



SAMPLE DATA

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-1	SDG No.:	Q2431
Lab Sample ID:	Q2431-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 17:55	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.26		1	1.38	2.33	mg/kg	FE054618.D
Aliphatic C9-C28	Aliphatic C9-C28	5.27		1	1.06	4.67	mg/kg	FE054618.D
Total AliphaticEPH	Total AliphaticEPH	10.5			2.44	7.00	mg/kg	
Total EPH	Total EPH	10.5			2.44	7.00	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-1	SDG No.:	Q2431
Lab Sample ID:	Q2431-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 17:55	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.26		1	1.38	2.33	mg/kg	FE054618.D
Aliphatic C9-C28	Aliphatic C9-C28	5.27		1	1.06	4.67	mg/kg	FE054618.D
Total AliphaticEPH	Total AliphaticEPH	10.5			2.44	7.00	mg/kg	
Total EPH	Total EPH	10.5			2.44	7.00	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.

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-1	SDG No.:	Q2431
Lab Sample ID:	Q2431-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054618.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.27		1.06	4.67	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.26		1.38	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.6		40 - 140	65%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2431-01	Acq On:	27 Jun 2025 17:55
Client Sample ID:	S-1	Operator:	YP\AJ
Data file:	FE054618.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.943	4058554	29.83	300	ug/ml
Aliphatic C12-C16	6.944	10.391	1143067	8.132	200	ug/ml
Aliphatic C16-C21	10.392	13.764	1588634	11.002	300	ug/ml
Aliphatic C21-C28	13.765	17.429	2712963	18.755	400	ug/ml
Aliphatic C28-C40	17.430	22.428	9379397	67.649	600	ug/ml
Aliphatic EPH	3.317	22.428	18882615	135.368		ug/ml
ortho-Terphenyl (SURR)	12.064	12.064	5301058	32.64		ug/ml
1-chlorooctadecane (SURR)	13.499	13.499	4110560	32.55		ug/ml
Aliphatic C9-C28	3.317	17.429	9503218	67.719	1200	ug/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-2	SDG No.:	Q2431
Lab Sample ID:	Q2431-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/30/25 11:59	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.29		1	1.40	2.36	mg/kg	FC069327.D
Aliphatic C9-C28	Aliphatic C9-C28	4.42	J	1	1.08	4.73	mg/kg	FC069327.D
Total AliphaticEPH	Total AliphaticEPH	9.71			2.48	7.09	mg/kg	
Total EPH	Total EPH	9.71			2.48	7.09	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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E = Value Exceeds Calibration Range

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-2	SDG No.:	Q2431
Lab Sample ID:	Q2431-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/30/25 11:59	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.29		1	1.40	2.36	mg/kg	FC069327.D
Aliphatic C9-C28	Aliphatic C9-C28	4.42	J	1	1.08	4.73	mg/kg	FC069327.D
Total AliphaticEPH	Total AliphaticEPH	9.71			2.48	7.09	mg/kg	
Total EPH	Total EPH	9.71			2.48	7.09	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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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-2	SDG No.:	Q2431
Lab Sample ID:	Q2431-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069327.D	1	06/27/25	06/30/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.42	J	1.08	4.73	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.29		1.40	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.9		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.9		40 - 140	54%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2431-02	Acq On:	30 Jun 2025 11:59
Client Sample ID:	S-2	Operator:	YP/AJ
Data file:	FC069327.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	3.308	6.605	3919352	26.72	300	ug/ml
Aliphatic C12-C16	6.606	10.009	924086	5.804	200	ug/ml
Aliphatic C16-C21	10.010	13.379	1332196	8.626	300	ug/ml
Aliphatic C21-C28	13.380	17.046	1994006	14.884	400	ug/ml
Aliphatic C28-C40	17.047	22.025	6176657	67.047	600	ug/ml
Aliphatic EPH	3.308	22.025	14346297	123.082		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	4645575	26.89		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	3520509	26.95		ug/ml
Aliphatic C9-C28	3.308	17.046	8169640	56.034	1200	ug/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-3	SDG No.:	Q2431
Lab Sample ID:	Q2431-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 18:55	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.53		1	1.42	2.40	mg/kg	FE054620.D
Aliphatic C9-C28	Aliphatic C9-C28	7.53		1	1.09	4.80	mg/kg	FE054620.D
Total AliphaticEPH	Total AliphaticEPH	13.1			2.51	7.20	mg/kg	
Total EPH	Total EPH	13.1			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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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:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-3	SDG No.:	Q2431
Lab Sample ID:	Q2431-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 18:55	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.53		1	1.42	2.40	mg/kg	FE054620.D
Aliphatic C9-C28	Aliphatic C9-C28	7.53		1	1.09	4.80	mg/kg	FE054620.D
Total AliphaticEPH	Total AliphaticEPH	13.1			2.51	7.20	mg/kg	
Total EPH	Total EPH	13.1			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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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-3	SDG No.:	Q2431
Lab Sample ID:	Q2431-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054620.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.53		1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.53		1.42	2.40	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.2		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.0		40 - 140	64%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2431-03	Acq On:	27 Jun 2025 18:55
Client Sample ID:	S-3	Operator:	YP\AJ
Data file:	FE054620.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.943	3948703	29.023	300	ug/ml
Aliphatic C12-C16	6.944	10.391	1035182	7.364	200	ug/ml
Aliphatic C16-C21	10.392	13.764	5475359	37.92	300	ug/ml
Aliphatic C21-C28	13.765	17.429	2850896	19.709	400	ug/ml
Aliphatic C28-C40	17.430	22.428	9582574	69.115	600	ug/ml
Aliphatic EPH	3.317	22.428	22892714	163.13		ug/ml
ortho-Terphenyl (SURR)	12.065	12.065	5194786	31.99		ug/ml
1-chlorooctadecane (SURR)	13.501	13.501	4064825	32.19		ug/ml
Aliphatic C9-C28	3.317	17.429	13310140	94.016	1200	ug/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-4	SDG No.:	Q2431
Lab Sample ID:	Q2431-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.6
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 19:25	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.75		1	1.39	2.36	mg/kg FE054621.D
Aliphatic C9-C28	Aliphatic C9-C28	6.21		1	1.07	4.73	mg/kg FE054621.D
Total AliphaticEPH	Total AliphaticEPH	9.96			2.46	7.09	mg/kg
Total EPH	Total EPH	9.96			2.46	7.09	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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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-4	SDG No.:	Q2431
Lab Sample ID:	Q2431-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.6
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 19:25	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.75		1	1.39	2.36	mg/kg	FE054621.D
Aliphatic C9-C28	Aliphatic C9-C28	6.21		1	1.07	4.73	mg/kg	FE054621.D
Total AliphaticEPH	Total AliphaticEPH	9.96			2.46	7.09	mg/kg	
Total EPH	Total EPH	9.96			2.46	7.09	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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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-4	SDG No.:	Q2431
Lab Sample ID:	Q2431-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.6
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054621.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.21		1.07	4.73	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.75		1.39	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.2		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.4		40 - 140	65%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2431-04	Acq On:	27 Jun 2025 19:25
Client Sample ID:	S-4	Operator:	YP\AJ
Data file:	FE054621.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	3.317	6.943	3869525	28.441	300	ug/ml
Aliphatic C12-C16	6.944	10.391	1049050	7.463	200	ug/ml
Aliphatic C16-C21	10.392	13.764	1776999	12.307	300	ug/ml
Aliphatic C21-C28	13.765	17.429	4418936	30.549	400	ug/ml
Aliphatic C28-C40	17.430	22.428	6595023	47.567	600	ug/ml
Aliphatic EPH	3.317	22.428	17709533	126.326		ug/ml
ortho-Terphenyl (SURR)	12.066	12.066	5265543	32.42		ug/ml
1-chlorooctadecane (SURR)	13.501	13.501	4071607	32.24		ug/ml
Aliphatic C9-C28	3.317	17.429	11114510	78.76	1200	ug/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-5	SDG No.:	Q2431
Lab Sample ID:	Q2431-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/30/25 13:01	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.67		1	1.42	2.41	mg/kg
Aliphatic C9-C28	Aliphatic C9-C28	5.69		1	1.09	4.80	mg/kg
Total AliphaticEPH	Total AliphaticEPH	11.4			2.51	7.21	mg/kg
Total EPH	Total EPH	11.4			2.51	7.21	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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MDL = Method Detection Limit

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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:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-5	SDG No.:	Q2431
Lab Sample ID:	Q2431-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/30/25 13:01	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.67		1	1.42	2.41	mg/kg
Aliphatic C9-C28	Aliphatic C9-C28	5.69		1	1.09	4.80	mg/kg
Total AliphaticEPH	Total AliphaticEPH	11.4			2.51	7.21	mg/kg
Total EPH	Total EPH	11.4			2.51	7.21	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:	Earth Engineering Inc.	Date Collected:	06/25/25
Project:	1710 N4 Ave	Date Received:	06/26/25
Client Sample ID:	S-5	SDG No.:	Q2431
Lab Sample ID:	Q2431-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069328.D	1	06/27/25	06/30/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.69		1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.67		1.42	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.1		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.1		40 - 140	54%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2431-05	Acq On:	30 Jun 2025 13:01
Client Sample ID:	S-5	Operator:	YP/AJ
Data file:	FC069328.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	3.308	6.605	3880361	26.455	300	ug/ml
Aliphatic C12-C16	6.606	10.009	935373	5.875	200	ug/ml
Aliphatic C16-C21	10.010	13.379	2113640	13.686	300	ug/ml
Aliphatic C21-C28	13.380	17.046	3343201	24.956	400	ug/ml
Aliphatic C28-C40	17.047	22.025	6514751	70.717	600	ug/ml
Aliphatic EPH	3.308	22.025	16787326	141.688		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	4673415	27.05		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	3545638	27.14		ug/ml
Aliphatic C9-C28	3.308	17.046	10272575	70.972	1200	ug/ml



QC SUMMARY



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Fax : 908 789 8922

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: EARTH03
Lab Code: CHEM CASE No.: Q2431 SAS No.: Q2431 SDG No.: Q2431
Run Number: FC063025AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
S-2	54	54		0
S-5	54	54		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: CHEMTECH Contract: EARTH03
Lab Code: CHEM CASE No.: Q2431 SAS No.: Q2431 SDG No.: Q2431
Run Number: FE062725AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
S-1	65	65		0
S-3	64	64		0
S-4	64	65		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: CHEMTECH Contract: EARTH03
Lab Code: CHEM CASE No.: Q2431 SAS No.: Q2431 SDG No.: Q2431
Run Number: FG062725AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB168635BL	81	78		0
PB168635BS	81	79		0
PB168635BSD	81	78		0
MH-E/FMS	67	64		0
MH-E/FMSD	66	63		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>Chemtech</u>	Client:	<u>Earth Engineering Inc.</u>
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2431</u>
Sample No :	<u>Q2430-01MS</u>	SAS No :	<u>Q2431</u>
		SDG No:	<u>Q2431</u>
	Datafile:	Client ID :	<u>MH-E/FMS</u>
	<u>FG016160.D</u>		

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	34.0	5.84	39.1	98		(40-140)
Aliphatic C9-C28	113.3	9.67	91.0	72		(40-140)

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
n-Nonane (C9)	3.8	0.0000	2.1864	58		(40-140)
n-Decane (C10)	3.8	0.0000	5.0832	134		(40-140)
Naphthalene (C11.7)	3.8	0.0000	2.7244	72		(40-140)
n-Dodecane (C12)	3.8	0.0000	2.5357	67		(40-140)
2-methylnaphthalene (C12.89)	3.8	0.0000	2.7158	71		(40-140)
n-Tetradecane (C14)	3.8	0.0000	2.7255	72		(40-140)
n-Hexadecane (C16)	3.8	0.0000	2.9448	77		(40-140)
n-Octadecane (C18)	3.8	0.0000	3.0403	80		(40-140)
n-Eicosane (C20)	3.8	0.0000	3.2790	86		(40-140)
n-Heneicosane (C21)	3.8	0.0000	3.1870	84		(40-140)
n-Docosane (C22)	3.8	0.0000	3.1935	84		(40-140)
n-Tetracosane (C24)	7.5	0.0000	6.7381	90		(40-140)
n-Hexacosane (C26)	3.8	0.0000	3.1044	82		(40-140)
n-Octacosane (C28)	3.8	0.0000	3.0831	81		(40-140)
n-Tricontane (C30)	3.8	0.0000	3.0127	79		(40-140)
n-Dotriacontane (C32)	3.8	0.0000	3.0696	81		(40-140)
n-Tetratriacontane (C34)	3.8	0.0000	3.5713	94		(40-140)
n-Hexatriacontane (C36)	3.8	0.0000	3.9772	105		(40-140)
n-Octatriacontane (C38)	3.8	0.0000	4.3777	115		(40-140)
n-Tetracontane (C40)	3.8	0.0000	4.2178	111		(40-140)

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Earth Engineering Inc.</u>	
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2431</u>	SAS No : <u>Q2431</u> SDG No: <u>Q2431</u>
Sample No :	<u>Q2430-01MSD</u>	Datafile:	<u>FG016161.D</u>	Client ID : <u>MH-E/FMSD</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS QC Limit Of RPD
Aliphatic C28-C40	34.0	5.84	38.3	96		2.38 (40-140) 50
Aliphatic C9-C28	113.3	9.67	89.1	70		2.4 (40-140) 50

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS QC Limit Of RPD
n-Nonane (C9)	3.8	0.0000	2.1361	56		3.51 (40-140) 50
n-Decane (C10)	3.8	0.0000	4.9652	131		2.26 (40-140) 50
Naphthalene (C11.7)	3.8	0.0000	2.6612	70		2.82 (40-140) 50
n-Dodecane (C12)	3.8	0.0000	2.4757	65		3.03 (40-140) 50
2-methylnaphthalene (C12.89)	3.8	0.0000	2.6505	70		1.42 (40-140) 50
n-Tetradecane (C14)	3.8	0.0000	2.6591	70		2.82 (40-140) 50
n-Hexadecane (C16)	3.8	0.0000	2.8776	76		1.31 (40-140) 50
n-Octadecane (C18)	3.8	0.0000	2.9741	78		2.53 (40-140) 50
n-Eicosane (C20)	3.8	0.0000	3.2098	84		2.35 (40-140) 50
n-Heneicosane (C21)	3.8	0.0000	3.1184	82		2.41 (40-140) 50
n-Docosane (C22)	3.8	0.0000	3.1257	82		2.41 (40-140) 50
n-Tetracosane (C24)	7.5	0.0000	6.6060	88		2.25 (40-140) 50
n-Hexacosane (C26)	3.8	0.0000	3.0399	80		2.47 (40-140) 50
n-Octacosane (C28)	3.8	0.0000	3.0225	80		1.24 (40-140) 50
n-Tricontane (C30)	3.8	0.0000	2.9612	78		1.27 (40-140) 50
n-Dotriacontane (C32)	3.8	0.0000	3.0090	79		2.5 (40-140) 50
n-Tetratriacontane (C34)	3.8	0.0000	3.5040	92		2.15 (40-140) 50
n-Hexatriacontane (C36)	3.8	0.0000	3.9169	103		1.92 (40-140) 50
n-Octatriacontane (C38)	3.8	0.0000	4.2700	112		2.64 (40-140) 50
n-Tetracontane (C40)	3.8	0.0000	4.1576	109		1.82 (40-140) 50

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Earth Engineering Inc.</u>	
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2431</u>	SAS No : <u>Q2431</u> SDG No: <u>Q2431</u>
Sample No :	<u>PB168635BS</u>	Datafile:	<u>FG016156.D</u>	Client ID : <u>PB168635BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	30.0	31.2	104		(40-140)
Aliphatic C9-C28	99.9	76.6	77		(40-140)

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
n-Nonane (C9)	3.3	2.43674	74		(40-140)
n-Decane (C10)	3.3	2.54890	77		(40-140)
Naphthalene (C11.7)	3.3	2.85373	86		(40-140)
n-Dodecane (C12)	3.3	2.62522	80		(40-140)
2-methylnaphthalene (C12.89)	3.3	2.75490	83		(40-140)
n-Tetradecane (C14)	3.3	2.65479	80		(40-140)
n-Hexadecane (C16)	3.3	2.62103	79		(40-140)
n-Octadecane (C18)	3.3	2.57761	78		(40-140)
n-Eicosane (C20)	3.3	2.74087	83		(40-140)
n-Heneicosane (C21)	3.3	2.66001	81		(40-140)
n-Docosane (C22)	3.3	2.63888	80		(40-140)
n-Tetracosane (C24)	6.7	5.63772	84		(40-140)
n-Hexacosane (C26)	3.3	2.56850	78		(40-140)
n-Octacosane (C28)	3.3	2.56016	78		(40-140)
n-Tricontane (C30)	3.3	2.52215	76		(40-140)
n-Dotriacontane (C32)	3.3	2.63340	80		(40-140)
n-Tetratriacontane (C34)	3.3	3.16705	96		(40-140)
n-Hexatriacontane (C36)	3.3	3.81077	115		(40-140)
n-Octatriacontane (C38)	3.3	4.57475	139		(40-140)
n-Tetracontane (C40)	3.3	5.07321	154	*	(40-140)

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Earth Engineering Inc.
Lab Code: CHEM **Cas No:** Q2431 **SAS No :** Q2431 **SDG No:** Q2431
Sample No : PB168635BSD **Datafile:** FG016157.D **Client ID :** PB168635BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	30.0	31.4	104		0.7 (40-140)	25
Aliphatic C9-C28	99.9	76.6	77		0.074 (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	2.43244	74		0 (40-140)	25
n-Decane (C10)	3.3	2.54016	77		0 (40-140)	25
Naphthalene (C11.7)	3.3	2.84486	86		0 (40-140)	25
n-Dodecane (C12)	3.3	2.61550	79		1.26 (40-140)	25
2-methylnaphthalene (C12.89)	3.3	2.74452	83		0 (40-140)	25
n-Tetradecane (C14)	3.3	2.64412	80		0 (40-140)	25
n-Hexadecane (C16)	3.3	2.61005	79		0 (40-140)	25
n-Octadecane (C18)	3.3	2.56872	78		0 (40-140)	25
n-Eicosane (C20)	3.3	2.73391	83		0 (40-140)	25
n-Heneicosane (C21)	3.3	2.65335	80		1.24 (40-140)	25
n-Docosane (C22)	3.3	2.63611	80		0 (40-140)	25
n-Tetracosane (C24)	6.7	5.64715	84		0 (40-140)	25
n-Hexacosane (C26)	3.3	2.57932	78		0 (40-140)	25
n-Octacosane (C28)	3.3	2.57728	78		0 (40-140)	25
n-Tricontane (C30)	3.3	2.54777	77		1.31 (40-140)	25
n-Dotriacontane (C32)	3.3	2.65922	81		1.24 (40-140)	25
n-Tetratriacontane (C34)	3.3	3.18645	97		1.04 (40-140)	25
n-Hexatriacontane (C36)	3.3	3.82333	116		0.87 (40-140)	25
n-Octatriacontane (C38)	3.3	4.58786	139		0 (40-140)	25
n-Tetracontane (C40)	3.3	5.08733	154	*	0 (40-140)	25

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168635BL

Lab Name: CHEMTECH

Contract: EARTH03

Lab Code: CHEM Case No.: Q2431

SAS No.: Q2431 SDG NO.: Q2431

Instrument ID: FID_C

Lab Sample ID: PB168635BL

Matrix: (soil/water) Solid

Date Extracted: 6/27/2025 8:30:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB168635BS	PB168635BS
PB168635BSD	PB168635BSD
MH-E/FMS	Q2430-01MS
MH-E/FMSD	Q2430-01MSD
S-1	Q2431-01
S-2	Q2431-02
S-3	Q2431-03
S-4	Q2431-04
S-5	Q2431-05

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BL	SDG No.:	Q2431
Lab Sample ID:	PB168635BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:00	07/03/25 11:39	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FE054685.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FE054685.D
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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BL	SDG No.:	Q2431
Lab Sample ID:	PB168635BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054685.D	1	06/27/25	07/03/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.8		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.2		40 - 140	82%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168635BL	Acq On:	03 Jul 2025 11:39
Client Sample ID:	PB168635BL	Operator:	YP\AJ
Data file:	FE054685.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	3.321	6.950	0	0	300	ug/ml
Aliphatic C12-C16	6.951	10.400	0	0	200	ug/ml
Aliphatic C16-C21	10.401	13.777	0	0	300	ug/ml
Aliphatic C21-C28	13.778	17.447	0	0	400	ug/ml
Aliphatic C28-C40	17.448	22.460	0	0	600	ug/ml
Aliphatic EPH	3.321	22.460	0	0		ug/ml
ortho-Terphenyl (SURR)	12.079	12.079	6685829	41.17		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	5280710	41.81		ug/ml
Aliphatic C9-C28	3.321	17.447	0	0	1200	ug/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BL	SDG No.:	Q2431
Lab Sample ID:	PB168635BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 15:37	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FG016155.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FG016155.D
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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BL	SDG No.:	Q2431
Lab Sample ID:	PB168635BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016155.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.5		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.1		40 - 140	78%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168635BL	Acq On:	27 Jun 2025 15:37
Client Sample ID:	PB168635BL	Operator:	YP\AJ
Data file:	FG016155.D	Misc:	
Instrument:	FID_G	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.316	6.955	0	0	300	ug/ml
Aliphatic C12-C16	6.956	10.413	0	0	200	ug/ml
Aliphatic C16-C21	10.414	13.802	0	0	300	ug/ml
Aliphatic C21-C28	13.803	17.485	0	0	400	ug/ml
Aliphatic C28-C40	17.486	22.536	0	0	600	ug/ml
Aliphatic EPH	3.316	22.536	0	0		ug/ml
ortho-Terphenyl (SURR)	12.094	12.094	5050312	39.14		ug/ml
1-chlorooctadecane (SURR)	13.536	13.536	4079250	40.48		ug/ml
Aliphatic C9-C28	3.316	17.485	0	0	1200	ug/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BS	SDG No.:	Q2431
Lab Sample ID:	PB168635BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:00	07/03/25 12:09	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.6		1	1.18	2.00	mg/kg	FE054686.D
Aliphatic C9-C28	Aliphatic C9-C28	81.0	E	1	0.91	3.99	mg/kg	FE054686.D
Total AliphaticEPH	Total AliphaticEPH	108			2.09	5.99	mg/kg	
Total EPH	Total EPH	108			2.09	5.99	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BS	SDG No.:	Q2431
Lab Sample ID:	PB168635BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054686.D	1	06/27/25	07/03/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	81.0	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.6		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.4		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.5		40 - 140	81%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168635BS	Acq On:	03 Jul 2025 12:09
Client Sample ID:	PB168635BS	Operator:	YP\AJ
Data file:	FE054686.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.950	31856855	234.147	300	ug/ml
Aliphatic C12-C16	6.951	10.400	41395356	294.486	200	ug/ml
Aliphatic C16-C21	10.401	13.777	46667381	323.196	300	ug/ml
Aliphatic C21-C28	13.778	17.447	52817187	365.133	400	ug/ml
Aliphatic C28-C40	17.448	22.460	55402360	399.592	600	ug/ml
Aliphatic EPH	3.321	22.460	228139139	1620		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	6576935	40.5		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	5225380	41.37		ug/ml
Aliphatic C9-C28	3.321	17.447	172736779	1220	1200	ug/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BS	SDG No.:	Q2431
Lab Sample ID:	PB168635BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 16:07	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	31.2		1	1.18	2.00	mg/kg	FG016156.D
Aliphatic C9-C28	Aliphatic C9-C28	76.6		1	0.91	3.99	mg/kg	FG016156.D
Total AliphaticEPH	Total AliphaticEPH	108			2.09	5.99	mg/kg	
Total EPH	Total EPH	108			2.09	5.99	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BS	SDG No.:	Q2431
Lab Sample ID:	PB168635BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016156.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	76.6		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.2		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.5		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.3		40 - 140	79%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168635BS	Acq On:	27 Jun 2025 16:07
Client Sample ID:	PB168635BS	Operator:	YP\AJ
Data file:	FG016156.D	Misc:	
Instrument:	FID_G	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.316	6.955	22361920	204.529	300	ug/ml
Aliphatic C12-C16	6.956	10.413	29343114	262.403	200	ug/ml
Aliphatic C16-C21	10.414	13.802	34773677	303.754	300	ug/ml
Aliphatic C21-C28	13.803	17.485	43506253	380.332	400	ug/ml
Aliphatic C28-C40	17.486	22.536	43077790	468.258	600	ug/ml
Aliphatic EPH	3.316	22.536	173062754	1620		ug/ml
ortho-Terphenyl (SURR)	12.093	12.093	5065625	39.26		ug/ml
1-chlorooctadecane (SURR)	13.536	13.536	4077061	40.46		ug/ml
Aliphatic C9-C28	3.316	17.485	129984964	1150	1200	ug/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BSD	SDG No.:	Q2431
Lab Sample ID:	PB168635BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:00	07/03/25 12:40	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1	1.18	2.00	mg/kg	FE054687.D
Aliphatic C9-C28	Aliphatic C9-C28	81.2	E	1	0.91	3.99	mg/kg	FE054687.D
Total AliphaticEPH	Total AliphaticEPH	108			2.09	5.99	mg/kg	
Total EPH	Total EPH	108			2.09	5.99	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BSD	SDG No.:	Q2431
Lab Sample ID:	PB168635BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054687.D	1	06/27/25	07/03/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	81.2	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.5		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.6		40 - 140	81%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168635BSD	Acq On:	03 Jul 2025 12:40
Client Sample ID:	PB168635BSD	Operator:	YP\AJ
Data file:	FE054687.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.950	31952239	234.848	300	ug/ml
Aliphatic C12-C16	6.951	10.400	41609194	296.007	200	ug/ml
Aliphatic C16-C21	10.401	13.777	46754336	323.798	300	ug/ml
Aliphatic C21-C28	13.778	17.447	52864308	365.459	400	ug/ml
Aliphatic C28-C40	17.448	22.460	55067924	397.179	600	ug/ml
Aliphatic EPH	3.321	22.460	228248001	1620		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	6596610	40.62		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	5238795	41.48		ug/ml
Aliphatic C9-C28	3.321	17.447	173180077	1220	1200	ug/ml



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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BSD	SDG No.:	Q2431
Lab Sample ID:	PB168635BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 16:36	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	31.4		1	1.18	2.00	mg/kg	FG016157.D
Aliphatic C9-C28	Aliphatic C9-C28	76.6		1	0.91	3.99	mg/kg	FG016157.D
Total AliphaticEPH	Total AliphaticEPH	108			2.09	5.99	mg/kg	
Total EPH	Total EPH	108			2.09	5.99	mg/kg	

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	PB168635BSD	SDG No.:	Q2431
Lab Sample ID:	PB168635BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016157.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	76.6		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.4		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.4		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.1		40 - 140	78%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168635BSD	Acq On:	27 Jun 2025 16:36
Client Sample ID:	PB168635BSD	Operator:	YP\AJ
Data file:	FG016157.D	Misc:	
Instrument:	FID_G	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.316	6.955	22284443	203.821	300	ug/ml
Aliphatic C12-C16	6.956	10.413	29227715	261.371	200	ug/ml
Aliphatic C16-C21	10.414	13.802	34694552	303.063	300	ug/ml
Aliphatic C21-C28	13.803	17.485	43657282	381.652	400	ug/ml
Aliphatic C28-C40	17.486	22.536	43323180	470.926	600	ug/ml
Aliphatic EPH	3.316	22.536	173187172	1620		ug/ml
ortho-Terphenyl (SURR)	12.093	12.093	5048432	39.13		ug/ml
1-chlorooctadecane (SURR)	13.536	13.536	4067682	40.37		ug/ml
Aliphatic C9-C28	3.316	17.485	129863992	1150	1200	ug/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	MH-E/FMS	SDG No.:	Q2431
Lab Sample ID:	Q2430-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 18:05	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	39.1		1	1.34	2.26	mg/kg	FG016160.D
Aliphatic C9-C28	Aliphatic C9-C28	91.0	E	1	1.03	4.53	mg/kg	FG016160.D
Total AliphaticEPH	Total AliphaticEPH	130			2.37	6.79	mg/kg	
Total EPH	Total EPH	130			2.37	6.79	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:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	MH-E/FMS	SDG No.:	Q2431
Lab Sample ID:	Q2430-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 18:05	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	39.1		1	1.34	2.26	mg/kg	FG016160.D
Aliphatic C9-C28	Aliphatic C9-C28	91.0	E	1	1.03	4.53	mg/kg	FG016160.D
Total AliphaticEPH	Total AliphaticEPH	130			2.37	6.79	mg/kg	
Total EPH	Total EPH	130			2.37	6.79	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:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	MH-E/FMS	SDG No.:	Q2431
Lab Sample ID:	Q2430-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016160.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	91.0	E	1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	39.1		1.34	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.7		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.1		40 - 140	64%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2430-01MS	Acq On:	27 Jun 2025 18:05
Client Sample ID:	Q2430-01MS	Operator:	YP\AJ
Data file:	FG016160.D	Misc:	
Instrument:	FID_G	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.316	6.955	23922255	218.801	300	ug/ml
Aliphatic C12-C16	6.956	10.413	28002403	250.414	200	ug/ml
Aliphatic C16-C21	10.414	13.802	37290163	325.736	300	ug/ml
Aliphatic C21-C28	13.803	17.485	46989203	410.78	400	ug/ml
Aliphatic C28-C40	17.486	22.536	47679276	518.277	600	ug/ml
Aliphatic EPH	3.316	22.536	183883300	1720		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	4148176	32.15		ug/ml
1-chlorooctadecane (SURR)	13.535	13.535	3392723	33.67		ug/ml
Aliphatic C9-C28	3.316	17.485	136204024	1210	1200	ug/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	MH-E/FMSD	SDG No.:	Q2431
Lab Sample ID:	Q2430-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 18:35	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	38.3		1	1.34	2.26	mg/kg	FG016161.D
Aliphatic C9-C28	Aliphatic C9-C28	89.1		1	1.03	4.53	mg/kg	FG016161.D
Total AliphaticEPH	Total AliphaticEPH	127			2.37	6.79	mg/kg	
Total EPH	Total EPH	127			2.37	6.79	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:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	MH-E/FMSD	SDG No.:	Q2431
Lab Sample ID:	Q2430-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 18:35	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	38.3		1	1.34	2.26	mg/kg	FG016161.D
Aliphatic C9-C28	Aliphatic C9-C28	89.1		1	1.03	4.53	mg/kg	FG016161.D
Total AliphaticEPH	Total AliphaticEPH	127			2.37	6.79	mg/kg	
Total EPH	Total EPH	127			2.37	6.79	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:	Earth Engineering Inc.	Date Collected:	
Project:	1710 N4 Ave	Date Received:	
Client Sample ID:	MH-E/FMSD	SDG No.:	Q2431
Lab Sample ID:	Q2430-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016161.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	89.1		1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	38.3		1.34	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.9		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.5		40 - 140	63%	SPK: 50



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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2430-01MSD	Acq On:	27 Jun 2025 18:35
Client Sample ID:	Q2430-01MSD	Operator:	YP\AJ
Data file:	FG016161.D	Misc:	
Instrument:	FID_G	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.316	6.955	23296892	213.081	300	ug/ml
Aliphatic C12-C16	6.956	10.413	27368122	244.741	200	ug/ml
Aliphatic C16-C21	10.414	13.802	36491384	318.759	300	ug/ml
Aliphatic C21-C28	13.803	17.485	46014504	402.259	400	ug/ml
Aliphatic C28-C40	17.486	22.536	46659241	507.189	600	ug/ml
Aliphatic EPH	3.316	22.536	179830143	1690		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	4059736	31.46		ug/ml
1-chlorooctadecane (SURR)	13.536	13.536	3319291	32.94		ug/ml
Aliphatic C9-C28	3.316	17.485	133170902	1180	1200	ug/ml



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC061825AL

AreaCount

Parameter Range	FC069221.D	FC069222.D	FC069223.D	FC069224.D	FC069225.D	
Aliphatic C9-C12	42176071.000	20640977.000	8581963.000	4632454.000	2366353.000	
Aliphatic C12-C16	29735945.000	14914656.000	6266673.000	3402693.000	1714249.000	
Aliphatic C16-C21	42009240.000	21363842.000	9096606.000	5044763.000	2549195.000	
Aliphatic C21-C28	49153709.000	24681333.000	10474538.000	5764217.000	2970075.000	
Aliphatic C28-C40	51466619.000	25624553.000	10688039.000	5834277.000	3093728.000	
Aliphatic EPH	214541584.000	107225361.000	45107819.000	24678404.000	12693600.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	146679.6266662	6.053				
Aliphatic C12-C16	159210.532	6.932				
Aliphatic C16-C21	154434.3226664	9.092				
Aliphatic C21-C28	133966.3675	8.814				
Aliphatic C28-C40	92124.4166662	8.439				
Aliphatic EPH	128354.1601108	7.942				

Concentration

Parameter Range	FC069221.D	FC069222.D	FC069223.D	FC069224.D	FC069225.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	FC069221.D	FC069222.D	FC069223.D	FC069224.D	FC069225.D	
Aliphatic C9-C12	140586.903333	137606.513333	143032.716666	154415.133333	157756.866666	
Aliphatic C12-C16	148679.725000	149146.560000	156666.825000	170134.650000	171424.900000	
Aliphatic C16-C21	140030.800000	142425.613333	151610.100000	168158.766666	169946.333333	

Initial Calibration Report for SequenceID : FC061825AL

Aliphatic C21-C28	122884.272500	123406.665000	130931.725000	144105.425000	148503.750000	
Aliphatic C28-C40	85777.698333	85415.176666	89066.991666	97237.950000	103124.266666	
Aliphatic EPH	119189.768888	119139.290000	125299.497222	137102.244444	141040.000000	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069221.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 11:17
 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: Jun 18 13:03:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 13:00:39 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)	11.693	15986001	97.180 ug/ml
Spiked Amount 50.000		Recovery =	194.36%
12) S 1-chlorooctadecane (S...	13.126	11916196	96.429 ug/ml
Spiked Amount 50.000		Recovery =	192.86%
Target Compounds			
1) T n-Nonane (C9)	3.414	13645652	99.307 ug/ml
2) T n-Decane (C10)	4.488	14045970	99.234 ug/ml
3) T A~Naphthalene (C11.7)	6.084	15351850	98.877 ug/ml
4) T n-Dodecane (C12)	6.515	14484449	98.886 ug/ml
5) T A~2-methylnaphthalene...	7.146	15098330	98.803 ug/ml
6) T n-Tetradecane (C14)	8.315	14646111	97.954 ug/ml
7) T n-Hexadecane (C16)	9.922	15089834	96.838 ug/ml
8) T n-Octadecane (C18)	11.369	14862064	96.162 ug/ml
10) T n-Eicosane (C20)	12.680	13798752	95.895 ug/ml
11) T n-Heneicosane (C21)	13.294	13348424	96.021 ug/ml
13) T n-Docosane (C22)	13.881	13057210	96.175 ug/ml
14) T n-Tetracosane (C24)	14.986	12613064	96.664 ug/ml
15) T n-Hexacosane (C26)	16.008	12075116	97.240 ug/ml
16) T n-Octacosane (C28)	16.960	11408319	97.337 ug/ml
17) T n-Tricontane (C30)	17.849	10984628	97.402 ug/ml
18) T n-Dotriacontane (C32)	18.683	10087033	97.565 ug/ml
19) T n-Tetratriacontane (C34)	19.468	8976674	97.988 ug/ml
20) T n-Hexatriacontane (C36)	20.209	7711070	98.564 ug/ml
21) T n-Octatriacontane (C38)	20.980	7003730	98.486 ug/ml
22) T n-Tetracontane (C40)	21.951	6703484	99.440 ug/ml

(f)=RT Delta > 1/2 Window

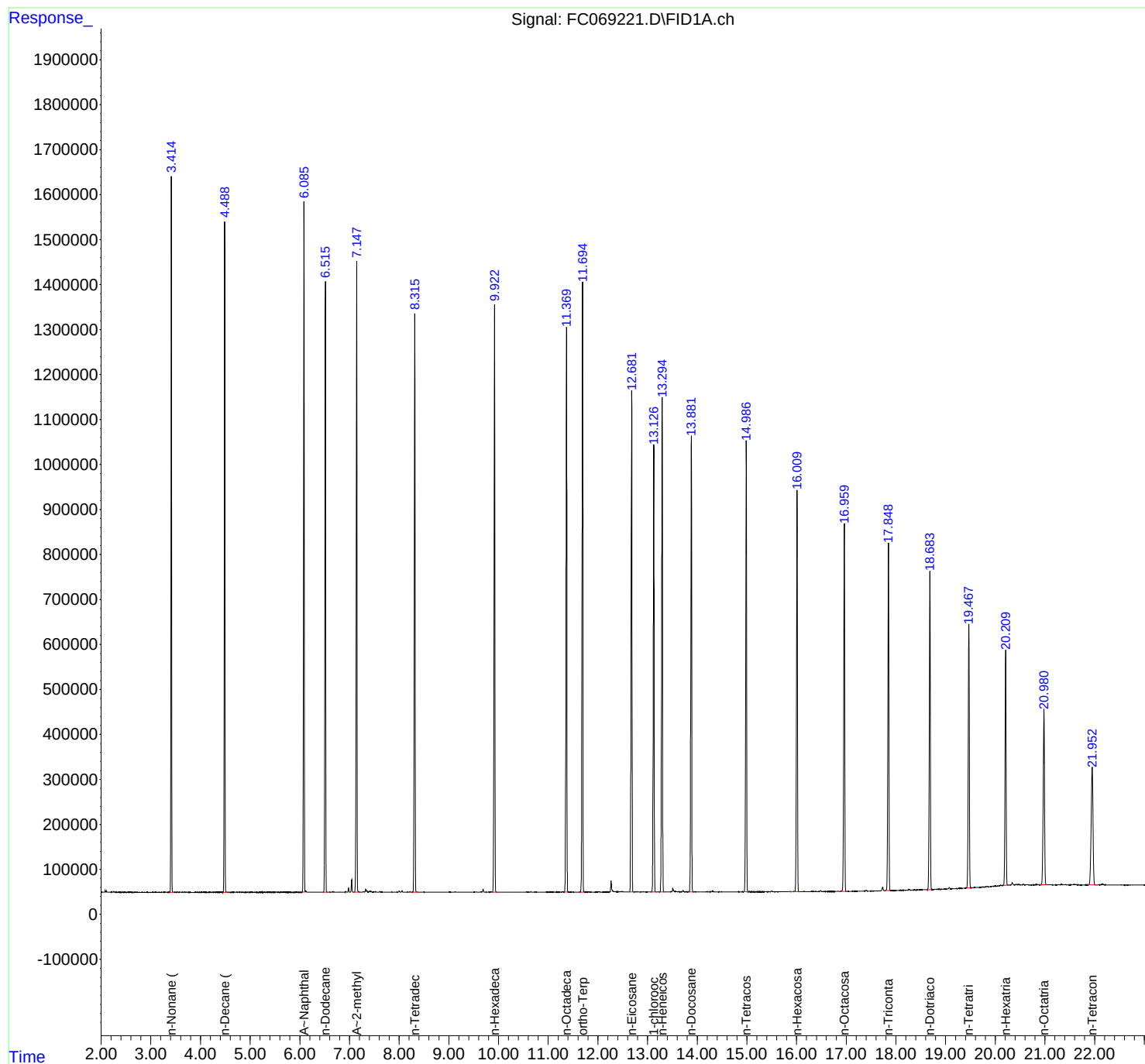
(m)=manual int.

