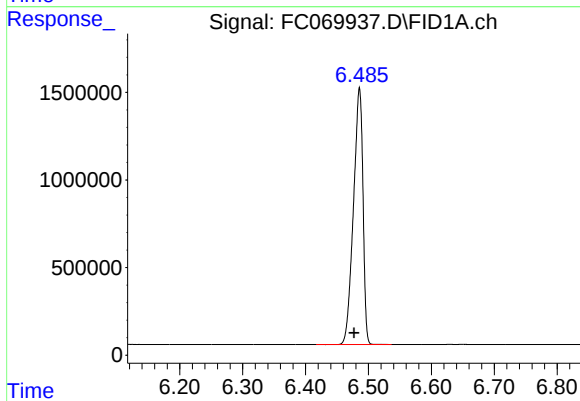
#2 n-Decane (C10)

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



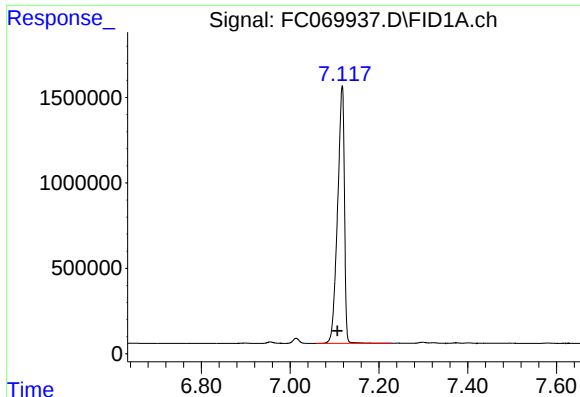
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

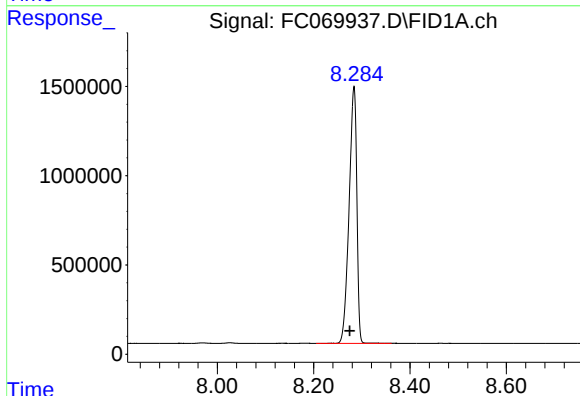
R.T.: 6.485 min
Delta R.T.: 0.008 min
Response: 15390045
Conc: 107.24 ug/ml



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

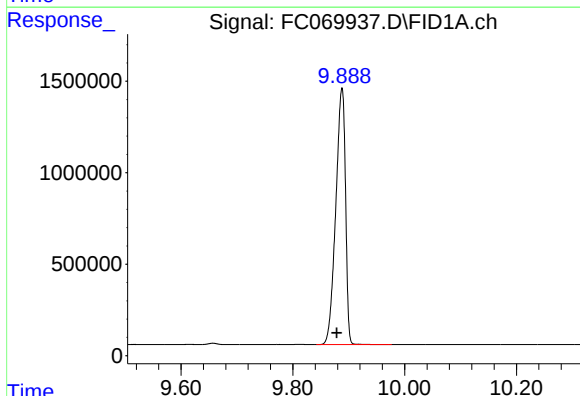
R.T.: 7.116 min
Delta R.T.: 0.010 min
Response: 16083838
Conc: 107.58 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



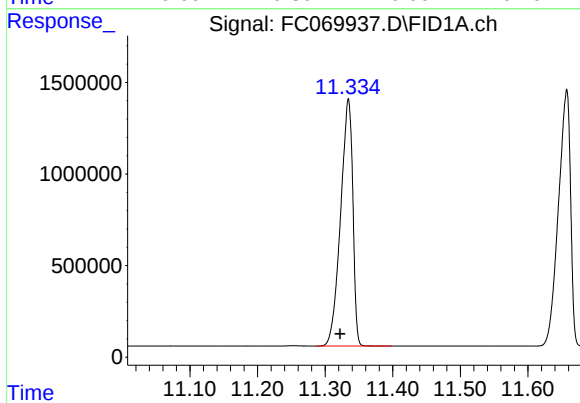
#6 n-Tetradecane (C14)

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



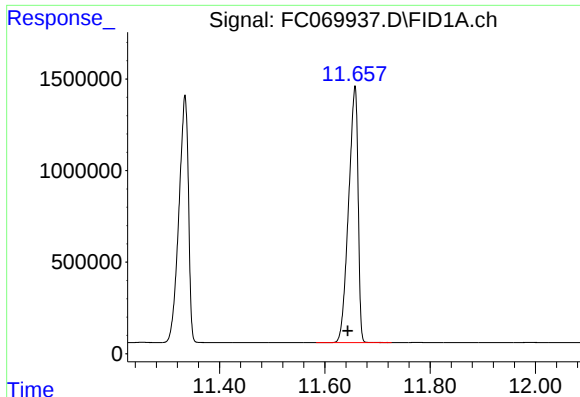
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

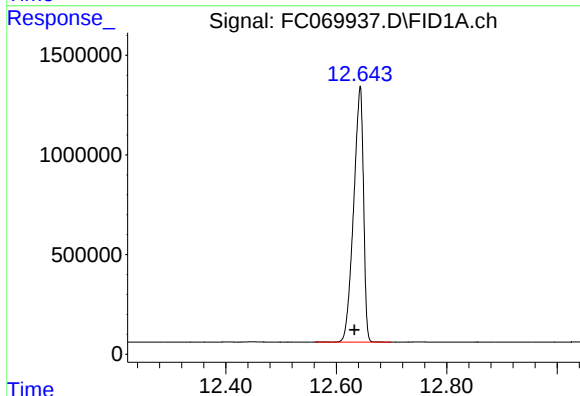
R.T.: 11.334 min
Delta R.T.: 0.012 min
Response: 16924222
Conc: 107.11 ug/ml



#9 ortho-Terphenyl (SURR)

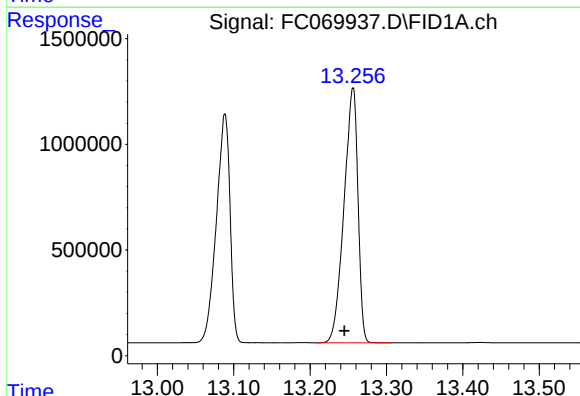
R.T.: 11.657 min
Delta R.T.: 0.013 min
Response: 17428523
Conc: 107.79 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



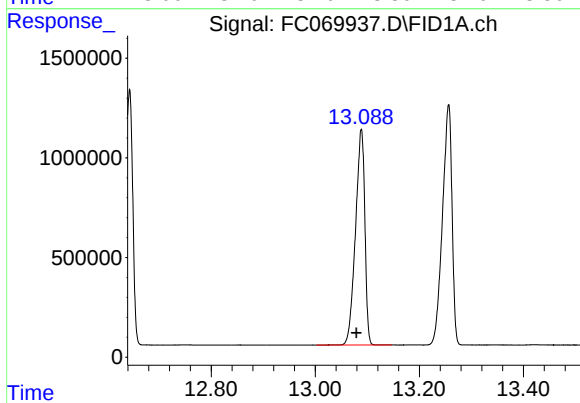
#10 n-Eicosane (C20)

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



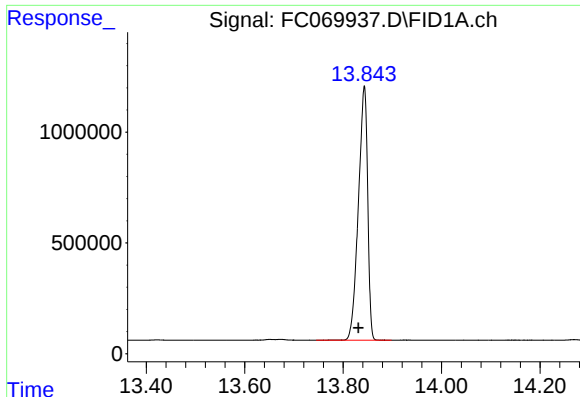
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

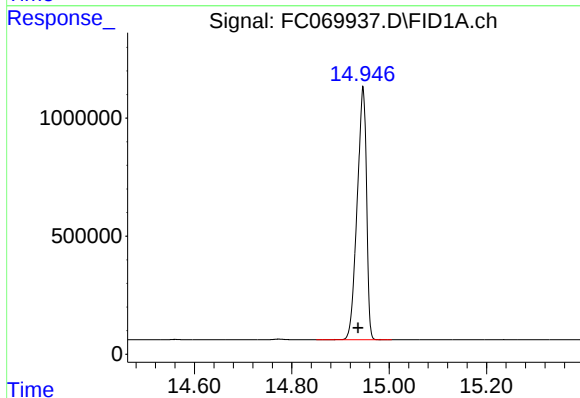
R.T.: 13.088 min
Delta R.T.: 0.009 min
Response: 13491128
Conc: 107.92 ug/ml



#13 n-Docosane (C22)

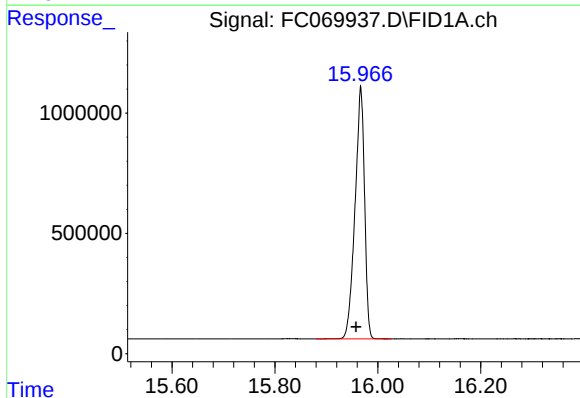
R.T.: 13.843 min
Delta R.T.: 0.012 min
Response: 14972967
Conc: 107.36 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



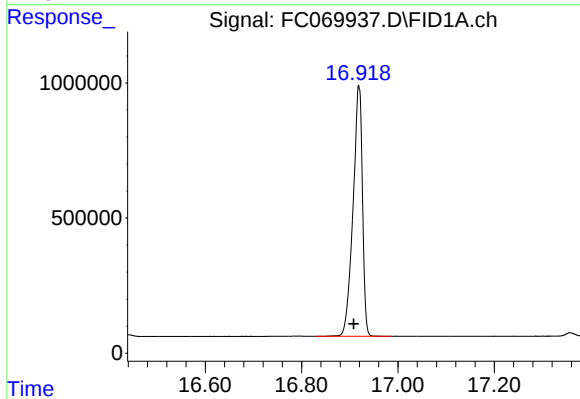
#14 n-Tetracosane (C24)

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



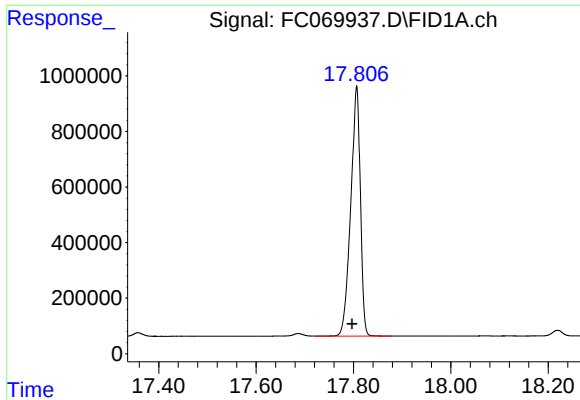
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

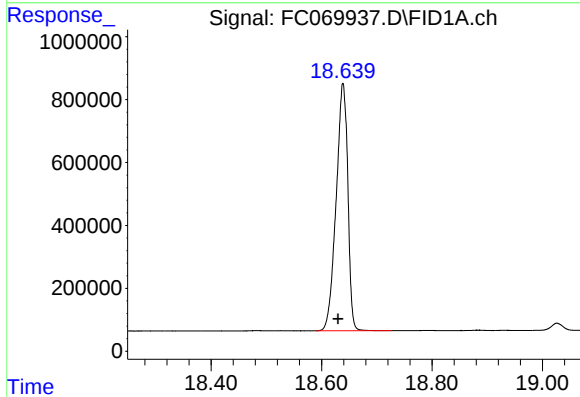
R.T.: 16.919 min
Delta R.T.: 0.011 min
Response: 12644771
Conc: 107.10 ug/ml



#17 n-Tricontane (C30)

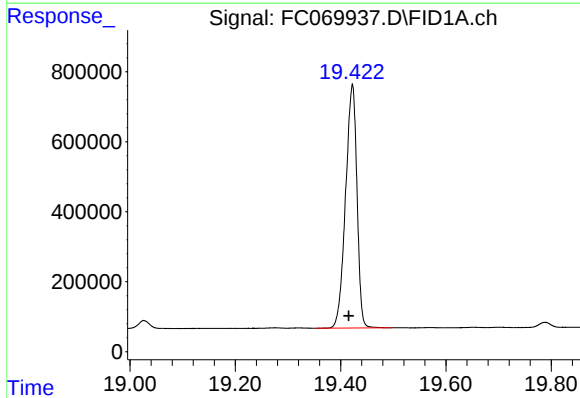
R.T.: 17.806 min
Delta R.T.: 0.009 min
Response: 12335576
Conc: 107.08 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



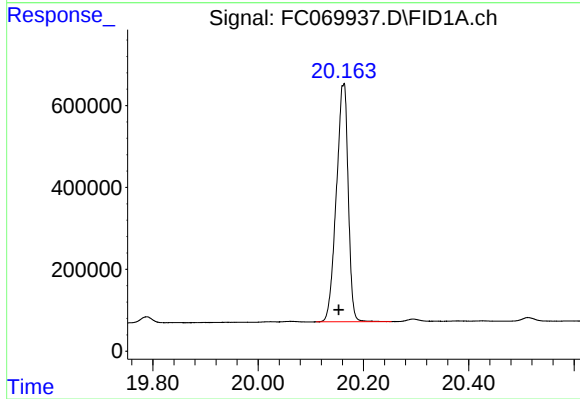
#18 n-Dotriacontane (C32)

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



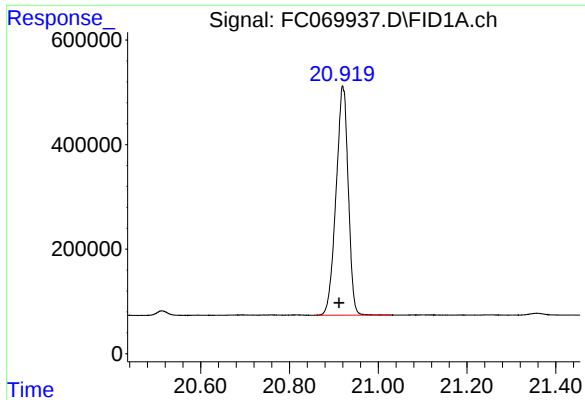
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

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



#21 n-Octatriacontane (C38)

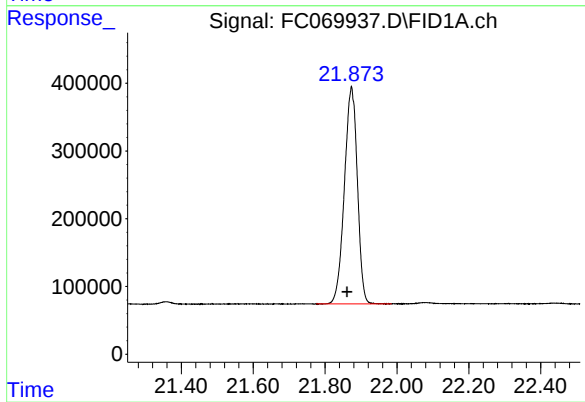
R.T.: 20.920 min
Delta R.T.: 0.009 min
Response: 8347689
Conc: 106.48 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1A.ch

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

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

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

Instrument :
 FID_C
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

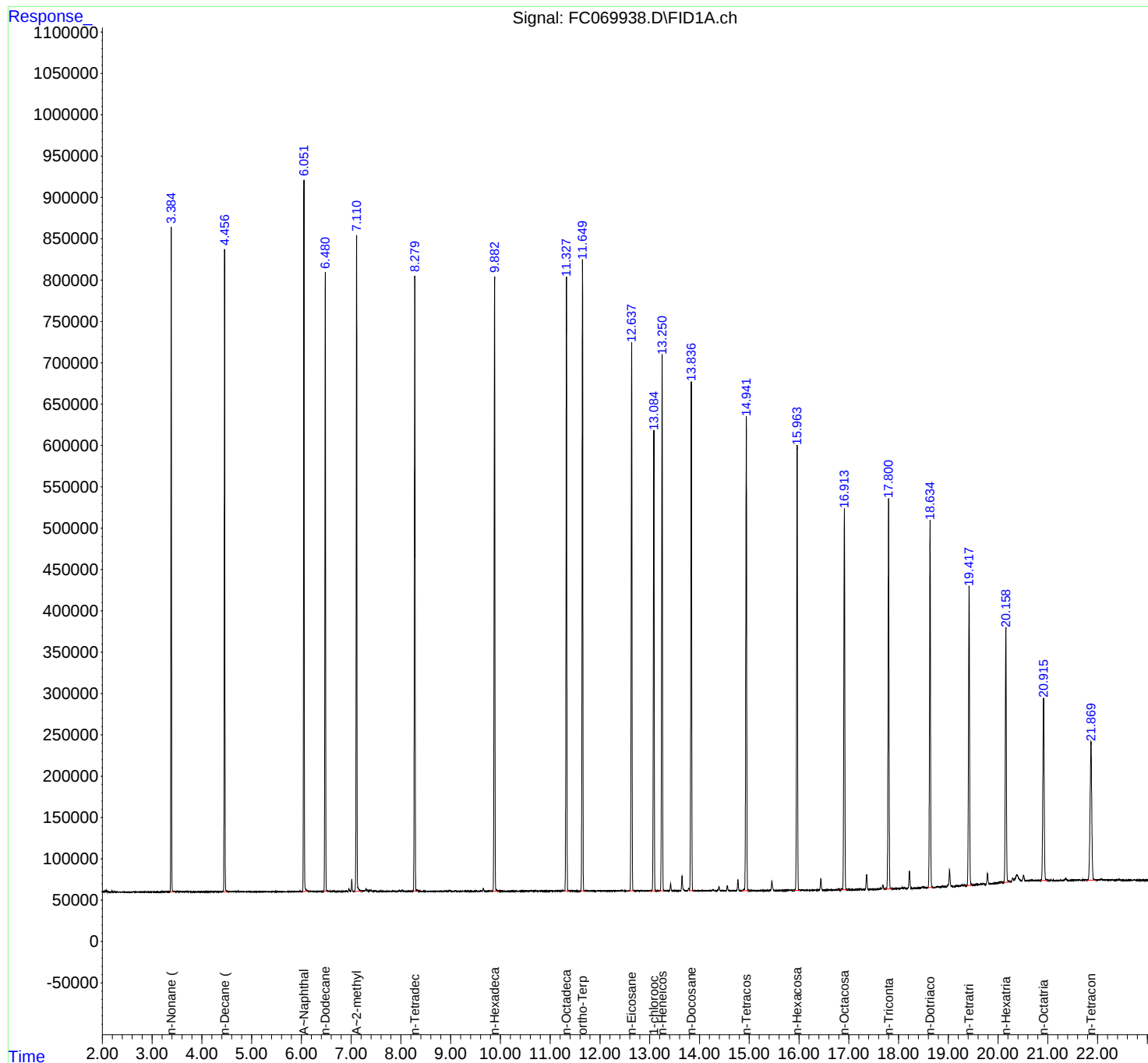
(m)=manual int.

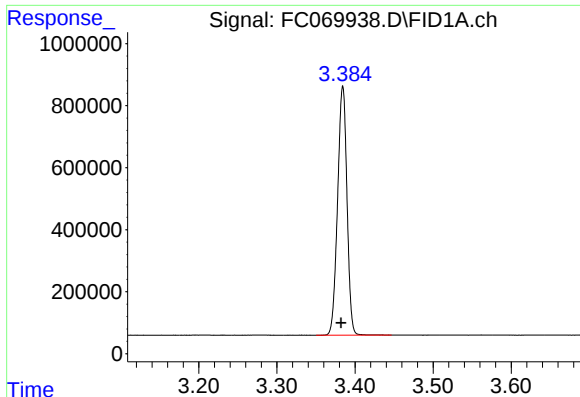
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069938.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 17:03
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

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

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

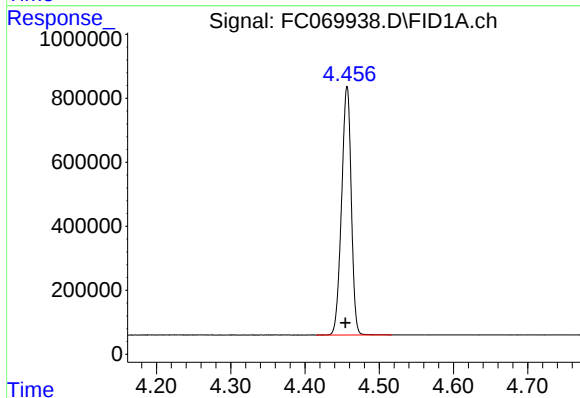




#1 n-Nonane (C9)

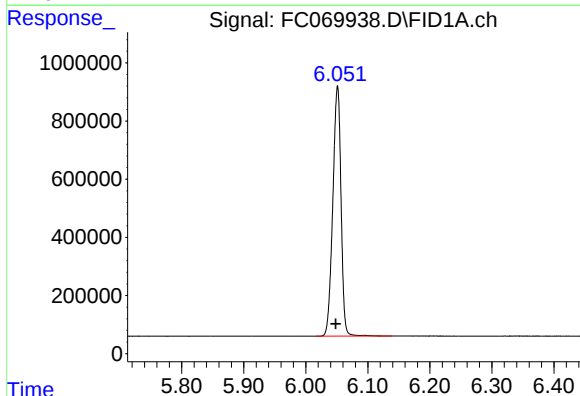
R.T.: 3.384 min
Delta R.T.: 0.002 min
Response: 6696096
Conc: 51.78 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



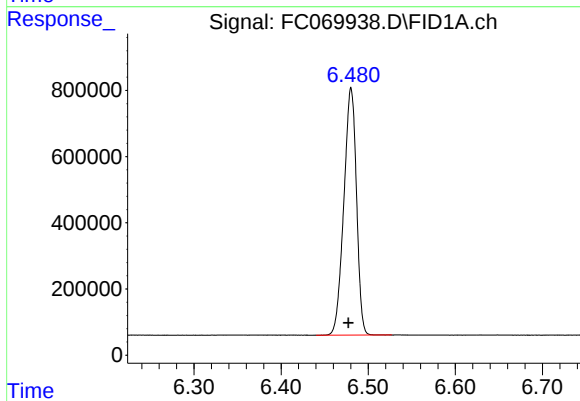
#2 n-Decane (C10)

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



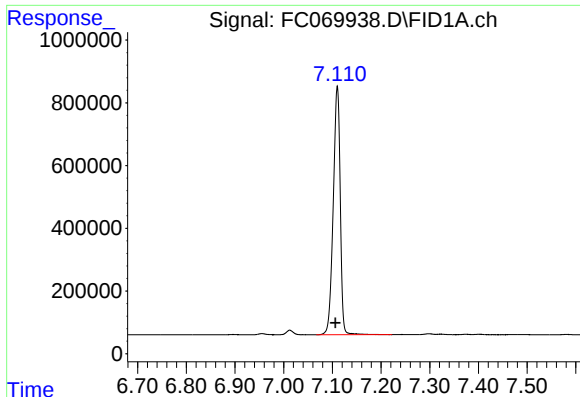
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

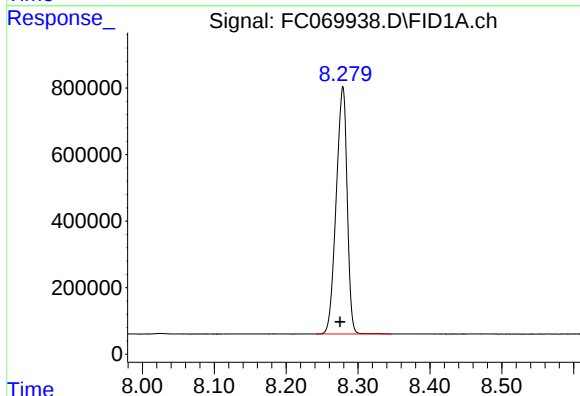
R.T.: 6.480 min
Delta R.T.: 0.003 min
Response: 7521297
Conc: 52.41 ug/ml



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

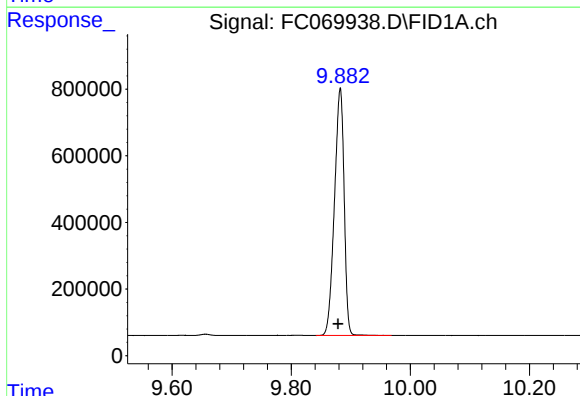
R.T.: 7.110 min
Delta R.T.: 0.004 min
Response: 7871197
Conc: 52.65 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



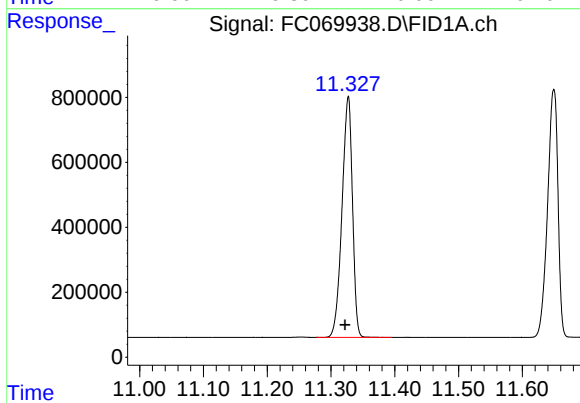
#6 n-Tetradecane (C14)

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



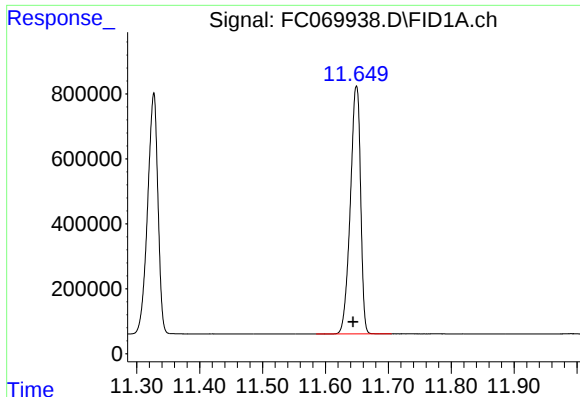
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

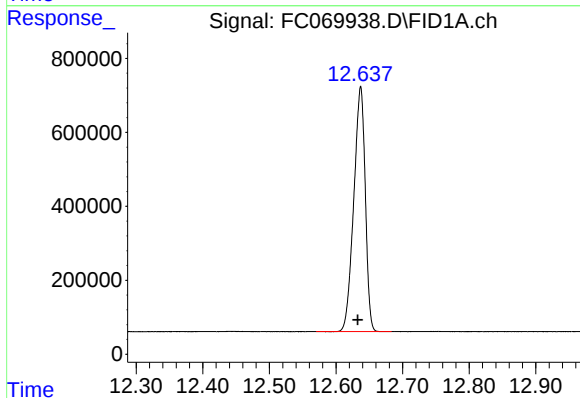
R.T.: 11.327 min
Delta R.T.: 0.005 min
Response: 8439359
Conc: 53.41 ug/ml



#9 ortho-Terphenyl (SURR)

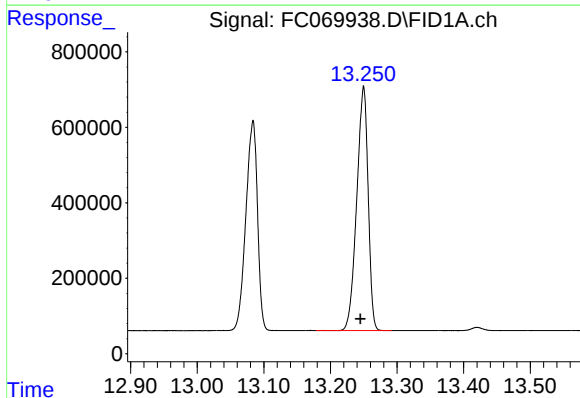
R.T.: 11.649 min
Delta R.T.: 0.005 min
Response: 8639976
Conc: 53.43 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



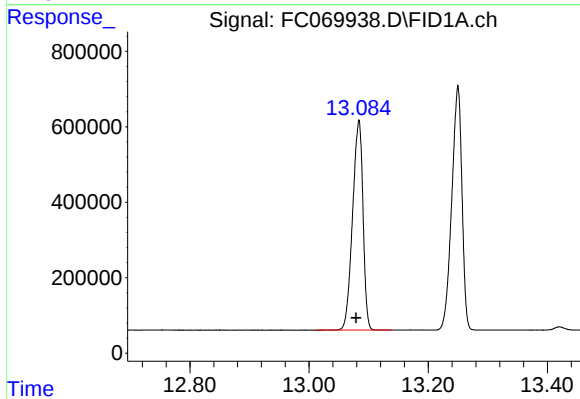
#10 n-Eicosane (C20)

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



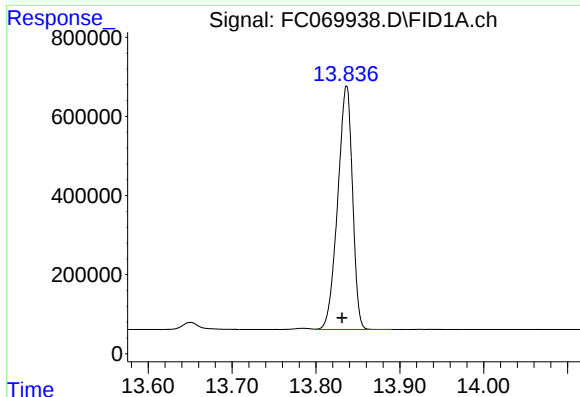
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

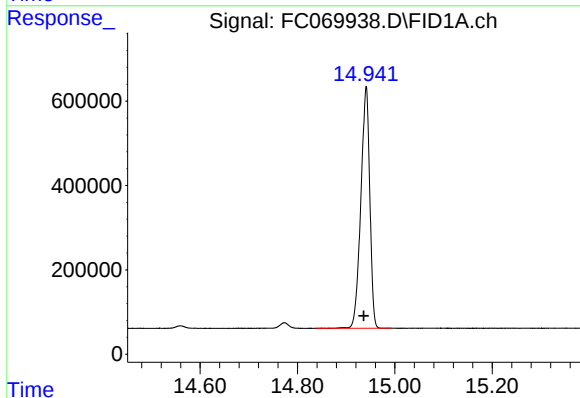
R.T.: 13.083 min
Delta R.T.: 0.004 min
Response: 6744188
Conc: 53.95 ug/ml



#13 n-Docosane (C22)

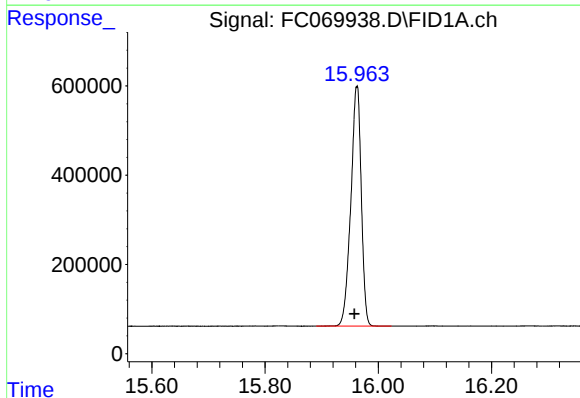
R.T.: 13.836 min
Delta R.T.: 0.005 min
Response: 7552504
Conc: 54.16 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



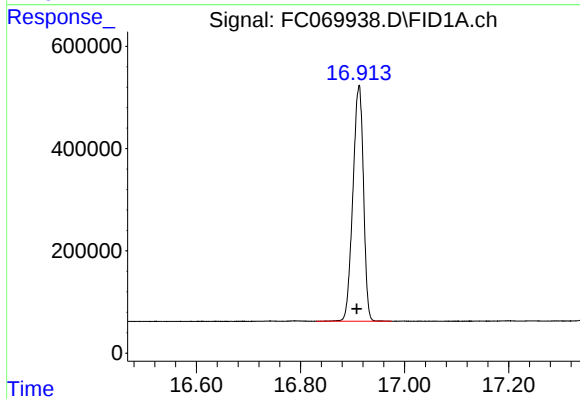
#14 n-Tetracosane (C24)

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



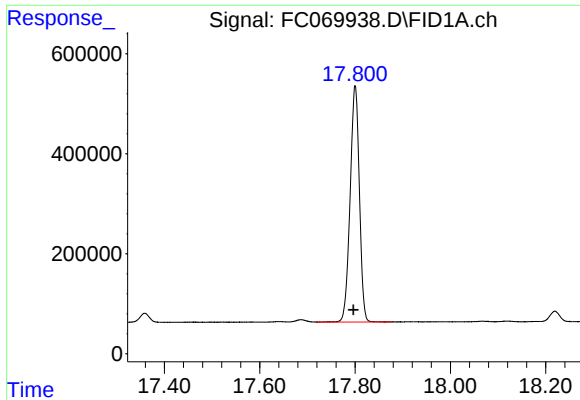
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

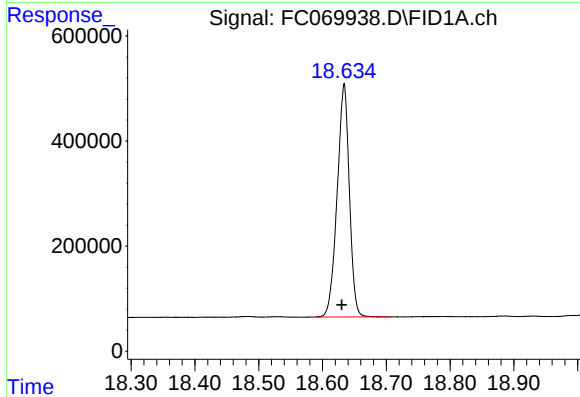
R.T.: 16.912 min
Delta R.T.: 0.004 min
Response: 6492320
Conc: 54.99 ug/ml



#17 n-Tricontane (C30)

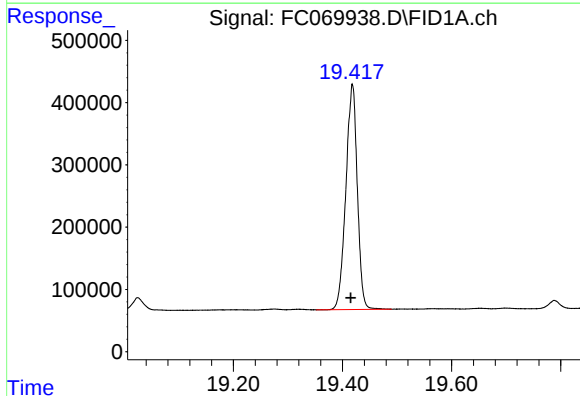
R.T.: 17.800 min
Delta R.T.: 0.003 min
Response: 6323170
Conc: 54.89 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



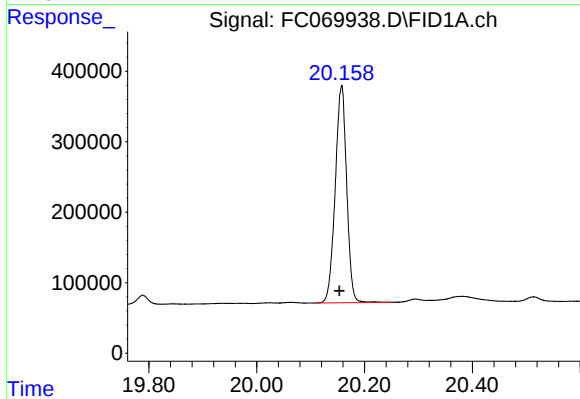
#18 n-Dotriacontane (C32)

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



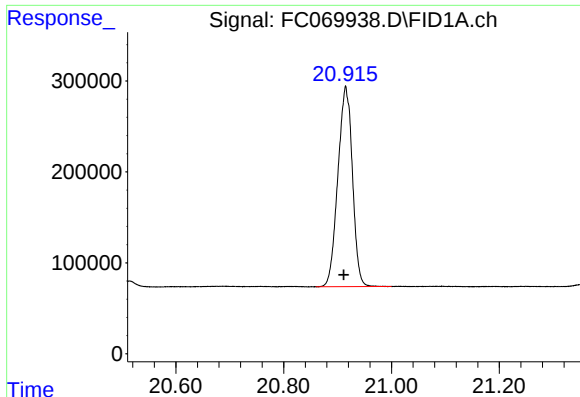
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

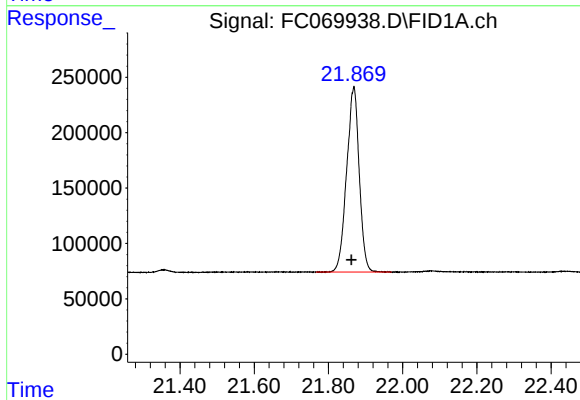
R.T.: 20.157 min
Delta R.T.: 0.004 min
Response: 4546558
Conc: 53.01 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1A.ch

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

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

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

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

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

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.644	3233829	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.079	2500104	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.382	2586179	20.000 ug/ml
2) T n-Decane (C10)	4.455	2704739	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.048	3037797	20.000 ug/ml
4) T n-Dodecane (C12)	6.477	2870146	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.106	2990239	20.000 ug/ml
6) T n-Tetradecane (C14)	8.275	2967400	20.000 ug/ml
7) T n-Hexadecane (C16)	9.879	3134629	20.000 ug/ml
8) T n-Octadecane (C18)	11.322	3160241	20.000 ug/ml
10) T n-Eicosane (C20)	12.633	2956263	20.000 ug/ml
11) T n-Heneicosane (C21)	13.245	2856934	20.000 ug/ml
13) T n-Docosane (C22)	13.831	2789185	20.000 ug/ml
14) T n-Tetracosane (C24)	14.936	2665846	20.000 ug/ml
15) T n-Hexacosane (C26)	15.958	2511687	20.000 ug/ml
16) T n-Octacosane (C28)	16.908	2361381	20.000 ug/ml
17) T n-Tricontane (C30)	17.797	2304010	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.630	2157650	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.415	1957095	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.153	1715254	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.912	1567899	20.000 ug/ml
22) T n-Tetracontane (C40)	21.862	1503047	20.000 ug/ml

(f)=RT Delta > 1/2 Window

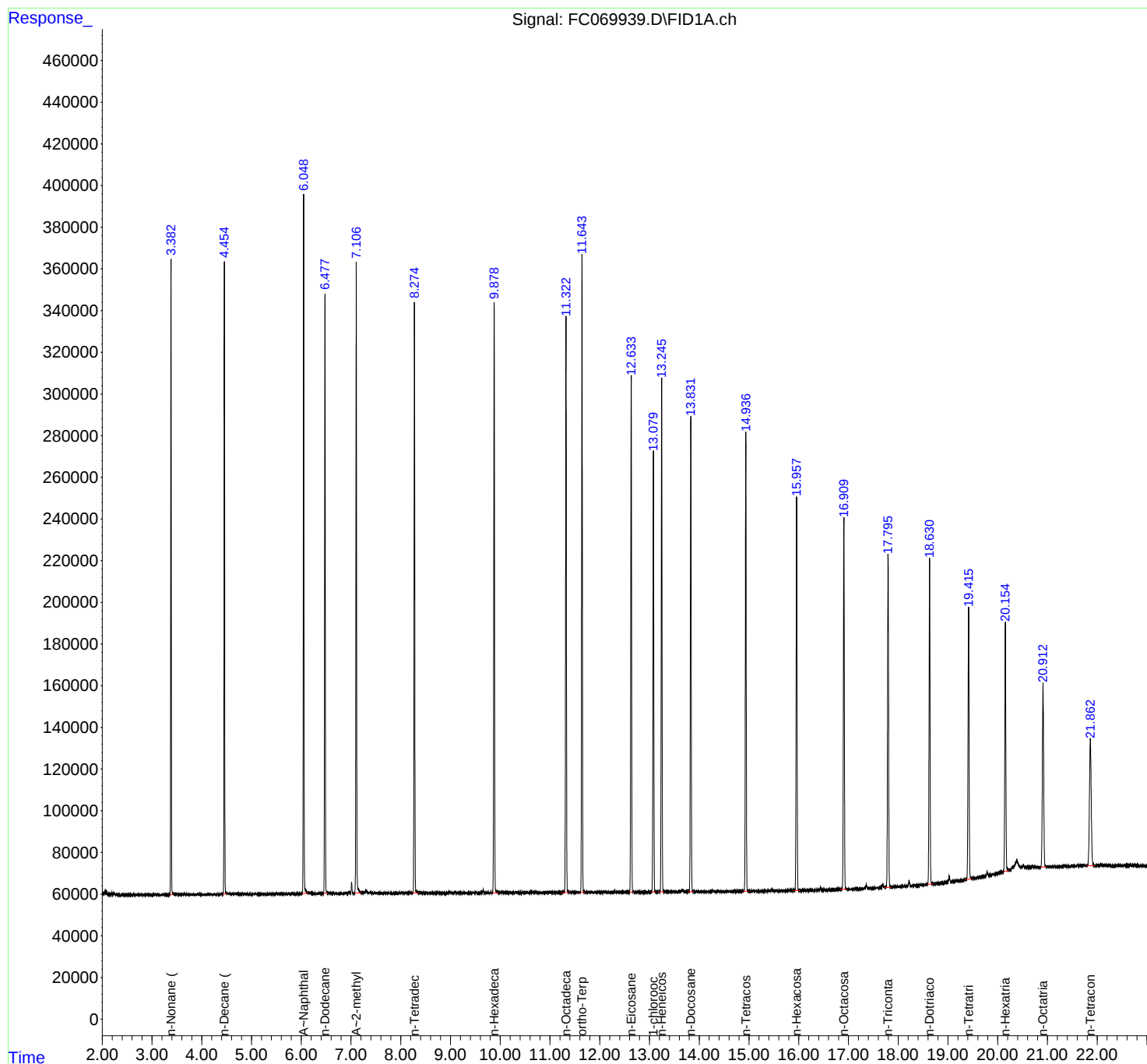
(m)=manual int.

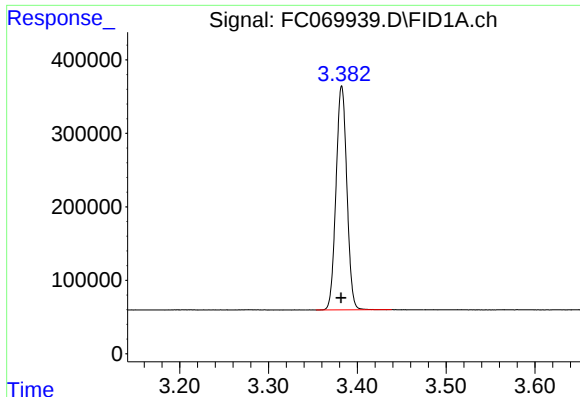
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069939.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 17:50
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

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

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

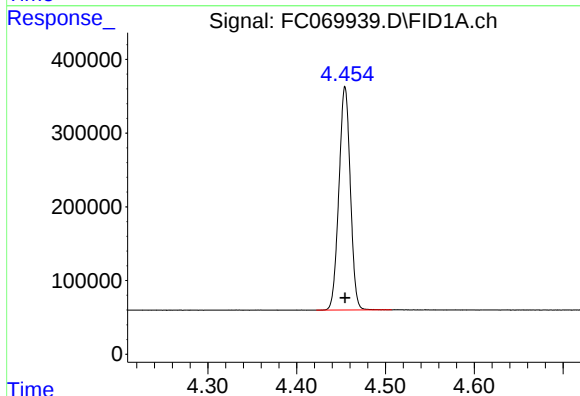




#1 n-Nonane (C9)

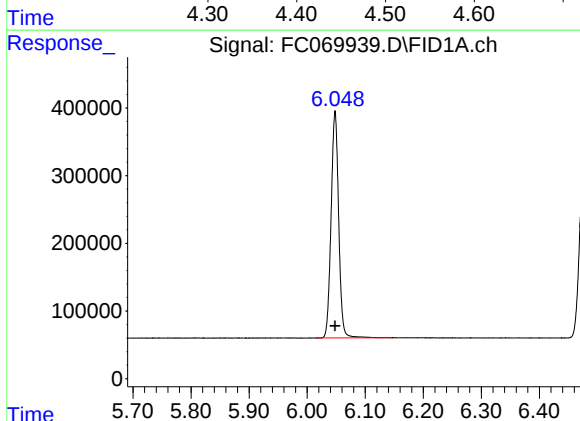
R.T.: 3.382 min
Delta R.T.: 0.000 min
Response: 2586179
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



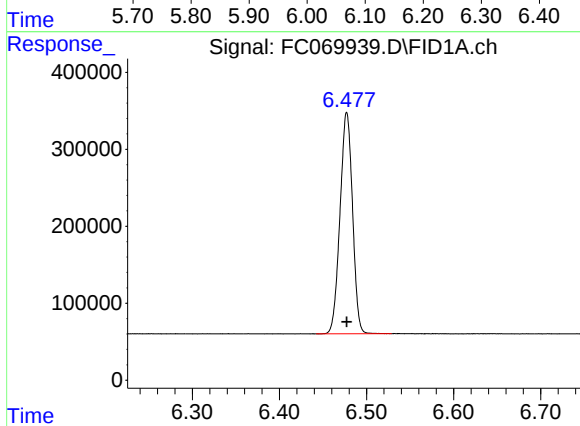
#2 n-Decane (C10)

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



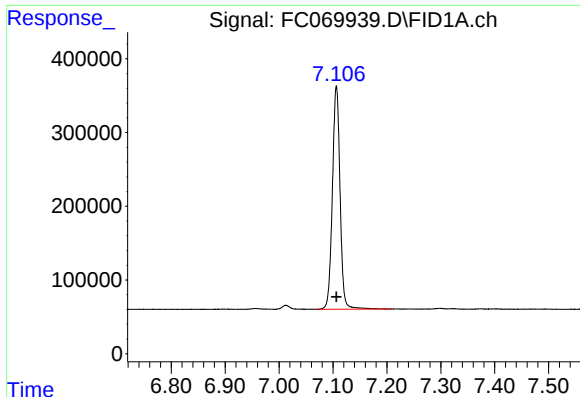
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

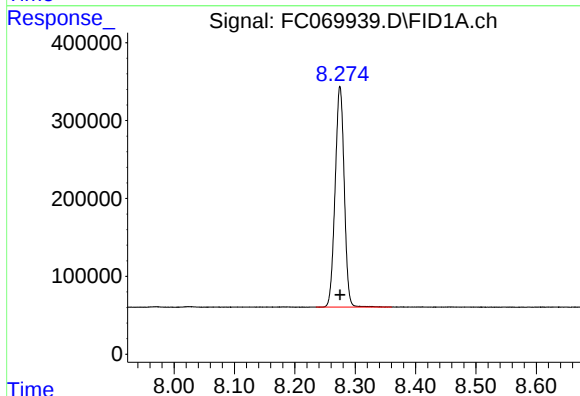
R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 2870146
Conc: 20.00 ug/ml



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

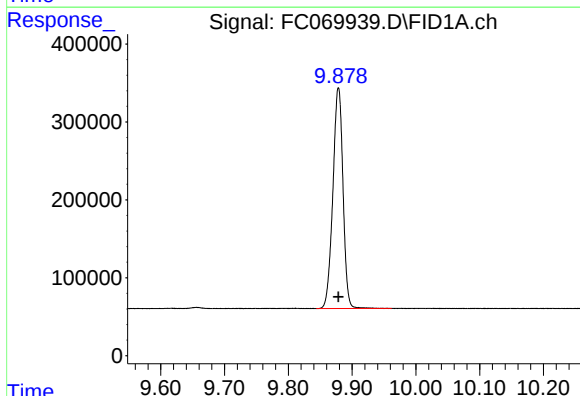
R.T.: 7.106 min
Delta R.T.: 0.000 min
Response: 2990239
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



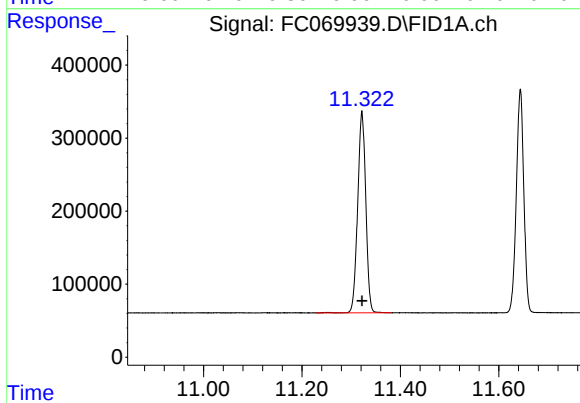
#6 n-Tetradecane (C14)

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



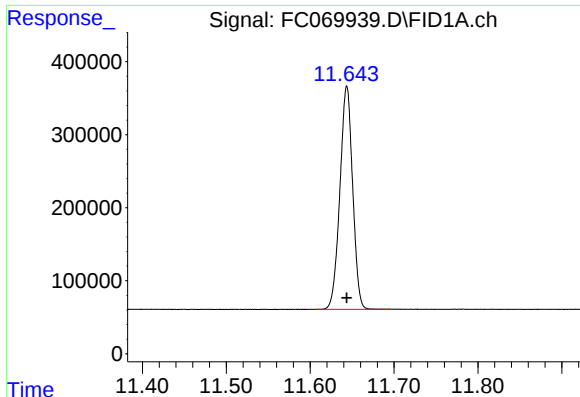
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

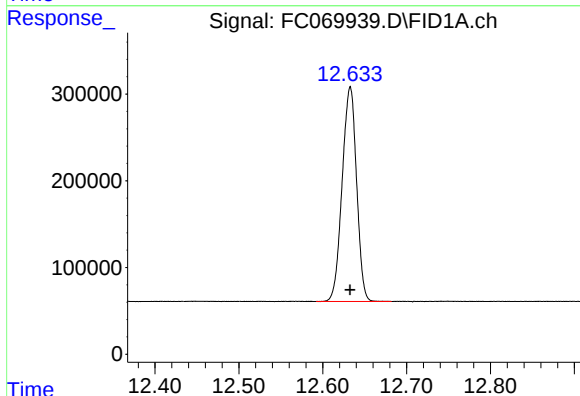
R.T.: 11.322 min
Delta R.T.: 0.000 min
Response: 3160241
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

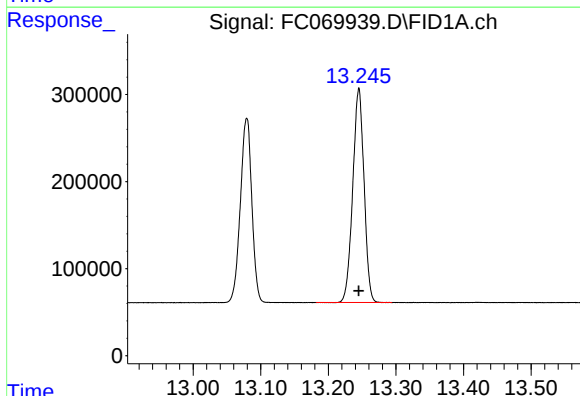
R.T.: 11.644 min
Delta R.T.: 0.000 min
Response: 3233829
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



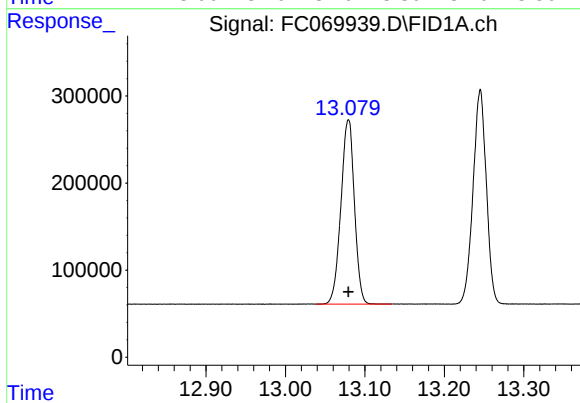
#10 n-Eicosane (C20)

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



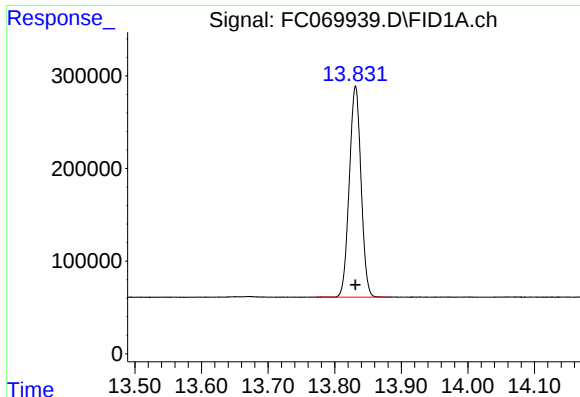
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

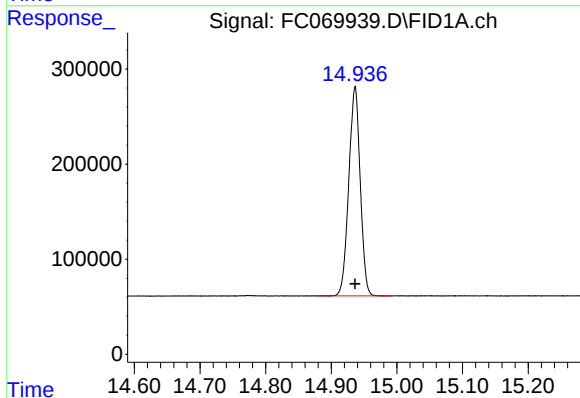
R.T.: 13.079 min
Delta R.T.: 0.000 min
Response: 2500104
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

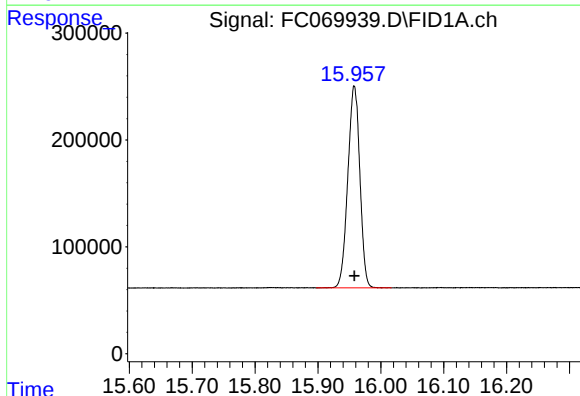
R.T.: 13.831 min
Delta R.T.: 0.000 min
Response: 2789185
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



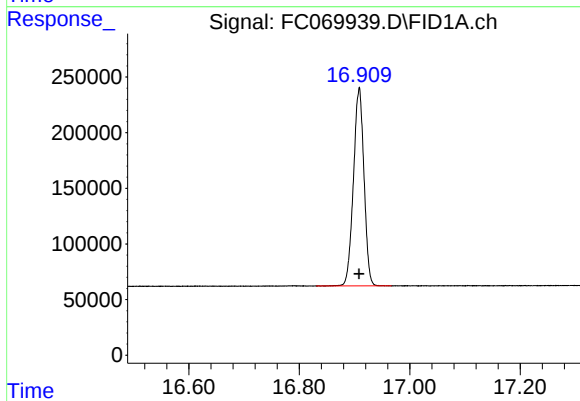
#14 n-Tetracosane (C24)

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



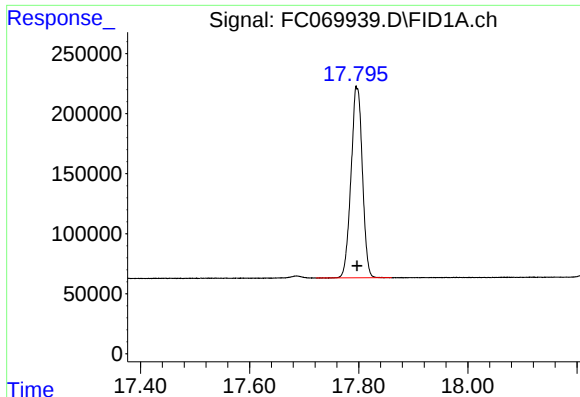
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

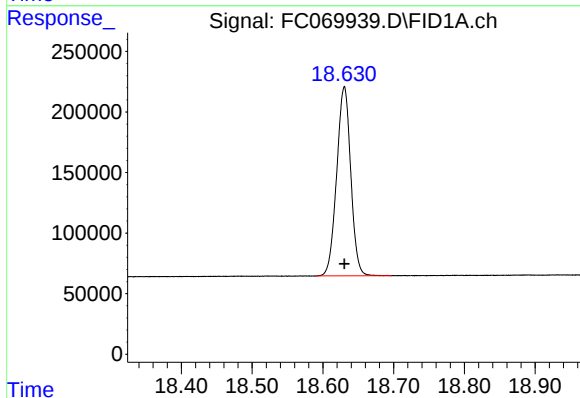
R.T.: 16.908 min
Delta R.T.: 0.000 min
Response: 2361381
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

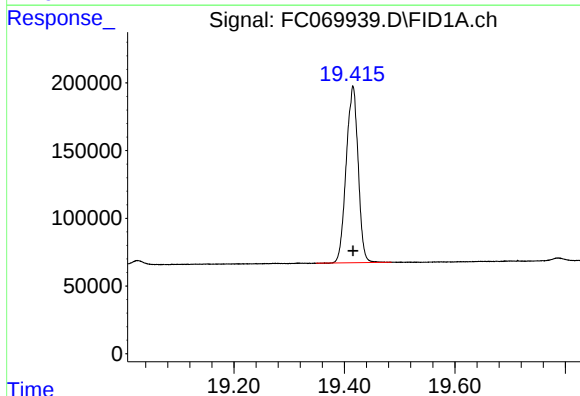
R.T.: 17.797 min
Delta R.T.: 0.000 min
Response: 2304010
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



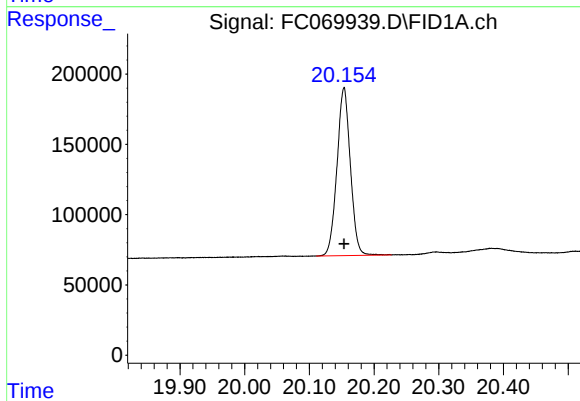
#18 n-Dotriacontane (C32)

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



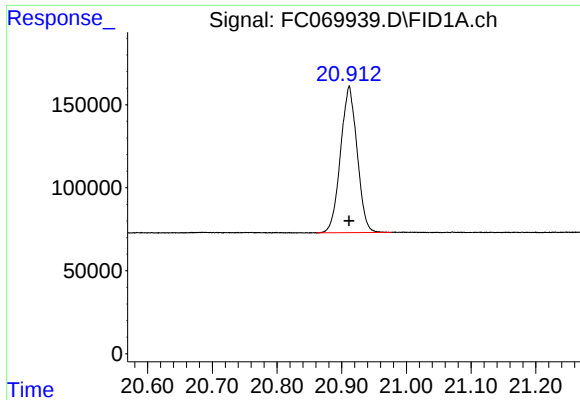
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

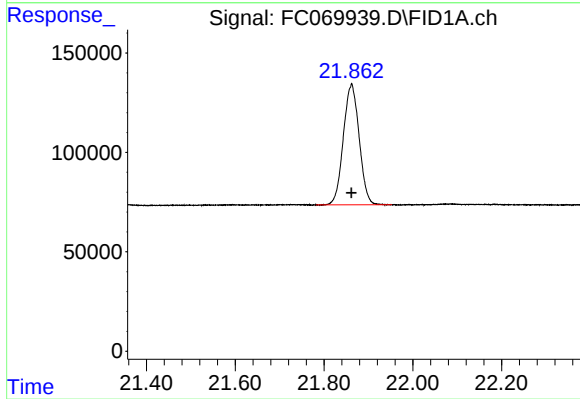
R.T.: 20.153 min
Delta R.T.: 0.000 min
Response: 1715254
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1A.ch

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

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

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

Instrument :
 FID_C
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Manual Integrations
 APPROVED

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

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

(m)=manual int.