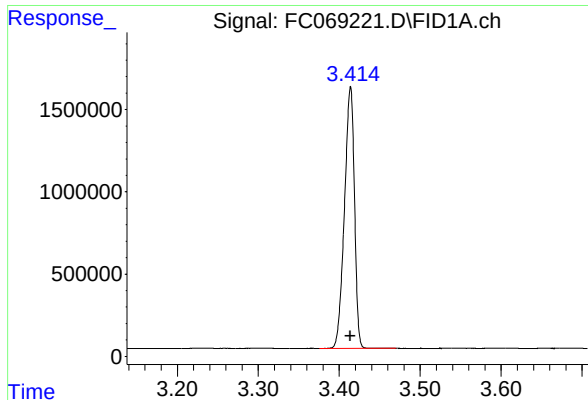
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069221.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 11:17
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jun 18 13:03:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 13:00:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

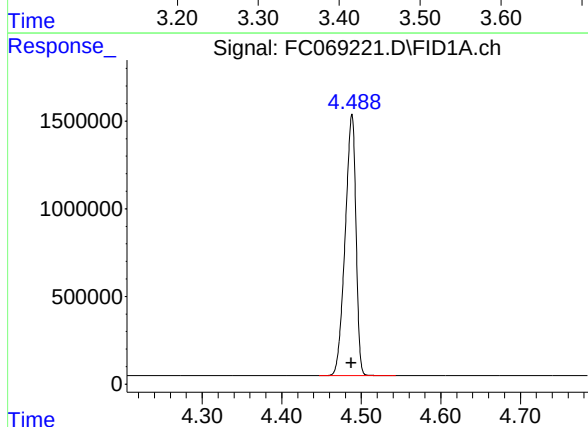




#1 n-Nonane (C9)

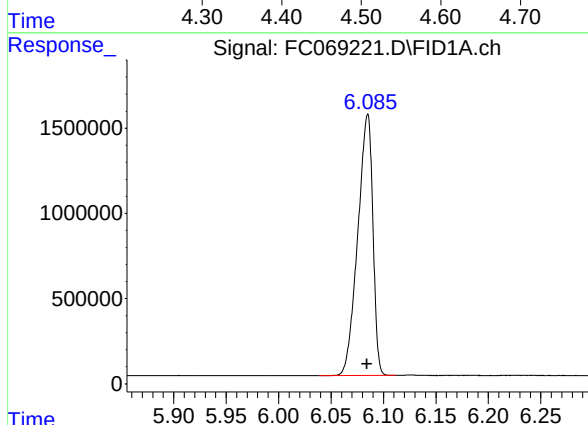
R.T.: 3.414 min
Delta R.T.: 0.000 min
Response: 13645652
Conc: 99.31 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



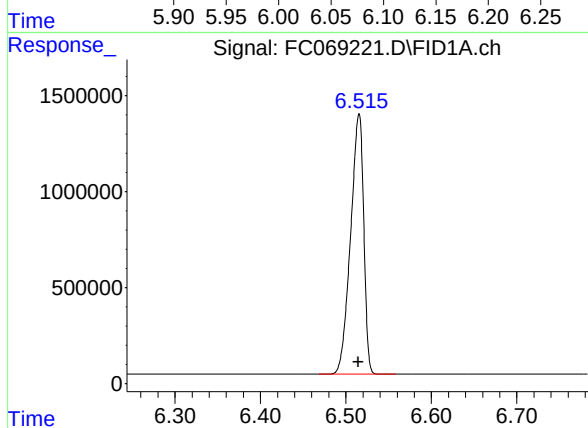
#2 n-Decane (C10)

R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 14045970
Conc: 99.23 ug/ml



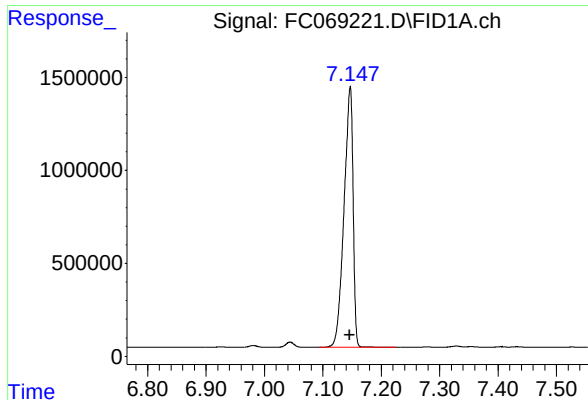
#3 A~Naphthalene (C11.7)

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 15351850
Conc: 98.88 ug/ml



#4 n-Dodecane (C12)

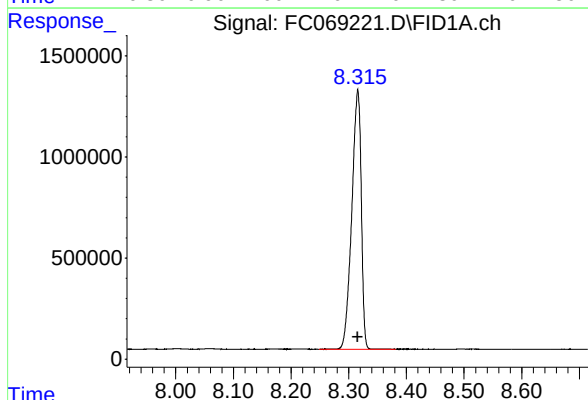
R.T.: 6.515 min
Delta R.T.: 0.000 min
Response: 14484449
Conc: 98.89 ug/ml



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

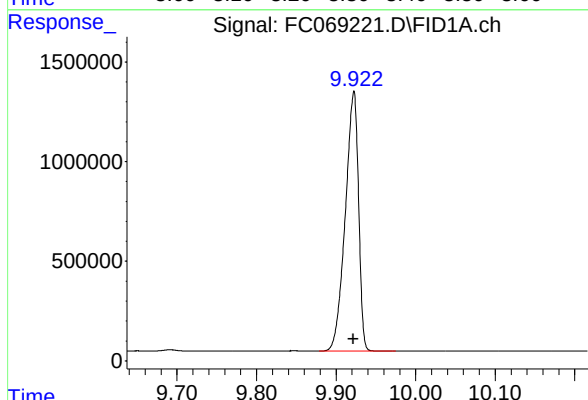
R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 15098330
Conc: 98.80 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



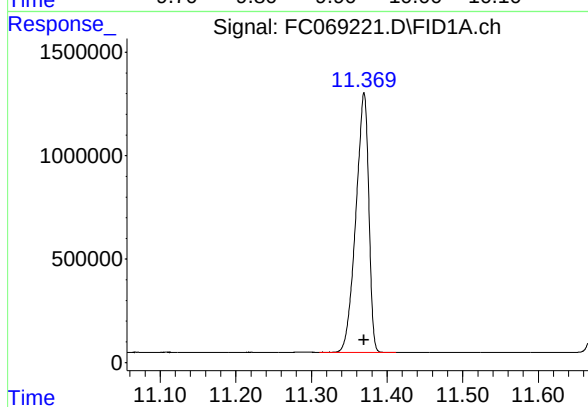
#6 n-Tetradecane (C14)

R.T.: 8.315 min
Delta R.T.: 0.000 min
Response: 14646111
Conc: 97.95 ug/ml



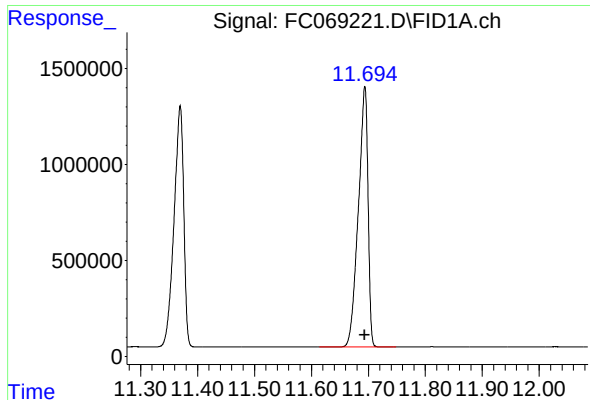
#7 n-Hexadecane (C16)

R.T.: 9.922 min
Delta R.T.: 0.000 min
Response: 15089834
Conc: 96.84 ug/ml



#8 n-Octadecane (C18)

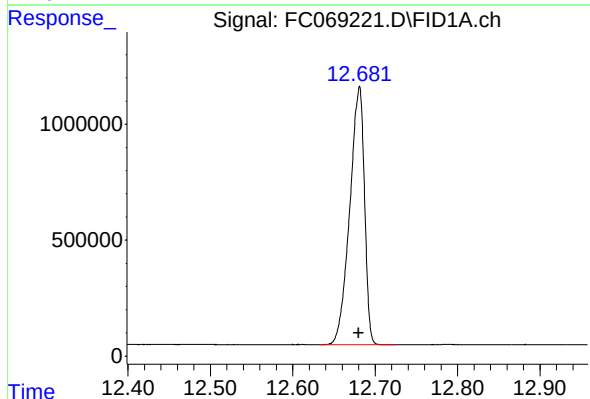
R.T.: 11.369 min
Delta R.T.: 0.000 min
Response: 14862064
Conc: 96.16 ug/ml



#9 ortho-Terphenyl (SURR)

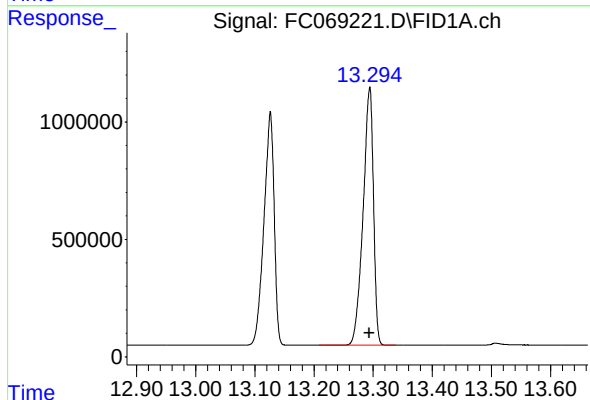
R.T.: 11.693 min
Delta R.T.: 0.000 min
Response: 15986001
Conc: 97.18 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



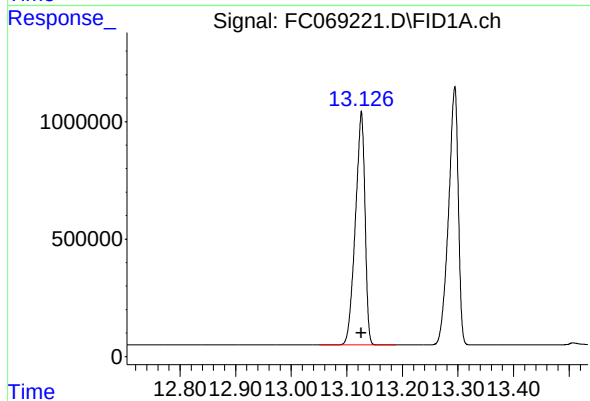
#10 n-Eicosane (C20)

R.T.: 12.680 min
Delta R.T.: 0.000 min
Response: 13798752
Conc: 95.90 ug/ml



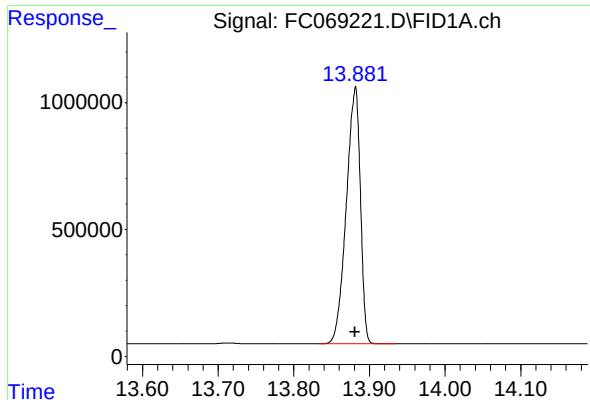
#11 n-Heneicosane (C21)

R.T.: 13.294 min
Delta R.T.: 0.000 min
Response: 13348424
Conc: 96.02 ug/ml



#12 1-chlorooctadecane (SURR)

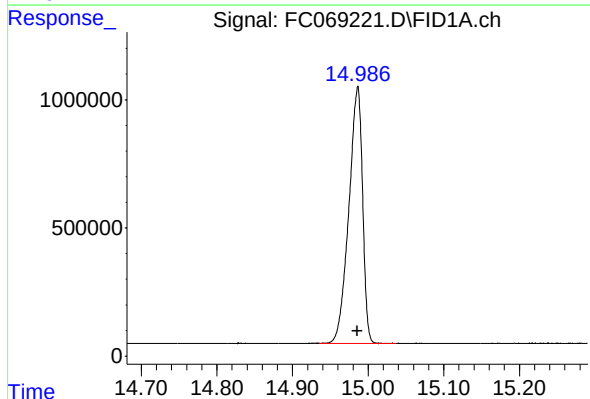
R.T.: 13.126 min
Delta R.T.: 0.000 min
Response: 11916196
Conc: 96.43 ug/ml



#13 n-Docosane (C22)

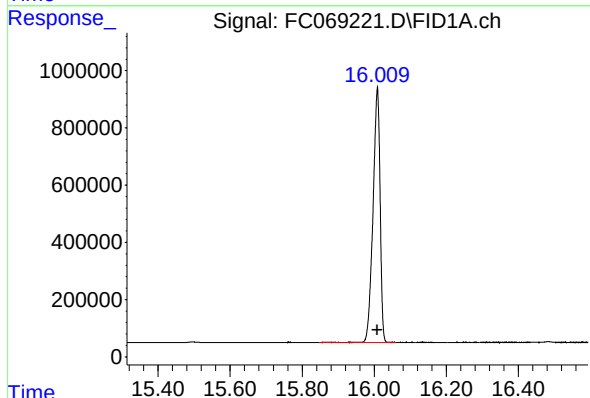
R.T.: 13.881 min
Delta R.T.: 0.000 min
Response: 13057210
Conc: 96.17 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



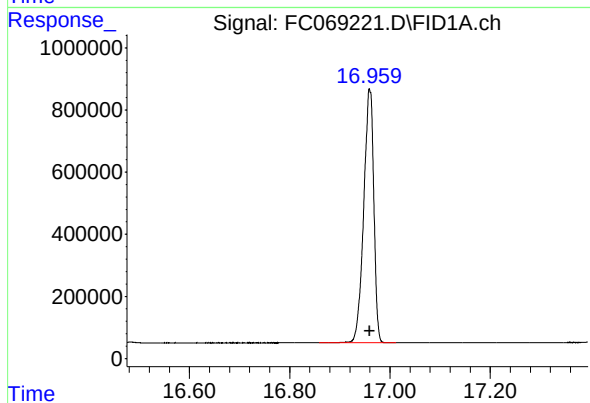
#14 n-Tetracosane (C24)

R.T.: 14.986 min
Delta R.T.: 0.000 min
Response: 12613064
Conc: 96.66 ug/ml



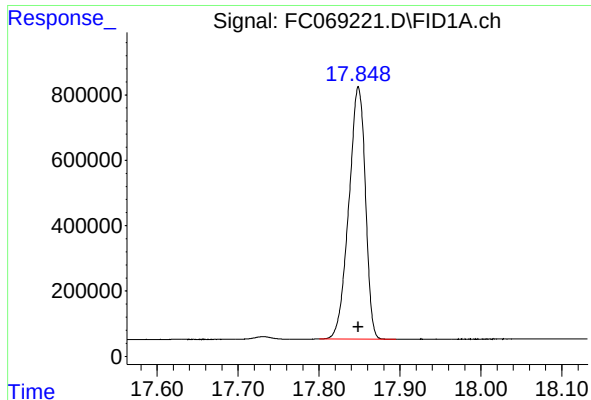
#15 n-Hexacosane (C26)

R.T.: 16.008 min
Delta R.T.: 0.000 min
Response: 12075116
Conc: 97.24 ug/ml



#16 n-Octacosane (C28)

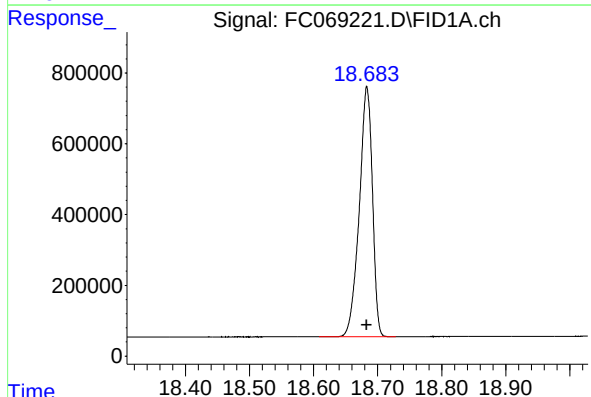
R.T.: 16.960 min
Delta R.T.: 0.000 min
Response: 11408319
Conc: 97.34 ug/ml



#17 n-Tricontane (C30)

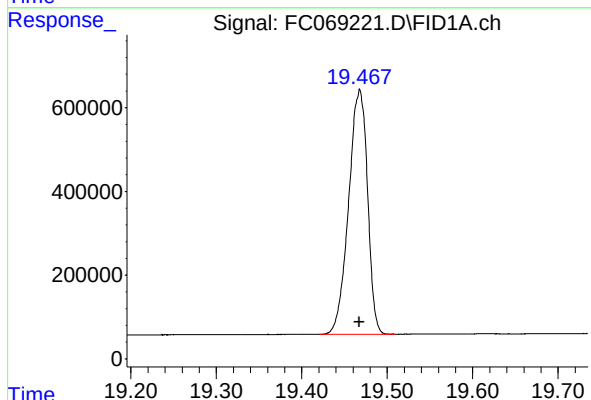
R.T.: 17.849 min
Delta R.T.: 0.000 min
Response: 10984628
Conc: 97.40 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



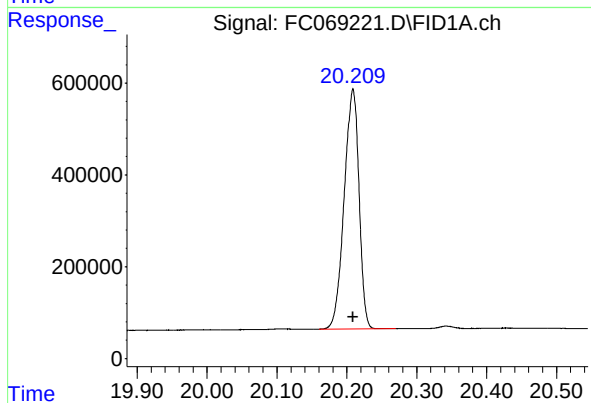
#18 n-Dotriacontane (C32)

R.T.: 18.683 min
Delta R.T.: 0.000 min
Response: 10087033
Conc: 97.56 ug/ml



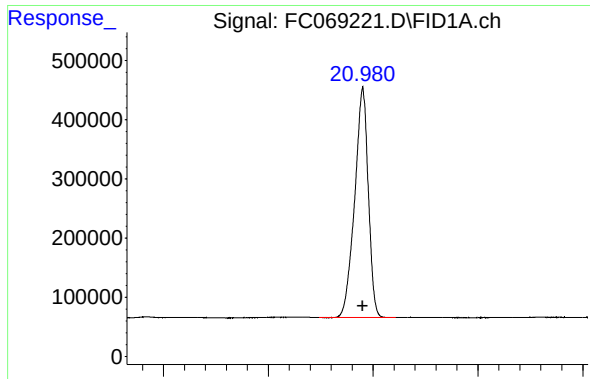
#19 n-Tetatriacontane (C34)

R.T.: 19.468 min
Delta R.T.: 0.000 min
Response: 8976674
Conc: 97.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.209 min
Delta R.T.: 0.000 min
Response: 7711070
Conc: 98.56 ug/ml



#21 n-Octatriacontane (C38)

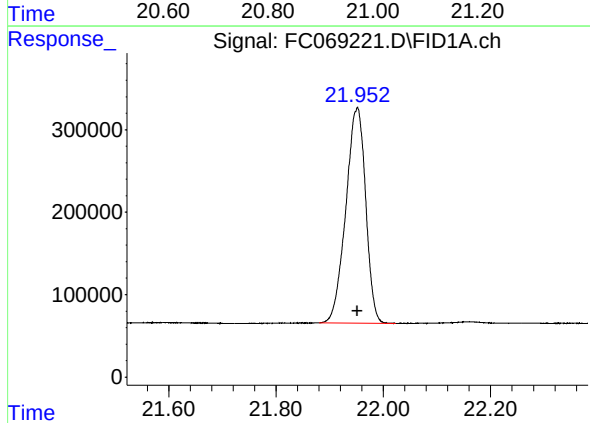
R.T.: 20.980 min
Delta R.T.: 0.000 min
Response: 7003730
Conc: 98.49 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.951 min
Delta R.T.: 0.000 min
Response: 6703484
Conc: 99.44 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069221.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 11:17
 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 061825.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	3.414	3.375	3.470	BB	1589425	13645652	85.36%	5.000%
2	4.488	4.447	4.543	BB	1501566	14045970	87.86%	5.147%
3	6.084	6.038	6.112	BV	1547258	15351850	96.03%	5.626%
4	6.515	6.468	6.558	BB	1360162	14484449	90.61%	5.308%
5	7.146	7.093	7.225	BB	1411463	15098330	94.45%	5.533%
6	8.315	8.248	8.382	BB	1279328	14646111	91.62%	5.367%
7	9.922	9.878	9.975	BB	1299249	15089834	94.39%	5.530%
8	11.369	11.310	11.412	BB	1250407	14862064	92.97%	5.446%
9	11.693	11.613	11.748	BB	1361720	15986001	100.00%	5.858%
10	12.680	12.632	12.725	BB	1105551	13798752	86.32%	5.056%
11	13.126	13.050	13.188	BB	986163	11916196	74.54%	4.367%
12	13.294	13.208	13.338	BB	1091366	13348424	83.50%	4.891%
13	13.881	13.833	13.935	BB	997311	13057210	81.68%	4.785%
14	14.986	14.935	15.037	BB	992019	12613064	78.90%	4.622%
15	16.008	15.847	16.060	BB	889459	12075116	75.54%	4.425%
16	16.960	16.858	17.012	BB	811298	11408319	71.36%	4.180%
17	17.849	17.800	17.895	BB	772421	10984628	68.71%	4.025%
18	18.683	18.608	18.728	BB	706729	10087033	63.10%	3.696%
19	19.468	19.420	19.510	BB	581252	8976674	56.15%	3.289%
20	20.209	20.160	20.270	BB	522339	7711070	48.24%	2.826%
21	20.980	20.897	21.043	BB	389701	7003730	43.81%	2.566%
22	21.951	21.880	22.023	BB	262169	6703484	41.93%	2.456%
Sum of corrected areas:						272893962		

Aliphatic EPH 061825.M Wed Jun 18 14:39:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069222.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 11:58
 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: Jun 18 13:04:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 13:00:39 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)	11.686	8035113	49.225 ug/ml
Spiked Amount 50.000		Recovery =	98.45%
12) S 1-chlorooctadecane (S...	13.120	6029490	49.188 ug/ml
Spiked Amount 50.000		Recovery =	98.38%
Target Compounds			
1) T n-Nonane (C9)	3.410	6643725	48.888 ug/ml
2) T n-Decane (C10)	4.483	6866535	48.998 ug/ml
3) T A~Naphthalene (C11.7)	6.079	7502425	48.868 ug/ml
4) T n-Dodecane (C12)	6.510	7130717	49.113 ug/ml
5) T A~2-methylnaphthalene...	7.140	7422117	49.038 ug/ml
6) T n-Tetradecane (C14)	8.310	7295732	49.190 ug/ml
7) T n-Hexadecane (C16)	9.916	7618924	49.257 ug/ml
8) T n-Octadecane (C18)	11.362	7565304	49.295 ug/ml
10) T n-Eicosane (C20)	12.673	7024996	49.208 ug/ml
11) T n-Heneicosane (C21)	13.287	6773542	49.143 ug/ml
13) T n-Docosane (C22)	13.874	6604673	49.090 ug/ml
14) T n-Tetracosane (C24)	14.980	6337022	49.034 ug/ml
15) T n-Hexacosane (C26)	16.002	6031220	49.037 ug/ml
16) T n-Octacosane (C28)	16.954	5708418	49.129 ug/ml
17) T n-Tricontane (C30)	17.843	5495136	49.144 ug/ml
18) T n-Dotriacontane (C32)	18.677	5055272	49.259 ug/ml
19) T n-Tetratriacontane (C34)	19.461	4482554	49.282 ug/ml
20) T n-Hexatriacontane (C36)	20.203	3834019	49.334 ug/ml
21) T n-Octatriacontane (C38)	20.973	3467597	49.167 ug/ml
22) T n-Tetracontane (C40)	21.942	3289975	49.196 ug/ml

(f)=RT Delta > 1/2 Window

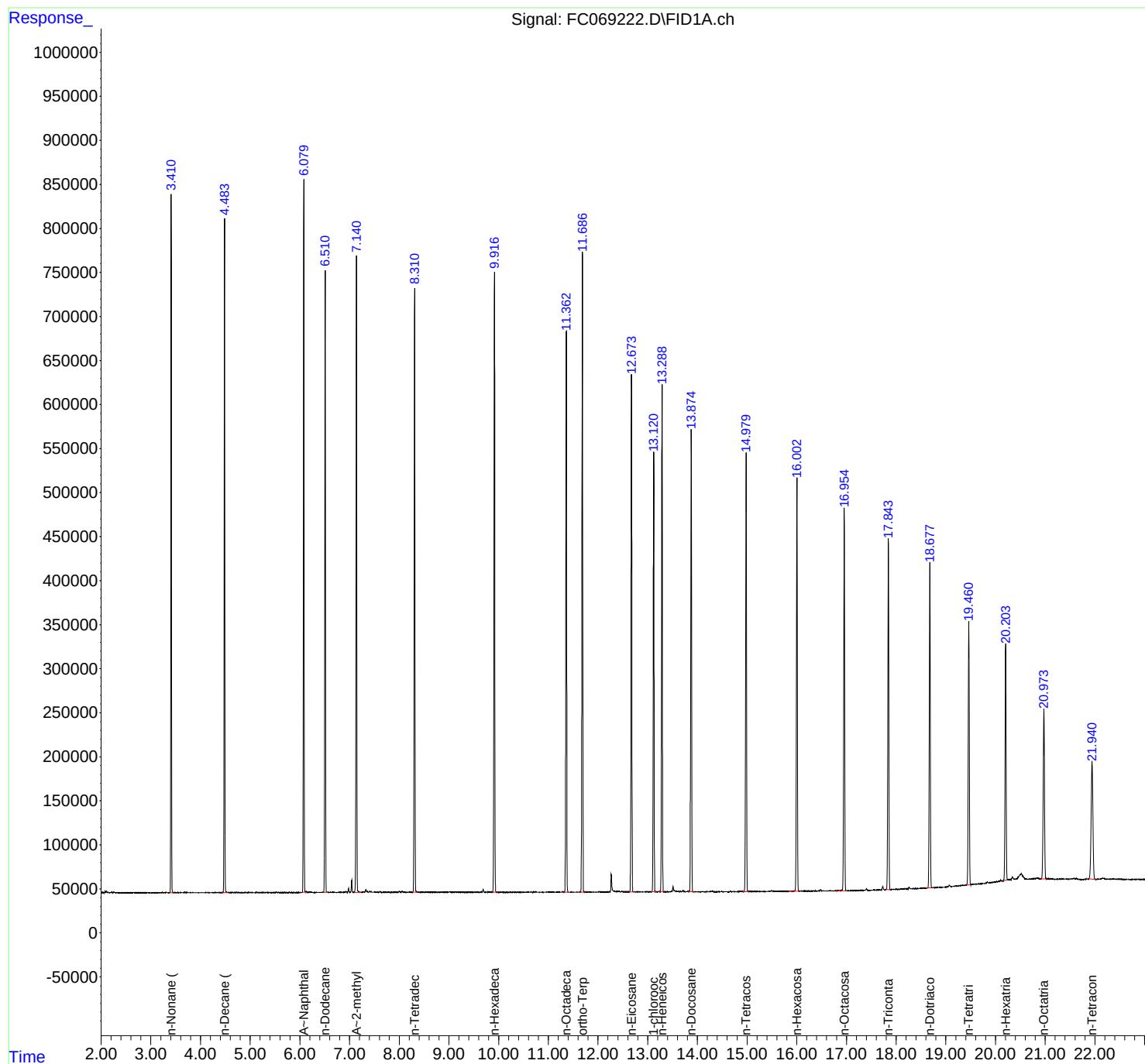
(m)=manual int.

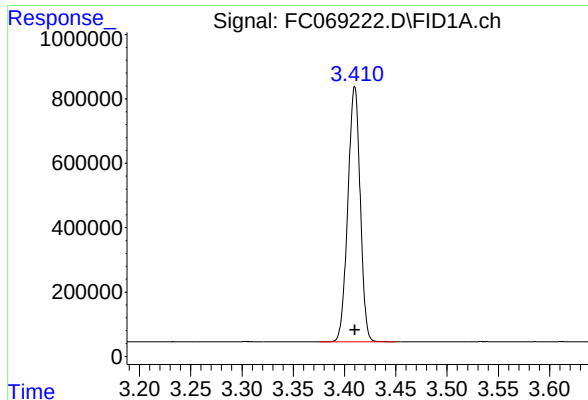
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069222.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 11:58
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Jun 18 13:04:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 13:00:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

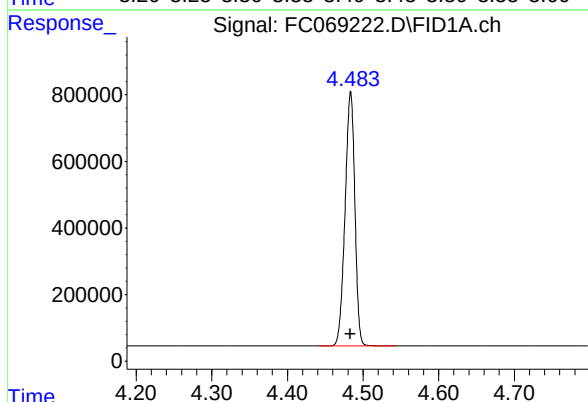




#1 n-Nonane (C9)

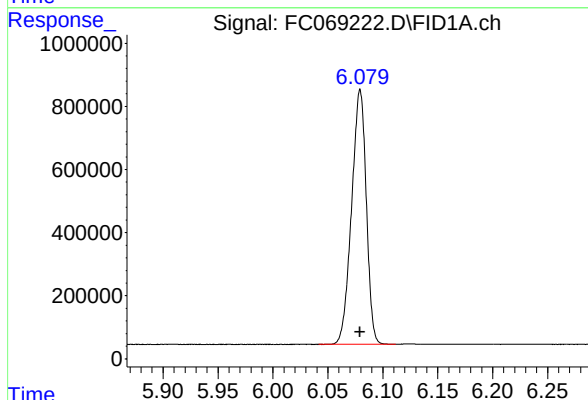
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 6643725
Conc: 48.89 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



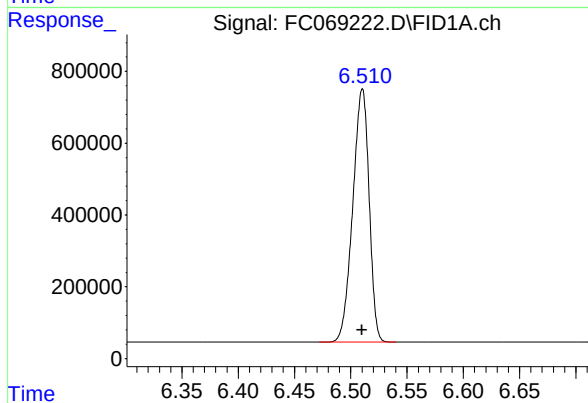
#2 n-Decane (C10)

R.T.: 4.483 min
Delta R.T.: 0.000 min
Response: 6866535
Conc: 49.00 ug/ml



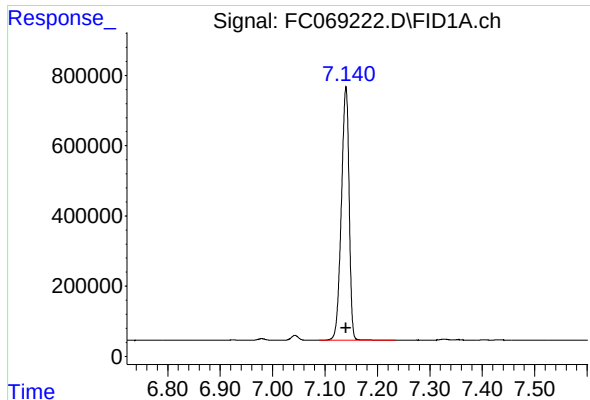
#3 A~Naphthalene (C11.7)

R.T.: 6.079 min
Delta R.T.: 0.000 min
Response: 7502425
Conc: 48.87 ug/ml



#4 n-Dodecane (C12)

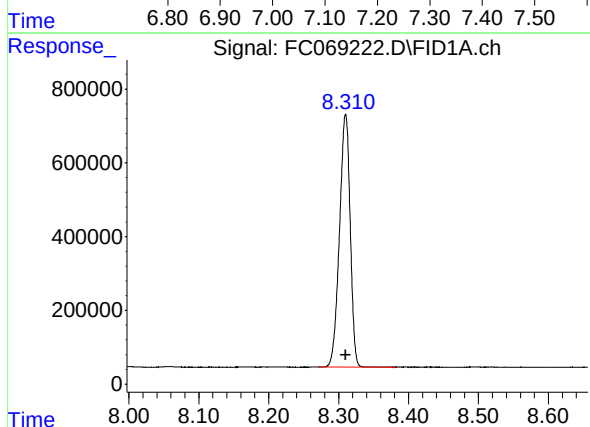
R.T.: 6.510 min
Delta R.T.: 0.000 min
Response: 7130717
Conc: 49.11 ug/ml



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

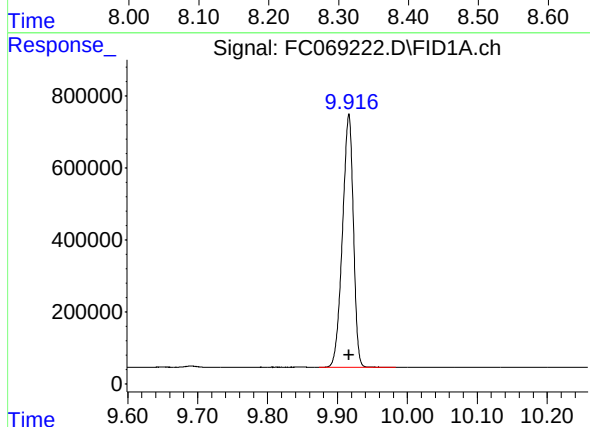
R.T.: 7.140 min
Delta R.T.: 0.000 min
Response: 7422117
Conc: 49.04 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



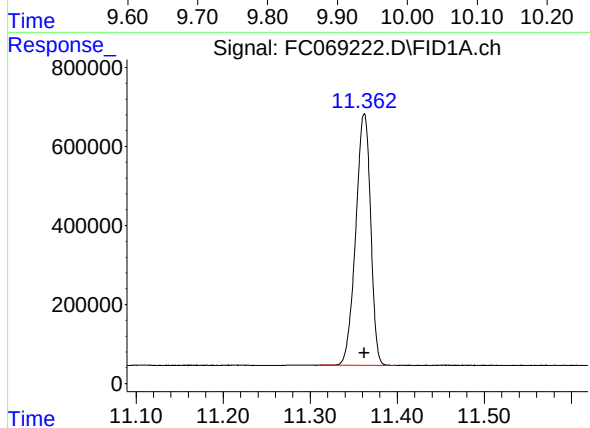
#6 n-Tetradecane (C14)

R.T.: 8.310 min
Delta R.T.: 0.000 min
Response: 7295732
Conc: 49.19 ug/ml



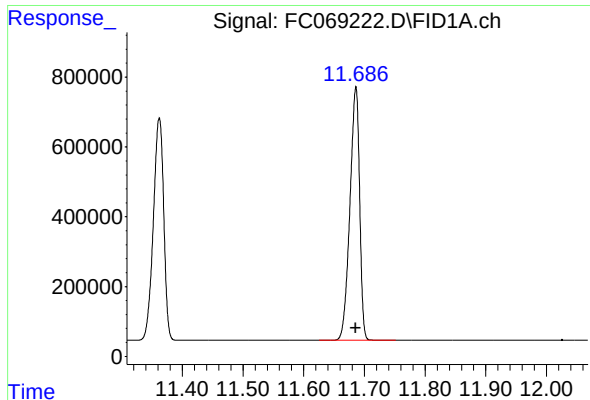
#7 n-Hexadecane (C16)

R.T.: 9.916 min
Delta R.T.: 0.000 min
Response: 7618924
Conc: 49.26 ug/ml



#8 n-Octadecane (C18)

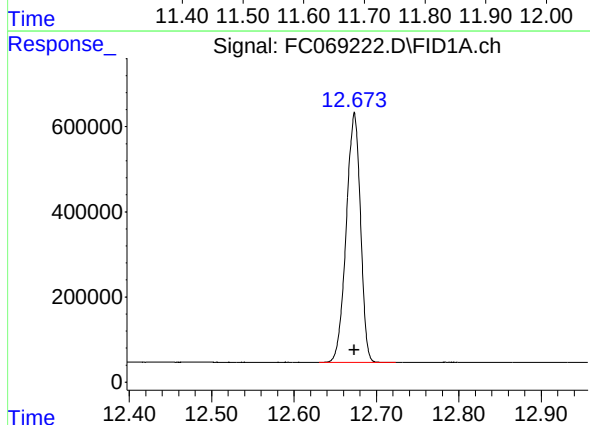
R.T.: 11.362 min
Delta R.T.: 0.000 min
Response: 7565304
Conc: 49.29 ug/ml



#9 ortho-Terphenyl (SURR)

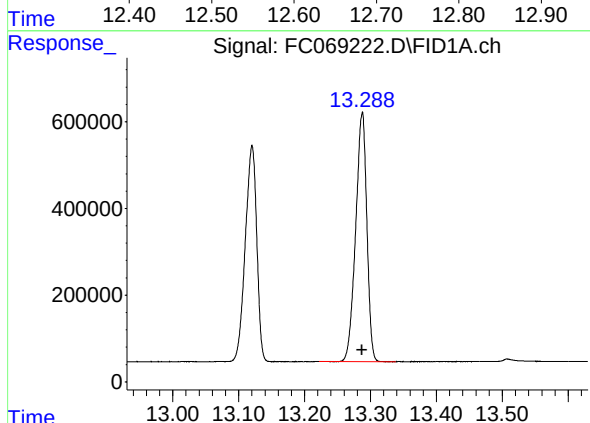
R.T.: 11.686 min
Delta R.T.: 0.000 min
Response: 8035113
Conc: 49.22 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



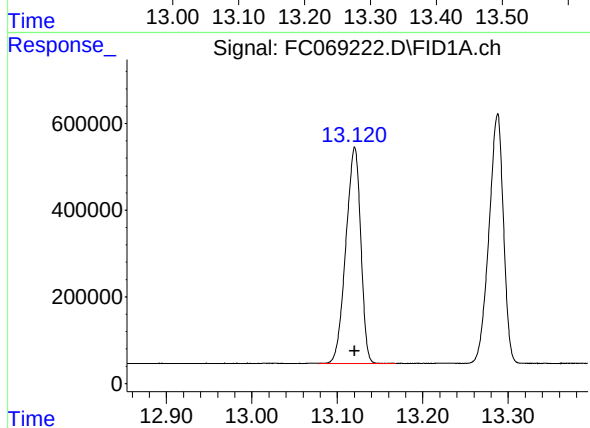
#10 n-Eicosane (C20)

R.T.: 12.673 min
Delta R.T.: 0.000 min
Response: 7024996
Conc: 49.21 ug/ml



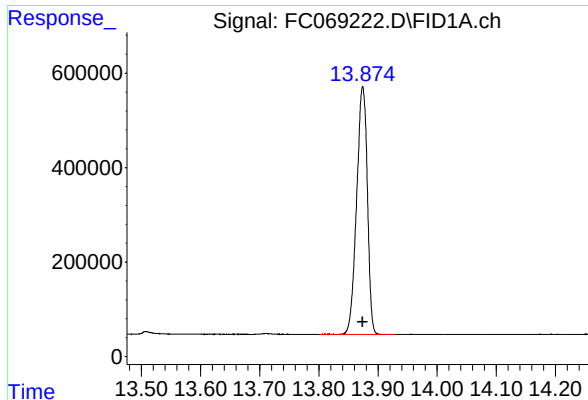
#11 n-Heneicosane (C21)

R.T.: 13.287 min
Delta R.T.: 0.000 min
Response: 6773542
Conc: 49.14 ug/ml



#12 1-chlorooctadecane (SURR)

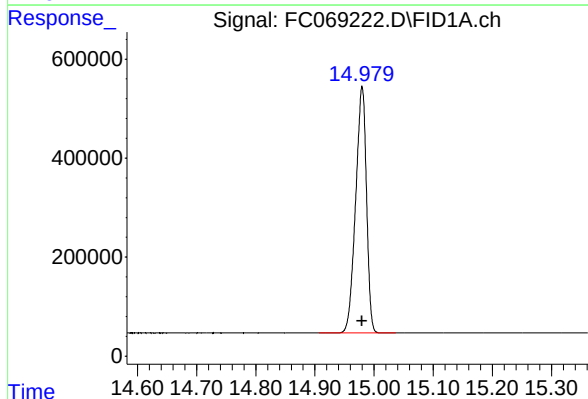
R.T.: 13.120 min
Delta R.T.: 0.000 min
Response: 6029490
Conc: 49.19 ug/ml



#13 n-Docosane (C22)

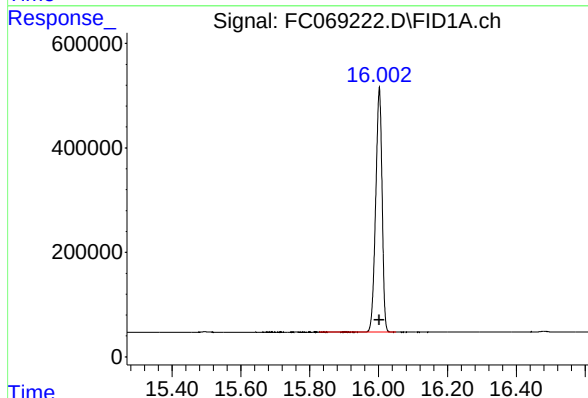
R.T.: 13.874 min
Delta R.T.: 0.000 min
Response: 6604673
Conc: 49.09 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



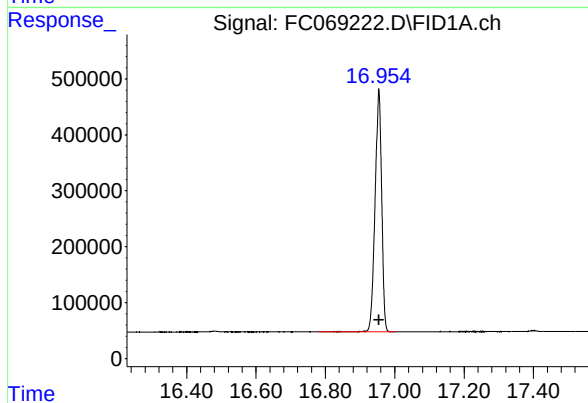
#14 n-Tetracosane (C24)

R.T.: 14.980 min
Delta R.T.: 0.000 min
Response: 6337022
Conc: 49.03 ug/ml



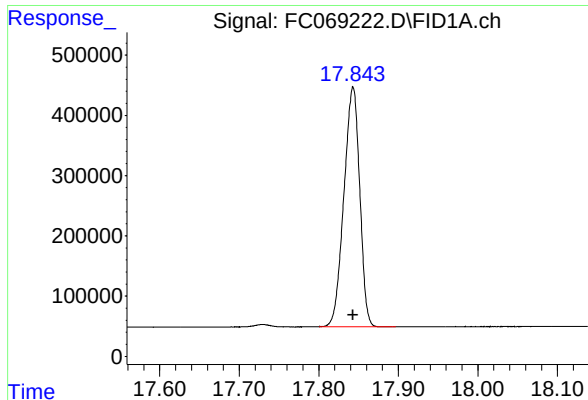
#15 n-Hexacosane (C26)

R.T.: 16.002 min
Delta R.T.: 0.000 min
Response: 6031220
Conc: 49.04 ug/ml



#16 n-Octacosane (C28)

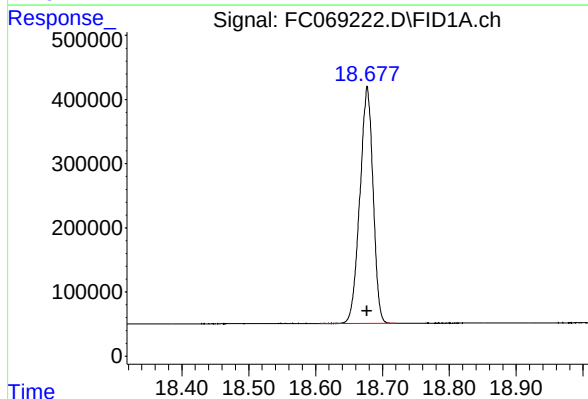
R.T.: 16.954 min
Delta R.T.: 0.000 min
Response: 5708418
Conc: 49.13 ug/ml



#17 n-Tricontane (C30)

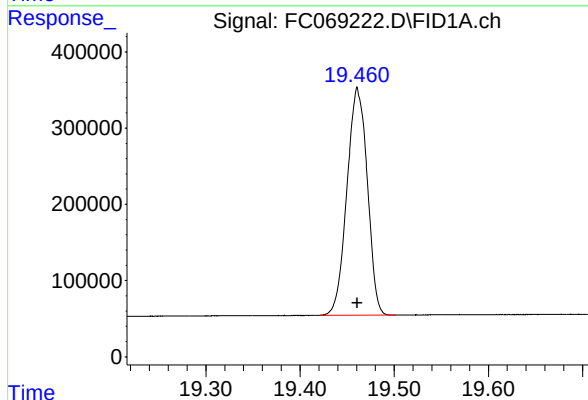
R.T.: 17.843 min
Delta R.T.: 0.000 min
Response: 5495136
Conc: 49.14 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



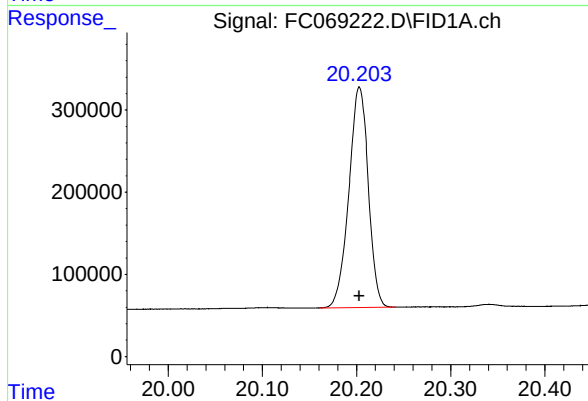
#18 n-Dotriacontane (C32)

R.T.: 18.677 min
Delta R.T.: 0.000 min
Response: 5055272
Conc: 49.26 ug/ml



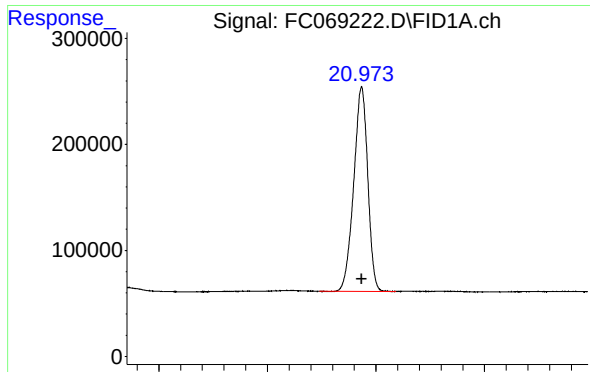
#19 n-Tetratriacontane (C34)

R.T.: 19.461 min
Delta R.T.: 0.000 min
Response: 4482554
Conc: 49.28 ug/ml



#20 n-Hexatriacontane (C36)

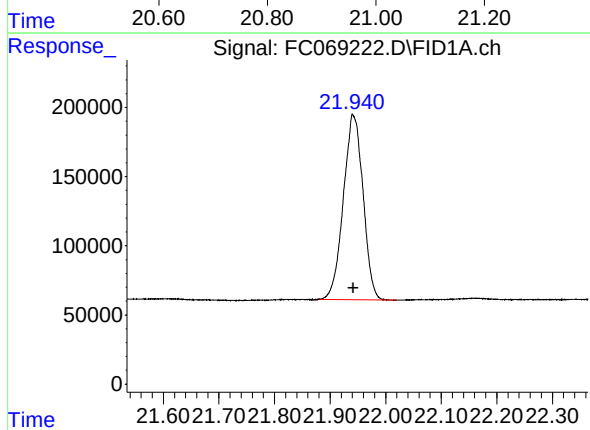
R.T.: 20.203 min
Delta R.T.: 0.000 min
Response: 3834019
Conc: 49.33 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.973 min
Delta R.T.: 0.000 min
Response: 3467597
Conc: 49.17 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.942 min
Delta R.T.: 0.000 min
Response: 3289975
Conc: 49.20 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069222.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 11:58
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 061825.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	3.410	3.375	3.450	BB	795544	6643725	82.68%	4.877%
2	4.483	4.442	4.544	BB	766141	6866535	85.46%	5.041%
3	6.079	6.042	6.112	BV	806752	7502425	93.37%	5.508%
4	6.510	6.472	6.540	BB	707214	7130717	88.74%	5.235%
5	7.140	7.089	7.235	BB	725635	7422117	92.37%	5.449%
6	8.310	8.272	8.382	BB	687407	7295732	90.80%	5.356%
7	9.916	9.874	9.984	BB	709129	7618924	94.82%	5.593%
8	11.362	11.310	11.399	BB	636170	7565304	94.15%	5.554%
9	11.686	11.625	11.752	BB	723509	8035113	100.00%	5.899%
10	12.673	12.630	12.724	BB	588442	7024996	87.43%	5.157%
11	13.120	13.079	13.169	BB	499809	6029490	75.04%	4.426%
12	13.287	13.222	13.339	BB	572639	6773542	84.30%	4.973%
13	13.874	13.800	13.930	BB	524181	6604673	82.20%	4.849%
14	14.980	14.907	15.037	BB	498100	6337022	78.87%	4.652%
15	16.002	15.827	16.050	BB	468957	6031220	75.06%	4.428%
16	16.954	16.782	17.004	BB	434550	5708418	71.04%	4.191%
17	17.843	17.800	17.897	BB	398209	5495136	68.39%	4.034%
18	18.677	18.605	18.720	BB	369601	5055272	62.91%	3.711%
19	19.461	19.420	19.502	BB	293442	4482554	55.79%	3.291%
20	20.203	20.160	20.242	BB	267926	3834019	47.72%	2.815%
21	20.973	20.895	21.037	BB	193429	3467597	43.16%	2.546%
22	21.942	21.880	22.019	BB	132645	3289975	40.94%	2.415%
Sum of corrected areas:						136214504		

Aliphatic EPH 061825.M Wed Jun 18 14:38:30 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069223.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 12:39
 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: Jun 18 13:01:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 13:00:39 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)	11.680	3382762	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.116	2559732	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.410	2767240	20.000 ug/ml
2) T n-Decane (C10)	4.482	2852554	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.077	3140084	20.000 ug/ml
4) T n-Dodecane (C12)	6.507	2962169	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.136	3092803	20.000 ug/ml
6) T n-Tetradecane (C14)	8.307	3051599	20.000 ug/ml
7) T n-Hexadecane (C16)	9.912	3215074	20.000 ug/ml
8) T n-Octadecane (C18)	11.357	3209683	20.000 ug/ml
10) T n-Eicosane (C20)	12.670	2996001	20.000 ug/ml
11) T n-Heneicosane (C21)	13.283	2890922	20.000 ug/ml
13) T n-Docosane (C22)	13.871	2819173	20.000 ug/ml
14) T n-Tetracosane (C24)	14.976	2696756	20.000 ug/ml
15) T n-Hexacosane (C26)	15.999	2552119	20.000 ug/ml
16) T n-Octacosane (C28)	16.950	2406490	20.000 ug/ml
17) T n-Tricontane (C30)	17.839	2314105	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.674	2118123	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.459	1869078	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.200	1587141	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.969	1443800	20.000 ug/ml
22) T n-Tetracontane (C40)	21.938	1355792	20.000 ug/ml

(f)=RT Delta > 1/2 Window

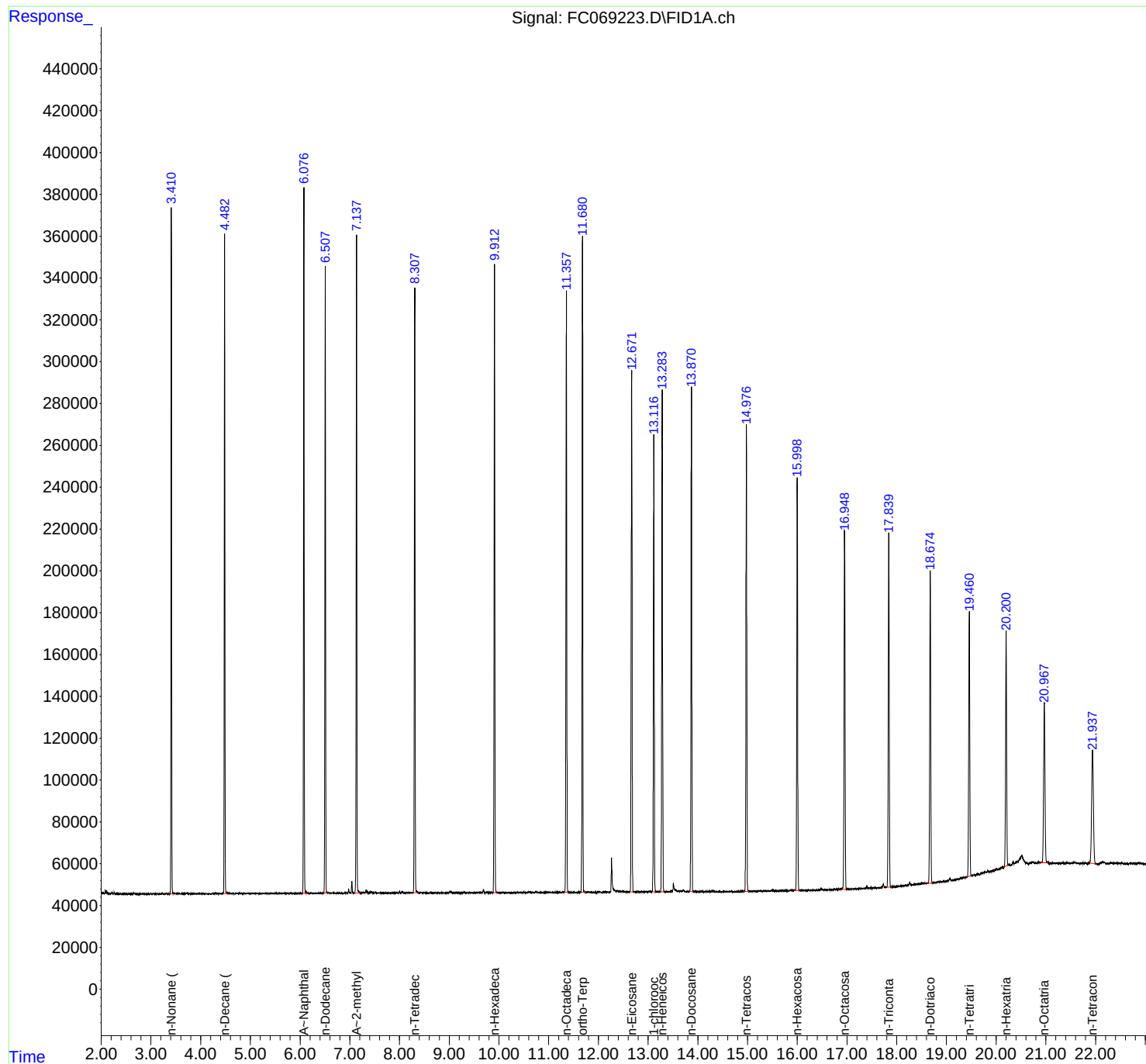
(m)=manual int.