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

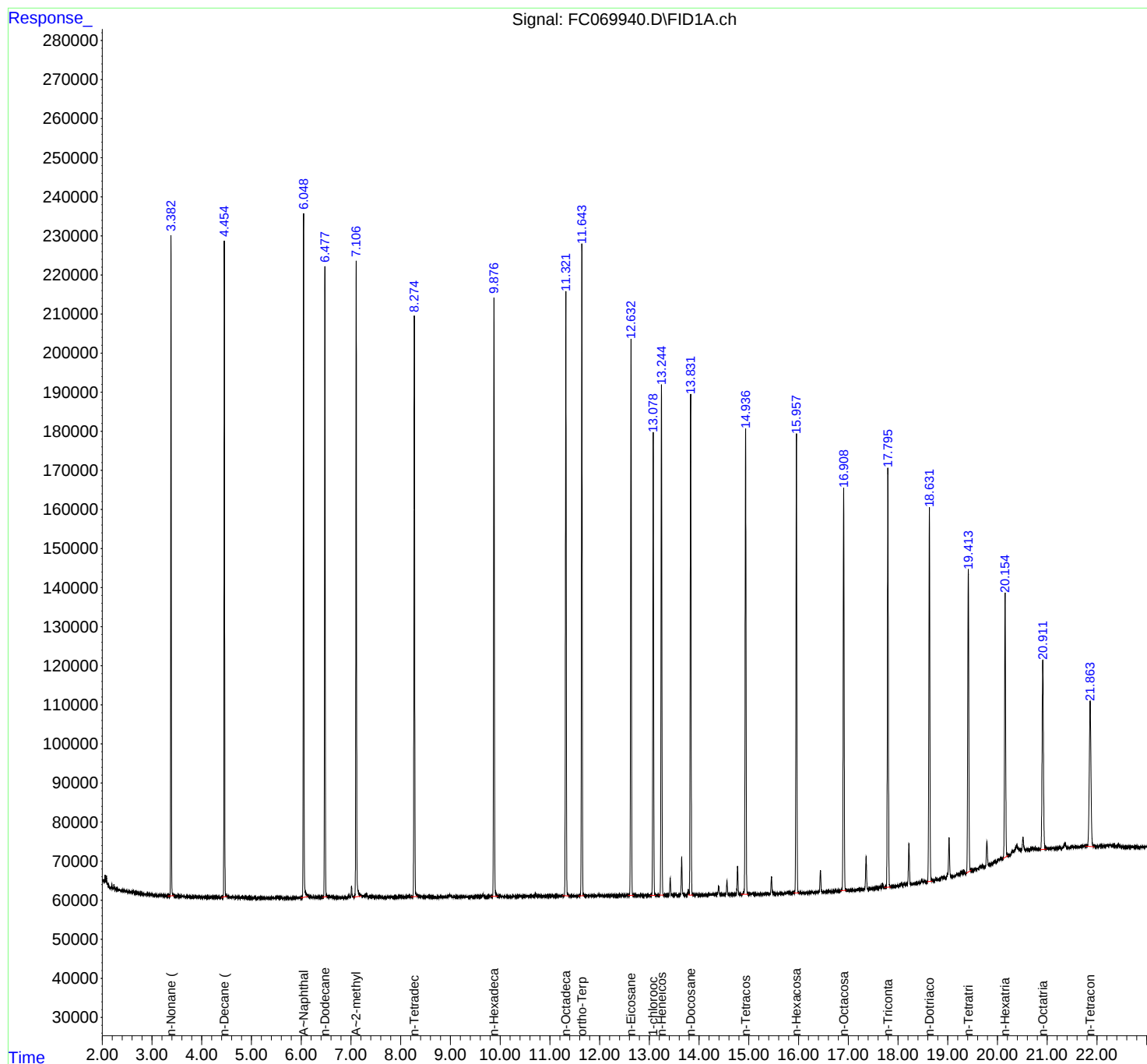
Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

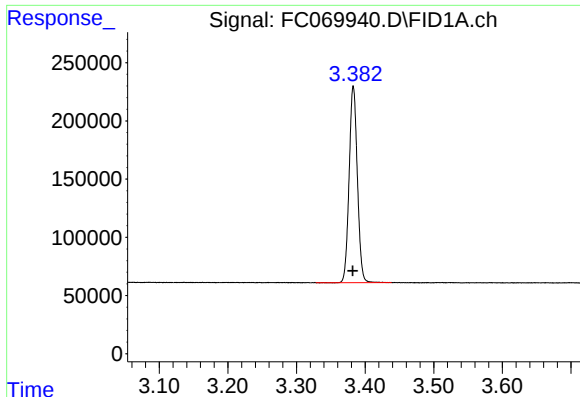
Manual Integrations
APPROVED

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

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

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





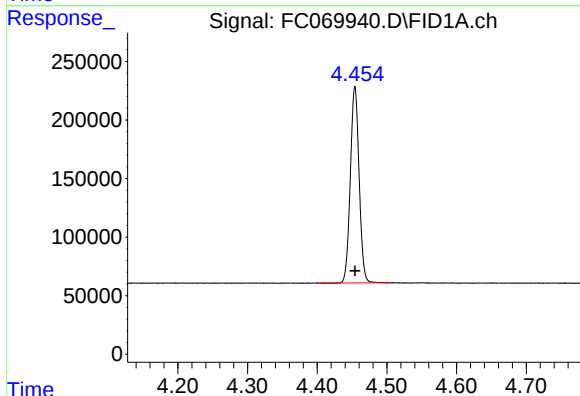
#1 n-Nonane (C9)

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

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

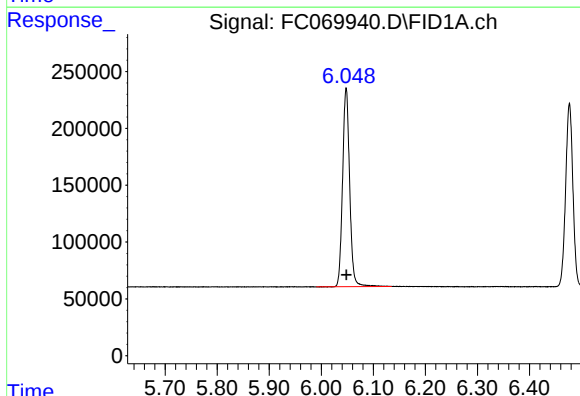
Manual Integrations
APPROVED

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



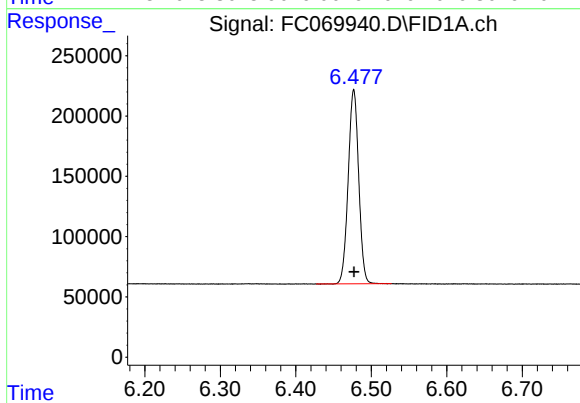
#2 n-Decane (C10)

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



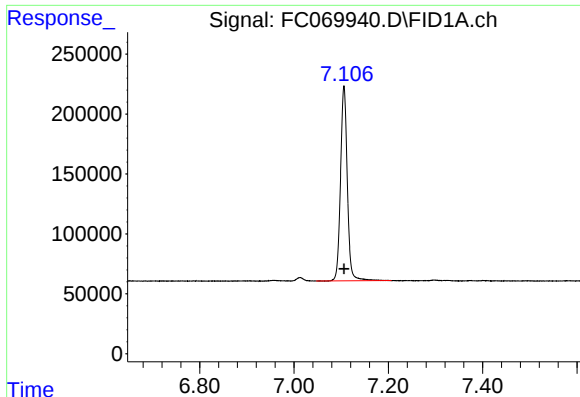
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

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



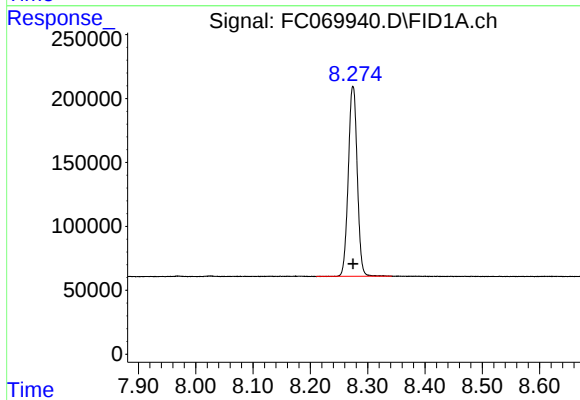
#5 A~2-methylnaphthalene (C12.89)

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

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

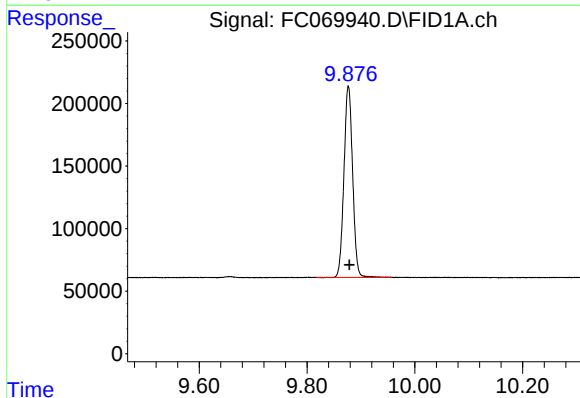
Manual Integrations
APPROVED

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



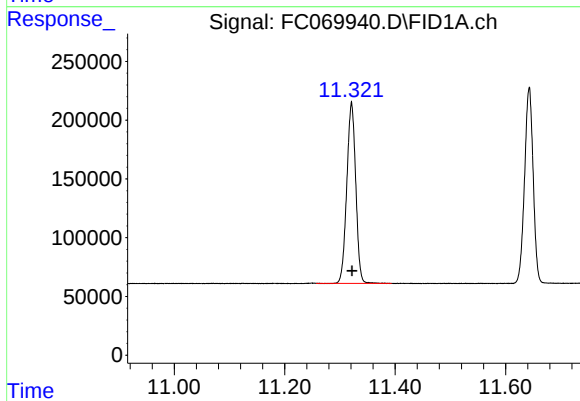
#6 n-Tetradecane (C14)

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



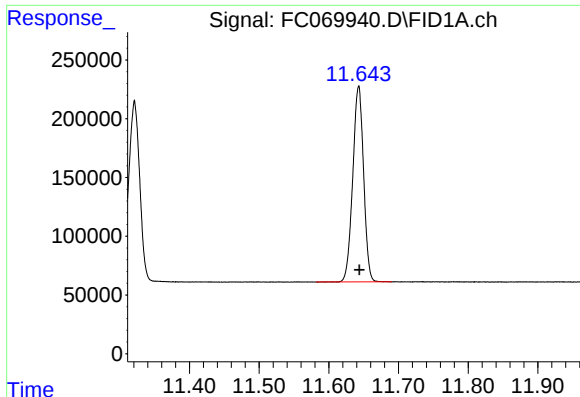
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

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



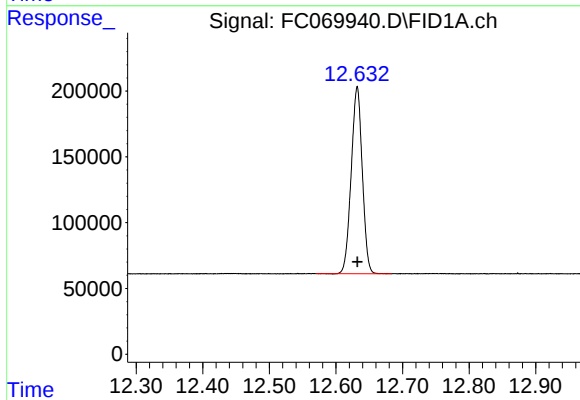
#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

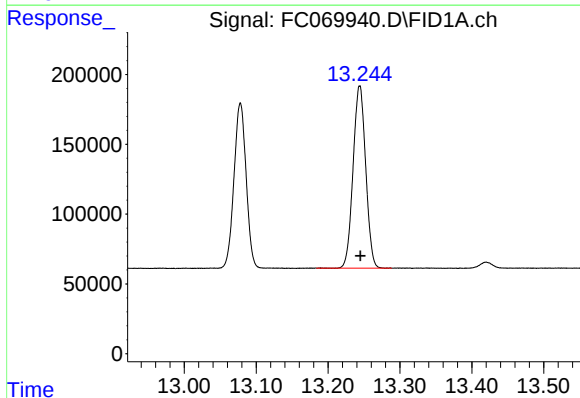
Manual Integrations
APPROVED

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



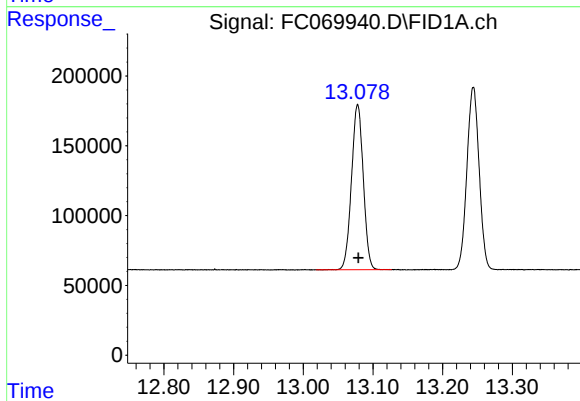
#10 n-Eicosane (C20)

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



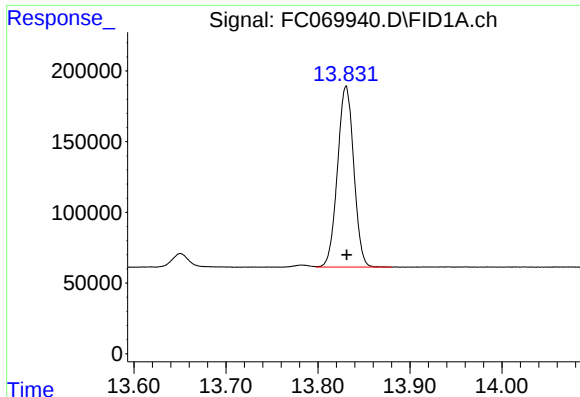
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

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



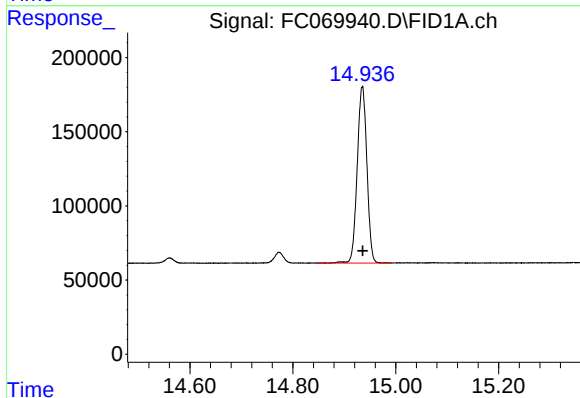
#13 n-Docosane (C22)

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

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

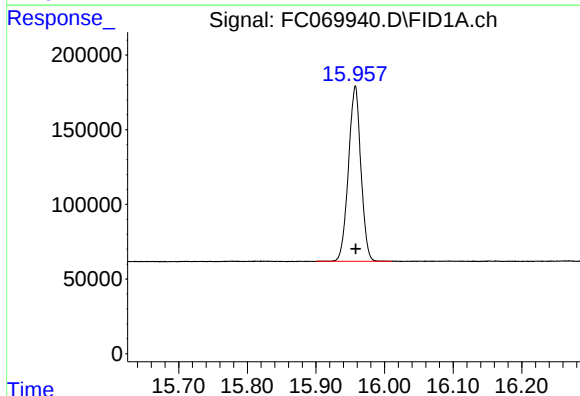
Manual Integrations
APPROVED

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



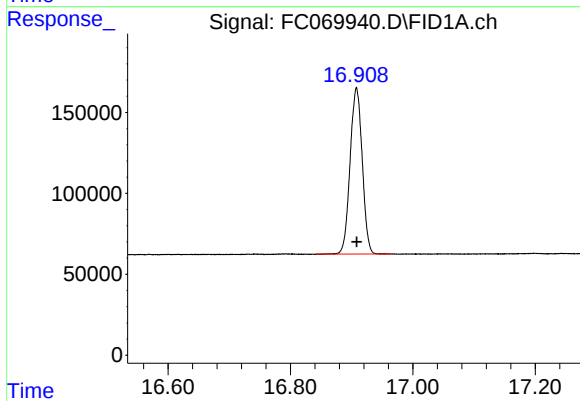
#14 n-Tetracosane (C24)

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



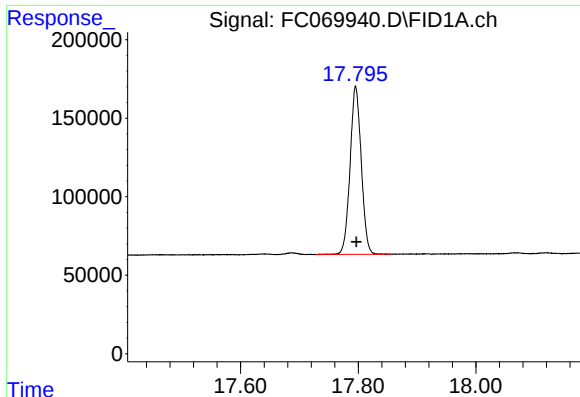
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

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



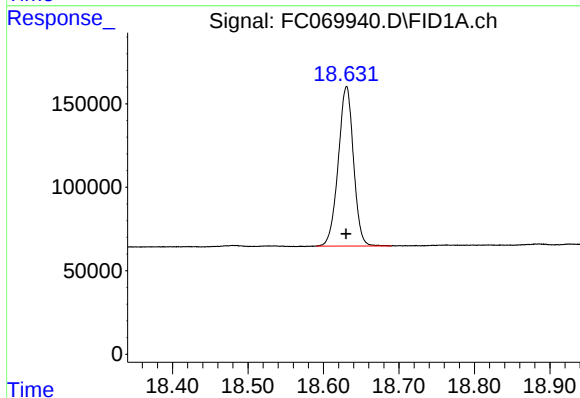
#17 n-Tricontane (C30)

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

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

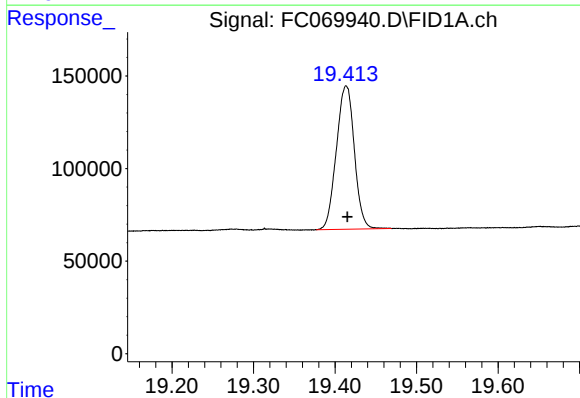
Manual Integrations
APPROVED

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



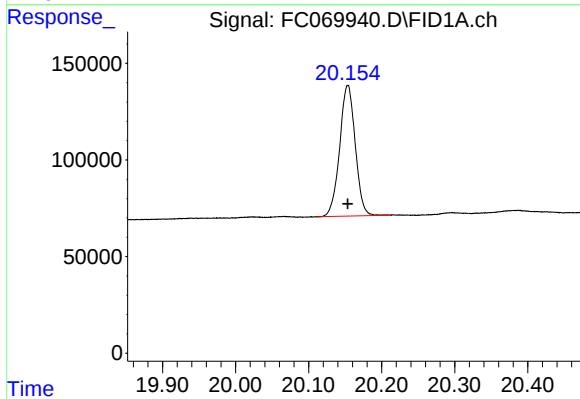
#18 n-Dotriacontane (C32)

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



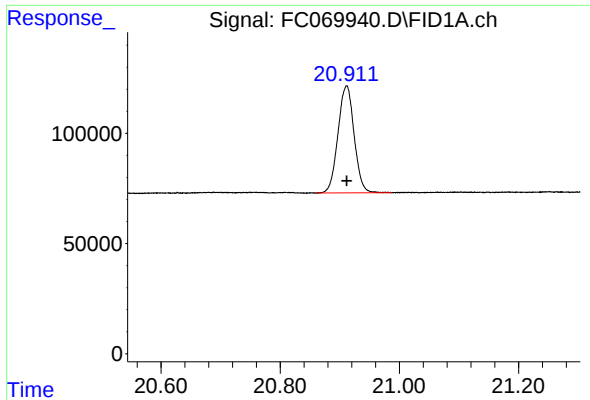
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

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



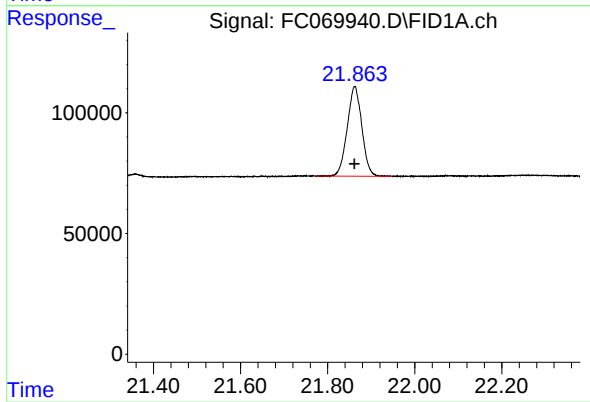
#21 n-Octatriacontane (C38)

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

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations
APPROVED

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



#22 n-Tetracontane (C40)

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

rteres

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

Manual IntegrationsAPPROVED

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

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

Integration File: autoint1.e

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

Signal : FID1A.ch

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

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

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

Instrument :
 FID_C
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

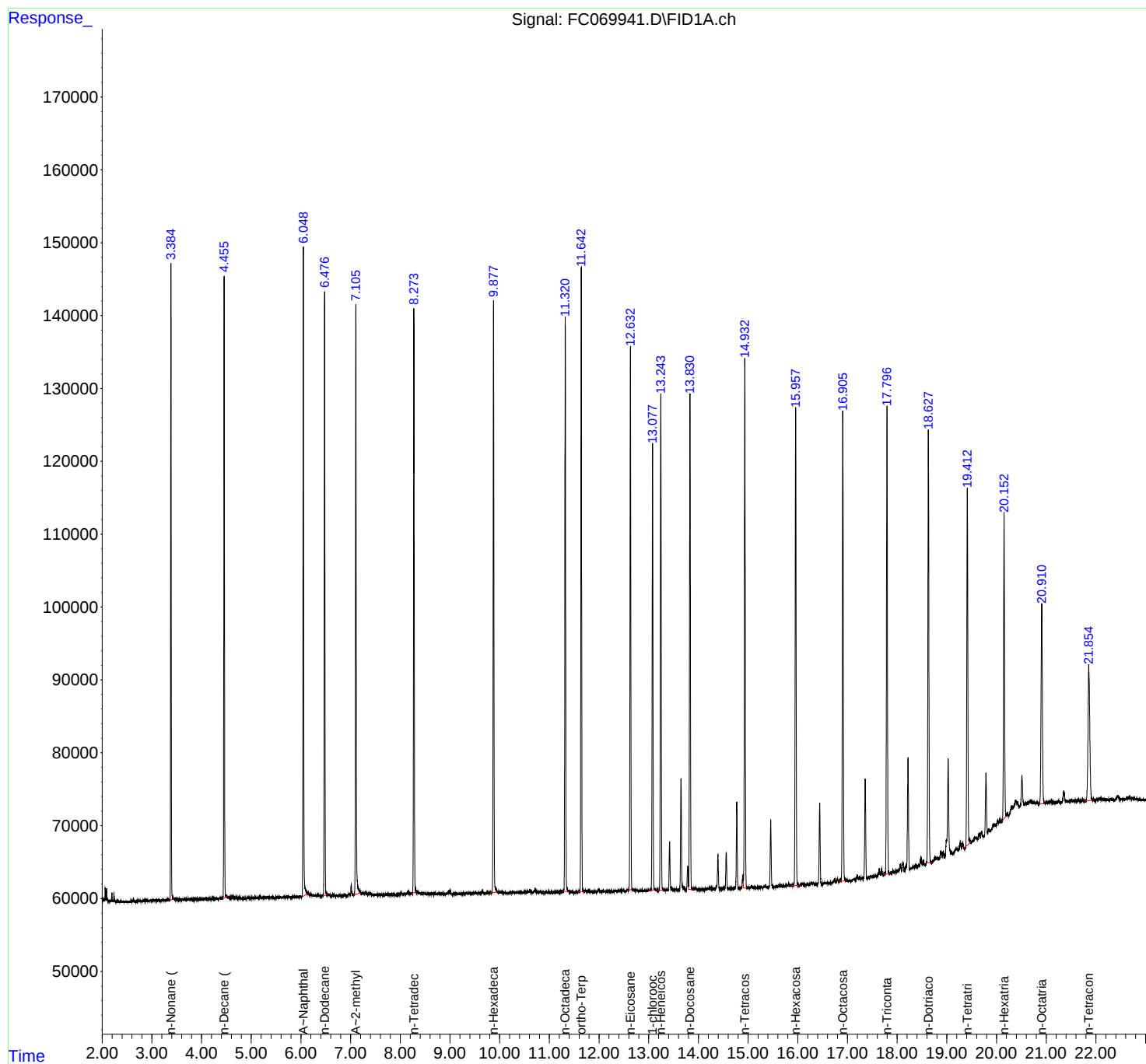
(m)=manual int.

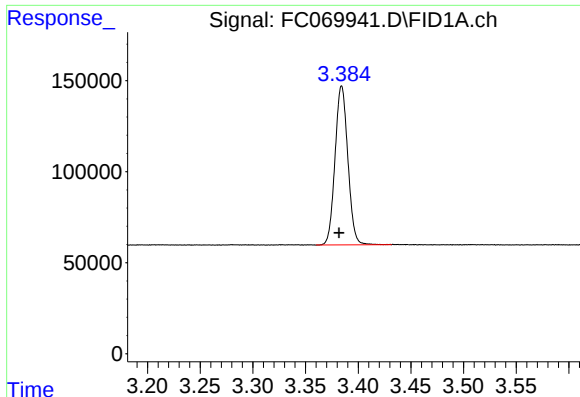
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069941.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 19:19
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

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

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

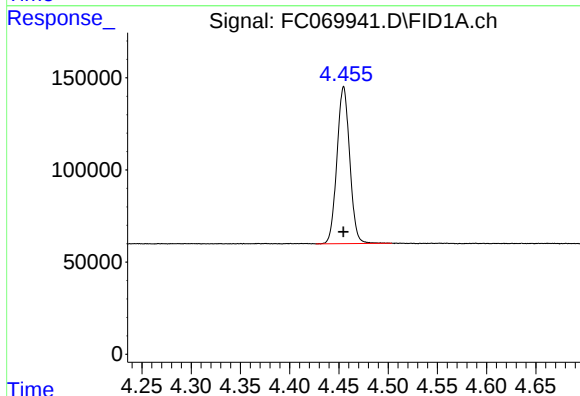




#1 n-Nonane (C9)

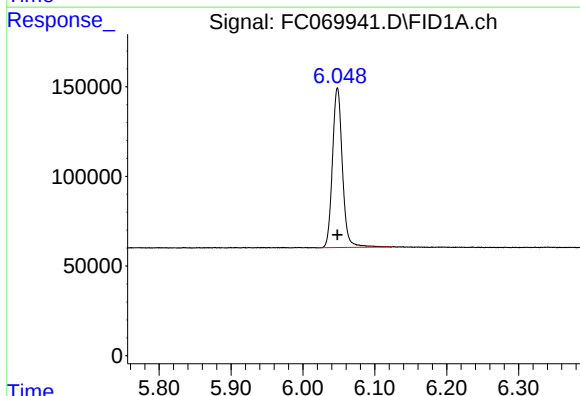
R.T.: 3.384 min
Delta R.T.: 0.002 min
Response: 738481
Conc: 5.71 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



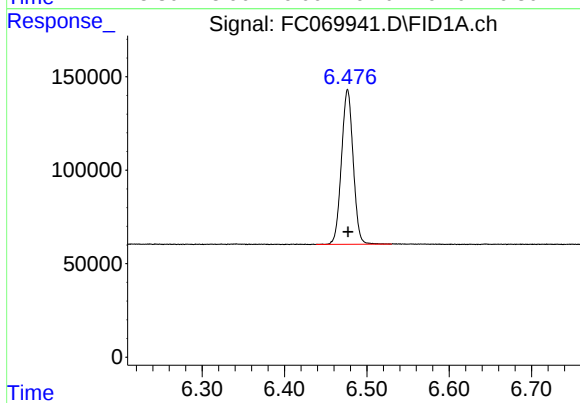
#2 n-Decane (C10)

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



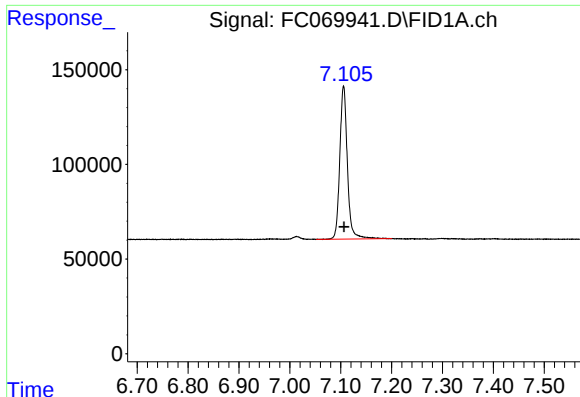
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

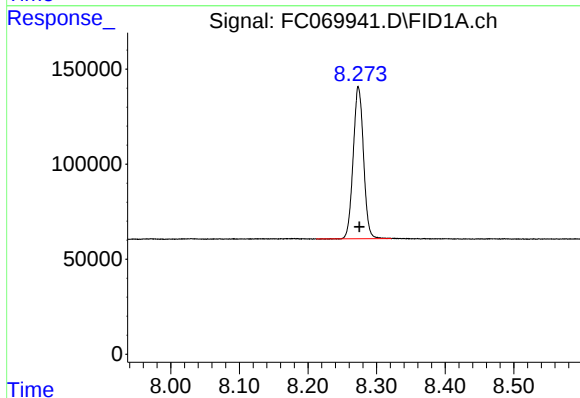
R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 814407
Conc: 5.68 ug/ml



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

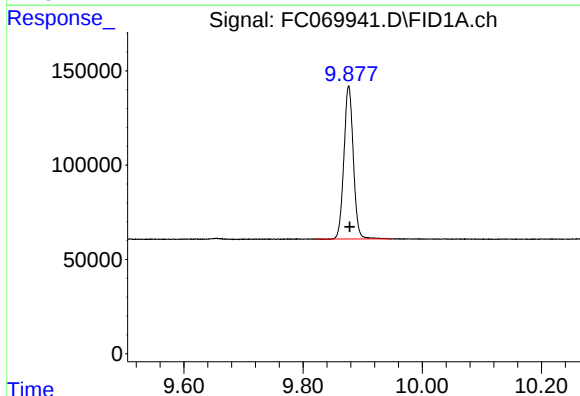
R.T.: 7.106 min
Delta R.T.: 0.000 min
Response: 839181
Conc: 5.61 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



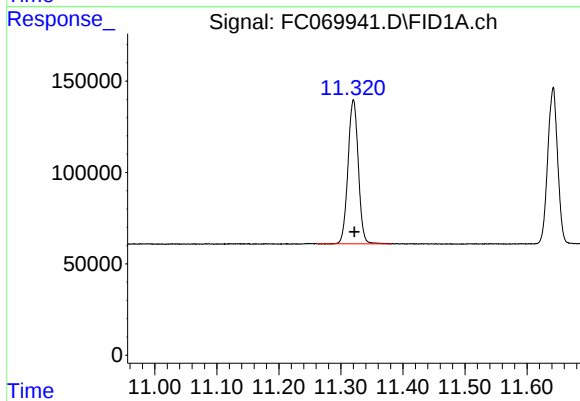
#6 n-Tetradecane (C14)

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



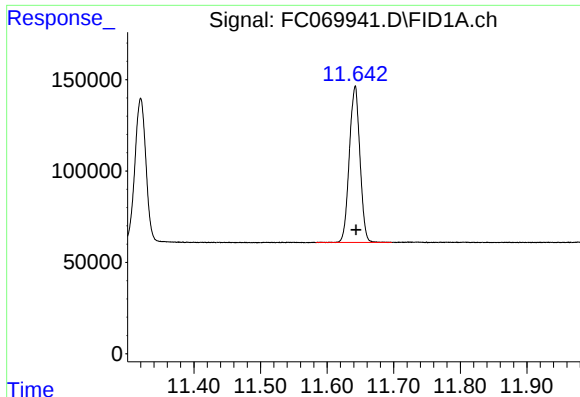
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

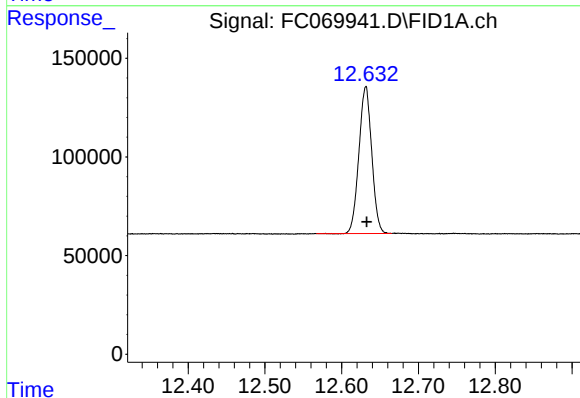
R.T.: 11.320 min
Delta R.T.: -0.002 min
Response: 907348
Conc: 5.74 ug/ml



#9 ortho-Terphenyl (SURR)

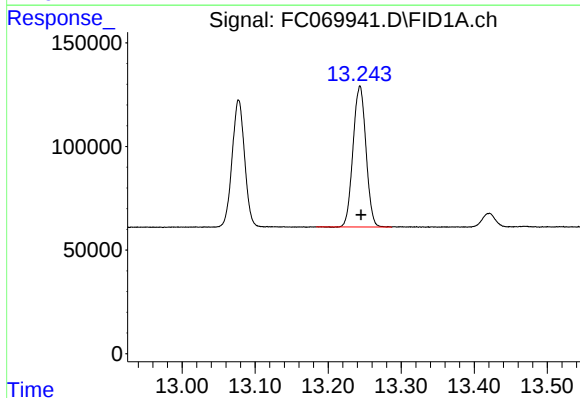
R.T.: 11.642 min
Delta R.T.: -0.002 min
Response: 945317
Conc: 5.85 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



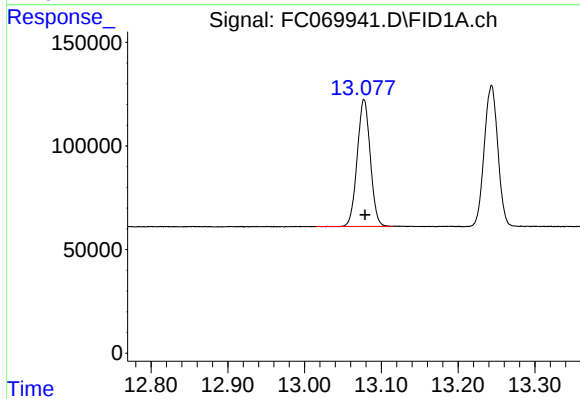
#10 n-Eicosane (C20)

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



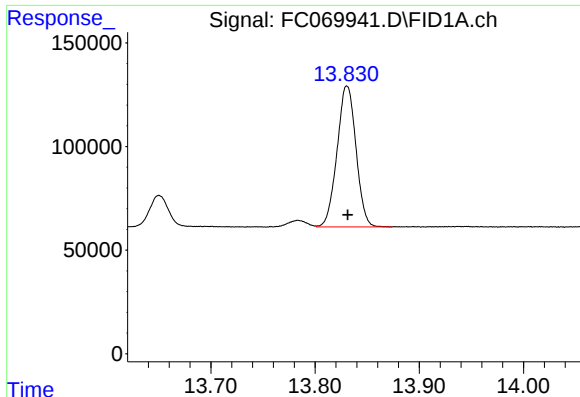
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

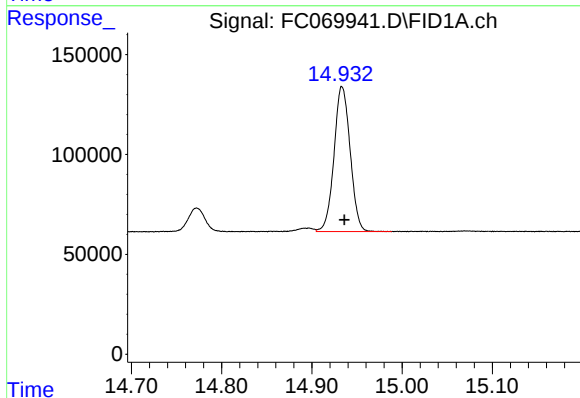
R.T.: 13.077 min
Delta R.T.: -0.002 min
Response: 725060
Conc: 5.80 ug/ml



#13 n-Docosane (C22)

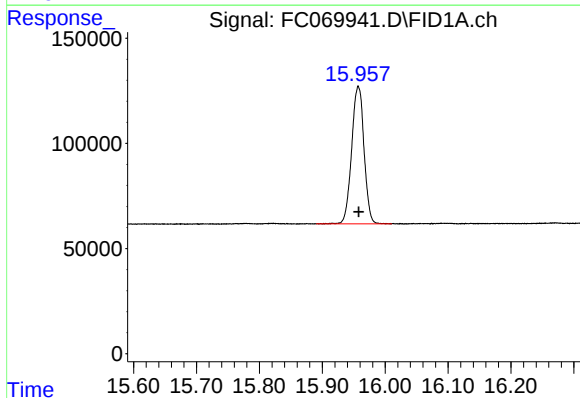
R.T.: 13.831 min
Delta R.T.: 0.000 min
Response: 859000
Conc: 6.16 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



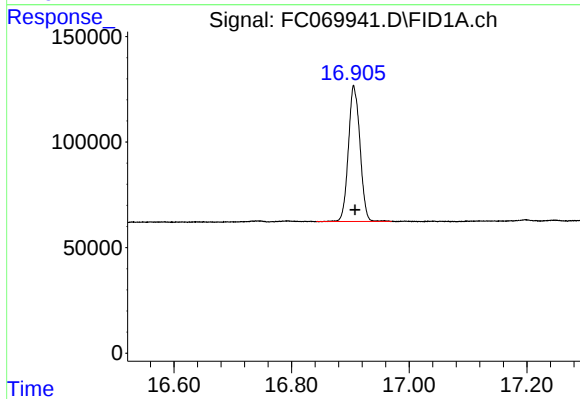
#14 n-Tetracosane (C24)

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



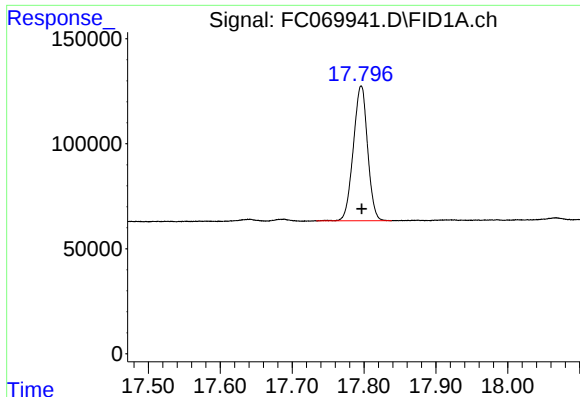
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

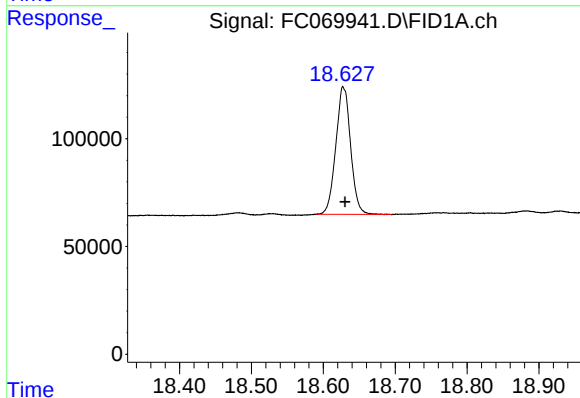
R.T.: 16.906 min
Delta R.T.: -0.002 min
Response: 879183
Conc: 7.45 ug/ml



#17 n-Tricontane (C30)

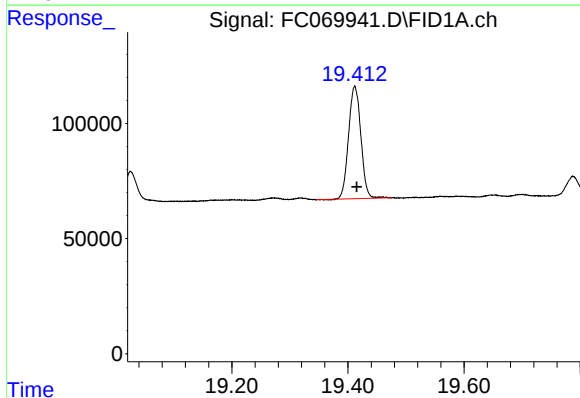
R.T.: 17.796 min
Delta R.T.: -0.001 min
Response: 882722
Conc: 7.66 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



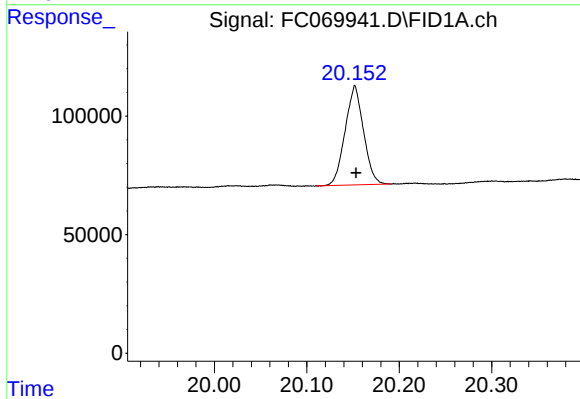
#18 n-Dotriacontane (C32)

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



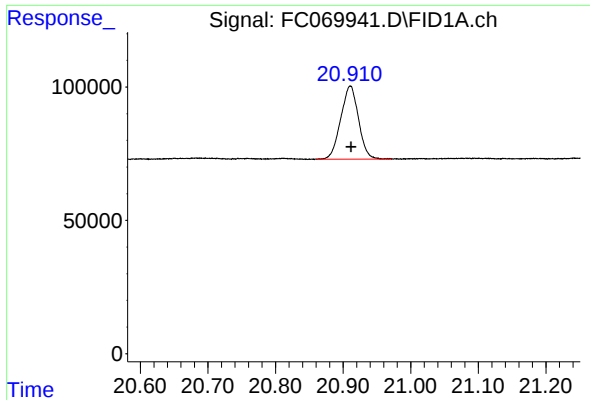
#19 n-Tetratriacontane (C34)

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



#20 n-Hexatriacontane (C36)

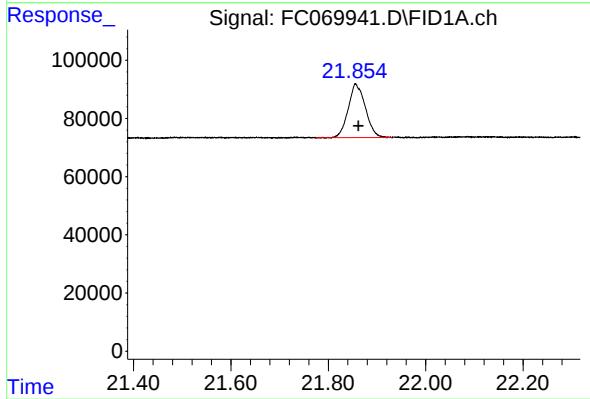
R.T.: 20.152 min
Delta R.T.: -0.001 min
Response: 578690
Conc: 6.75 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1A.ch

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

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

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

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

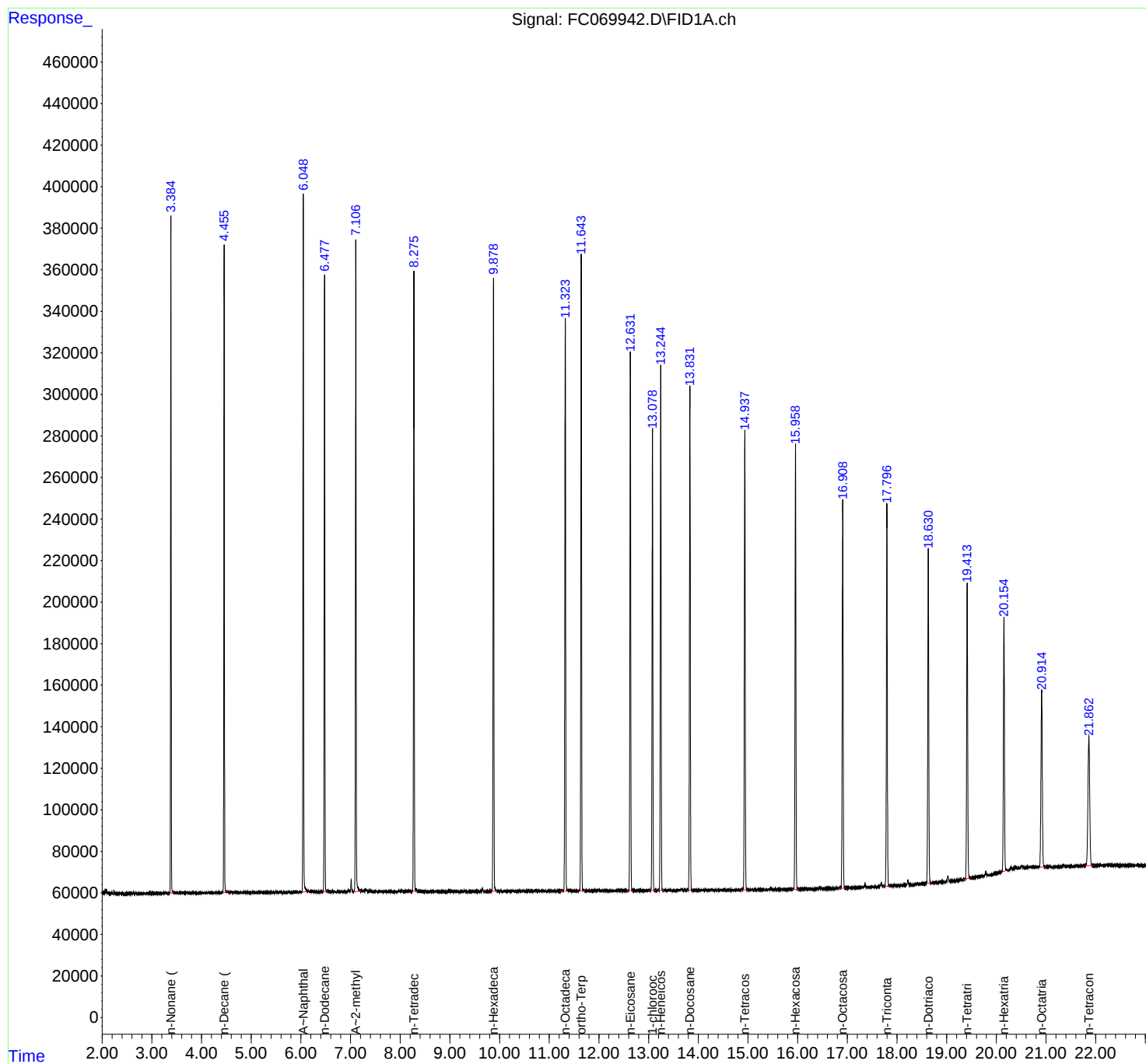
(m)=manual int.