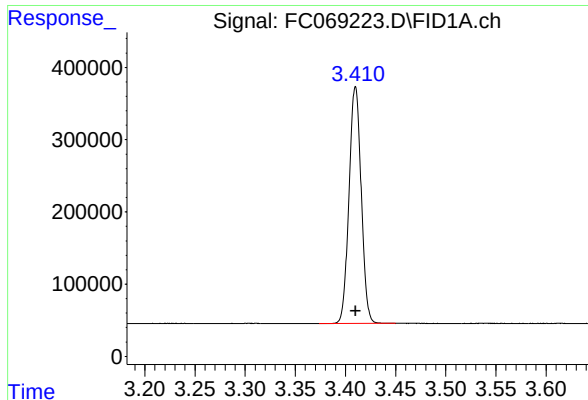
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069223.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 12:39
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jun 18 13:01:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 13:00:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

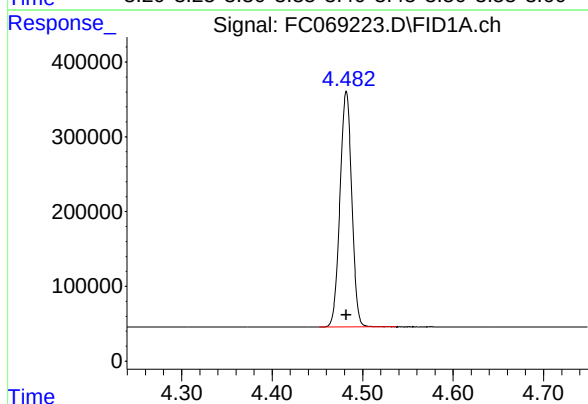




#1 n-Nonane (C9)

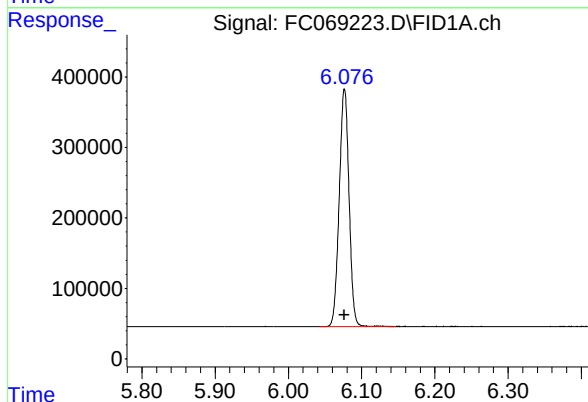
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 2767240
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



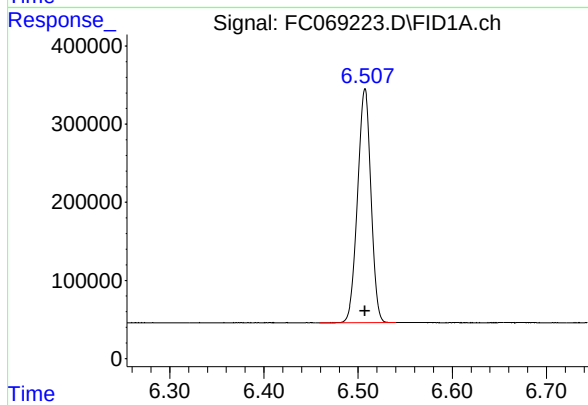
#2 n-Decane (C10)

R.T.: 4.482 min
Delta R.T.: 0.000 min
Response: 2852554
Conc: 20.00 ug/ml



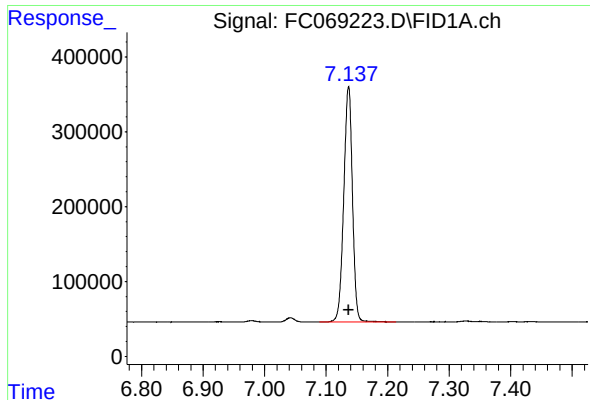
#3 A~Naphthalene (C11.7)

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 3140084
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

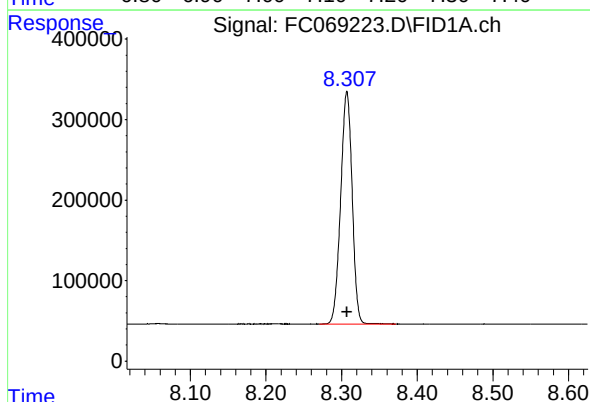
R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 2962169
Conc: 20.00 ug/ml



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

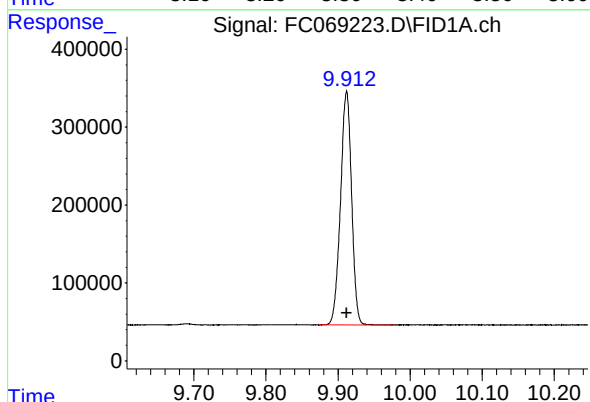
R.T.: 7.136 min
Delta R.T.: 0.000 min
Response: 3092803
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



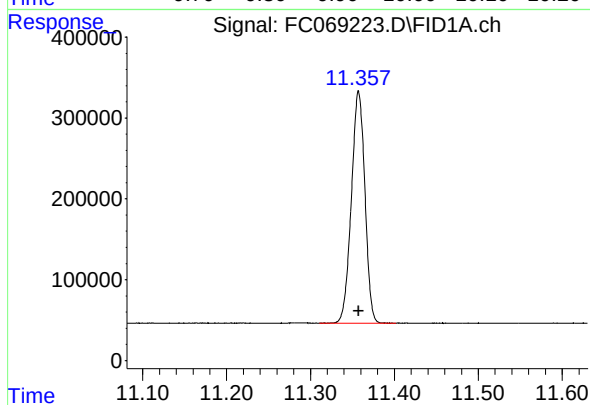
#6 n-Tetradecane (C14)

R.T.: 8.307 min
Delta R.T.: 0.000 min
Response: 3051599
Conc: 20.00 ug/ml



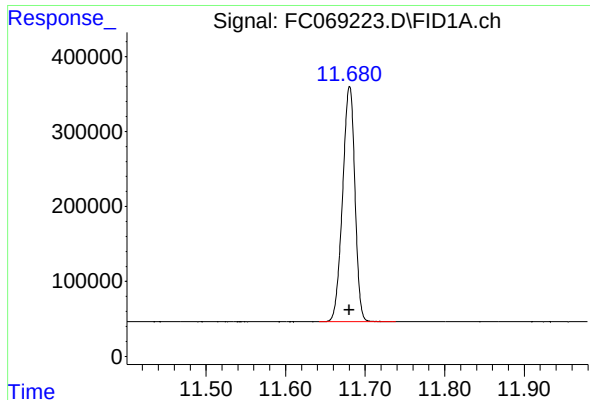
#7 n-Hexadecane (C16)

R.T.: 9.912 min
Delta R.T.: 0.000 min
Response: 3215074
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

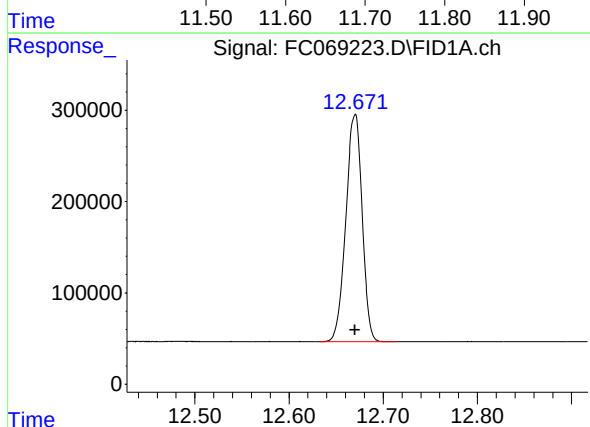
R.T.: 11.357 min
Delta R.T.: 0.000 min
Response: 3209683
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

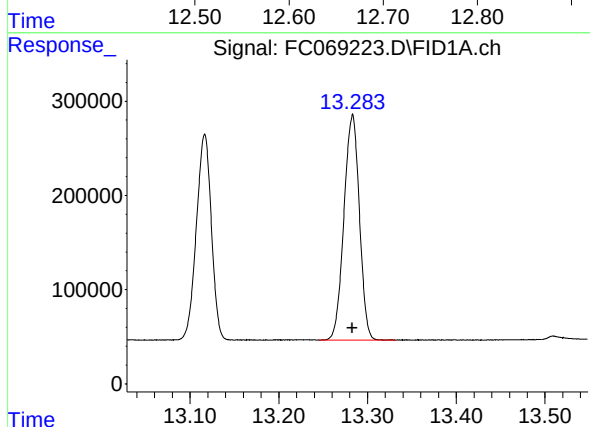
R.T.: 11.680 min
Delta R.T.: 0.000 min
Response: 3382762
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



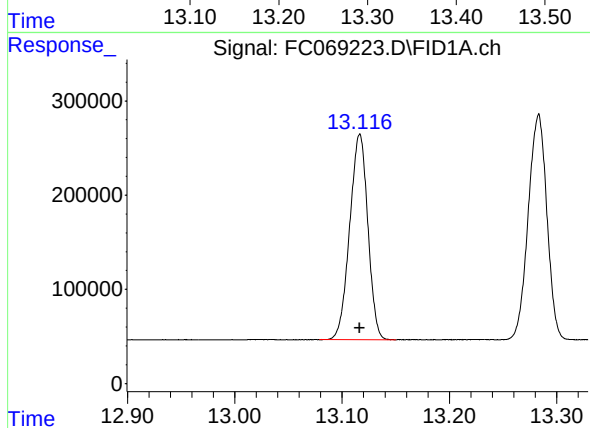
#10 n-Eicosane (C20)

R.T.: 12.670 min
Delta R.T.: 0.000 min
Response: 2996001
Conc: 20.00 ug/ml



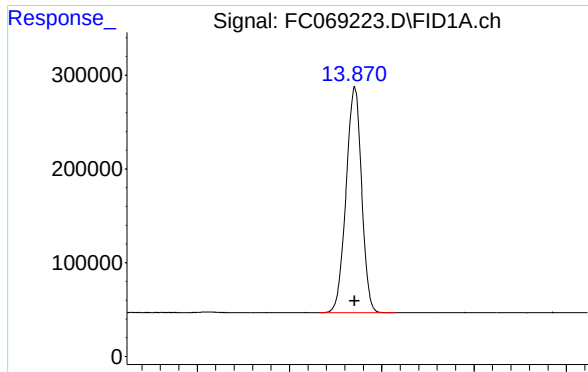
#11 n-Heneicosane (C21)

R.T.: 13.283 min
Delta R.T.: 0.000 min
Response: 2890922
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

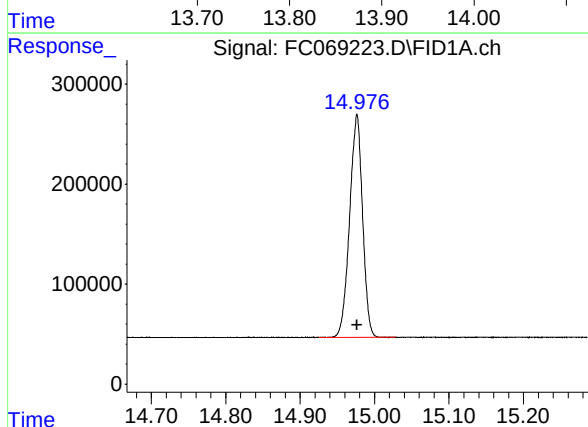
R.T.: 13.116 min
Delta R.T.: 0.000 min
Response: 2559732
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

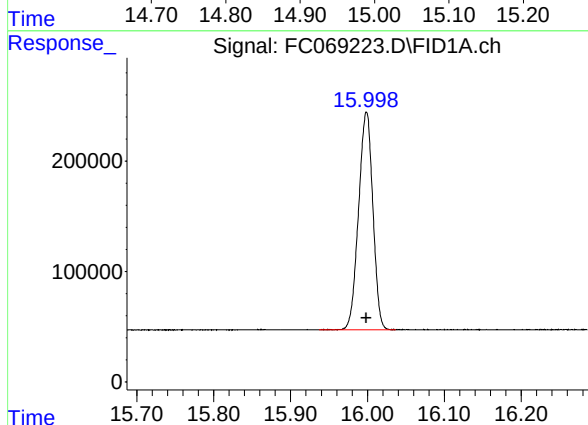
R.T.: 13.871 min
Delta R.T.: 0.000 min
Response: 2819173
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



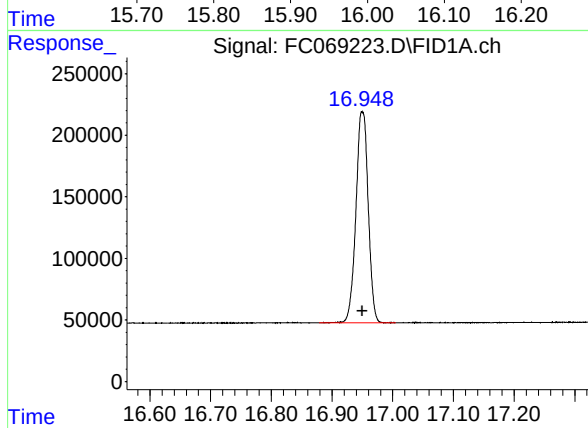
#14 n-Tetracosane (C24)

R.T.: 14.976 min
Delta R.T.: 0.000 min
Response: 2696756
Conc: 20.00 ug/ml



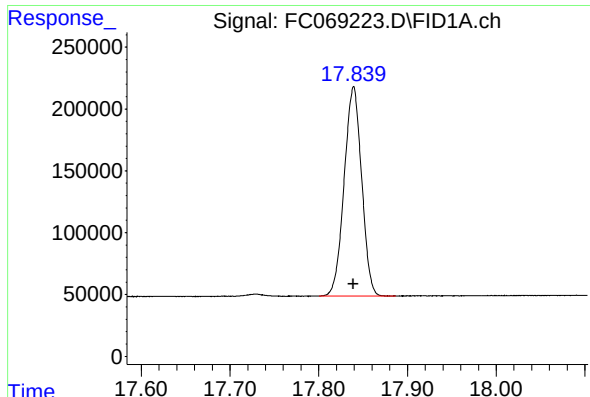
#15 n-Hexacosane (C26)

R.T.: 15.999 min
Delta R.T.: 0.000 min
Response: 2552119
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

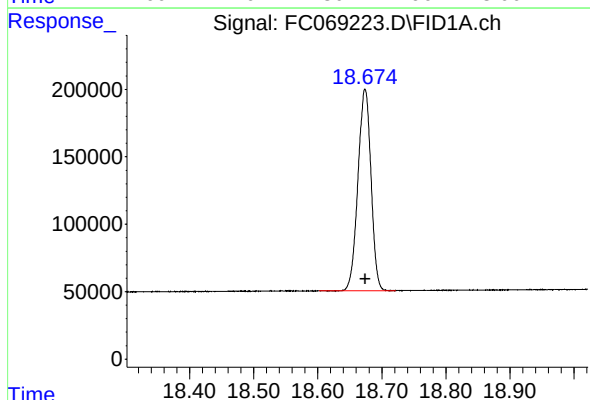
R.T.: 16.950 min
Delta R.T.: 0.000 min
Response: 2406490
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

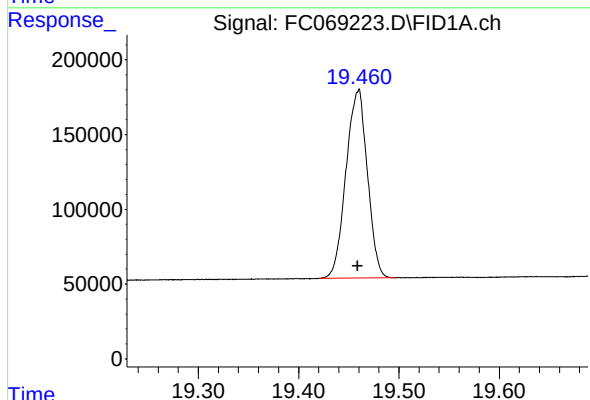
R.T.: 17.839 min
Delta R.T.: 0.000 min
Response: 2314105
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



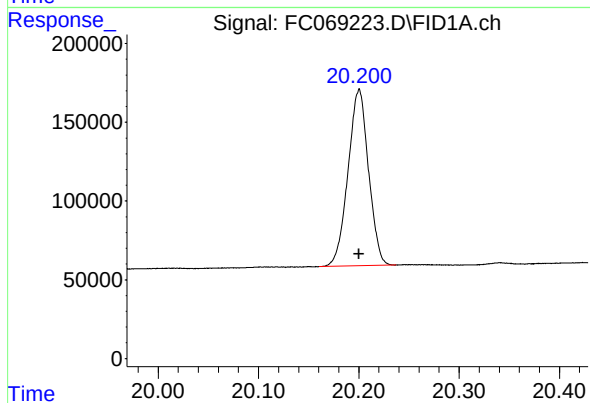
#18 n-Dotriacontane (C32)

R.T.: 18.674 min
Delta R.T.: 0.000 min
Response: 2118123
Conc: 20.00 ug/ml



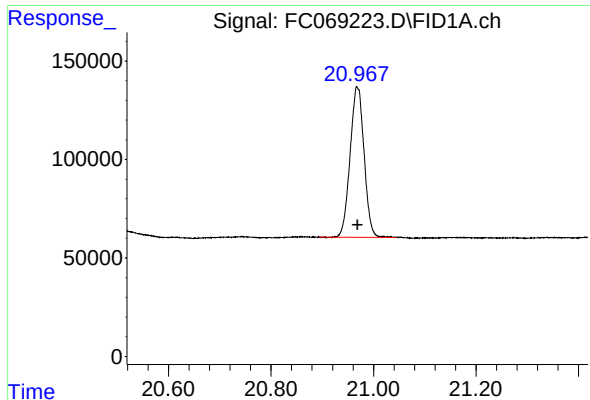
#19 n-Tetratriacontane (C34)

R.T.: 19.459 min
Delta R.T.: 0.000 min
Response: 1869078
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

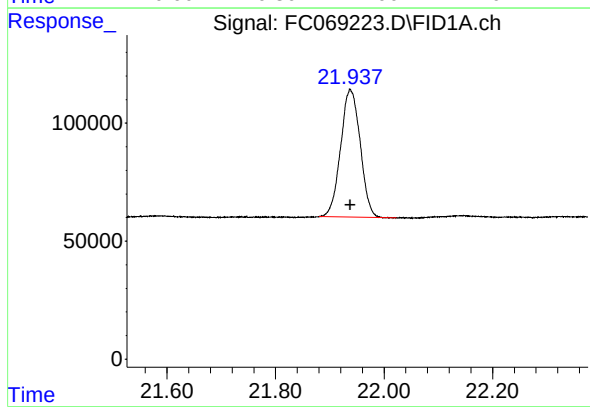
R.T.: 20.200 min
Delta R.T.: 0.000 min
Response: 1587141
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.969 min
Delta R.T.: 0.000 min
Response: 1443800
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.938 min
Delta R.T.: 0.000 min
Response: 1355792
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069223.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 12:39
 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 061825.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	3.410	3.374	3.450	BB	328194	2767240	81.80%	4.831%
2	4.482	4.452	4.537	BB	315257	2852554	84.33%	4.980%
3	6.077	6.042	6.147	BB	337847	3140084	92.83%	5.482%
4	6.507	6.459	6.540	BB	299443	2962169	87.57%	5.171%
5	7.136	7.089	7.214	BB	315538	3092803	91.43%	5.399%
6	8.307	8.270	8.372	BB	288724	3051599	90.21%	5.327%
7	9.912	9.874	9.980	BB	300265	3215074	95.04%	5.613%
8	11.357	11.310	11.402	BB	287165	3209683	94.88%	5.603%
9	11.680	11.642	11.739	BB	314534	3382762	100.00%	5.905%
10	12.670	12.632	12.714	BB	249206	2996001	88.57%	5.230%
11	13.116	13.079	13.150	BB	218895	2559732	75.67%	4.469%
12	13.283	13.245	13.332	BB	240870	2890922	85.46%	5.047%
13	13.871	13.832	13.915	BB	241488	2819173	83.34%	4.921%
14	14.976	14.925	15.029	BB	224439	2696756	79.72%	4.708%
15	15.999	15.937	16.037	BB	197748	2552119	75.44%	4.455%
16	16.950	16.879	17.005	BB	170629	2406490	71.14%	4.201%
17	17.839	17.800	17.887	BB	169041	2314105	68.41%	4.040%
18	18.674	18.602	18.722	BB	149490	2118123	62.62%	3.698%
19	19.459	19.420	19.497	BB	125143	1869078	55.25%	3.263%
20	20.200	20.160	20.237	BB	112095	1587141	46.92%	2.771%
21	20.969	20.894	21.044	BB	75910	1443800	42.68%	2.520%
22	21.938	21.880	22.022	BB	54065	1355792	40.08%	2.367%
Sum of corrected areas:							57283198	

Aliphatic EPH 061825.M Wed Jun 18 14:38:01 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069224.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 13:20
 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

Integration File: autoint1.e
 Quant Time: Jun 18 13:45:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 13:45:19 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)	11.678	1856143	10.994 ug/ml
Spiked Amount 50.000		Recovery =	21.99%
12) S 1-chlorooctadecane (S...	13.115	1417487	11.129 ug/ml
Spiked Amount 50.000		Recovery =	22.26%
Target Compounds			
1) T n-Nonane (C9)	3.409	1496071	10.738 ug/ml
2) T n-Decane (C10)	4.481	1544377	10.746 ug/ml
3) T A~Naphthalene (C11.7)	6.076	1699596	10.782 ug/ml
4) T n-Dodecane (C12)	6.506	1592006	10.707 ug/ml
5) T A~2-methylnaphthalene...	7.135	1665892	10.736 ug/ml
6) T n-Tetradecane (C14)	8.306	1646260	10.803 ug/ml
7) T n-Hexadecane (C16)	9.911	1756433	10.983 ug/ml
8) T n-Octadecane (C18)	11.356	1771170	11.113 ug/ml
10) T n-Eicosane (C20)	12.668	1665008	11.197 ug/ml
11) T n-Heneicosane (C21)	13.281	1608585	11.203 ug/ml
13) T n-Docosane (C22)	13.869	1565876	11.181 ug/ml
14) T n-Tetracosane (C24)	14.974	1491873	11.115 ug/ml
15) T n-Hexacosane (C26)	15.998	1397927	10.991 ug/ml
16) T n-Octacosane (C28)	16.949	1308541	10.917 ug/ml
17) T n-Tricontane (C30)	17.839	1257631	10.907 ug/ml
18) T n-Dotriacontane (C32)	18.672	1158654	10.937 ug/ml
19) T n-Tetratriacontane (C34)	19.459	1018840	10.875 ug/ml
20) T n-Hexatriacontane (C36)	20.200	869747	10.868 ug/ml
21) T n-Octatriacontane (C38)	20.969	782717	10.802 ug/ml
22) T n-Tetracontane (C40)	21.938	746688	10.849 ug/ml

(f)=RT Delta > 1/2 Window

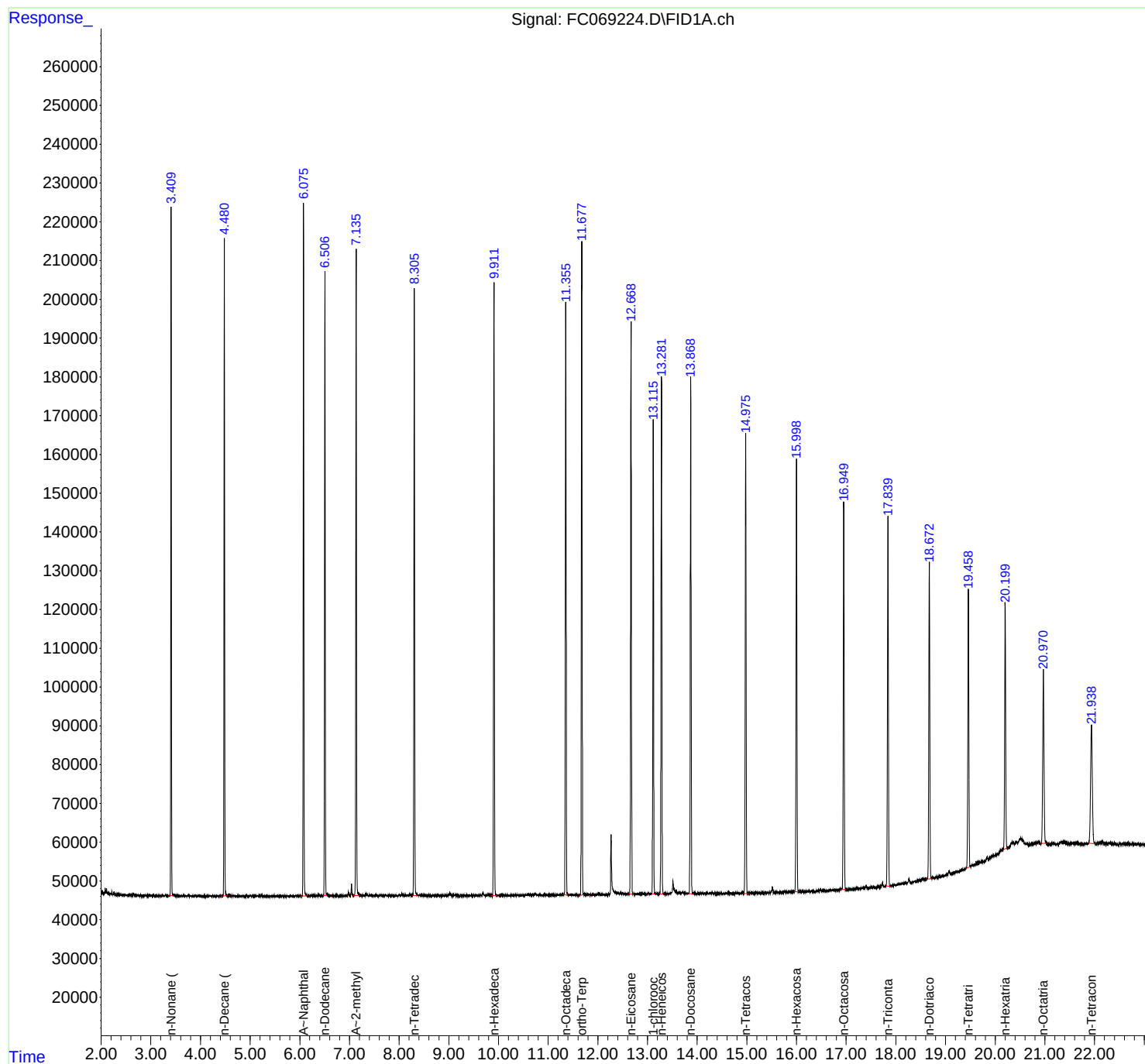
(m)=manual int.

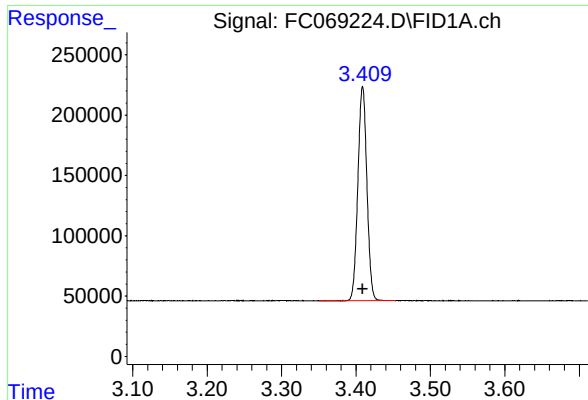
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069224.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 13:20
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jun 18 13:45:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 13:45:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

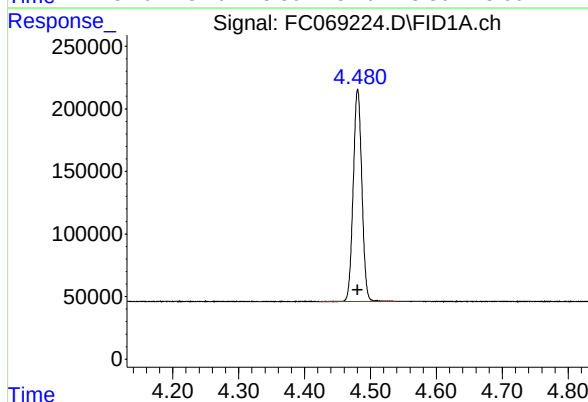




#1 n-Nonane (C9)

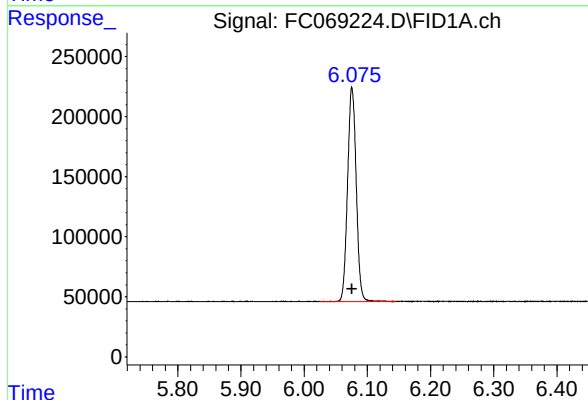
R.T.: 3.409 min
Delta R.T.: 0.000 min
Response: 1496071
Conc: 10.74 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



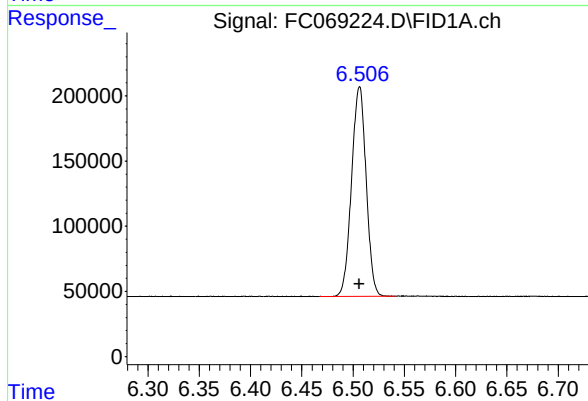
#2 n-Decane (C10)

R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 1544377
Conc: 10.75 ug/ml



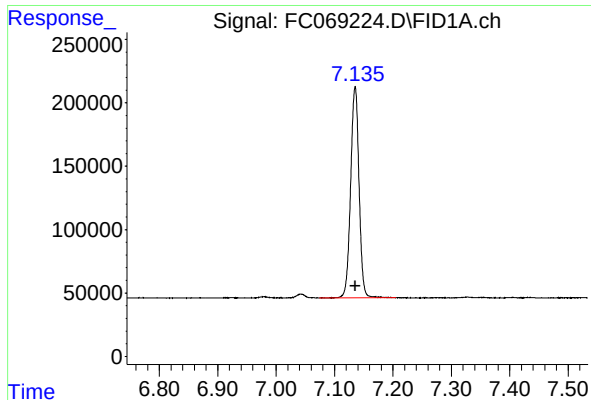
#3 A~Naphthalene (C11.7)

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 1699596
Conc: 10.78 ug/ml



#4 n-Dodecane (C12)

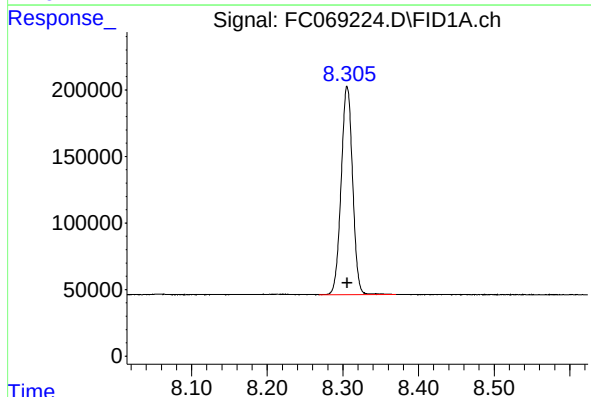
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 1592006
Conc: 10.71 ug/ml



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

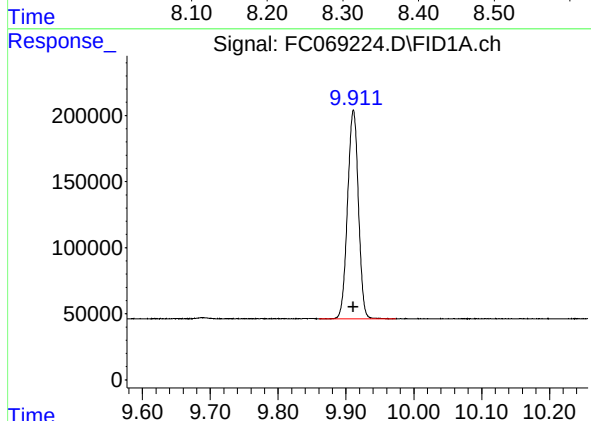
R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 1665892
Conc: 10.74 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



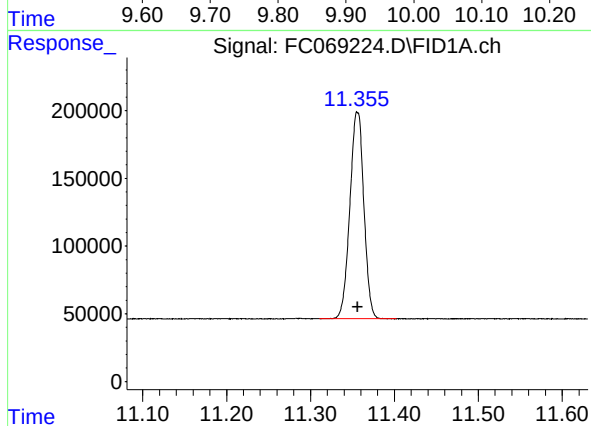
#6 n-Tetradecane (C14)

R.T.: 8.306 min
Delta R.T.: 0.000 min
Response: 1646260
Conc: 10.80 ug/ml



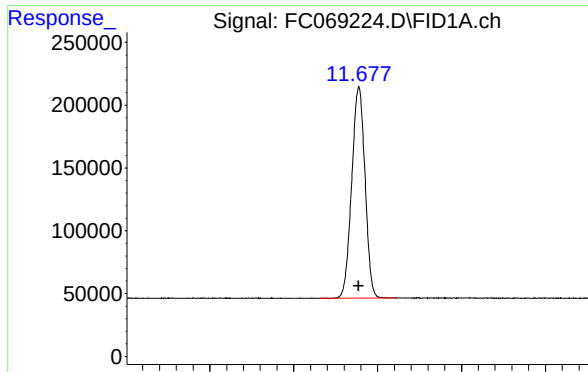
#7 n-Hexadecane (C16)

R.T.: 9.911 min
Delta R.T.: 0.000 min
Response: 1756433
Conc: 10.98 ug/ml



#8 n-Octadecane (C18)

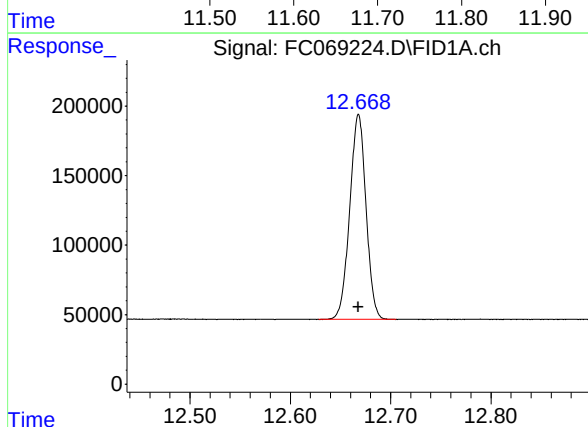
R.T.: 11.356 min
Delta R.T.: 0.000 min
Response: 1771170
Conc: 11.11 ug/ml



#9 ortho-Terphenyl (SURR)

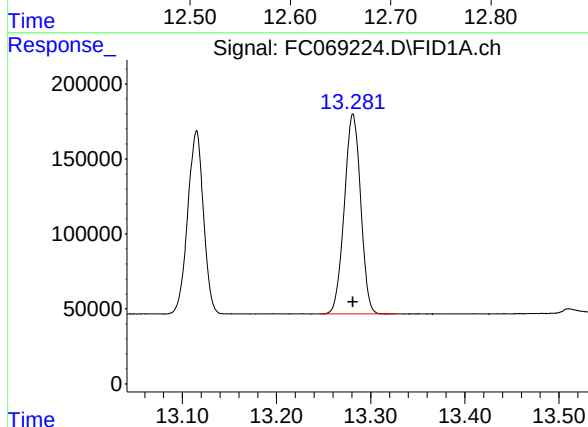
R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 1856143
Conc: 10.99 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



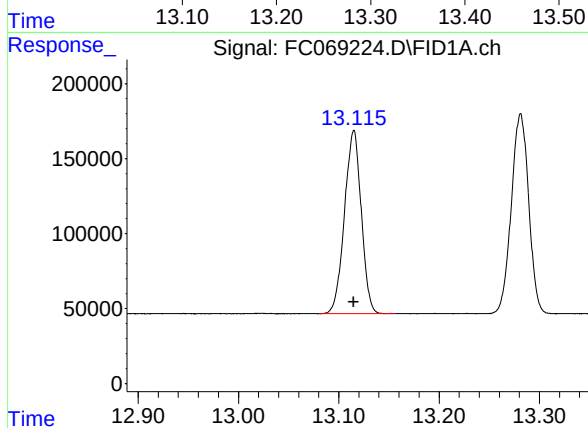
#10 n-Eicosane (C20)

R.T.: 12.668 min
Delta R.T.: 0.000 min
Response: 1665008
Conc: 11.20 ug/ml



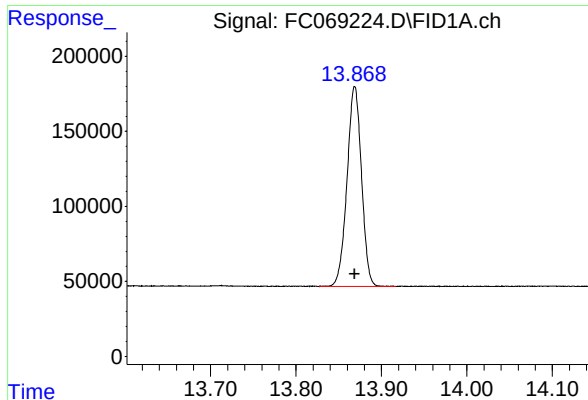
#11 n-Heneicosane (C21)

R.T.: 13.281 min
Delta R.T.: 0.000 min
Response: 1608585
Conc: 11.20 ug/ml



#12 1-chlorooctadecane (SURR)

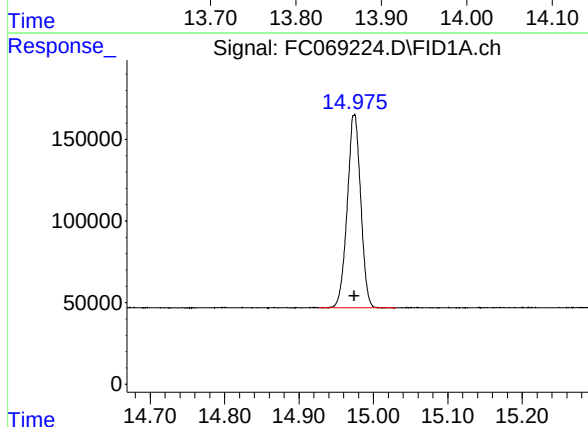
R.T.: 13.115 min
Delta R.T.: 0.000 min
Response: 1417487
Conc: 11.13 ug/ml



#13 n-Docosane (C22)

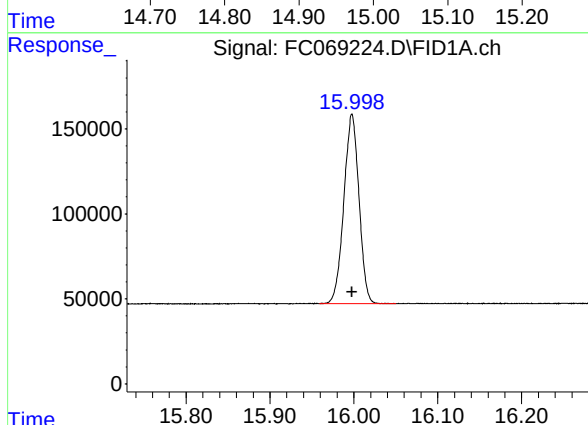
R.T.: 13.869 min
Delta R.T.: 0.000 min
Response: 1565876
Conc: 11.18 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



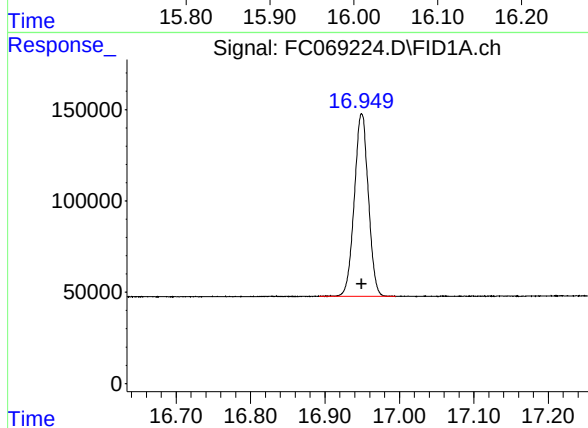
#14 n-Tetracosane (C24)

R.T.: 14.974 min
Delta R.T.: 0.000 min
Response: 1491873
Conc: 11.11 ug/ml



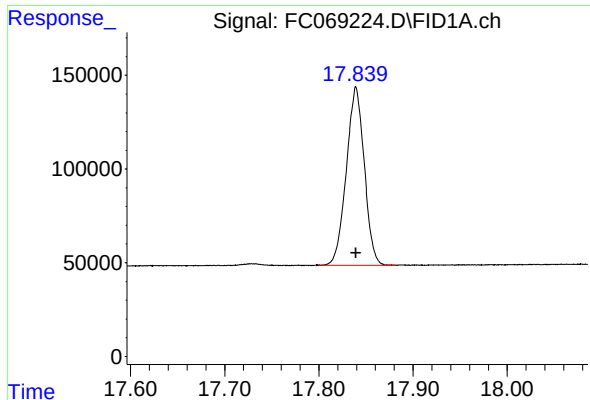
#15 n-Hexacosane (C26)

R.T.: 15.998 min
Delta R.T.: 0.000 min
Response: 1397927
Conc: 10.99 ug/ml



#16 n-Octacosane (C28)

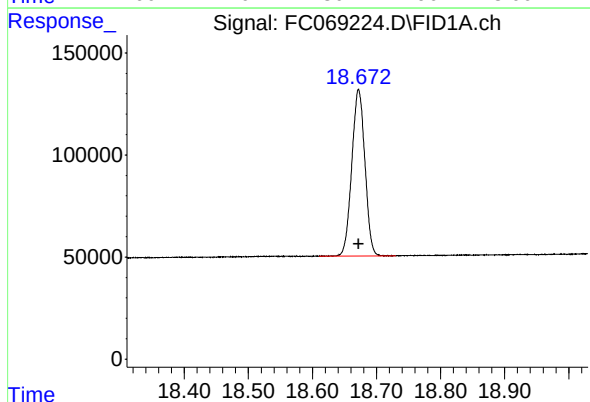
R.T.: 16.949 min
Delta R.T.: 0.000 min
Response: 1308541
Conc: 10.92 ug/ml



#17 n-Tricontane (C30)

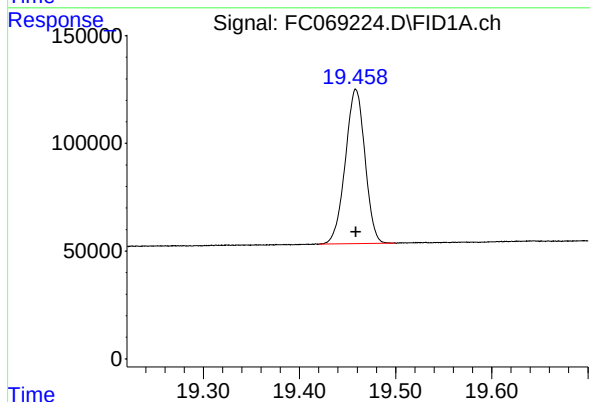
R.T.: 17.839 min
Delta R.T.: 0.000 min
Response: 1257631
Conc: 10.91 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



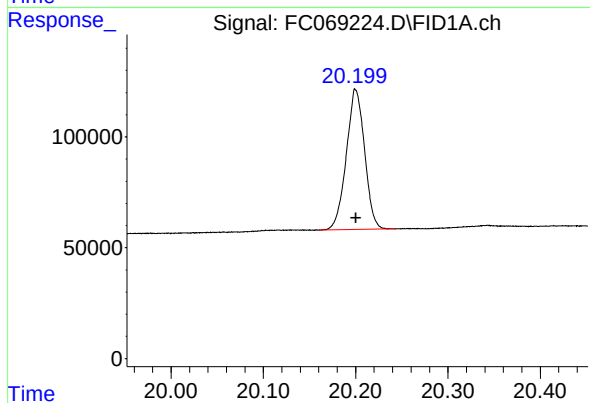
#18 n-Dotriacontane (C32)

R.T.: 18.672 min
Delta R.T.: 0.000 min
Response: 1158654
Conc: 10.94 ug/ml



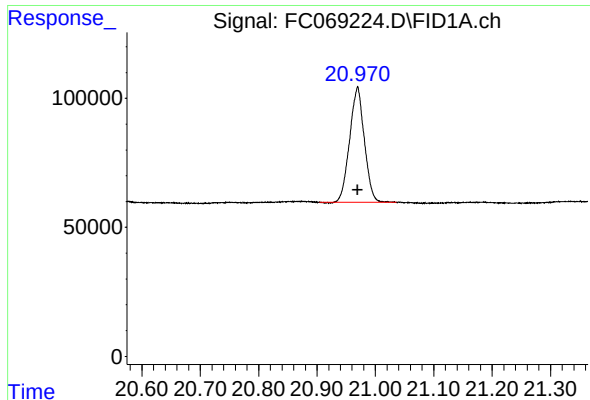
#19 n-Tetatriacontane (C34)

R.T.: 19.459 min
Delta R.T.: 0.000 min
Response: 1018840
Conc: 10.87 ug/ml



#20 n-Hexatriacontane (C36)

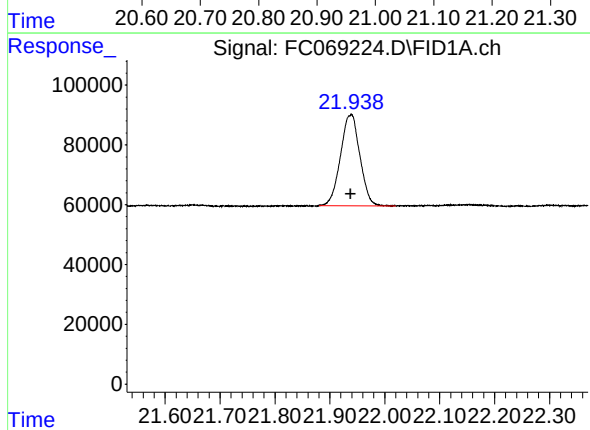
R.T.: 20.200 min
Delta R.T.: 0.000 min
Response: 869747
Conc: 10.87 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.969 min
Delta R.T.: 0.000 min
Response: 782717
Conc: 10.80 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.938 min
Delta R.T.: 0.000 min
Response: 746688
Conc: 10.85 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069224.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 13:20
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.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	3.409	3.350	3.454	BB	177619	1496071	80.60%	4.777%
2	4.481	4.422	4.539	BB	169567	1544377	83.20%	4.931%
3	6.076	6.024	6.145	BB	178321	1699596	91.57%	5.427%
4	6.506	6.467	6.542	BB	161845	1592006	85.77%	5.083%
5	7.135	7.074	7.205	BB	166692	1665892	89.75%	5.319%
6	8.306	8.269	8.370	BB	156558	1646260	88.69%	5.257%
7	9.911	9.860	9.974	BB	157792	1756433	94.63%	5.608%
8	11.356	11.310	11.402	BB	153146	1771170	95.42%	5.656%
9	11.678	11.630	11.722	BB	167827	1856143	100.00%	5.927%
10	12.668	12.629	12.705	BB	147990	1665008	89.70%	5.317%
11	13.115	13.080	13.157	BB	122636	1417487	76.37%	4.526%
12	13.281	13.245	13.327	BB	133774	1608585	86.66%	5.136%
13	13.869	13.827	13.917	BB	133414	1565876	84.36%	5.000%
14	14.974	14.927	15.030	BB	118969	1491873	80.37%	4.764%
15	15.998	15.959	16.050	BB	111607	1397927	75.31%	4.464%
16	16.949	16.892	16.995	BB	100098	1308541	70.50%	4.178%
17	17.839	17.800	17.882	BB	95148	1257631	67.76%	4.016%
18	18.672	18.610	18.730	BB	81586	1158654	62.42%	3.700%
19	19.459	19.420	19.500	BB	71711	1018840	54.89%	3.253%
20	20.200	20.160	20.244	BB	62876	869747	46.86%	2.777%
21	20.969	20.904	21.035	BB	44513	782717	42.17%	2.499%
22	21.938	21.880	22.020	BB	30555	746688	40.23%	2.384%
Sum of corrected areas:							31317521	

Aliphatic EPH 061825.M Wed Jun 18 14:37:36 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069225.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 14:03
 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: Jun 18 14:23:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:23:47 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)	11.678	942393	5.455 ug/ml
Spiked Amount 50.000		Recovery =	10.91%
12) S 1-chlorooctadecane (S...	13.114	718614	5.501 ug/ml
Spiked Amount 50.000		Recovery =	11.00%
Target Compounds			
1) T n-Nonane (C9)	3.410	768967	5.407 ug/ml
2) T n-Decane (C10)	4.481	785603	5.366 ug/ml
3) T A~Naphthalene (C11.7)	6.076	869708	5.405 ug/ml
4) T n-Dodecane (C12)	6.506	811783	5.361 ug/ml
5) T A~2-methylnaphthalene...	7.135	852964	5.390 ug/ml
6) T n-Tetradecane (C14)	8.306	827220	5.337 ug/ml
7) T n-Hexadecane (C16)	9.911	887029	5.428 ug/ml
8) T n-Octadecane (C18)	11.356	894124	5.476 ug/ml
10) T n-Eicosane (C20)	12.668	842048	5.517 ug/ml
11) T n-Heneicosane (C21)	13.281	813023	5.516 ug/ml
13) T n-Docosane (C22)	13.868	796002	5.532 ug/ml
14) T n-Tetracosane (C24)	14.974	763797	5.538 ug/ml
15) T n-Hexacosane (C26)	15.997	724210	5.540 ug/ml
16) T n-Octacosane (C28)	16.948	686066	5.563 ug/ml
17) T n-Tricontane (C30)	17.838	666002	5.602 ug/ml
18) T n-Dotriacontane (C32)	18.673	614700	5.622 ug/ml
19) T n-Tetratriacontane (C34)	19.458	540381	5.596 ug/ml
20) T n-Hexatriacontane (C36)	20.200	459698	5.578 ug/ml
21) T n-Octatriacontane (C38)	20.969	419007	5.607 ug/ml
22) T n-Tetracontane (C40)	21.937	393940	5.563 ug/ml

(f)=RT Delta > 1/2 Window

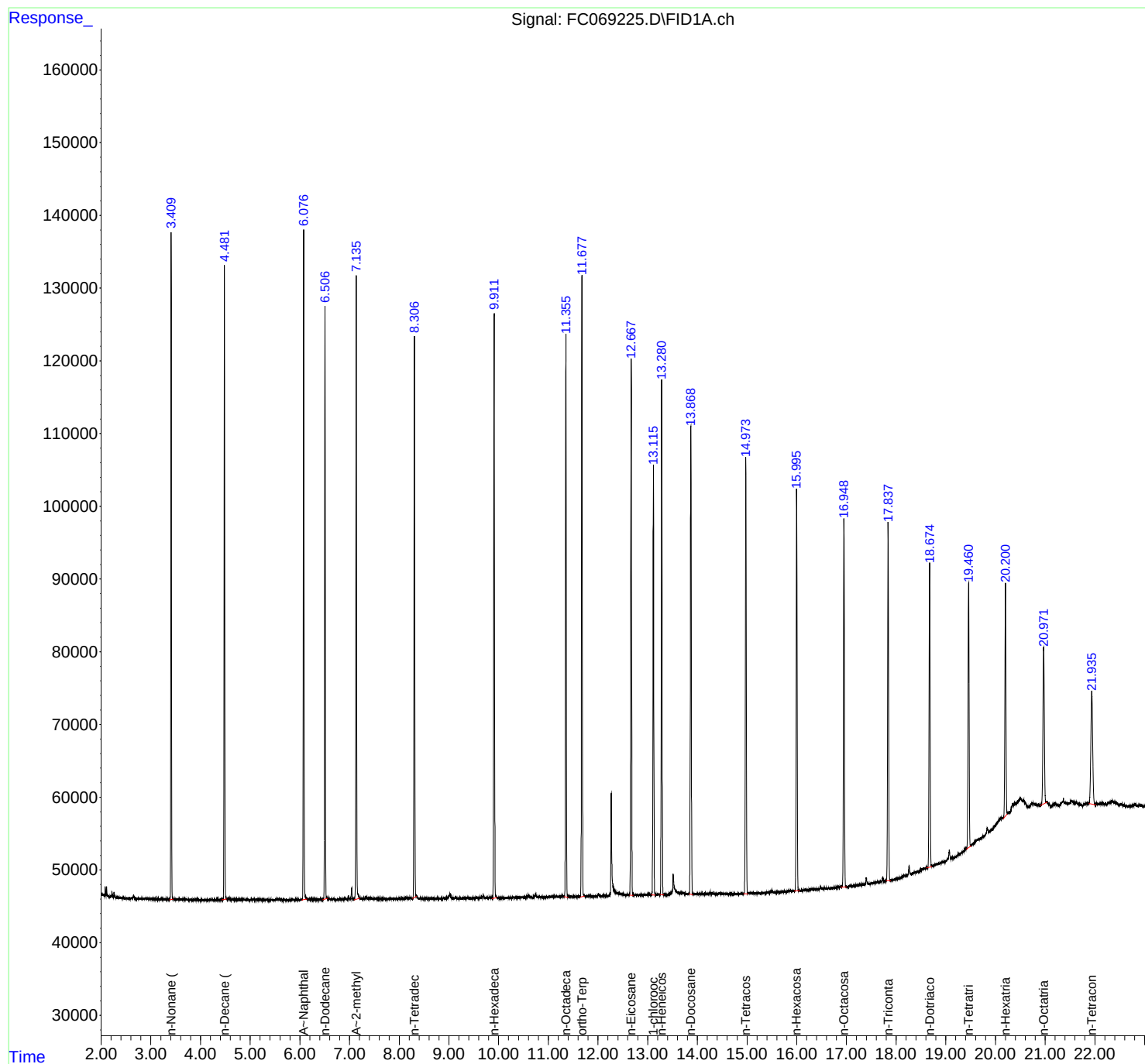
(m)=manual int.

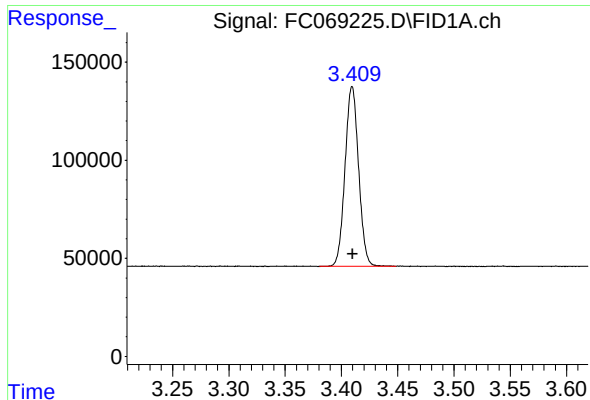
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069225.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 14:03
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Jun 18 14:23:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:23:47 2025
Response via : Initial Calibration
Integrator: ChemStation

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

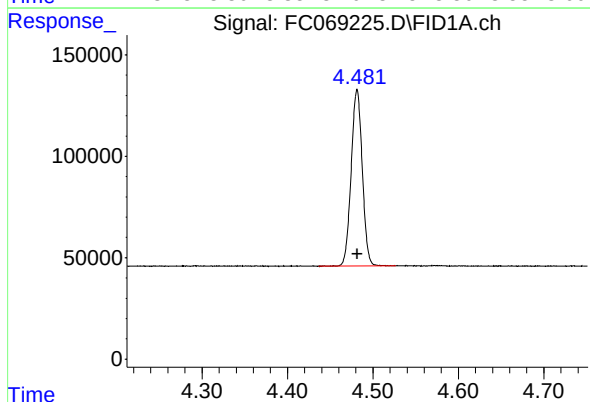




#1 n-Nonane (C9)

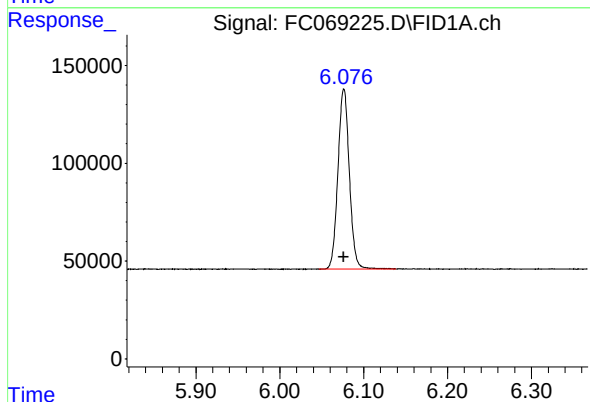
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 768967
Conc: 5.41 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



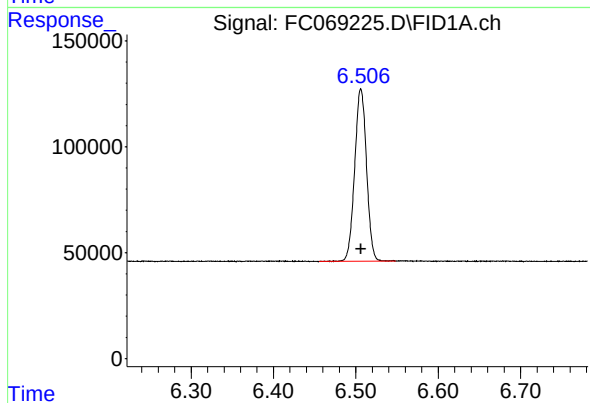
#2 n-Decane (C10)

R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 785603
Conc: 5.37 ug/ml



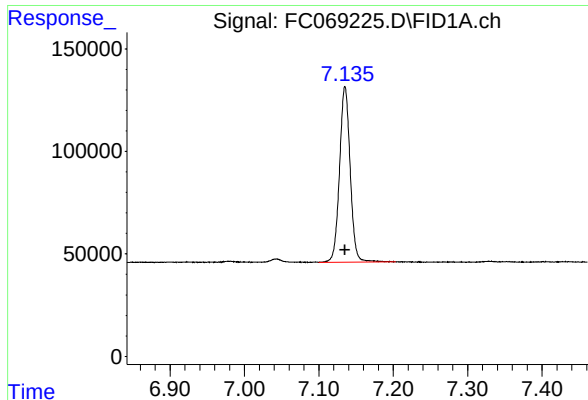
#3 A~Naphthalene (C11.7)

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 869708
Conc: 5.41 ug/ml



#4 n-Dodecane (C12)

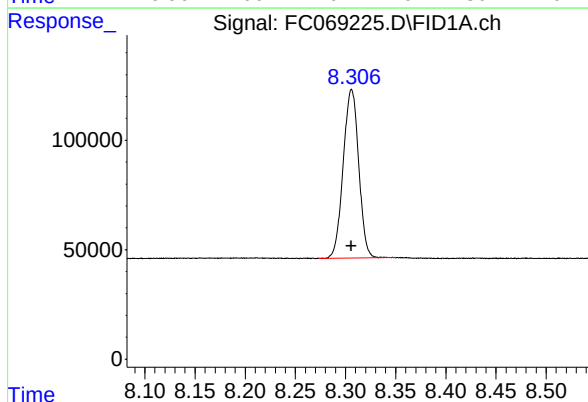
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 811783
Conc: 5.36 ug/ml



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

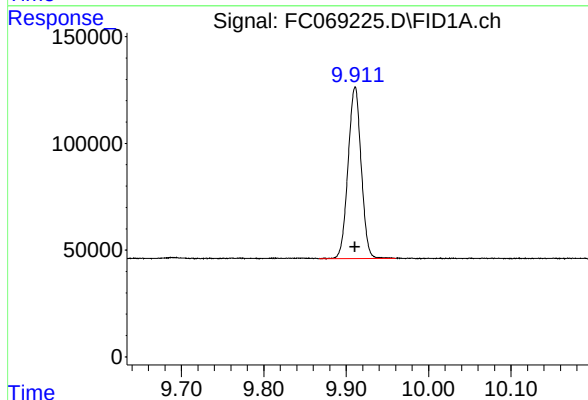
R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 852964
Conc: 5.39 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



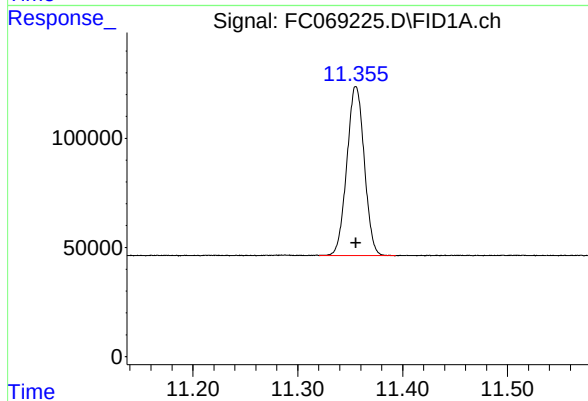
#6 n-Tetradecane (C14)

R.T.: 8.306 min
Delta R.T.: 0.000 min
Response: 827220
Conc: 5.34 ug/ml



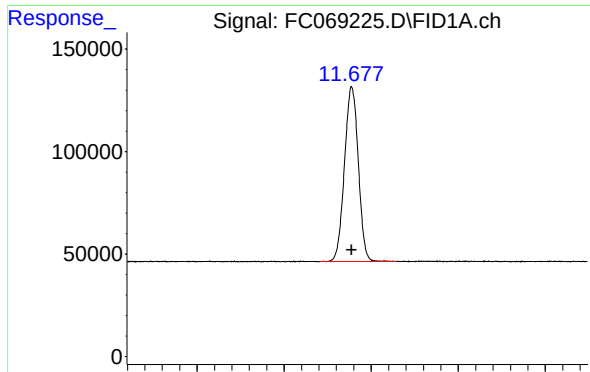
#7 n-Hexadecane (C16)

R.T.: 9.911 min
Delta R.T.: 0.000 min
Response: 887029
Conc: 5.43 ug/ml



#8 n-Octadecane (C18)

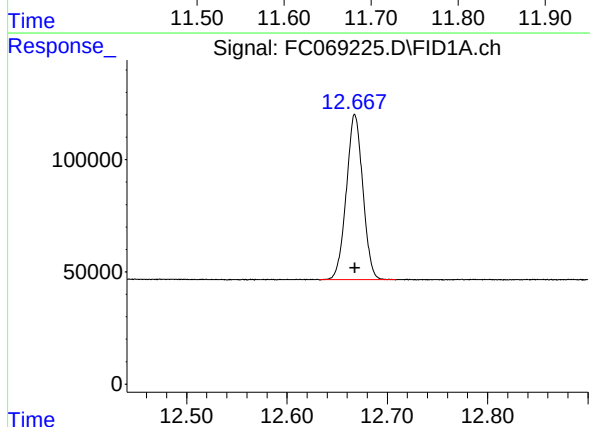
R.T.: 11.356 min
Delta R.T.: 0.000 min
Response: 894124
Conc: 5.48 ug/ml



#9 ortho-Terphenyl (SURR)

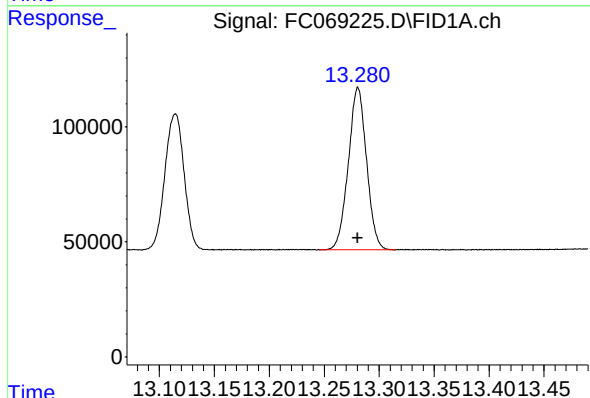
R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 942393
Conc: 5.45 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



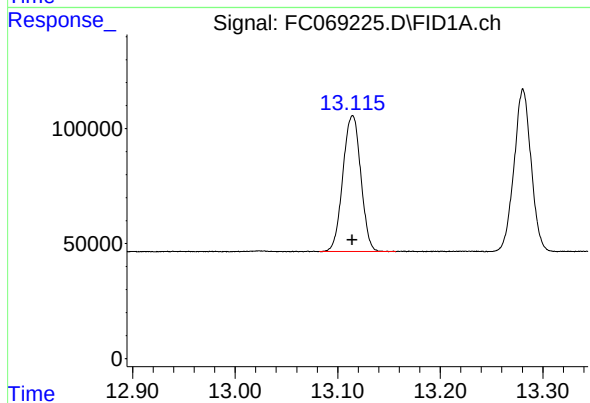
#10 n-Eicosane (C20)

R.T.: 12.668 min
Delta R.T.: 0.000 min
Response: 842048
Conc: 5.52 ug/ml



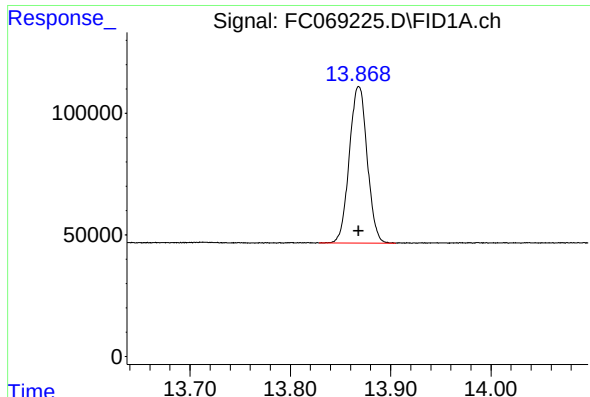
#11 n-Heneicosane (C21)

R.T.: 13.281 min
Delta R.T.: 0.000 min
Response: 813023
Conc: 5.52 ug/ml



#12 1-chlorooctadecane (SURR)

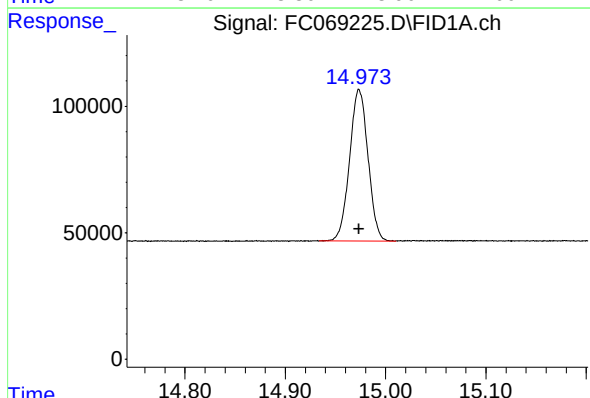
R.T.: 13.114 min
Delta R.T.: 0.000 min
Response: 718614
Conc: 5.50 ug/ml



#13 n-Docosane (C22)

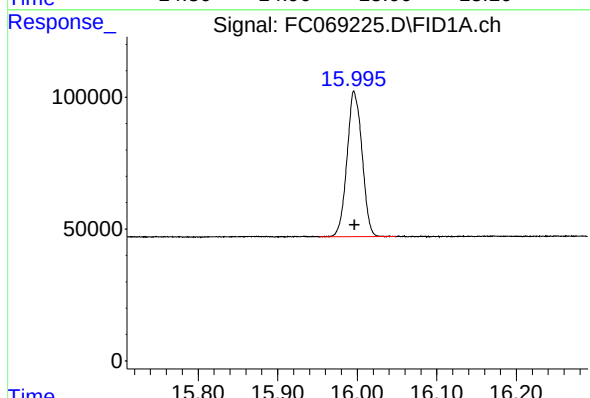
R.T.: 13.868 min
Delta R.T.: 0.000 min
Response: 796002
Conc: 5.53 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



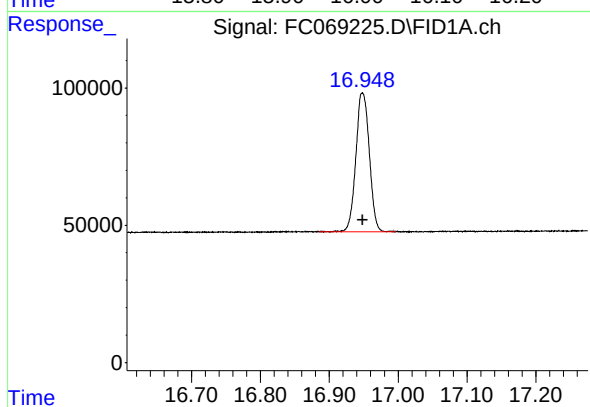
#14 n-Tetracosane (C24)

R.T.: 14.974 min
Delta R.T.: 0.000 min
Response: 763797
Conc: 5.54 ug/ml



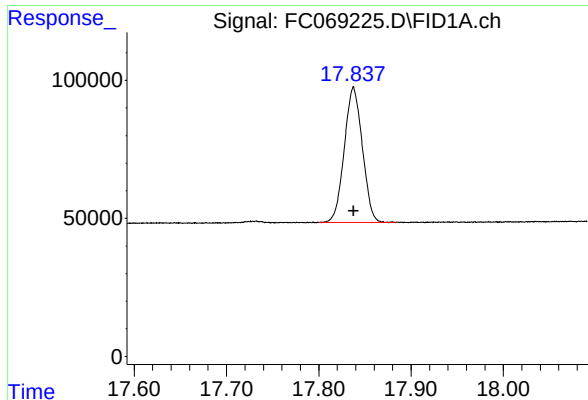
#15 n-Hexacosane (C26)

R.T.: 15.997 min
Delta R.T.: 0.000 min
Response: 724210
Conc: 5.54 ug/ml



#16 n-Octacosane (C28)

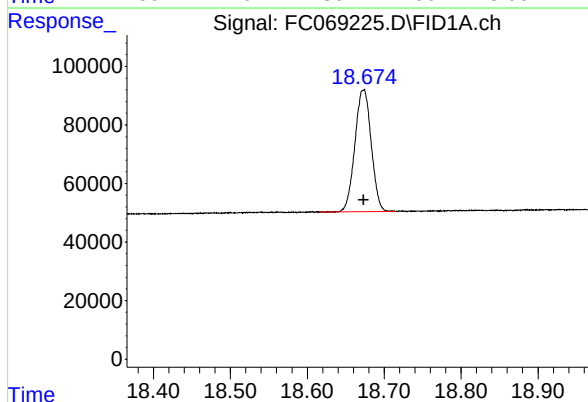
R.T.: 16.948 min
Delta R.T.: 0.000 min
Response: 686066
Conc: 5.56 ug/ml



#17 n-Tricontane (C30)

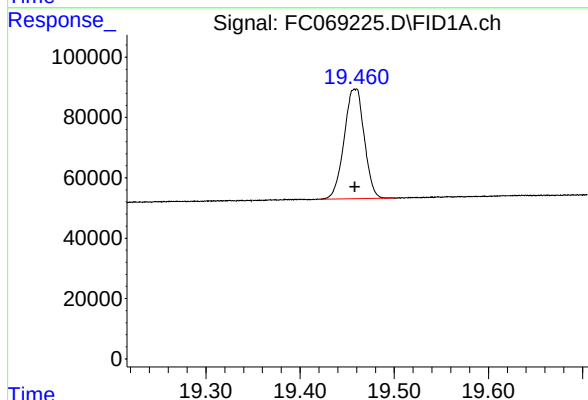
R.T.: 17.838 min
Delta R.T.: 0.000 min
Response: 666002
Conc: 5.60 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



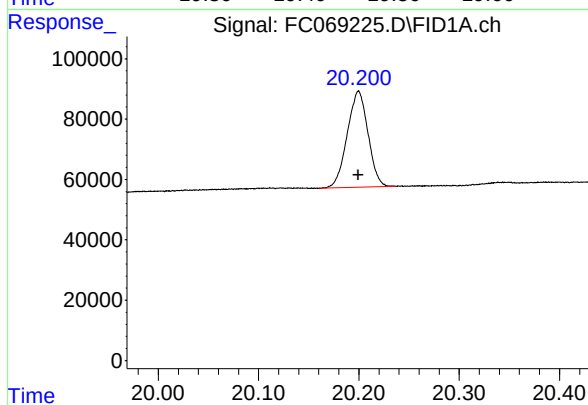
#18 n-Dotriacontane (C32)

R.T.: 18.673 min
Delta R.T.: 0.000 min
Response: 614700
Conc: 5.62 ug/ml



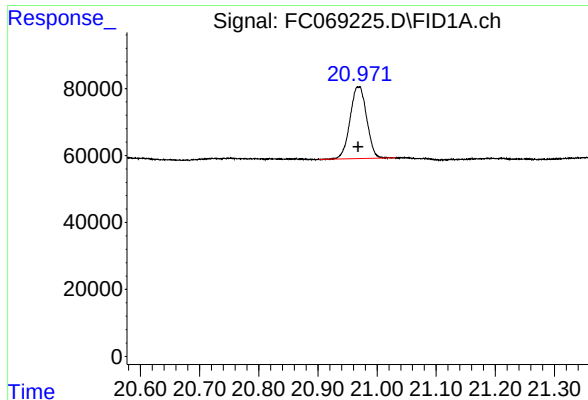
#19 n-Tetratriacontane (C34)

R.T.: 19.458 min
Delta R.T.: 0.000 min
Response: 540381
Conc: 5.60 ug/ml



#20 n-Hexatriacontane (C36)

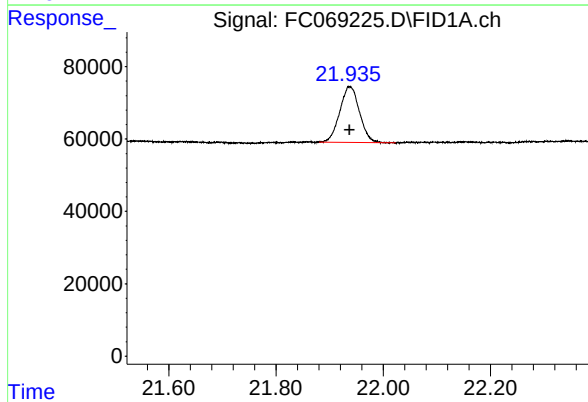
R.T.: 20.200 min
Delta R.T.: 0.000 min
Response: 459698
Conc: 5.58 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.969 min
Delta R.T.: 0.000 min
Response: 419007
Conc: 5.61 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.937 min
Delta R.T.: 0.000 min
Response: 393940
Conc: 5.56 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069225.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 14:03
 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 061825.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	3.410	3.380	3.449	BB	91878	768967	81.60%	4.783%
2	4.481	4.437	4.527	BB	87247	785603	83.36%	4.886%
3	6.076	6.047	6.139	BB	92272	869708	92.29%	5.410%
4	6.506	6.455	6.549	BB	81230	811783	86.14%	5.049%
5	7.135	7.100	7.204	BB	85753	852964	90.51%	5.305%
6	8.306	8.274	8.350	BB	77049	827220	87.78%	5.145%
7	9.911	9.867	9.960	BB	80293	887029	94.13%	5.517%
8	11.356	11.320	11.394	BB	77410	894124	94.88%	5.561%
9	11.678	11.640	11.729	BB	84784	942393	100.00%	5.862%
10	12.668	12.632	12.709	BB	73078	842048	89.35%	5.238%
11	13.114	13.082	13.157	BB	59088	718614	76.25%	4.470%
12	13.281	13.245	13.315	BB	70672	813023	86.27%	5.057%
13	13.868	13.829	13.905	BB	64412	796002	84.47%	4.951%
14	14.974	14.934	15.010	BB	59988	763797	81.05%	4.751%
15	15.997	15.952	16.049	BB	54380	724210	76.85%	4.505%
16	16.948	16.885	16.997	BB	50496	686066	72.80%	4.267%
17	17.838	17.800	17.884	BB	48943	666002	70.67%	4.143%
18	18.673	18.615	18.715	BB	41575	614700	65.23%	3.823%
19	19.458	19.420	19.502	BB	36225	540381	57.34%	3.361%
20	20.200	20.160	20.237	BB	32066	459698	48.78%	2.859%
21	20.969	20.902	21.032	BB	21311	419007	44.46%	2.606%
22	21.937	21.880	22.024	BB	15337	393940	41.80%	2.450%
Sum of corrected areas:							16077276	

Aliphatic EPH 061825.M Wed Jun 18 14:37:19 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
 Data File : FC069226.D
 Signal(s) : FID1A.ch
 Acq On : 18 Jun 2025 14:45
 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: Jun 18 15:23:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 14:24:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.680	3253610	18.833 ug/ml
Spiked Amount 50.000		Recovery =	37.67%
12) S 1-chlorooctadecane (S...	13.116	2474788	18.943 ug/ml
Spiked Amount 50.000		Recovery =	37.89%
Target Compounds			
1) T n-Nonane (C9)	3.410	2571511	18.081 ug/ml
2) T n-Decane (C10)	4.482	2650200	18.103 ug/ml
3) T A~Naphthalene (C11.7)	6.077	2926181	18.187 ug/ml
4) T n-Dodecane (C12)	6.507	2762531	18.244 ug/ml
5) T A~2-methylnaphthalene...	7.136	2898798	18.318 ug/ml
6) T n-Tetradecane (C14)	8.307	2886495	18.622 ug/ml
7) T n-Hexadecane (C16)	9.912	3074968	18.817 ug/ml
8) T n-Octadecane (C18)	11.357	3098893	18.980 ug/ml
10) T n-Eicosane (C20)	12.670	2897467	18.982 ug/ml
11) T n-Heneicosane (C21)	13.283	2797161	18.978 ug/ml
13) T n-Docosane (C22)	13.871	2718940	18.897 ug/ml
14) T n-Tetracosane (C24)	14.975	2594124	18.807 ug/ml
15) T n-Hexacosane (C26)	15.998	2449139	18.735 ug/ml
16) T n-Octacosane (C28)	16.949	2300993	18.657 ug/ml
17) T n-Tricontane (C30)	17.839	2215902	18.639 ug/ml
18) T n-Dotriacontane (C32)	18.675	2037377	18.634 ug/ml
19) T n-Tetratriacontane (C34)	19.460	1803580	18.677 ug/ml
20) T n-Hexatriacontane (C36)	20.201	1557268	18.896 ug/ml
21) T n-Octatriacontane (C38)	20.971	1411730	18.891 ug/ml
22) T n-Tetracontane (C40)	21.939	1331528	18.803 ug/ml

(f)=RT Delta > 1/2 Window

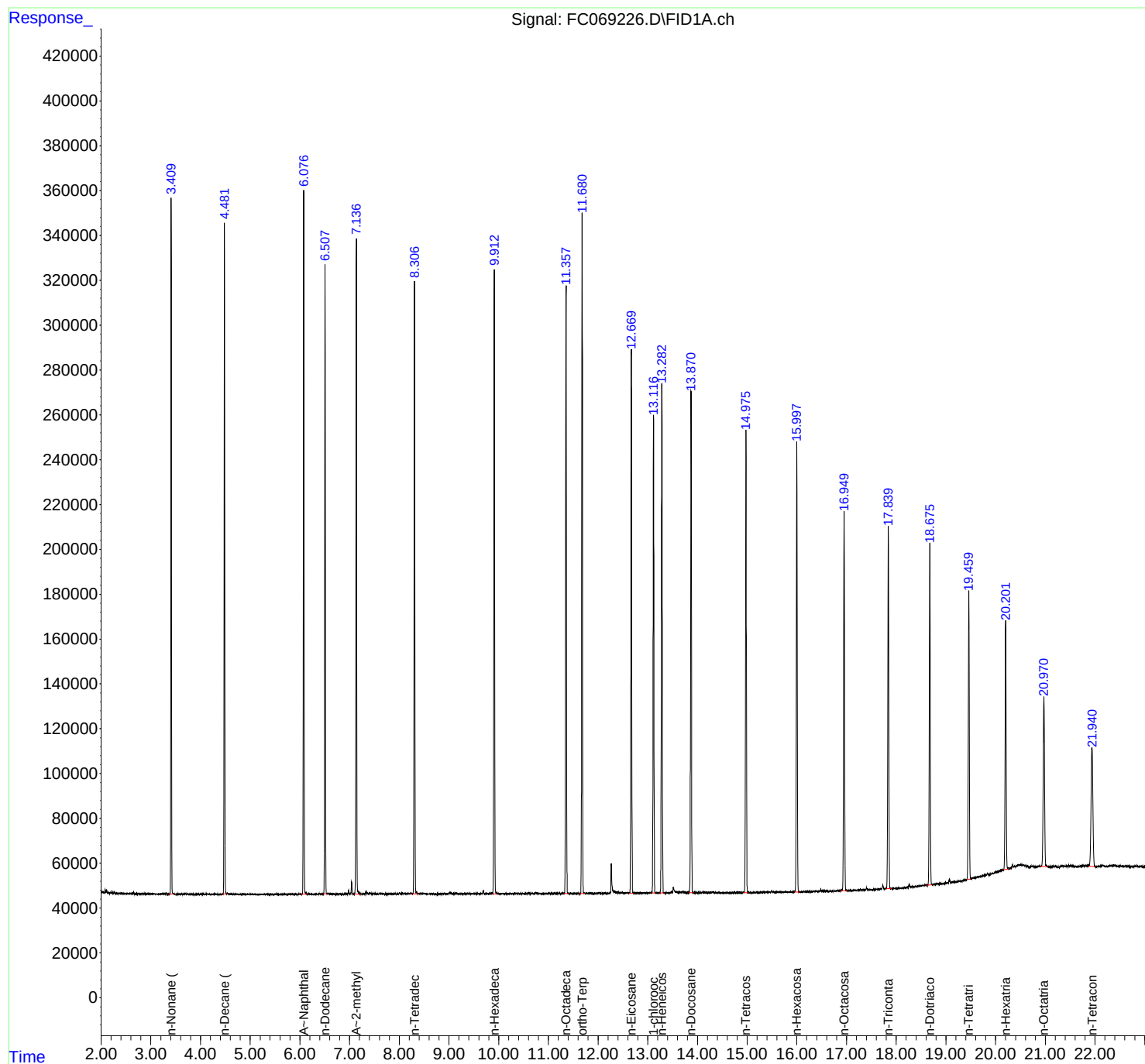
(m)=manual int.