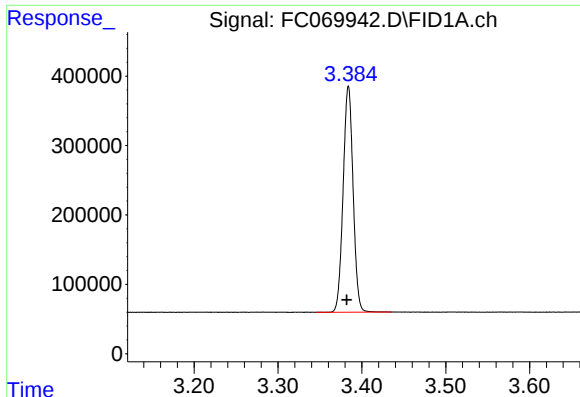
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069942.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 20:02
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

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

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

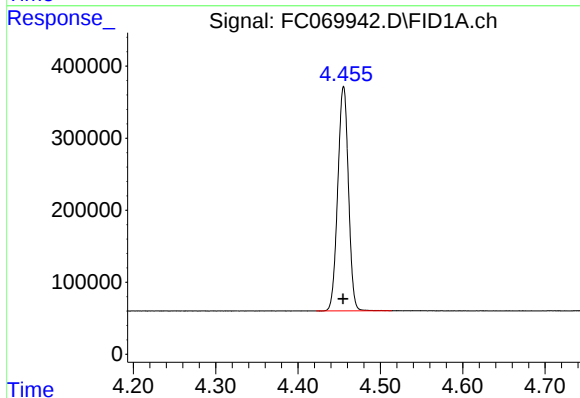




#1 n-Nonane (C9)

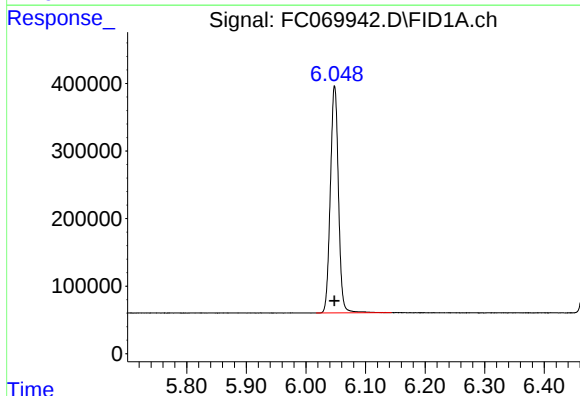
R.T.: 3.384 min
Delta R.T.: 0.002 min
Response: 2690163
Conc: 19.59 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



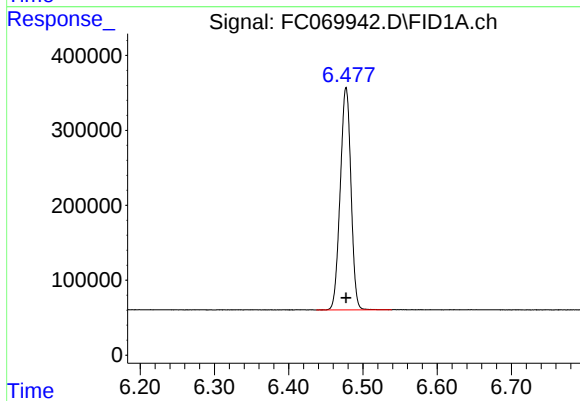
#2 n-Decane (C10)

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



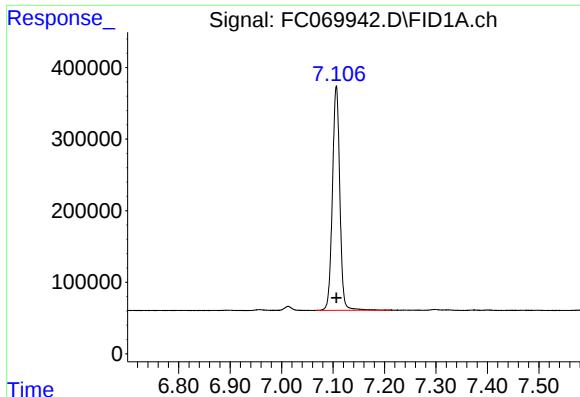
#3 A~Naphthalene (C11.7)

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



#4 n-Dodecane (C12)

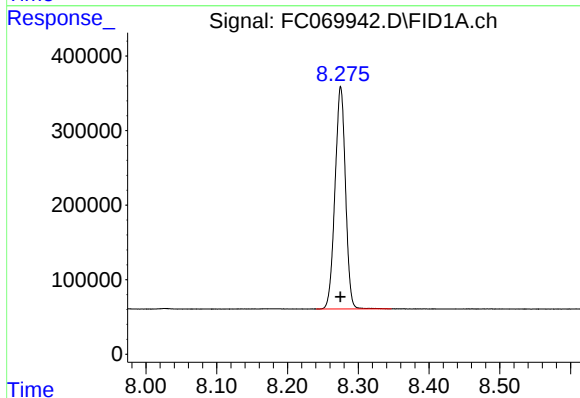
R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 2978686
Conc: 19.43 ug/ml



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

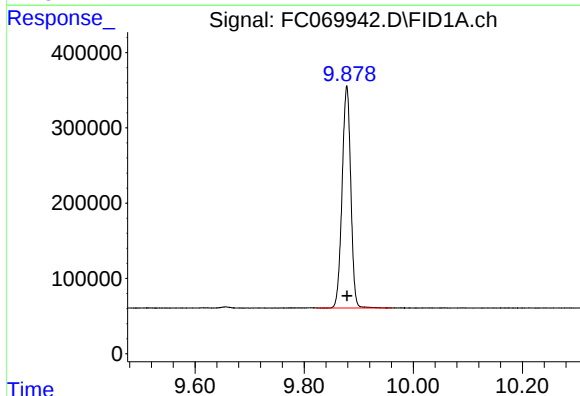
R.T.: 7.106 min
Delta R.T.: 0.000 min
Response: 3136946
Conc: 19.66 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



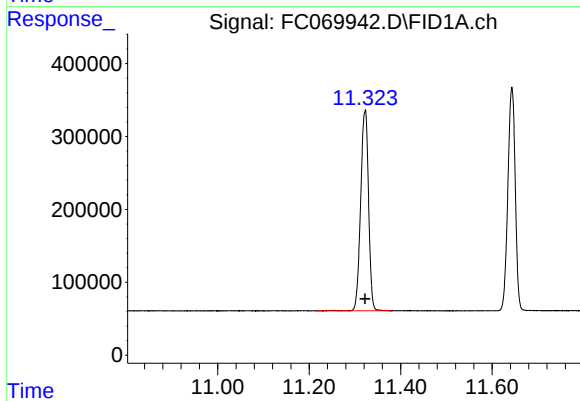
#6 n-Tetradecane (C14)

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



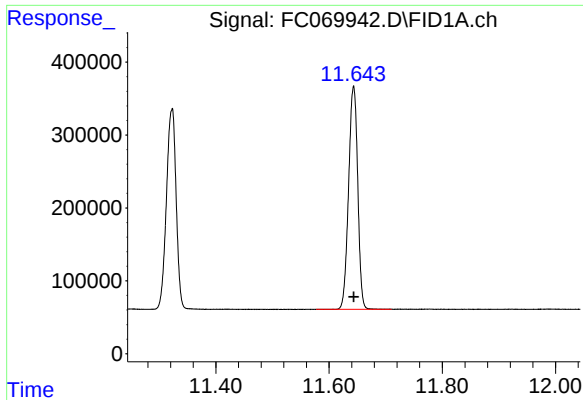
#7 n-Hexadecane (C16)

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



#8 n-Octadecane (C18)

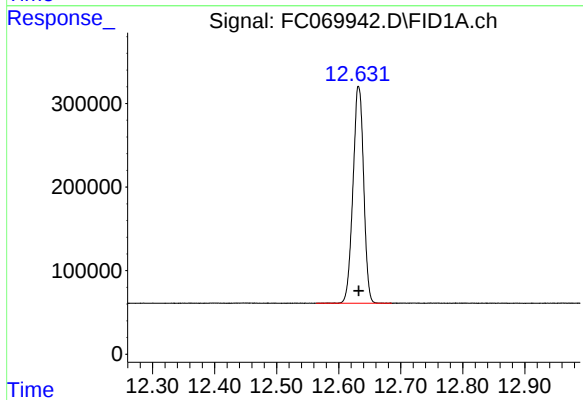
R.T.: 11.322 min
Delta R.T.: 0.000 min
Response: 3293110
Conc: 19.36 ug/ml



#9 ortho-Terphenyl (SURR)

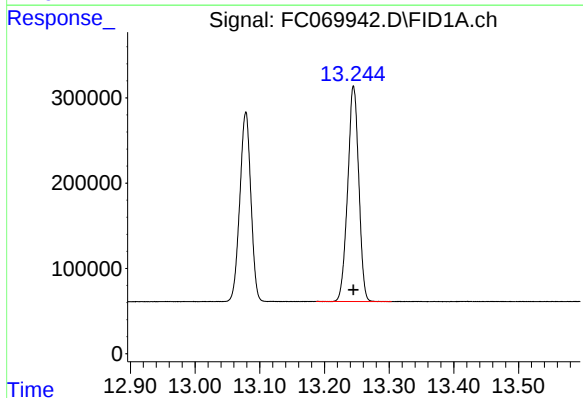
R.T.: 11.643 min
Delta R.T.: 0.000 min
Response: 3426826
Conc: 19.51 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



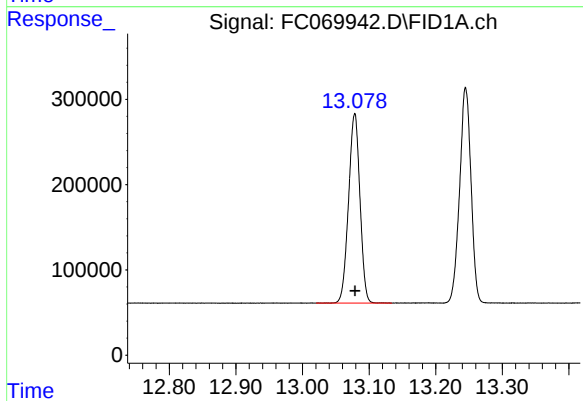
#10 n-Eicosane (C20)

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



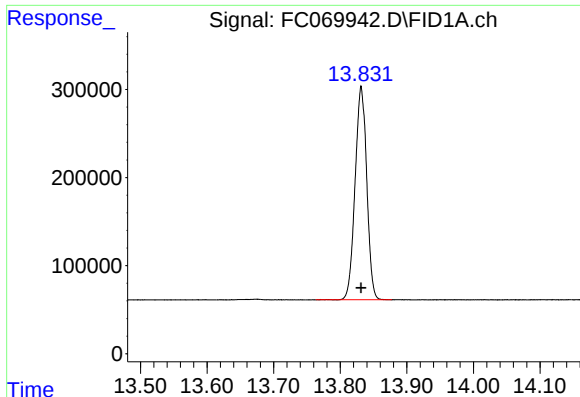
#11 n-Heneicosane (C21)

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



#12 1-chlorooctadecane (SURR)

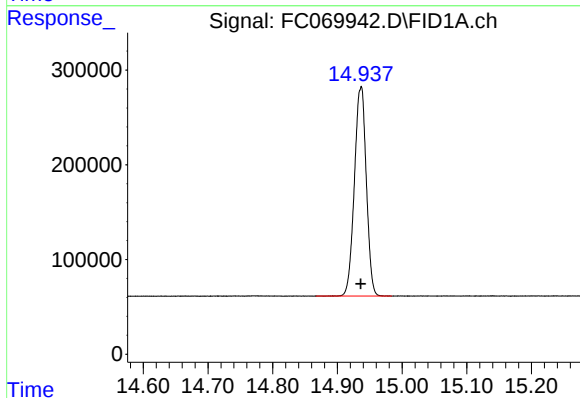
R.T.: 13.078 min
Delta R.T.: 0.000 min
Response: 2637598
Conc: 19.43 ug/ml



#13 n-Docosane (C22)

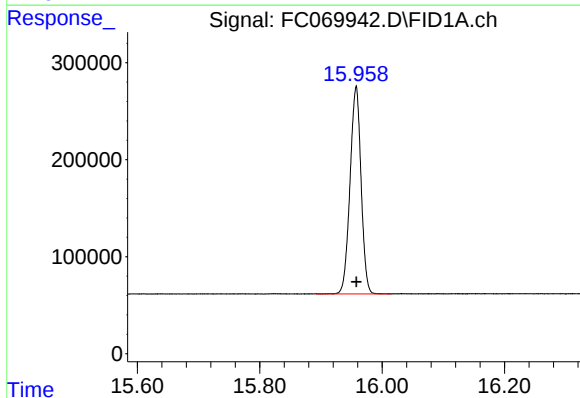
R.T.: 13.832 min
Delta R.T.: 0.000 min
Response: 2942368
Conc: 19.12 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



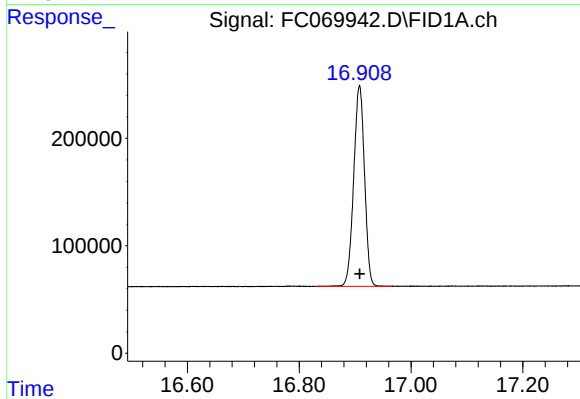
#14 n-Tetracosane (C24)

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



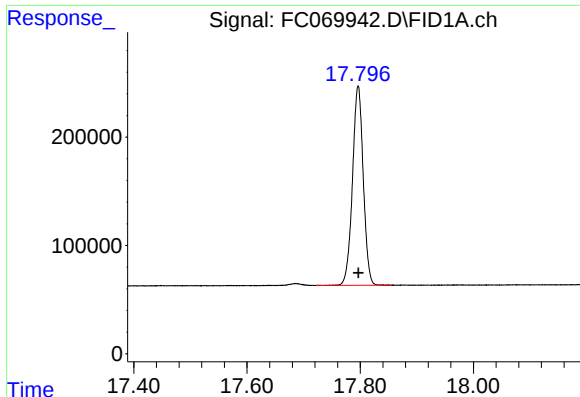
#15 n-Hexacosane (C26)

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



#16 n-Octacosane (C28)

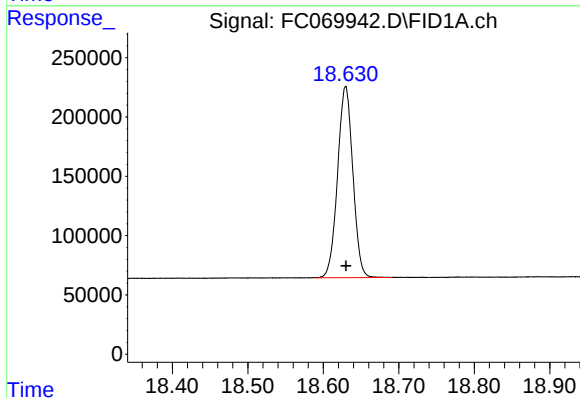
R.T.: 16.908 min
Delta R.T.: 0.000 min
Response: 2509230
Conc: 18.14 ug/ml



#17 n-Tricontane (C30)

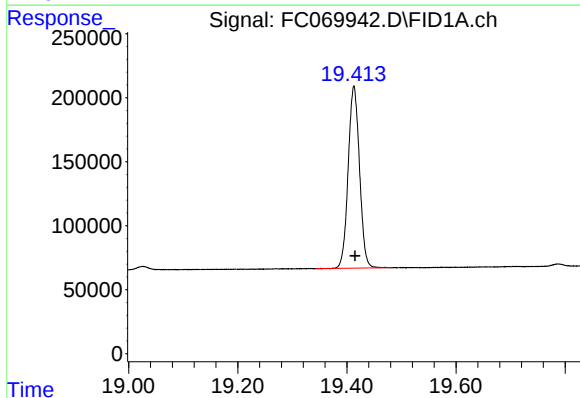
R.T.: 17.796 min
Delta R.T.: 0.000 min
Response: 2433398
Conc: 17.82 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



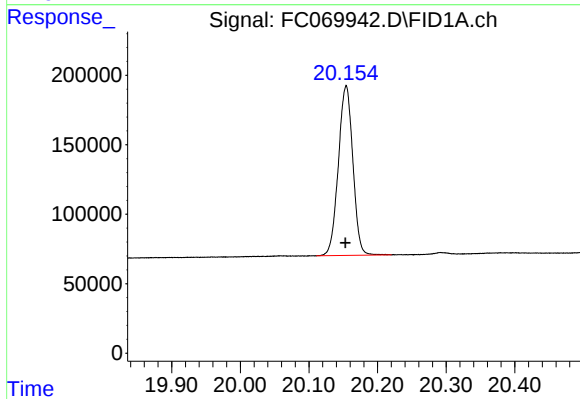
#18 n-Dotriacontane (C32)

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



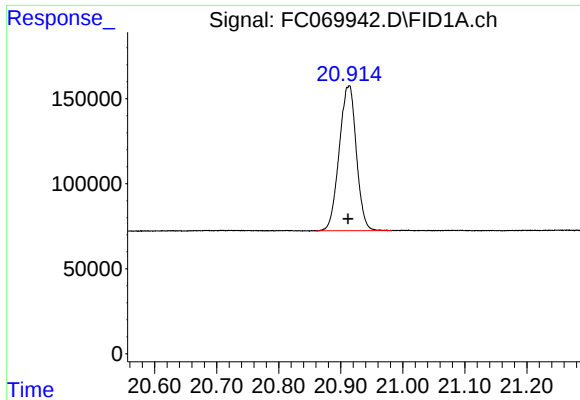
#19 n-Tetatriacontane (C34)

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



#20 n-Hexatriacontane (C36)

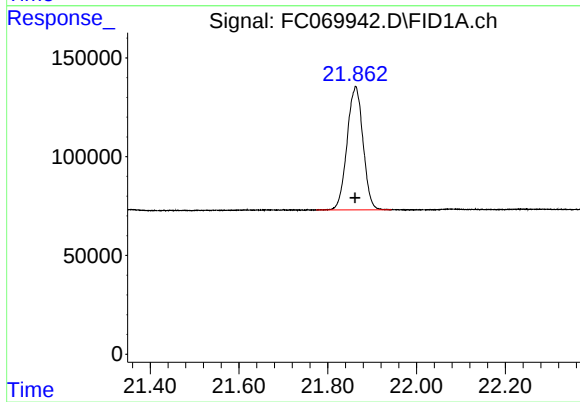
R.T.: 20.154 min
Delta R.T.: 0.000 min
Response: 1789545
Conc: 18.50 ug/ml



#21 n-Octatriacontane (C38)

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

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

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

Signal : FID1A.ch

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

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

Initial Calibration Report for SequenceID : FE101725AL

AreaCount

Parameter Range	FE056351.D	FE056352.D	FE056353.D	FE056354.D	FE056355.D	
Aliphatic C9-C12	51362304.000	24484485.000	9331252.000	4992223.000	2535328.000	
Aliphatic C12-C16	35984562.000	17024793.000	6419212.000	3420807.000	1710363.000	
Aliphatic C16-C21	54557902.000	26111407.000	10017652.000	5459302.000	2824749.000	
Aliphatic C21-C28	69668452.000	33858844.000	12770130.000	7257411.000	4218376.000	
Aliphatic C28-C40	72014023.000	39678481.000	14821782.000	8648098.000	5222376.000	
Aliphatic EPH	283587243.000	141158010.000	53360028.000	29777841.000	16511192.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	165077.549333	3.705				
Aliphatic C12-C16	170545.538	4.039				
Aliphatic C16-C21	178637.9839996	4.619				
Aliphatic C21-C28	179089.21	10.876				
Aliphatic C28-C40	138802.798333	15.71				
Aliphatic EPH	162300.6281108	8.197				

Concentration

Parameter Range	FE056351.D	FE056352.D	FE056353.D	FE056354.D	FE056355.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	FE056351.D	FE056352.D	FE056353.D	FE056354.D	FE056355.D	
Aliphatic C9-C12	171207.680000	163229.900000	155520.866666	166407.433333	169021.866666	
Aliphatic C12-C16	179922.810000	170247.930000	160480.300000	171040.350000	171036.300000	
Aliphatic C16-C21	181859.673333	174076.046666	166960.866666	181976.733333	188316.600000	

Initial Calibration Report for SequenceID : FE101725AL

Aliphatic C21-C28	174171.130000	169294.220000	159626.625000	181435.275000	210918.800000	
Aliphatic C28-C40	120023.371666	132261.603333	123514.850000	144134.966666	174079.200000	
Aliphatic EPH	157548.468333	156842.233333	148222.300000	165432.450000	183457.688888	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
 Data File : FE056351.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 17:30
 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 17 08:22:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 08:21:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.064	20852864	108.984 ug/ml
Spiked Amount 50.000		Recovery =	217.97%
12) S 1-chlorooctadecane (S...	13.498	15819424	110.343 ug/ml
Spiked Amount 50.000		Recovery =	220.69%
Target Compounds			
1) T n-Nonane (C9)	3.403	16701525	108.675 ug/ml
2) T n-Decane (C10)	4.658	17110103	110.237 ug/ml
3) T A~Naphthalene (C11.7)	6.375	18882703	112.318 ug/ml
4) T n-Dodecane (C12)	6.832	17550676	111.314 ug/ml
5) T A~2-methylnaphthalene...	7.477	18456816	115.415 ug/ml
6) T n-Tetradecane (C14)	8.669	17622151	112.804 ug/ml
7) T n-Hexadecane (C16)	10.285	18362411	111.462 ug/ml
8) T n-Octadecane (C18)	11.736	18690483	109.385 ug/ml
10) T n-Eicosane (C20)	13.050	18055108	108.766 ug/ml
11) T n-Heneicosane (C21)	13.665	17812311	108.602 ug/ml
13) T n-Docosane (C22)	14.253	17739457	109.132 ug/ml
14) T n-Tetracosane (C24)	15.360	17696970	109.148 ug/ml
15) T n-Hexacosane (C26)	16.384	17350154	109.075 ug/ml
16) T n-Octacosane (C28)	17.336	16881871	109.090 ug/ml
17) T n-Tricontane (C30)	18.225	16886172	107.821 ug/ml
18) T n-Dotriacontane (C32)	19.060	15916843	106.136 ug/ml
19) T n-Tetratriacontane (C34)	19.844	13701503	101.361 ug/ml
20) T n-Hexatriacontane (C36)	20.583	10404717	90.355 ug/ml
21) T n-Octatriacontane (C38)	21.354	8143025	82.504 ug/ml
22) T n-Tetracontane (C40)	22.329	6961763	81.441 ug/ml

(f)=RT Delta > 1/2 Window

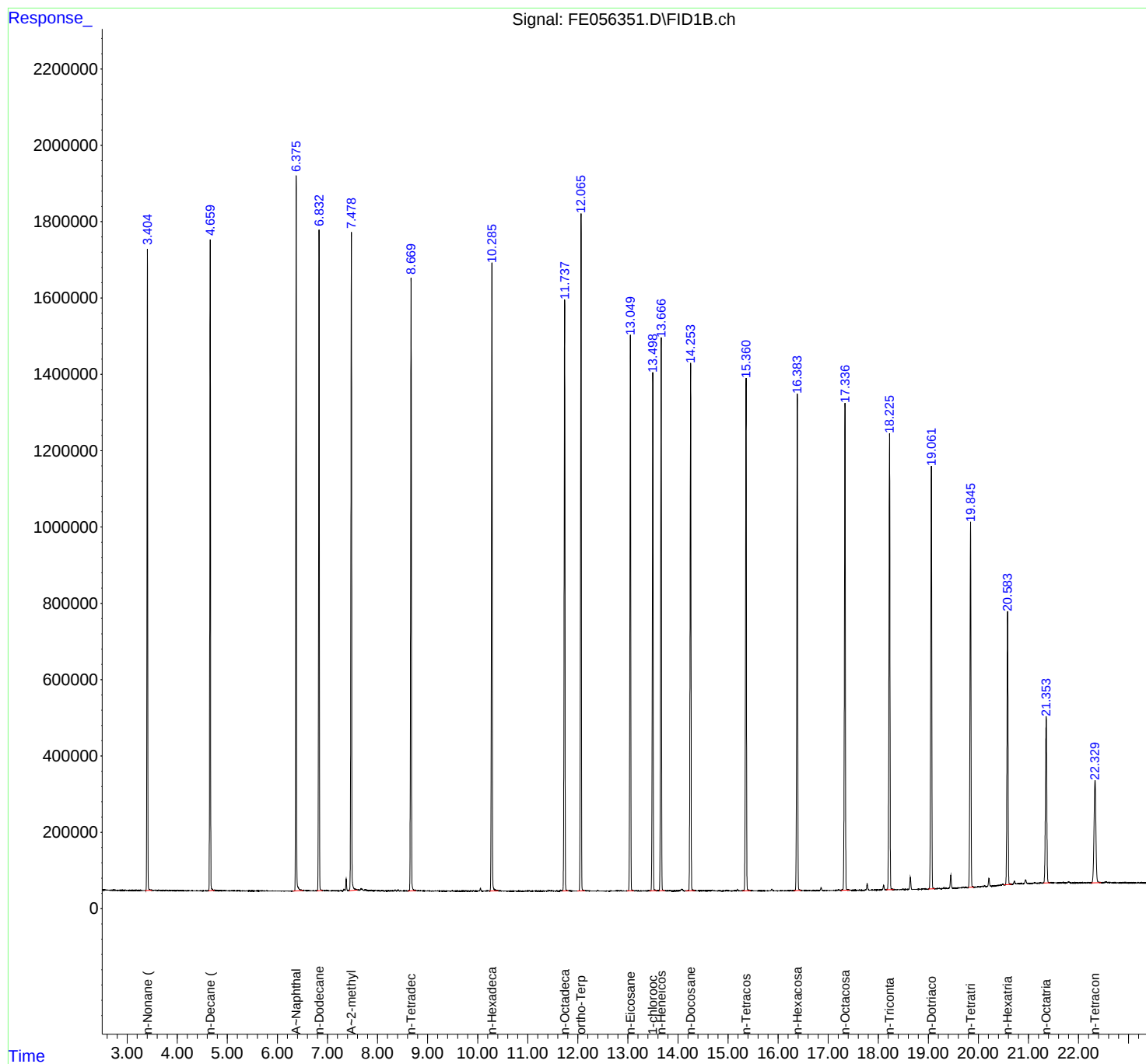
(m)=manual int.

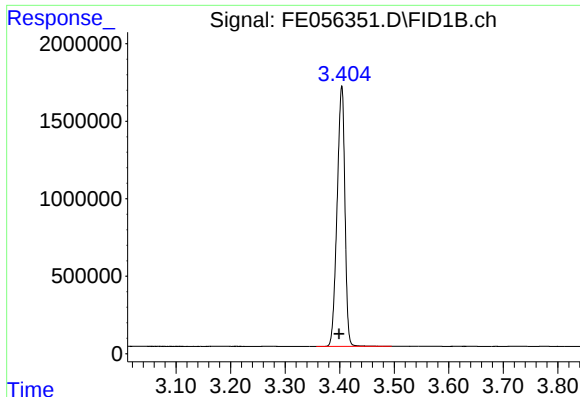
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
Data File : FE056351.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 17:30
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 17 08:22:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 08:21:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

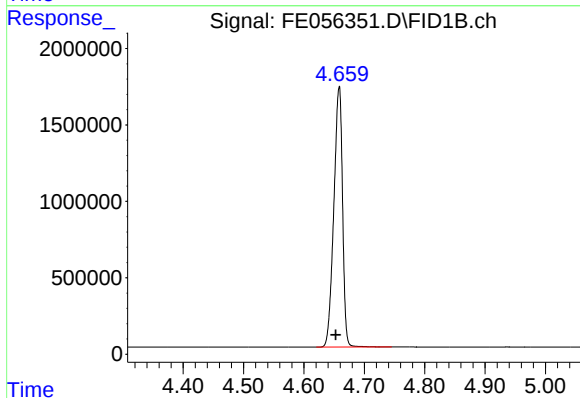




#1 n-Nonane (C9)

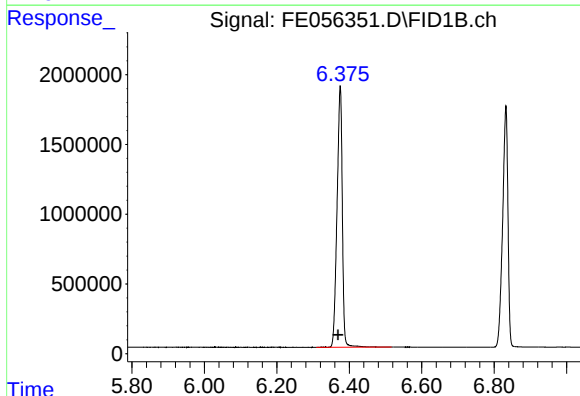
R.T.: 3.403 min
Delta R.T.: 0.004 min
Response: 16701525
Conc: 108.68 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



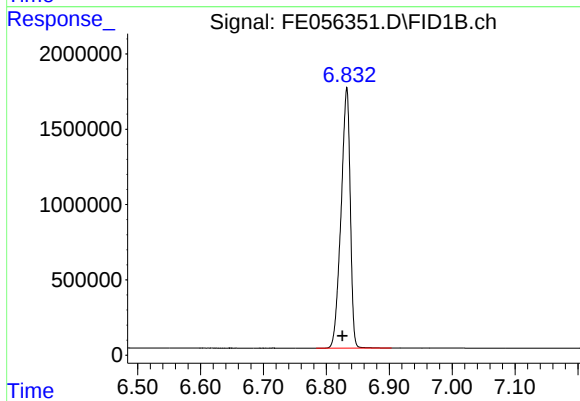
#2 n-Decane (C10)

R.T.: 4.658 min
Delta R.T.: 0.006 min
Response: 17110103
Conc: 110.24 ug/ml



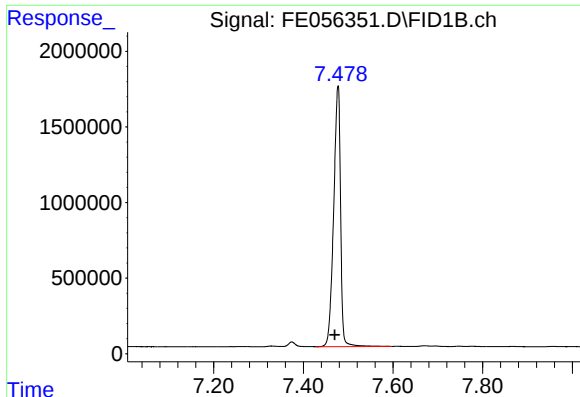
#3 A~Naphthalene (C11.7)

R.T.: 6.375 min
Delta R.T.: 0.006 min
Response: 18882703
Conc: 112.32 ug/ml



#4 n-Dodecane (C12)

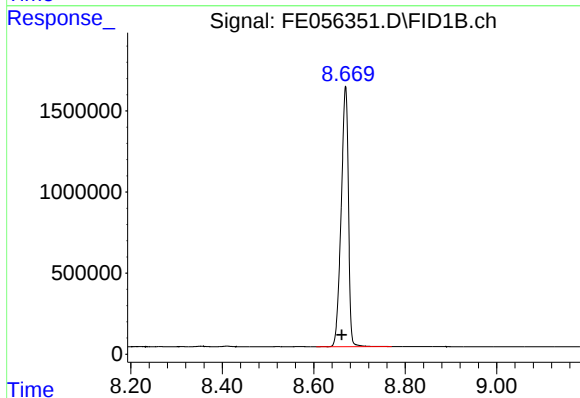
R.T.: 6.832 min
Delta R.T.: 0.007 min
Response: 17550676
Conc: 111.31 ug/ml



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

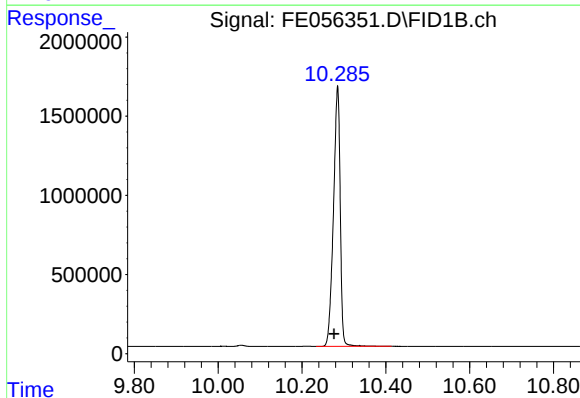
R.T.: 7.477 min
Delta R.T.: 0.007 min
Response: 18456816
Conc: 115.41 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



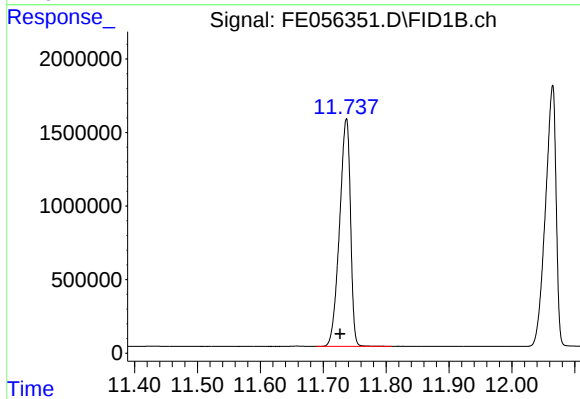
#6 n-Tetradecane (C14)

R.T.: 8.669 min
Delta R.T.: 0.008 min
Response: 17622151
Conc: 112.80 ug/ml



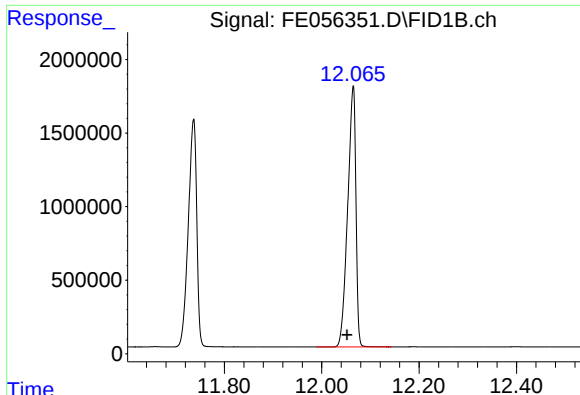
#7 n-Hexadecane (C16)

R.T.: 10.285 min
Delta R.T.: 0.008 min
Response: 18362411
Conc: 111.46 ug/ml



#8 n-Octadecane (C18)

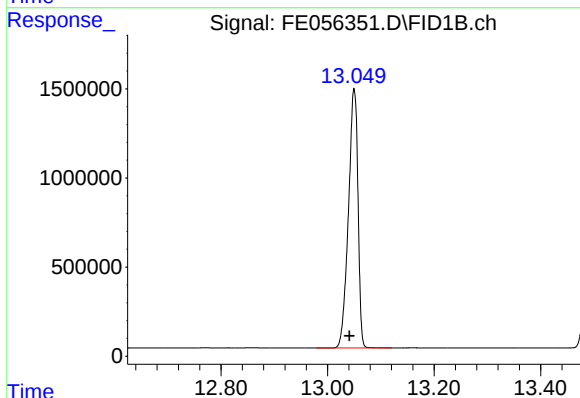
R.T.: 11.736 min
Delta R.T.: 0.010 min
Response: 18690483
Conc: 109.39 ug/ml



#9 ortho-Terphenyl (SURR)

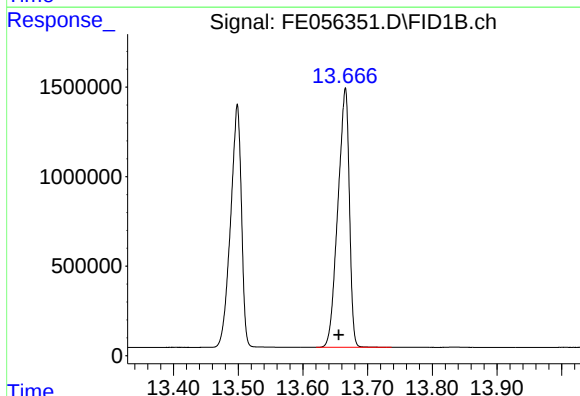
R.T.: 12.064 min
Delta R.T.: 0.012 min
Response: 20852864
Conc: 108.98 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



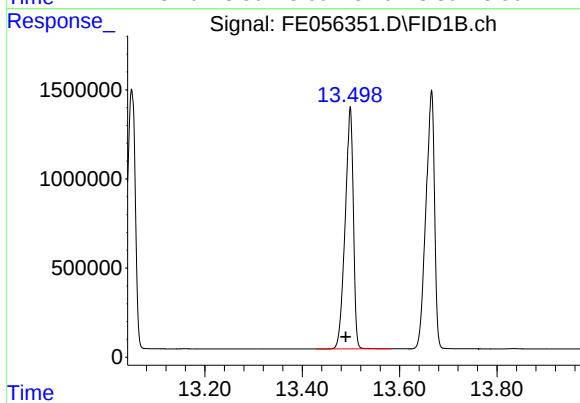
#10 n-Eicosane (C20)

R.T.: 13.050 min
Delta R.T.: 0.009 min
Response: 18055108
Conc: 108.77 ug/ml



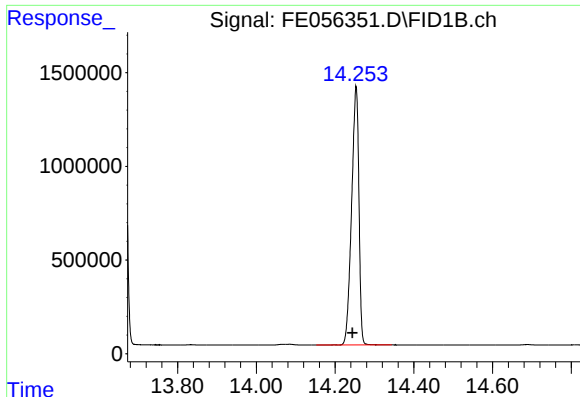
#11 n-Heneicosane (C21)

R.T.: 13.665 min
Delta R.T.: 0.010 min
Response: 17812311
Conc: 108.60 ug/ml



#12 1-chlorooctadecane (SURR)

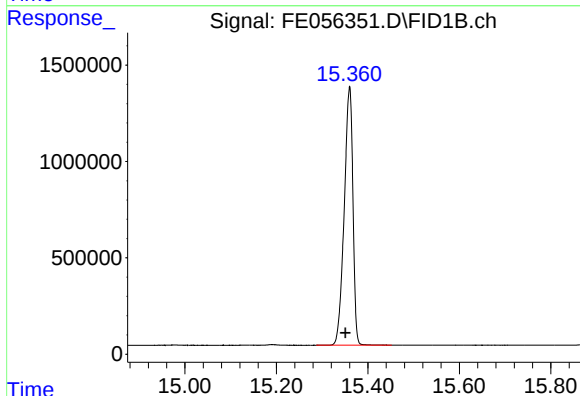
R.T.: 13.498 min
Delta R.T.: 0.009 min
Response: 15819424
Conc: 110.34 ug/ml



#13 n-Docosane (C22)

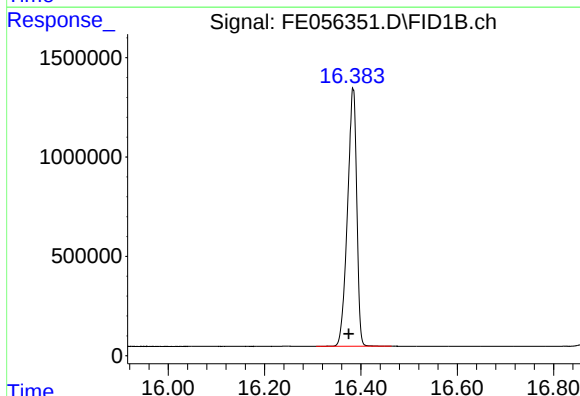
R.T.: 14.253 min
Delta R.T.: 0.009 min
Response: 17739457
Conc: 109.13 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



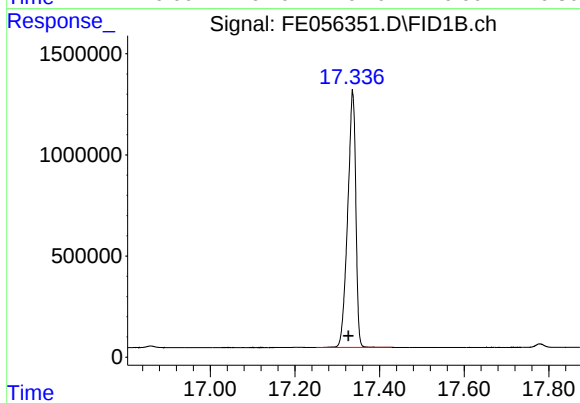
#14 n-Tetracosane (C24)

R.T.: 15.360 min
Delta R.T.: 0.009 min
Response: 17696970
Conc: 109.15 ug/ml



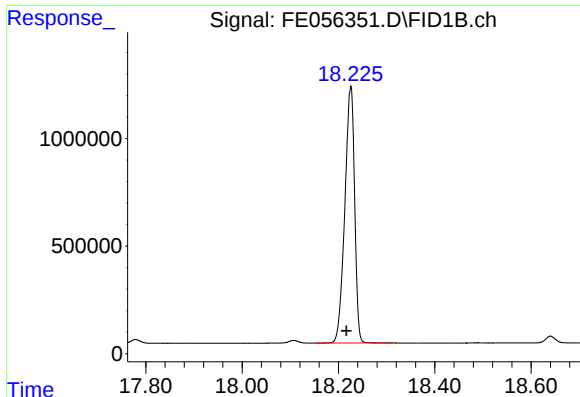
#15 n-Hexacosane (C26)

R.T.: 16.384 min
Delta R.T.: 0.009 min
Response: 17350154
Conc: 109.08 ug/ml



#16 n-Octacosane (C28)

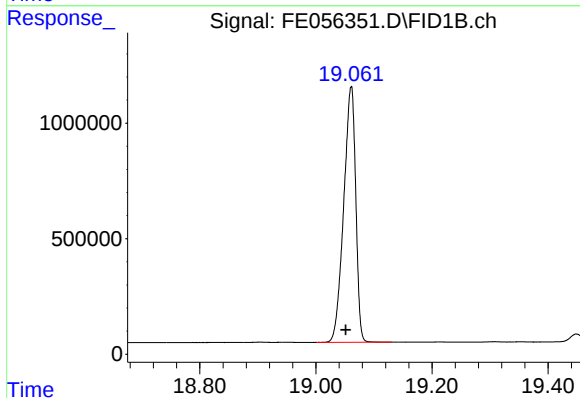
R.T.: 17.336 min
Delta R.T.: 0.010 min
Response: 16881871
Conc: 109.09 ug/ml



#17 n-Tricontane (C30)

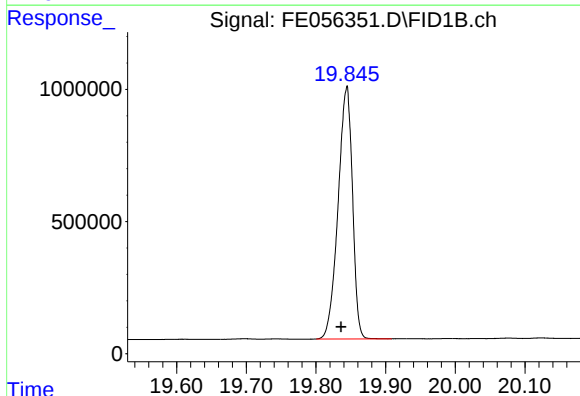
R.T.: 18.225 min
Delta R.T.: 0.008 min
Response: 16886172
Conc: 107.82 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



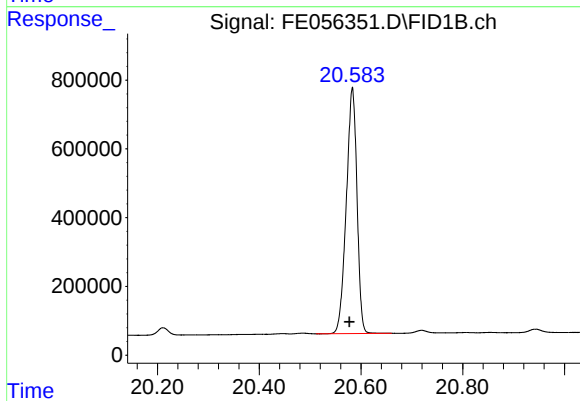
#18 n-Dotriacontane (C32)

R.T.: 19.060 min
Delta R.T.: 0.009 min
Response: 15916843
Conc: 106.14 ug/ml



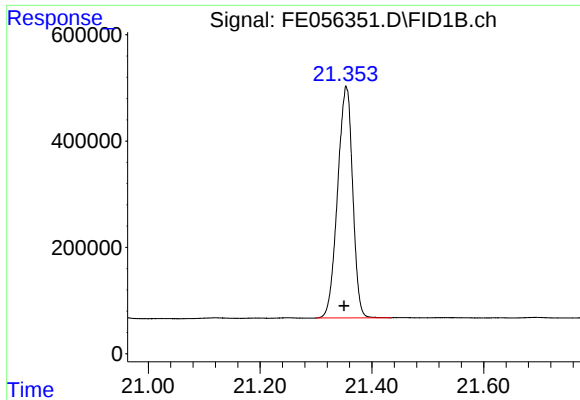
#19 n-Tetratriacontane (C34)

R.T.: 19.844 min
Delta R.T.: 0.008 min
Response: 13701503
Conc: 101.36 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.583 min
Delta R.T.: 0.005 min
Response: 10404717
Conc: 90.35 ug/ml



#21 n-Octatriacontane (C38)

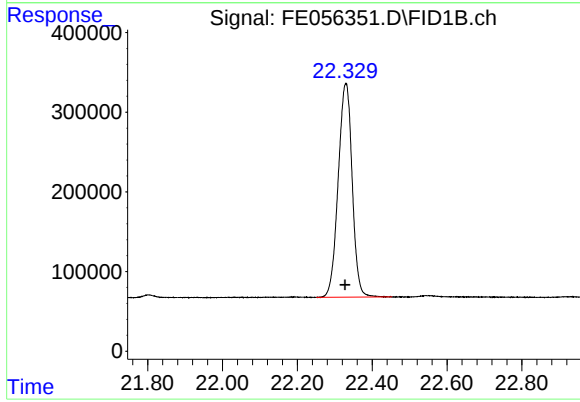
R.T.: 21.354 min
Delta R.T.: 0.004 min
Response: 8143025
Conc: 82.50 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.329 min
Delta R.T.: 0.002 min
Response: 6961763
Conc: 81.44 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
Data File : FE056351.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 17:30
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 101725.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	3.403	3.357	3.495	BB	1683786	16701525	80.09%	4.670%
2	4.658	4.620	4.745	BB	1714211	17110103	82.05%	4.785%
3	6.375	6.309	6.517	BB	1884447	18882703	90.55%	5.280%
4	6.832	6.784	6.904	BB	1725004	17550676	84.16%	4.908%
5	7.477	7.429	7.597	PV	1726114	18456816	88.51%	5.161%
6	8.669	8.605	8.770	BB	1605496	17622151	84.51%	4.928%
7	10.285	10.234	10.414	BB	1654045	18362411	88.06%	5.135%
8	11.736	11.689	11.809	BB	1552371	18690483	89.63%	5.227%
9	12.064	11.989	12.144	BB	1762902	20852864	100.00%	5.831%
10	13.050	12.979	13.120	BB	1453303	18055108	86.58%	5.049%
11	13.498	13.429	13.584	BB	1362035	15819424	75.86%	4.424%
12	13.665	13.620	13.737	BB	1451960	17812311	85.42%	4.981%
13	14.253	14.152	14.344	BB	1383139	17739457	85.07%	4.961%
14	15.360	15.287	15.452	BB	1349086	17696970	84.87%	4.949%
15	16.384	16.307	16.464	BB	1297583	17350154	83.20%	4.852%
16	17.336	17.250	17.429	BB	1261168	16881871	80.96%	4.721%
17	18.225	18.154	18.310	BB	1192334	16886172	80.98%	4.722%
18	19.060	19.000	19.130	BB	1107431	15916843	76.33%	4.451%
19	19.844	19.800	19.909	BB	948672	13701503	65.71%	3.832%
20	20.583	20.512	20.660	BB	716890	10404717	49.90%	2.910%
21	21.354	21.300	21.435	BB	436151	8143025	39.05%	2.277%
22	22.329	22.250	22.452	BB	268062	6961763	33.39%	1.947%
Sum of corrected areas:						357599050		

Aliphatic EPH 101725.M Fri Oct 17 08:32:47 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
 Data File : FE056352.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 18:00
 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 17 08:22:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 08:21:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.057	9944859	51.975 ug/ml
Spiked Amount 50.000		Recovery =	103.95%
12) S 1-chlorooctadecane (S...	13.493	7535401	52.561 ug/ml
Spiked Amount 50.000		Recovery =	105.12%
Target Compounds			
1) T n-Nonane (C9)	3.401	8027434	52.234 ug/ml
2) T n-Decane (C10)	4.654	8151590	52.519 ug/ml
3) T A~Naphthalene (C11.7)	6.371	8930796	53.122 ug/ml
4) T n-Dodecane (C12)	6.828	8305461	52.677 ug/ml
5) T A~2-methylnaphthalene...	7.472	8709305	54.461 ug/ml
6) T n-Tetradecane (C14)	8.665	8312944	53.213 ug/ml
7) T n-Hexadecane (C16)	10.280	8711849	52.882 ug/ml
8) T n-Octadecane (C18)	11.730	8942054	52.333 ug/ml
10) T n-Eicosane (C20)	13.044	8645421	52.081 ug/ml
11) T n-Heneicosane (C21)	13.659	8523932	51.971 ug/ml
13) T n-Docosane (C22)	14.247	8531126	52.483 ug/ml
14) T n-Tetracosane (C24)	15.353	8610842	53.108 ug/ml
15) T n-Hexacosane (C26)	16.378	8452135	53.136 ug/ml
16) T n-Octacosane (C28)	17.330	8264741	53.406 ug/ml
17) T n-Tricontane (C30)	18.220	8292000	52.946 ug/ml
18) T n-Dotriacontane (C32)	19.054	7932430	52.895 ug/ml
19) T n-Tetratriacontane (C34)	19.840	7118725	52.663 ug/ml
20) T n-Hexatriacontane (C36)	20.580	6063460	52.655 ug/ml
21) T n-Octatriacontane (C38)	21.350	5354430	54.251 ug/ml
22) T n-Tetracontane (C40)	22.327	4917436	57.525 ug/ml

(f)=RT Delta > 1/2 Window

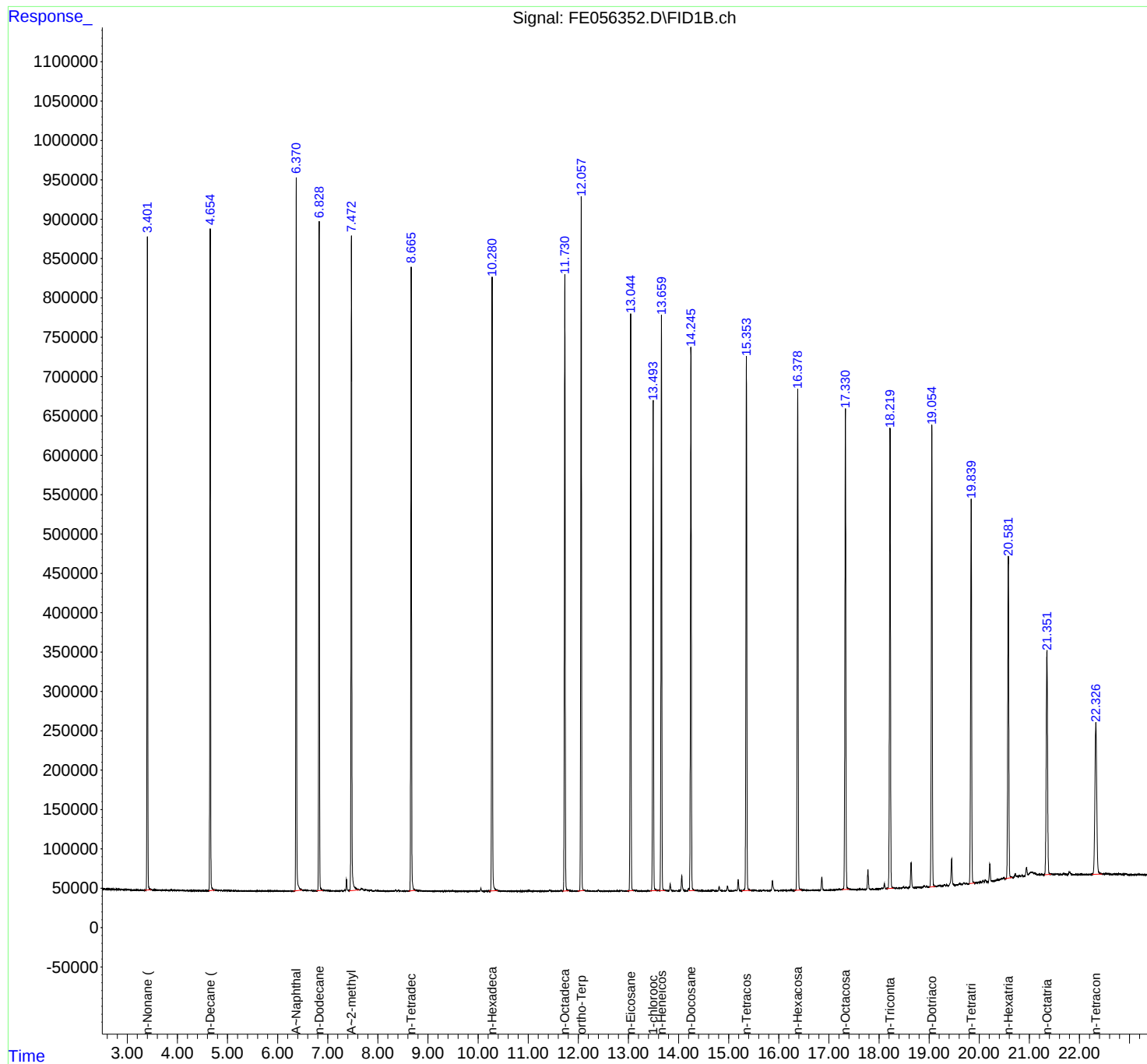
(m)=manual int.