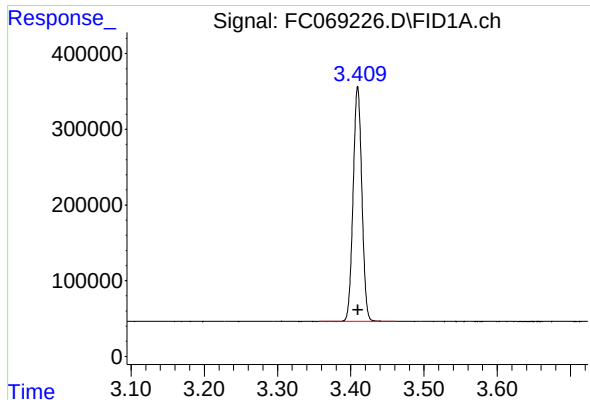
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069226.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 14:45
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jun 18 15:23:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

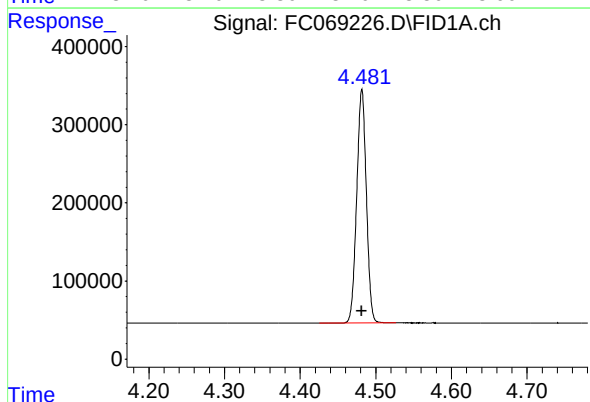




#1 n-Nonane (C9)

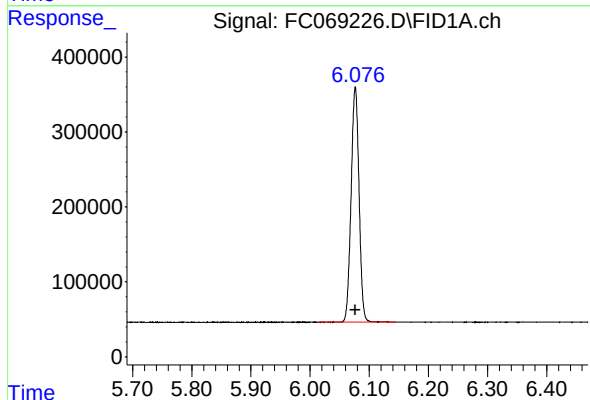
R.T.: 3.410 min
Delta R.T.: 0.000 min
Response: 2571511
Conc: 18.08 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



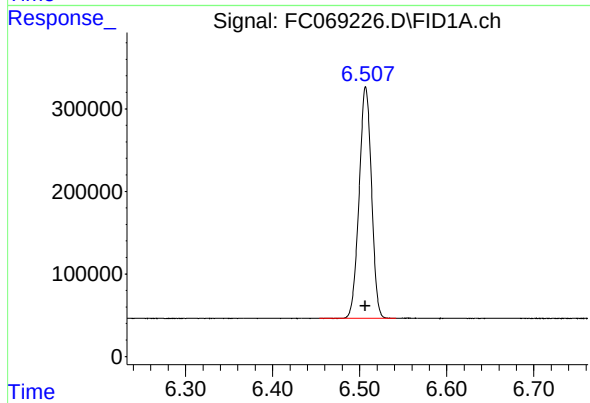
#2 n-Decane (C10)

R.T.: 4.482 min
Delta R.T.: 0.000 min
Response: 2650200
Conc: 18.10 ug/ml



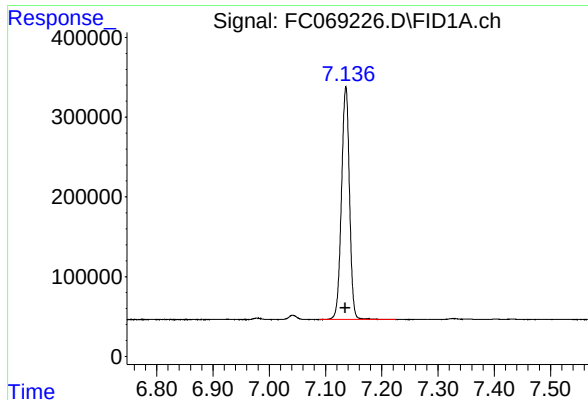
#3 A~Naphthalene (C11.7)

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 2926181
Conc: 18.19 ug/ml



#4 n-Dodecane (C12)

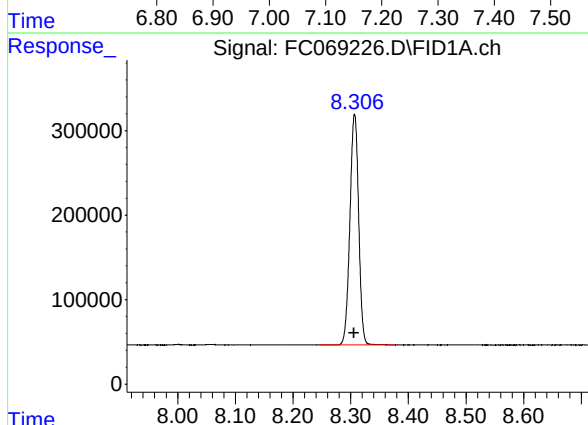
R.T.: 6.507 min
Delta R.T.: 0.000 min
Response: 2762531
Conc: 18.24 ug/ml



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

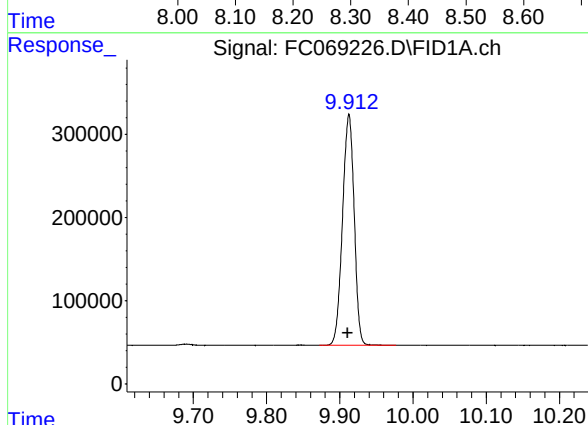
R.T.: 7.136 min
Delta R.T.: 0.000 min
Response: 2898798
Conc: 18.32 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



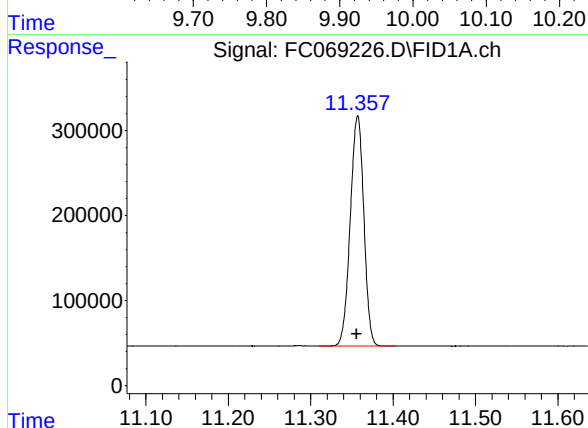
#6 n-Tetradecane (C14)

R.T.: 8.307 min
Delta R.T.: 0.000 min
Response: 2886495
Conc: 18.62 ug/ml



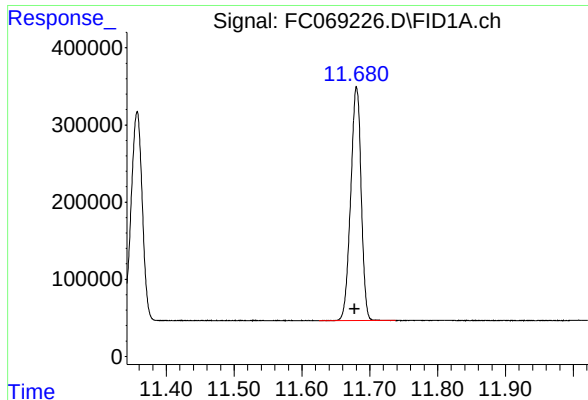
#7 n-Hexadecane (C16)

R.T.: 9.912 min
Delta R.T.: 0.002 min
Response: 3074968
Conc: 18.82 ug/ml



#8 n-Octadecane (C18)

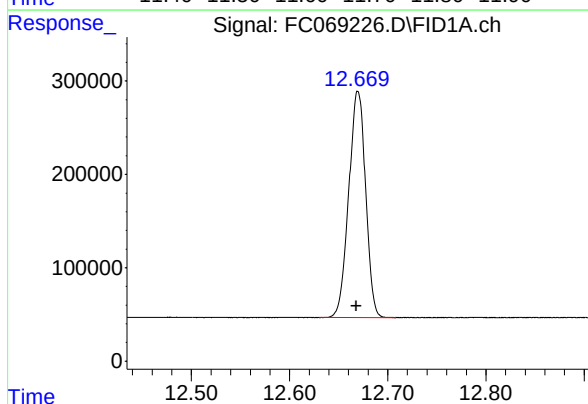
R.T.: 11.357 min
Delta R.T.: 0.001 min
Response: 3098893
Conc: 18.98 ug/ml



#9 ortho-Terphenyl (SURR)

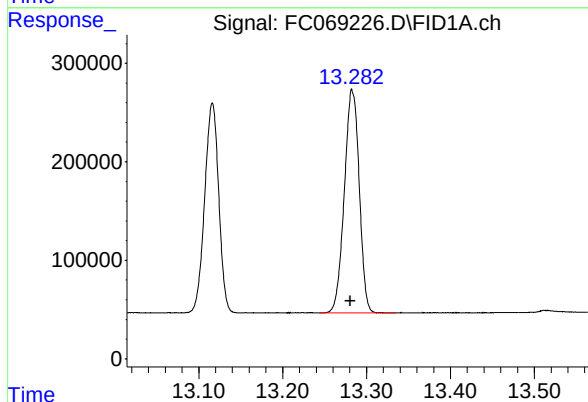
R.T.: 11.680 min
Delta R.T.: 0.003 min
Response: 3253610
Conc: 18.83 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



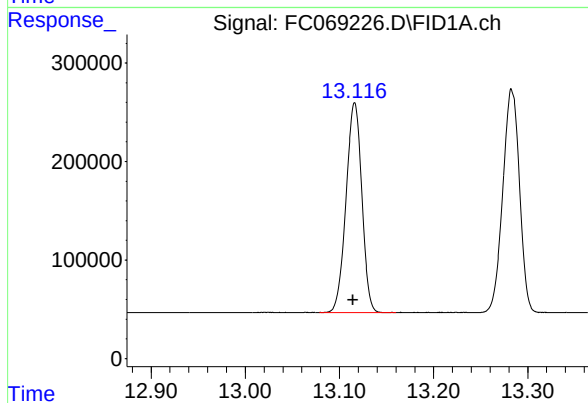
#10 n-Eicosane (C20)

R.T.: 12.670 min
Delta R.T.: 0.002 min
Response: 2897467
Conc: 18.98 ug/ml



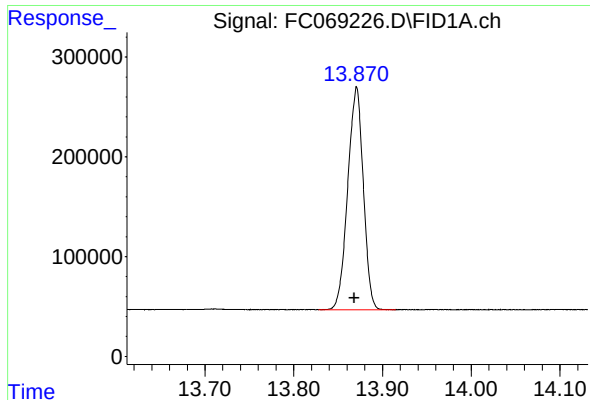
#11 n-Heneicosane (C21)

R.T.: 13.283 min
Delta R.T.: 0.002 min
Response: 2797161
Conc: 18.98 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.116 min
Delta R.T.: 0.002 min
Response: 2474788
Conc: 18.94 ug/ml



#13 n-Docosane (C22)

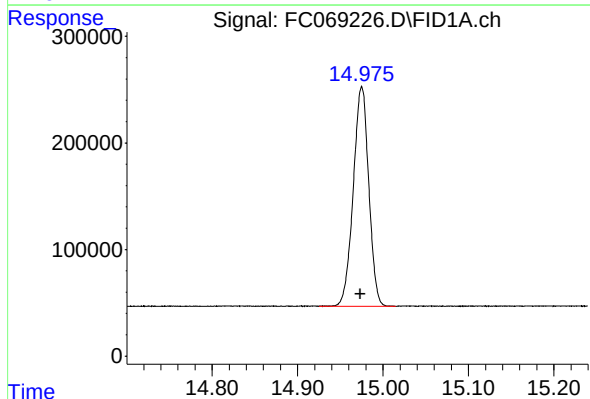
R.T.: 13.871 min
Delta R.T.: 0.002 min
Response: 2718940
Conc: 18.90 ug/ml

Instrument :

FID_C

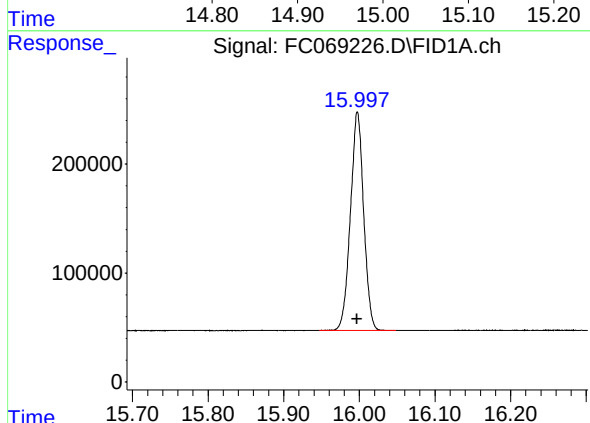
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



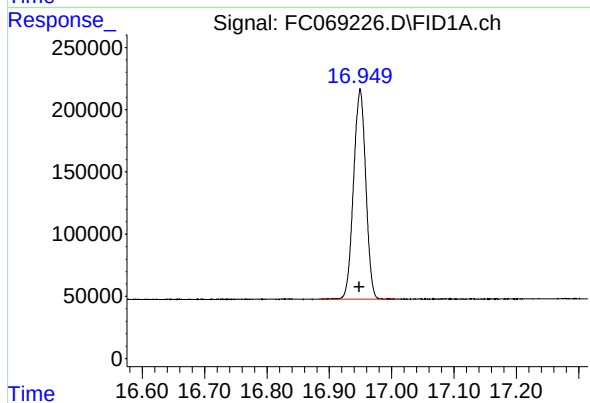
#14 n-Tetracosane (C24)

R.T.: 14.975 min
Delta R.T.: 0.001 min
Response: 2594124
Conc: 18.81 ug/ml



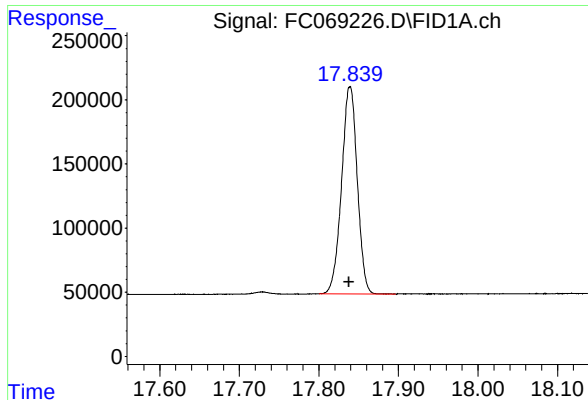
#15 n-Hexacosane (C26)

R.T.: 15.998 min
Delta R.T.: 0.001 min
Response: 2449139
Conc: 18.74 ug/ml



#16 n-Octacosane (C28)

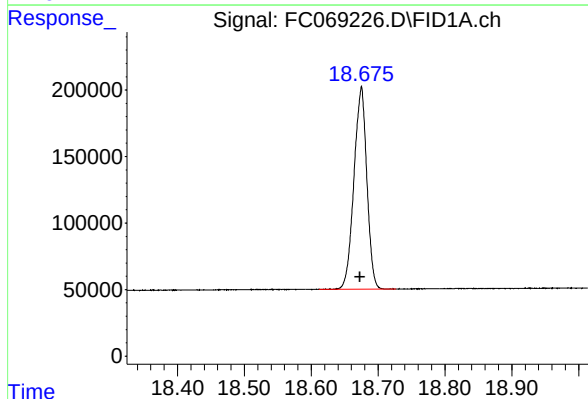
R.T.: 16.949 min
Delta R.T.: 0.000 min
Response: 2300993
Conc: 18.66 ug/ml



#17 n-Tricontane (C30)

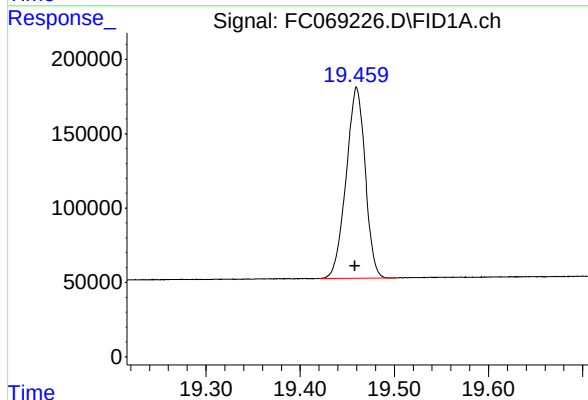
R.T.: 17.839 min
Delta R.T.: 0.001 min
Response: 2215902
Conc: 18.64 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



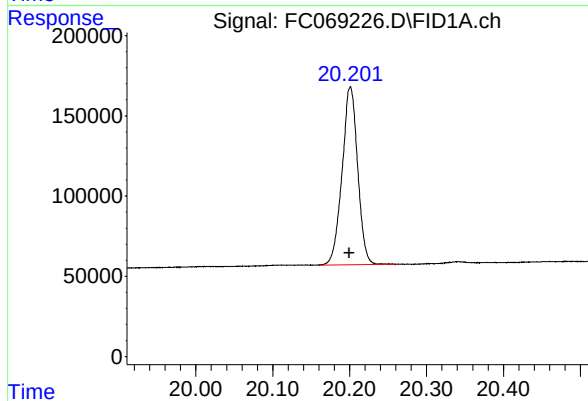
#18 n-Dotriacontane (C32)

R.T.: 18.675 min
Delta R.T.: 0.002 min
Response: 2037377
Conc: 18.63 ug/ml



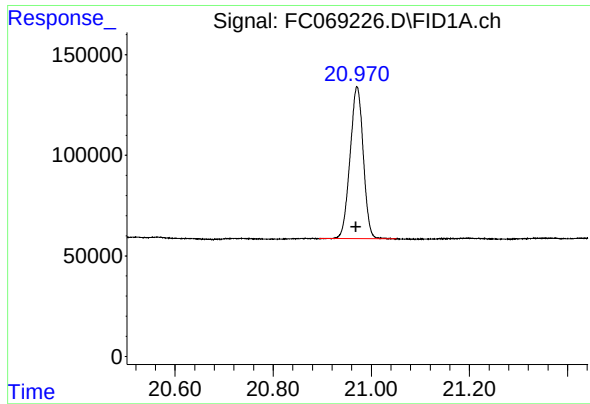
#19 n-Tetatriacontane (C34)

R.T.: 19.460 min
Delta R.T.: 0.002 min
Response: 1803580
Conc: 18.68 ug/ml



#20 n-Hexatriacontane (C36)

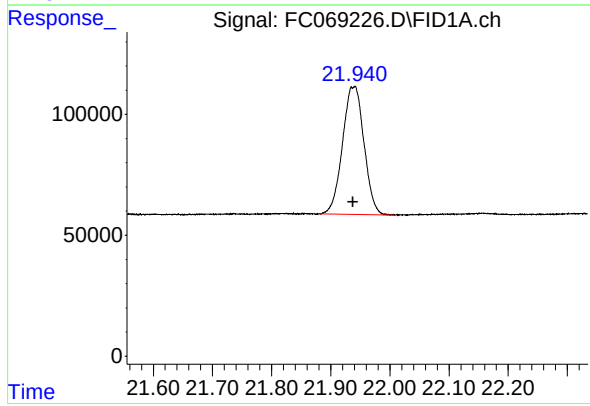
R.T.: 20.201 min
Delta R.T.: 0.001 min
Response: 1557268
Conc: 18.90 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.971 min
Delta R.T.: 0.002 min
Response: 1411730
Conc: 18.89 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.939 min
Delta R.T.: 0.001 min
Response: 1331528
Conc: 18.80 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061825AL\
Data File : FC069226.D
Signal(s) : FID1A.ch
Acq On : 18 Jun 2025 14:45
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 061825.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	3.410	3.357	3.462	BB	310610	2571511	79.04%	4.700%
2	4.482	4.425	4.527	BB	299540	2650200	81.45%	4.844%
3	6.077	6.015	6.145	BB	314091	2926181	89.94%	5.348%
4	6.507	6.453	6.542	BB	280576	2762531	84.91%	5.049%
5	7.136	7.088	7.225	BB	293786	2898798	89.09%	5.298%
6	8.307	8.245	8.378	BB	273480	2886495	88.72%	5.276%
7	9.912	9.872	9.977	BB	276956	3074968	94.51%	5.620%
8	11.357	11.310	11.403	BB	270716	3098893	95.24%	5.664%
9	11.680	11.625	11.738	BB	303465	3253610	100.00%	5.947%
10	12.670	12.630	12.708	BB	242161	2897467	89.05%	5.296%
11	13.116	13.078	13.160	BB	213636	2474788	76.06%	4.523%
12	13.283	13.243	13.335	BB	224409	2797161	85.97%	5.112%
13	13.871	13.828	13.915	BB	223018	2718940	83.57%	4.969%
14	14.975	14.925	15.015	BB	206118	2594124	79.73%	4.741%
15	15.998	15.947	16.048	BB	201397	2449139	75.27%	4.476%
16	16.949	16.883	17.007	BB	168971	2300993	70.72%	4.206%
17	17.839	17.800	17.897	BB	161622	2215902	68.11%	4.050%
18	18.675	18.612	18.727	BB	152633	2037377	62.62%	3.724%
19	19.460	19.420	19.502	BB	128446	1803580	55.43%	3.296%
20	20.201	20.160	20.260	BB	111015	1557268	47.86%	2.846%
21	20.971	20.893	21.050	BB	75755	1411730	43.39%	2.580%
22	21.939	21.880	22.010	BB	52545	1331528	40.92%	2.434%
Sum of corrected areas:							54713182	

Aliphatic EPH 061825.M Wed Jun 18 15:24:52 2025

Initial Calibration Report for SequenceID : FE062725AL

AreaCount

Parameter Range	FE054608.D	FE054609.D	FE054610.D	FE054611.D	FE054612.D	
Aliphatic C9-C12	38319626.000	18841259.000	7903525.000	4345683.000	2255301.000	
Aliphatic C12-C16	26299885.000	12905734.000	5443215.000	2993160.000	1565455.000	
Aliphatic C16-C21	40647007.000	19884289.000	8390490.000	4604333.000	2408955.000	
Aliphatic C21-C28	54422256.000	26660814.000	11204648.000	6127397.000	3213117.000	
Aliphatic C28-C40	69156138.000	36606449.000	15572202.000	9126447.000	5222398.000	
Aliphatic EPH	228844912.000	114898545.000	48514080.000	27197020.000	14665226.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	136055.079333	8.044				
Aliphatic C12-C16	140568.128	8.513				
Aliphatic C16-C21	144393.643333	8.376				
Aliphatic C21-C28	144651.717	8.126				
Aliphatic C28-C40	138647.4919998	17.441				
Aliphatic EPH	140720.791333	11.192				

Concentration

Parameter Range	FE054608.D	FE054609.D	FE054610.D	FE054611.D	FE054612.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	FE054608.D	FE054609.D	FE054610.D	FE054611.D	FE054612.D	
Aliphatic C9-C12	127732.086666	125608.393333	131725.416666	144856.100000	150353.400000	
Aliphatic C12-C16	131499.425000	129057.340000	136080.375000	149658.000000	156545.500000	
Aliphatic C16-C21	135490.023333	132561.926666	139841.500000	153477.766666	160597.000000	

Initial Calibration Report for SequenceID : FE062725AL

Aliphatic C21-C28	136055.640000	133304.070000	140058.100000	153184.925000	160655.850000	
Aliphatic C28-C40	115260.230000	122021.496666	129768.350000	152107.450000	174079.933333	
Aliphatic EPH	127136.062222	127665.050000	134761.333333	151094.555555	162946.955555	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054608.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 12:53
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Jun 27 14:25:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 14:25:10 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)	12.071	15261711	98.315 ug/ml
Spiked Amount 50.000		Recovery =	196.63%
12) S 1-chlorooctadecane (S...	13.503	11912385	98.558 ug/ml
Spiked Amount 50.000		Recovery =	197.12%
Target Compounds			
1) T n-Nonane (C9)	3.421	12635864	98.501 ug/ml
2) T n-Decane (C10)	4.676	12802268	98.438 ug/ml
3) T A~Naphthalene (C11.7)	6.388	14212427	98.414 ug/ml
4) T n-Dodecane (C12)	6.848	12881494	98.444 ug/ml
5) T A~2-methylnaphthalene...	7.488	13806245	98.393 ug/ml
6) T n-Tetradecane (C14)	8.683	12896740	98.170 ug/ml
7) T n-Hexadecane (C16)	10.296	13403145	98.402 ug/ml
8) T n-Octadecane (C18)	11.745	13738504	98.383 ug/ml
10) T n-Eicosane (C20)	13.057	13489369	98.417 ug/ml
11) T n-Heneicosane (C21)	13.671	13419134	98.460 ug/ml
13) T n-Docosane (C22)	14.257	13479858	98.591 ug/ml
14) T n-Tetracosane (C24)	15.363	13696854	98.641 ug/ml
15) T n-Hexacosane (C26)	16.386	13694406	98.865 ug/ml
16) T n-Octacosane (C28)	17.337	13551138	98.105 ug/ml
17) T n-Tricontane (C30)	18.224	13754161	95.716 ug/ml
18) T n-Dotriacontane (C32)	19.056	13143119	93.127 ug/ml
19) T n-Tetratriacontane (C34)	19.839	12141560	91.978 ug/ml
20) T n-Hexatriacontane (C36)	20.578	11077409	94.492 ug/ml
21) T n-Octatriacontane (C38)	21.352	9810489	94.258 ug/ml
22) T n-Tetracontane (C40)	22.334	9229400	95.208 ug/ml

(f)=RT Delta > 1/2 Window

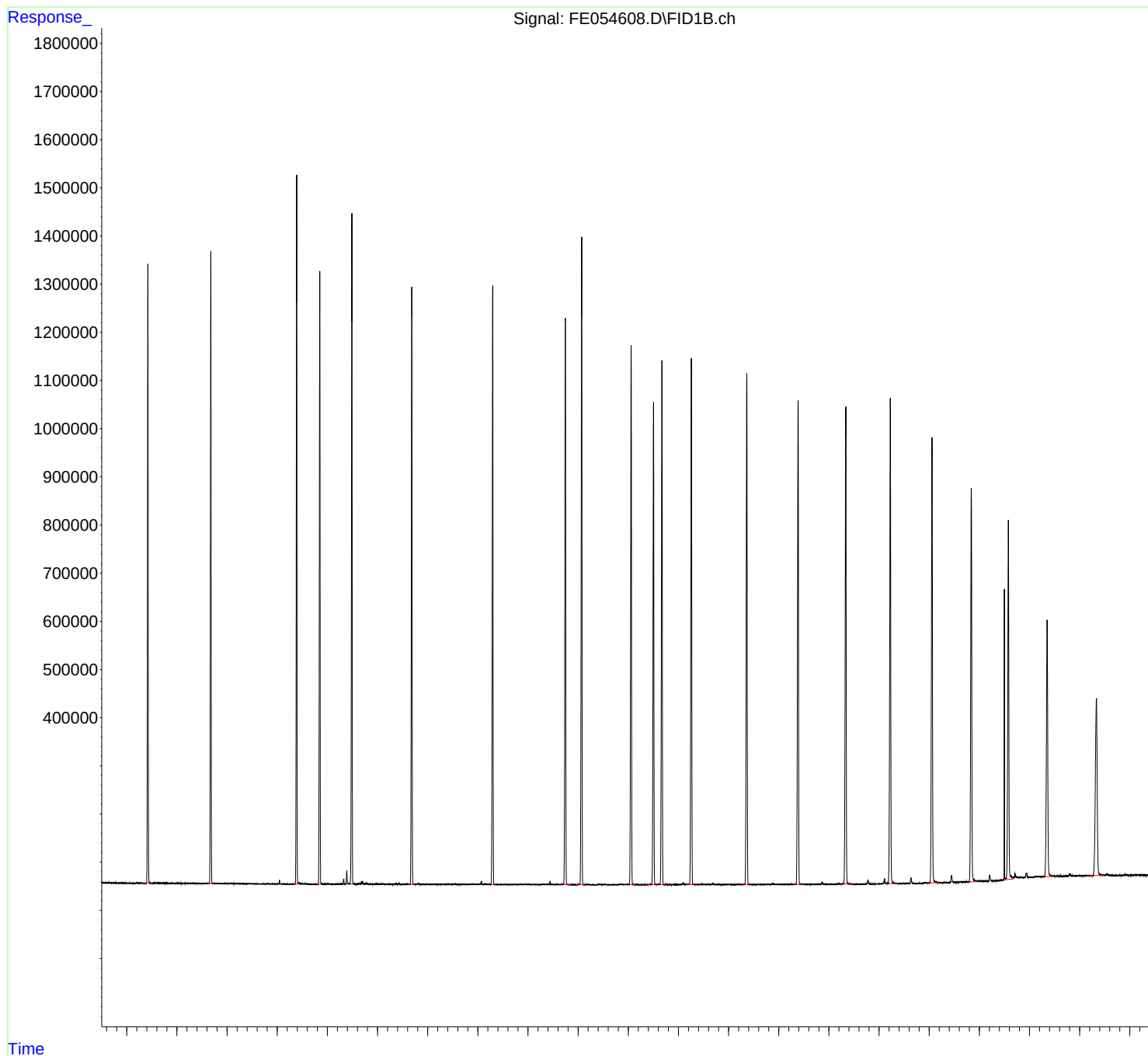
(m)=manual int.

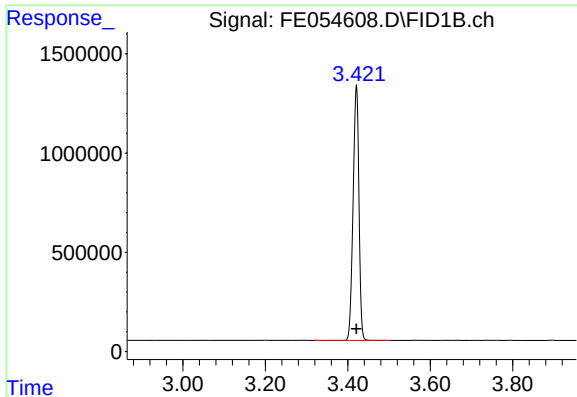
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054608.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 12:53
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jun 27 14:25:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 14:25:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 u1
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

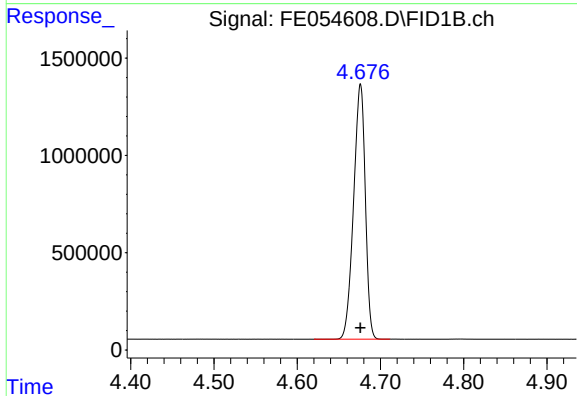




#1 n-Nonane (C9)

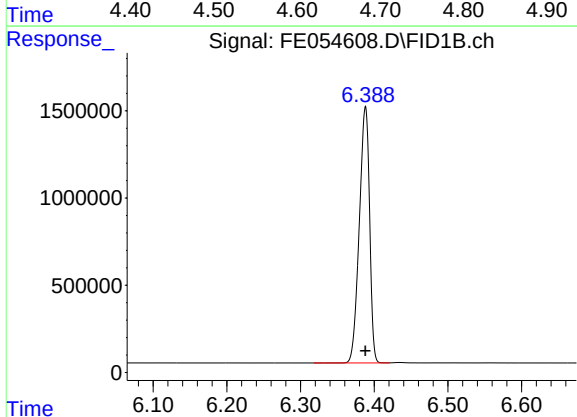
R.T.: 3.421 min
Delta R.T.: 0.000 min
Response: 12635864
Conc: 98.50 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



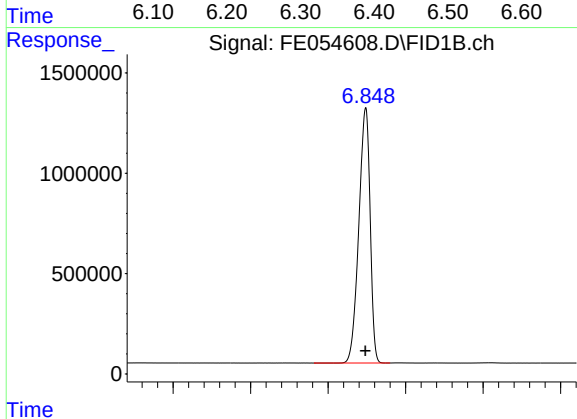
#2 n-Decane (C10)

R.T.: 4.676 min
Delta R.T.: 0.000 min
Response: 12802268
Conc: 98.44 ug/ml



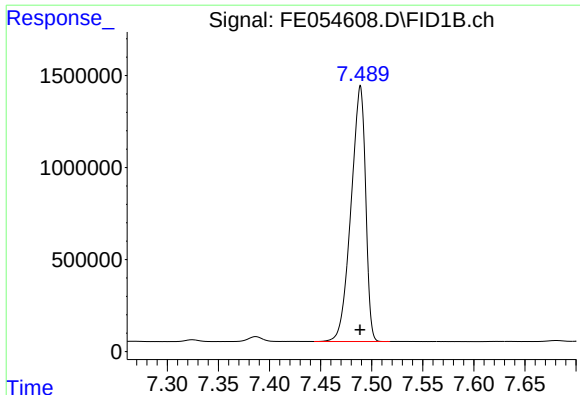
#3 A~Naphthalene (C11.7)

R.T.: 6.388 min
Delta R.T.: 0.000 min
Response: 14212427
Conc: 98.41 ug/ml



#4 n-Dodecane (C12)

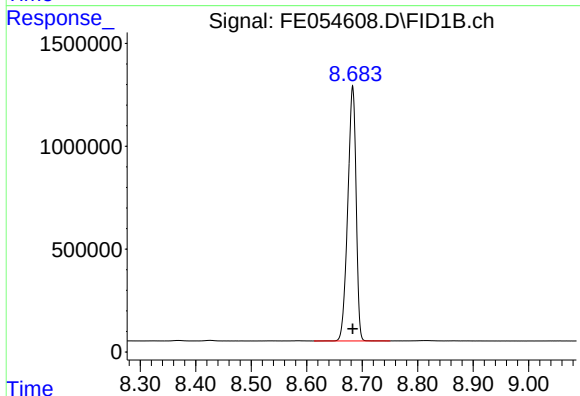
R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 12881494
Conc: 98.44 ug/ml



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

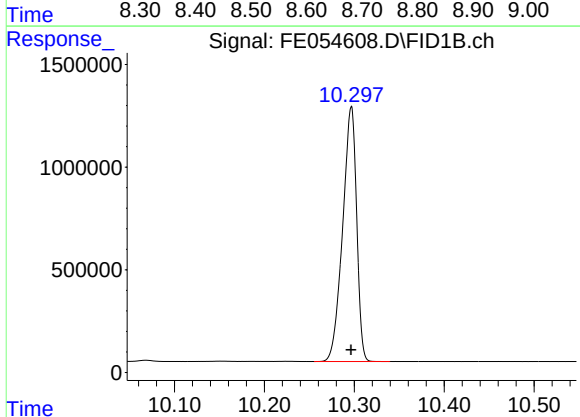
R.T.: 7.488 min
Delta R.T.: 0.000 min
Response: 13806245
Conc: 98.39 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



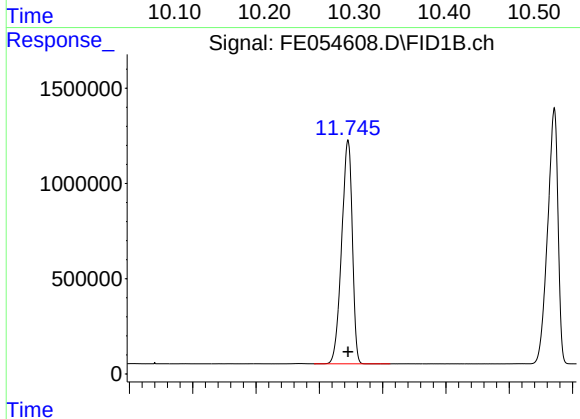
#6 n-Tetradecane (C14)

R.T.: 8.683 min
Delta R.T.: 0.000 min
Response: 12896740
Conc: 98.17 ug/ml



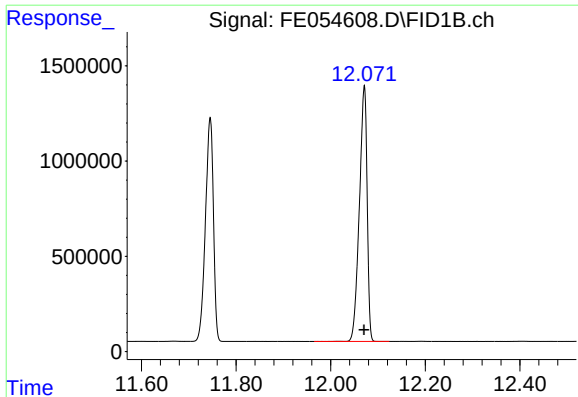
#7 n-Hexadecane (C16)

R.T.: 10.296 min
Delta R.T.: 0.000 min
Response: 13403145
Conc: 98.40 ug/ml



#8 n-Octadecane (C18)

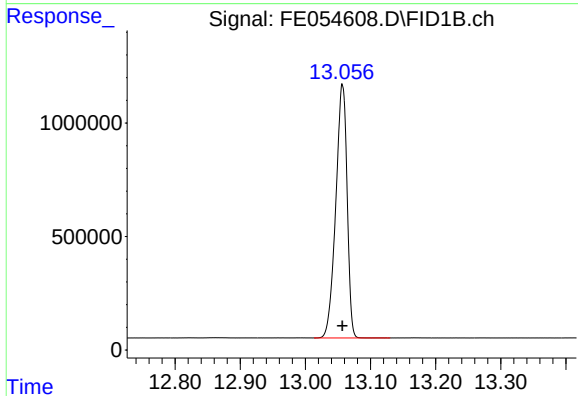
R.T.: 11.745 min
Delta R.T.: 0.000 min
Response: 13738504
Conc: 98.38 ug/ml



#9 ortho-Terphenyl (SURR)

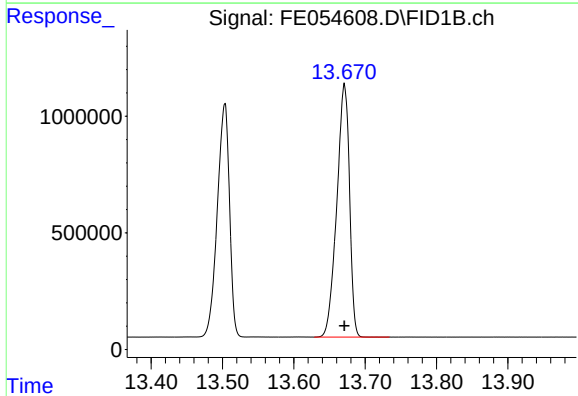
R.T.: 12.071 min
Delta R.T.: 0.000 min
Response: 15261711
Conc: 98.32 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



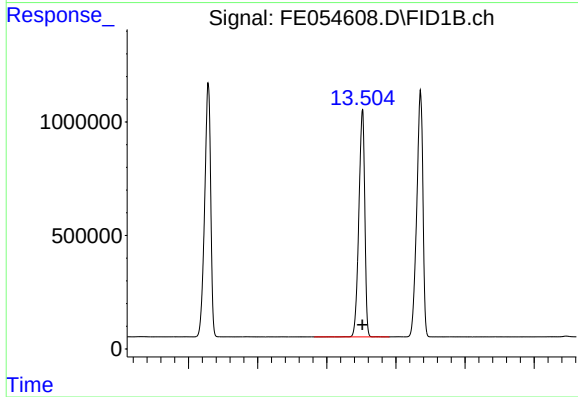
#10 n-Eicosane (C20)

R.T.: 13.057 min
Delta R.T.: 0.000 min
Response: 13489369
Conc: 98.42 ug/ml



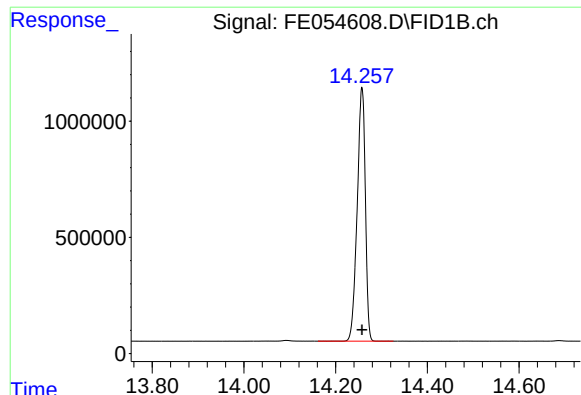
#11 n-Heneicosane (C21)

R.T.: 13.671 min
Delta R.T.: 0.000 min
Response: 13419134
Conc: 98.46 ug/ml



#12 1-chlorooctadecane (SURR)

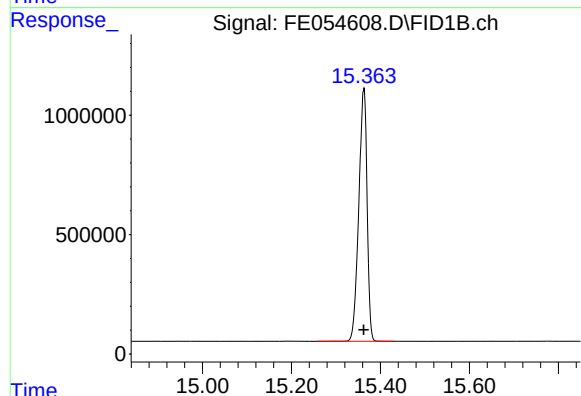
R.T.: 13.503 min
Delta R.T.: 0.000 min
Response: 11912385
Conc: 98.56 ug/ml



#13 n-Docosane (C22)

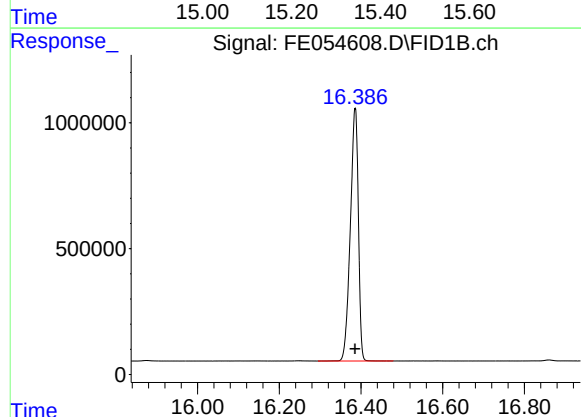
R.T.: 14.257 min
Delta R.T.: 0.000 min
Response: 13479858
Conc: 98.59 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



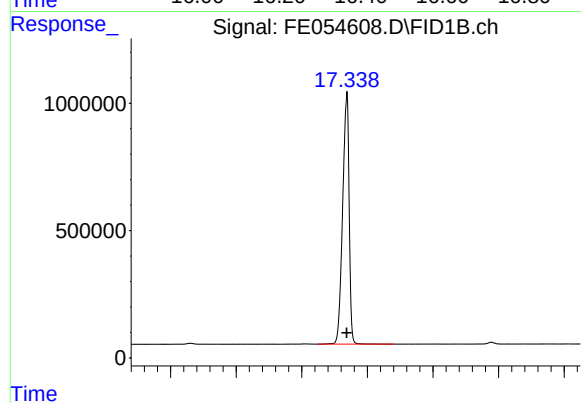
#14 n-Tetracosane (C24)

R.T.: 15.363 min
Delta R.T.: 0.000 min
Response: 13696854
Conc: 98.64 ug/ml



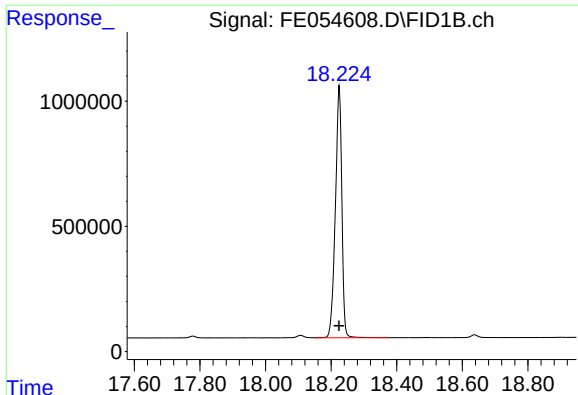
#15 n-Hexacosane (C26)

R.T.: 16.386 min
Delta R.T.: 0.000 min
Response: 13694406
Conc: 98.86 ug/ml



#16 n-Octacosane (C28)

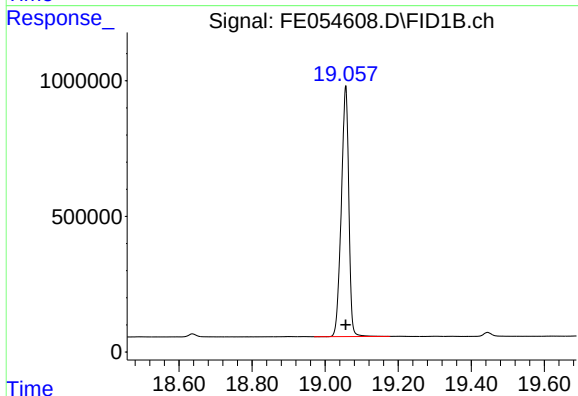
R.T.: 17.337 min
Delta R.T.: 0.000 min
Response: 13551138
Conc: 98.10 ug/ml



#17 n-Tricontane (C30)

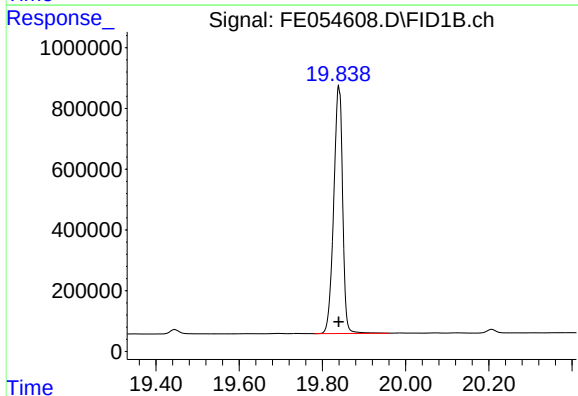
R.T.: 18.224 min
Delta R.T.: 0.000 min
Response: 13754161
Conc: 95.72 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



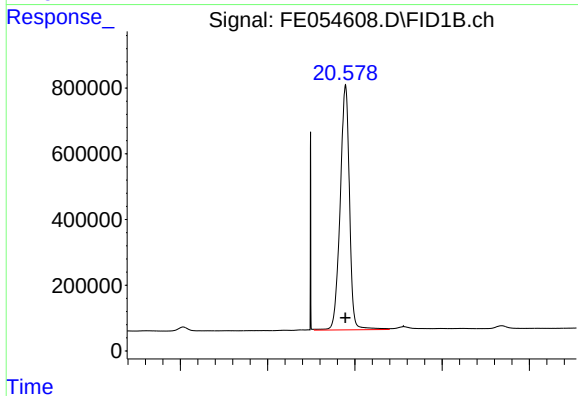
#18 n-Dotriacontane (C32)

R.T.: 19.056 min
Delta R.T.: 0.000 min
Response: 13143119
Conc: 93.13 ug/ml



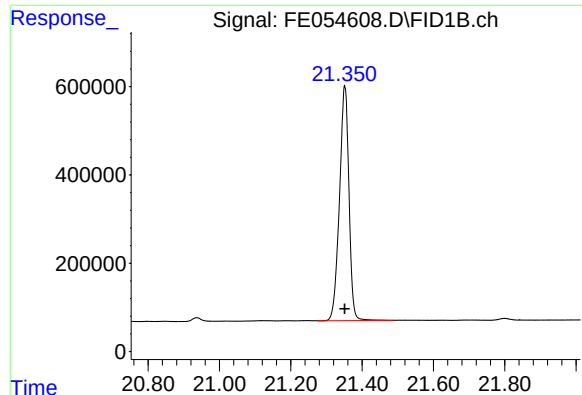
#19 n-Tetratriacontane (C34)

R.T.: 19.839 min
Delta R.T.: 0.000 min
Response: 12141560
Conc: 91.98 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.578 min
Delta R.T.: 0.000 min
Response: 11077409
Conc: 94.49 ug/ml



#21 n-Octatriacontane (C38)

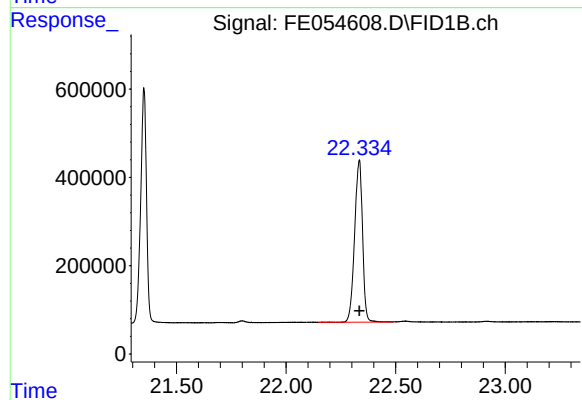
R.T.: 21.352 min
Delta R.T.: 0.000 min
Response: 9810489
Conc: 94.26 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.334 min
Delta R.T.: 0.000 min
Response: 9229400
Conc: 95.21 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\

Data File : FE054608.D

Signal(s) : FID1B.ch

Acq On : 27 Jun 2025 12:53

Sample : 100 PPM ALIPHATIC HC STD1

Misc :

ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.421	3.319	3.500	BB	1283528	12635864	82.79%	4.449%
2	4.676	4.620	4.710	BV	1312539	12802268	83.88%	4.507%
3	6.388	6.319	6.420	BV	1479361	14212427	93.12%	5.004%
4	6.848	6.782	6.879	BV	1278516	12881494	84.40%	4.535%
5	7.488	7.444	7.517	VV	1394772	13806245	90.46%	4.861%
6	8.683	8.614	8.749	PB	1234943	12896740	84.50%	4.541%
7	10.296	10.255	10.339	PB	1250423	13403145	87.82%	4.719%
8	11.745	11.692	11.810	VB	1176747	13738504	90.02%	4.837%
9	12.071	11.965	12.124	BB	1336962	15261711	100.00%	5.373%
10	13.057	13.014	13.129	PB	1115976	13489369	88.39%	4.749%
11	13.503	13.364	13.580	BV	997573	11912385	78.05%	4.194%
12	13.671	13.629	13.734	VB	1084496	13419134	87.93%	4.724%
13	14.257	14.162	14.325	BB	1093867	13479858	88.32%	4.746%
14	15.363	15.260	15.429	BB	1054542	13696854	89.75%	4.822%
15	16.386	16.295	16.479	BB	1005481	13694406	89.73%	4.821%
16	17.337	17.250	17.479	BB	985681	13551138	88.79%	4.771%
17	18.224	18.149	18.377	VB	1004571	13754161	90.12%	4.842%
18	19.056	18.970	19.175	BV	923456	13143119	86.12%	4.627%
19	19.839	19.780	19.960	BV	814419	12141560	79.56%	4.275%
20	20.578	20.507	20.679	VV	746760	11077409	72.58%	3.900%
21	21.352	21.277	21.487	BV	529504	9810489	64.28%	3.454%
22	22.334	22.147	22.489	BV	367080	9229400	60.47%	3.249%

Sum of corrected areas: 284037678

Aliphatic EPH 062725.M Sat Jun 28 02:13:46 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054609.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 13:23
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/30/2025
 Supervised By :mohammad ahmed 06/30/2025

Integration File: autoint1.e
 Quant Time: Jun 27 14:26:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 Qlast Update : Fri Jun 27 14:26:43 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)	12.065	7472405	48.742 ug/ml
Spiked Amount 50.000		Recovery =	97.48%
12) S 1-chlorooctadecane (S...	13.499	5810376	48.698 ug/ml
Spiked Amount 50.000		Recovery =	97.40%
Target Compounds			
1) T n-Nonane (C9)	3.418	6226788	49.017 ug/ml
2) T n-Decane (C10)	4.673	6290394	48.900 ug/ml
3) T A~Naphthalene (C11.7)	6.384	6971284	48.835 ug/ml
4) T n-Dodecane (C12)	6.845	6324077	48.874 ug/ml
5) T A~2-methylnaphthalene...	7.484	6781515	48.874 ug/ml
6) T n-Tetradecane (C14)	8.679	6340887	48.831 ug/ml
7) T n-Hexadecane (C16)	10.292	6564847	48.783 ug/ml
8) T n-Octadecane (C18)	11.741	6726768	48.766 ug/ml
10) T n-Eicosane (C20)	13.053	6597648	48.742 ug/ml
11) T n-Heneicosane (C21)	13.666	6559873	48.739 ug/ml
13) T n-Docosane (C22)	14.254	6582801	48.749 ug/ml
14) T n-Tetracosane (C24)	15.358	6691637	48.779 ug/ml
15) T n-Hexacosane (C26)	16.381	6698709	48.895 ug/ml
16) T n-Octacosane (C28)	17.331	6687667	48.933 ug/ml
17) T n-Tricontane (C30)	18.220	7024431	49.250 ug/ml
18) T n-Dotriacontane (C32)	19.053	7061554	50.024 ug/ml
19) T n-Tetratriacontane (C34)	19.836	6627704	50.139 ug/ml
20) T n-Hexatriacontane (C36)	20.576	5878224	50.095 ug/ml
21) T n-Octatriacontane (C38)	21.348	5181070	49.853 ug/ml
22) T n-Tetracontane (C40)	22.327	4833466	49.907 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054609.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 13:23
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 7 Sample Multiplier: 1

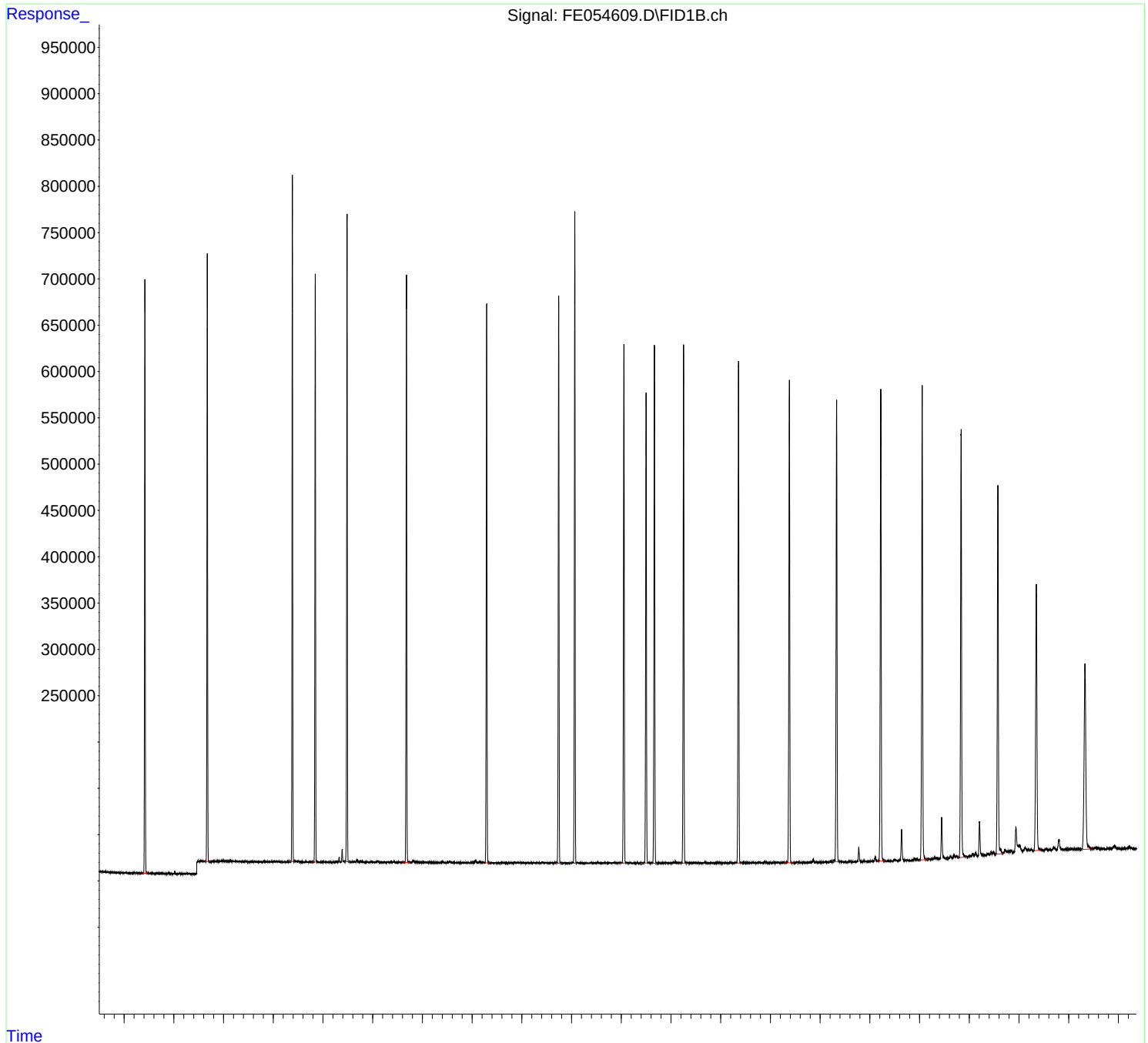
Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

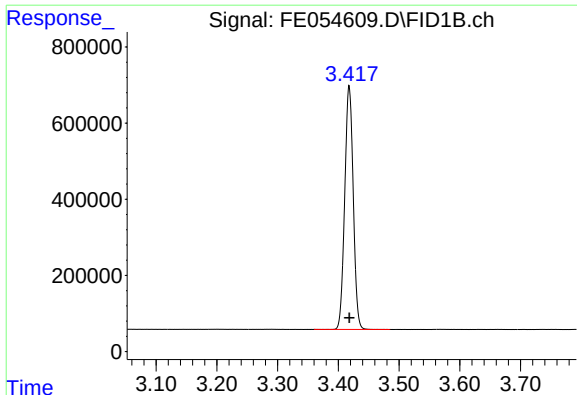
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025

Integration File: autoint1.e
Quant Time: Jun 27 14:26:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 14:26:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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





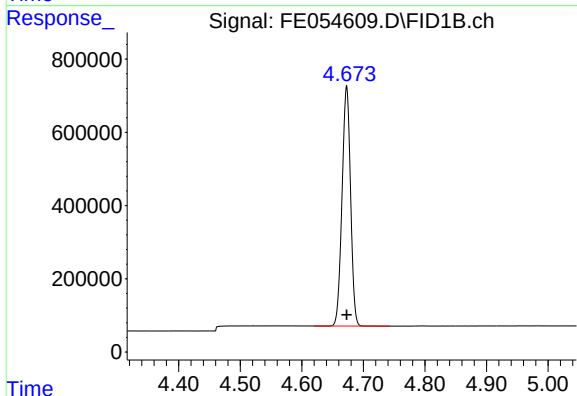
#1 n-Nonane (C9)

R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 6226788
Conc: 49.02 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

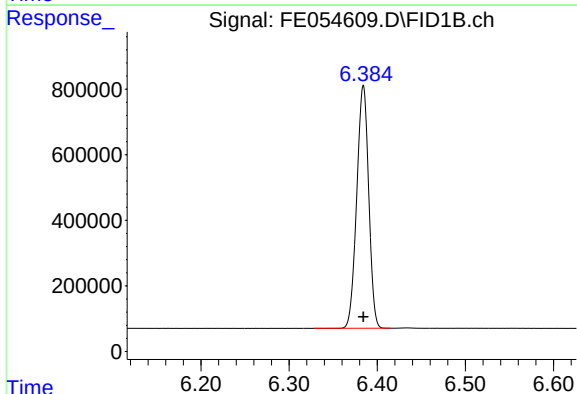
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025



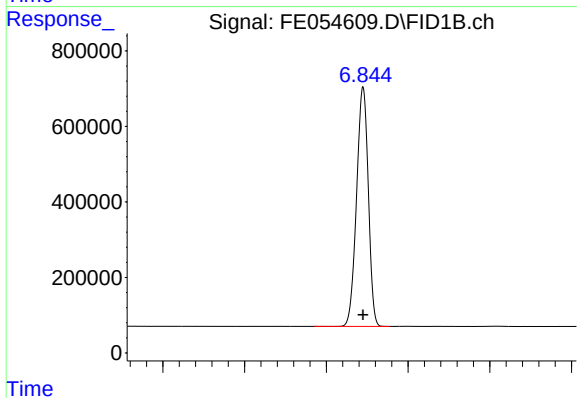
#2 n-Decane (C10)

R.T.: 4.673 min
Delta R.T.: 0.000 min
Response: 6290394
Conc: 48.90 ug/ml



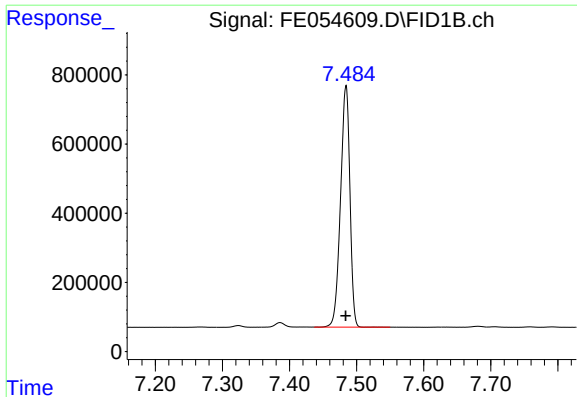
#3 A~Naphthalene (C11.7)

R.T.: 6.384 min
Delta R.T.: 0.000 min
Response: 6971284
Conc: 48.83 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.845 min
Delta R.T.: 0.000 min
Response: 6324077
Conc: 48.87 ug/ml



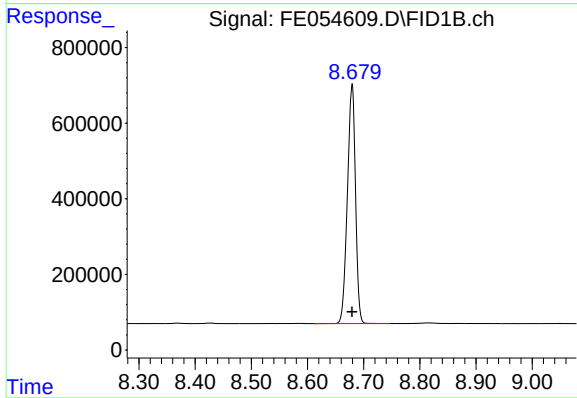
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.484 min
Delta R.T.: 0.000 min
Response: 6781515
Conc: 48.87 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

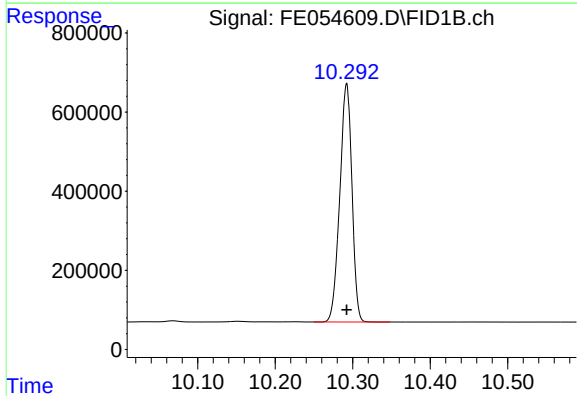
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025



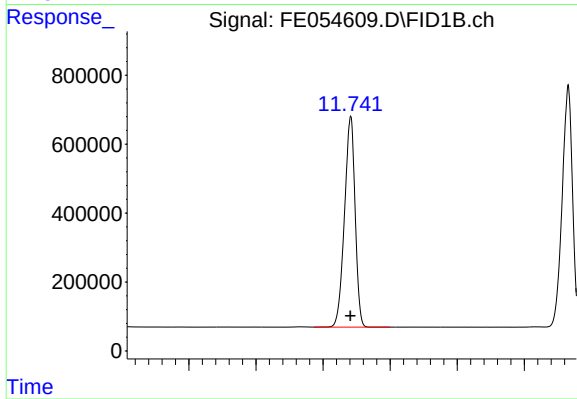
#6 n-Tetradecane (C14)

R.T.: 8.679 min
Delta R.T.: 0.000 min
Response: 6340887
Conc: 48.83 ug/ml



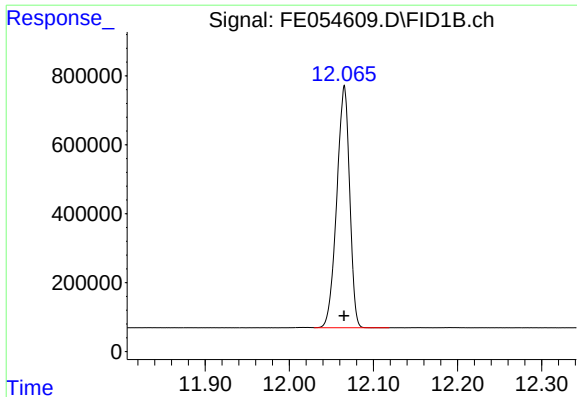
#7 n-Hexadecane (C16)

R.T.: 10.292 min
Delta R.T.: 0.000 min
Response: 6564847
Conc: 48.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.741 min
Delta R.T.: 0.000 min
Response: 6726768
Conc: 48.77 ug/ml



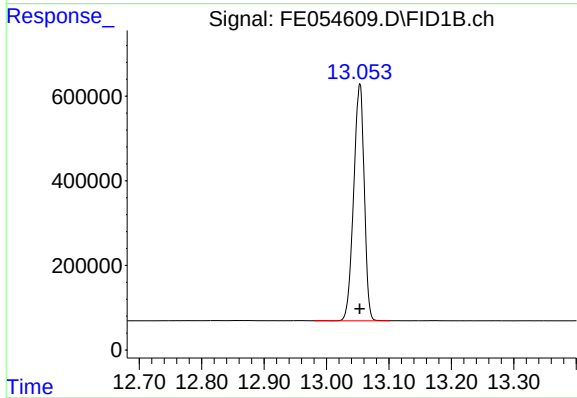
#9 ortho-Terphenyl (SURR)

R.T.: 12.065 min
Delta R.T.: 0.000 min
Response: 7472405
Conc: 48.74 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

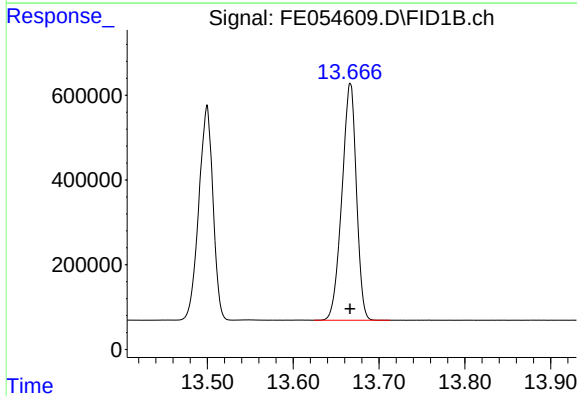
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025



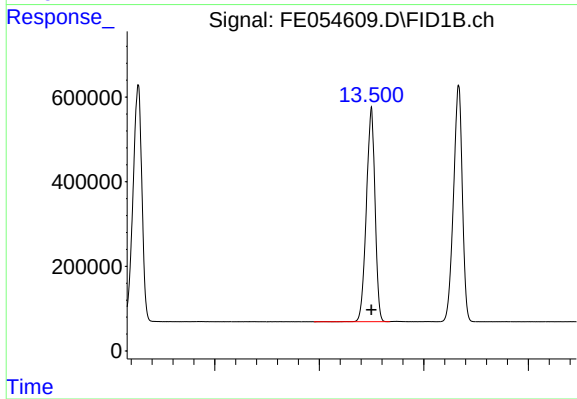
#10 n-Eicosane (C20)

R.T.: 13.053 min
Delta R.T.: 0.000 min
Response: 6597648
Conc: 48.74 ug/ml



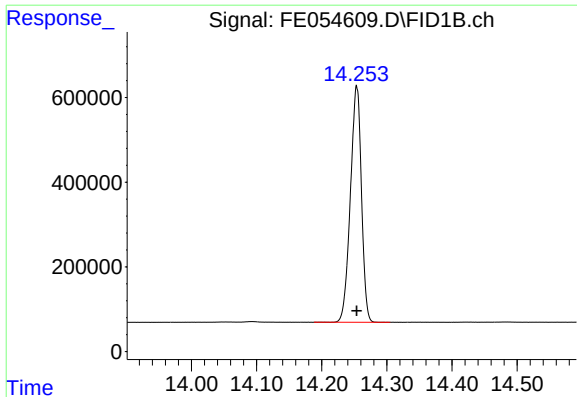
#11 n-Heneicosane (C21)

R.T.: 13.666 min
Delta R.T.: 0.000 min
Response: 6559873
Conc: 48.74 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.499 min
Delta R.T.: 0.000 min
Response: 5810376
Conc: 48.70 ug/ml



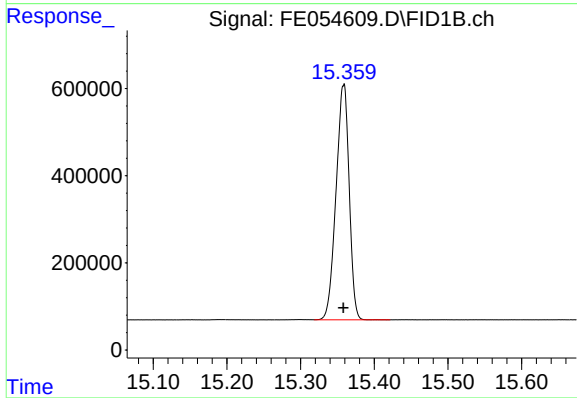
#13 n-Docosane (C22)

R.T.: 14.254 min
Delta R.T.: 0.000 min
Response: 6582801
Conc: 48.75 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

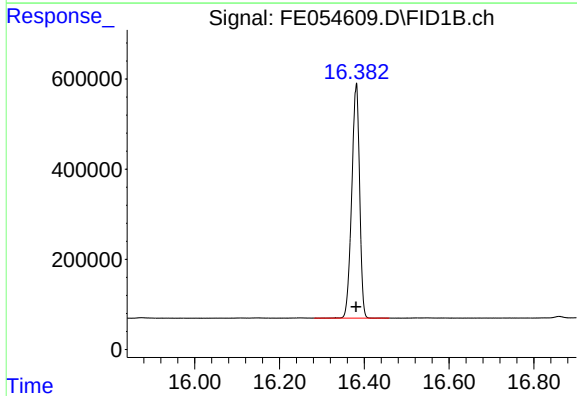
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025



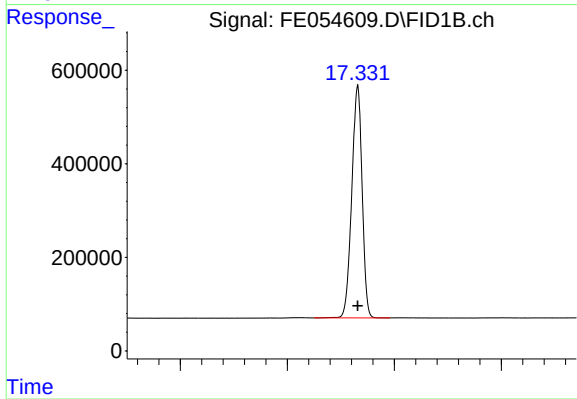
#14 n-Tetracosane (C24)

R.T.: 15.358 min
Delta R.T.: 0.000 min
Response: 6691637
Conc: 48.78 ug/ml



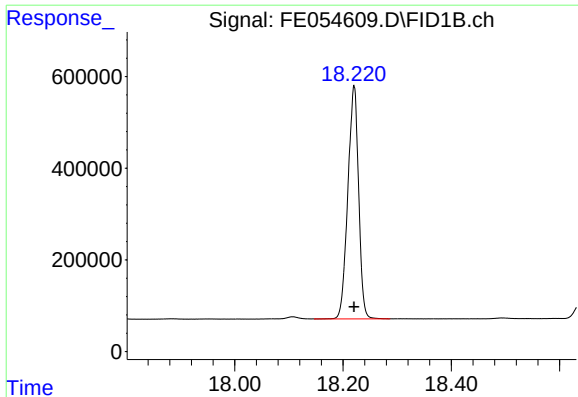
#15 n-Hexacosane (C26)

R.T.: 16.381 min
Delta R.T.: 0.000 min
Response: 6698709
Conc: 48.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.331 min
Delta R.T.: 0.000 min
Response: 6687667
Conc: 48.93 ug/ml



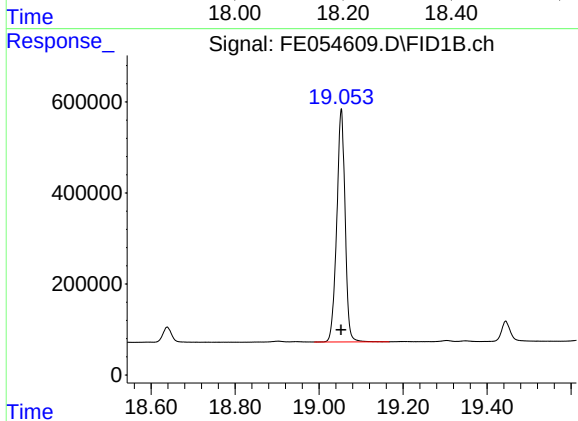
#17 n-Tricontane (C30)

R.T.: 18.220 min
Delta R.T.: 0.000 min
Response: 7024431
Conc: 49.25 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

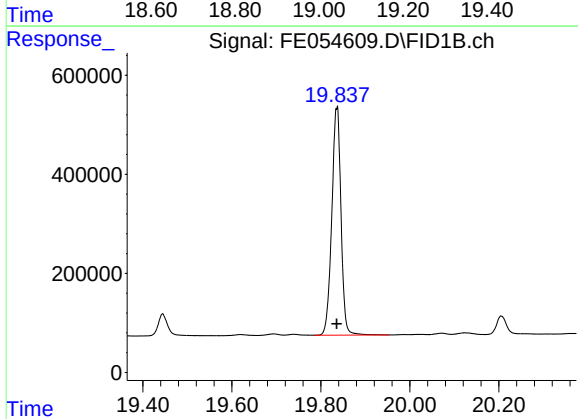
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025



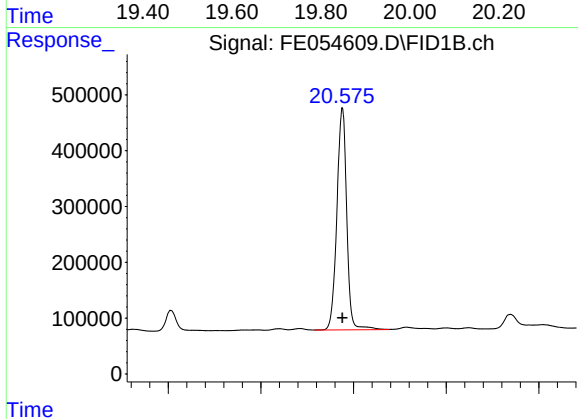
#18 n-Dotriacontane (C32)

R.T.: 19.053 min
Delta R.T.: 0.000 min
Response: 7061554
Conc: 50.02 ug/ml



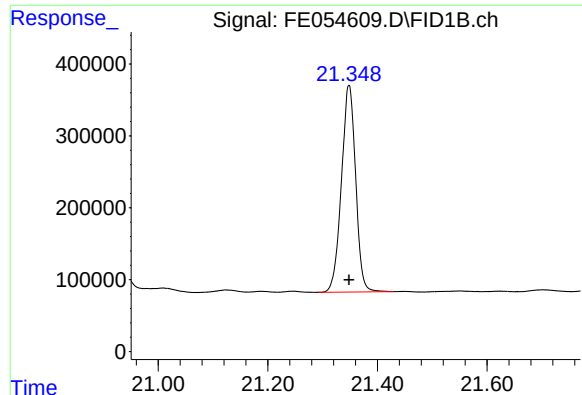
#19 n-Tetratriacontane (C34)

R.T.: 19.836 min
Delta R.T.: 0.000 min
Response: 6627704
Conc: 50.14 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.576 min
Delta R.T.: 0.000 min
Response: 5878224
Conc: 50.09 ug/ml



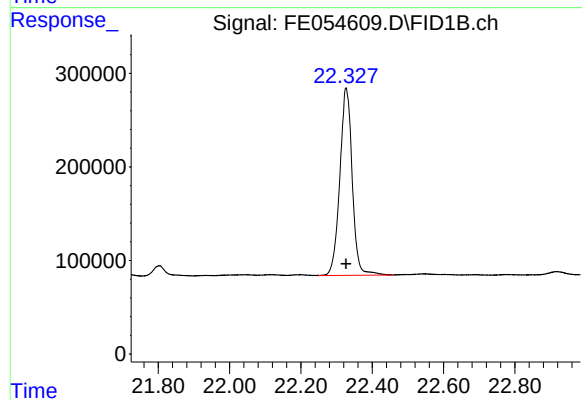
#21 n-Octatriacontane (C38)

R.T.: 21.348 min
Delta R.T.: 0.000 min
Response: 5181070
Conc: 49.85 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/30/2025
Supervised By :mohammad ahmed 06/30/2025



#22 n-Tetracontane (C40)

R.T.: 22.327 min
Delta R.T.: 0.000 min
Response: 4833466
Conc: 49.91 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\

Data File : FE054609.D

Signal(s) : FID1B.ch

Acq On : 27 Jun 2025 13:23

Sample : 50 PPM ALIPHATIC HC STD2

Misc :

ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.418	3.360	3.484	BB	636637	6226788	83.33%	4.387%
2	4.673	4.620	4.742	BB	656352	6290394	84.18%	4.432%
3	6.384	6.329	6.414	BV	740919	6971284	93.29%	4.912%
4	6.845	6.785	6.877	BV	635637	6324077	84.63%	4.456%
5	7.484	7.437	7.549	BB	696784	6781515	90.75%	4.778%
6	8.679	8.612	8.745	BB	627912	6340887	84.86%	4.467%
7	10.292	10.250	10.347	BB	602896	6564847	87.85%	4.625%
8	11.741	11.687	11.799	VB	609597	6726768	90.02%	4.739%
9	12.065	12.030	12.119	VB	704192	7472405	100.00%	5.265%
10	13.053	12.980	13.100	BB	562485	6597648	88.29%	4.648%
11	13.499	13.390	13.534	BV	501995	5810376	77.76%	4.094%
12	13.666	13.625	13.712	PB	560211	6559873	87.79%	4.622%
13	14.254	14.189	14.304	BB	559020	6582801	88.09%	4.638%
14	15.358	15.319	15.420	VB	539298	6691637	89.55%	4.715%
15	16.381	16.282	16.459	BB	513585	6698709	89.65%	4.720%
16	17.331	17.250	17.390	BV	499581	6687667	89.50%	4.712%
17	18.220	18.147	18.285	VB	509924	7024431	94.00%	4.949%
18	19.053	18.989	19.167	BB	510669	7061554	94.50%	4.975%
19	19.836	19.785	19.954	VV	457918	6627704	88.70%	4.670%
20	20.576	20.515	20.677	VV	398656	5878224	78.67%	4.142%
21	21.348	21.292	21.429	PV	287822	5181070	69.34%	3.650%
22	22.327	22.249	22.459	BV	200256	4833466	64.68%	3.405%

Sum of corrected areas: 141934123

Instrument :

FID_E

LabSampleId :

50 PPM ALIPHATIC HC STD2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/30/2025

Supervised By :mohammad ahmed 06/30/2025

Aliphatic EPH 062725.M Sat Jun 28 02:15:27 2025

Instrument :

FID_E

LabSampleId :

50 PPM ALIPHATIC HC STD2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/30/2025

Supervised By :mohammad ahmed 06/30/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054610.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 13:53
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Jun 27 14:22:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 14:22:06 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)	12.062	3156943	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.497	2452207	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.417	2604070	20.000 ug/ml
2) T n-Decane (C10)	4.672	2641707	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.383	2934117	20.000 ug/ml
4) T n-Dodecane (C12)	6.844	2657748	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.482	2851436	20.000 ug/ml
6) T n-Tetradecane (C14)	8.677	2675509	20.000 ug/ml
7) T n-Hexadecane (C16)	10.290	2767706	20.000 ug/ml
8) T n-Octadecane (C18)	11.737	2838043	20.000 ug/ml
10) T n-Eicosane (C20)	13.050	2784649	20.000 ug/ml
11) T n-Heneicosane (C21)	13.664	2767798	20.000 ug/ml
13) T n-Docosane (C22)	14.251	2773055	20.000 ug/ml
14) T n-Tetracosane (C24)	15.356	2814871	20.000 ug/ml
15) T n-Hexacosane (C26)	16.378	2801775	20.000 ug/ml
16) T n-Octacosane (C28)	17.329	2814947	20.000 ug/ml
17) T n-Tricontane (C30)	18.217	2997062	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.050	3016622	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.834	2851871	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.572	2473790	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.345	2201144	20.000 ug/ml
22) T n-Tetracontane (C40)	22.321	2031713	20.000 ug/ml

(f)=RT Delta > 1/2 Window

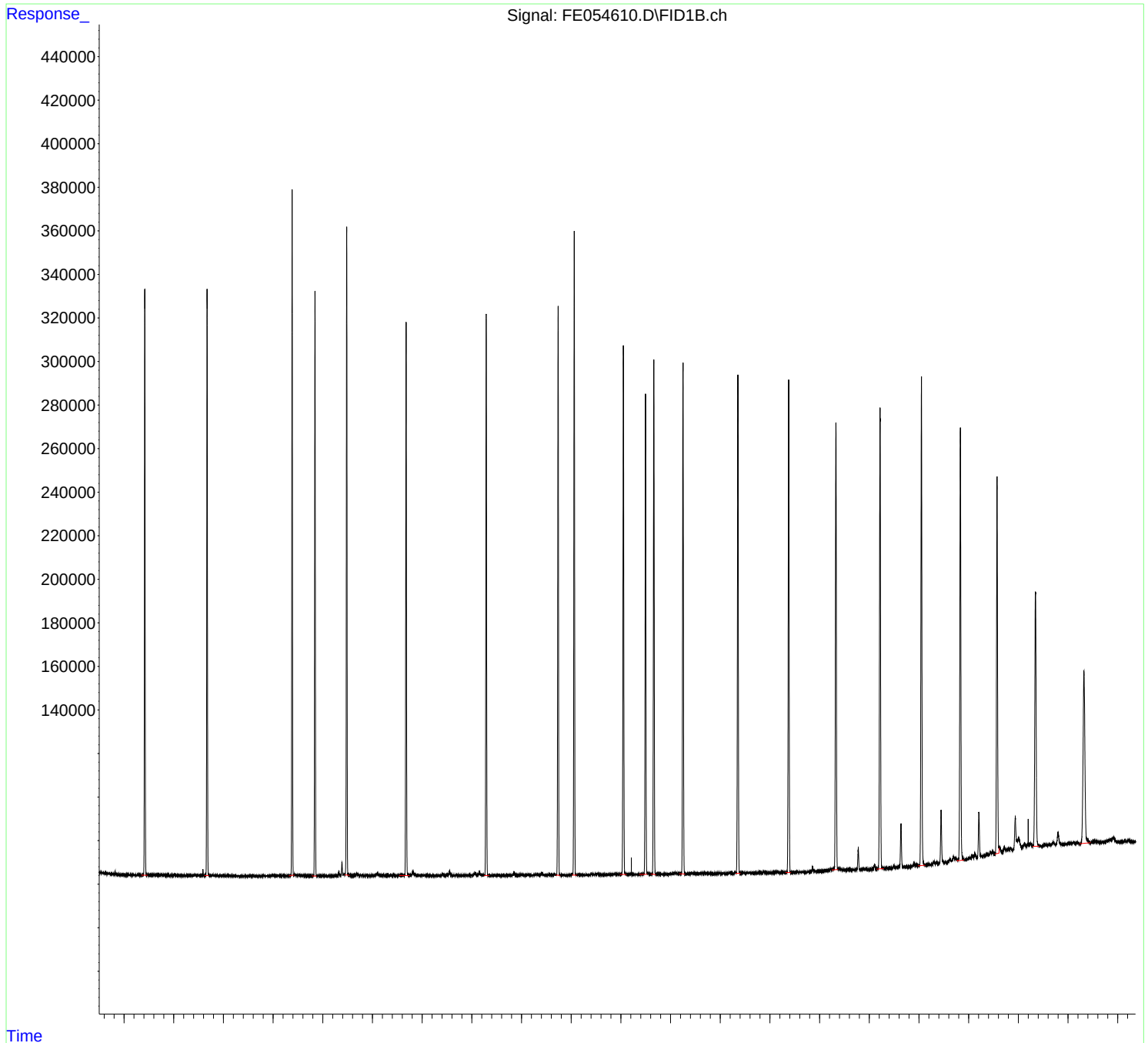
(m)=manual int.