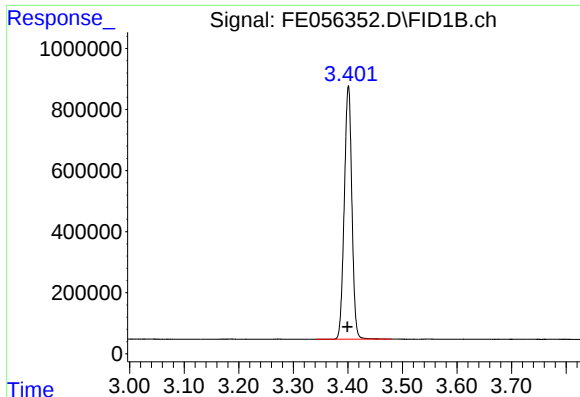
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
Data File : FE056352.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 18:00
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 17 08:22:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 08:21:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

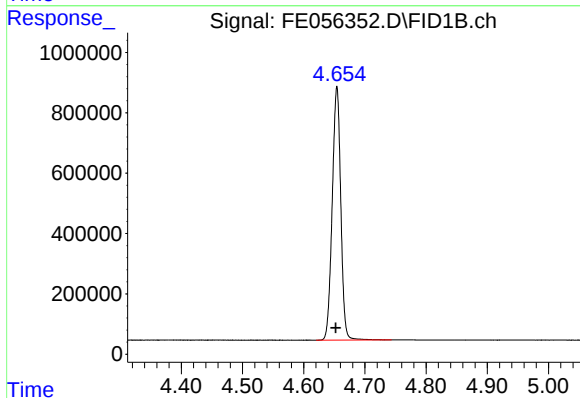




#1 n-Nonane (C9)

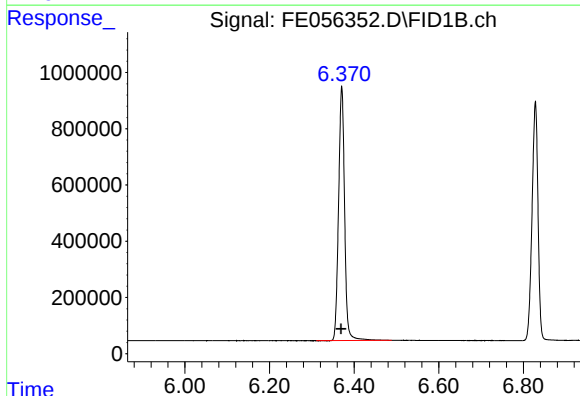
R.T.: 3.401 min
Delta R.T.: 0.002 min
Response: 8027434
Conc: 52.23 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



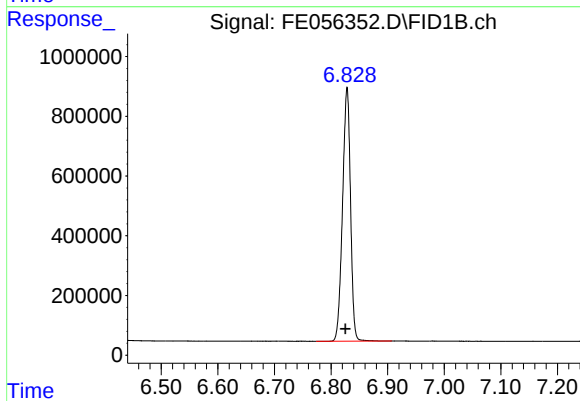
#2 n-Decane (C10)

R.T.: 4.654 min
Delta R.T.: 0.002 min
Response: 8151590
Conc: 52.52 ug/ml



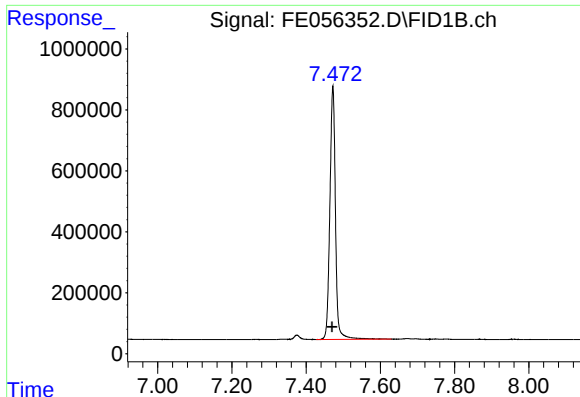
#3 A~Naphthalene (C11.7)

R.T.: 6.371 min
Delta R.T.: 0.002 min
Response: 8930796
Conc: 53.12 ug/ml



#4 n-Dodecane (C12)

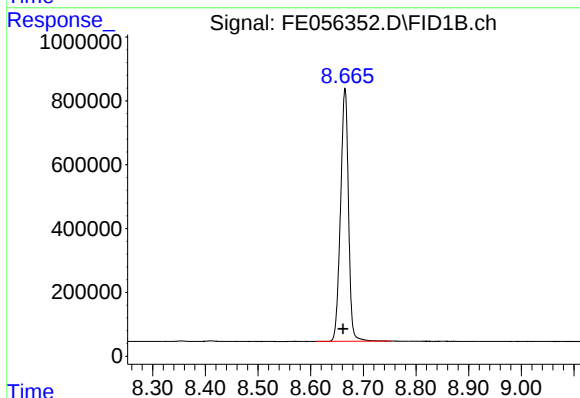
R.T.: 6.828 min
Delta R.T.: 0.003 min
Response: 8305461
Conc: 52.68 ug/ml



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

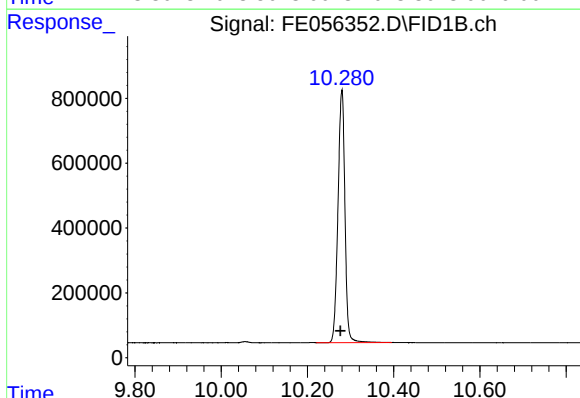
R.T.: 7.472 min
Delta R.T.: 0.002 min
Response: 8709305
Conc: 54.46 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



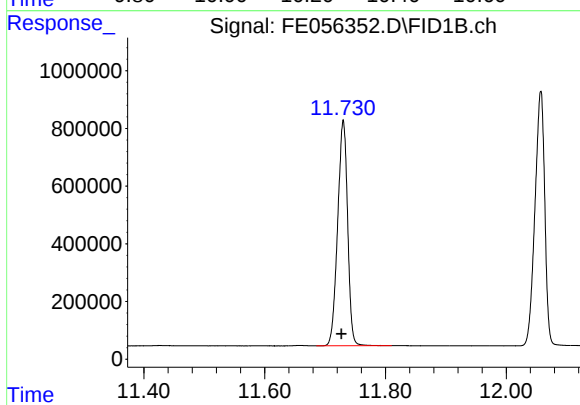
#6 n-Tetradecane (C14)

R.T.: 8.665 min
Delta R.T.: 0.003 min
Response: 8312944
Conc: 53.21 ug/ml



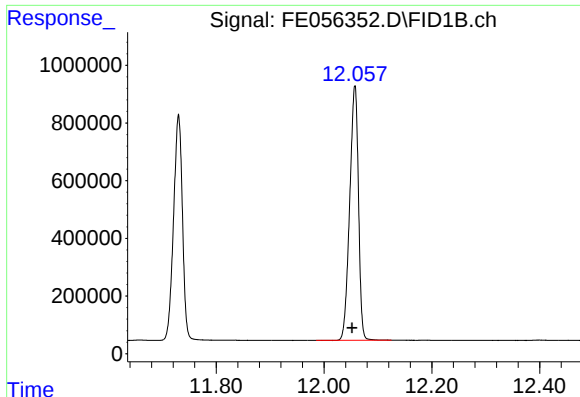
#7 n-Hexadecane (C16)

R.T.: 10.280 min
Delta R.T.: 0.003 min
Response: 8711849
Conc: 52.88 ug/ml



#8 n-Octadecane (C18)

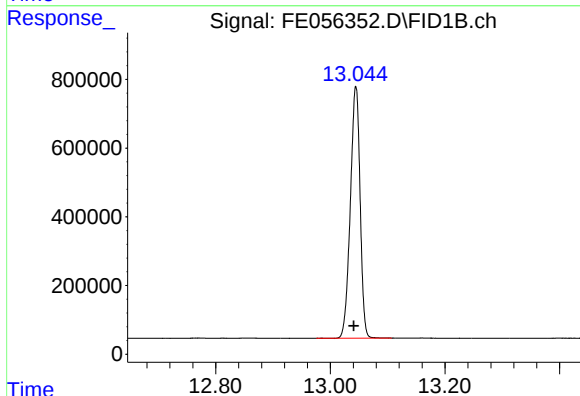
R.T.: 11.730 min
Delta R.T.: 0.003 min
Response: 8942054
Conc: 52.33 ug/ml



#9 ortho-Terphenyl (SURR)

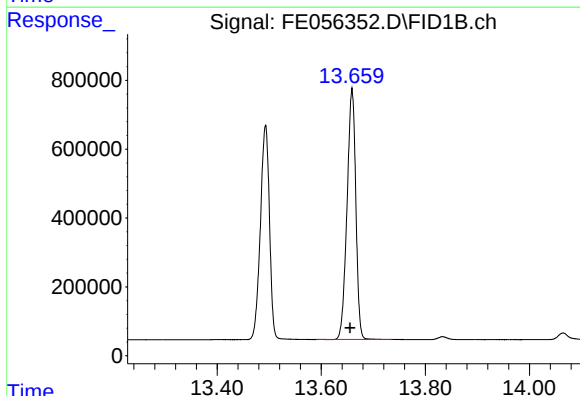
R.T.: 12.057 min
Delta R.T.: 0.005 min
Response: 9944859
Conc: 51.98 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



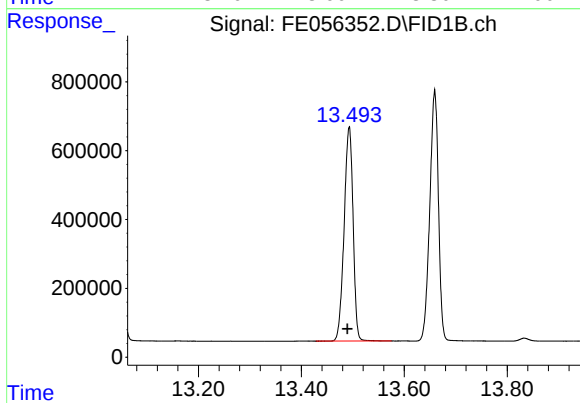
#10 n-Eicosane (C20)

R.T.: 13.044 min
Delta R.T.: 0.003 min
Response: 8645421
Conc: 52.08 ug/ml



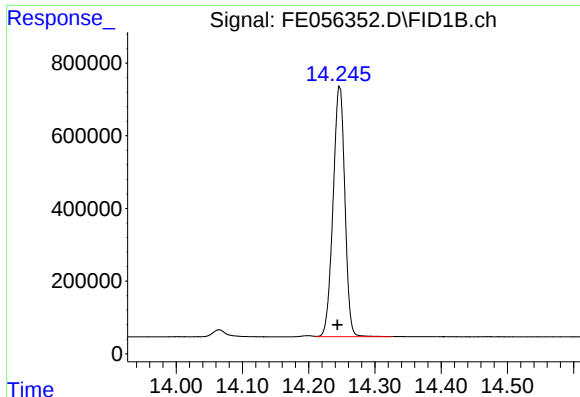
#11 n-Heneicosane (C21)

R.T.: 13.659 min
Delta R.T.: 0.004 min
Response: 8523932
Conc: 51.97 ug/ml



#12 1-chlorooctadecane (SURR)

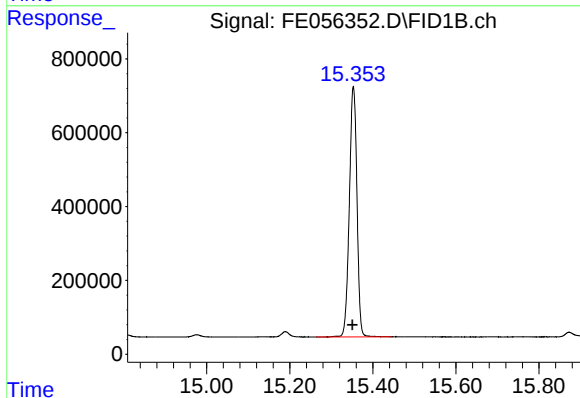
R.T.: 13.493 min
Delta R.T.: 0.003 min
Response: 7535401
Conc: 52.56 ug/ml



#13 n-Docosane (C22)

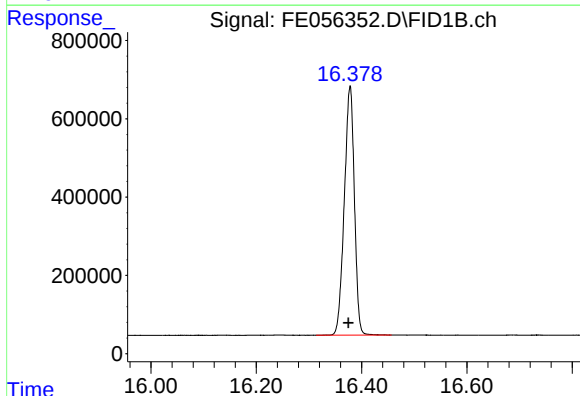
R.T.: 14.247 min
Delta R.T.: 0.003 min
Response: 8531126
Conc: 52.48 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



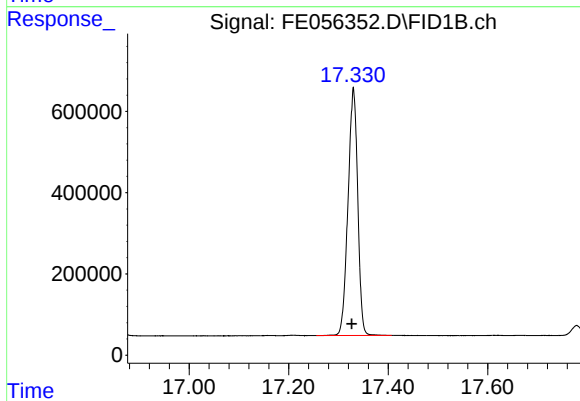
#14 n-Tetracosane (C24)

R.T.: 15.353 min
Delta R.T.: 0.003 min
Response: 8610842
Conc: 53.11 ug/ml



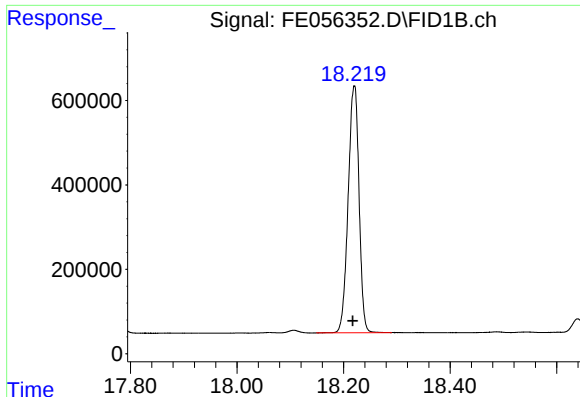
#15 n-Hexacosane (C26)

R.T.: 16.378 min
Delta R.T.: 0.003 min
Response: 8452135
Conc: 53.14 ug/ml



#16 n-Octacosane (C28)

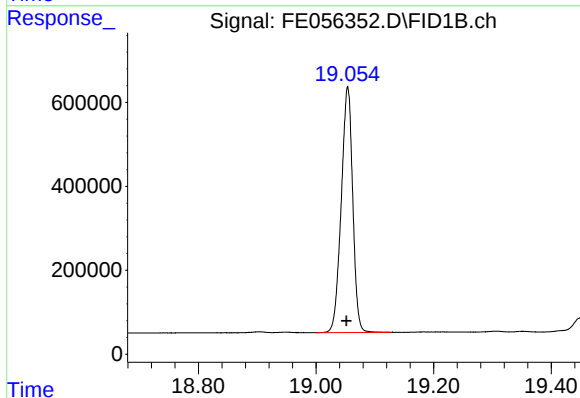
R.T.: 17.330 min
Delta R.T.: 0.003 min
Response: 8264741
Conc: 53.41 ug/ml



#17 n-Tricontane (C30)

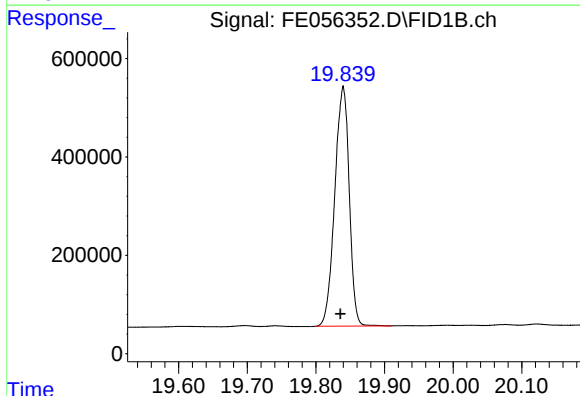
R.T.: 18.220 min
Delta R.T.: 0.003 min
Response: 8292000
Conc: 52.95 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



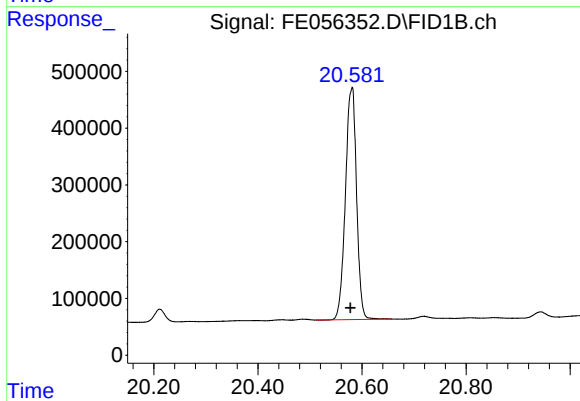
#18 n-Dotriacontane (C32)

R.T.: 19.054 min
Delta R.T.: 0.002 min
Response: 7932430
Conc: 52.89 ug/ml



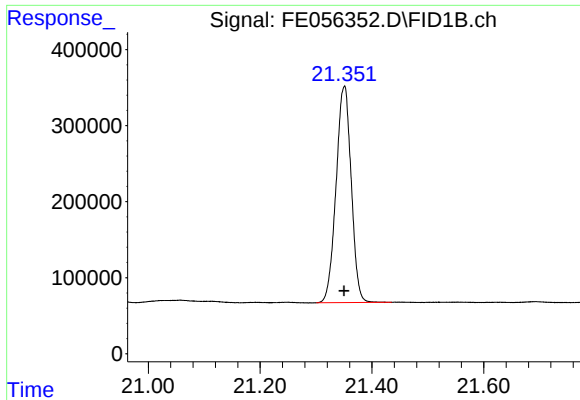
#19 n-Tetratriacontane (C34)

R.T.: 19.840 min
Delta R.T.: 0.004 min
Response: 7118725
Conc: 52.66 ug/ml



#20 n-Hexatriacontane (C36)

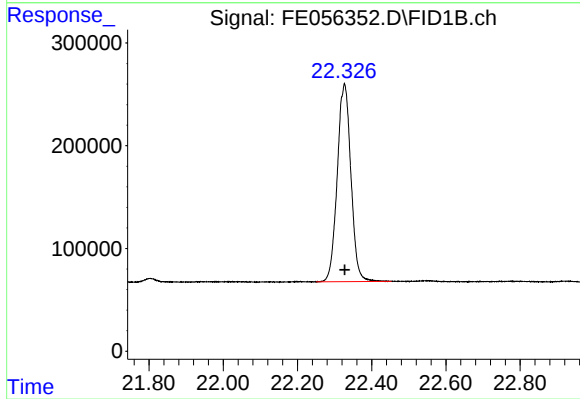
R.T.: 20.580 min
Delta R.T.: 0.002 min
Response: 6063460
Conc: 52.66 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.350 min
Delta R.T.: 0.000 min
Response: 5354430
Conc: 54.25 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.327 min
Delta R.T.: 0.000 min
Response: 4917436
Conc: 57.53 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
Data File : FE056352.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 18:00
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 101725.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	3.401	3.342	3.480	BB	828928	8027434	80.72%	4.554%
2	4.654	4.620	4.744	BB	838506	8151590	81.97%	4.624%
3	6.371	6.310	6.489	BB	904873	8930796	89.80%	5.066%
4	6.828	6.774	6.907	BB	852789	8305461	83.52%	4.712%
5	7.472	7.427	7.630	BB	830812	8709305	87.58%	4.941%
6	8.665	8.610	8.754	BB	794171	8312944	83.59%	4.716%
7	10.280	10.220	10.395	BB	782719	8711849	87.60%	4.942%
8	11.730	11.685	11.810	BB	783459	8942054	89.92%	5.073%
9	12.057	11.985	12.125	BB	884029	9944859	100.00%	5.642%
10	13.044	12.975	13.107	BB	733724	8645421	86.93%	4.904%
11	13.493	13.429	13.575	BB	622761	7535401	75.77%	4.275%
12	13.659	13.590	13.735	BB	726177	8523932	85.71%	4.835%
13	14.247	14.211	14.325	VB	686649	8531126	85.78%	4.840%
14	15.353	15.264	15.445	BB	677307	8610842	86.59%	4.885%
15	16.378	16.314	16.457	BB	639959	8452135	84.99%	4.795%
16	17.330	17.255	17.407	BB	609802	8264741	83.11%	4.688%
17	18.220	18.149	18.290	BB	585126	8292000	83.38%	4.704%
18	19.054	19.000	19.129	BB	586257	7932430	79.76%	4.500%
19	19.840	19.800	19.910	BB	488157	7118725	71.58%	4.038%
20	20.580	20.512	20.657	BB	407193	6063460	60.97%	3.440%
21	21.350	21.300	21.435	BB	284486	5354430	53.84%	3.037%
22	22.327	22.250	22.454	BB	192878	4917436	49.45%	2.790%
Sum of corrected areas:						176278372		

Aliphatic EPH 101725.M Fri Oct 17 08:33:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
 Data File : FE056353.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 18:30
 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 17 08:23:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 08:21:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.052	3826772	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.489	2867313	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.399	3073653	20.000 ug/ml
2) T n-Decane (C10)	4.652	3104239	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.369	3362356	20.000 ug/ml
4) T n-Dodecane (C12)	6.826	3153360	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.470	3198353	20.000 ug/ml
6) T n-Tetradecane (C14)	8.662	3124392	20.000 ug/ml
7) T n-Hexadecane (C16)	10.277	3294820	20.000 ug/ml
8) T n-Octadecane (C18)	11.727	3417372	20.000 ug/ml
10) T n-Eicosane (C20)	13.041	3319985	20.000 ug/ml
11) T n-Heneicosane (C21)	13.655	3280295	20.000 ug/ml
13) T n-Docosane (C22)	14.244	3251010	20.000 ug/ml
14) T n-Tetracosane (C24)	15.351	3242751	20.000 ug/ml
15) T n-Hexacosane (C26)	16.375	3181322	20.000 ug/ml
16) T n-Octacosane (C28)	17.327	3095047	20.000 ug/ml
17) T n-Tricontane (C30)	18.217	3132258	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.052	2999317	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.836	2703510	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.578	2303077	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.350	1973965	20.000 ug/ml
22) T n-Tetracontane (C40)	22.327	1709655	20.000 ug/ml

(f)=RT Delta > 1/2 Window

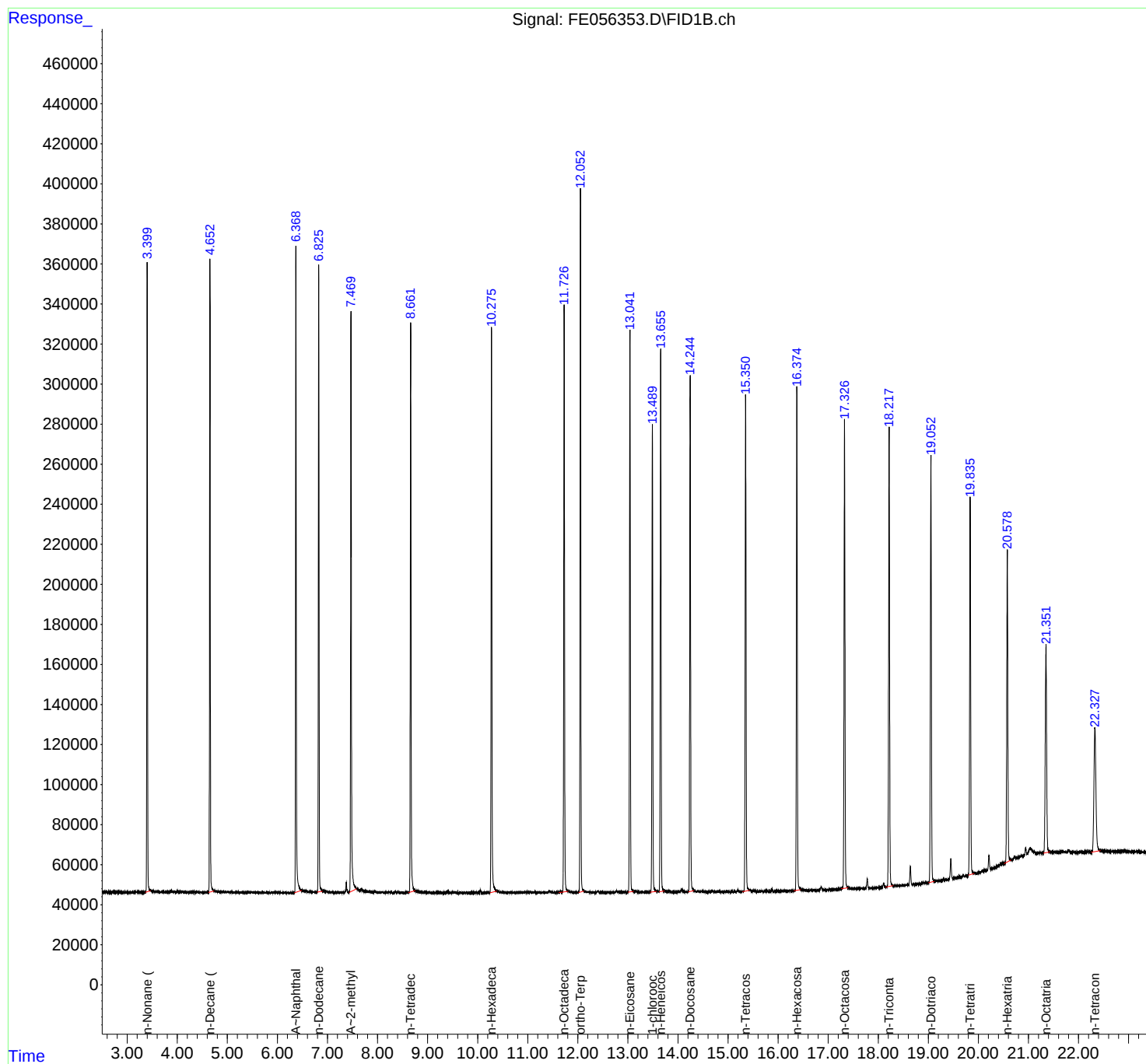
(m)=manual int.

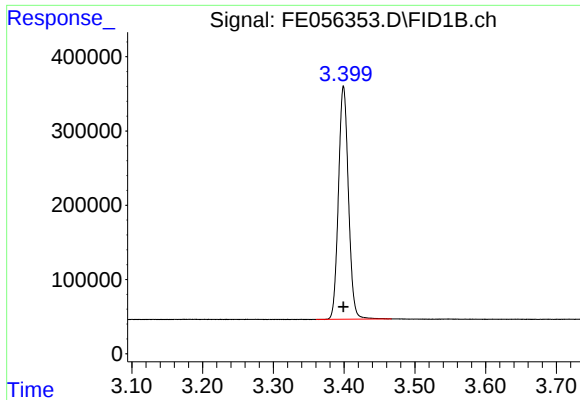
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
Data File : FE056353.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 18:30
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 17 08:23:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 08:21:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

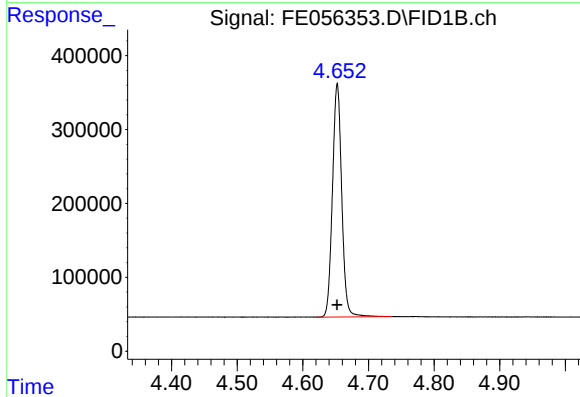




#1 n-Nonane (C9)

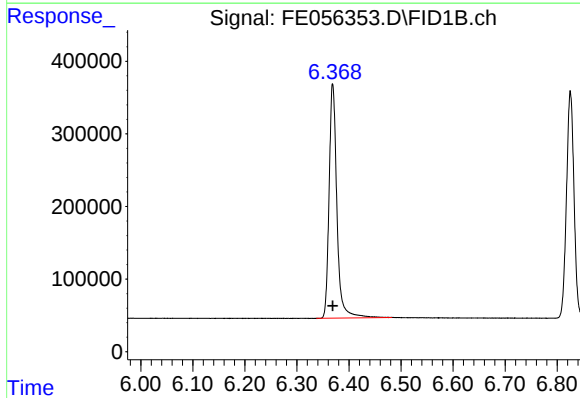
R.T.: 3.399 min
Delta R.T.: 0.000 min
Response: 3073653
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



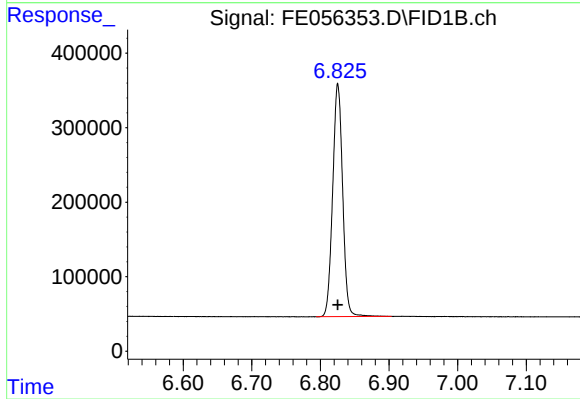
#2 n-Decane (C10)

R.T.: 4.652 min
Delta R.T.: 0.000 min
Response: 3104239
Conc: 20.00 ug/ml



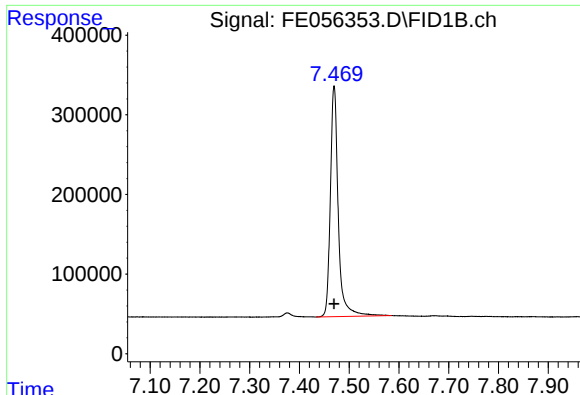
#3 A~Naphthalene (C11.7)

R.T.: 6.369 min
Delta R.T.: 0.000 min
Response: 3362356
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

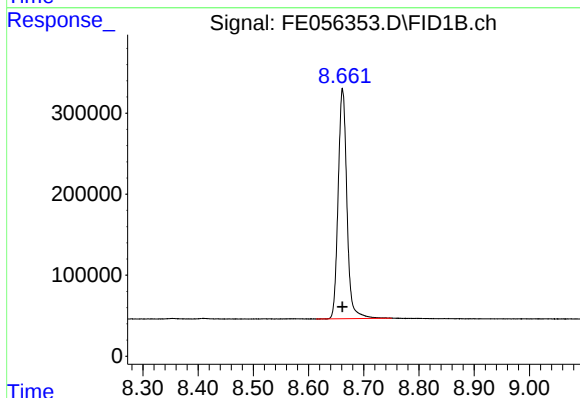
R.T.: 6.826 min
Delta R.T.: 0.000 min
Response: 3153360
Conc: 20.00 ug/ml



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

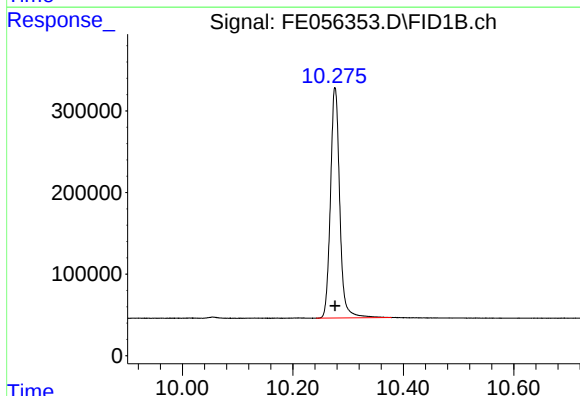
R.T.: 7.470 min
Delta R.T.: 0.000 min
Response: 3198353
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



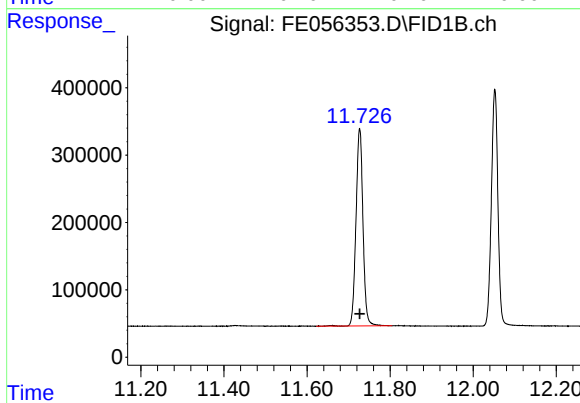
#6 n-Tetradecane (C14)

R.T.: 8.662 min
Delta R.T.: 0.000 min
Response: 3124392
Conc: 20.00 ug/ml



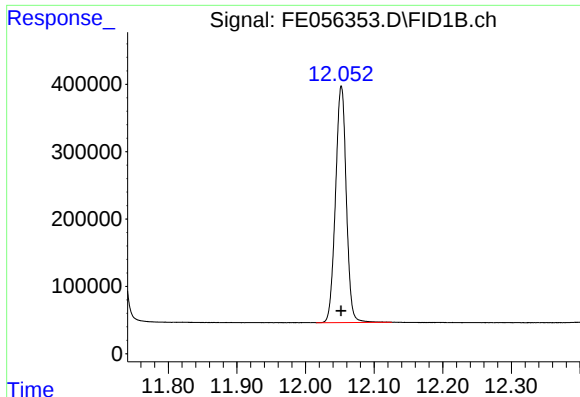
#7 n-Hexadecane (C16)

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 3294820
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

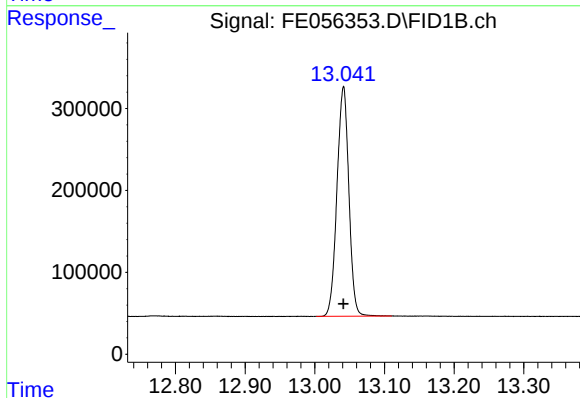
R.T.: 11.727 min
Delta R.T.: 0.000 min
Response: 3417372
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

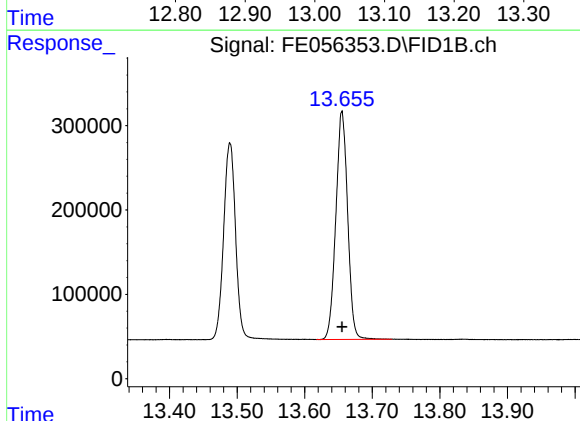
R.T.: 12.052 min
Delta R.T.: 0.000 min
Response: 3826772
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



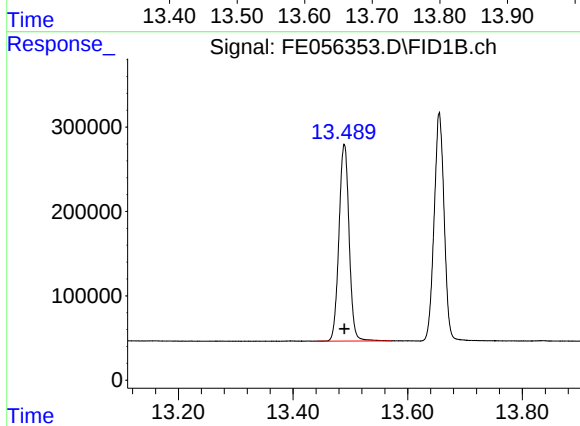
#10 n-Eicosane (C20)

R.T.: 13.041 min
Delta R.T.: 0.000 min
Response: 3319985
Conc: 20.00 ug/ml



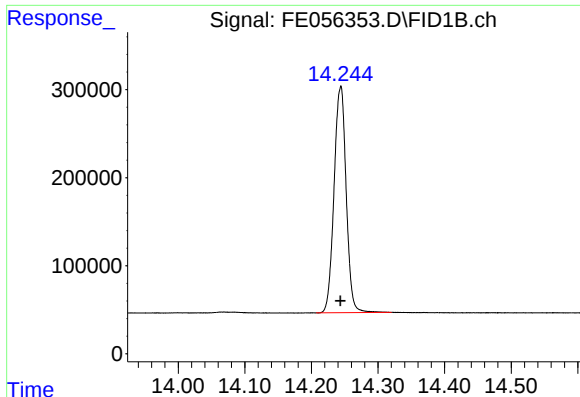
#11 n-Heneicosane (C21)

R.T.: 13.655 min
Delta R.T.: 0.000 min
Response: 3280295
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

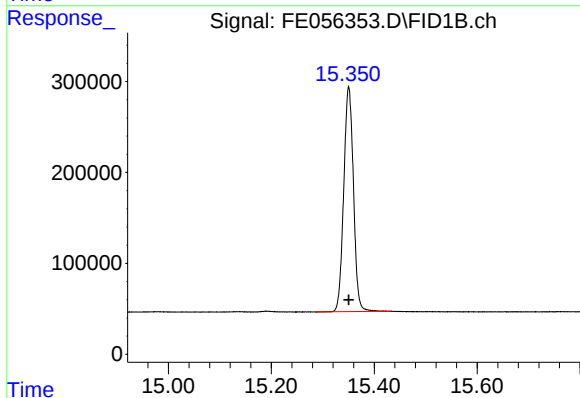
R.T.: 13.489 min
Delta R.T.: 0.000 min
Response: 2867313
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

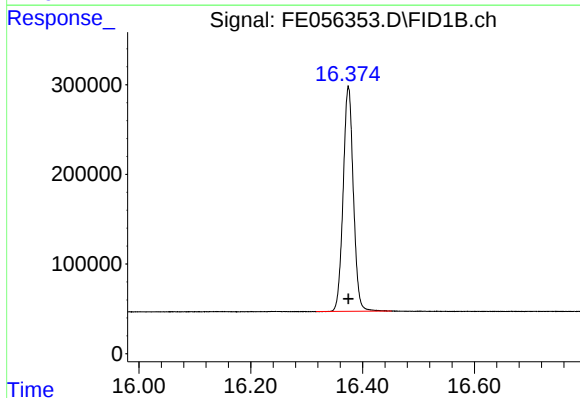
R.T.: 14.244 min
Delta R.T.: 0.000 min
Response: 3251010
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



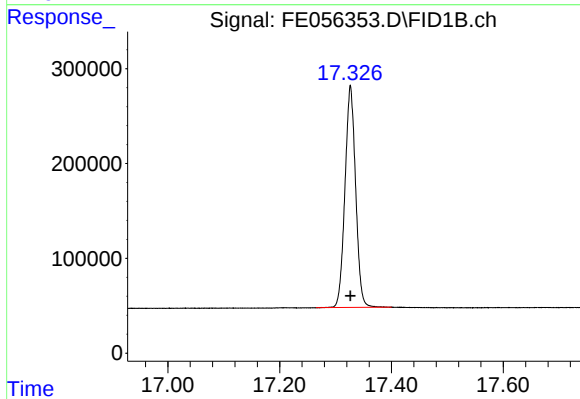
#14 n-Tetracosane (C24)

R.T.: 15.351 min
Delta R.T.: 0.000 min
Response: 3242751
Conc: 20.00 ug/ml



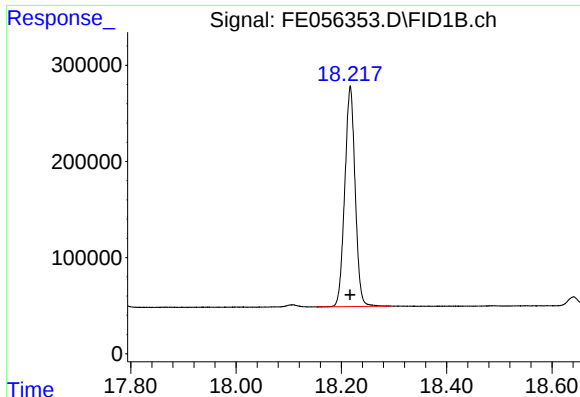
#15 n-Hexacosane (C26)

R.T.: 16.375 min
Delta R.T.: 0.000 min
Response: 3181322
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

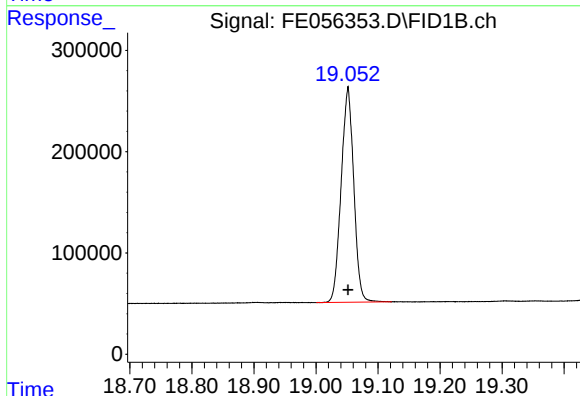
R.T.: 17.327 min
Delta R.T.: 0.000 min
Response: 3095047
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

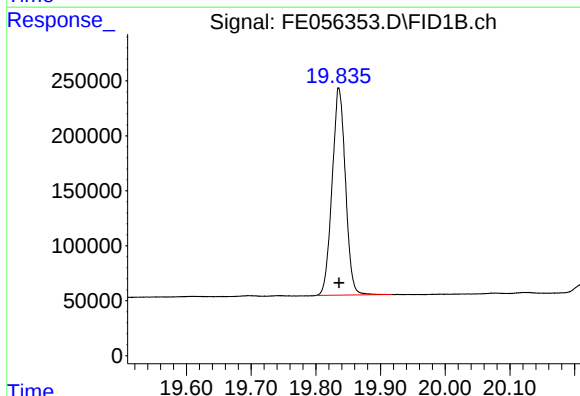
R.T.: 18.217 min
Delta R.T.: 0.000 min
Response: 3132258
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



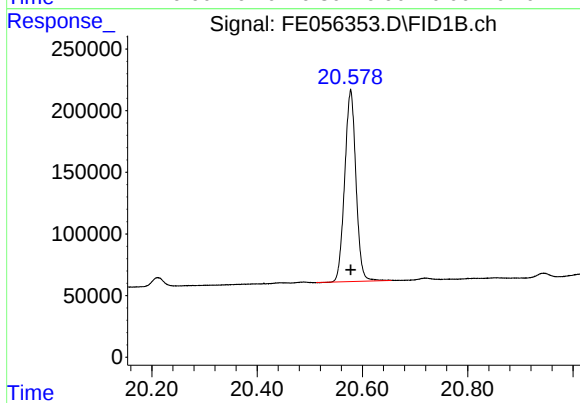
#18 n-Dotriacontane (C32)

R.T.: 19.052 min
Delta R.T.: 0.000 min
Response: 2999317
Conc: 20.00 ug/ml



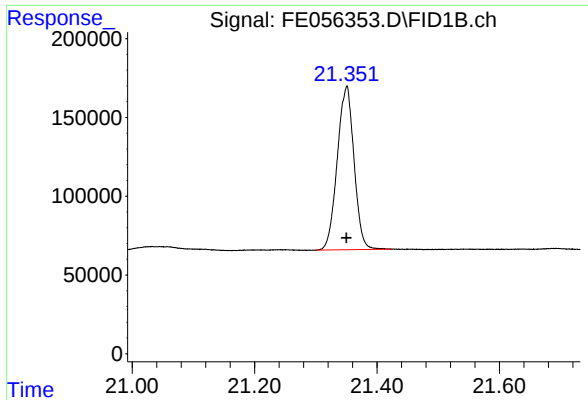
#19 n-Tetratriacontane (C34)

R.T.: 19.836 min
Delta R.T.: 0.000 min
Response: 2703510
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

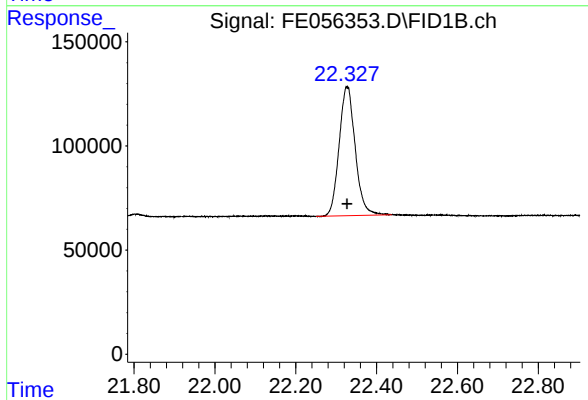
R.T.: 20.578 min
Delta R.T.: 0.000 min
Response: 2303077
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.350 min
Delta R.T.: 0.000 min
Response: 1973965
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.327 min
Delta R.T.: 0.000 min
Response: 1709655
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
 Data File : FE056353.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 18:30
 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 101725.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	3.399	3.360	3.467	BB	314168	3073653	80.32%	4.614%
2	4.652	4.620	4.735	BB	315135	3104239	81.12%	4.660%
3	6.369	6.337	6.482	BB	322349	3362356	87.86%	5.047%
4	6.826	6.794	6.904	BB	312429	3153360	82.40%	4.734%
5	7.470	7.434	7.585	BB	289227	3198353	83.58%	4.801%
6	8.662	8.614	8.750	BB	282172	3124392	81.65%	4.690%
7	10.277	10.242	10.379	BB	282342	3294820	86.10%	4.946%
8	11.727	11.622	11.804	BB	292965	3417372	89.30%	5.130%
9	12.052	12.015	12.125	BB	351680	3826772	100.00%	5.745%
10	13.041	13.002	13.110	BB	279975	3319985	86.76%	4.984%
11	13.489	13.440	13.572	BB	233341	2867313	74.93%	4.304%
12	13.655	13.617	13.729	BB	269871	3280295	85.72%	4.924%
13	14.244	14.207	14.320	BB	256630	3251010	84.95%	4.880%
14	15.351	15.287	15.434	BB	247613	3242751	84.74%	4.868%
15	16.375	16.317	16.452	BB	250277	3181322	83.13%	4.776%
16	17.327	17.265	17.400	BB	233886	3095047	80.88%	4.646%
17	18.217	18.152	18.295	BB	229979	3132258	81.85%	4.702%
18	19.052	19.000	19.122	BB	213371	2999317	78.38%	4.502%
19	19.836	19.800	19.917	BB	188149	2703510	70.65%	4.058%
20	20.578	20.512	20.655	BB	155054	2303077	60.18%	3.457%
21	21.350	21.300	21.424	BB	103890	1973965	51.58%	2.963%
22	22.327	22.250	22.437	BB	61787	1709655	44.68%	2.566%
Sum of corrected areas:						66614822		

Aliphatic EPH 101725.M Fri Oct 17 08:34:26 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
 Data File : FE056354.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 19:00
 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 17 08:23:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 08:21:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.051	2078091	10.861 ug/ml
Spiked Amount 50.000		Recovery =	21.72%
12) S 1-chlorooctadecane (S...	13.488	1545743	10.782 ug/ml
Spiked Amount 50.000		Recovery =	21.56%
Target Compounds			
1) T n-Nonane (C9)	3.399	1646705	10.715 ug/ml
2) T n-Decane (C10)	4.652	1655109	10.664 ug/ml
3) T A~Naphthalene (C11.7)	6.370	1752100	10.422 ug/ml
4) T n-Dodecane (C12)	6.825	1690409	10.721 ug/ml
5) T A~2-methylnaphthalene...	7.470	1629274	10.188 ug/ml
6) T n-Tetradecane (C14)	8.661	1662323	10.641 ug/ml
7) T n-Hexadecane (C16)	10.276	1758484	10.674 ug/ml
8) T n-Octadecane (C18)	11.725	1854119	10.851 ug/ml
10) T n-Eicosane (C20)	13.040	1816244	10.941 ug/ml
11) T n-Heneicosane (C21)	13.654	1788939	10.907 ug/ml
13) T n-Docosane (C22)	14.243	1812465	11.150 ug/ml
14) T n-Tetracosane (C24)	15.350	1832865	11.304 ug/ml
15) T n-Hexacosane (C26)	16.374	1812019	11.392 ug/ml
16) T n-Octacosane (C28)	17.327	1800062	11.632 ug/ml
17) T n-Tricontane (C30)	18.217	1850780	11.818 ug/ml
18) T n-Dotriacontane (C32)	19.051	1808728	12.061 ug/ml
19) T n-Tetratriacontane (C34)	19.835	1598424	11.825 ug/ml
20) T n-Hexatriacontane (C36)	20.577	1302225	11.309 ug/ml
21) T n-Octatriacontane (C38)	21.348	1117621	11.324 ug/ml
22) T n-Tetracontane (C40)	22.327	970320	11.351 ug/ml

(f)=RT Delta > 1/2 Window

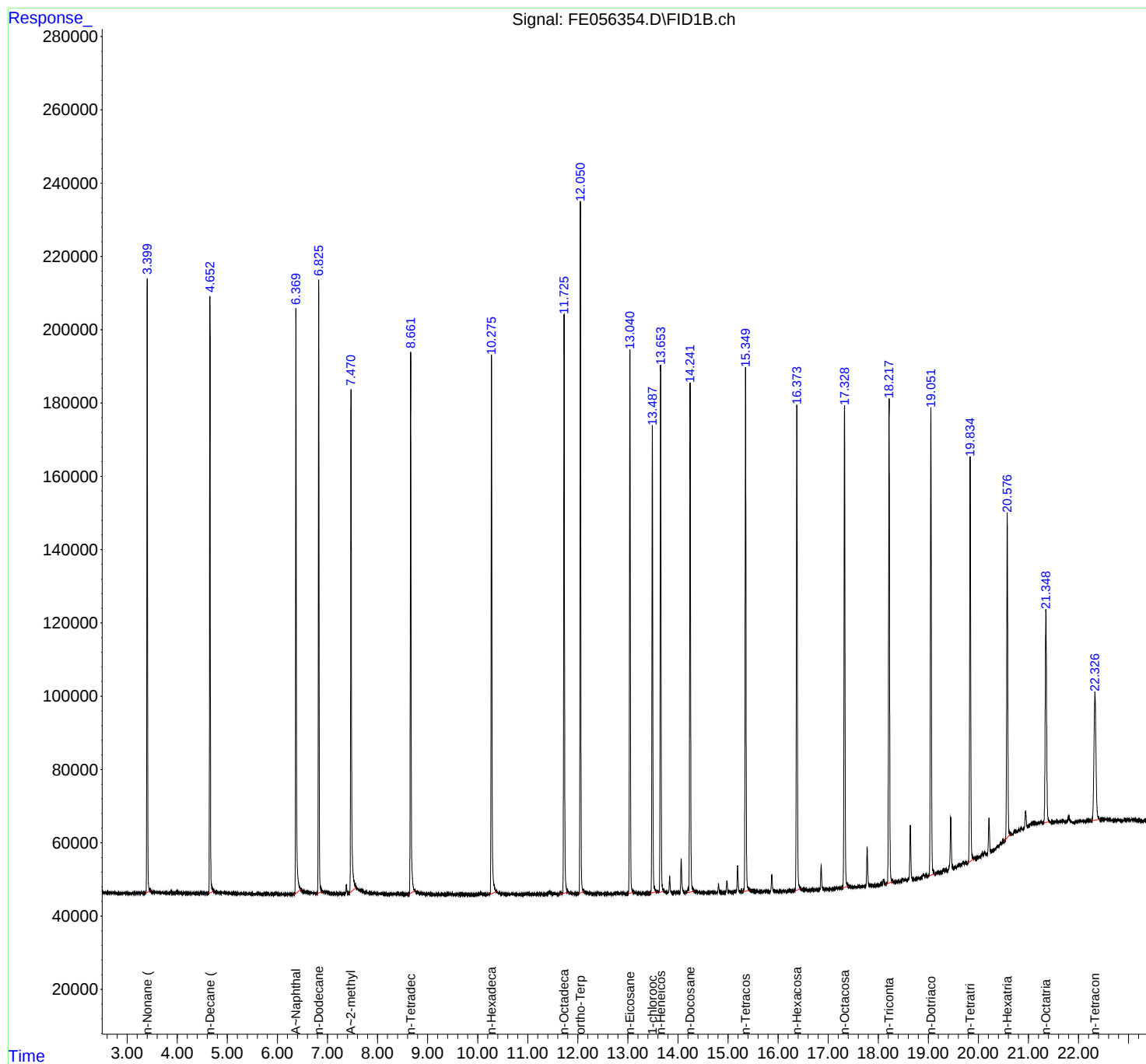
(m)=manual int.

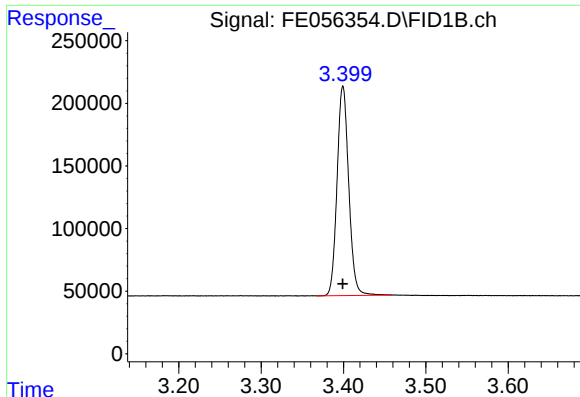
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
Data File : FE056354.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 19:00
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 17 08:23:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 08:21:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

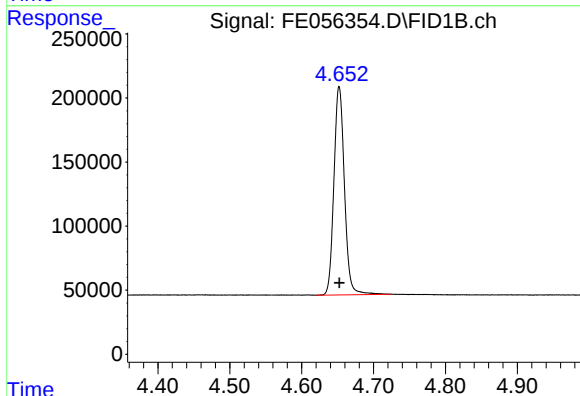




#1 n-Nonane (C9)

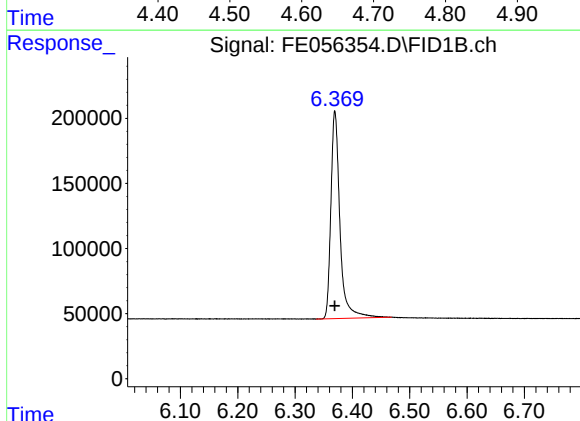
R.T.: 3.399 min
Delta R.T.: 0.000 min
Response: 1646705
Conc: 10.71 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



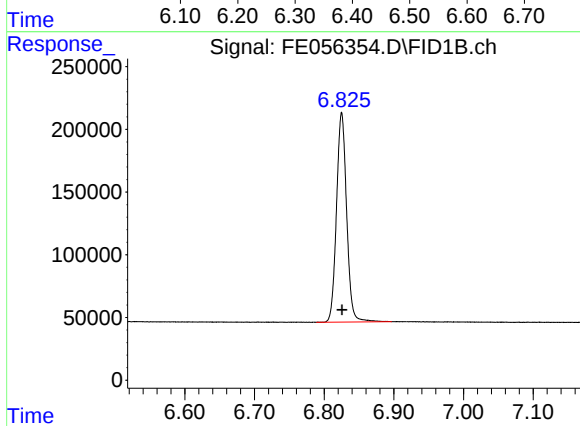
#2 n-Decane (C10)

R.T.: 4.652 min
Delta R.T.: 0.000 min
Response: 1655109
Conc: 10.66 ug/ml



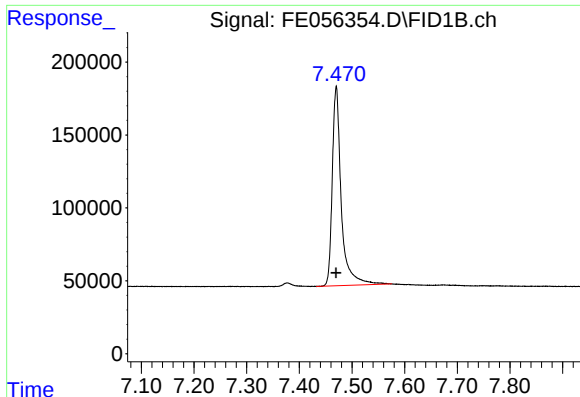
#3 A~Naphthalene (C11.7)

R.T.: 6.370 min
Delta R.T.: 0.000 min
Response: 1752100
Conc: 10.42 ug/ml



#4 n-Dodecane (C12)

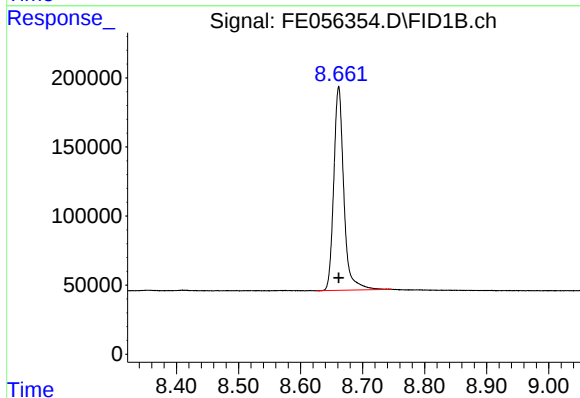
R.T.: 6.825 min
Delta R.T.: 0.000 min
Response: 1690409
Conc: 10.72 ug/ml



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

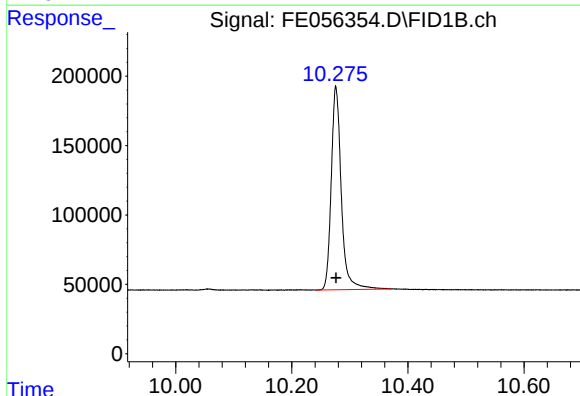
R.T.: 7.470 min
Delta R.T.: 0.000 min
Response: 1629274
Conc: 10.19 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



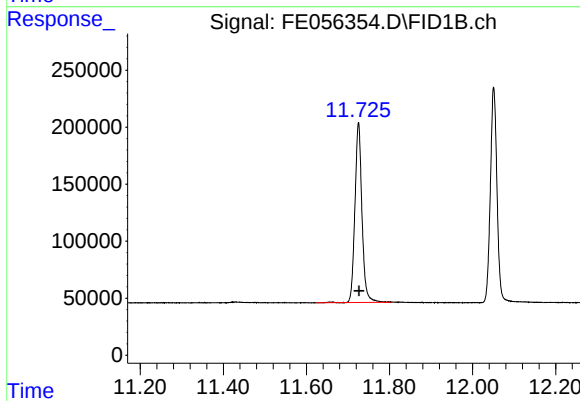
#6 n-Tetradecane (C14)

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 1662323
Conc: 10.64 ug/ml



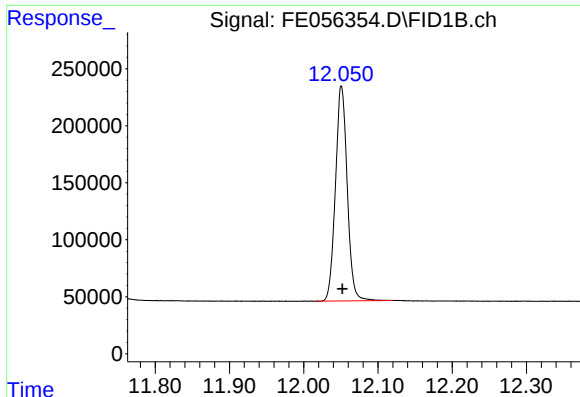
#7 n-Hexadecane (C16)

R.T.: 10.276 min
Delta R.T.: 0.000 min
Response: 1758484
Conc: 10.67 ug/ml



#8 n-Octadecane (C18)

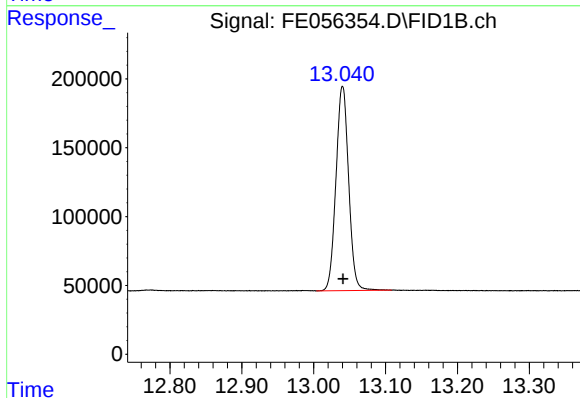
R.T.: 11.725 min
Delta R.T.: -0.001 min
Response: 1854119
Conc: 10.85 ug/ml



#9 ortho-Terphenyl (SURR)

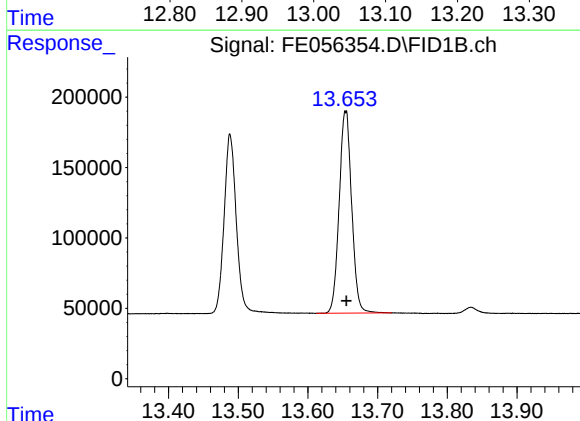
R.T.: 12.051 min
Delta R.T.: -0.001 min
Response: 2078091
Conc: 10.86 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



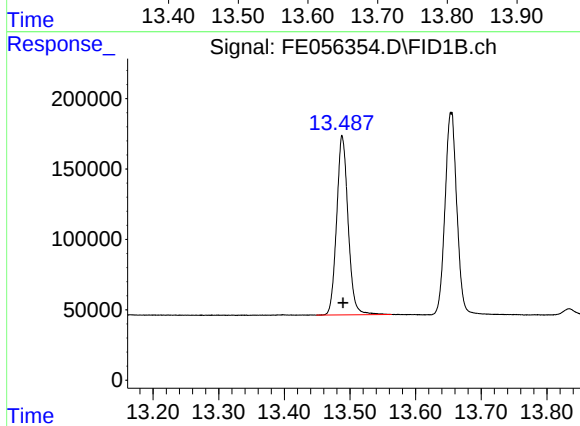
#10 n-Eicosane (C20)

R.T.: 13.040 min
Delta R.T.: 0.000 min
Response: 1816244
Conc: 10.94 ug/ml



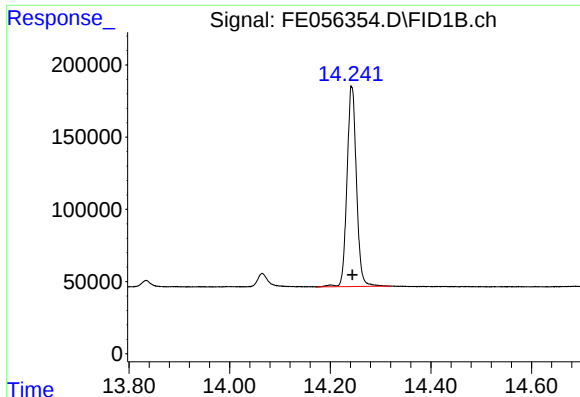
#11 n-Heneicosane (C21)

R.T.: 13.654 min
Delta R.T.: -0.001 min
Response: 1788939
Conc: 10.91 ug/ml



#12 1-chlorooctadecane (SURR)

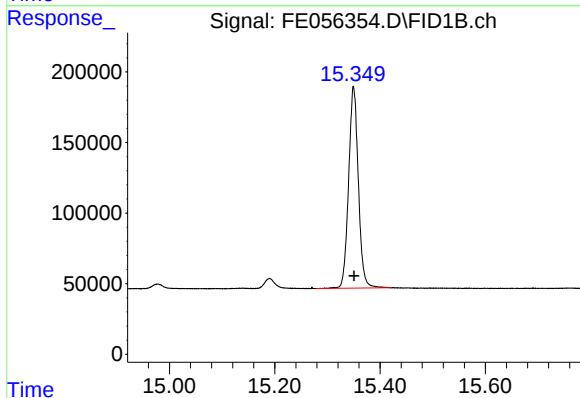
R.T.: 13.488 min
Delta R.T.: 0.000 min
Response: 1545743
Conc: 10.78 ug/ml



#13 n-Docosane (C22)

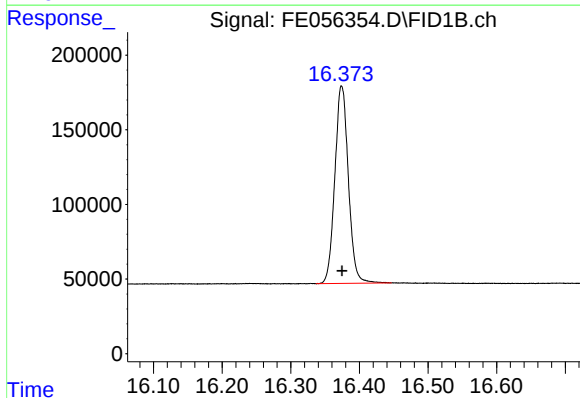
R.T.: 14.243 min
Delta R.T.: 0.000 min
Response: 1812465
Conc: 11.15 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



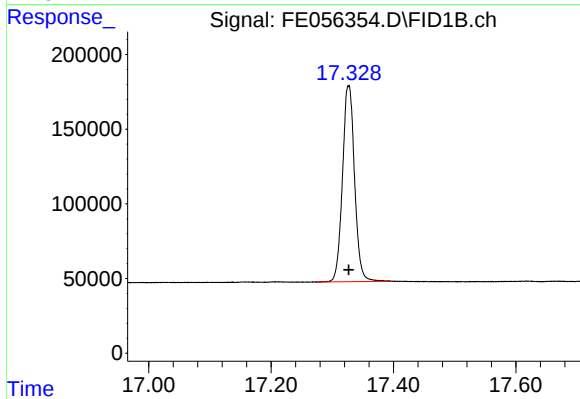
#14 n-Tetracosane (C24)

R.T.: 15.350 min
Delta R.T.: 0.000 min
Response: 1832865
Conc: 11.30 ug/ml



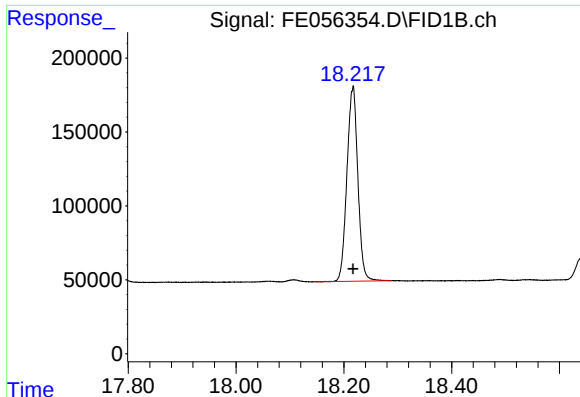
#15 n-Hexacosane (C26)

R.T.: 16.374 min
Delta R.T.: 0.000 min
Response: 1812019
Conc: 11.39 ug/ml



#16 n-Octacosane (C28)

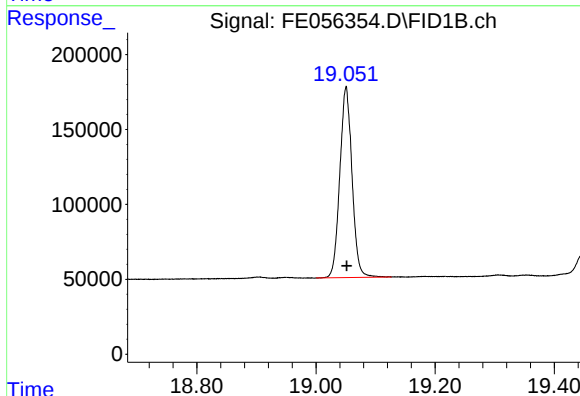
R.T.: 17.327 min
Delta R.T.: 0.000 min
Response: 1800062
Conc: 11.63 ug/ml



#17 n-Tricontane (C30)

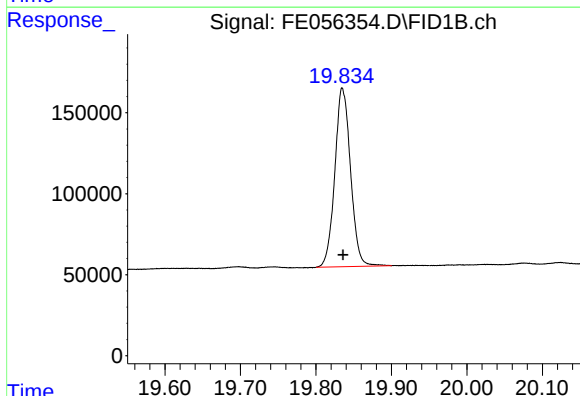
R.T.: 18.217 min
Delta R.T.: 0.000 min
Response: 1850780
Conc: 11.82 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



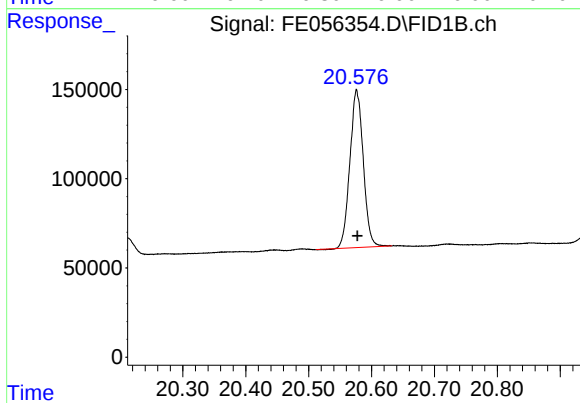
#18 n-Dotriacontane (C32)

R.T.: 19.051 min
Delta R.T.: -0.001 min
Response: 1808728
Conc: 12.06 ug/ml



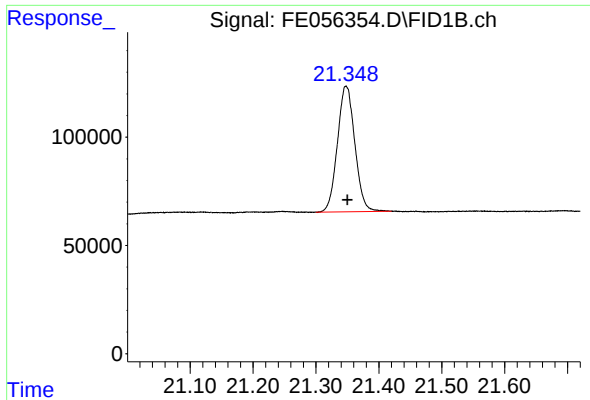
#19 n-Tetratriacontane (C34)

R.T.: 19.835 min
Delta R.T.: 0.000 min
Response: 1598424
Conc: 11.82 ug/ml



#20 n-Hexatriacontane (C36)

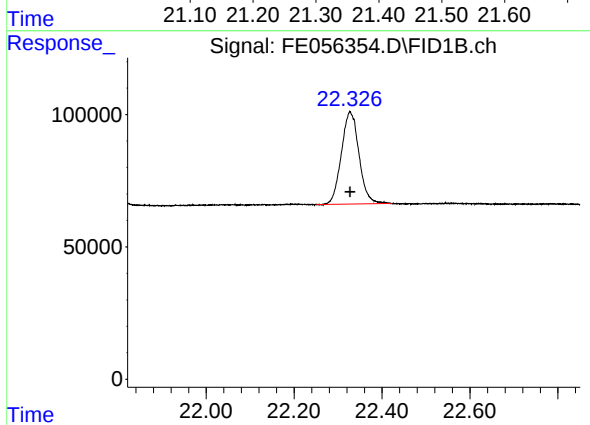
R.T.: 20.577 min
Delta R.T.: -0.001 min
Response: 1302225
Conc: 11.31 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.348 min
Delta R.T.: -0.002 min
Response: 1117621
Conc: 11.32 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.327 min
Delta R.T.: 0.000 min
Response: 970320
Conc: 11.35 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
Data File : FE056354.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 19:00
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 101725.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	3.399	3.367	3.459	BB	167629	1646705	79.24%	4.477%
2	4.652	4.620	4.725	BB	162847	1655109	79.65%	4.500%
3	6.370	6.337	6.469	BB	158505	1752100	84.31%	4.763%
4	6.825	6.789	6.897	BB	167223	1690409	81.34%	4.596%
5	7.470	7.432	7.575	BB	136944	1629274	78.40%	4.429%
6	8.661	8.625	8.747	BB	147886	1662323	79.99%	4.519%
7	10.276	10.242	10.372	BB	144929	1758484	84.62%	4.781%
8	11.725	11.624	11.805	BB	157967	1854119	89.22%	5.041%
9	12.051	12.017	12.119	BB	188969	2078091	100.00%	5.650%
10	13.040	13.004	13.109	BB	148520	1816244	87.40%	4.938%
11	13.488	13.449	13.564	BB	126739	1545743	74.38%	4.202%
12	13.654	13.612	13.720	BB	143859	1788939	86.09%	4.863%
13	14.243	14.172	14.322	BB	137935	1812465	87.22%	4.927%
14	15.350	15.279	15.422	BB	141816	1832865	88.20%	4.983%
15	16.374	16.337	16.447	BB	132410	1812019	87.20%	4.926%
16	17.327	17.274	17.397	BB	130903	1800062	86.62%	4.894%
17	18.217	18.149	18.289	BB	131211	1850780	89.06%	5.032%
18	19.051	19.000	19.127	BB	127187	1808728	87.04%	4.917%
19	19.835	19.800	19.900	BB	109970	1598424	76.92%	4.346%
20	20.577	20.512	20.632	BB	88050	1302225	62.66%	3.540%
21	21.348	21.300	21.420	BB	58045	1117621	53.78%	3.038%
22	22.327	22.250	22.422	BB	34978	970320	46.69%	2.638%
Sum of corrected areas:						36783049		

Aliphatic EPH 101725.M Fri Oct 17 08:35:02 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
 Data File : FE056355.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 19:31
 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 17 08:24:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 08:21:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.050	1074413	5.615 ug/ml
Spiked Amount 50.000		Recovery =	11.23%
12) S 1-chlorooctadecane (S...	13.489	780302	5.443 ug/ml
Spiked Amount 50.000		Recovery =	10.89%
Target Compounds			
1) T n-Nonane (C9)	3.400	845403	5.501 ug/ml
2) T n-Decane (C10)	4.652	837010	5.393 ug/ml
3) T A~Naphthalene (C11.7)	6.371	865601	5.149 ug/ml
4) T n-Dodecane (C12)	6.825	852915	5.410 ug/ml
5) T A~2-methylnaphthalene...	7.471	757610	4.737 ug/ml
6) T n-Tetradecane (C14)	8.662	828658	5.304 ug/ml
7) T n-Hexadecane (C16)	10.277	881705	5.352 ug/ml
8) T n-Octadecane (C18)	11.725	950205	5.561 ug/ml
10) T n-Eicosane (C20)	13.040	945832	5.698 ug/ml
11) T n-Heneicosane (C21)	13.654	928712	5.662 ug/ml
13) T n-Docosane (C22)	14.243	966258	5.944 ug/ml
14) T n-Tetracosane (C24)	15.349	1075389	6.633 ug/ml
15) T n-Hexacosane (C26)	16.373	1073648	6.750 ug/ml
16) T n-Octacosane (C28)	17.325	1103081	7.128 ug/ml
17) T n-Tricontane (C30)	18.215	1157061	7.388 ug/ml
18) T n-Dotriacontane (C32)	19.049	1164202	7.763 ug/ml
19) T n-Tetratriacontane (C34)	19.835	997955	7.383 ug/ml
20) T n-Hexatriacontane (C36)	20.576	769876	6.686 ug/ml
21) T n-Octatriacontane (C38)	21.348	617112	6.253 ug/ml
22) T n-Tetracontane (C40)	22.326	516170	6.038 ug/ml

(f)=RT Delta > 1/2 Window

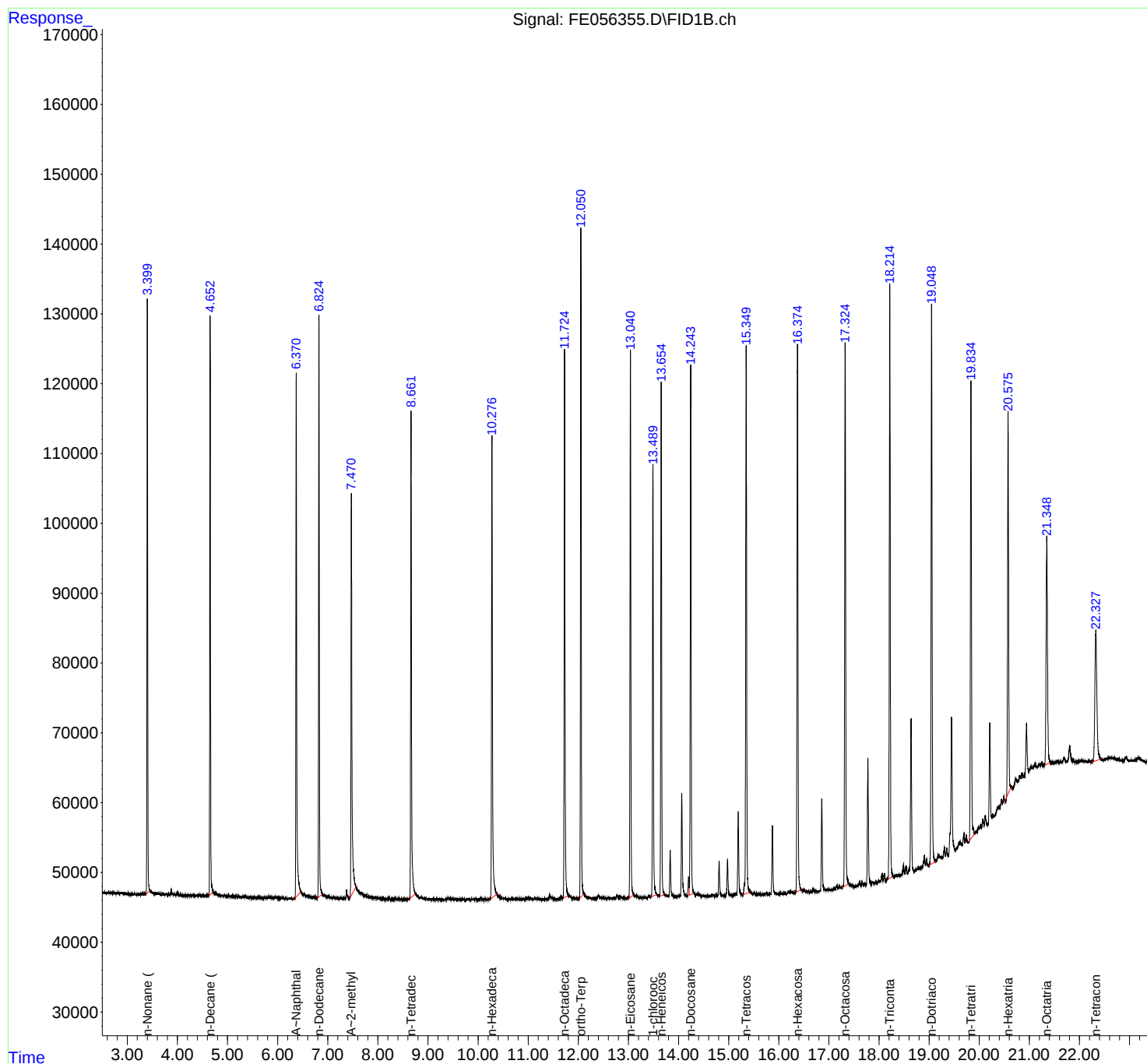
(m)=manual int.

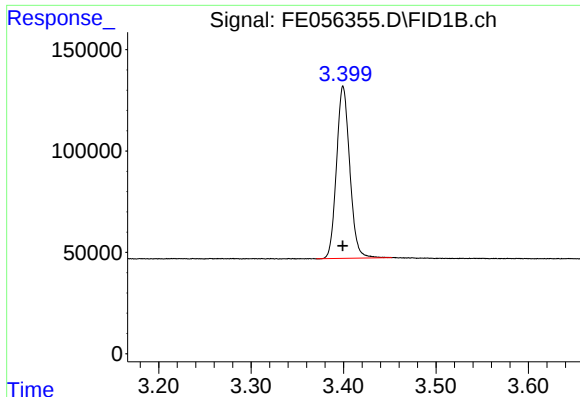
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
Data File : FE056355.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 19:31
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 17 08:24:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 08:21:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

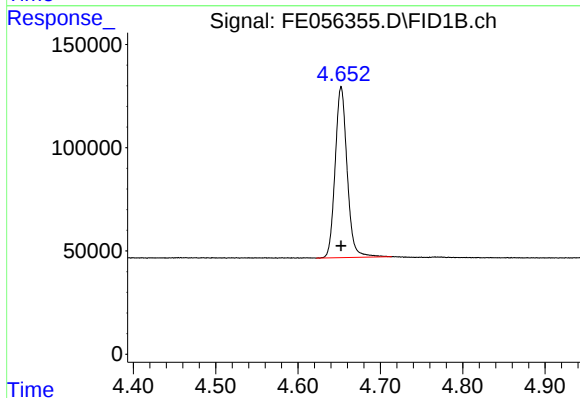




#1 n-Nonane (C9)

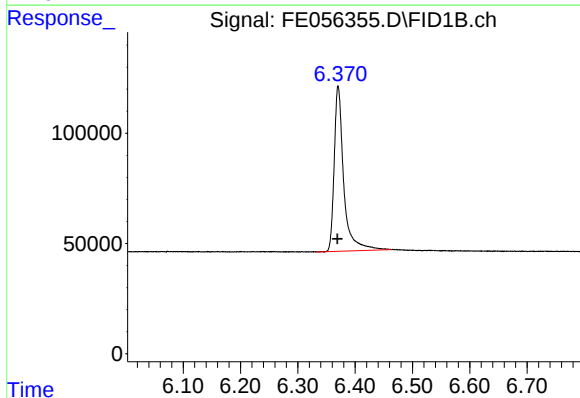
R.T.: 3.400 min
Delta R.T.: 0.000 min
Response: 845403
Conc: 5.50 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



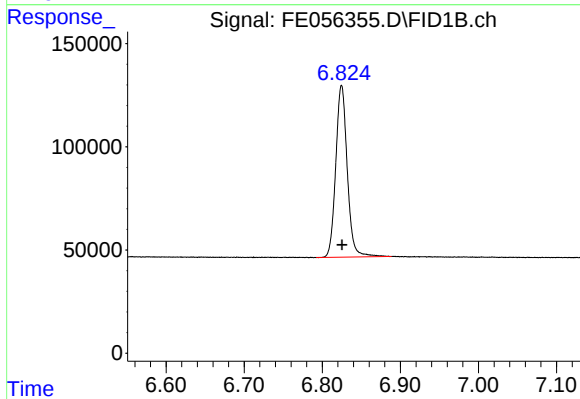
#2 n-Decane (C10)

R.T.: 4.652 min
Delta R.T.: 0.000 min
Response: 837010
Conc: 5.39 ug/ml



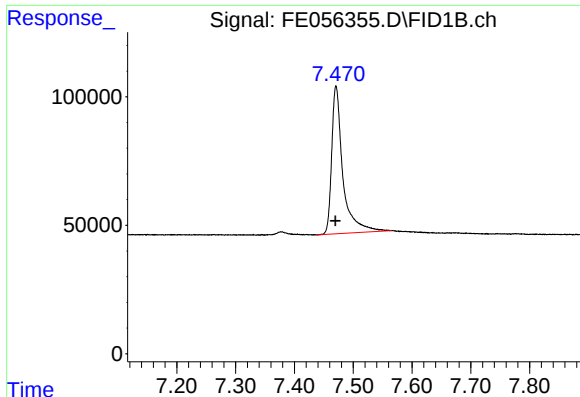
#3 A~Naphthalene (C11.7)

R.T.: 6.371 min
Delta R.T.: 0.002 min
Response: 865601
Conc: 5.15 ug/ml



#4 n-Dodecane (C12)

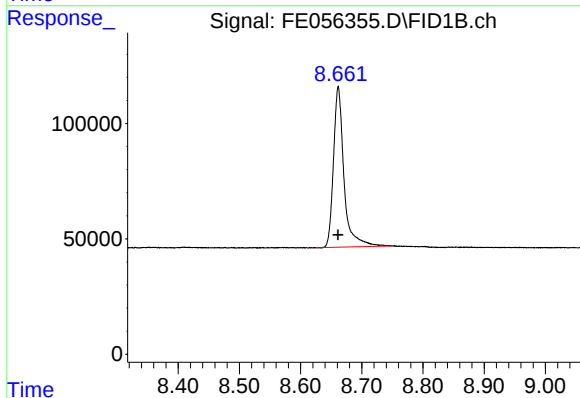
R.T.: 6.825 min
Delta R.T.: 0.000 min
Response: 852915
Conc: 5.41 ug/ml



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

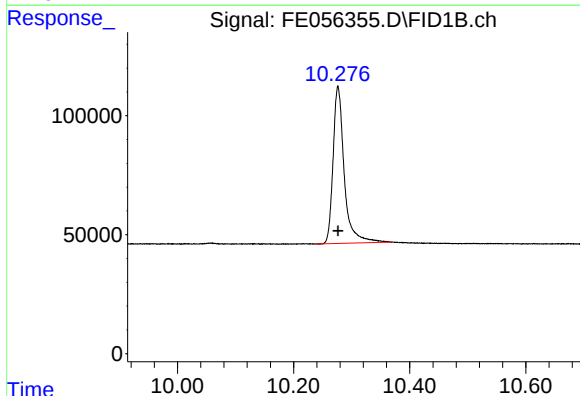
R.T.: 7.471 min
Delta R.T.: 0.001 min
Response: 757610
Conc: 4.74 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



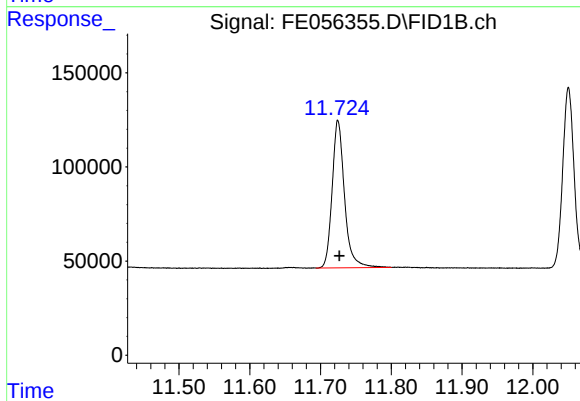
#6 n-Tetradecane (C14)

R.T.: 8.662 min
Delta R.T.: 0.000 min
Response: 828658
Conc: 5.30 ug/ml



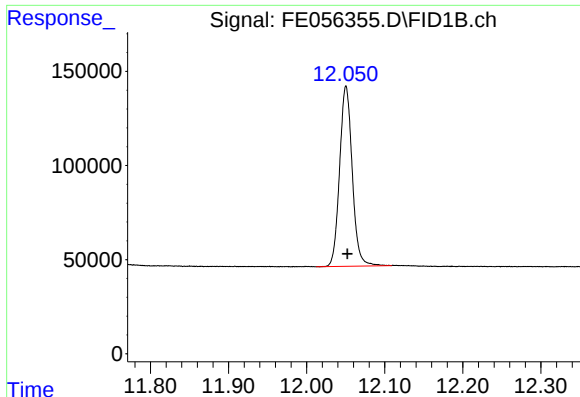
#7 n-Hexadecane (C16)

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 881705
Conc: 5.35 ug/ml



#8 n-Octadecane (C18)

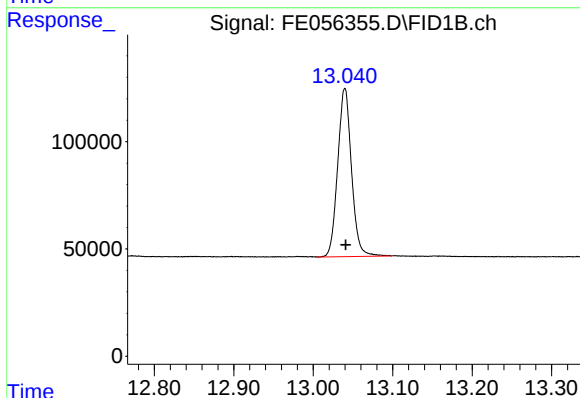
R.T.: 11.725 min
Delta R.T.: -0.002 min
Response: 950205
Conc: 5.56 ug/ml



#9 ortho-Terphenyl (SURR)

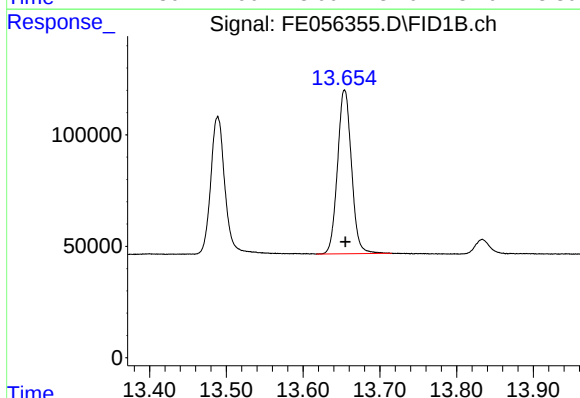
R.T.: 12.050 min
Delta R.T.: -0.002 min
Response: 1074413
Conc: 5.62 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



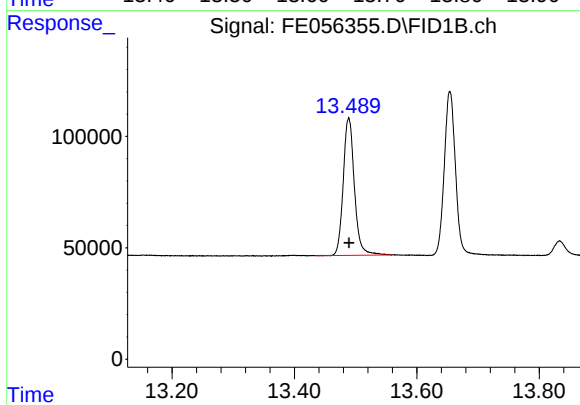
#10 n-Eicosane (C20)

R.T.: 13.040 min
Delta R.T.: -0.001 min
Response: 945832
Conc: 5.70 ug/ml



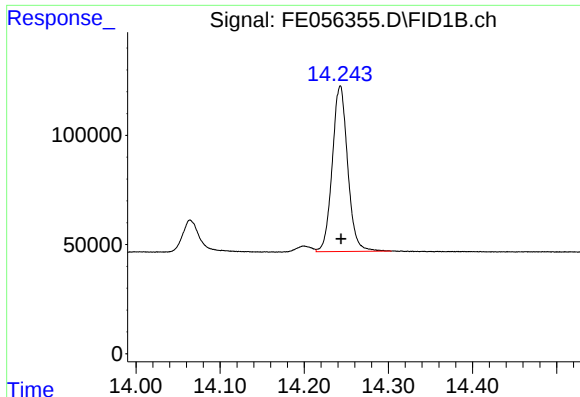
#11 n-Heneicosane (C21)

R.T.: 13.654 min
Delta R.T.: -0.001 min
Response: 928712
Conc: 5.66 ug/ml



#12 1-chlorooctadecane (SURR)

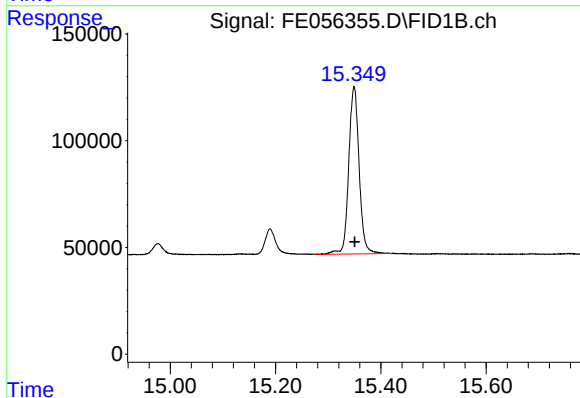
R.T.: 13.489 min
Delta R.T.: 0.000 min
Response: 780302
Conc: 5.44 ug/ml



#13 n-Docosane (C22)

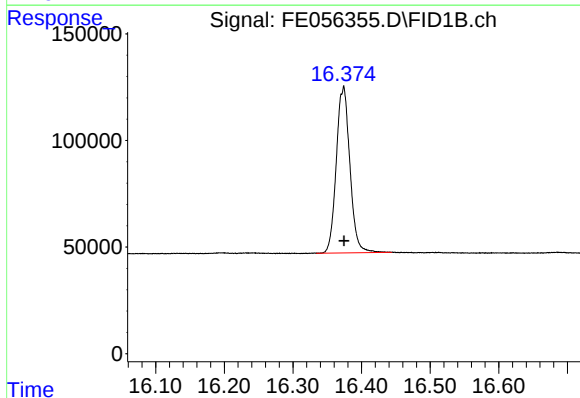
R.T.: 14.243 min
Delta R.T.: -0.001 min
Response: 966258
Conc: 5.94 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



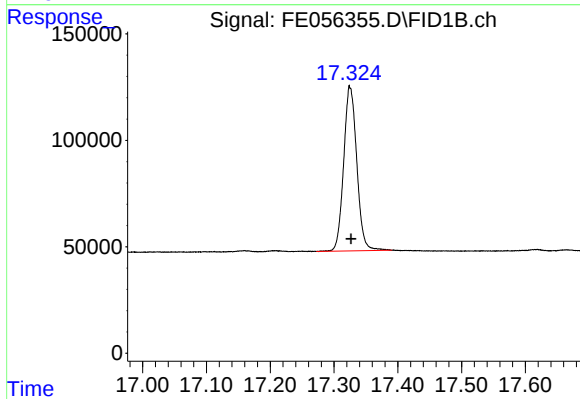
#14 n-Tetracosane (C24)

R.T.: 15.349 min
Delta R.T.: -0.001 min
Response: 1075389
Conc: 6.63 ug/ml



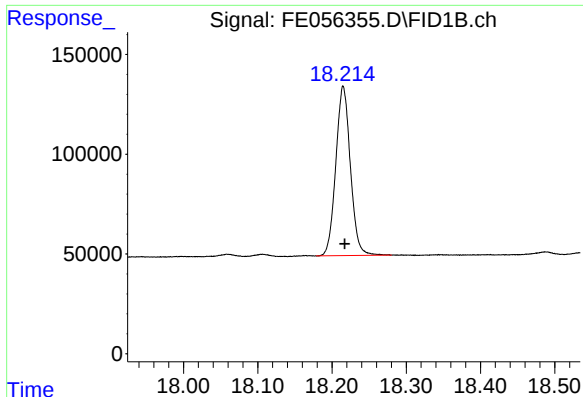
#15 n-Hexacosane (C26)

R.T.: 16.373 min
Delta R.T.: -0.001 min
Response: 1073648
Conc: 6.75 ug/ml



#16 n-Octacosane (C28)

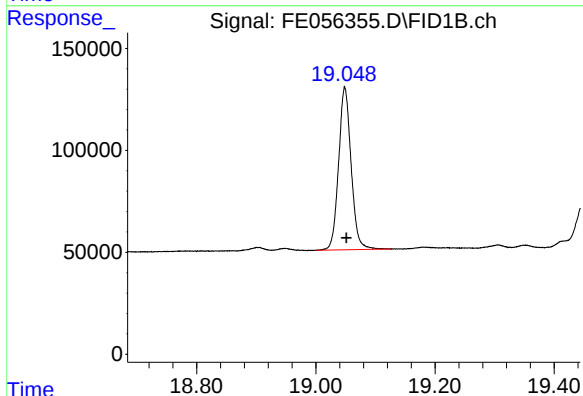
R.T.: 17.325 min
Delta R.T.: -0.001 min
Response: 1103081
Conc: 7.13 ug/ml



#17 n-Tricontane (C30)

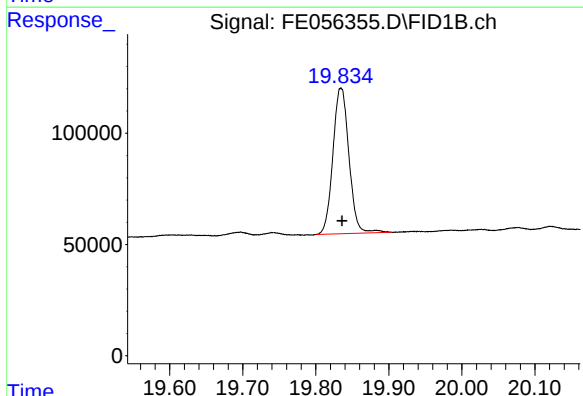
R.T.: 18.215 min
Delta R.T.: -0.002 min
Response: 1157061
Conc: 7.39 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



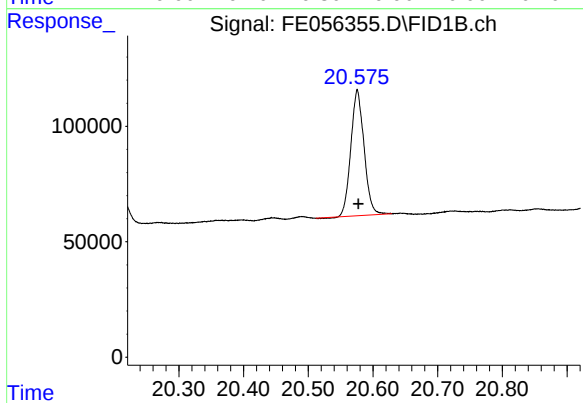
#18 n-Dotriacontane (C32)

R.T.: 19.049 min
Delta R.T.: -0.003 min
Response: 1164202
Conc: 7.76 ug/ml



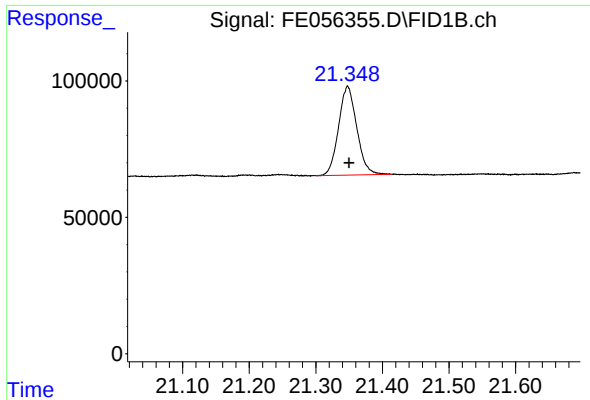
#19 n-Tetratriacontane (C34)

R.T.: 19.835 min
Delta R.T.: -0.001 min
Response: 997955
Conc: 7.38 ug/ml



#20 n-Hexatriacontane (C36)

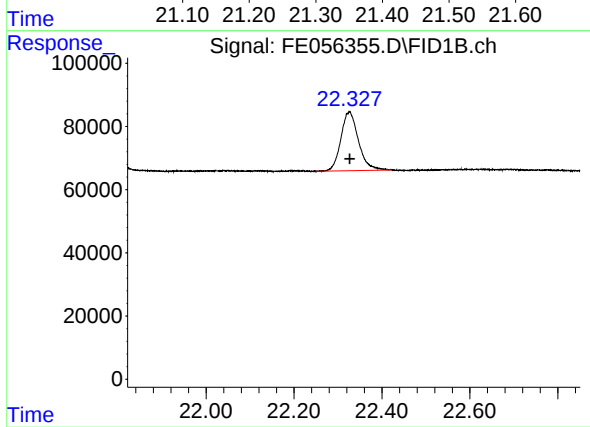
R.T.: 20.576 min
Delta R.T.: -0.002 min
Response: 769876
Conc: 6.69 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.348 min
Delta R.T.: -0.002 min
Response: 617112
Conc: 6.25 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.326 min
Delta R.T.: -0.002 min
Response: 516170
Conc: 6.04 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
Data File : FE056355.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 19:31
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 101725.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	3.400	3.370	3.452	BB	84573	845403	72.62%	4.229%
2	4.652	4.622	4.714	BB	82659	837010	71.90%	4.187%
3	6.371	6.332	6.464	BB	74821	865601	74.35%	4.330%
4	6.825	6.792	6.889	BB	83405	852915	73.26%	4.267%
5	7.471	7.437	7.565	BB	57573	757610	65.08%	3.790%
6	8.662	8.625	8.749	BB	69512	828658	71.18%	4.146%
7	10.277	10.239	10.369	BB	65933	881705	75.73%	4.411%
8	11.725	11.694	11.800	BB	77863	950205	81.62%	4.754%
9	12.050	12.012	12.109	BB	95775	1074413	92.29%	5.375%
10	13.040	13.004	13.099	BB	78642	945832	81.24%	4.732%
11	13.489	13.435	13.559	BB	61563	780302	67.02%	3.904%
12	13.654	13.617	13.715	BB	73520	928712	79.77%	4.646%
13	14.243	14.214	14.304	VB	75724	966258	83.00%	4.834%
14	15.349	15.277	15.420	BB	78509	1075389	92.37%	5.380%
15	16.373	16.334	16.444	BB	78130	1073648	92.22%	5.371%
16	17.325	17.272	17.390	BB	76319	1103081	94.75%	5.518%
17	18.215	18.179	18.280	BB	84928	1157061	99.39%	5.788%
18	19.049	19.000	19.127	BB	79842	1164202	100.00%	5.824%
19	19.835	19.800	19.904	BB	65419	997955	85.72%	4.992%
20	20.576	20.512	20.629	BB	54672	769876	66.13%	3.851%
21	21.348	21.300	21.414	BB	32615	617112	53.01%	3.087%
22	22.326	22.250	22.422	BB	18646	516170	44.34%	2.582%
Sum of corrected areas:							19989119	

Aliphatic EPH 101725.M Fri Oct 17 08:35:55 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
 Data File : FE056356.D
 Signal(s) : FID1B.ch
 Acq On : 16 Oct 2025 20:01
 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 17 08:38:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 08:31:49 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.052	3949794	19.334 ug/ml
Spiked Amount 50.000		Recovery =	38.67%
12) S 1-chlorooctadecane (S...	13.489	2945133	19.302 ug/ml
Spiked Amount 50.000		Recovery =	38.60%
Target Compounds			
1) T n-Nonane (C9)	3.399	3229626	19.814 ug/ml
2) T n-Decane (C10)	4.652	3251290	19.771 ug/ml
3) T A~Naphthalene (C11.7)	6.369	3508004	19.844 ug/ml
4) T n-Dodecane (C12)	6.825	3303881	19.692 ug/ml
5) T A~2-methylnaphthalene...	7.470	3357383	20.149 ug/ml
6) T n-Tetradecane (C14)	8.662	3263139	19.642 ug/ml
7) T n-Hexadecane (C16)	10.277	3411575	19.499 ug/ml
8) T n-Octadecane (C18)	11.726	3525888	19.329 ug/ml
10) T n-Eicosane (C20)	13.040	3421073	19.214 ug/ml
11) T n-Heneicosane (C21)	13.654	3380745	19.269 ug/ml
13) T n-Docosane (C22)	14.243	3347619	18.912 ug/ml
14) T n-Tetracosane (C24)	15.350	3333057	18.320 ug/ml
15) T n-Hexacosane (C26)	16.374	3273041	18.233 ug/ml
16) T n-Octacosane (C28)	17.326	3193103	17.949 ug/ml
17) T n-Tricontane (C30)	18.216	3242704	17.860 ug/ml
18) T n-Dotriacontane (C32)	19.050	3153184	17.885 ug/ml
19) T n-Tetratriacontane (C34)	19.835	2883877	18.630 ug/ml
20) T n-Hexatriacontane (C36)	20.578	2529671	20.248 ug/ml
21) T n-Octatriacontane (C38)	21.347	2185918	20.922 ug/ml
22) T n-Tetracontane (C40)	22.324	1935013	21.324 ug/ml

(f)=RT Delta > 1/2 Window

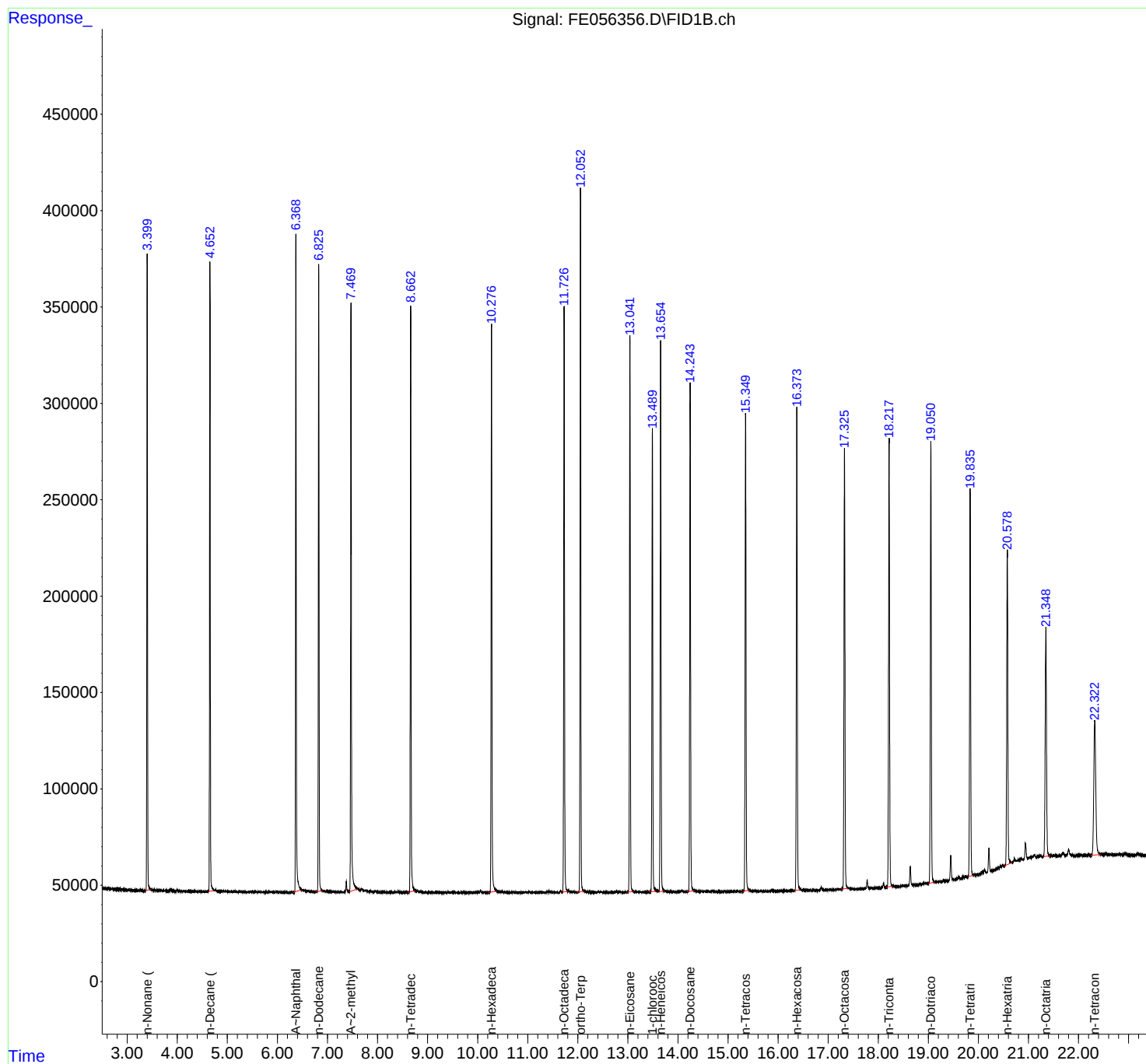
(m)=manual int.