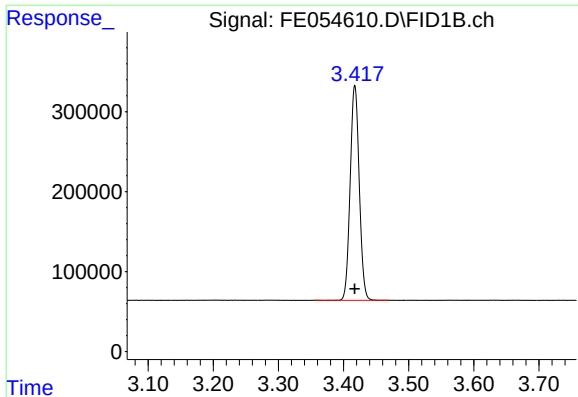
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054610.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 13:53
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jun 27 14:22:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 14:22:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

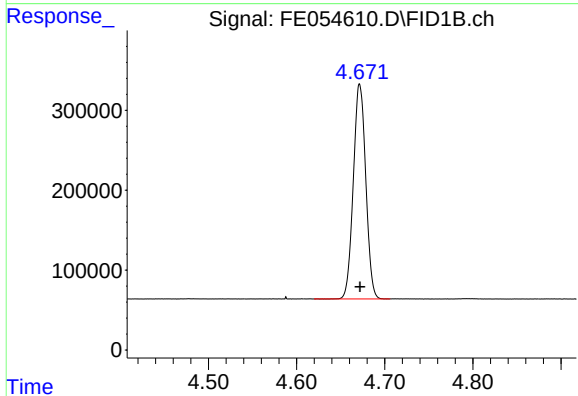




#1 n-Nonane (C9)

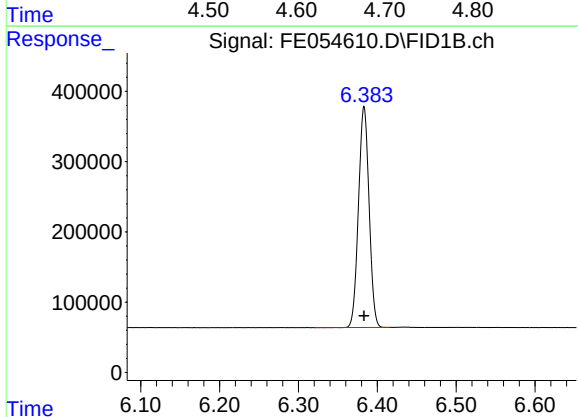
R.T.: 3.417 min
Delta R.T.: 0.000 min
Response: 2604070
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



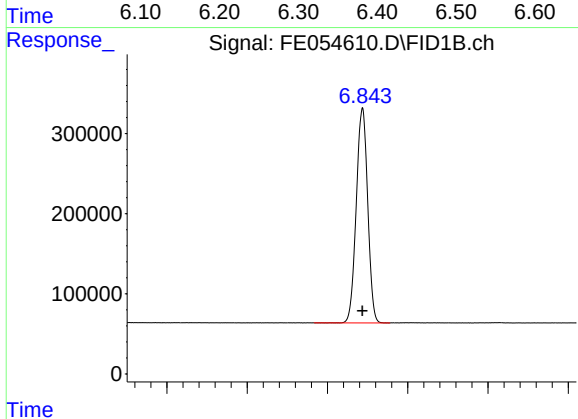
#2 n-Decane (C10)

R.T.: 4.672 min
Delta R.T.: 0.000 min
Response: 2641707
Conc: 20.00 ug/ml



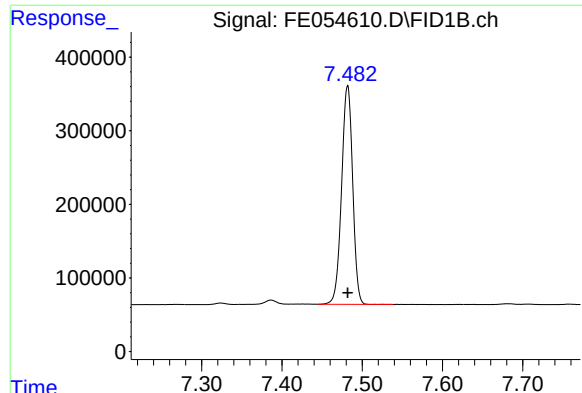
#3 A~Naphthalene (C11.7)

R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 2934117
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

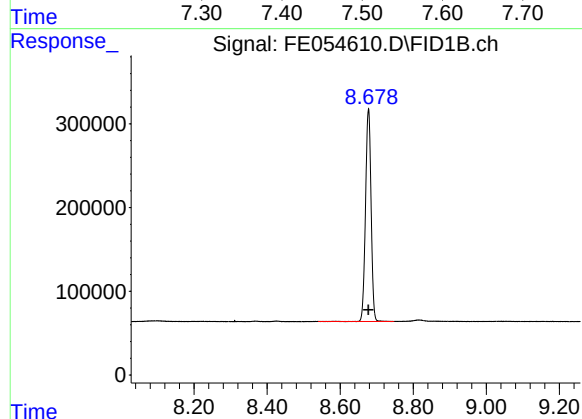
R.T.: 6.844 min
Delta R.T.: 0.000 min
Response: 2657748
Conc: 20.00 ug/ml



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

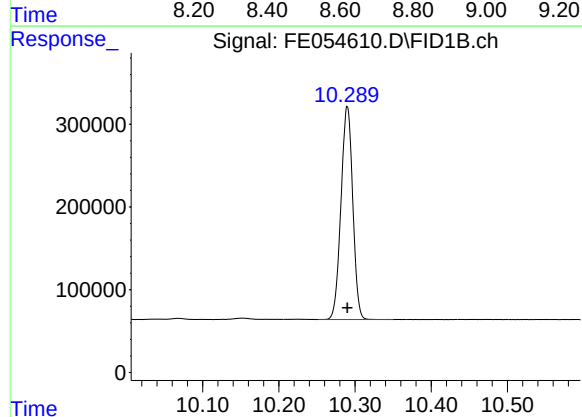
R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 2851436
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



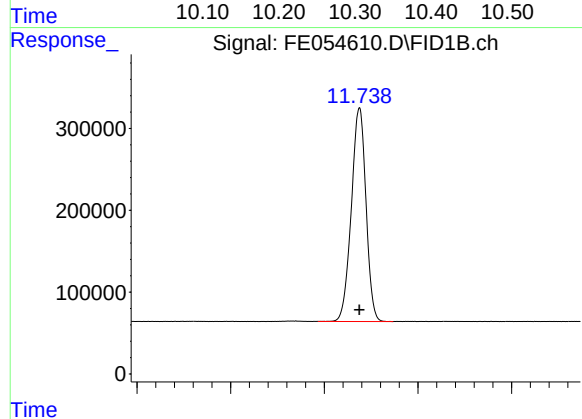
#6 n-Tetradecane (C14)

R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 2675509
Conc: 20.00 ug/ml



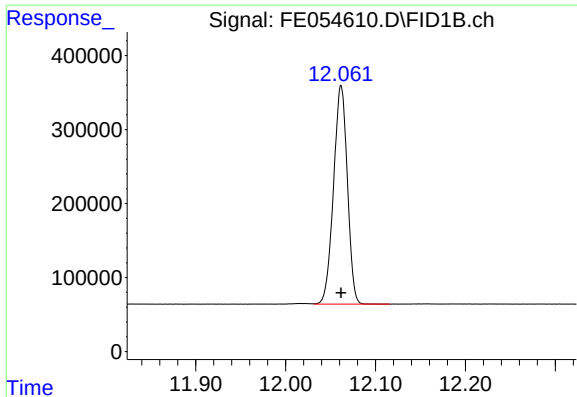
#7 n-Hexadecane (C16)

R.T.: 10.290 min
Delta R.T.: 0.000 min
Response: 2767706
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

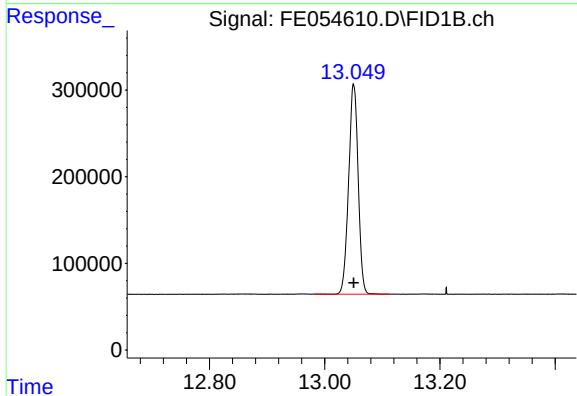
R.T.: 11.737 min
Delta R.T.: 0.000 min
Response: 2838043
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

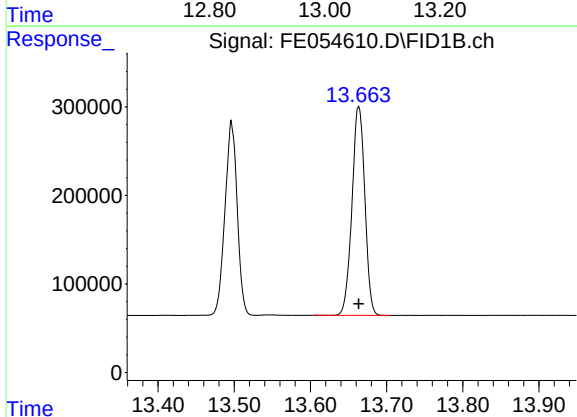
R.T.: 12.062 min
Delta R.T.: 0.000 min
Response: 3156943
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



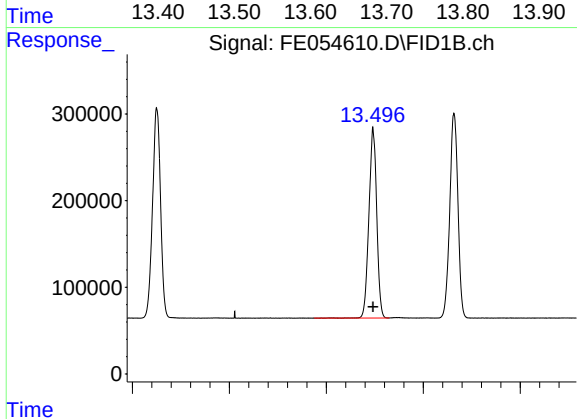
#10 n-Eicosane (C20)

R.T.: 13.050 min
Delta R.T.: 0.000 min
Response: 2784649
Conc: 20.00 ug/ml



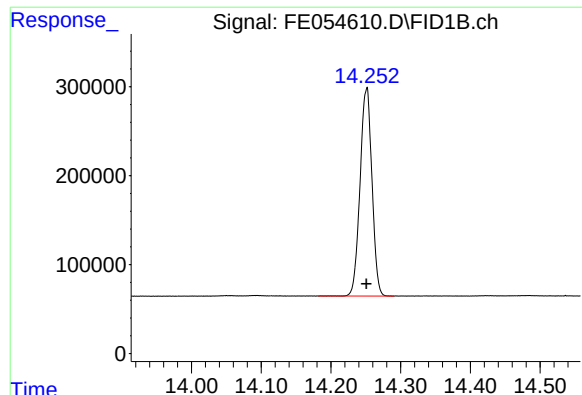
#11 n-Heneicosane (C21)

R.T.: 13.664 min
Delta R.T.: 0.000 min
Response: 2767798
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

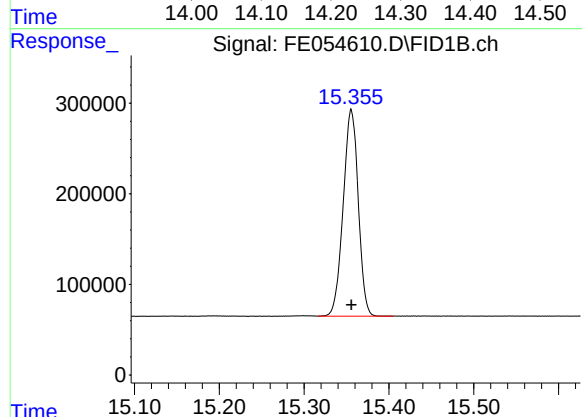
R.T.: 13.497 min
Delta R.T.: 0.000 min
Response: 2452207
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

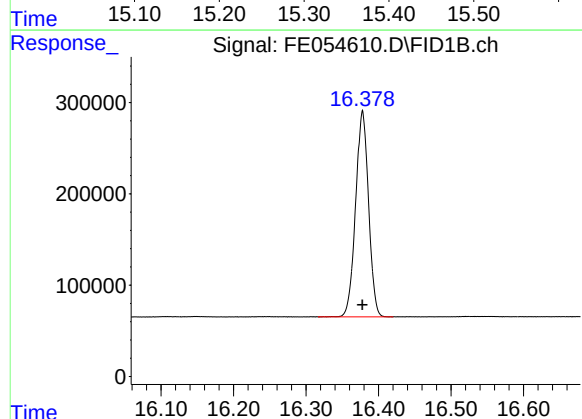
R.T.: 14.251 min
Delta R.T.: 0.000 min
Response: 2773055
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



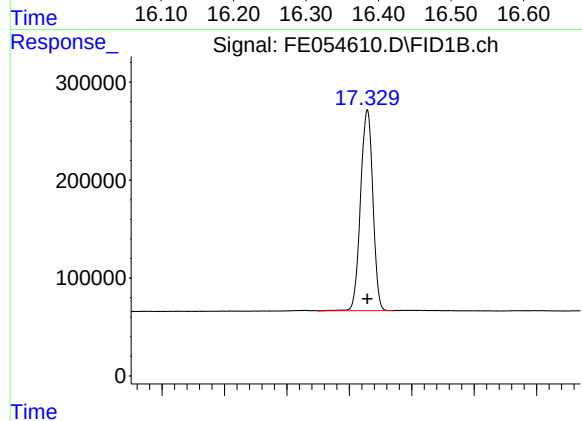
#14 n-Tetracosane (C24)

R.T.: 15.356 min
Delta R.T.: 0.000 min
Response: 2814871
Conc: 20.00 ug/ml



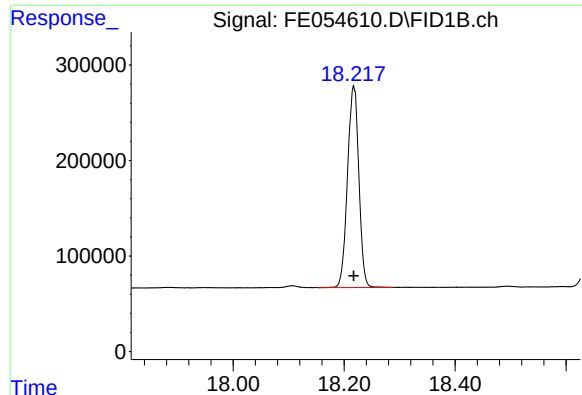
#15 n-Hexacosane (C26)

R.T.: 16.378 min
Delta R.T.: 0.000 min
Response: 2801775
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

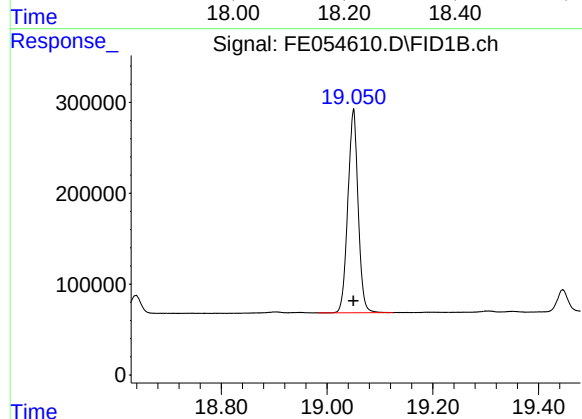
R.T.: 17.329 min
Delta R.T.: 0.000 min
Response: 2814947
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

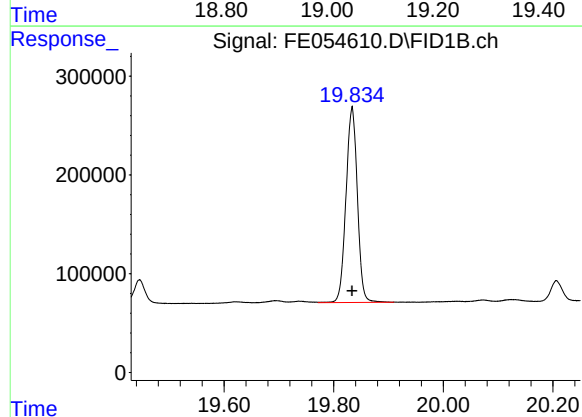
R.T.: 18.217 min
Delta R.T.: 0.000 min
Response: 2997062
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



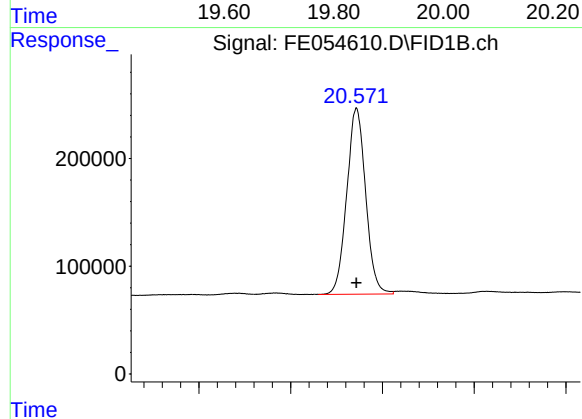
#18 n-Dotriacontane (C32)

R.T.: 19.050 min
Delta R.T.: 0.000 min
Response: 3016622
Conc: 20.00 ug/ml



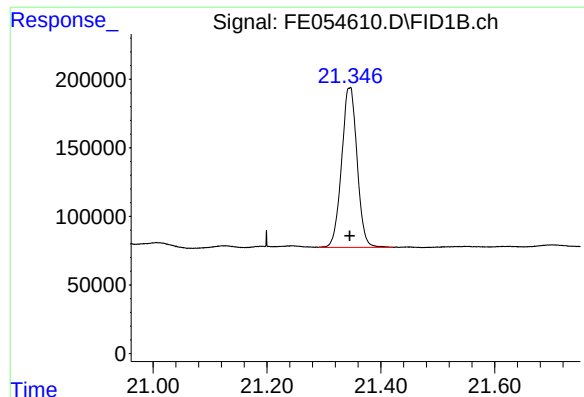
#19 n-Tetratriacontane (C34)

R.T.: 19.834 min
Delta R.T.: 0.000 min
Response: 2851871
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

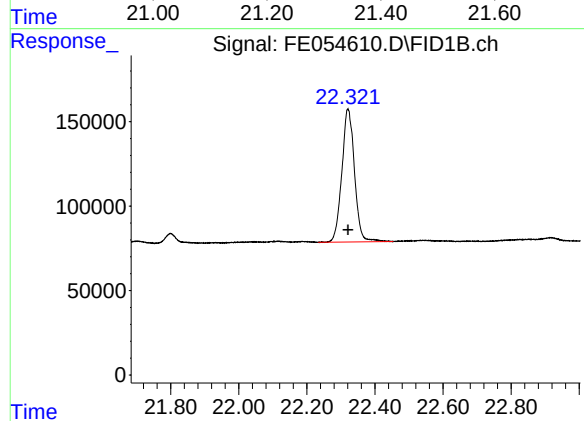
R.T.: 20.572 min
Delta R.T.: 0.000 min
Response: 2473790
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.345 min
Delta R.T.: 0.000 min
Response: 2201144
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.321 min
Delta R.T.: 0.000 min
Response: 2031713
Conc: 20.00 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\

Data File : FE054610.D

Signal(s) : FID1B.ch

Acq On : 27 Jun 2025 13:53

Sample : 20 PPM ALIPHATIC HC STD3

Misc :

ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.417	3.355	3.470	BB	269063	2604070	82.49%	4.347%
2	4.672	4.620	4.705	BB	268277	2641707	83.68%	4.410%
3	6.383	6.320	6.415	BV	314891	2934117	92.94%	4.898%
4	6.844	6.783	6.877	BV	268290	2657748	84.19%	4.436%
5	7.482	7.445	7.538	BB	297241	2851436	90.32%	4.760%
6	8.677	8.540	8.745	BB	253033	2675509	84.75%	4.466%
7	10.290	10.252	10.350	BB	257624	2767706	87.67%	4.620%
8	11.737	11.693	11.773	BB	260719	2838043	89.90%	4.737%
9	12.062	12.032	12.115	VB	295794	3156943	100.00%	5.270%
10	13.050	12.982	13.112	BB	242032	2784649	88.21%	4.648%
11	13.497	13.375	13.530	BV	216935	2452207	77.68%	4.093%
12	13.664	13.605	13.703	BB	235623	2767798	87.67%	4.620%
13	14.251	14.182	14.289	BB	232009	2773055	87.84%	4.629%
14	15.356	15.317	15.405	VB	228102	2814871	89.16%	4.699%
15	16.378	16.317	16.420	BB	225943	2801775	88.75%	4.677%
16	17.329	17.250	17.370	BV	205609	2814947	89.17%	4.699%
17	18.217	18.153	18.288	BB	210880	2997062	94.94%	5.003%
18	19.050	18.983	19.125	BB	224239	3016622	95.56%	5.035%
19	19.834	19.772	19.908	VB	197877	2851871	90.34%	4.760%
20	20.572	20.530	20.612	BV	172986	2473790	78.36%	4.129%
21	21.345	21.290	21.422	VV	116171	2201144	69.72%	3.674%
22	22.321	22.233	22.453	BV	78611	2031713	64.36%	3.391%

Sum of corrected areas: 59908781

Aliphatic EPH 062725.M Sat Jun 28 02:16:17 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054611.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 14:23
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Jun 27 14:51:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 14:51:43 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)	12.061	1724999	10.911 ug/ml
Spiked Amount 50.000		Recovery =	21.82%
12) S 1-chlorooctadecane (S...	13.496	1337321	10.880 ug/ml
Spiked Amount 50.000		Recovery =	21.76%
Target Compounds			
1) T n-Nonane (C9)	3.418	1430994	10.920 ug/ml
2) T n-Decane (C10)	4.672	1453045	10.941 ug/ml
3) T A~Naphthalene (C11.7)	6.383	1612580	10.942 ug/ml
4) T n-Dodecane (C12)	6.843	1461644	10.942 ug/ml
5) T A~2-methylnaphthalene...	7.481	1563539	10.922 ug/ml
6) T n-Tetradecane (C14)	8.677	1478055	11.002 ug/ml
7) T n-Hexadecane (C16)	10.289	1515105	10.915 ug/ml
8) T n-Octadecane (C18)	11.737	1554612	10.923 ug/ml
10) T n-Eicosane (C20)	13.049	1530215	10.948 ug/ml
11) T n-Heneicosane (C21)	13.663	1519506	10.937 ug/ml
13) T n-Docosane (C22)	14.251	1512806	10.876 ug/ml
14) T n-Tetracosane (C24)	15.354	1537308	10.878 ug/ml
15) T n-Hexacosane (C26)	16.377	1534827	10.876 ug/ml
16) T n-Octacosane (C28)	17.327	1542456	10.934 ug/ml
17) T n-Tricontane (C30)	18.215	1692830	11.339 ug/ml
18) T n-Dotriacontane (C32)	19.048	1774595	11.812 ug/ml
19) T n-Tetratriacontane (C34)	19.833	1678325	11.895 ug/ml
20) T n-Hexatriacontane (C36)	20.572	1485639	11.871 ug/ml
21) T n-Octatriacontane (C38)	21.343	1300115	11.771 ug/ml
22) T n-Tetracontane (C40)	22.322	1194943	11.657 ug/ml

(f)=RT Delta > 1/2 Window

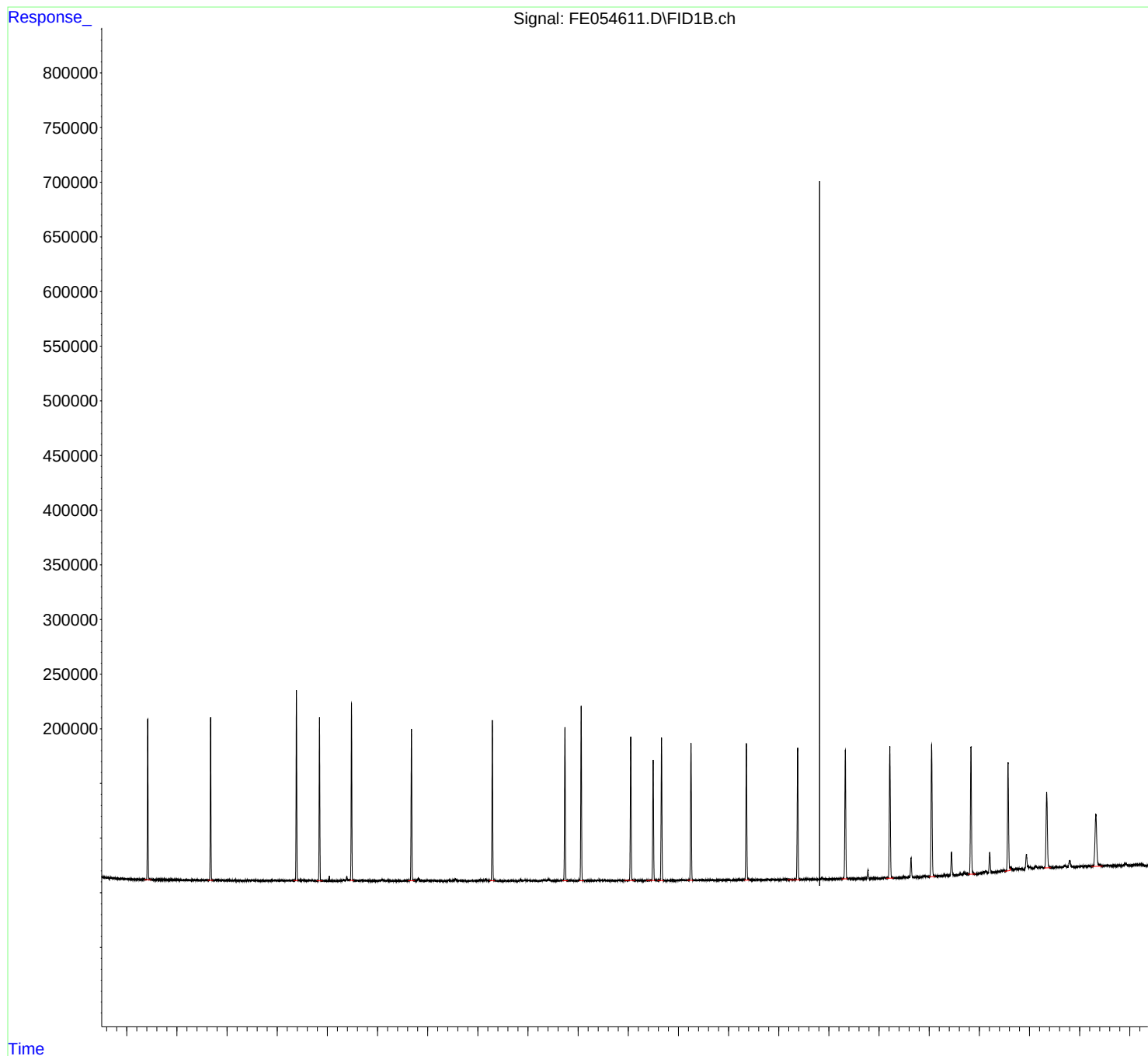
(m)=manual int.

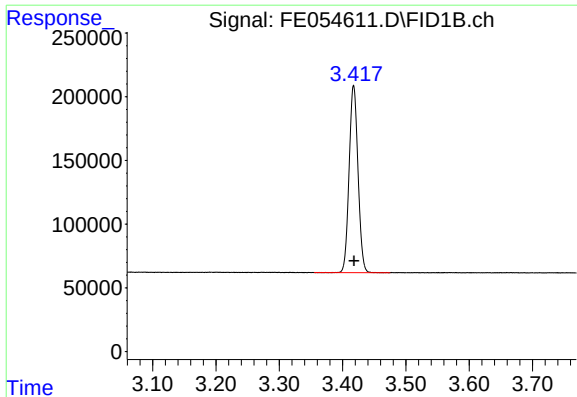
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054611.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 14:23
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jun 27 14:51:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 14:51:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

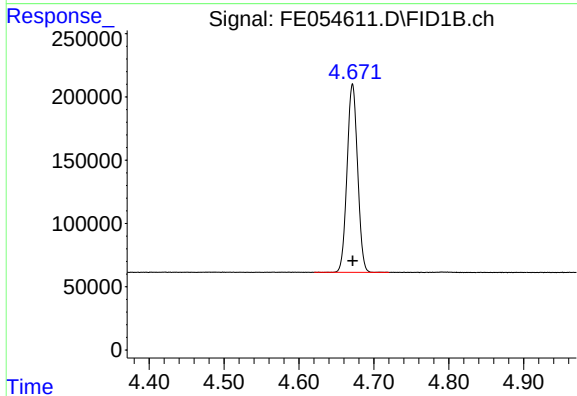




#1 n-Nonane (C9)

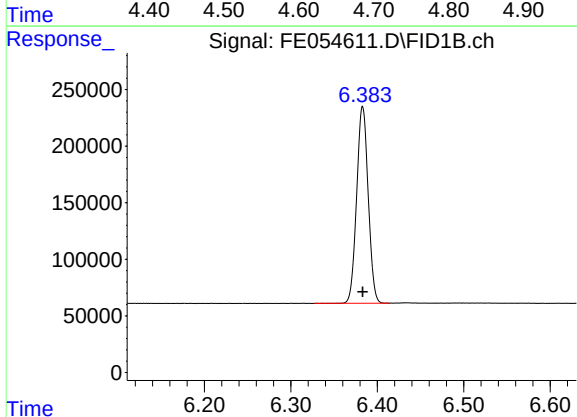
R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 1430994
Conc: 10.92 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



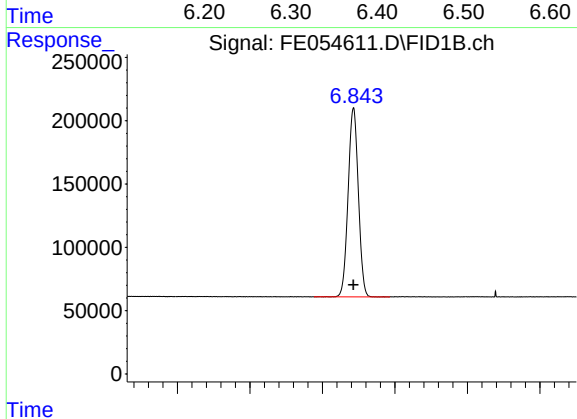
#2 n-Decane (C10)

R.T.: 4.672 min
Delta R.T.: 0.000 min
Response: 1453045
Conc: 10.94 ug/ml



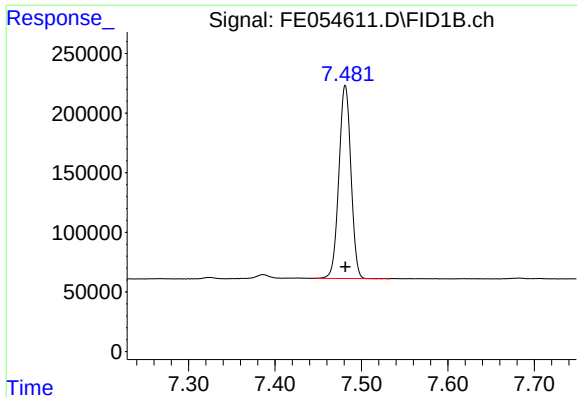
#3 A~Naphthalene (C11.7)

R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 1612580
Conc: 10.94 ug/ml



#4 n-Dodecane (C12)

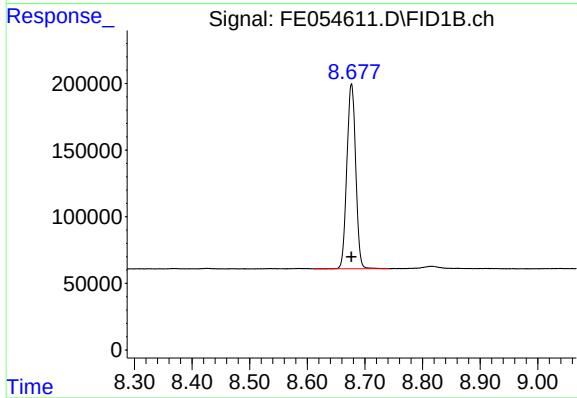
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 1461644
Conc: 10.94 ug/ml



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

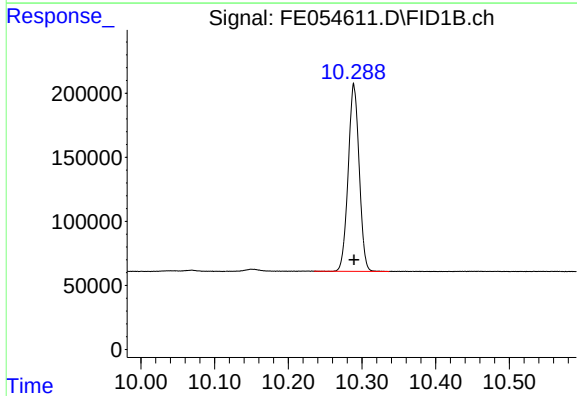
R.T.: 7.481 min
Delta R.T.: 0.000 min
Response: 1563539
Conc: 10.92 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



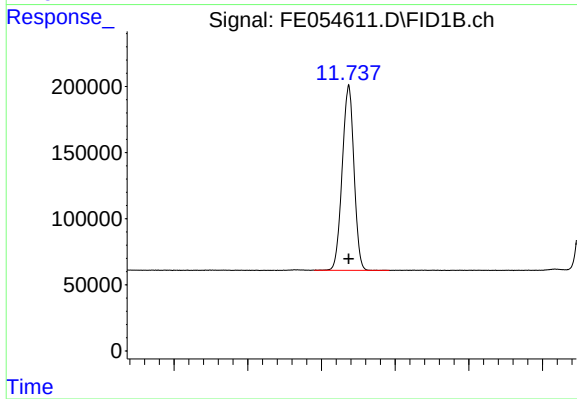
#6 n-Tetradecane (C14)

R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 1478055
Conc: 11.00 ug/ml



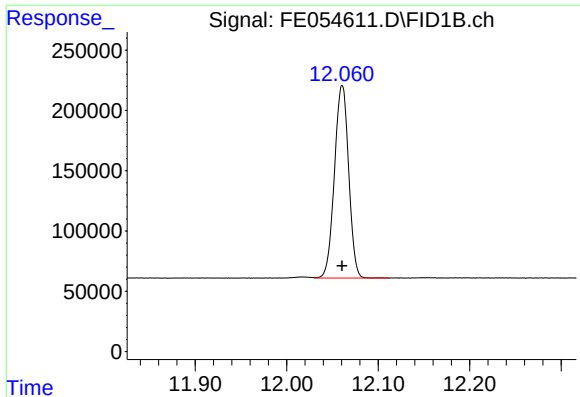
#7 n-Hexadecane (C16)

R.T.: 10.289 min
Delta R.T.: 0.000 min
Response: 1515105
Conc: 10.92 ug/ml



#8 n-Octadecane (C18)

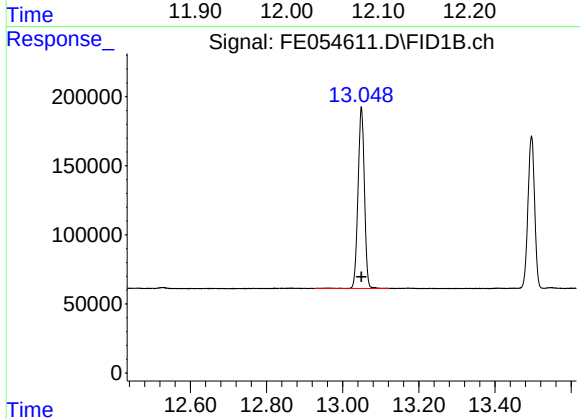
R.T.: 11.737 min
Delta R.T.: 0.000 min
Response: 1554612
Conc: 10.92 ug/ml



#9 ortho-Terphenyl (SURR)

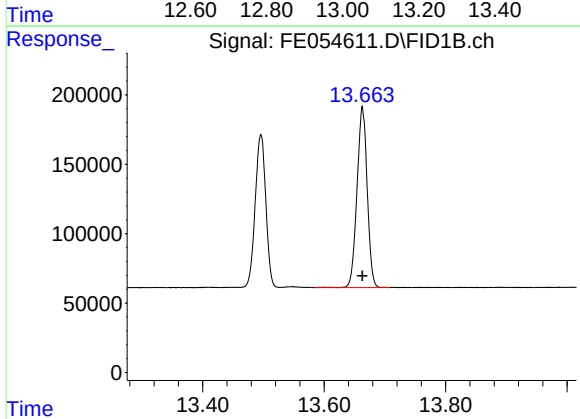
R.T.: 12.061 min
Delta R.T.: 0.000 min
Response: 1724999
Conc: 10.91 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



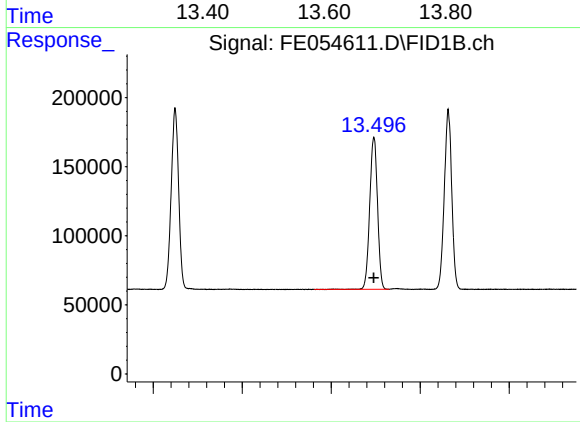
#10 n-Eicosane (C20)

R.T.: 13.049 min
Delta R.T.: 0.000 min
Response: 1530215
Conc: 10.95 ug/ml



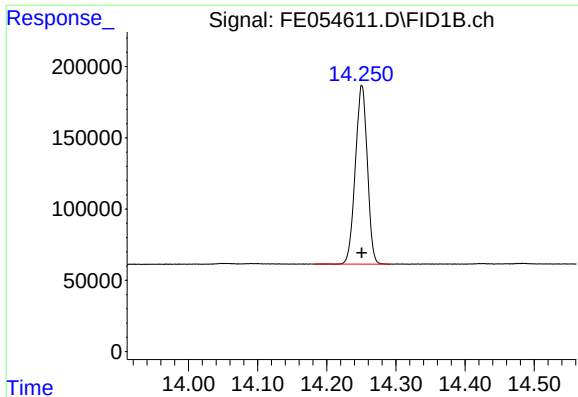
#11 n-Heneicosane (C21)

R.T.: 13.663 min
Delta R.T.: 0.000 min
Response: 1519506
Conc: 10.94 ug/ml



#12 1-chlorooctadecane (SURR)

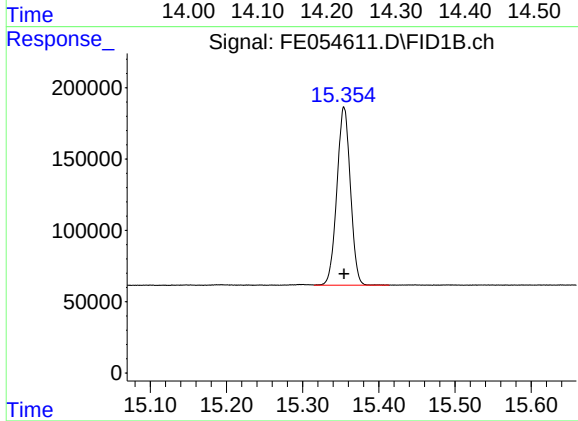
R.T.: 13.496 min
Delta R.T.: 0.000 min
Response: 1337321
Conc: 10.88 ug/ml



#13 n-Docosane (C22)

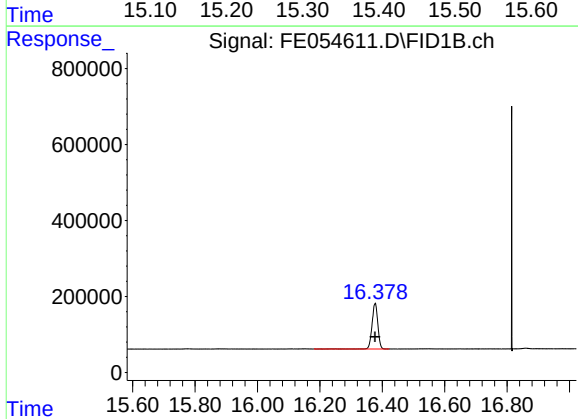
R.T.: 14.251 min
Delta R.T.: 0.000 min
Response: 1512806
Conc: 10.88 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



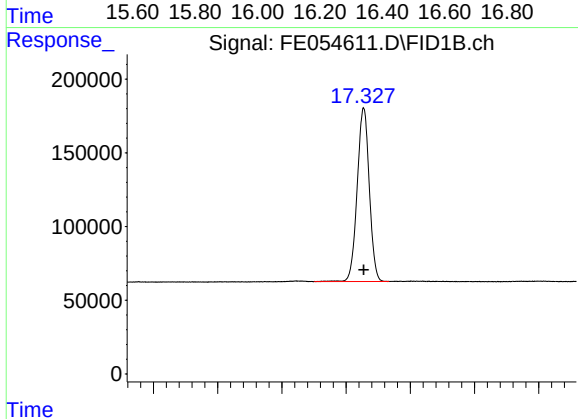
#14 n-Tetracosane (C24)

R.T.: 15.354 min
Delta R.T.: 0.000 min
Response: 1537308
Conc: 10.88 ug/ml



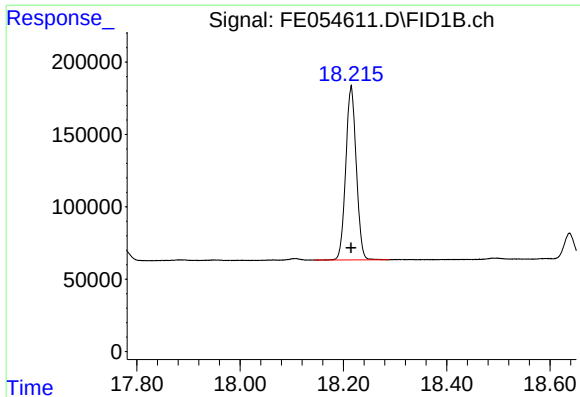
#15 n-Hexacosane (C26)

R.T.: 16.377 min
Delta R.T.: 0.000 min
Response: 1534827
Conc: 10.88 ug/ml



#16 n-Octacosane (C28)

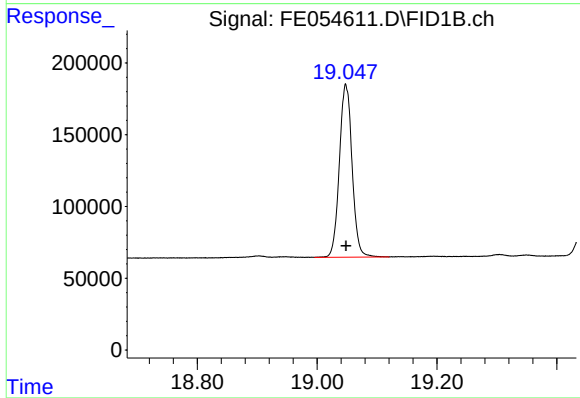
R.T.: 17.327 min
Delta R.T.: 0.000 min
Response: 1542456
Conc: 10.93 ug/ml



#17 n-Tricontane (C30)

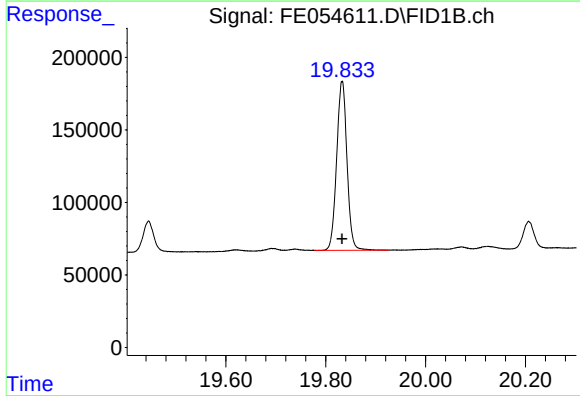
R.T.: 18.215 min
Delta R.T.: 0.000 min
Response: 1692830
Conc: 11.34 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



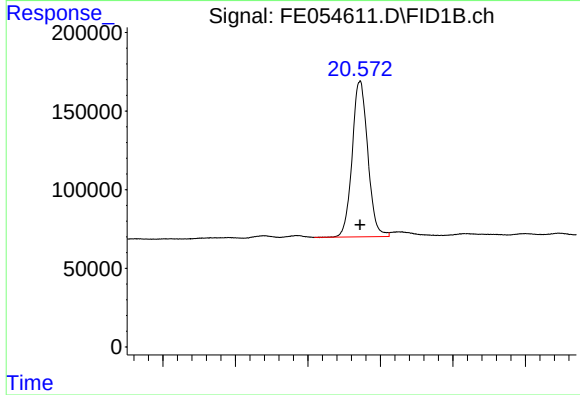
#18 n-Dotriacontane (C32)

R.T.: 19.048 min
Delta R.T.: 0.000 min
Response: 1774595
Conc: 11.81 ug/ml



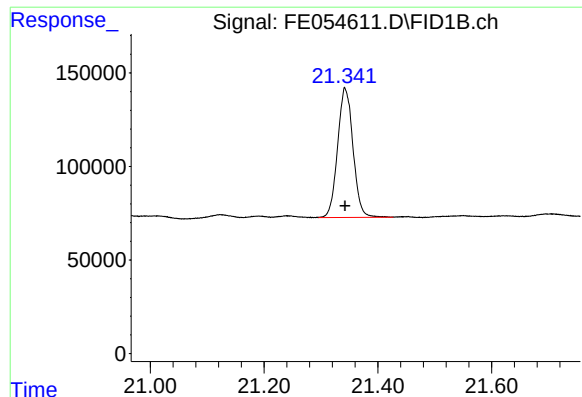
#19 n-Tetratriacontane (C34)

R.T.: 19.833 min
Delta R.T.: 0.000 min
Response: 1678325
Conc: 11.89 ug/ml



#20 n-Hexatriacontane (C36)

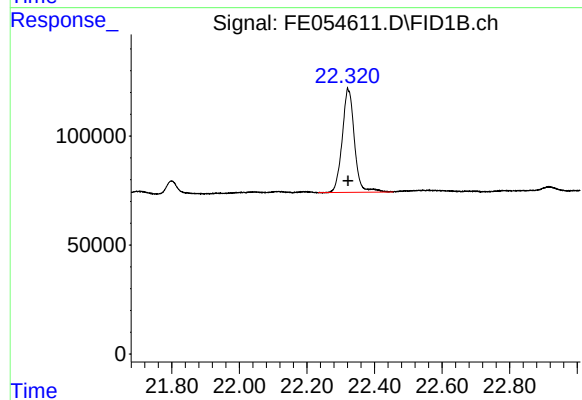
R.T.: 20.572 min
Delta R.T.: 0.000 min
Response: 1485639
Conc: 11.87 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.343 min
Delta R.T.: 0.000 min
Response: 1300115
Conc: 11.77 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.322 min
Delta R.T.: 0.000 min
Response: 1194943
Conc: 11.66 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\