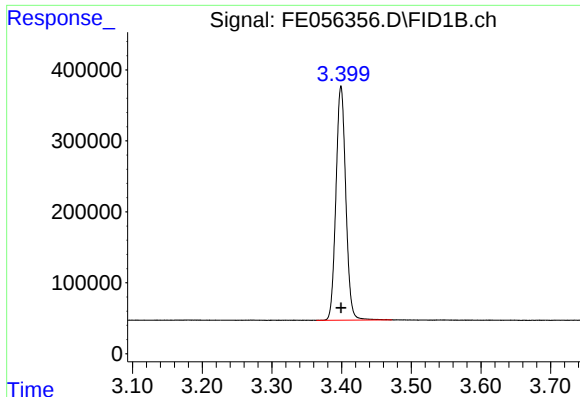
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
Data File : FE056356.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 20:01
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 17 08:38:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 08:31:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

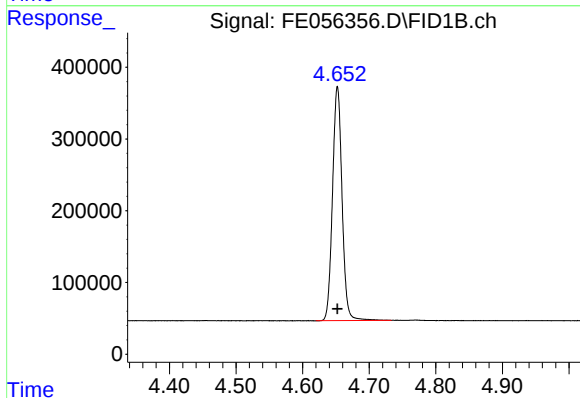




#1 n-Nonane (C9)

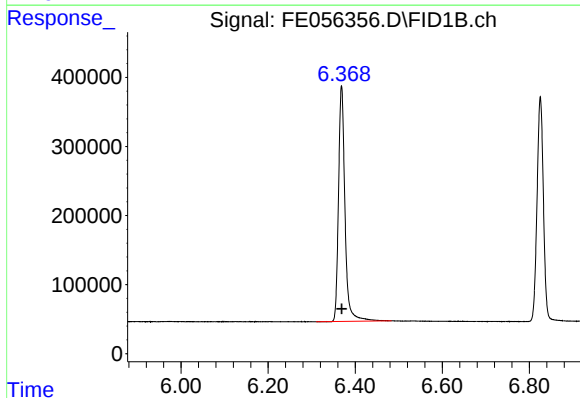
R.T.: 3.399 min
Delta R.T.: 0.000 min
Response: 3229626
Conc: 19.81 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



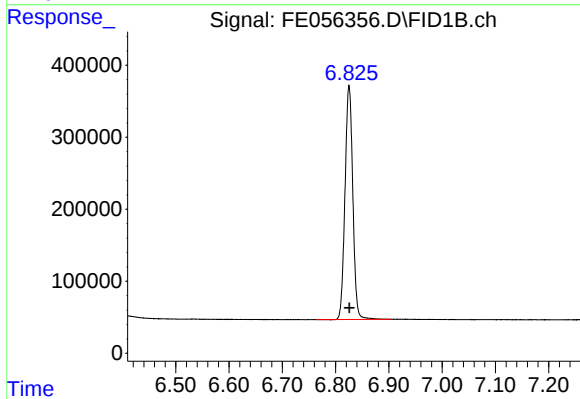
#2 n-Decane (C10)

R.T.: 4.652 min
Delta R.T.: 0.000 min
Response: 3251290
Conc: 19.77 ug/ml



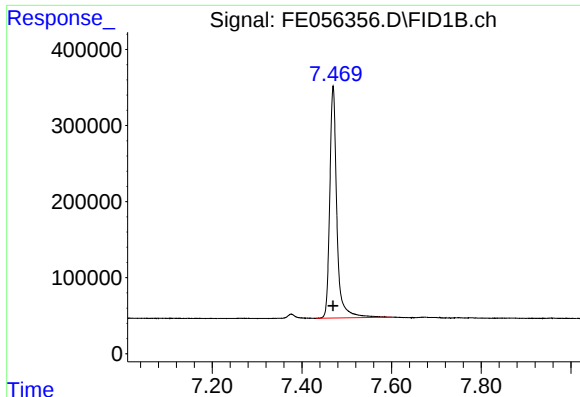
#3 A~Naphthalene (C11.7)

R.T.: 6.369 min
Delta R.T.: 0.000 min
Response: 3508004
Conc: 19.84 ug/ml



#4 n-Dodecane (C12)

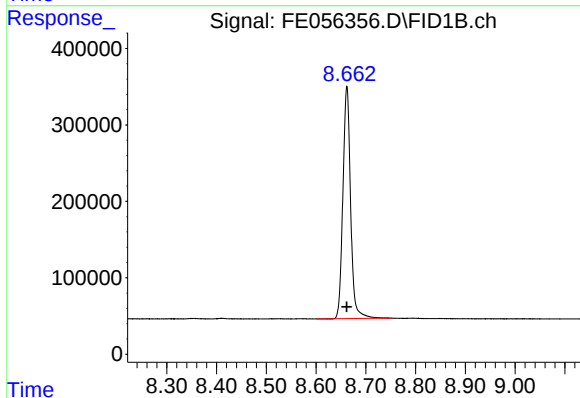
R.T.: 6.825 min
Delta R.T.: 0.000 min
Response: 3303881
Conc: 19.69 ug/ml



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

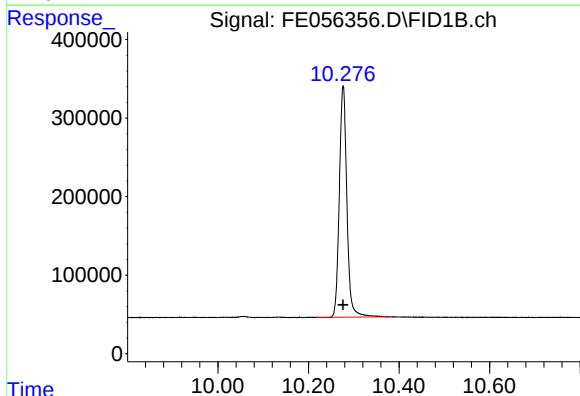
R.T.: 7.470 min
Delta R.T.: 0.000 min
Response: 3357383
Conc: 20.15 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



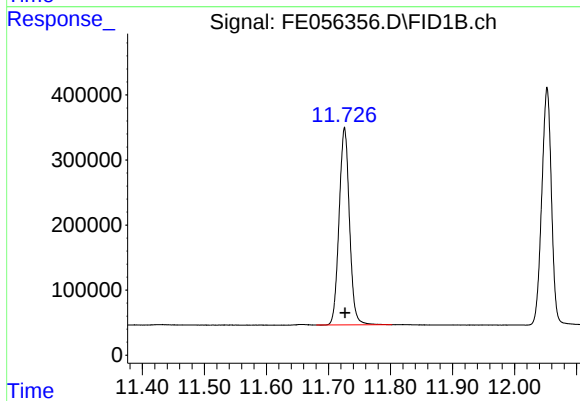
#6 n-Tetradecane (C14)

R.T.: 8.662 min
Delta R.T.: 0.000 min
Response: 3263139
Conc: 19.64 ug/ml



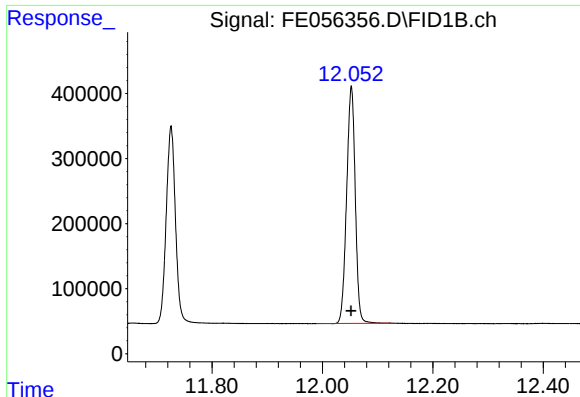
#7 n-Hexadecane (C16)

R.T.: 10.277 min
Delta R.T.: 0.000 min
Response: 3411575
Conc: 19.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.726 min
Delta R.T.: 0.000 min
Response: 3525888
Conc: 19.33 ug/ml



#9 ortho-Terphenyl (SURR)

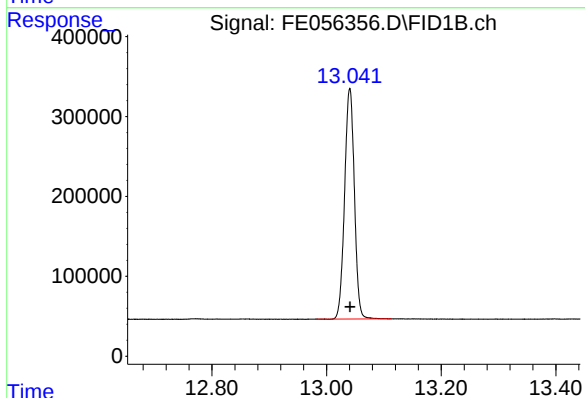
R.T.: 12.052 min
Delta R.T.: 0.000 min
Response: 3949794
Conc: 19.33 ug/ml

Instrument :

FID_E

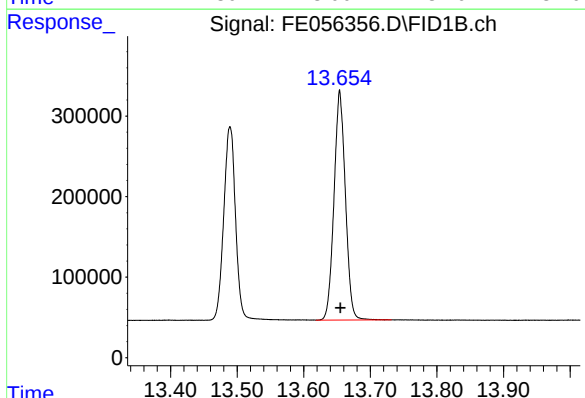
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



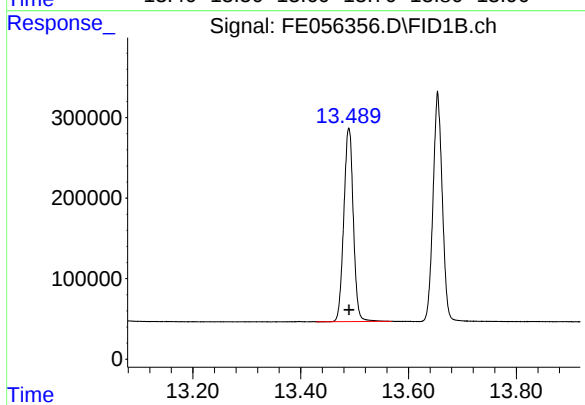
#10 n-Eicosane (C20)

R.T.: 13.040 min
Delta R.T.: 0.000 min
Response: 3421073
Conc: 19.21 ug/ml



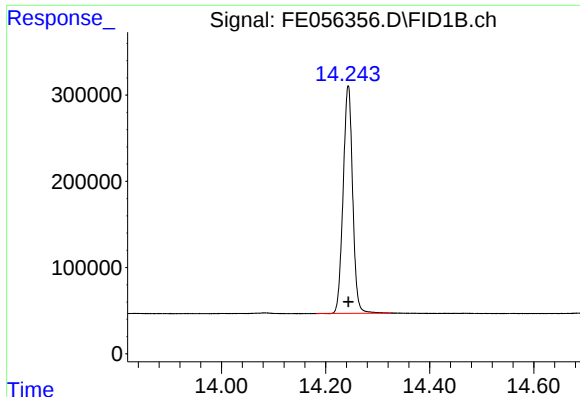
#11 n-Heneicosane (C21)

R.T.: 13.654 min
Delta R.T.: -0.001 min
Response: 3380745
Conc: 19.27 ug/ml



#12 1-chlorooctadecane (SURR)

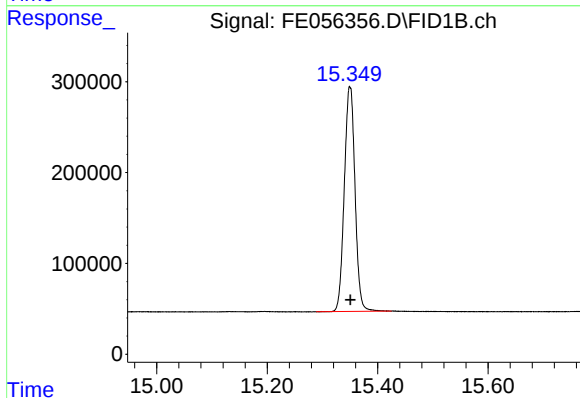
R.T.: 13.489 min
Delta R.T.: 0.000 min
Response: 2945133
Conc: 19.30 ug/ml



#13 n-Docosane (C22)

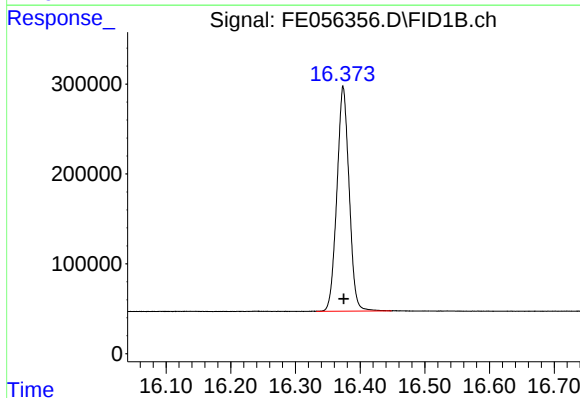
R.T.: 14.243 min
Delta R.T.: 0.000 min
Response: 3347619
Conc: 18.91 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



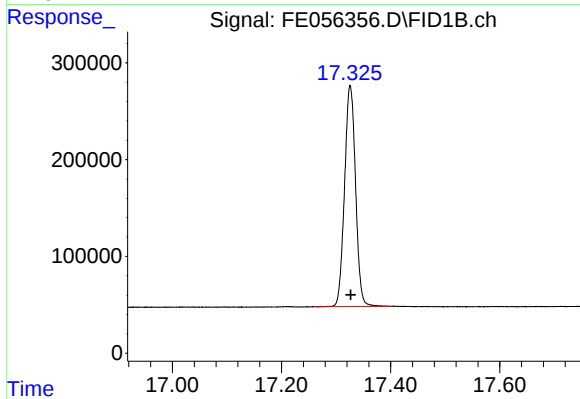
#14 n-Tetracosane (C24)

R.T.: 15.350 min
Delta R.T.: 0.000 min
Response: 3333057
Conc: 18.32 ug/ml



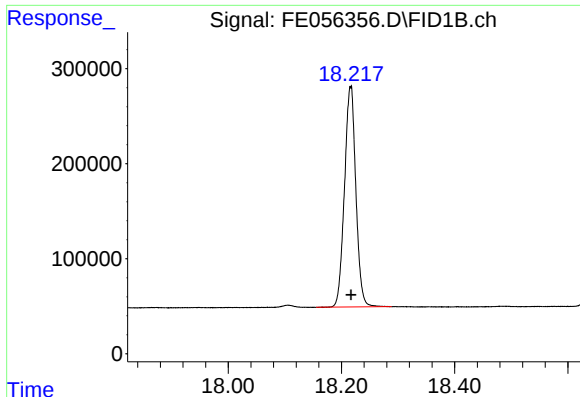
#15 n-Hexacosane (C26)

R.T.: 16.374 min
Delta R.T.: 0.000 min
Response: 3273041
Conc: 18.23 ug/ml



#16 n-Octacosane (C28)

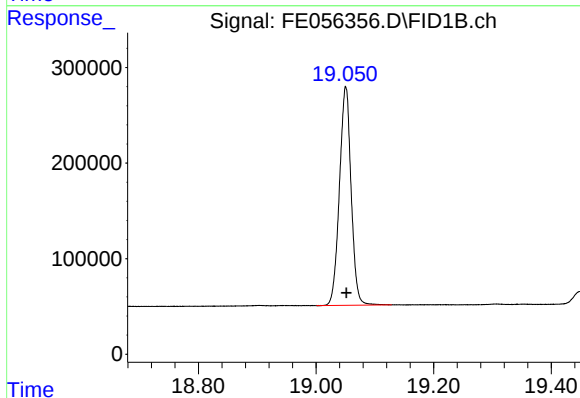
R.T.: 17.326 min
Delta R.T.: 0.000 min
Response: 3193103
Conc: 17.95 ug/ml



#17 n-Tricontane (C30)

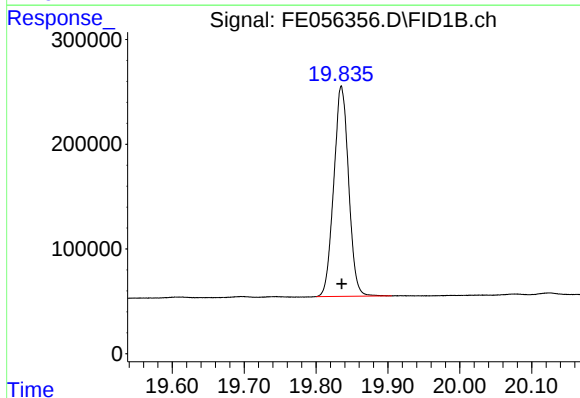
R.T.: 18.216 min
Delta R.T.: 0.000 min
Response: 3242704
Conc: 17.86 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



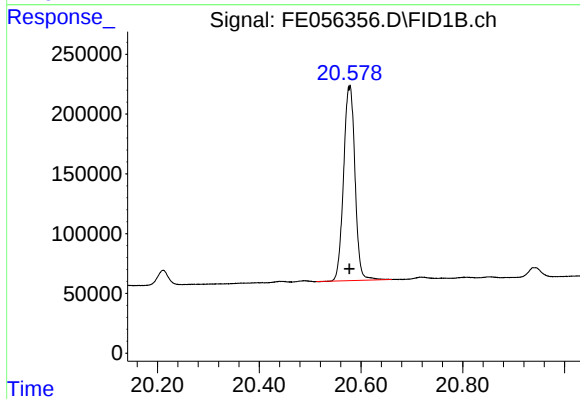
#18 n-Dotriacontane (C32)

R.T.: 19.050 min
Delta R.T.: -0.001 min
Response: 3153184
Conc: 17.89 ug/ml



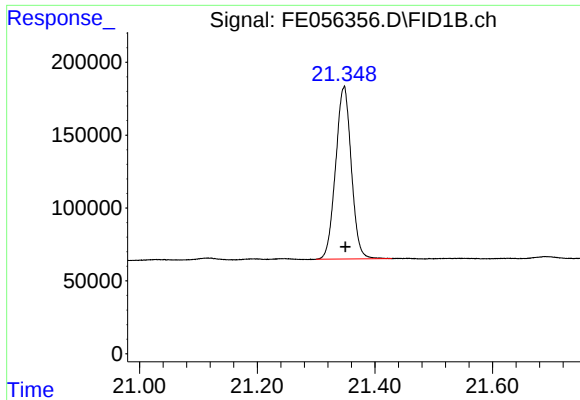
#19 n-Tetratriacontane (C34)

R.T.: 19.835 min
Delta R.T.: 0.000 min
Response: 2883877
Conc: 18.63 ug/ml



#20 n-Hexatriacontane (C36)

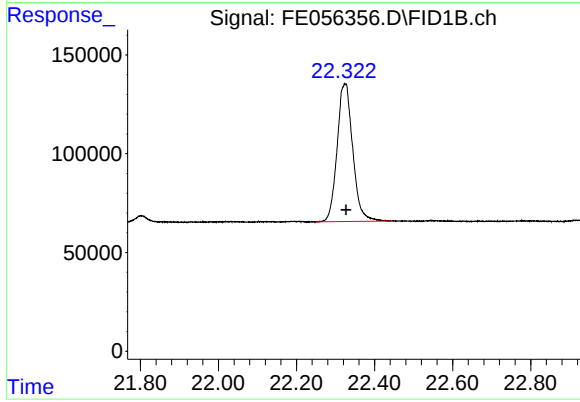
R.T.: 20.578 min
Delta R.T.: 0.000 min
Response: 2529671
Conc: 20.25 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.347 min
Delta R.T.: -0.003 min
Response: 2185918
Conc: 20.92 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.324 min
Delta R.T.: -0.003 min
Response: 1935013
Conc: 21.32 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101725AL\
Data File : FE056356.D
Signal(s) : FID1B.ch
Acq On : 16 Oct 2025 20:01
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 101725.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	3.399	3.364	3.472	BB	329383	3229626	81.77%	4.639%
2	4.652	4.620	4.734	BB	326792	3251290	82.32%	4.670%
3	6.369	6.310	6.484	BB	340988	3508004	88.81%	5.038%
4	6.825	6.764	6.905	BB	325042	3303881	83.65%	4.745%
5	7.470	7.432	7.600	BB	305406	3357383	85.00%	4.822%
6	8.662	8.600	8.752	BB	303744	3263139	82.62%	4.687%
7	10.277	10.217	10.384	BB	295339	3411575	86.37%	4.900%
8	11.726	11.680	11.802	BB	303036	3525888	89.27%	5.064%
9	12.052	11.989	12.125	BB	364645	3949794	100.00%	5.673%
10	13.040	12.982	13.114	BB	288511	3421073	86.61%	4.914%
11	13.489	13.429	13.569	BB	239866	2945133	74.56%	4.230%
12	13.654	13.619	13.732	BB	284673	3380745	85.59%	4.856%
13	14.243	14.182	14.327	BB	264305	3347619	84.75%	4.808%
14	15.350	15.289	15.425	BB	246764	3333057	84.39%	4.787%
15	16.374	16.332	16.449	BB	250306	3273041	82.87%	4.701%
16	17.326	17.264	17.402	BB	228409	3193103	80.84%	4.586%
17	18.216	18.155	18.289	BB	232756	3242704	82.10%	4.657%
18	19.050	19.000	19.129	BB	229356	3153184	79.83%	4.529%
19	19.835	19.800	19.905	BB	200556	2883877	73.01%	4.142%
20	20.578	20.512	20.660	BB	160867	2529671	64.05%	3.633%
21	21.347	21.300	21.429	BB	117716	2185918	55.34%	3.140%
22	22.324	22.250	22.444	BB	69158	1935013	48.99%	2.779%
Sum of corrected areas:						69624716		

Aliphatic EPH 101725.M Fri Oct 17 08:49:01 2025

Continuing Calibration Report for SequenceID : FC102825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC070059.D

Aliphatic C9-C12	7996857.000	60.000	3.277	6.572	133280.950	144785.198	7.946
Aliphatic C12-C16	5964236.000	40.000	6.573	9.973	149105.900	163782.335	8.961
Aliphatic C16-C21	8931229.000	60.000	9.974	13.340	148853.817	161945.502	8.084
Aliphatic C21-C28	10881486.000	80.000	13.341	17.005	136018.575	147142.336	7.560
Aliphatic C28-C40	13484302.000	120.000	17.006	21.959	112369.183	107599.833	-4.432
Aliphatic EPH	47258110.000	360.000	3.277	21.959	131272.528	137884.728	4.795

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	28 Oct 2025 11:59
Client Sample ID:		Operator:	YP/AJ
Data file:	FC070059.D	Misc:	
Instrument:	FID_C	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.277	6.572	7996857.000	60.000	ug/ml
Aliphatic C12-C16	6.573	9.973	5964236.000	40.000	ug/ml
Aliphatic C16-C21	9.974	13.340	8931229.000	60.000	ug/ml
Aliphatic C21-C28	13.341	17.005	10881486.000	80.000	ug/ml
Aliphatic C28-C40	17.006	21.959	13484302.000	120.000	ug/ml
Aliphatic EPH	3.277	21.959	47258110.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC102825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC070069.D

Aliphatic C9-C12	8739229.000	60.000	3.277	6.572	145653.817	144785.198	-0.600
Aliphatic C12-C16	6704236.000	40.000	6.573	9.973	167605.900	163782.335	-2.335
Aliphatic C16-C21	10274461.000	60.000	9.974	13.340	171241.017	161945.502	-5.740
Aliphatic C21-C28	12726090.000	80.000	13.341	17.005	159076.125	147142.336	-8.110
Aliphatic C28-C40	15506732.000	120.000	17.006	21.959	129222.767	107599.833	-20.096
Aliphatic EPH	53950748.000	360.000	3.277	21.959	149863.189	137884.728	-8.687

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	28 Oct 2025 20:03
Client Sample ID:		Operator:	YP/AJ
Data file:	FC070069.D	Misc:	
Instrument:	FID_C	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.277	6.572	8739229.000	60.000	ug/ml
Aliphatic C12-C16	6.573	9.973	6704236.000	40.000	ug/ml
Aliphatic C16-C21	9.974	13.340	10274461.000	60.000	ug/ml
Aliphatic C21-C28	13.341	17.005	12726090.000	80.000	ug/ml
Aliphatic C28-C40	17.006	21.959	15506732.000	120.000	ug/ml
Aliphatic EPH	3.277	21.959	53950748.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FE102825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE056535.D

Aliphatic C9-C12	8834642.000	60.000	3.240	6.866	147244.033	165077.549	10.803
Aliphatic C12-C16	6204014.000	40.000	6.867	10.314	155100.350	170545.538	9.056
Aliphatic C16-C21	9180601.000	60.000	10.315	13.690	153010.017	178637.984	14.346
Aliphatic C21-C28	11664918.000	80.000	13.691	17.361	145811.475	179089.210	18.582
Aliphatic C28-C40	15384362.000	120.000	17.362	22.315	128203.017	138802.798	7.637
Aliphatic EPH	51268537.000	360.000	3.240	22.315	142412.603	162300.628	12.254

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	28 Oct 2025 12:49
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056535.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.240	6.866	8834642.000	60.000	ug/ml
Aliphatic C12-C16	6.867	10.314	6204014.000	40.000	ug/ml
Aliphatic C16-C21	10.315	13.690	9180601.000	60.000	ug/ml
Aliphatic C21-C28	13.691	17.361	11664918.000	80.000	ug/ml
Aliphatic C28-C40	17.362	22.315	15384362.000	120.000	ug/ml
Aliphatic EPH	3.240	22.315	51268537.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FE102825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE056550.D

Aliphatic C9-C12	9003004.000	60.000	3.240	6.866	150050.067	165077.549	9.103
Aliphatic C12-C16	6242994.000	40.000	6.867	10.314	156074.850	170545.538	8.485
Aliphatic C16-C21	9090420.000	60.000	10.315	13.690	151507.000	178637.984	15.188
Aliphatic C21-C28	11600360.000	80.000	13.691	17.361	145004.500	179089.210	19.032
Aliphatic C28-C40	15724890.000	120.000	17.362	22.315	131040.750	138802.798	5.592
Aliphatic EPH	51661668.000	360.000	3.240	22.315	143504.633	162300.628	11.581

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	28 Oct 2025 21:27
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056550.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.240	6.866	9003004.000	60.000	ug/ml
Aliphatic C12-C16	6.867	10.314	6242994.000	40.000	ug/ml
Aliphatic C16-C21	10.315	13.690	9090420.000	60.000	ug/ml
Aliphatic C21-C28	13.691	17.361	11600360.000	80.000	ug/ml
Aliphatic C28-C40	17.362	22.315	15724890.000	120.000	ug/ml
Aliphatic EPH	3.240	22.315	51661668.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FE102925AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE056553.D

Aliphatic C9-C12	9228143.000	60.000	3.236	6.863	153802.383	165077.549	6.830
Aliphatic C12-C16	6410010.000	40.000	6.864	10.312	160250.250	170545.538	6.037
Aliphatic C16-C21	9399409.000	60.000	10.313	13.688	156656.817	178637.984	12.305
Aliphatic C21-C28	12031721.000	80.000	13.689	17.359	150396.513	179089.210	16.021
Aliphatic C28-C40	16094269.000	120.000	17.360	22.313	134118.908	138802.798	3.374
Aliphatic EPH	53163552.000	360.000	3.236	22.313	147676.533	162300.628	9.010

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	29 Oct 2025 07:23
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056553.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.236	6.863	9228143.000	60.000	ug/ml
Aliphatic C12-C16	6.864	10.312	6410010.000	40.000	ug/ml
Aliphatic C16-C21	10.313	13.688	9399409.000	60.000	ug/ml
Aliphatic C21-C28	13.689	17.359	12031721.000	80.000	ug/ml
Aliphatic C28-C40	17.360	22.313	16094269.000	120.000	ug/ml
Aliphatic EPH	3.236	22.313	53163552.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FE102925AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE056563.D

Aliphatic C9-C12	9392853.000	60.000	3.236	6.863	156547.550	165077.549	5.167
Aliphatic C12-C16	6554095.000	40.000	6.864	10.312	163852.375	170545.538	3.925
Aliphatic C16-C21	9578653.000	60.000	10.313	13.688	159644.217	178637.984	10.633
Aliphatic C21-C28	12186283.000	80.000	13.689	17.359	152328.538	179089.210	14.943
Aliphatic C28-C40	16383631.000	120.000	17.360	22.313	136530.258	138802.798	1.637
Aliphatic EPH	54095515.000	360.000	3.236	22.313	150265.319	162300.628	7.415

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	29 Oct 2025 13:07
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056563.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.236	6.863	9392853.000	60.000	ug/ml
Aliphatic C12-C16	6.864	10.312	6554095.000	40.000	ug/ml
Aliphatic C16-C21	10.313	13.688	9578653.000	60.000	ug/ml
Aliphatic C21-C28	13.689	17.359	12186283.000	80.000	ug/ml
Aliphatic C28-C40	17.360	22.313	16383631.000	120.000	ug/ml
Aliphatic EPH	3.236	22.313	54095515.000	360.000	ug/ml



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102825AL\
 Data File : FE056540.D
 Signal(s) : FID1B.ch
 Acq On : 28 Oct 2025 15:24
 Operator : YP\AJ
 Sample : Q3466-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 B8-0.0-1.0-20251023

Integration File: sample.E
 Quant Time: Oct 29 04:12:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 28 14:34:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.986	5304696	25.966 ug/ml
Spiked Amount 50.000		Recovery =	51.93%
12) S 1-chlorooctadecane (S...	13.426	4090797	26.811 ug/ml
Spiked Amount 50.000		Recovery =	53.62%

Target Compounds

(f)=RT Delta > 1/2 Window

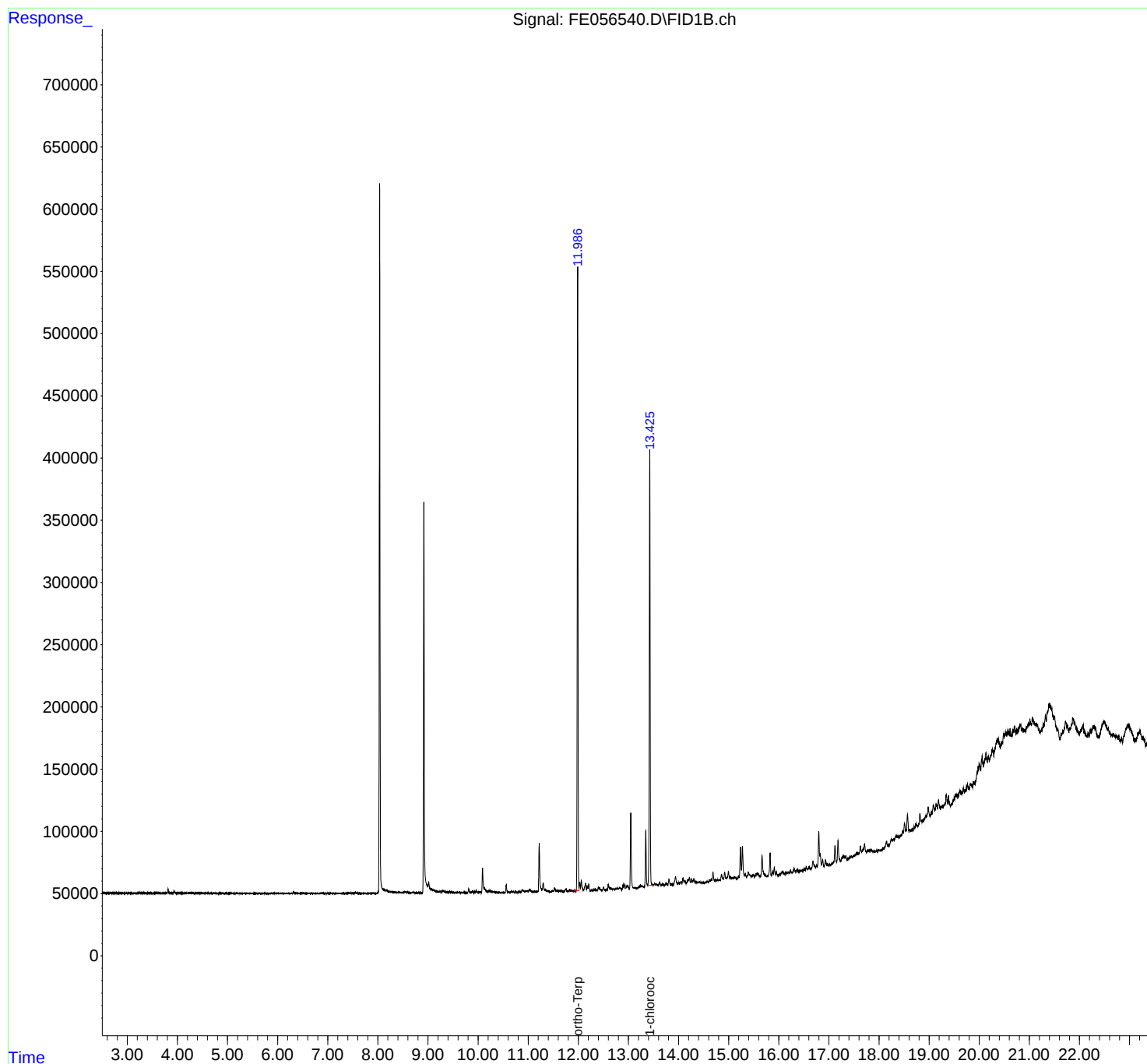
(m)=manual int.

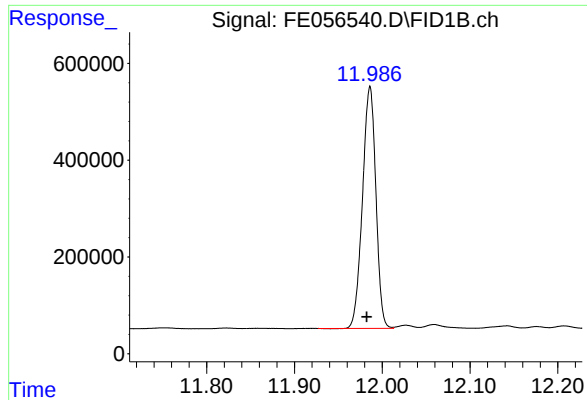
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102825AL\
Data File : FE056540.D
Signal(s) : FID1B.ch
Acq On : 28 Oct 2025 15:24
Operator : YP\AJ
Sample : Q3466-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
B8-0.0-1.0-20251023

Integration File: sample.E
Quant Time: Oct 29 04:12:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 28 14:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

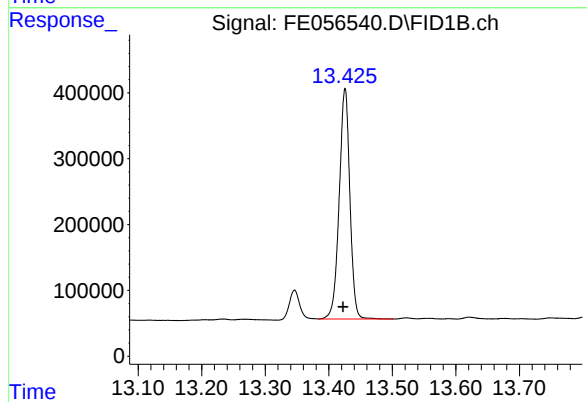




#9 ortho-Terphenyl (SURR)

R.T.: 11.986 min
Delta R.T.: 0.003 min
Response: 5304696
Conc: 25.97 ug/ml

Instrument :
FID_E
ClientSampleId :
B8-0.0-1.0-20251023



#12 1-chlorooctadecane (SURR)

R.T.: 13.426 min
Delta R.T.: 0.003 min
Response: 4090797
Conc: 26.81 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102925AL\
Data File : FE056554.D
Signal(s) : FID1B.ch
Acq On : 29 Oct 2025 08:05
Operator : YP\AJ
Sample : Q3466-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
B9-0.0-1.0-20251023

Integration File: sample.E
Quant Time: Oct 30 01:23:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 28 14:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.988	7578616	37.097 ug/ml
Spiked Amount	50.000	Recovery	= 74.19%
12) S 1-chlorooctadecane (S...	13.425	4326349	28.355 ug/ml
Spiked Amount	50.000	Recovery	= 56.71%

Target Compounds

(f)=RT Delta > 1/2 Window

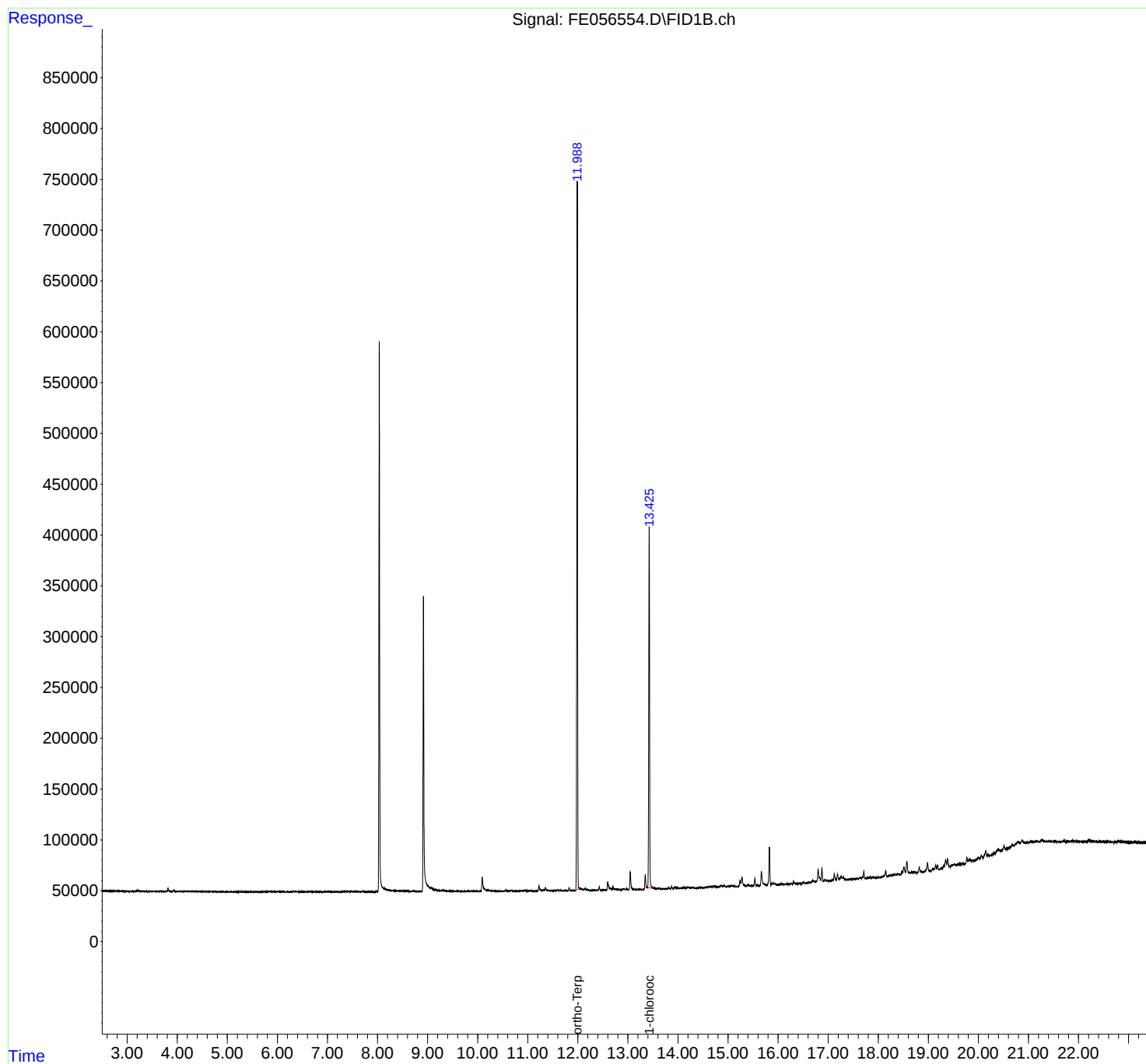
(m)=manual int.

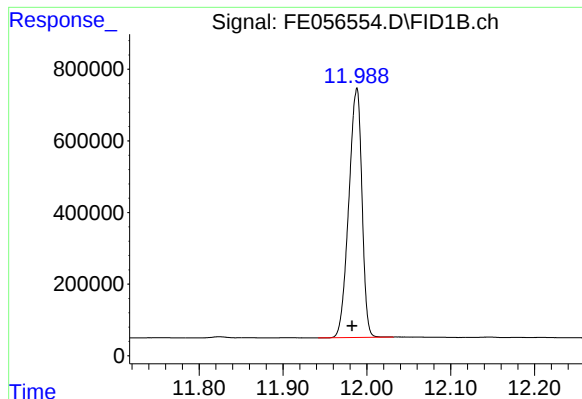
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102925AL\
Data File : FE056554.D
Signal(s) : FID1B.ch
Acq On : 29 Oct 2025 08:05
Operator : YP\AJ
Sample : Q3466-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
B9-0.0-1.0-20251023

Integration File: sample.E
Quant Time: Oct 30 01:23:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 28 14:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

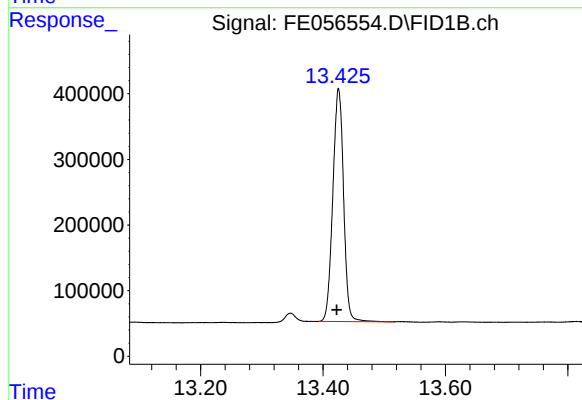




#9 ortho-Terphenyl (SURR)

R.T.: 11.988 min
Delta R.T.: 0.005 min
Response: 7578616
Conc: 37.10 ug/ml

Instrument :
FID_E
ClientSampleId :
B9-0.0-1.0-20251023



#12 1-chlorooctadecane (SURR)

R.T.: 13.425 min
Delta R.T.: 0.003 min
Response: 4326349
Conc: 28.35 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102925AL\
 Data File : FE056554.D
 Signal(s) : FID1B.ch
 Acq On : 29 Oct 2025 08:05
 Sample : Q3466-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.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	2.839	2.804	2.858	BV	171	2873	0.04%	0.009%
2	2.876	2.858	2.962	VV	178	3691	0.05%	0.012%
3	2.972	2.962	3.001	VV	108	1201	0.02%	0.004%
4	3.015	3.001	3.061	VV	174	2220	0.03%	0.007%
5	3.080	3.061	3.102	PV	113	1909	0.02%	0.006%
6	3.111	3.102	3.166	VV	157	2578	0.03%	0.008%
7	3.205	3.166	3.318	VV	799	32353	0.42%	0.101%
8	3.334	3.318	3.374	VV	245	5537	0.07%	0.017%
9	3.390	3.374	3.465	VV	214	6369	0.08%	0.020%
10	3.490	3.465	3.600	VV	241	12924	0.17%	0.041%
11	3.623	3.600	3.676	VV	212	5847	0.08%	0.018%
12	3.694	3.676	3.730	VV	530	6485	0.08%	0.020%
13	3.745	3.730	3.761	VV	122	1569	0.02%	0.005%
14	3.774	3.761	3.798	VV	270	4408	0.06%	0.014%
15	3.815	3.798	3.909	VV	3613	44528	0.58%	0.140%
16	3.933	3.909	3.994	VV	1804	24620	0.32%	0.077%
17	4.021	3.994	4.051	VV	242	4511	0.06%	0.014%
18	4.059	4.051	4.091	VV	165	2612	0.03%	0.008%
19	4.097	4.091	4.109	VV	138	1012	0.01%	0.003%
20	4.151	4.109	4.202	VV	440	17386	0.23%	0.055%
21	4.210	4.202	4.231	VV	357	5235	0.07%	0.016%
22	4.255	4.231	4.306	VV	327	11512	0.15%	0.036%
23	4.345	4.306	4.403	VV	369	17314	0.22%	0.054%
24	4.413	4.403	4.504	VV	301	12994	0.17%	0.041%
25	4.508	4.504	4.524	VV	215	1886	0.02%	0.006%
26	4.538	4.524	4.551	VV	205	2809	0.04%	0.009%
27	4.555	4.551	4.571	VV	202	1940	0.03%	0.006%
28	4.595	4.571	4.615	VV	295	5800	0.08%	0.018%
29	4.629	4.615	4.645	VV	193	3195	0.04%	0.010%
30	4.661	4.645	4.702	VV	172	5651	0.07%	0.018%
31	4.710	4.702	4.740	VV	199	2165	0.03%	0.007%
32	4.762	4.740	4.798	PV	366	5194	0.07%	0.016%
33	4.822	4.798	4.837	VV	124	1985	0.03%	0.006%
34	4.847	4.837	4.934	VV	144	5099	0.07%	0.016%
35	4.943	4.934	4.971	VV	82	1705	0.02%	0.005%
36	5.032	4.971	5.086	VV	164	6927	0.09%	0.022%

					rteres			
37	5.098	5.086	5.138	VV	110	2761	0.04%	0.009%
38	5.144	5.138	5.164	VV	144	1397	0.02%	0.004%
39	5.171	5.164	5.195	VV	147	1115	0.01%	0.003%
40	5.219	5.195	5.233	VV	94	1361	0.02%	0.004%
41	5.252	5.233	5.275	VV	219	2966	0.04%	0.009%
42	5.297	5.275	5.344	VV	123	2389	0.03%	0.007%
43	5.355	5.344	5.368	PV	88	693	0.01%	0.002%
44	5.376	5.368	5.398	VV	71	794	0.01%	0.002%
45	5.419	5.398	5.465	VV	119	3247	0.04%	0.010%
46	5.474	5.465	5.522	VV	103	2282	0.03%	0.007%
47	5.546	5.522	5.593	PV	292	6797	0.09%	0.021%
48	5.610	5.593	5.653	VV	147	2894	0.04%	0.009%
49	5.662	5.653	5.690	VV	95	1414	0.02%	0.004%
50	5.701	5.690	5.714	VV	77	839	0.01%	0.003%
51	5.732	5.714	5.762	VV	234	4681	0.06%	0.015%
52	5.770	5.762	5.808	VV	205	3609	0.05%	0.011%
53	5.819	5.808	5.888	VV	241	10188	0.13%	0.032%
54	5.931	5.888	5.960	VV	322	8893	0.12%	0.028%
55	6.006	5.960	6.024	VV	280	7545	0.10%	0.024%
56	6.030	6.024	6.061	VV	268	3948	0.05%	0.012%
57	6.089	6.061	6.114	VV	306	7532	0.10%	0.024%
58	6.122	6.114	6.174	VV	303	6459	0.08%	0.020%
59	6.188	6.174	6.256	VV	204	6792	0.09%	0.021%
60	6.314	6.256	6.354	VV	678	16495	0.21%	0.052%
61	6.362	6.354	6.383	VV	216	3402	0.04%	0.011%
62	6.389	6.383	6.408	VV	214	2538	0.03%	0.008%
63	6.413	6.408	6.440	VV	180	2829	0.04%	0.009%
64	6.477	6.440	6.534	VV	424	10543	0.14%	0.033%
65	6.557	6.534	6.598	VV	326	7584	0.10%	0.024%
66	6.652	6.598	6.728	VV	310	13392	0.17%	0.042%
67	6.767	6.728	6.826	VV	234	5815	0.08%	0.018%
68	6.872	6.826	6.973	VV	160	9229	0.12%	0.029%
69	6.997	6.973	7.016	PV	323	4573	0.06%	0.014%
70	7.043	7.016	7.201	VV	391	16047	0.21%	0.050%
71	7.353	7.201	7.388	VV	420	22692	0.29%	0.071%
72	7.417	7.388	7.439	VV	406	9913	0.13%	0.031%
73	7.461	7.439	7.514	VV	363	13236	0.17%	0.042%
74	7.569	7.514	7.691	VV	267	20751	0.27%	0.065%
75	7.716	7.691	7.781	VV	273	7306	0.09%	0.023%
76	7.819	7.781	7.934	PV	142	6735	0.09%	0.021%
77	8.500	8.458	8.584	VV	972	57368	0.74%	0.180%
78	8.598	8.584	8.660	VV	738	22388	0.29%	0.070%
79	8.722	8.660	8.811	VV	666	35386	0.46%	0.111%
80	8.831	8.811	8.884	VV	249	7285	0.09%	0.023%
81	9.300	9.271	9.384	VV	1275	64837	0.84%	0.203%
82	9.428	9.384	9.545	VV	798	44743	0.58%	0.140%
83	9.589	9.545	9.649	VV	368	17035	0.22%	0.053%
84	9.672	9.649	9.695	VV	192	4111	0.05%	0.013%
85	9.718	9.695	9.791	VV	208	7610	0.10%	0.024%
86	9.818	9.791	9.857	VV	526	12665	0.16%	0.040%
87	9.892	9.857	9.931	VV	588	16479	0.21%	0.052%
88	9.959	9.931	10.031	VV	369	12791	0.17%	0.040%
89	10.092	10.031	10.186	VV	13818	283005	3.66%	0.888%

					rteres			
90	10.207	10.186	10.302	VV	1188	47163	0.61%	0.148%
91	10.322	10.302	10.361	VV	428	10574	0.14%	0.033%
92	10.377	10.361	10.408	VV	282	5877	0.08%	0.018%
93	10.438	10.408	10.524	VV	223	6964	0.09%	0.022%
94	10.562	10.524	10.631	PV	1703	29429	0.38%	0.092%
95	10.661	10.631	10.728	VV	972	25870	0.33%	0.081%
96	10.742	10.728	10.798	VV	223	6135	0.08%	0.019%
97	10.883	10.798	10.901	VV	469	15063	0.19%	0.047%
98	10.952	10.901	10.998	VV	746	20836	0.27%	0.065%
99	11.050	10.998	11.114	VV	378	15986	0.21%	0.050%
100	11.225	11.114	11.279	VV	5084	94481	1.22%	0.296%
101	11.304	11.279	11.324	VV	1188	22194	0.29%	0.070%
102	11.355	11.324	11.498	VV	3226	79465	1.03%	0.249%
103	11.539	11.498	11.563	VV	230	7257	0.09%	0.023%
104	11.593	11.563	11.619	VV	1575	21735	0.28%	0.068%
105	11.662	11.619	11.702	VV	860	18649	0.24%	0.058%
106	11.755	11.702	11.788	PV	575	10481	0.14%	0.033%
107	11.824	11.788	11.884	VV	3198	44470	0.58%	0.139%
108	11.907	11.884	11.940	VV	546	7193	0.09%	0.023%
109	11.987	11.940	12.111	PV	701884	7726816	100.00%	24.234%
110	12.145	12.111	12.251	VV	2055	79153	1.02%	0.248%
111	12.272	12.251	12.296	VV	221	4099	0.05%	0.013%
112	12.330	12.296	12.357	PV	668	10973	0.14%	0.034%
113	12.428	12.357	12.481	VV	3364	47752	0.62%	0.150%
114	12.508	12.481	12.526	VV	343	6673	0.09%	0.021%
115	12.597	12.526	12.677	VV	7435	187004	2.42%	0.587%
116	12.701	12.677	12.738	VV	2784	58539	0.76%	0.184%
117	12.783	12.738	12.808	VV	779	30645	0.40%	0.096%
118	12.827	12.808	12.870	VV	652	16940	0.22%	0.053%
119	12.921	12.870	12.951	VV	1012	33222	0.43%	0.104%
120	12.974	12.951	13.021	VV	1212	25968	0.34%	0.081%
121	13.048	13.021	13.166	VV	17497	266869	3.45%	0.837%
122	13.237	13.166	13.271	PV	610	15671	0.20%	0.049%
123	13.347	13.271	13.391	VV	14410	216875	2.81%	0.680%
124	13.425	13.391	13.568	VV	357002	4462750	57.76%	13.997%
125	13.590	13.568	13.610	VV	1072	18125	0.23%	0.057%
126	13.630	13.610	13.668	VV	918	19500	0.25%	0.061%
127	13.764	13.668	13.788	VV	434	19450	0.25%	0.061%
128	13.813	13.788	13.844	VV	1202	21448	0.28%	0.067%
129	13.875	13.844	13.904	VV	2296	30916	0.40%	0.097%
130	13.941	13.904	13.976	VV	1792	41053	0.53%	0.129%
131	14.000	13.976	14.028	VV	822	16501	0.21%	0.052%
132	14.054	14.028	14.070	VV	816	15358	0.20%	0.048%
133	14.092	14.070	14.108	VV	1197	18571	0.24%	0.058%
134	14.128	14.108	14.154	VV	1409	21669	0.28%	0.068%
135	14.180	14.154	14.201	VV	1160	21014	0.27%	0.066%
136	14.218	14.201	14.247	VV	1340	24651	0.32%	0.077%
137	14.293	14.247	14.360	VV	1262	37956	0.49%	0.119%
138	14.461	14.360	14.500	PV	977	28493	0.37%	0.089%
139	14.578	14.500	14.598	VV	774	21756	0.28%	0.068%
140	14.617	14.598	14.636	VV	1390	21849	0.28%	0.069%
141	14.654	14.636	14.672	VV	1168	18231	0.24%	0.057%

					rteres			
142	14.741	14.672	14.798	VV	1637	74028	0.96%	0.232%
143	14.816	14.798	14.831	VV	990	14852	0.19%	0.047%
144	14.868	14.831	14.897	VV	1584	42683	0.55%	0.134%
145	14.922	14.897	14.964	VV	2293	46003	0.60%	0.144%
146	15.006	14.964	15.046	VV	1015	38156	0.49%	0.120%
147	15.079	15.046	15.101	VV	1219	32257	0.42%	0.101%
148	15.122	15.101	15.171	VV	1667	27743	0.36%	0.087%
149	15.239	15.171	15.258	PV	6169	98215	1.27%	0.308%
150	15.279	15.258	15.364	VV	9242	202165	2.62%	0.634%
151	15.396	15.364	15.453	VV	1355	37238	0.48%	0.117%
152	15.475	15.453	15.500	VV	404	6774	0.09%	0.021%
153	15.536	15.500	15.571	VV	7499	99722	1.29%	0.313%
154	15.587	15.571	15.630	VV	742	13202	0.17%	0.041%
155	15.667	15.630	15.778	PV	13623	271041	3.51%	0.850%
156	15.826	15.778	15.858	VV	37825	504528	6.53%	1.582%
157	15.879	15.858	15.897	VV	2270	33041	0.43%	0.104%
158	15.918	15.897	15.981	VV	1790	56658	0.73%	0.178%
159	16.071	15.981	16.125	VV	945	40948	0.53%	0.128%
160	16.187	16.125	16.214	VV	639	19574	0.25%	0.061%
161	16.309	16.214	16.361	VV	2831	72841	0.94%	0.228%
162	16.376	16.361	16.401	VV	611	11410	0.15%	0.036%
163	16.432	16.401	16.460	VV	687	16379	0.21%	0.051%
164	16.510	16.460	16.541	PV	1281	31439	0.41%	0.099%
165	16.608	16.541	16.638	VV	1052	38574	0.50%	0.121%
166	16.691	16.638	16.743	VV	2086	88925	1.15%	0.279%
167	16.800	16.743	16.849	VV	12766	296748	3.84%	0.931%
168	16.875	16.849	16.908	VV	13781	206054	2.67%	0.646%
169	16.935	16.908	17.016	VV	2447	86353	1.12%	0.271%
170	17.124	17.016	17.157	VV	6904	171834	2.22%	0.539%
171	17.187	17.157	17.218	VV	6546	128271	1.66%	0.402%
172	17.259	17.218	17.278	VV	4336	106868	1.38%	0.335%
173	17.304	17.278	17.374	VV	3379	100139	1.30%	0.314%
174	17.438	17.374	17.471	VV	940	39144	0.51%	0.123%
175	17.507	17.471	17.534	VV	1065	28731	0.37%	0.090%
176	17.561	17.534	17.611	VV	1079	34308	0.44%	0.108%
177	17.641	17.611	17.661	VV	1481	35145	0.45%	0.110%
178	17.711	17.661	17.768	VV	7020	139498	1.81%	0.438%
179	17.843	17.768	17.870	VV	1059	49831	0.64%	0.156%
180	17.890	17.870	17.950	VV	740	21428	0.28%	0.067%
181	17.994	17.950	18.020	PV	503	11177	0.14%	0.035%
182	18.150	18.020	18.178	PV	6387	128822	1.67%	0.404%
183	18.241	18.178	18.261	PV	1635	35753	0.46%	0.112%
184	18.336	18.261	18.364	VV	1367	64616	0.84%	0.203%
185	18.385	18.364	18.431	VV	1631	39896	0.52%	0.125%
186	18.513	18.431	18.543	VV	7360	202785	2.62%	0.636%
187	18.572	18.543	18.631	VV	12679	250440	3.24%	0.785%
188	18.669	18.631	18.691	VV	2166	45411	0.59%	0.142%
189	18.704	18.691	18.778	VV	1236	38976	0.50%	0.122%
190	18.819	18.778	18.914	PV	5500	110367	1.43%	0.346%
191	18.984	18.914	19.039	VV	8369	166785	2.16%	0.523%
192	19.092	19.039	19.116	PV	1977	54197	0.70%	0.170%
193	19.146	19.116	19.168	VV	4489	83504	1.08%	0.262%
194	19.185	19.168	19.215	VV	5105	66545	0.86%	0.209%

					rteres			
195	19.345	19.215	19.364	VV	8780	229291	2.97%	0.719%
196	19.384	19.364	19.438	VV	9017	186617	2.42%	0.585%
197	19.472	19.438	19.490	VV	2266	58530	0.76%	0.184%
198	19.519	19.490	19.571	VV	3331	105543	1.37%	0.331%
199	19.632	19.571	19.653	VV	2480	92705	1.20%	0.291%
200	19.681	19.653	19.703	VV	2073	48612	0.63%	0.152%
201	19.770	19.703	19.791	VV	7352	155135	2.01%	0.487%
202	19.837	19.791	19.860	VV	5432	169673	2.20%	0.532%
203	19.887	19.860	19.924	VV	3540	116450	1.51%	0.365%
204	19.995	19.924	20.024	VV	5055	228823	2.96%	0.718%
205	20.060	20.024	20.094	VV	6580	216501	2.80%	0.679%
206	20.145	20.094	20.174	VV	10269	331308	4.29%	1.039%
207	20.203	20.174	20.228	VV	5815	178568	2.31%	0.560%
208	20.387	20.228	20.441	VV	9542	918736	11.89%	2.881%
209	20.512	20.441	20.541	VV	12272	559509	7.24%	1.755%
210	20.675	20.541	20.714	VV	12854	1040796	13.47%	3.264%
211	20.792	20.714	20.848	VV	14037	1005986	13.02%	3.155%
212	20.873	20.848	20.951	VV	14746	788564	10.21%	2.473%
213	21.057	20.951	21.087	VV	11730	941365	12.18%	2.952%
214	21.168	21.087	21.228	VV	11012	916463	11.86%	2.874%
215	21.270	21.228	21.369	VV	11833	857814	11.10%	2.690%
216	21.391	21.369	21.570	VV	9102	980433	12.69%	3.075%
217	21.612	21.570	21.678	VV	6985	425540	5.51%	1.335%
218	21.714	21.678	21.751	VV	6666	278088	3.60%	0.872%
219	21.940	21.751	22.061	VV	4554	836371	10.82%	2.623%
220	22.106	22.061	22.138	VV	2754	119648	1.55%	0.375%
221	22.219	22.138	22.278	VV	2656	175453	2.27%	0.550%
222	22.295	22.278	22.334	VV	1313	39155	0.51%	0.123%
223	22.354	22.334	22.398	VV	797	18936	0.25%	0.059%
Sum of corrected areas:					31884378			

Aliphatic EPH 101725.M Thu Oct 30 01:57:11 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102825AL\
Data File : FE056542.D
Signal(s) : FID1B.ch
Acq On : 28 Oct 2025 16:25
Operator : YP\AJ
Sample : Q3466-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
B7-1.0-2.0-20251023

Integration File: sample.E
Quant Time: Oct 29 04:15:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 28 14:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.985	4232130	20.716 ug/ml
Spiked Amount 50.000		Recovery =	41.43%
12) S 1-chlorooctadecane (S...	13.425	3240916	21.241 ug/ml
Spiked Amount 50.000		Recovery =	42.48%

Target Compounds

(f)=RT Delta > 1/2 Window

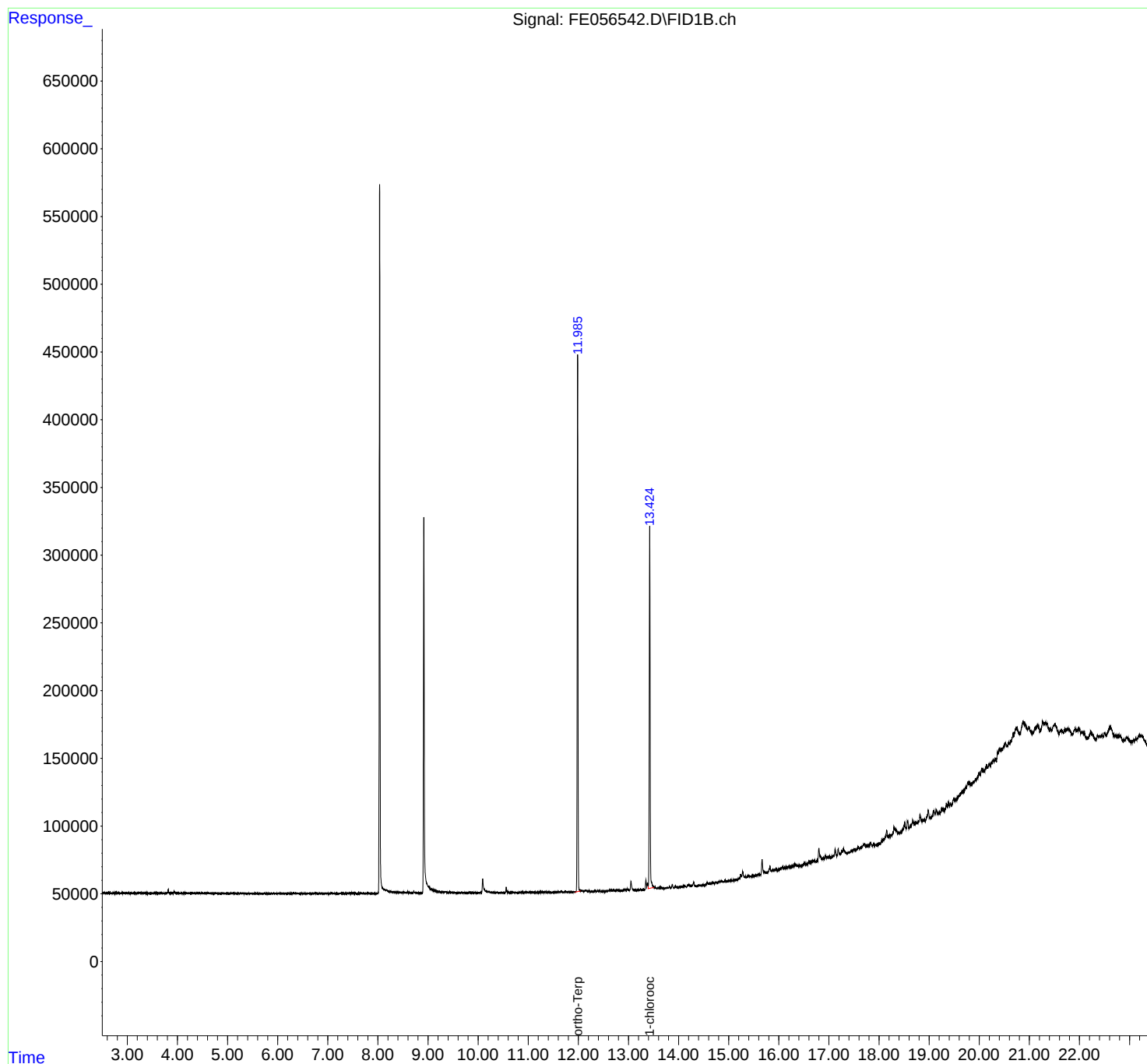
(m)=manual int.

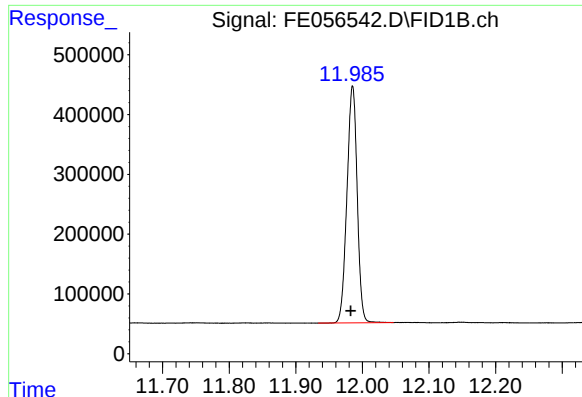
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102825AL\
Data File : FE056542.D
Signal(s) : FID1B.ch
Acq On : 28 Oct 2025 16:25
Operator : YP\AJ
Sample : Q3466-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
B7-1.0-2.0-20251023

Integration File: sample.E
Quant Time: Oct 29 04:15:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 28 14:34:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

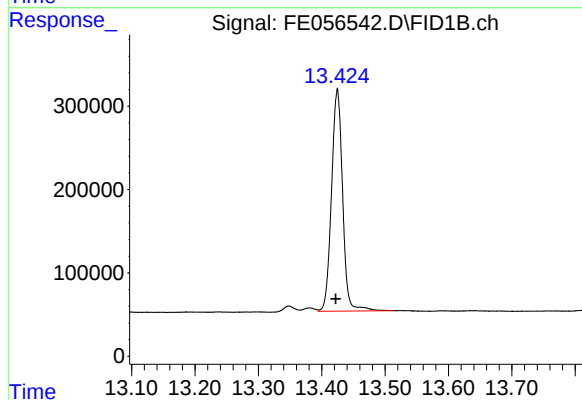




#9 ortho-Terphenyl (SURR)

R.T.: 11.985 min
Delta R.T.: 0.003 min
Response: 4232130
Conc: 20.72 ug/ml

Instrument :
FID_E
ClientSampleId :
B7-1.0-2.0-20251023



#12 1-chlorooctadecane (SURR)

R.T.: 13.425 min
Delta R.T.: 0.002 min
Response: 3240916
Conc: 21.24 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
 Data File : FC070060.D
 Signal(s) : FID1A.ch
 Acq On : 28 Oct 2025 13:19
 Operator : YP/AJ
 Sample : PB170266BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB170266BL

Integration File: autoint1.e
 Quant Time: Oct 29 03:45:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.642	6533927	37.208 ug/ml
Spiked Amount 50.000		Recovery =	74.42%
12) S 1-chlorooctadecane (S...	13.077	5156082	37.984 ug/ml
Spiked Amount 50.000		Recovery =	75.97%

Target Compounds

(f)=RT Delta > 1/2 Window

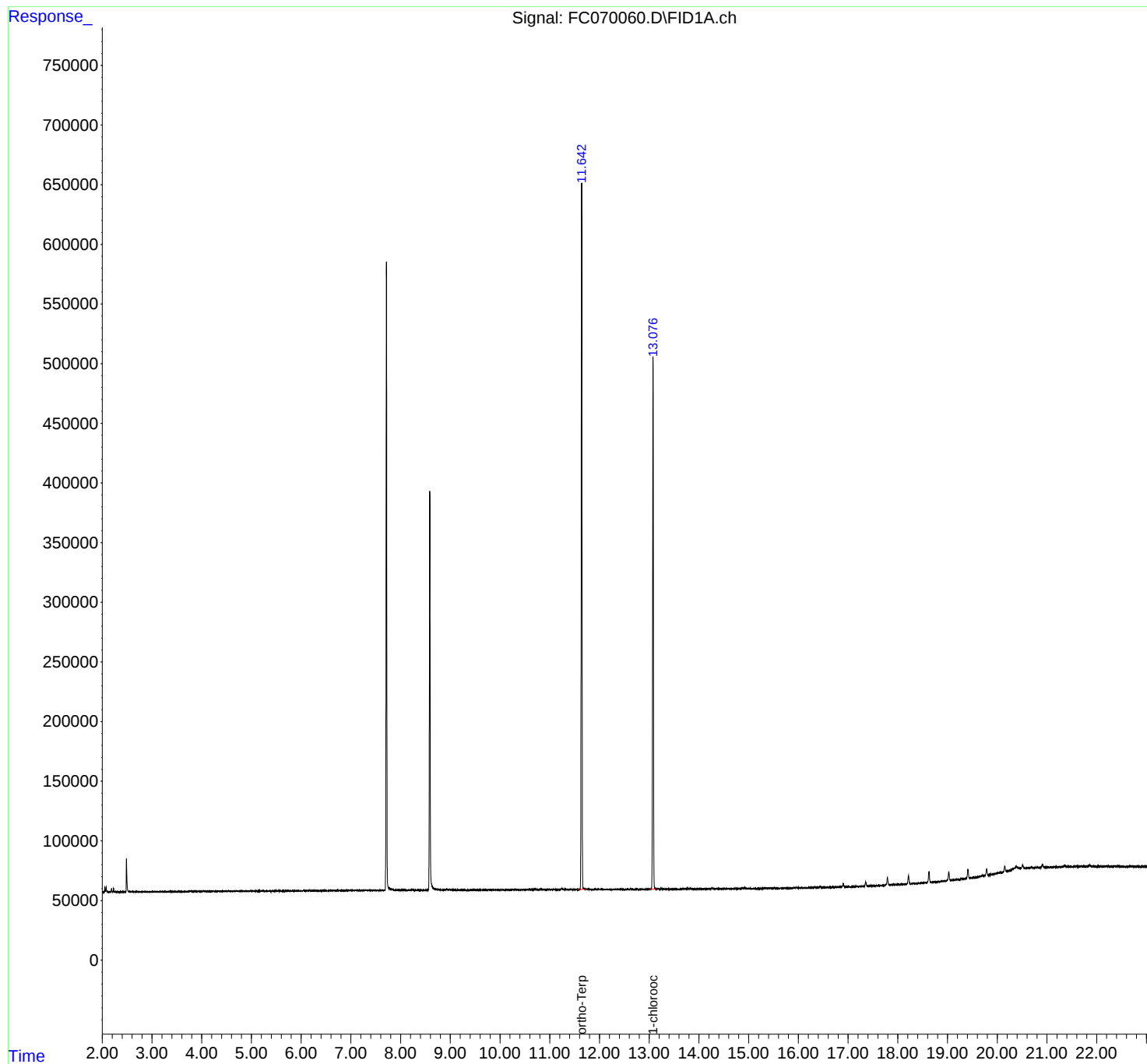
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070060.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 13:19
Operator : YP/AJ
Sample : PB170266BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB170266BL

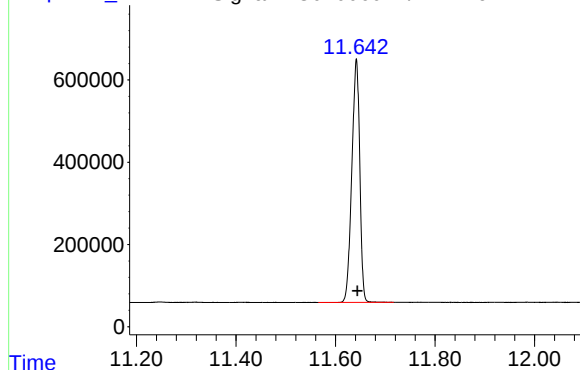
Integration File: autoint1.e
Quant Time: Oct 29 03:45:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: FC070060.D\FID1A.ch

#9 ortho-Terphenyl (SURR)

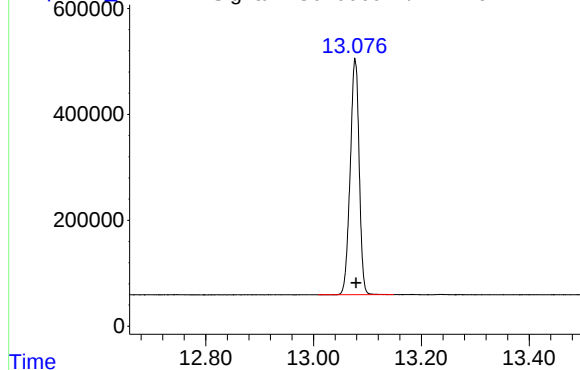


R.T.: 11.642 min
Delta R.T.: -0.002 min
Response: 6533927
Conc: 37.21 ug/ml

Instrument :
FID_C
ClientSampleId :
PB170266BL

Signal: FC070060.D\FID1A.ch

#12 1-chlorooctadecane (SURR)



R.T.: 13.077 min
Delta R.T.: -0.002 min
Response: 5156082
Conc: 37.98 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
 Data File : FC070060.D
 Signal(s) : FID1A.ch
 Acq On : 28 Oct 2025 13:19
 Sample : PB170266BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	11.642	11.565	11.717	BB	592865	6533927	100.00%	55.893%
2	13.077	13.008	13.148	BB	445378	5156082	78.91%	44.107%
Sum of corrected areas:							11690009	

Aliphatic EPH 100725.M Wed Oct 29 05:04:23 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
 Data File : FC070061.D
 Signal(s) : FID1A.ch
 Acq On : 28 Oct 2025 13:58
 Operator : YP/AJ
 Sample : PB170266BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB170266BS

Integration File: autoint1.e
 Quant Time: Oct 29 03:46:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.643	6583185	37.489 ug/ml
Spiked Amount 50.000		Recovery =	74.98%
12) S 1-chlorooctadecane (S...	13.076	5277309	38.877 ug/ml
Spiked Amount 50.000		Recovery =	77.75%
Target Compounds			
1) T n-Nonane (C9)	3.387	4650479	33.867 ug/ml
2) T n-Decane (C10)	4.455	5059400	35.193 ug/ml
3) T A~Naphthalene (C11.7)	6.046	6153980	38.078 ug/ml
4) T n-Dodecane (C12)	6.474	5635226	36.765 ug/ml
5) T A~2-methylnaphthalene...	7.105	5941085	37.236 ug/ml
6) T n-Tetradecane (C14)	8.274	6090686	38.296 ug/ml
7) T n-Hexadecane (C16)	9.875	6443448	38.235 ug/ml
8) T n-Octadecane (C18)	11.320	6465010	38.001 ug/ml
10) T n-Eicosane (C20)	12.631	6501061	40.522 ug/ml
11) T n-Heneicosane (C21)	13.244	6220754	40.063 ug/ml
13) T n-Docosane (C22)	13.831	6083189	39.528 ug/ml
14) T n-Tetracosane (C24)	14.931	11419021	75.308 ug/ml
15) T n-Hexacosane (C26)	15.958	5570515	38.486 ug/ml
16) T n-Octacosane (C28)	16.908	5285816	38.219 ug/ml
17) T n-Tricontane (C30)	17.797	5235733	38.347 ug/ml
18) T n-Dotriacontane (C32)	18.629	5101590	39.568 ug/ml
19) T n-Tetratriacontane (C34)	19.414	5187390	45.464 ug/ml
20) T n-Hexatriacontane (C36)	20.155	4854069	50.191 ug/ml
21) T n-Octatriacontane (C38)	20.912	5009101	57.471 ug/ml
22) T n-Tetracontane (C40)	21.863	4904253	59.690 ug/ml

(f)=RT Delta > 1/2 Window

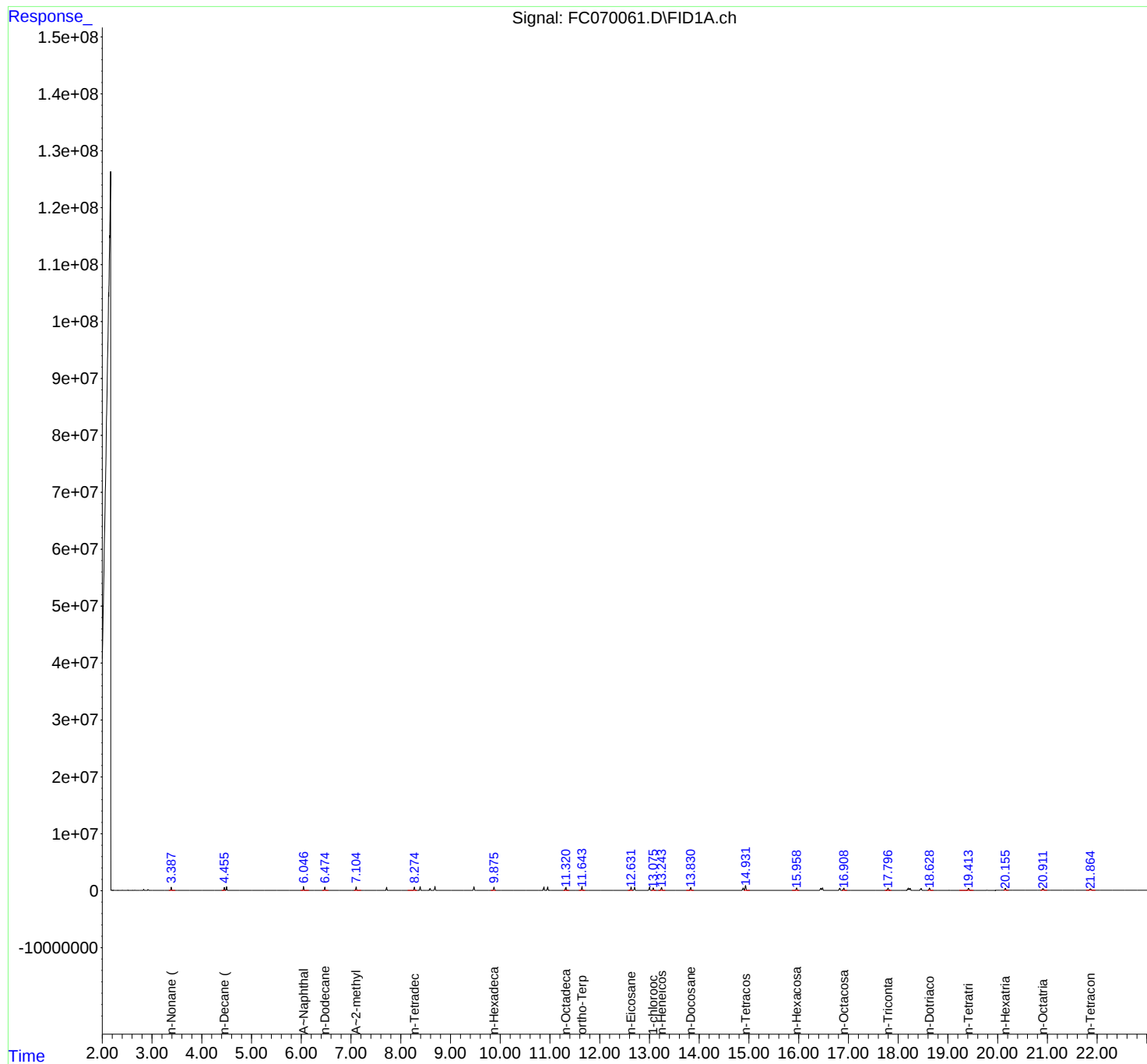
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070061.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 13:58
Operator : YP/AJ
Sample : PB170266BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB170266BS

Integration File: autoint1.e
Quant Time: Oct 29 03:46:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
 Data File : FC070061.D
 Signal(s) : FID1A.ch
 Acq On : 28 Oct 2025 13:58
 Sample : PB170266BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.387	3.337	3.467	BB	558475	4650479	40.73%	2.151%
2	4.455	4.402	4.477	BV	565217	5059400	44.31%	2.340%
3	4.500	4.477	4.543	VV	636800	5586985	48.93%	2.584%
4	6.046	5.985	6.152	BB	664107	6153980	53.89%	2.846%
5	6.474	6.420	6.547	BB	577243	5635226	49.35%	2.606%
6	7.105	7.059	7.205	BB	602491	5941085	52.03%	2.748%
7	8.274	8.140	8.327	BB	565703	6090686	53.34%	2.817%
8	8.390	8.327	8.474	BB	651603	6612135	57.90%	3.058%
9	8.688	8.655	8.787	VB	661309	6711613	58.78%	3.104%
10	9.473	9.414	9.575	BB	618682	6755054	59.16%	3.124%
11	9.875	9.809	9.909	BV	583012	6443448	56.43%	2.980%
12	10.879	10.795	10.920	BV	597536	6408272	56.12%	2.964%
13	10.955	10.920	11.054	VB	580075	6363879	55.73%	2.943%
14	11.320	11.270	11.387	BB	567160	6465010	56.62%	2.990%
15	11.643	11.580	11.709	BB	597465	6583185	57.65%	3.045%
16	12.631	12.565	12.664	BV	567190	6501061	56.93%	3.007%
17	12.701	12.664	12.789	VB	533707	6044081	52.93%	2.795%
18	13.002	12.930	13.035	BV	525382	5988995	52.45%	2.770%
19	13.076	13.035	13.135	VB	445144	5277309	46.22%	2.441%
20	13.244	13.179	13.319	BB	490391	6220754	54.48%	2.877%
21	13.831	13.740	13.892	BB	511350	6083189	53.27%	2.813%
22	14.884	14.812	14.903	BV	415063	5488473	48.06%	2.538%
23	14.931	14.903	15.020	VB	856441	11419021	100.00%	5.281%
24	15.958	15.865	16.010	BB	419343	5570515	48.78%	2.576%
25	16.446	16.370	16.461	BV	369234	5307897	46.48%	2.455%
26	16.480	16.461	16.572	VB	436828	5345003	46.81%	2.472%
27	16.827	16.754	16.869	BBA	370479	5067932	44.38%	2.344%
28	16.908	16.870	16.974	BB	397809	5285816	46.29%	2.445%
29	17.797	17.732	17.865	BB	396781	5235733	45.85%	2.421%
30	18.205	18.120	18.219	BV	365526	5187899	45.43%	2.399%
31	18.239	18.219	18.367	VB	346456	4891594	42.84%	2.262%
32	18.462	18.380	18.572	BB	331725	4797074	42.01%	2.219%
33	18.629	18.590	18.709	BB	351973	5101590	44.68%	2.359%
34	19.414	19.229	19.515	BB	351121	5187390	45.43%	2.399%
35	20.155	20.120	20.222	BB	331684	4854069	42.51%	2.245%
36	20.912	20.860	20.995	BB	274385	5009101	43.87%	2.317%

					rters				
37	21.863	21.775	21.967	BB	192289	4904253	42.95%	2.268%	
					Sum of corrected areas:	216229185			

Aliphatic EPH 100725.M Wed Oct 29 05:05:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
 Data File : FC070062.D
 Signal(s) : FID1A.ch
 Acq On : 28 Oct 2025 14:38
 Operator : YP/AJ
 Sample : PB170266BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB170266BSD

Integration File: autoint1.e
 Quant Time: Oct 29 03:46:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.643	6788843	38.660 ug/ml
Spiked Amount 50.000		Recovery =	77.32%
12) S 1-chlorooctadecane (S...	13.078	5478491	40.359 ug/ml
Spiked Amount 50.000		Recovery =	80.72%
Target Compounds			
1) T n-Nonane (C9)	3.388	4802337	34.973 ug/ml
2) T n-Decane (C10)	4.456	5239712	36.447 ug/ml
3) T A~Naphthalene (C11.7)	6.047	6350997	39.297 ug/ml
4) T n-Dodecane (C12)	6.475	5845462	38.137 ug/ml
5) T A~2-methylnaphthalene...	7.105	6125621	38.393 ug/ml
6) T n-Tetradecane (C14)	8.274	6343256	39.884 ug/ml
7) T n-Hexadecane (C16)	9.876	6712913	39.834 ug/ml
8) T n-Octadecane (C18)	11.320	6736591	39.597 ug/ml
10) T n-Eicosane (C20)	12.632	6767348	42.182 ug/ml
11) T n-Heneicosane (C21)	13.244	6467043	41.649 ug/ml
13) T n-Docosane (C22)	13.831	6317736	41.052 ug/ml
14) T n-Tetracosane (C24)	14.931	11721933	77.306 ug/ml
15) T n-Hexacosane (C26)	15.958	5749384	39.722 ug/ml
16) T n-Octacosane (C28)	16.907	5459099	39.472 ug/ml
17) T n-Tricontane (C30)	17.798	5417062	39.676 ug/ml
18) T n-Dotriacontane (C32)	18.630	5290602	41.034 ug/ml
19) T n-Tetratriacontane (C34)	19.415	5381965	47.169 ug/ml
20) T n-Hexatriacontane (C36)	20.156	5014123	51.846 ug/ml
21) T n-Octatriacontane (C38)	20.913	5115981	58.697 ug/ml
22) T n-Tetracontane (C40)	21.867	4987694	60.705 ug/ml

(f)=RT Delta > 1/2 Window

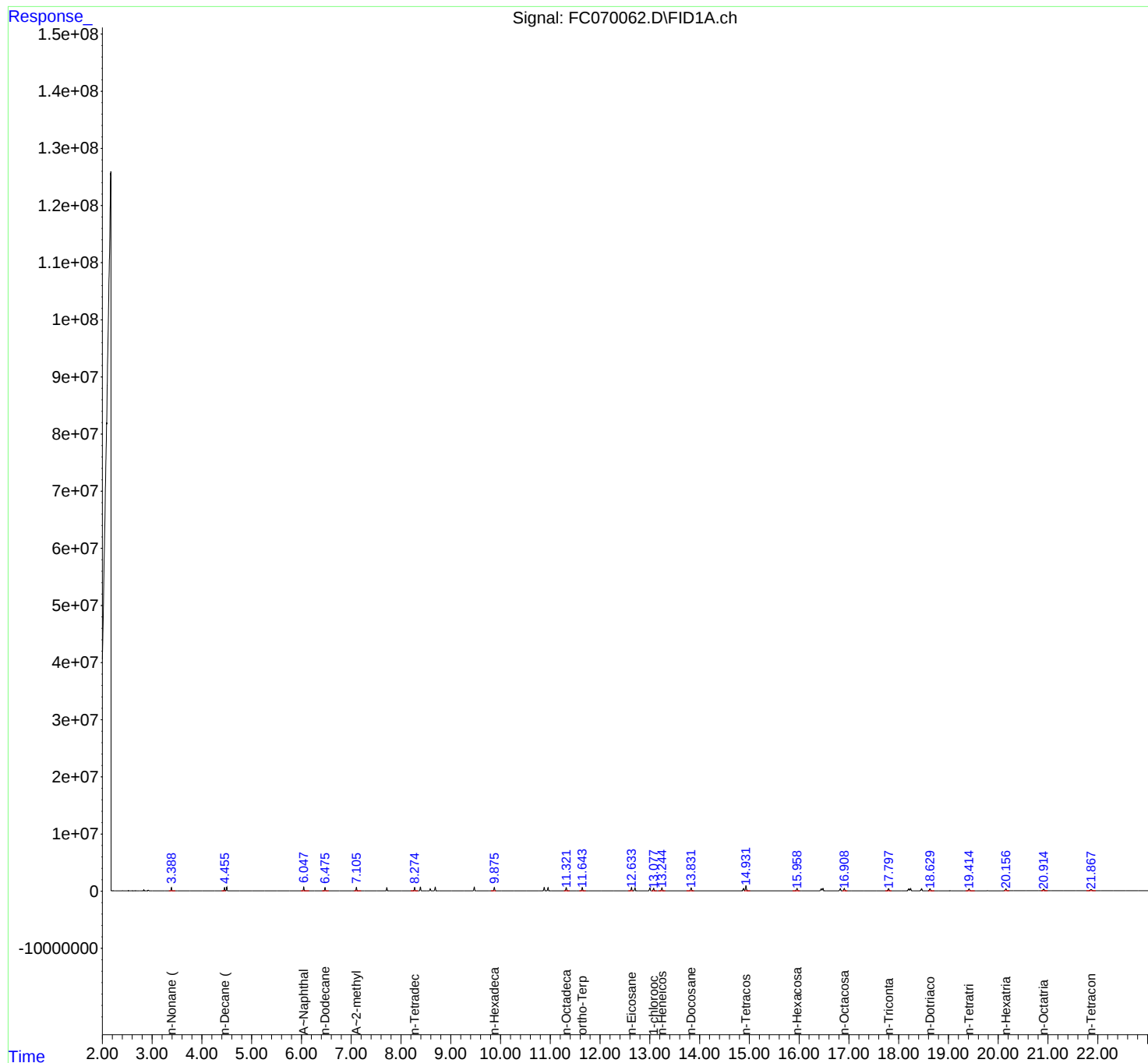
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070062.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 14:38
Operator : YP/AJ
Sample : PB170266BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB170266BSD

Integration File: autoint1.e
Quant Time: Oct 29 03:46:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
 Data File : FC070062.D
 Signal(s) : FID1A.ch
 Acq On : 28 Oct 2025 14:38
 Sample : PB170266BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.388	3.337	3.465	BB	586480	4802337	40.97%	2.155%
2	4.456	4.399	4.477	BV	589167	5239712	44.70%	2.351%
3	4.500	4.477	4.543	VV	658008	5764229	49.17%	2.587%
4	6.047	5.985	6.155	BB	693006	6350997	54.18%	2.850%
5	6.475	6.415	6.547	BB	601050	5845462	49.87%	2.623%
6	7.105	7.057	7.200	BB	615853	6125621	52.26%	2.749%
7	8.274	8.194	8.342	BB	609153	6343256	54.11%	2.846%
8	8.390	8.342	8.477	BB	669072	6814280	58.13%	3.058%
9	8.689	8.655	8.789	VB	665425	6916914	59.01%	3.104%
10	9.473	9.414	9.579	BB	654808	6953226	59.32%	3.120%
11	9.876	9.809	9.909	BV	608576	6712913	57.27%	3.012%
12	10.879	10.794	10.922	BV	589457	6571809	56.06%	2.949%
13	10.956	10.922	11.072	VB	567505	6529509	55.70%	2.930%
14	11.320	11.274	11.389	BB	569730	6736591	57.47%	3.023%
15	11.643	11.580	11.714	BB	602018	6788843	57.92%	3.046%
16	12.632	12.565	12.664	BV	584119	6767348	57.73%	3.037%
17	12.703	12.664	12.797	VB	556082	6172453	52.66%	2.770%
18	13.003	12.930	13.036	BV	532776	6110532	52.13%	2.742%
19	13.078	13.036	13.142	VB	466486	5478491	46.74%	2.458%
20	13.244	13.170	13.312	BB	552785	6467043	55.17%	2.902%
21	13.831	13.737	13.892	BB	506729	6317736	53.90%	2.835%
22	14.884	14.819	14.904	BV	417359	5595880	47.74%	2.511%
23	14.931	14.904	15.017	VB	901870	11721933	100.00%	5.260%
24	15.958	15.869	16.014	BB	439279	5749384	49.05%	2.580%
25	16.446	16.370	16.461	BV	375872	5408867	46.14%	2.427%
26	16.480	16.461	16.565	VB	443009	5417489	46.22%	2.431%
27	16.828	16.750	16.869	BBA	411793	5148605	43.92%	2.310%
28	16.907	16.870	16.967	BB	404043	5459099	46.57%	2.450%
29	17.798	17.730	17.859	BB	392556	5417062	46.21%	2.431%
30	18.205	18.120	18.220	BV	360844	5379958	45.90%	2.414%
31	18.241	18.220	18.374	VB	380205	5064465	43.21%	2.273%
32	18.461	18.389	18.577	BB	335520	4884770	41.67%	2.192%
33	18.630	18.590	18.717	BB	368216	5290602	45.13%	2.374%
34	19.415	19.345	19.529	BB	349415	5381965	45.91%	2.415%
35	20.156	20.120	20.224	BB	341196	5014123	42.78%	2.250%
36	20.913	20.860	20.992	BB	281939	5115981	43.64%	2.296%

37 21.867 21.770 21.960 BB 200855 4987694 42.55% 2.238%
Sum of corrected areas: 222847176

Aliphatic EPH 100725.M Wed Oct 29 05:07:02 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
 Data File : FC070065.D
 Signal(s) : FID1A.ch
 Acq On : 28 Oct 2025 16:39
 Operator : YP/AJ
 Sample : Q3469-01MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 TP-13MS

Integration File: autoint1.e
 Quant Time: Oct 29 07:48:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.641	4959543	28.243 ug/ml
Spiked Amount 50.000		Recovery =	56.49%
12) S 1-chlorooctadecane (S...	13.076	4099935	30.204 ug/ml
Spiked Amount 50.000		Recovery =	60.41%
Target Compounds			
1) T n-Nonane (C9)	3.378	3116026	22.692 ug/ml
2) T n-Decane (C10)	4.451	3586581	24.948 ug/ml
3) T A~Naphthalene (C11.7)	6.045	4684147	28.983 ug/ml
4) T n-Dodecane (C12)	6.473	4126061	26.919 ug/ml
5) T A~2-methylnaphthalene...	7.103	4496838	28.184 ug/ml
6) T n-Tetradecane (C14)	8.273	4623674	29.072 ug/ml
7) T n-Hexadecane (C16)	9.874	4957225	29.416 ug/ml
8) T n-Octadecane (C18)	11.319	4993173	29.349 ug/ml
10) T n-Eicosane (C20)	12.629	4937253	30.774 ug/ml
11) T n-Heneicosane (C21)	13.242	4820586	31.046 ug/ml
13) T n-Docosane (C22)	13.829	4718752	30.662 ug/ml
14) T n-Tetracosane (C24)	14.928	9207348	60.722 ug/ml
15) T n-Hexacosane (C26)	15.957	4307926	29.763 ug/ml
16) T n-Octacosane (C28)	16.906	4111065	29.725 ug/ml
17) T n-Tricontane (C30)	17.796	3976203	29.122 ug/ml
18) T n-Dotriacontane (C32)	18.628	3819775	29.626 ug/ml
19) T n-Tetratriacontane (C34)	19.412	3762941	32.979 ug/ml
20) T n-Hexatriacontane (C36)	20.152	3389119	35.044 ug/ml
21) T n-Octatriacontane (C38)	20.909	3364543	38.602 ug/ml
22) T n-Tetracontane (C40)	21.861	3288985	40.030 ug/ml

(f)=RT Delta > 1/2 Window

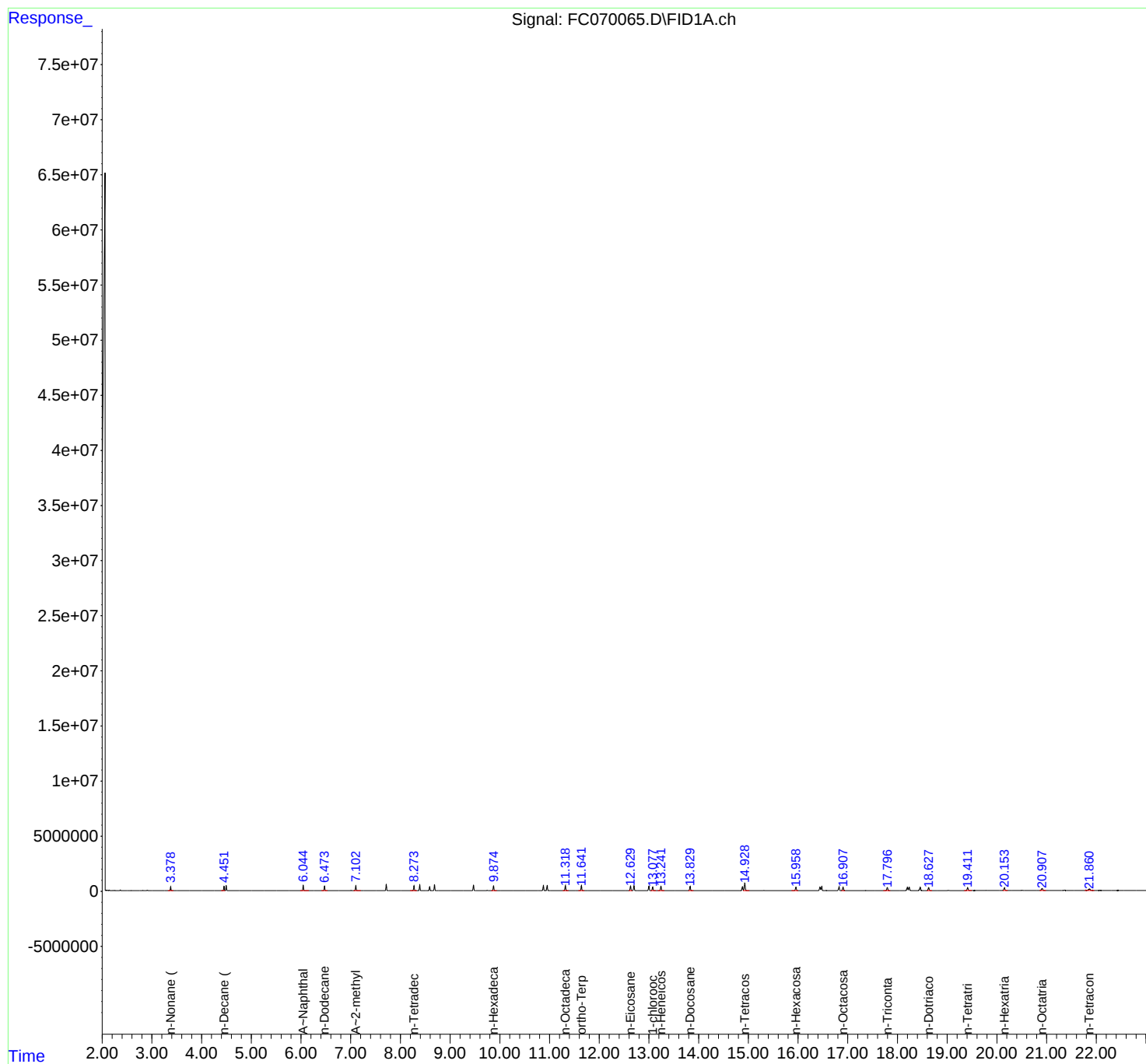
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070065.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 16:39
Operator : YP/AJ
Sample : Q3469-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
TP-13MS

Integration File: autoint1.e
Quant Time: Oct 29 07:48:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
 Data File : FC070065.D
 Signal(s) : FID1A.ch
 Acq On : 28 Oct 2025 16:39
 Sample : Q3469-01MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.237	3.204	3.251	BV	276	2064	0.02%	0.001%
2	3.266	3.251	3.328	VV	578	9837	0.11%	0.005%
3	3.334	3.328	3.354	PV	35	502	0.01%	0.000%
4	3.378	3.354	3.489	PV	372733	3145662	34.03%	1.757%
5	3.503	3.489	3.516	VV	325	4220	0.05%	0.002%
6	3.529	3.516	3.551	VV	338	4233	0.05%	0.002%
7	3.559	3.551	3.609	VV	179	3512	0.04%	0.002%
8	3.621	3.609	3.630	PV	130	889	0.01%	0.000%
9	3.656	3.630	3.668	VV	306	4337	0.05%	0.002%
10	3.689	3.668	3.720	VV	550	10933	0.12%	0.006%
11	3.734	3.720	3.751	VV	625	6509	0.07%	0.004%
12	3.768	3.751	3.840	VV	5975	56871	0.62%	0.032%
13	3.866	3.840	3.909	VV	4695	45797	0.50%	0.026%
14	3.924	3.909	3.934	VV	258	2441	0.03%	0.001%
15	3.952	3.934	4.014	VV	366	8248	0.09%	0.005%
16	4.053	4.014	4.095	PV	452	13058	0.14%	0.007%
17	4.108	4.095	4.119	VV	213	1974	0.02%	0.001%
18	4.144	4.119	4.158	VV	275	3962	0.04%	0.002%
19	4.191	4.158	4.207	VV	266	5887	0.06%	0.003%
20	4.217	4.207	4.277	VV	333	8452	0.09%	0.005%
21	4.290	4.277	4.328	VV	210	4096	0.04%	0.002%
22	4.345	4.328	4.371	VV	127	2180	0.02%	0.001%
23	4.375	4.371	4.391	VV	198	1385	0.01%	0.001%
24	4.405	4.391	4.418	VV	118	1658	0.02%	0.001%
25	4.451	4.418	4.473	VV	411654	3591070	38.85%	2.005%
26	4.495	4.473	4.540	VV	464790	4119761	44.57%	2.301%
27	4.557	4.540	4.581	VV	4613	53827	0.58%	0.030%
28	4.603	4.581	4.693	VV	7177	87039	0.94%	0.049%
29	4.704	4.693	4.788	VV	312	10783	0.12%	0.006%
30	4.803	4.788	4.819	VV	157	2480	0.03%	0.001%
31	4.828	4.819	4.851	VV	144	1905	0.02%	0.001%
32	4.865	4.851	4.877	VV	118	1266	0.01%	0.001%
33	4.887	4.877	4.915	VV	147	2153	0.02%	0.001%
34	4.924	4.915	4.953	VV	126	1459	0.02%	0.001%
35	4.974	4.953	5.000	VV	101	2045	0.02%	0.001%
36	5.040	5.000	5.068	VV	223	4675	0.05%	0.003%

					rterres			
37	5.082	5.068	5.098	VV	181	2456	0.03%	0.001%
38	5.107	5.098	5.158	VV	160	4545	0.05%	0.003%
39	5.208	5.158	5.245	VV	240	5833	0.06%	0.003%
40	5.309	5.245	5.368	VV	357	11033	0.12%	0.006%
41	5.387	5.368	5.409	VV	167	2309	0.02%	0.001%
42	5.452	5.409	5.460	PV	163	2998	0.03%	0.002%
43	5.488	5.460	5.510	VV	1330	15697	0.17%	0.009%
44	5.528	5.510	5.587	VV	532	13512	0.15%	0.008%
45	5.599	5.587	5.636	VV	259	6138	0.07%	0.003%
46	5.649	5.636	5.696	VV	343	5596	0.06%	0.003%
47	5.725	5.696	5.773	VV	206	6894	0.07%	0.004%
48	5.785	5.773	5.814	VV	228	3677	0.04%	0.002%
49	5.835	5.814	5.891	VV	332	7869	0.09%	0.004%
50	5.900	5.891	5.958	VV	181	4592	0.05%	0.003%
51	5.965	5.958	5.977	VV	162	1686	0.02%	0.001%
52	5.991	5.977	5.999	VV	177	1762	0.02%	0.001%
53	6.045	5.999	6.173	VV	484821	4726987	51.13%	2.640%
54	6.189	6.173	6.258	VV	789	21087	0.23%	0.012%
55	6.321	6.258	6.365	VV	457	18975	0.21%	0.011%
56	6.380	6.365	6.418	VV	314	7673	0.08%	0.004%
57	6.431	6.418	6.440	VV	264	2758	0.03%	0.002%
58	6.473	6.440	6.534	VV	425140	4143993	44.83%	2.314%
59	6.550	6.534	6.601	VV	878	20087	0.22%	0.011%
60	6.621	6.601	6.656	VV	479	10395	0.11%	0.006%
61	6.677	6.656	6.708	VV	447	8820	0.10%	0.005%
62	6.724	6.708	6.781	VV	526	12287	0.13%	0.007%
63	6.795	6.781	6.848	VV	250	6071	0.07%	0.003%
64	6.896	6.848	6.928	VV	339	8732	0.09%	0.005%
65	6.957	6.928	6.986	VV	3559	52767	0.57%	0.029%
66	7.009	6.986	7.059	VV	12072	133844	1.45%	0.075%
67	7.103	7.059	7.219	VV	448908	4535948	49.07%	2.533%
68	7.239	7.219	7.273	VV	1562	30596	0.33%	0.017%
69	7.295	7.273	7.354	VV	2387	55453	0.60%	0.031%
70	7.370	7.354	7.383	VV	1199	14909	0.16%	0.008%
71	7.397	7.383	7.424	VV	1357	17972	0.19%	0.010%
72	7.460	7.424	7.480	VV	705	14404	0.16%	0.008%
73	7.491	7.480	7.514	VV	491	6474	0.07%	0.004%
74	7.524	7.514	7.547	VV	249	4050	0.04%	0.002%
75	7.575	7.547	7.592	VV	748	10267	0.11%	0.006%
76	7.621	7.592	7.671	VV	386	11604	0.13%	0.006%
77	7.815	7.793	7.844	VV	1028	26978	0.29%	0.015%
78	7.852	7.844	7.912	VV	873	21557	0.23%	0.012%
79	7.925	7.912	7.948	VV	383	6560	0.07%	0.004%
80	7.965	7.948	7.996	VV	520	10995	0.12%	0.006%
81	8.021	7.996	8.058	VV	630	12027	0.13%	0.007%
82	8.090	8.058	8.108	VV	281	6410	0.07%	0.004%
83	8.119	8.108	8.128	VV	240	2494	0.03%	0.001%
84	8.134	8.128	8.148	VV	311	3074	0.03%	0.002%
85	8.172	8.148	8.215	VV	404	10303	0.11%	0.006%
86	8.273	8.215	8.351	VV	456961	4646579	50.26%	2.595%
87	8.389	8.351	8.534	VV	529670	5340270	57.77%	2.982%
88	8.546	8.534	8.553	VV	290	2997	0.03%	0.002%
89	8.686	8.653	8.848	VV	524216	5389719	58.30%	3.010%

					rterres			
90	8.860	8.848	8.895	VV	399	9349	0.10%	0.005%
91	8.905	8.895	8.940	VV	379	7690	0.08%	0.004%
92	8.964	8.940	9.058	VV	745	29091	0.31%	0.016%
93	9.092	9.058	9.121	VV	1073	16675	0.18%	0.009%
94	9.149	9.121	9.180	VV	333	8706	0.09%	0.005%
95	9.195	9.180	9.234	VV	307	5203	0.06%	0.003%
96	9.244	9.234	9.253	VV	156	1394	0.02%	0.001%
97	9.282	9.253	9.303	VV	180	4023	0.04%	0.002%
98	9.328	9.303	9.353	VV	219	4030	0.04%	0.002%
99	9.368	9.353	9.410	VV	176	3044	0.03%	0.002%
100	9.471	9.410	9.638	PV	506291	5534880	59.87%	3.091%
101	9.683	9.638	9.720	VV	7291	103716	1.12%	0.058%
102	9.746	9.720	9.836	VV	28408	366822	3.97%	0.205%
103	9.874	9.836	9.908	VV	444192	4968558	53.75%	2.775%
104	9.918	9.908	9.958	VV	807	17742	0.19%	0.010%
105	9.978	9.958	10.074	VV	485	16794	0.18%	0.009%
106	10.098	10.074	10.138	VV	1062	14728	0.16%	0.008%
107	10.156	10.138	10.194	VV	364	6303	0.07%	0.004%
108	10.219	10.194	10.247	VV	3343	40257	0.44%	0.022%
109	10.259	10.247	10.284	VV	304	4664	0.05%	0.003%
110	10.318	10.284	10.335	VV	357	6315	0.07%	0.004%
111	10.347	10.335	10.377	VV	234	3628	0.04%	0.002%
112	10.397	10.377	10.437	PV	217	4956	0.05%	0.003%
113	10.445	10.437	10.453	VV	119	864	0.01%	0.000%
114	10.498	10.453	10.507	VV	205	4040	0.04%	0.002%
115	10.530	10.507	10.554	VV	311	5678	0.06%	0.003%
116	10.567	10.554	10.578	VV	247	2642	0.03%	0.001%
117	10.611	10.578	10.651	VV	535	10618	0.11%	0.006%
118	10.679	10.651	10.751	VV	3923	56670	0.61%	0.032%
119	10.762	10.751	10.798	VV	160	2498	0.03%	0.001%
120	10.877	10.798	10.919	VV	480421	5307206	57.41%	2.964%
121	10.953	10.919	11.098	VV	485837	5325705	57.61%	2.974%
122	11.119	11.098	11.150	VV	2869	40073	0.43%	0.022%
123	11.175	11.150	11.222	VV	2515	45257	0.49%	0.025%
124	11.246	11.222	11.274	VV	739	13901	0.15%	0.008%
125	11.319	11.274	11.379	VV	437971	5008876	54.18%	2.797%
126	11.404	11.379	11.444	VV	595	13342	0.14%	0.007%
127	11.478	11.444	11.496	VV	422	7223	0.08%	0.004%
128	11.510	11.496	11.589	VV	246	7819	0.08%	0.004%
129	11.641	11.589	11.701	VV	453455	4978406	53.85%	2.780%
130	11.735	11.701	11.756	VV	744	20102	0.22%	0.011%
131	11.779	11.756	11.816	VV	948	25004	0.27%	0.014%
132	11.830	11.816	11.845	VV	542	7372	0.08%	0.004%
133	11.859	11.845	11.893	VV	514	8232	0.09%	0.005%
134	11.928	11.893	11.938	VV	229	3432	0.04%	0.002%
135	11.984	11.938	12.024	VV	395	11686	0.13%	0.007%
136	12.045	12.024	12.068	VV	466	7619	0.08%	0.004%
137	12.078	12.068	12.104	VV	508	6430	0.07%	0.004%
138	12.113	12.104	12.188	VV	202	3849	0.04%	0.002%
139	12.195	12.188	12.220	VV	202	2172	0.02%	0.001%
140	12.238	12.220	12.301	VV	4174	67181	0.73%	0.038%
141	12.344	12.301	12.406	VV	1292	44383	0.48%	0.025%

					rteres			
142	12.451	12.406	12.518	VV	1158	27610	0.30%	0.015%
143	12.537	12.518	12.547	VV	384	4380	0.05%	0.002%
144	12.573	12.547	12.594	VV	625	12077	0.13%	0.007%
145	12.629	12.594	12.663	VV	429757	4944058	53.48%	2.761%
146	12.700	12.663	12.818	VV	448408	5110263	55.28%	2.854%
147	12.835	12.818	12.857	VV	839	11970	0.13%	0.007%
148	12.882	12.857	12.921	VV	5258	63811	0.69%	0.036%
149	12.942	12.921	12.959	VV	357	5259	0.06%	0.003%
150	12.999	12.959	13.035	VV	432109	5000442	54.09%	2.792%
151	13.076	13.035	13.156	VV	335379	4117566	44.54%	2.299%
152	13.181	13.156	13.208	VV	534	12147	0.13%	0.007%
153	13.242	13.208	13.318	VV	407870	4838880	52.34%	2.702%
154	13.331	13.318	13.351	VV	287	4110	0.04%	0.002%
155	13.459	13.384	13.541	PV	547	18640	0.20%	0.010%
156	13.588	13.541	13.607	VV	884	18169	0.20%	0.010%
157	13.616	13.607	13.641	VV	607	8405	0.09%	0.005%
158	13.667	13.641	13.685	VV	969	16449	0.18%	0.009%
159	13.694	13.685	13.716	VV	636	7999	0.09%	0.004%
160	13.738	13.716	13.754	VV	571	9142	0.10%	0.005%
161	13.777	13.754	13.791	VV	953	13049	0.14%	0.007%
162	13.829	13.791	13.897	VV	386565	4740652	51.28%	2.647%
163	13.907	13.897	13.930	VV	490	6816	0.07%	0.004%
164	13.954	13.930	13.981	VV	1066	15612	0.17%	0.009%
165	14.009	13.981	14.124	VV	683	19222	0.21%	0.011%
166	14.135	14.124	14.144	VV	116	964	0.01%	0.001%
167	14.221	14.144	14.241	VV	665	16330	0.18%	0.009%
168	14.265	14.241	14.312	VV	988	20665	0.22%	0.012%
169	14.330	14.312	14.364	VV	455	9506	0.10%	0.005%
170	14.389	14.364	14.441	VV	948	20502	0.22%	0.011%
171	14.456	14.441	14.474	VV	338	4992	0.05%	0.003%
172	14.504	14.474	14.542	VV	524	13918	0.15%	0.008%
173	14.565	14.542	14.602	VV	940	15975	0.17%	0.009%
174	14.623	14.602	14.662	VV	506	12353	0.13%	0.007%
175	14.678	14.662	14.718	VV	209	5098	0.06%	0.003%
176	14.784	14.718	14.807	VV	481	14749	0.16%	0.008%
177	14.832	14.807	14.841	PV	606	7168	0.08%	0.004%
178	14.882	14.841	14.901	VV	369472	4604804	49.81%	2.571%
179	14.928	14.901	15.020	VV	675485	9244384	100.00%	5.162%
180	15.039	15.020	15.090	VV	1090	28508	0.31%	0.016%
181	15.107	15.090	15.168	VV	548	15782	0.17%	0.009%
182	15.228	15.168	15.271	VV	722	18949	0.20%	0.011%
183	15.312	15.271	15.394	VV	11284	210296	2.27%	0.117%
184	15.408	15.394	15.421	VV	351	4834	0.05%	0.003%
185	15.451	15.421	15.494	VV	2003	33761	0.37%	0.019%
186	15.528	15.494	15.538	VV	640	10718	0.12%	0.006%
187	15.553	15.538	15.578	VV	897	13763	0.15%	0.008%
188	15.590	15.578	15.619	VV	460	6646	0.07%	0.004%
189	15.640	15.619	15.668	VV	435	6217	0.07%	0.003%
190	15.715	15.668	15.774	VV	520	17059	0.18%	0.010%
191	15.785	15.774	15.807	VV	193	3513	0.04%	0.002%
192	15.829	15.807	15.860	VV	481	7842	0.08%	0.004%
193	15.957	15.860	16.002	VV	332738	4318743	46.72%	2.412%
194	16.017	16.002	16.071	VV	179	4090	0.04%	0.002%

					rteres			
195	16.077	16.071	16.121	VV	117	1730	0.02%	0.001%
196	16.156	16.121	16.207	PV	820	13643	0.15%	0.008%
197	16.264	16.207	16.278	PV	237	6763	0.07%	0.004%
198	16.292	16.278	16.301	VV	193	2245	0.02%	0.001%
199	16.332	16.301	16.376	VV	1035	23620	0.26%	0.013%
200	16.442	16.376	16.458	VV	313123	4491408	48.59%	2.508%
201	16.477	16.458	16.542	VV	383948	4498027	48.66%	2.512%
202	16.570	16.542	16.663	VV	10469	165182	1.79%	0.092%
203	16.692	16.663	16.716	VV	2178	32195	0.35%	0.018%
204	16.760	16.716	16.782	VV	2548	50716	0.55%	0.028%
205	16.826	16.782	16.866	VV	342057	4330526	46.84%	2.418%
206	16.906	16.866	17.010	VV	329764	4230451	45.76%	2.362%
207	17.061	17.010	17.112	VV	386	15034	0.16%	0.008%
208	17.123	17.112	17.148	VV	180	2775	0.03%	0.002%
209	17.193	17.148	17.257	PV	519	19557	0.21%	0.011%
210	17.278	17.257	17.300	VV	484	9171	0.10%	0.005%
211	17.354	17.300	17.391	VV	7565	114564	1.24%	0.064%
212	17.440	17.391	17.457	PV	440	7592	0.08%	0.004%
213	17.481	17.457	17.498	VV	373	5611	0.06%	0.003%
214	17.520	17.498	17.568	VV	323	6107	0.07%	0.003%
215	17.584	17.568	17.619	PV	147	2167	0.02%	0.001%
216	17.685	17.619	17.718	PV	791	15094	0.16%	0.008%
217	17.796	17.718	17.858	PV	279556	3982573	43.08%	2.224%
218	17.883	17.858	17.942	VV	811	14699	0.16%	0.008%
219	17.989	17.942	18.018	PV	366	8209	0.09%	0.005%
220	18.062	18.018	18.081	VV	272	5094	0.06%	0.003%
221	18.200	18.081	18.216	PV	298272	4307847	46.60%	2.406%
222	18.236	18.216	18.344	VV	311483	4233618	45.80%	2.364%
223	18.356	18.344	18.409	VV	1232	31030	0.34%	0.017%
224	18.458	18.409	18.554	VV	295772	4238701	45.85%	2.367%
225	18.627	18.554	18.693	VV	283210	3887166	42.05%	2.171%
226	18.726	18.693	18.758	VV	729	16409	0.18%	0.009%
227	18.785	18.758	18.815	VV	278	5991	0.06%	0.003%
228	18.885	18.815	18.907	PV	667	10872	0.12%	0.006%
229	18.937	18.907	18.958	VV	517	10786	0.12%	0.006%
230	18.984	18.958	18.995	VV	2511	38172	0.41%	0.021%
231	19.022	18.995	19.078	VV	11371	188298	2.04%	0.105%
232	19.119	19.078	19.175	VV	609	24049	0.26%	0.013%
233	19.222	19.175	19.241	VV	757	18098	0.20%	0.010%
234	19.270	19.241	19.297	VV	1150	23047	0.25%	0.013%
235	19.319	19.297	19.348	VV	988	18767	0.20%	0.010%
236	19.412	19.348	19.496	VV	260431	3838758	41.53%	2.144%
237	19.516	19.496	19.546	VV	1496	38896	0.42%	0.022%
238	19.619	19.546	19.628	VV	1633	65982	0.71%	0.037%
239	19.648	19.628	19.666	VV	1922	39607	0.43%	0.022%
240	19.694	19.666	19.729	VV	2580	73779	0.80%	0.041%
241	19.783	19.729	19.814	VV	9286	206500	2.23%	0.115%
242	19.843	19.814	19.865	VV	2262	63904	0.69%	0.036%
243	20.012	19.865	20.041	VV	3995	300638	3.25%	0.168%
244	20.060	20.041	20.082	VV	3863	89582	0.97%	0.050%
245	20.152	20.082	20.241	VV	240219	3817071	41.29%	2.132%
246	20.292	20.241	20.301	VV	6274	178082	1.93%	0.099%

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247	20.312	20.301	20.351	VV	6296	161773	1.75%	0.090%
248	20.385	20.351	20.395	VV	5173	132715	1.44%	0.074%
249	20.420	20.395	20.448	VV	5375	160499	1.74%	0.090%
250	20.508	20.448	20.568	VV	9025	423527	4.58%	0.237%
251	20.592	20.568	20.611	VV	4925	126340	1.37%	0.071%
252	20.685	20.611	20.736	VV	5004	362627	3.92%	0.203%
253	20.759	20.736	20.787	VV	4745	139867	1.51%	0.078%
254	20.808	20.787	20.850	VV	4552	168597	1.82%	0.094%
255	20.909	20.850	20.994	VV	181093	3723848	40.28%	2.079%
256	21.012	20.994	21.044	VV	4117	122095	1.32%	0.068%
257	21.110	21.044	21.132	VV	3999	208580	2.26%	0.116%
258	21.157	21.132	21.191	VV	3855	132316	1.43%	0.074%
259	21.246	21.191	21.310	VV	3723	255009	2.76%	0.142%
260	21.353	21.310	21.419	VV	4858	248071	2.68%	0.139%
261	21.429	21.419	21.434	VV	3159	27925	0.30%	0.016%
262	21.443	21.434	21.454	VV	3131	36778	0.40%	0.021%
263	21.469	21.454	21.481	VV	3137	50100	0.54%	0.028%
264	21.507	21.481	21.518	VV	2973	65382	0.71%	0.037%
265	21.557	21.518	21.604	VV	2864	142643	1.54%	0.080%
266	21.615	21.604	21.637	VV	2629	51420	0.56%	0.029%
267	21.673	21.637	21.697	VV	2622	89116	0.96%	0.050%
268	21.720	21.697	21.764	VV	2374	93486	1.01%	0.052%
269	21.861	21.764	21.979	VV	139718	3521330	38.09%	1.966%
270	21.990	21.979	22.024	VV	1487	37197	0.40%	0.021%
271	22.071	22.024	22.128	VV	1714	86201	0.93%	0.048%
272	22.138	22.128	22.188	VV	992	30616	0.33%	0.017%
273	22.204	22.188	22.267	VV	737	26340	0.28%	0.015%
274	22.278	22.267	22.291	VV	490	5664	0.06%	0.003%
275	22.296	22.291	22.348	VV	397	7027	0.08%	0.004%
276	22.360	22.348	22.374	VV	159	1287	0.01%	0.001%
Sum of corrected areas:					179074367			

Aliphatic EPH 100725.M Wed Oct 29 08:14:17 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
 Data File : FC070066.D
 Signal(s) : FID1A.ch
 Acq On : 28 Oct 2025 17:20
 Operator : YP/AJ
 Sample : Q3469-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 TP-13MSD

Integration File: autoint1.e
 Quant Time: Oct 29 07:48:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.641	5084075	28.952 ug/ml
Spiked Amount 50.000		Recovery =	57.90%
12) S 1-chlorooctadecane (S...	13.075	4213167	31.038 ug/ml
Spiked Amount 50.000		Recovery =	62.08%
Target Compounds			
1) T n-Nonane (C9)	3.378	3242709	23.615 ug/ml
2) T n-Decane (C10)	4.451	3732234	25.961 ug/ml
3) T A~Naphthalene (C11.7)	6.045	4824004	29.849 ug/ml
4) T n-Dodecane (C12)	6.473	4287539	27.973 ug/ml
5) T A~2-methylnaphthalene...	7.104	4620728	28.961 ug/ml
6) T n-Tetradecane (C14)	8.273	4788295	30.107 ug/ml
7) T n-Hexadecane (C16)	9.874	5107307	30.307 ug/ml
8) T n-Octadecane (C18)	11.319	5125206	30.125 ug/ml
10) T n-Eicosane (C20)	12.630	5069086	31.596 ug/ml
11) T n-Heneicosane (C21)	13.242	4936650	31.793 ug/ml
13) T n-Docosane (C22)	13.829	4831521	31.395 ug/ml
14) T n-Tetracosane (C24)	14.928	9358370	61.718 ug/ml
15) T n-Hexacosane (C26)	15.957	4404523	30.431 ug/ml
16) T n-Octacosane (C28)	16.906	4218447	30.501 ug/ml
17) T n-Tricontane (C30)	17.796	4071402	29.820 ug/ml
18) T n-Dotriacontane (C32)	18.628	3919298	30.398 ug/ml
19) T n-Tetratriacontane (C34)	19.413	3880168	34.007 ug/ml
20) T n-Hexatriacontane (C36)	20.153	3468003	35.859 ug/ml
21) T n-Octatriacontane (C38)	20.910	3413736	39.167 ug/ml
22) T n-Tetracontane (C40)	21.861	3323968	40.456 ug/ml

(f)=RT Delta > 1/2 Window

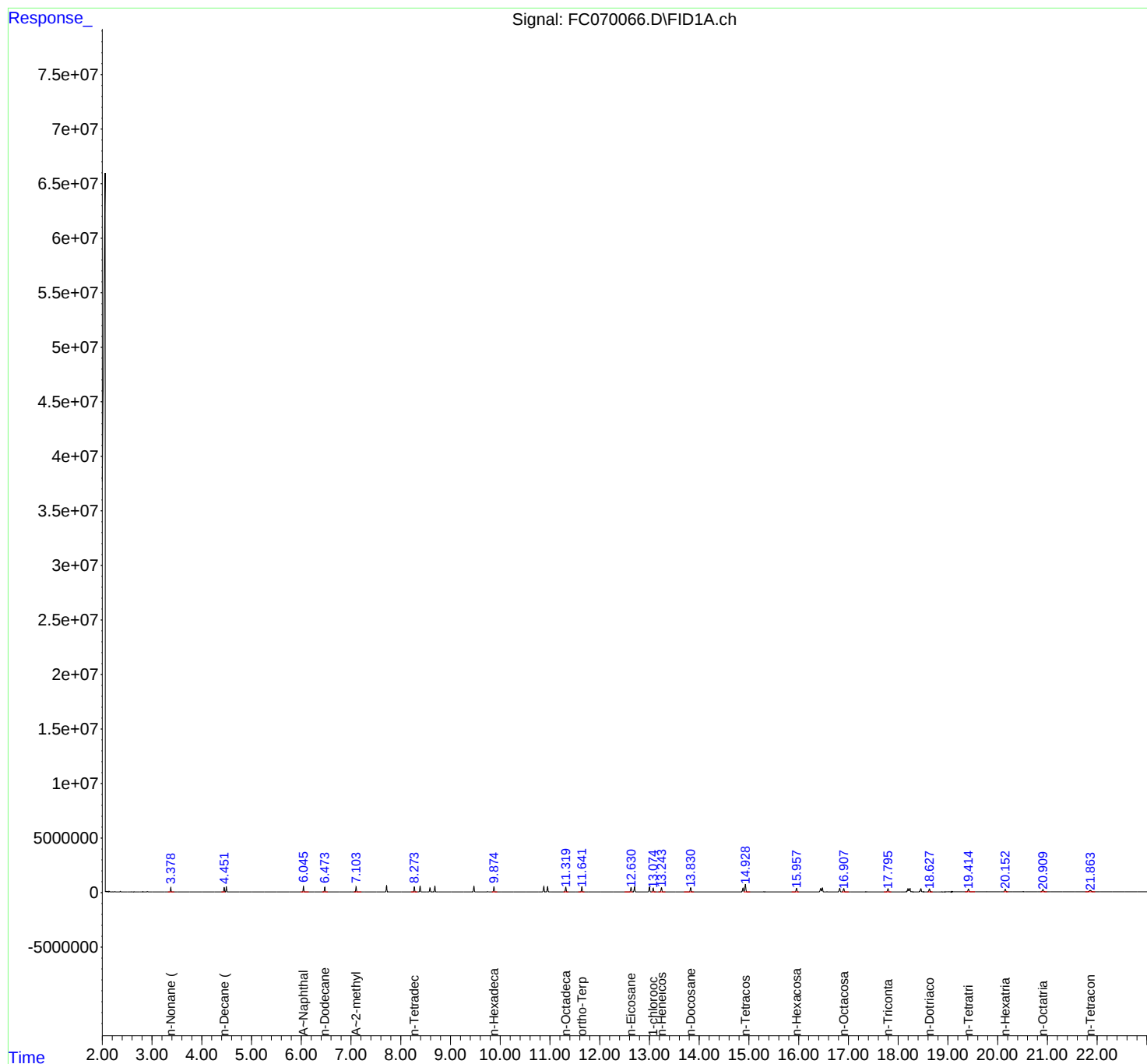
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
Data File : FC070066.D
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 17:20
Operator : YP/AJ
Sample : Q3469-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
TP-13MSD

Integration File: autoint1.e
Quant Time: Oct 29 07:48:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102825AL\
 Data File : FC070066.D
 Signal(s) : FID1A.ch
 Acq On : 28 Oct 2025 17:20
 Sample : Q3469-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

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

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.265	3.204	3.321	BV	751	15777	0.17%	0.009%
2	3.333	3.321	3.347	VV	134	908	0.01%	0.000%
3	3.378	3.347	3.473	PV	387635	3261944	34.72%	1.780%
4	3.504	3.473	3.519	VV	378	8403	0.09%	0.005%
5	3.530	3.519	3.545	VV	459	4764	0.05%	0.003%
6	3.558	3.545	3.569	VV	226	2790	0.03%	0.002%
7	3.581	3.569	3.608	VV	269	3647	0.04%	0.002%
8	3.620	3.608	3.633	VV	227	2443	0.03%	0.001%
9	3.657	3.633	3.667	VV	261	4620	0.05%	0.003%
10	3.688	3.667	3.720	VV	693	13319	0.14%	0.007%
11	3.734	3.720	3.748	VV	775	8508	0.09%	0.005%
12	3.768	3.748	3.837	VV	7777	72853	0.78%	0.040%
13	3.865	3.837	3.911	VV	6033	59381	0.63%	0.032%
14	3.926	3.911	3.935	VV	337	3612	0.04%	0.002%
15	3.951	3.935	4.004	VV	500	11929	0.13%	0.007%
16	4.052	4.004	4.071	VV	546	11420	0.12%	0.006%
17	4.076	4.071	4.121	VV	418	6740	0.07%	0.004%
18	4.144	4.121	4.162	VV	377	5428	0.06%	0.003%
19	4.229	4.162	4.248	VV	404	13743	0.15%	0.008%
20	4.258	4.248	4.268	VV	291	3103	0.03%	0.002%
21	4.290	4.268	4.333	VV	285	6879	0.07%	0.004%
22	4.368	4.333	4.388	PV	219	5651	0.06%	0.003%
23	4.393	4.388	4.420	VV	206	3282	0.03%	0.002%
24	4.451	4.420	4.473	VV	416550	3739138	39.80%	2.041%
25	4.495	4.473	4.540	VV	479417	4265137	45.40%	2.328%
26	4.556	4.540	4.580	VV	4816	55316	0.59%	0.030%
27	4.603	4.580	4.658	VV	7336	84732	0.90%	0.046%
28	4.668	4.658	4.724	VV	429	12052	0.13%	0.007%
29	4.734	4.724	4.775	VV	294	6631	0.07%	0.004%
30	4.784	4.775	4.860	VV	257	7946	0.08%	0.004%
31	4.870	4.860	4.894	VV	121	2233	0.02%	0.001%
32	4.906	4.894	4.964	VV	156	4074	0.04%	0.002%
33	4.971	4.964	5.034	VV	123	3896	0.04%	0.002%
34	5.042	5.034	5.059	VV	163	2009	0.02%	0.001%
35	5.107	5.059	5.119	PV	191	4310	0.05%	0.002%
36	5.129	5.119	5.174	VV	177	3245	0.03%	0.002%

					rteres			
37	5.182	5.174	5.188	VV	124	741	0.01%	0.000%
38	5.196	5.188	5.243	VV	138	2486	0.03%	0.001%
39	5.259	5.243	5.268	VV	112	1124	0.01%	0.001%
40	5.278	5.268	5.288	VV	100	969	0.01%	0.001%
41	5.312	5.288	5.361	VV	327	6660	0.07%	0.004%
42	5.391	5.361	5.403	VV	109	2027	0.02%	0.001%
43	5.488	5.403	5.511	VV	1433	17259	0.18%	0.009%
44	5.527	5.511	5.564	VV	549	10112	0.11%	0.006%
45	5.603	5.564	5.634	VV	227	6765	0.07%	0.004%
46	5.647	5.634	5.706	VV	172	3992	0.04%	0.002%
47	5.741	5.706	5.774	VV	159	4057	0.04%	0.002%
48	5.788	5.774	5.813	VV	252	3002	0.03%	0.002%
49	5.835	5.813	5.891	VV	258	6125	0.07%	0.003%
50	5.899	5.891	5.911	VV	171	1246	0.01%	0.001%
51	5.923	5.911	5.971	VV	185	3772	0.04%	0.002%
52	5.991	5.971	6.014	VV	168	2587	0.03%	0.001%
53	6.045	6.014	6.171	VV	515090	4863739	51.77%	2.654%
54	6.189	6.171	6.254	VV	719	21974	0.23%	0.012%
55	6.264	6.254	6.305	VV	328	7747	0.08%	0.004%
56	6.321	6.305	6.388	VV	500	14945	0.16%	0.008%
57	6.411	6.388	6.438	VV	323	7526	0.08%	0.004%
58	6.473	6.438	6.533	VV	451235	4308019	45.85%	2.351%
59	6.549	6.533	6.604	VV	897	20549	0.22%	0.011%
60	6.621	6.604	6.664	VV	426	10513	0.11%	0.006%
61	6.677	6.664	6.703	VV	535	7935	0.08%	0.004%
62	6.723	6.703	6.744	VV	549	8536	0.09%	0.005%
63	6.762	6.744	6.785	VV	322	5889	0.06%	0.003%
64	6.793	6.785	6.849	VV	234	6400	0.07%	0.003%
65	6.893	6.849	6.934	VV	311	11098	0.12%	0.006%
66	6.957	6.934	6.986	VV	3750	55385	0.59%	0.030%
67	7.009	6.986	7.063	VV	12599	140487	1.50%	0.077%
68	7.104	7.063	7.219	VV	469323	4663174	49.63%	2.545%
69	7.239	7.219	7.273	VV	1673	31760	0.34%	0.017%
70	7.294	7.273	7.347	VV	2539	56173	0.60%	0.031%
71	7.369	7.347	7.382	VV	1215	16605	0.18%	0.009%
72	7.398	7.382	7.426	VV	1402	19147	0.20%	0.010%
73	7.462	7.426	7.480	VV	705	14855	0.16%	0.008%
74	7.490	7.480	7.513	VV	518	7030	0.07%	0.004%
75	7.525	7.513	7.552	VV	272	4998	0.05%	0.003%
76	7.576	7.552	7.601	VV	776	12030	0.13%	0.007%
77	7.614	7.601	7.664	VV	357	10545	0.11%	0.006%
78	7.817	7.791	7.844	VV	1016	29478	0.31%	0.016%
79	7.851	7.844	7.924	VV	922	25766	0.27%	0.014%
80	7.965	7.946	7.992	VV	569	11521	0.12%	0.006%
81	8.021	7.992	8.102	VV	623	21476	0.23%	0.012%
82	8.131	8.102	8.148	VV	278	6148	0.07%	0.003%
83	8.172	8.148	8.201	VV	393	9541	0.10%	0.005%
84	8.273	8.201	8.336	VV	474827	4811149	51.21%	2.626%
85	8.348	8.336	8.354	VV	473	4363	0.05%	0.002%
86	8.389	8.354	8.553	VV	531467	5467224	58.19%	2.984%
87	8.687	8.653	8.863	VV	548368	5513313	58.68%	3.009%
88	8.904	8.863	8.936	VV	404	13719	0.15%	0.007%
89	8.963	8.936	8.984	VV	750	14505	0.15%	0.008%

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90	8.992	8.984	9.067	VV	568	16088	0.17%	0.009%
91	9.093	9.067	9.126	VV	1108	17898	0.19%	0.010%
92	9.150	9.126	9.185	VV	382	9827	0.10%	0.005%
93	9.195	9.185	9.261	VV	341	8857	0.09%	0.005%
94	9.280	9.261	9.317	VV	257	5301	0.06%	0.003%
95	9.338	9.317	9.358	VV	275	3683	0.04%	0.002%
96	9.375	9.358	9.418	PV	132	3001	0.03%	0.002%
97	9.472	9.418	9.584	VV	527956	5623264	59.85%	3.069%
98	9.588	9.584	9.611	VV	491	7105	0.08%	0.004%
99	9.620	9.611	9.640	VV	449	7272	0.08%	0.004%
100	9.683	9.640	9.721	VV	7412	106204	1.13%	0.058%
101	9.747	9.721	9.838	VV	29502	378711	4.03%	0.207%
102	9.874	9.838	9.909	VV	472259	5114102	54.43%	2.791%
103	9.918	9.909	9.958	VV	855	16518	0.18%	0.009%
104	9.974	9.958	10.078	VV	521	18479	0.20%	0.010%
105	10.098	10.078	10.132	VV	1234	15013	0.16%	0.008%
106	10.159	10.132	10.191	VV	440	6970	0.07%	0.004%
107	10.219	10.191	10.245	VV	3544	41180	0.44%	0.022%
108	10.263	10.245	10.277	VV	351	5002	0.05%	0.003%
109	10.286	10.277	10.299	VV	217	2360	0.03%	0.001%
110	10.318	10.299	10.342	VV	348	5465	0.06%	0.003%
111	10.358	10.342	10.380	VV	194	3062	0.03%	0.002%
112	10.395	10.380	10.454	PV	229	5183	0.06%	0.003%
113	10.469	10.454	10.481	VV	432	3043	0.03%	0.002%
114	10.487	10.481	10.510	VV	233	3881	0.04%	0.002%
115	10.532	10.510	10.557	VV	352	7046	0.07%	0.004%
116	10.569	10.557	10.593	VV	299	5028	0.05%	0.003%
117	10.611	10.593	10.645	VV	444	7784	0.08%	0.004%
118	10.679	10.645	10.761	VV	3946	59433	0.63%	0.032%
119	10.770	10.761	10.782	VV	138	1146	0.01%	0.001%
120	10.792	10.782	10.799	VV	93	714	0.01%	0.000%
121	10.877	10.799	10.918	VV	490998	5387166	57.34%	2.940%
122	10.953	10.918	11.092	VV	490767	5403180	57.51%	2.949%
123	11.119	11.092	11.154	VV	3024	42237	0.45%	0.023%
124	11.176	11.154	11.228	VV	2554	45868	0.49%	0.025%
125	11.246	11.228	11.271	VV	728	12773	0.14%	0.007%
126	11.319	11.271	11.381	VV	448512	5142620	54.74%	2.807%
127	11.402	11.381	11.458	VV	640	16151	0.17%	0.009%
128	11.480	11.458	11.495	VV	474	6290	0.07%	0.003%
129	11.512	11.495	11.544	VV	298	5325	0.06%	0.003%
130	11.574	11.544	11.585	VV	180	2872	0.03%	0.002%
131	11.641	11.585	11.698	VV	468702	5109563	54.38%	2.789%
132	11.712	11.698	11.725	VV	809	11131	0.12%	0.006%
133	11.736	11.725	11.756	VV	813	11438	0.12%	0.006%
134	11.797	11.756	11.818	VV	1141	30216	0.32%	0.016%
135	11.829	11.818	11.844	VV	624	7839	0.08%	0.004%
136	11.861	11.844	11.896	VV	610	10130	0.11%	0.006%
137	11.919	11.896	11.942	VV	210	4131	0.04%	0.002%
138	11.981	11.942	12.024	VV	506	13900	0.15%	0.008%
139	12.048	12.024	12.064	VV	494	8616	0.09%	0.005%
140	12.079	12.064	12.129	VV	679	9628	0.10%	0.005%
141	12.160	12.129	12.188	PV	228	3920	0.04%	0.002%

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142	12.203	12.188	12.214	VV	176	2082	0.02%	0.001%
143	12.238	12.214	12.300	VV	4092	67361	0.72%	0.037%
144	12.344	12.300	12.408	VV	1330	46195	0.49%	0.025%
145	12.452	12.408	12.505	VV	1223	27982	0.30%	0.015%
146	12.533	12.505	12.546	VV	390	6209	0.07%	0.003%
147	12.574	12.546	12.591	VV	674	13826	0.15%	0.008%
148	12.630	12.591	12.663	VV	416001	5067330	53.93%	2.766%
149	12.700	12.663	12.814	VV	470496	5180055	55.13%	2.827%
150	12.835	12.814	12.858	VV	851	13331	0.14%	0.007%
151	12.882	12.858	12.920	VV	5320	65503	0.70%	0.036%
152	12.940	12.920	12.959	VV	386	6640	0.07%	0.004%
153	13.000	12.959	13.038	VV	447938	5066253	53.92%	2.765%
154	13.075	13.038	13.148	VV	351833	4233763	45.06%	2.311%
155	13.181	13.148	13.204	VV	555	12702	0.14%	0.007%
156	13.242	13.204	13.321	VV	390053	4954140	52.73%	2.704%
157	13.336	13.321	13.375	VV	255	5765	0.06%	0.003%
158	13.419	13.375	13.431	VV	209	5272	0.06%	0.003%
159	13.455	13.431	13.501	VV	539	11588	0.12%	0.006%
160	13.588	13.501	13.606	VV	961	19110	0.20%	0.010%
161	13.618	13.606	13.637	VV	616	7940	0.08%	0.004%
162	13.668	13.637	13.686	VV	1020	17574	0.19%	0.010%
163	13.695	13.686	13.721	VV	580	8636	0.09%	0.005%
164	13.740	13.721	13.758	VV	569	8712	0.09%	0.005%
165	13.777	13.758	13.791	VV	821	11858	0.13%	0.006%
166	13.829	13.791	13.895	VV	390753	4848383	51.60%	2.646%
167	13.907	13.895	13.932	VV	555	8625	0.09%	0.005%
168	13.955	13.932	13.987	VV	1070	16148	0.17%	0.009%
169	14.009	13.987	14.121	VV	658	18552	0.20%	0.010%
170	14.125	14.121	14.141	VV	112	919	0.01%	0.001%
171	14.151	14.141	14.159	VV	107	795	0.01%	0.000%
172	14.223	14.159	14.244	PV	785	15118	0.16%	0.008%
173	14.264	14.244	14.314	VV	971	19356	0.21%	0.011%
174	14.331	14.314	14.361	VV	524	9153	0.10%	0.005%
175	14.391	14.361	14.440	VV	1026	20888	0.22%	0.011%
176	14.455	14.440	14.478	VV	337	5697	0.06%	0.003%
177	14.501	14.478	14.541	VV	555	13565	0.14%	0.007%
178	14.565	14.541	14.601	VV	855	15888	0.17%	0.009%
179	14.624	14.601	14.661	VV	475	12350	0.13%	0.007%
180	14.672	14.661	14.707	VV	199	4741	0.05%	0.003%
181	14.780	14.707	14.806	VV	419	14588	0.16%	0.008%
182	14.833	14.806	14.841	VV	581	7189	0.08%	0.004%
183	14.881	14.841	14.901	VV	360860	4658970	49.59%	2.543%
184	14.928	14.901	15.021	VV	685650	9395479	100.00%	5.128%
185	15.040	15.021	15.088	VV	1021	27050	0.29%	0.015%
186	15.107	15.088	15.165	VV	597	15921	0.17%	0.009%
187	15.230	15.165	15.271	VV	704	18908	0.20%	0.010%
188	15.312	15.271	15.391	VV	11810	215905	2.30%	0.118%
189	15.408	15.391	15.428	VV	331	5835	0.06%	0.003%
190	15.451	15.428	15.491	VV	1874	32585	0.35%	0.018%
191	15.512	15.491	15.536	VV	543	9479	0.10%	0.005%
192	15.553	15.536	15.578	VV	971	14143	0.15%	0.008%
193	15.587	15.578	15.613	VV	478	6729	0.07%	0.004%
194	15.641	15.613	15.667	VV	499	7397	0.08%	0.004%

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195	15.714	15.667	15.764	VV	547	16235	0.17%	0.009%
196	15.782	15.764	15.801	VV	215	3832	0.04%	0.002%
197	15.830	15.801	15.861	VV	519	9220	0.10%	0.005%
198	15.957	15.861	16.034	VV	332940	4414985	46.99%	2.410%
199	16.046	16.034	16.064	VV	190	2593	0.03%	0.001%
200	16.079	16.064	16.106	VV	135	2219	0.02%	0.001%
201	16.156	16.106	16.211	PV	773	14876	0.16%	0.008%
202	16.229	16.211	16.238	PV	222	2334	0.02%	0.001%
203	16.262	16.238	16.280	VV	308	5654	0.06%	0.003%
204	16.332	16.280	16.369	VV	1144	27049	0.29%	0.015%
205	16.442	16.369	16.459	VV	321043	4528270	48.20%	2.471%
206	16.477	16.459	16.544	VV	383618	4555800	48.49%	2.486%
207	16.570	16.544	16.662	VV	10466	169598	1.81%	0.093%
208	16.692	16.662	16.718	VV	2120	33412	0.36%	0.018%
209	16.759	16.718	16.783	VV	2577	49537	0.53%	0.027%
210	16.825	16.783	16.867	VV	335061	4375296	46.57%	2.388%
211	16.906	16.867	17.015	VV	310639	4322323	46.00%	2.359%
212	17.072	17.015	17.105	VV	372	13904	0.15%	0.008%
213	17.114	17.105	17.150	VV	138	3224	0.03%	0.002%
214	17.189	17.150	17.224	VV	540	14034	0.15%	0.008%
215	17.243	17.224	17.253	VV	308	4661	0.05%	0.003%
216	17.279	17.253	17.299	VV	561	11165	0.12%	0.006%
217	17.354	17.299	17.391	VV	8609	130677	1.39%	0.071%
218	17.439	17.391	17.464	VV	373	9349	0.10%	0.005%
219	17.482	17.464	17.498	VV	338	4849	0.05%	0.003%
220	17.522	17.498	17.563	VV	350	5556	0.06%	0.003%
221	17.578	17.563	17.591	PV	170	2001	0.02%	0.001%
222	17.685	17.591	17.710	VV	913	18375	0.20%	0.010%
223	17.796	17.710	17.861	VV	292381	4080233	43.43%	2.227%
224	17.884	17.861	17.934	VV	873	16863	0.18%	0.009%
225	17.995	17.934	18.041	VV	407	13972	0.15%	0.008%
226	18.063	18.041	18.081	VV	315	4769	0.05%	0.003%
227	18.101	18.081	18.113	PV	494	7263	0.08%	0.004%
228	18.200	18.113	18.216	VV	298994	4375345	46.57%	2.388%
229	18.237	18.216	18.379	VV	319380	4387886	46.70%	2.395%
230	18.387	18.379	18.411	VV	764	12731	0.14%	0.007%
231	18.457	18.411	18.553	VV	299417	4274364	45.49%	2.333%
232	18.628	18.553	18.695	VV	275464	3989656	42.46%	2.177%
233	18.728	18.695	18.755	VV	870	18333	0.20%	0.010%
234	18.785	18.755	18.817	VV	338	7949	0.08%	0.004%
235	18.883	18.817	18.907	PV	817	15246	0.16%	0.008%
236	18.938	18.907	18.954	VV	597	12181	0.13%	0.007%
237	18.987	18.954	18.997	VV	2635	41970	0.45%	0.023%
238	19.022	18.997	19.077	VV	13228	220181	2.34%	0.120%
239	19.106	19.077	19.154	VV	637	21554	0.23%	0.012%
240	19.225	19.154	19.243	VV	841	26785	0.29%	0.015%
241	19.272	19.243	19.298	VV	1328	27561	0.29%	0.015%
242	19.318	19.298	19.352	VV	1028	22796	0.24%	0.012%
243	19.413	19.352	19.499	VV	254128	3929797	41.83%	2.145%
244	19.519	19.499	19.546	VV	1651	38964	0.41%	0.021%
245	19.652	19.546	19.665	VV	2058	115822	1.23%	0.063%
246	19.696	19.665	19.725	VV	2700	78856	0.84%	0.043%

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247	19.785	19.725	19.818	VV	11136	243378	2.59%	0.133%
248	19.844	19.818	19.861	VV	2346	56797	0.60%	0.031%
249	20.013	19.861	20.041	VV	4263	318793	3.39%	0.174%
250	20.061	20.041	20.088	VV	4025	103698	1.10%	0.057%
251	20.153	20.088	20.238	VV	241397	3862980	41.12%	2.108%
252	20.314	20.238	20.334	VV	7363	331756	3.53%	0.181%
253	20.378	20.334	20.456	VV	8135	472792	5.03%	0.258%
254	20.466	20.456	20.471	VV	4992	44684	0.48%	0.024%
255	20.510	20.471	20.567	VV	9748	363745	3.87%	0.199%
256	20.588	20.567	20.640	VV	4942	210235	2.24%	0.115%
257	20.691	20.640	20.726	VV	5084	250120	2.66%	0.137%
258	20.756	20.726	20.788	VV	4783	171294	1.82%	0.093%
259	20.811	20.788	20.851	VV	4629	168266	1.79%	0.092%
260	20.910	20.851	21.000	VV	198879	3778083	40.21%	2.062%
261	21.010	21.000	21.034	VV	4105	84118	0.90%	0.046%
262	21.079	21.034	21.103	VV	4042	162647	1.73%	0.089%
263	21.114	21.103	21.157	VV	3923	121477	1.29%	0.066%
264	21.186	21.157	21.205	VV	3692	104746	1.11%	0.057%
265	21.235	21.205	21.300	VV	3750	203275	2.16%	0.111%
266	21.353	21.300	21.423	VV	5069	273410	2.91%	0.149%
267	21.434	21.423	21.447	VV	3099	43773	0.47%	0.024%
268	21.473	21.447	21.524	VV	3073	133504	1.42%	0.073%
269	21.532	21.524	21.544	VV	2770	33996	0.36%	0.019%
270	21.585	21.544	21.636	VV	2722	141771	1.51%	0.077%
271	21.664	21.636	21.721	VV	2484	118891	1.27%	0.065%
272	21.861	21.721	22.001	VV	129902	3619575	38.52%	1.975%
273	22.076	22.001	22.242	VV	1783	154854	1.65%	0.085%
274	22.250	22.242	22.328	VV	524	18561	0.20%	0.010%
275	22.338	22.328	22.349	VV	202	1904	0.02%	0.001%
276	22.354	22.349	22.374	VV	124	972	0.01%	0.001%
Sum of corrected areas:						183230043		

Aliphatic EPH 100725.M Wed Oct 29 08:14:48 2025



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

Manual Integration Report

Sequence:	FC100725AL	Instrument	FID_c
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
10 PPM ALIPHATIC HC	FC069940.D	n-Tetratriacontane (C34)	yogesh	10/7/2025 10:33:24 AM	mohammad	10/8/2025 3:35:18	Peak Integrated by Software

Manual Integration Report

Sequence:

FC102825AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC070069.D	n-Dotriacontane (C32)	yogesh	10/29/2025 8:59:43 AM	Sohil	10/29/2025 4:08:32	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC070069.D	n-Tetratriacontane (C34)	yogesh	10/29/2025 8:59:43 AM	Sohil	10/29/2025 4:08:32	Peak Integrated by Software



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Manual Integration Report

Sequence:

FE101725AL

Instrument

FID_e

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	FE102825AL	Instrument	FID_e
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE056532.D	n-Dotriacontane (C32)	yogesh	10/29/2025 8:33:32 AM	Sohil	10/29/2025 4:07:42	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056532.D	n-Octacosane (C28)	yogesh	10/29/2025 8:33:32 AM	Sohil	10/29/2025 4:07:42	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056532.D	n-Octatriacontane (C38)	yogesh	10/29/2025 8:33:32 AM	Sohil	10/29/2025 4:07:42	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056532.D	n-Tetracontane (C40)	yogesh	10/29/2025 8:33:32 AM	Sohil	10/29/2025 4:07:42	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056535.D	n-Dotriacontane (C32)	yogesh	10/29/2025 8:33:34 AM	Sohil	10/29/2025 4:07:44	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056535.D	n-Octacosane (C28)	yogesh	10/29/2025 8:33:34 AM	Sohil	10/29/2025 4:07:44	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056535.D	n-Octatriacontane (C38)	yogesh	10/29/2025 8:33:34 AM	Sohil	10/29/2025 4:07:44	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056535.D	n-Tetracontane (C40)	yogesh	10/29/2025 8:33:34 AM	Sohil	10/29/2025 4:07:44	Peak Integrated by Software
Q3452-02	FE056537.D	ortho-Terphenyl (SURR)	yogesh	10/29/2025 8:33:35 AM	Sohil	10/29/2025 4:07:45	Peak Integrated by Software
Q3465-01	FE056538.D	ortho-Terphenyl (SURR)	yogesh	10/29/2025 8:33:37 AM	Sohil	10/29/2025 4:07:47	Peak Integrated by Software
Q3465-02	FE056539.D	ortho-Terphenyl (SURR)	yogesh	10/29/2025 8:33:38 AM	Sohil	10/29/2025 4:07:49	Peak Integrated by Software
Q3472-12	FE056547.D	ortho-Terphenyl (SURR)	yogesh	10/29/2025 8:33:40 AM	Sohil	10/29/2025 4:07:51	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056550.D	n-Dotriacontane (C32)	yogesh	10/29/2025 8:33:42 AM	Sohil	10/29/2025 4:07:53	Peak Integrated by Software

Manual Integration Report

Sequence:

FE102825AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE056550.D	n-Octacosane (C28)	yogesh	10/29/2025 8:33:42 AM	Sohil	10/29/2025 4:07:53	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056550.D	n-Octatriacontane (C38)	yogesh	10/29/2025 8:33:42 AM	Sohil	10/29/2025 4:07:53	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056550.D	n-Tetracontane (C40)	yogesh	10/29/2025 8:33:42 AM	Sohil	10/29/2025 4:07:53	Peak Integrated by Software

Manual Integration Report

Sequence:	FE102925AL	Instrument	FID_e
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE056553.D	n-Octatriacontane (C38)	yogesh	10/30/2025 7:19:52 AM	 	 	Peak Integrated by Software
Q3472-12DL	FE056559.D	ortho-Terphenyl (SURR)	yogesh	10/30/2025 7:19:53 AM	 	 	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE056563.D	n-Octatriacontane (C38)	yogesh	10/30/2025 7:19:55 AM	 	 	Peak Integrated by Software
PB170307BS	FE056565.D	n-Decane (C10)	yogesh	10/30/2025 7:19:56 AM	 	 	Peak Integrated by Software
PB170307BS	FE056565.D	n-Octacosane (C28)	yogesh	10/30/2025 7:19:56 AM	 	 	Peak Integrated by Software
PB170307BS	FE056565.D	n-Tetratriacontane (C34)	yogesh	10/30/2025 7:19:56 AM	 	 	Peak Integrated by Software
PB170307BSD	FE056566.D	n-Decane (C10)	yogesh	10/30/2025 7:19:58 AM	 	 	Peak Integrated by Software
PB170307BSD	FE056566.D	n-Octacosane (C28)	yogesh	10/30/2025 7:19:58 AM	 	 	Peak Integrated by Software
Q3480-01MS	FE056569.D	n-Decane (C10)	yogesh	10/30/2025 7:20:00 AM	 	 	Peak Integrated by Software
Q3480-01MS	FE056569.D	n-Octacosane (C28)	yogesh	10/30/2025 7:20:00 AM	 	 	Peak Integrated by Software
Q3480-01MS	FE056569.D	n-Tetratriacontane (C34)	yogesh	10/30/2025 7:20:00 AM	 	 	Peak Integrated by Software
Q3480-01MSD	FE056570.D	n-Decane (C10)	yogesh	10/30/2025 7:20:01 AM	 	 	Peak Integrated by Software
Q3480-01MSD	FE056570.D	n-Hexatriacontane (C36)	yogesh	10/30/2025 7:20:01 AM	 	 	Peak Integrated by Software



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

Manual Integration Report

Sequence:

FE102925AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3480-01MSD	FE056570.D	n-Octacosane (C28)	yogesh	10/30/2025 7:20:01 AM	 	 	Peak Integrated by Software

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC100725AL

Review By	yogesh	Review On	10/7/2025 10:33:30 AM
Supervise By	mohammad	Supervise On	10/8/2025 3:35:18 AM
SubDirectory	FC100725AL	HP Acquire Method	HP Processing Method FC100725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM	PP24771		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24769,PP24774		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069935.D	06 Oct 2025 14:47	YP/AJ	Ok
2	I.BLK	FC069936.D	06 Oct 2025 15:31	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC069937.D	06 Oct 2025 16:17	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC069938.D	06 Oct 2025 17:03	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC069939.D	06 Oct 2025 17:50	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC069940.D	06 Oct 2025 18:35	YP/AJ	Ok,M
7	5 PPM ALIPHATIC HC STD5	FC069941.D	06 Oct 2025 19:19	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC069942.D	06 Oct 2025 20:02	YP/AJ	Ok
9	I.BLK	FC069943.D	06 Oct 2025 21:29	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069944.D	06 Oct 2025 22:12	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC102825AL

Review By	yogesh	Review On	10/28/2025 11:27:07 AM
Supervise By	Sohil	Supervise On	10/29/2025 4:08:37 PM
SubDirectory	FC102825AL	HP Acquire Method	HP Processing Method FC100725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM	PP24771		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24769,PP24774		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC070057.D	28 Oct 2025 08:33	YP/AJ	Ok
2	I.BLK	FC070058.D	28 Oct 2025 11:20	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC070059.D	28 Oct 2025 11:59	YP/AJ	Ok
4	PB170266BL	FC070060.D	28 Oct 2025 13:19	YP/AJ	Ok
5	PB170266BS	FC070061.D	28 Oct 2025 13:58	YP/AJ	Ok
6	PB170266BSD	FC070062.D	28 Oct 2025 14:38	YP/AJ	Ok
7	Q3469-01	FC070063.D	28 Oct 2025 15:18	YP/AJ	Ok
8	Q3469-01D	FC070064.D	28 Oct 2025 15:59	YP/AJ	Ok
9	Q3469-01MS	FC070065.D	28 Oct 2025 16:39	YP/AJ	Ok
10	Q3469-01MSD	FC070066.D	28 Oct 2025 17:20	YP/AJ	Ok
11	Q3469-02	FC070067.D	28 Oct 2025 18:01	YP/AJ	Ok
12	I.BLK	FC070068.D	28 Oct 2025 19:22	YP/AJ	Ok
13	20 PPM ALIPHATIC HC STD	FC070069.D	28 Oct 2025 20:03	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE101725AL

Review By	yogesh	Review On	10/16/2025 2:50:14 PM
Supervise By	Sohil	Supervise On	10/17/2025 1:12:44 PM
SubDirectory	FE101725AL	HP Acquire Method	HP Processing Method FE101725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM	PP24771		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24769,PP24774		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE056349.D	16 Oct 2025 16:29	YP\AJ	Ok
2	I.BLK	FE056350.D	16 Oct 2025 16:59	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE056351.D	16 Oct 2025 17:30	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE056352.D	16 Oct 2025 18:00	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE056353.D	16 Oct 2025 18:30	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE056354.D	16 Oct 2025 19:00	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE056355.D	16 Oct 2025 19:31	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE056356.D	16 Oct 2025 20:01	YP\AJ	Ok
9	I.BLK	FE056357.D	16 Oct 2025 21:01	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE056358.D	16 Oct 2025 21:32	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE102825AL

Review By	yogesh	Review On	10/28/2025 10:23:15 AM
Supervise By	Sohil	Supervise On	10/29/2025 4:08:02 PM
SubDirectory	FE102825AL	HP Acquire Method	HP Processing Method FE101725AL
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	FE056530.D	28 Oct 2025 08:07	YP\AJ	Ok
2	I.BLK	FE056531.D	28 Oct 2025 08:37	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE056532.D	28 Oct 2025 09:08	YP\AJ	Ok,M
4	PP25012	FE056533.D	28 Oct 2025 09:45	YP\AJ	Ok
5	I.BLK	FE056534.D	28 Oct 2025 11:49	YP\AJ	Ok
6	20 PPM ALIPHATIC HC STD	FE056535.D	28 Oct 2025 12:49	YP\AJ	Ok,M
7	Q3452-01	FE056536.D	28 Oct 2025 13:24	YP\AJ	Ok
8	Q3452-02	FE056537.D	28 Oct 2025 13:54	YP\AJ	Ok,M
9	Q3465-01	FE056538.D	28 Oct 2025 14:24	YP\AJ	Ok,M
10	Q3465-02	FE056539.D	28 Oct 2025 14:54	YP\AJ	Ok,M
11	Q3466-02	FE056540.D	28 Oct 2025 15:24	YP\AJ	Ok
12	Q3466-05	FE056541.D	28 Oct 2025 15:55	YP\AJ	ReRun
13	Q3466-07	FE056542.D	28 Oct 2025 16:25	YP\AJ	Ok
14	Q3472-04DL	FE056543.D	28 Oct 2025 16:55	YP\AJ	Ok
15	Q3472-06	FE056544.D	28 Oct 2025 17:25	YP\AJ	Dilution
16	Q3472-08	FE056545.D	28 Oct 2025 17:55	YP\AJ	Dilution
17	Q3472-10	FE056546.D	28 Oct 2025 18:26	YP\AJ	Dilution
18	Q3472-12	FE056547.D	28 Oct 2025 18:56	YP\AJ	Dilution
19	Q3472-14	FE056548.D	28 Oct 2025 19:26	YP\AJ	Dilution
20	I.BLK	FE056549.D	28 Oct 2025 20:57	YP\AJ	Ok
21	20 PPM ALIPHATIC HC STD	FE056550.D	28 Oct 2025 21:27	YP\AJ	Ok,M

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE102925AL

Review By	yogesh	Review On	10/29/2025 9:43:07 AM
Supervise By		Supervise On	
SubDirectory	FE102925AL	HP Acquire Method	HP Processing Method FE101725AL
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	FE056551.D	29 Oct 2025 06:23	YP\AJ	Ok
2	I.BLK	FE056552.D	29 Oct 2025 06:53	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE056553.D	29 Oct 2025 07:23	YP\AJ	Ok,NS
4	Q3466-05	FE056554.D	29 Oct 2025 08:05	YP\AJ	Ok
5	Q3472-04	FE056555.D	29 Oct 2025 08:35	YP\AJ	Dilution
6	Q3472-06DL	FE056556.D	29 Oct 2025 09:05	YP\AJ	Ok
7	Q3472-08DL	FE056557.D	29 Oct 2025 09:35	YP\AJ	Ok
8	Q3472-10DL	FE056558.D	29 Oct 2025 10:06	YP\AJ	Ok
9	Q3472-12DL	FE056559.D	29 Oct 2025 10:36	YP\AJ	Ok,NS
10	Q3472-14DL	FE056560.D	29 Oct 2025 11:06	YP\AJ	Ok
11	Q3472-14DL2	FE056561.D	29 Oct 2025 11:36	YP\AJ	Ok
12	I.BLK	FE056562.D	29 Oct 2025 12:37	YP\AJ	Ok
13	20 PPM ALIPHATIC HC STD	FE056563.D	29 Oct 2025 13:07	YP\AJ	Ok,NS
14	PB170307BL	FE056564.D	29 Oct 2025 13:37	YP\AJ	Ok
15	PB170307BS	FE056565.D	29 Oct 2025 14:08	YP\AJ	Ok,NS
16	PB170307BSD	FE056566.D	29 Oct 2025 14:38	YP\AJ	Ok,NS
17	Q3480-01	FE056567.D	29 Oct 2025 15:08	YP\AJ	Ok
18	Q3480-01D	FE056568.D	29 Oct 2025 15:38	YP\AJ	Ok
19	Q3480-01MS	FE056569.D	29 Oct 2025 16:09	YP\AJ	Ok,NS
20	Q3480-01MSD	FE056570.D	29 Oct 2025 16:39	YP\AJ	Ok,NS
21	I.BLK	FE056571.D	29 Oct 2025 17:39	YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE102925AL

Review By	yogesh	Review On	10/29/2025 9:43:07 AM
Supervise By		Supervise On	
SubDirectory	FE102925AL	HP Acquire Method	HP Processing Method FE101725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM	PP24771		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24769,PP24774		

22	20 PPM ALIPHATIC HC STD	FE056572.D	29 Oct 2025 18:09	YP\AJ	Ok
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M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC100725AL

Review By	yogesh	Review On	10/7/2025 10:33:30 AM
Supervise By	mohammad	Supervise On	10/8/2025 3:35:18 AM
SubDirectory	FC100725AL	HP Acquire Method	HP Processing Method FC100725AL

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC 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	FC069935.D	06 Oct 2025 14:47		YP/AJ	Ok
2	I.BLK	I.BLK	FC069936.D	06 Oct 2025 15:31		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC069937.D	06 Oct 2025 16:17		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC069938.D	06 Oct 2025 17:03		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069939.D	06 Oct 2025 17:50		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC069940.D	06 Oct 2025 18:35		YP/AJ	Ok,M
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC069941.D	06 Oct 2025 19:19		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069942.D	06 Oct 2025 20:02		YP/AJ	Ok
9	I.BLK	I.BLK	FC069943.D	06 Oct 2025 21:29		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069944.D	06 Oct 2025 22:12		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC102825AL

Review By	yogesh	Review On	10/28/2025 11:27:07 AM
Supervise By	Sohil	Supervise On	10/29/2025 4:08:37 PM
SubDirectory	FC102825AL	HP Acquire Method	HP Processing Method FC100725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC070057.D	28 Oct 2025 08:33		YP/AJ	Ok
2	I.BLK	I.BLK	FC070058.D	28 Oct 2025 11:20		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC070059.D	28 Oct 2025 11:59		YP/AJ	Ok
4	PB170266BL	PB170266BL	FC070060.D	28 Oct 2025 13:19		YP/AJ	Ok
5	PB170266BS	PB170266BS	FC070061.D	28 Oct 2025 13:58		YP/AJ	Ok
6	PB170266BSD	PB170266BSD	FC070062.D	28 Oct 2025 14:38		YP/AJ	Ok
7	Q3469-01	TP-13	FC070063.D	28 Oct 2025 15:18		YP/AJ	Ok
8	Q3469-01D	Q3469-01D	FC070064.D	28 Oct 2025 15:59		YP/AJ	Ok
9	Q3469-01MS	TP-13MS	FC070065.D	28 Oct 2025 16:39	FC070063.D	YP/AJ	Ok
10	Q3469-01MSD	TP-13MSD	FC070066.D	28 Oct 2025 17:20	FC070063.D!FC070065.D	YP/AJ	Ok
11	Q3469-02	TP-13-EPH	FC070067.D	28 Oct 2025 18:01		YP/AJ	Ok
12	I.BLK	I.BLK	FC070068.D	28 Oct 2025 19:22		YP/AJ	Ok
13	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC070069.D	28 Oct 2025 20:03		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE101725AL

Review By	yogesh	Review On	10/16/2025 2:50:14 PM
Supervise By	Sohil	Supervise On	10/17/2025 1:12:44 PM
SubDirectory	FE101725AL	HP Acquire Method	HP Processing Method FE101725AL

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	FE056349.D	16 Oct 2025 16:29		YP\AJ	Ok
2	I.BLK	I.BLK	FE056350.D	16 Oct 2025 16:59		YP\AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FE056351.D	16 Oct 2025 17:30		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE056352.D	16 Oct 2025 18:00		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056353.D	16 Oct 2025 18:30		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE056354.D	16 Oct 2025 19:00		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE056355.D	16 Oct 2025 19:31		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056356.D	16 Oct 2025 20:01		YP\AJ	Ok
9	I.BLK	I.BLK	FE056357.D	16 Oct 2025 21:01		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056358.D	16 Oct 2025 21:32		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE102825AL

Review By	yogesh	Review On	10/28/2025 10:23:15 AM
Supervise By	Sohil	Supervise On	10/29/2025 4:08:02 PM
SubDirectory	FE102825AL	HP Acquire Method	HP Processing Method FE101725AL

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	FE056530.D	28 Oct 2025 08:07		YP\AJ	Ok
2	I.BLK	I.BLK	FE056531.D	28 Oct 2025 08:37		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056532.D	28 Oct 2025 09:08		YP\AJ	Ok,M
4	PP25012	PP25012	FE056533.D	28 Oct 2025 09:45		YP\AJ	Ok
5	I.BLK	I.BLK	FE056534.D	28 Oct 2025 11:49		YP\AJ	Ok
6	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056535.D	28 Oct 2025 12:49		YP\AJ	Ok,M
7	Q3452-01	JB-1	FE056536.D	28 Oct 2025 13:24		YP\AJ	Ok
8	Q3452-02	JB-1-EPH	FE056537.D	28 Oct 2025 13:54		YP\AJ	Ok,M
9	Q3465-01	SU-03-10242025	FE056538.D	28 Oct 2025 14:24		YP\AJ	Ok,M
10	Q3465-02	SU-03-10242025-E2	FE056539.D	28 Oct 2025 14:54		YP\AJ	Ok,M
11	Q3466-02	B8-0.0-1.0-20251023	FE056540.D	28 Oct 2025 15:24		YP\AJ	Ok
12	Q3466-05	Q3466-05	FE056541.D	28 Oct 2025 15:55	Surrogate fail	YP\AJ	ReRun
13	Q3466-07	B7-1.0-2.0-20251023	FE056542.D	28 Oct 2025 16:25		YP\AJ	Ok
14	Q3472-04DL	COMP-1DL	FE056543.D	28 Oct 2025 16:55		YP\AJ	Ok
15	Q3472-06	COMP-2	FE056544.D	28 Oct 2025 17:25	Need Further 50X	YP\AJ	Dilution
16	Q3472-08	COMP-3	FE056545.D	28 Oct 2025 17:55	Need further 10X	YP\AJ	Dilution
17	Q3472-10	COMP-4	FE056546.D	28 Oct 2025 18:26	Need Further 50X	YP\AJ	Dilution
18	Q3472-12	COMP-5	FE056547.D	28 Oct 2025 18:56	Need Further 5X	YP\AJ	Dilution

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE102825AL

Review By	yogesh	Review On	10/28/2025 10:23:15 AM
Supervise By	Sohil	Supervise On	10/29/2025 4:08:02 PM
SubDirectory	FE102825AL	HP Acquire Method	HP Processing Method FE101725AL

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	Q3472-14	155	FE056548.D	28 Oct 2025 19:26	Need Further 20X,50X	YP\AJ	Dilution
20	I.BLK	I.BLK	FE056549.D	28 Oct 2025 20:57		YP\AJ	Ok
21	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056550.D	28 Oct 2025 21:27		YP\AJ	Ok,M

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE102925AL

Review By	yogesh	Review On	10/29/2025 9:43:07 AM
Supervise By		Supervise On	
SubDirectory	FE102925AL	HP Acquire Method	HP Processing Method FE101725AL
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	FE056551.D	29 Oct 2025 06:23		YP\AJ	Ok
2	I.BLK	I.BLK	FE056552.D	29 Oct 2025 06:53		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056553.D	29 Oct 2025 07:23		YP\AJ	Ok,NS
4	Q3466-05	B9-0.0-1.0-20251023	FE056554.D	29 Oct 2025 08:05		YP\AJ	Ok
5	Q3472-04	COMP-1	FE056555.D	29 Oct 2025 08:35	Need 10X	YP\AJ	Dilution
6	Q3472-06DL	COMP-2DL	FE056556.D	29 Oct 2025 09:05		YP\AJ	Ok
7	Q3472-08DL	COMP-3DL	FE056557.D	29 Oct 2025 09:35		YP\AJ	Ok
8	Q3472-10DL	COMP-4DL	FE056558.D	29 Oct 2025 10:06		YP\AJ	Ok
9	Q3472-12DL	COMP-5DL	FE056559.D	29 Oct 2025 10:36		YP\AJ	Ok,NS
10	Q3472-14DL	155DL	FE056560.D	29 Oct 2025 11:06		YP\AJ	Ok
11	Q3472-14DL2	155DL2	FE056561.D	29 Oct 2025 11:36		YP\AJ	Ok
12	I.BLK	I.BLK	FE056562.D	29 Oct 2025 12:37		YP\AJ	Ok
13	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056563.D	29 Oct 2025 13:07		YP\AJ	Ok,NS
14	PB170307BL	PB170307BL	FE056564.D	29 Oct 2025 13:37		YP\AJ	Ok
15	PB170307BS	PB170307BS	FE056565.D	29 Oct 2025 14:08		YP\AJ	Ok,NS
16	PB170307BSD	PB170307BSD	FE056566.D	29 Oct 2025 14:38		YP\AJ	Ok,NS
17	Q3480-01	RT3449	FE056567.D	29 Oct 2025 15:08		YP\AJ	Ok
18	Q3480-01D	Q3480-01D	FE056568.D	29 Oct 2025 15:38		YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE102925AL

Review By	yogesh	Review On	10/29/2025 9:43:07 AM
Supervise By		Supervise On	
SubDirectory	FE102925AL	HP Acquire Method	HP Processing Method FE101725AL
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	Q3480-01MS	RT3449MS	FE056569.D	29 Oct 2025 16:09	FE056567.D	YP\AJ	Ok,NS
20	Q3480-01MSD	RT3449MSD	FE056570.D	29 Oct 2025 16:39	FE056567.D!FE056569.D	YP\AJ	Ok,NS
21	I.BLK	I.BLK	FE056571.D	29 Oct 2025 17:39		YP\AJ	Ok
22	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056572.D	29 Oct 2025 18:09		YP\AJ	Ok

M : Manual Integration

SOP ID: MNJDEP-EPH-8

Clean Up SOP #: N/A **Extraction Start Date :** 10/28/2025

Matrix : Solid **Extraction Start Time :** 09:05

Weigh By: EH **Extraction By:** RJ **Extraction End Date :** 10/28/2025

Balance check: EH **Filter By:** RJ **Extraction End Time :** 13:10

Balance ID: EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: N/A **Hood ID:** 3,7 **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	PP24941
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	EP2641
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Hexane	N/A	E3978
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:

Q3472 all samples used Limited volume as samples are Oily Debris.

KD Bath ID: N/A **Envap ID:** N-EVAP-02

KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/28/25	RSCEB lab	RUPESH / PUB Lab
13:15	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-8

Concentration Date: 10/28/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170266BL	PB170266BL	EPH_NF	30.01	N/A	ritesh	Evelyn	2			U1-1
PB170266BS	PB170266BS	EPH_NF	30.03	N/A	ritesh	Evelyn	2			2
PB170266BSD	PB170266BSD	EPH_NF	30.02	N/A	ritesh	Evelyn	2			3
Q3452-01	JB-1	EPH_NF	30.04	N/A	ritesh	Evelyn	2	D		4
Q3452-02	JB-1-EPH	EPH_NF	30.08	N/A	ritesh	Evelyn	2			5
Q3465-01	SU-03-10242025	EPH_NF	30.07	N/A	ritesh	Evelyn	2	E		6
Q3465-02	SU-03-10242025-E2	EPH_NF	30.02	N/A	ritesh	Evelyn	2			U2-1
Q3466-02	B8-0.0-1.0-20251023	EPH_NF	30.05	N/A	ritesh	Evelyn	2	B		2
Q3466-05	B9-0.0-1.0-20251023	EPH_NF	30.01	N/A	ritesh	Evelyn	2	A		3
Q3466-07	B7-1.0-2.0-20251023	EPH_NF	30.06	N/A	ritesh	Evelyn	2	B		4
Q3469-01	TP-13	EPH_NF	30.09	N/A	ritesh	Evelyn	2	B		5
Q3469-01DUP	TP-13DUP	EPH_NF	30.06	N/A	ritesh	Evelyn	2	B		6
Q3469-01MS	TP-13MS	EPH_NF	30.03	N/A	ritesh	Evelyn	2	B		U3-1
Q3469-01MSD	TP-13MSD	EPH_NF	30.04	N/A	ritesh	Evelyn	2	B		2
Q3469-02	TP-13-EPH	EPH_NF	30.05	N/A	ritesh	Evelyn	2			3
Q3472-04	COMP-1	EPH_NF	5.02	N/A	ritesh	Evelyn	2	C	Oily Debris	4
Q3472-06	COMP-2	EPH_NF	5.06	N/A	ritesh	Evelyn	2	B	Oily Debris	5
Q3472-08	COMP-3	EPH_NF	5.07	N/A	ritesh	Evelyn	2	B	Oily Debris	6
Q3472-10	COMP-4	EPH_NF	5.05	N/A	ritesh	Evelyn	2	B	Oily Debris	U4-1
Q3472-12	COMP-5	EPH_NF	5.03	N/A	ritesh	Evelyn	2	B	Oily Debris	2
Q3472-14	155	EPH_NF	5.04	N/A	ritesh	Evelyn	2	B	Oily Debris	3

* Extracts relinquished on the same date as received.



WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3465 WorkList ID : 192724 Department : Extraction Date : 10-28-2025 08:33:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3452-01	JB-1	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/24/2025	NJEPH
Q3452-02	JB-1-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/24/2025	NJEPH
Q3465-01	SU-03-10242025	Solid	EPH_NF	Cool 4 deg C	PSEG05	D31	10/24/2025	NJEPH
Q3465-02	SU-03-10242025-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	D31	10/24/2025	NJEPH
Q3466-02	B8-0.0-1.0-20251023	Solid	EPH_NF	Cool 4 deg C	HDR108	D41	10/23/2025	NJEPH
Q3466-05	B9-0.0-1.0-20251023	Solid	EPH_NF	Cool 4 deg C	HDR108	D41	10/23/2025	NJEPH
Q3466-07	B7-1.0-2.0-20251023	Solid	EPH_NF	Cool 4 deg C	HDR108	D41	10/23/2025	NJEPH
Q3469-01	TP-13	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	10/25/2025	NJEPH
Q3469-02	TP-13-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	10/25/2025	NJEPH
Q3472-04	COMP-1	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	10/27/2025	NJEPH
Q3472-06	COMP-2	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	10/27/2025	NJEPH
Q3472-08	COMP-3	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	10/27/2025	NJEPH
Q3472-10	COMP-4	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	10/27/2025	NJEPH
Q3472-12	COMP-5	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	10/27/2025	NJEPH
Q3472-14	155	Solid	EPH_NF	Cool 4 deg C	PSEG03	D41	10/27/2025	NJEPH

Date/Time
Raw Sample Received by:
Raw Sample Relinquished by:

10/28/25 9:00
R.J. (Ext-646)
R.J. (Ext-646)

Date/Time
Raw Sample Received by:
Raw Sample Relinquished by:

10/28/25 9:30
R.J. (Ext-646)
R.J. (Ext-646)

LAB CHRONICLE

OrderID:	Q3466	OrderDate:	10/24/2025 3:18:10 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
Q3466-02	B8-0.0-1.0-20251023	SOIL			10/23/25			10/24/25
			PCB	8082A		10/28/25	10/28/25	
			Pesticide-TCL	8081B		10/28/25	10/28/25	
			EPH_NF	NJEPH		10/28/25	10/28/25	
Q3466-05	B9-0.0-1.0-20251023	SOIL			10/23/25			10/24/25
			PCB	8082A		10/28/25	10/28/25	
			Pesticide-TCL	8081B		10/28/25	10/28/25	
			EPH_NF	NJEPH		10/28/25	10/29/25	
Q3466-07	B7-1.0-2.0-20251023	SOIL			10/23/25			10/24/25
			PCB	8082A		10/28/25	10/28/25	
			Pesticide-TCL	8081B		10/28/25	10/28/25	
			EPH_NF	NJEPH		10/28/25	10/28/25	