Data File : FE054611.D

Signal(s) : FID1B.ch

Acq On : 27 Jun 2025 14:23

Sample : 10 PPM ALIPHATIC HC STD4

Misc :

ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.418	3.355	3.474	BB	147088	1430994	80.64%	4.280%
2	4.672	4.620	4.720	BB	149044	1453045	81.88%	4.346%
3	6.383	6.327	6.414	BV	173644	1612580	90.87%	4.823%
4	6.843	6.789	6.892	BB	150128	1461644	82.36%	4.372%
5	7.481	7.445	7.532	BB	161988	1563539	88.11%	4.676%
6	8.677	8.612	8.742	BB	138745	1478055	83.29%	4.421%
7	10.289	10.235	10.337	BB	146184	1515105	85.38%	4.531%
8	11.737	11.690	11.792	BB	140251	1554612	87.60%	4.650%
9	12.061	12.030	12.112	VB	160148	1724999	97.21%	5.159%
10	13.049	12.925	13.122	BB	131406	1530215	86.23%	4.577%
11	13.496	13.362	13.530	BV	109975	1337321	75.36%	4.000%
12	13.663	13.584	13.707	BB	129154	1519506	85.63%	4.545%
13	14.251	14.182	14.290	BB	125822	1512806	85.25%	4.525%
14	15.354	15.315	15.414	VB	125210	1537308	86.63%	4.598%
15	16.377	16.182	16.422	BB	119959	1534827	86.49%	4.590%
16	17.327	17.250	17.367	BB	118066	1542456	86.92%	4.613%
17	18.215	18.144	18.289	BB	120625	1692830	95.39%	5.063%
18	19.048	18.995	19.120	BB	119636	1774595	100.00%	5.308%
19	19.833	19.777	19.927	BB	116860	1678325	94.58%	5.020%
20	20.572	20.509	20.612	PV	99169	1485639	83.72%	4.443%
21	21.343	21.295	21.427	BV	69221	1300115	73.26%	3.888%
22	22.322	22.234	22.455	BV	47021	1194943	67.34%	3.574%

Sum of corrected areas: 33435459

Aliphatic EPH 062725.M Sat Jun 28 02:17:27 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054612.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 14:54
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Jun 27 15:17:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:17:39 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)	12.060	897784	5.528 ug/ml
Spiked Amount 50.000		Recovery =	11.06%
12) S 1-chlorooctadecane (S...	13.496	698976	5.535 ug/ml
Spiked Amount 50.000		Recovery =	11.07%
Target Compounds			
1) T n-Nonane (C9)	3.418	741733	5.514 ug/ml
2) T n-Decane (C10)	4.672	755134	5.534 ug/ml
3) T A~Naphthalene (C11.7)	6.383	837756	5.533 ug/ml
4) T n-Dodecane (C12)	6.843	758434	5.528 ug/ml
5) T A~2-methylnaphthalene...	7.481	812009	5.524 ug/ml
6) T n-Tetradecane (C14)	8.676	778826	5.618 ug/ml
7) T n-Hexadecane (C16)	10.289	786629	5.520 ug/ml
8) T n-Octadecane (C18)	11.736	817448	5.578 ug/ml
10) T n-Eicosane (C20)	13.049	799341	5.559 ug/ml
11) T n-Heneicosane (C21)	13.662	792166	5.546 ug/ml
13) T n-Docosane (C22)	14.250	787773	5.517 ug/ml
14) T n-Tetracosane (C24)	15.354	807739	5.557 ug/ml
15) T n-Hexacosane (C26)	16.377	795436	5.497 ug/ml
16) T n-Octacosane (C28)	17.327	822169	5.641 ug/ml
17) T n-Tricontane (C30)	18.216	953767	6.052 ug/ml
18) T n-Dotriacontane (C32)	19.049	1039900	6.428 ug/ml
19) T n-Tetratriacontane (C34)	19.833	987799	6.482 ug/ml
20) T n-Hexatriacontane (C36)	20.573	858425	6.384 ug/ml
21) T n-Octatriacontane (C38)	21.346	723114	6.166 ug/ml
22) T n-Tetracontane (C40)	22.324	659393	6.084 ug/ml

(f)=RT Delta > 1/2 Window

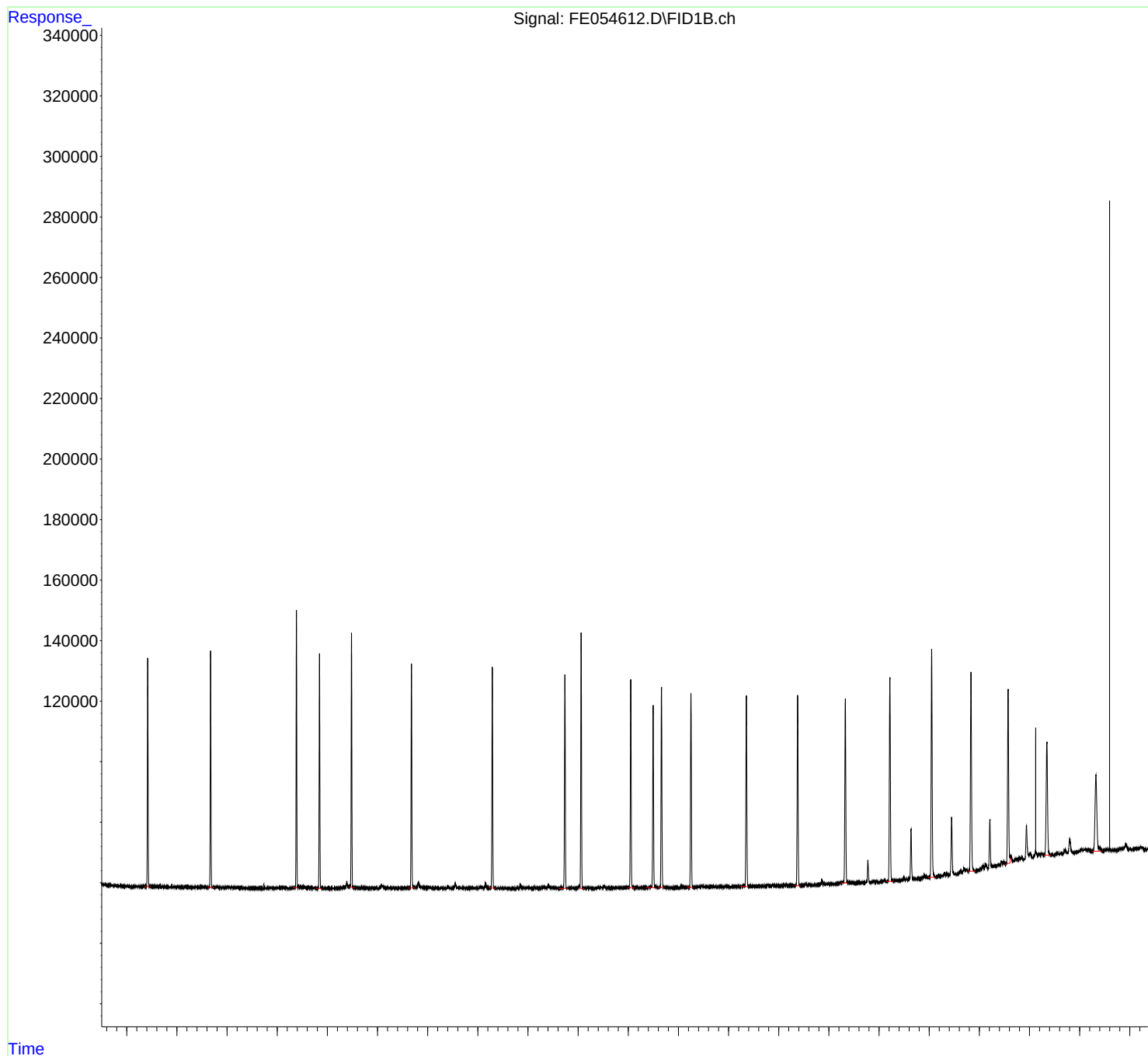
(m)=manual int.

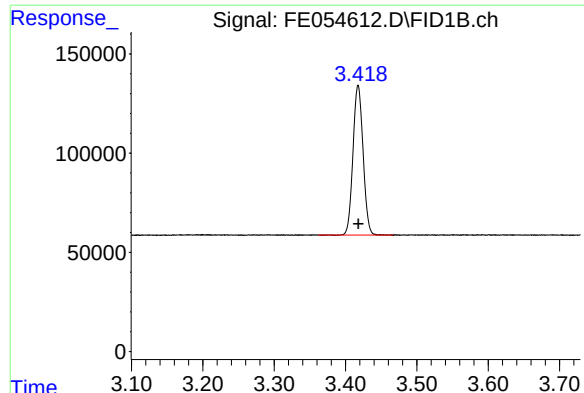
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054612.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 14:54
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Jun 27 15:17:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:17:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 u1
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

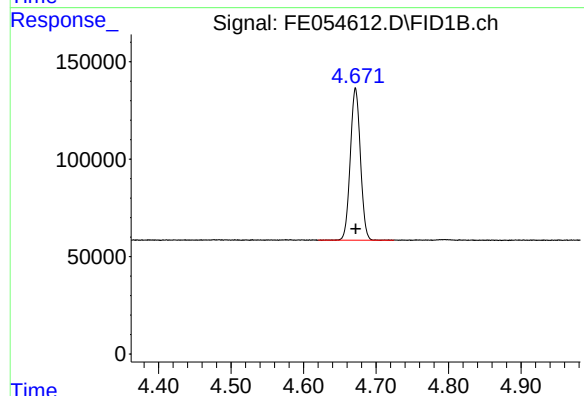




#1 n-Nonane (C9)

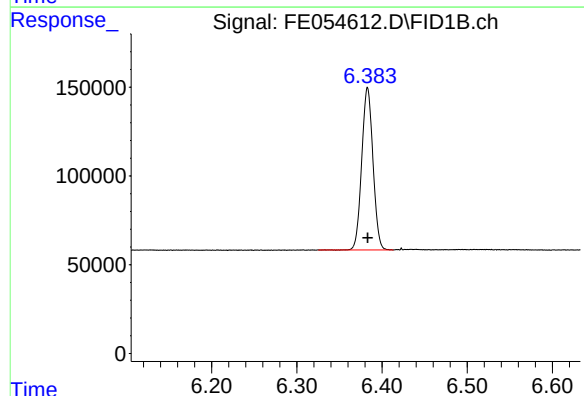
R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 741733
Conc: 5.51 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



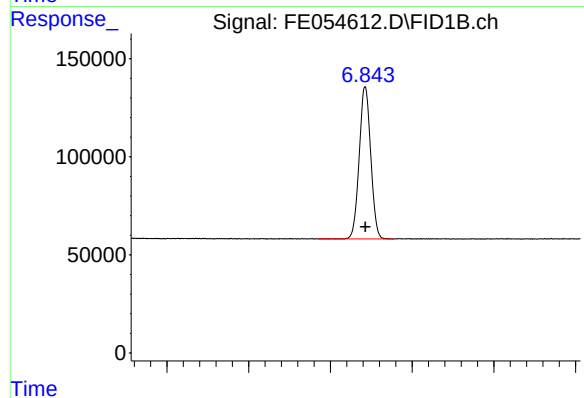
#2 n-Decane (C10)

R.T.: 4.672 min
Delta R.T.: 0.000 min
Response: 755134
Conc: 5.53 ug/ml



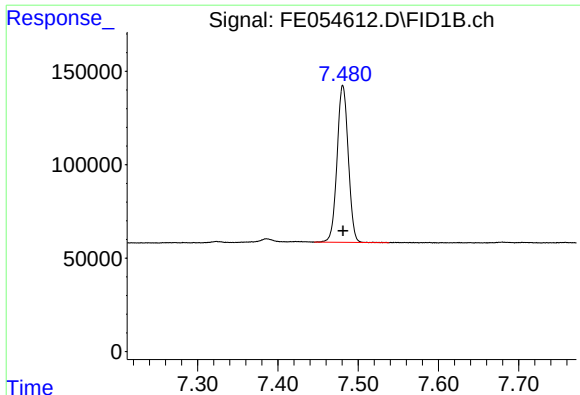
#3 A~Naphthalene (C11.7)

R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 837756
Conc: 5.53 ug/ml



#4 n-Dodecane (C12)

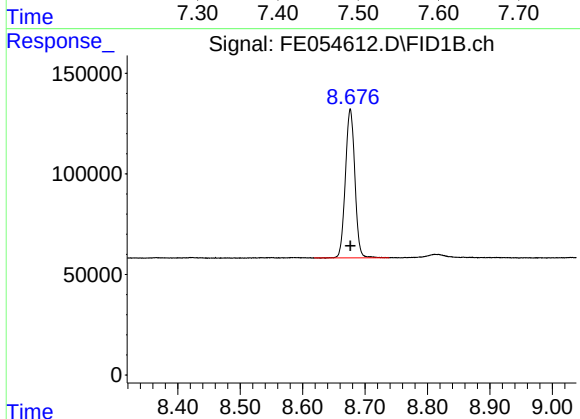
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 758434
Conc: 5.53 ug/ml



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

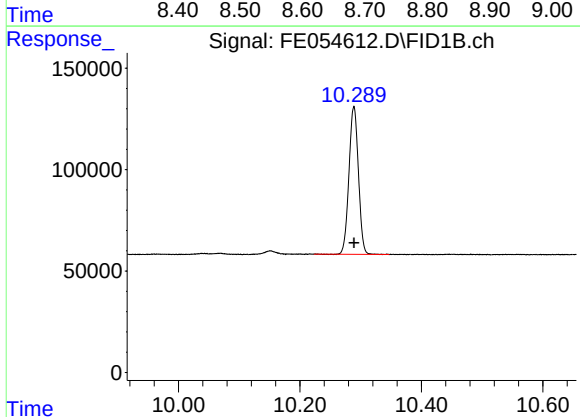
R.T.: 7.481 min
Delta R.T.: 0.000 min
Response: 812009
Conc: 5.52 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



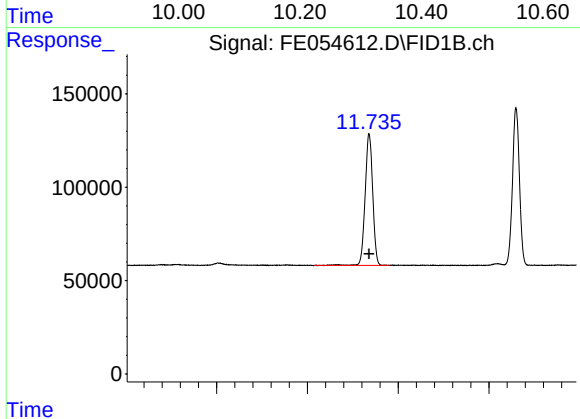
#6 n-Tetradecane (C14)

R.T.: 8.676 min
Delta R.T.: 0.000 min
Response: 778826
Conc: 5.62 ug/ml



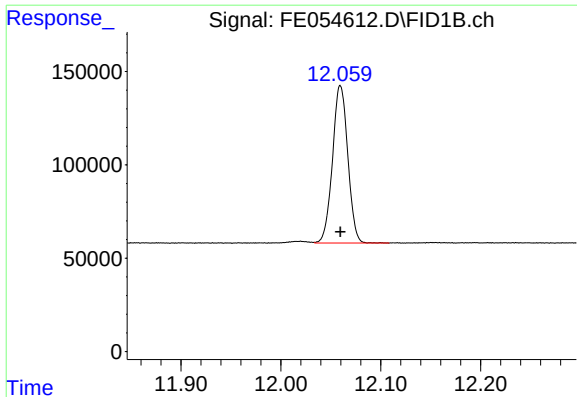
#7 n-Hexadecane (C16)

R.T.: 10.289 min
Delta R.T.: 0.000 min
Response: 786629
Conc: 5.52 ug/ml



#8 n-Octadecane (C18)

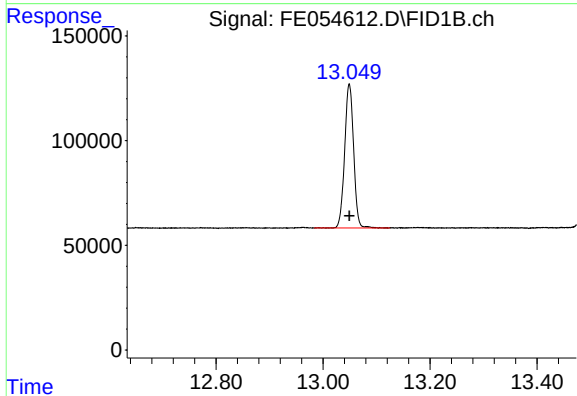
R.T.: 11.736 min
Delta R.T.: 0.000 min
Response: 817448
Conc: 5.58 ug/ml



#9 ortho-Terphenyl (SURR)

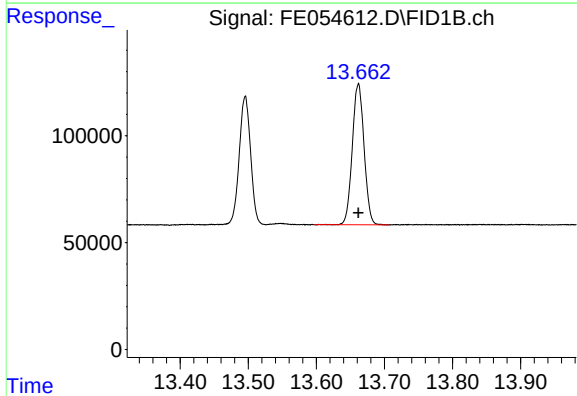
R.T.: 12.060 min
Delta R.T.: 0.000 min
Response: 897784
Conc: 5.53 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



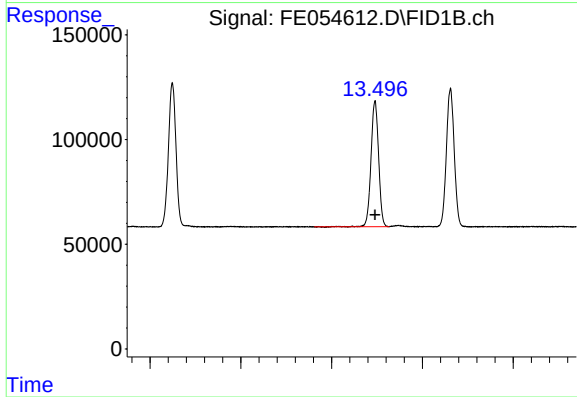
#10 n-Eicosane (C20)

R.T.: 13.049 min
Delta R.T.: 0.000 min
Response: 799341
Conc: 5.56 ug/ml



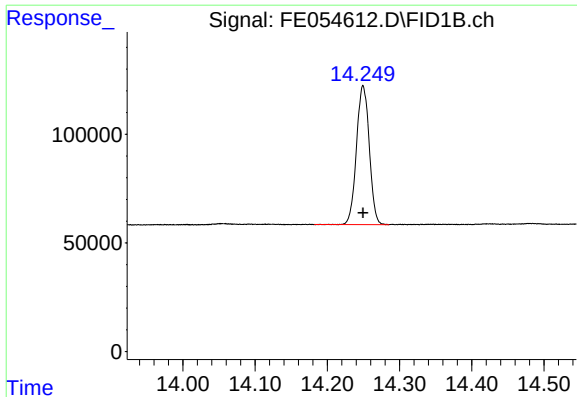
#11 n-Heneicosane (C21)

R.T.: 13.662 min
Delta R.T.: 0.000 min
Response: 792166
Conc: 5.55 ug/ml



#12 1-chlorooctadecane (SURR)

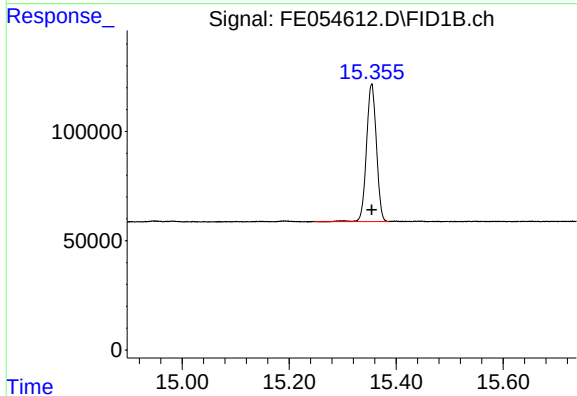
R.T.: 13.496 min
Delta R.T.: 0.000 min
Response: 698976
Conc: 5.53 ug/ml



#13 n-Docosane (C22)

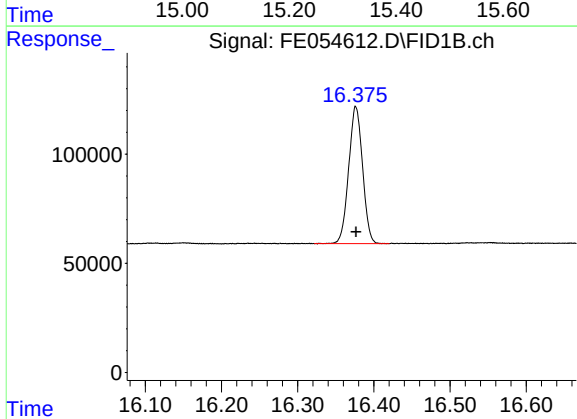
R.T.: 14.250 min
Delta R.T.: 0.000 min
Response: 787773
Conc: 5.52 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



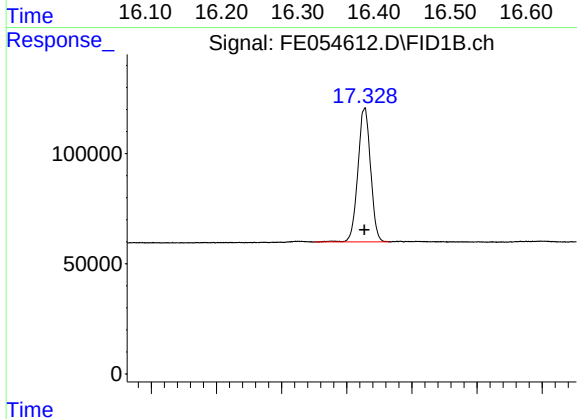
#14 n-Tetracosane (C24)

R.T.: 15.354 min
Delta R.T.: 0.000 min
Response: 807739
Conc: 5.56 ug/ml



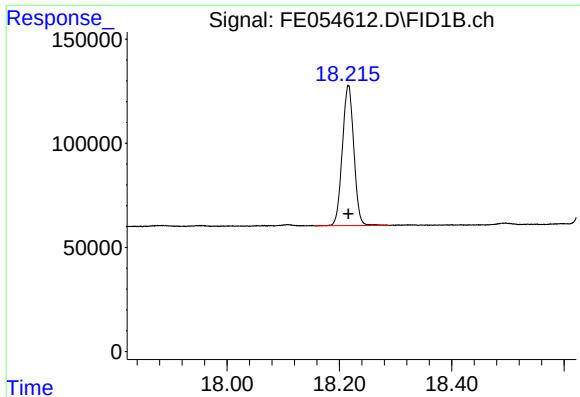
#15 n-Hexacosane (C26)

R.T.: 16.377 min
Delta R.T.: 0.000 min
Response: 795436
Conc: 5.50 ug/ml



#16 n-Octacosane (C28)

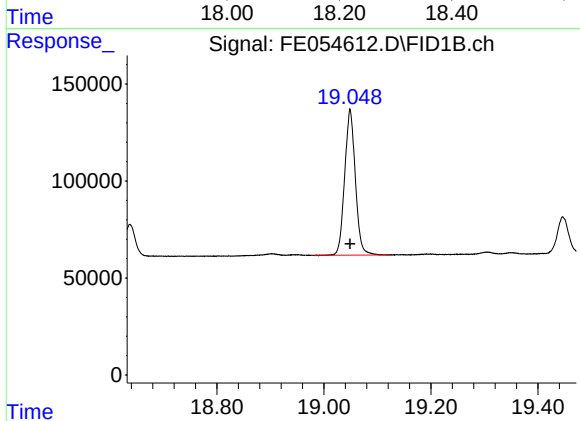
R.T.: 17.327 min
Delta R.T.: 0.000 min
Response: 822169
Conc: 5.64 ug/ml



#17 n-Tricontane (C30)

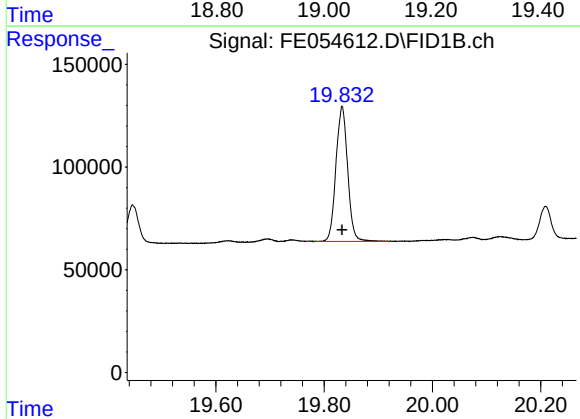
R.T.: 18.216 min
Delta R.T.: 0.000 min
Response: 953767
Conc: 6.05 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



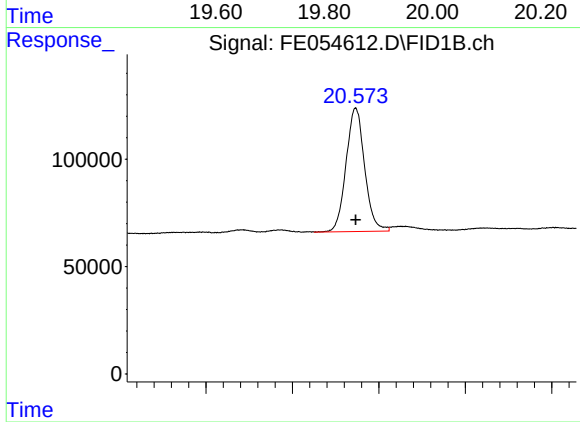
#18 n-Dotriacontane (C32)

R.T.: 19.049 min
Delta R.T.: 0.000 min
Response: 1039900
Conc: 6.43 ug/ml



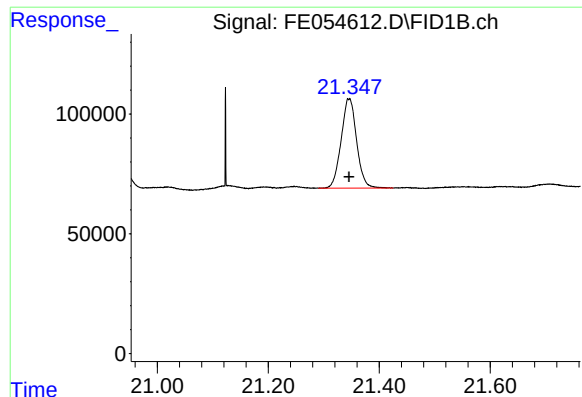
#19 n-Tetratriacontane (C34)

R.T.: 19.833 min
Delta R.T.: 0.000 min
Response: 987799
Conc: 6.48 ug/ml



#20 n-Hexatriacontane (C36)

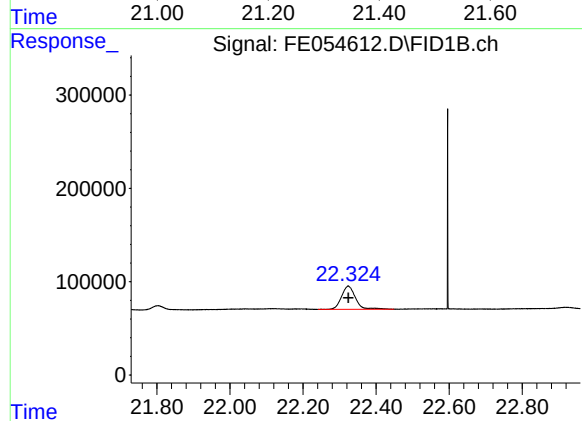
R.T.: 20.573 min
Delta R.T.: 0.000 min
Response: 858425
Conc: 6.38 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.346 min
Delta R.T.: 0.000 min
Response: 723114
Conc: 6.17 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.324 min
Delta R.T.: 0.000 min
Response: 659393
Conc: 6.08 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\

Data File : FE054612.D

Signal(s) : FID1B.ch

Acq On : 27 Jun 2025 14:54

Sample : 5 PPM ALIPHATIC HC STD5

Misc :

ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.418	3.362	3.467	BB	75659	741733	71.33%	4.141%
2	4.672	4.620	4.724	BB	78080	755134	72.62%	4.216%
3	6.383	6.325	6.413	BV	91458	837756	80.56%	4.677%
4	6.843	6.785	6.877	BB	77709	758434	72.93%	4.234%
5	7.481	7.445	7.539	BB	84102	812009	78.09%	4.533%
6	8.676	8.619	8.739	BB	74055	778826	74.89%	4.348%
7	10.289	10.224	10.347	BB	72696	786629	75.64%	4.392%
8	11.736	11.615	11.780	BB	70291	817448	78.61%	4.564%
9	12.060	12.034	12.109	VB	84124	897784	86.33%	5.012%
10	13.049	12.984	13.124	BB	68773	799341	76.87%	4.463%
11	13.496	13.362	13.527	BV	60057	698976	67.22%	3.902%
12	13.662	13.597	13.707	BB	66059	792166	76.18%	4.423%
13	14.250	14.182	14.286	BB	63846	787773	75.75%	4.398%
14	15.354	15.247	15.387	BB	62760	807739	77.67%	4.510%
15	16.377	16.322	16.420	BB	62461	795436	76.49%	4.441%
16	17.327	17.250	17.365	BV	60423	822169	79.06%	4.590%
17	18.216	18.155	18.289	BB	67529	953767	91.72%	5.325%
18	19.049	18.982	19.122	BB	75345	1039900	100.00%	5.806%
19	19.833	19.782	19.920	BB	65849	987799	94.99%	5.515%
20	20.573	20.525	20.612	BV	57615	858425	82.55%	4.793%
21	21.346	21.290	21.425	BB	36950	723114	69.54%	4.037%
22	22.324	22.242	22.447	BB	25113	659393	63.41%	3.681%

Sum of corrected areas: 17911749

Aliphatic EPH 062725.M Sat Jun 28 02:18:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054613.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 15:24
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Jun 27 15:48:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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)	12.062	3028688	18.650 ug/ml
Spiked Amount 50.000		Recovery =	37.30%
12) S 1-chlorooctadecane (S...	13.498	2342450	18.548 ug/ml
Spiked Amount 50.000		Recovery =	37.10%
Target Compounds			
1) T n-Nonane (C9)	3.418	2502645	18.606 ug/ml
2) T n-Decane (C10)	4.672	2544484	18.648 ug/ml
3) T A~Naphthalene (C11.7)	6.384	2820974	18.631 ug/ml
4) T n-Dodecane (C12)	6.844	2560893	18.664 ug/ml
5) T A~2-methylnaphthalene...	7.482	2750056	18.707 ug/ml
6) T n-Tetradecane (C14)	8.677	2581289	18.620 ug/ml
7) T n-Hexadecane (C16)	10.290	2662158	18.680 ug/ml
8) T n-Octadecane (C18)	11.738	2731350	18.637 ug/ml
10) T n-Eicosane (C20)	13.051	2682264	18.654 ug/ml
11) T n-Heneicosane (C21)	13.664	2655754	18.593 ug/ml
13) T n-Docosane (C22)	14.252	2663243	18.652 ug/ml
14) T n-Tetracosane (C24)	15.355	2701405	18.584 ug/ml
15) T n-Hexacosane (C26)	16.379	2682582	18.537 ug/ml
16) T n-Octacosane (C28)	17.329	2682634	18.407 ug/ml
17) T n-Tricontane (C30)	18.218	2884214	18.303 ug/ml
18) T n-Dotriacontane (C32)	19.051	2934528	18.138 ug/ml
19) T n-Tetratriacontane (C34)	19.835	2788021	18.295 ug/ml
20) T n-Hexatriacontane (C36)	20.575	2448198	18.208 ug/ml
21) T n-Octatriacontane (C38)	21.348	2149052	18.324 ug/ml
22) T n-Tetracontane (C40)	22.329	1970334	18.179 ug/ml

(f)=RT Delta > 1/2 Window

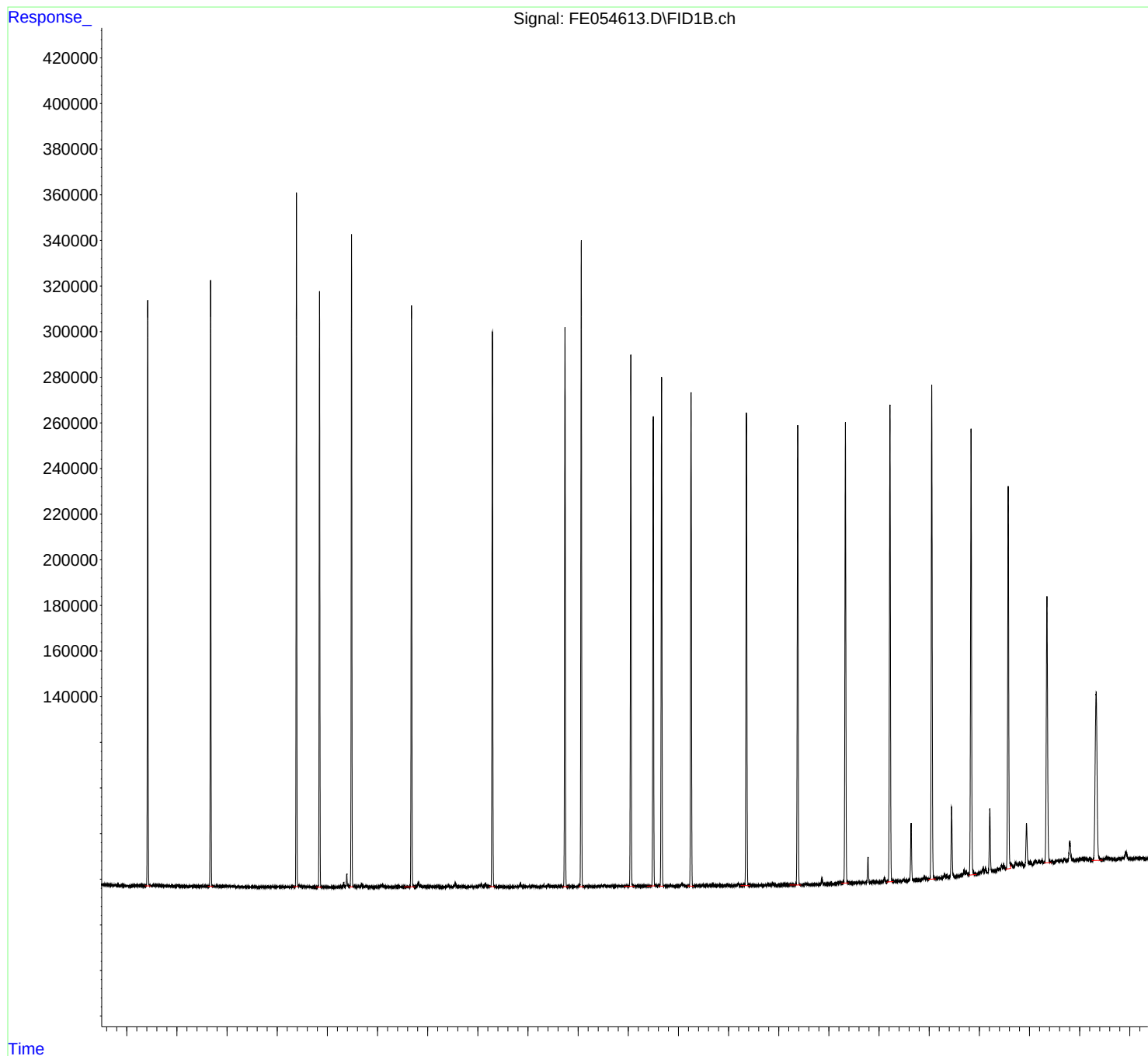
(m)=manual int.

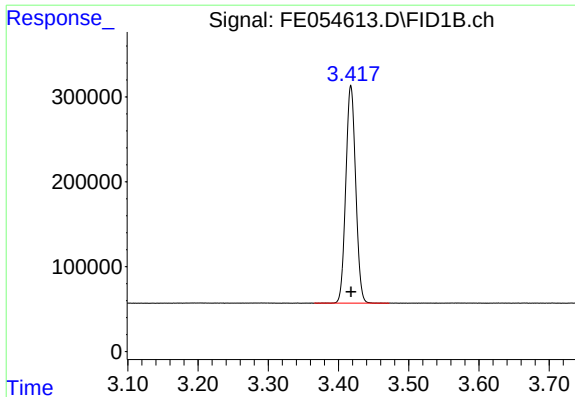
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054613.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 15:24
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jun 27 15:48:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

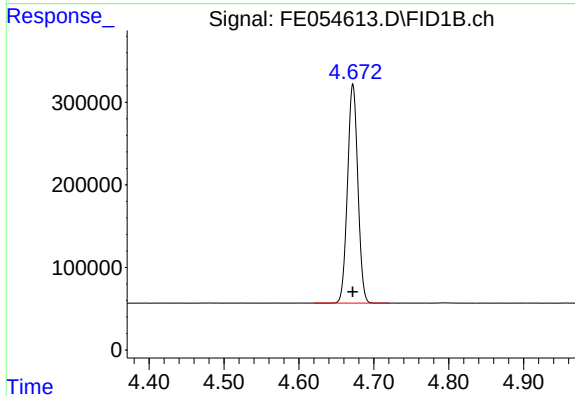




#1 n-Nonane (C9)

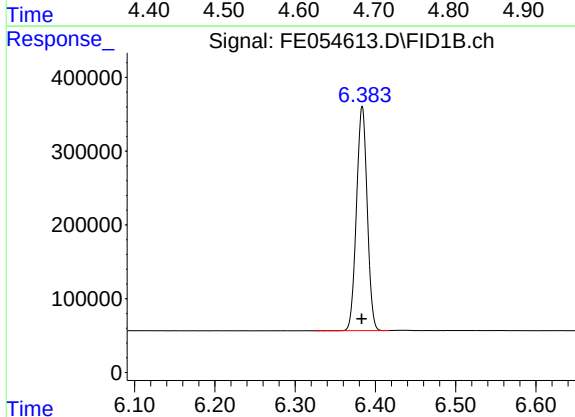
R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 2502645
Conc: 18.61 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



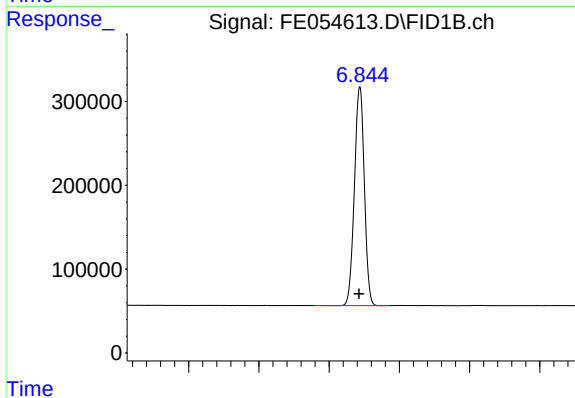
#2 n-Decane (C10)

R.T.: 4.672 min
Delta R.T.: 0.000 min
Response: 2544484
Conc: 18.65 ug/ml



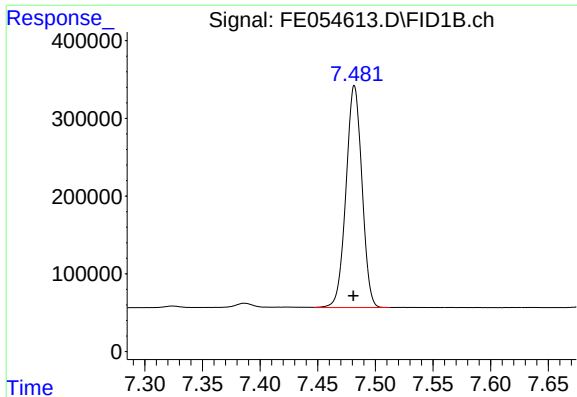
#3 A~Naphthalene (C11.7)

R.T.: 6.384 min
Delta R.T.: 0.000 min
Response: 2820974
Conc: 18.63 ug/ml



#4 n-Dodecane (C12)

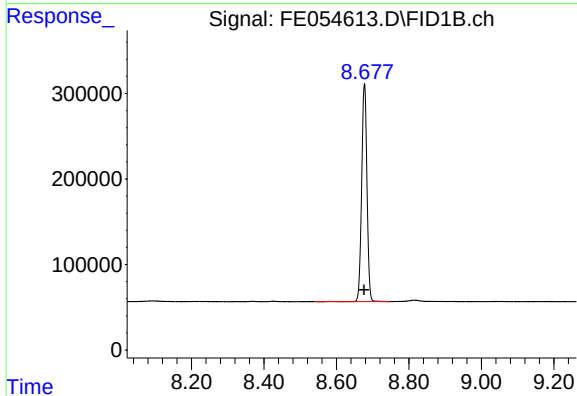
R.T.: 6.844 min
Delta R.T.: 0.001 min
Response: 2560893
Conc: 18.66 ug/ml



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

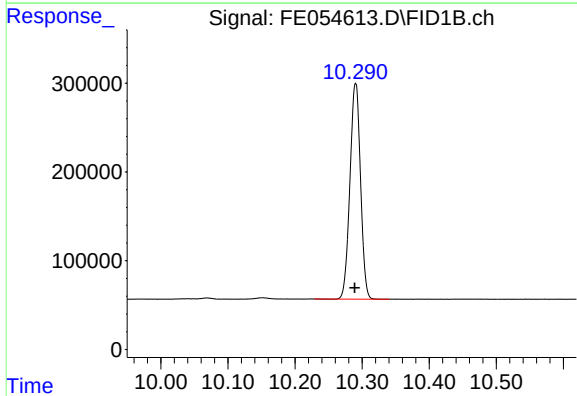
R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 2750056
Conc: 18.71 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



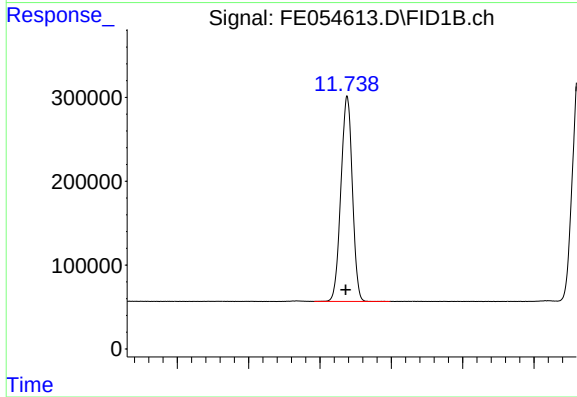
#6 n-Tetradecane (C14)

R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 2581289
Conc: 18.62 ug/ml



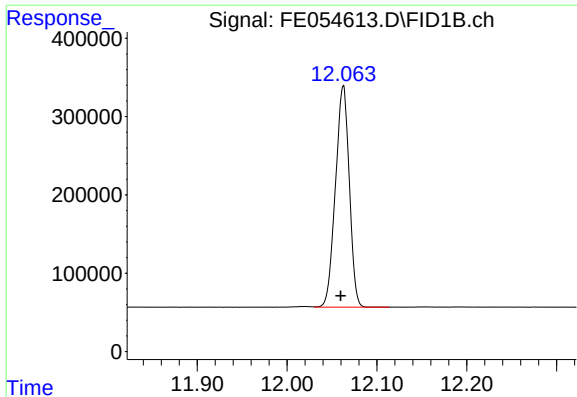
#7 n-Hexadecane (C16)

R.T.: 10.290 min
Delta R.T.: 0.001 min
Response: 2662158
Conc: 18.68 ug/ml



#8 n-Octadecane (C18)

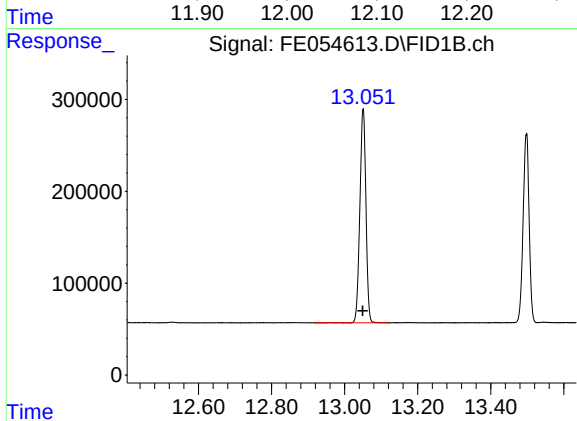
R.T.: 11.738 min
Delta R.T.: 0.002 min
Response: 2731350
Conc: 18.64 ug/ml



#9 ortho-Terphenyl (SURR)

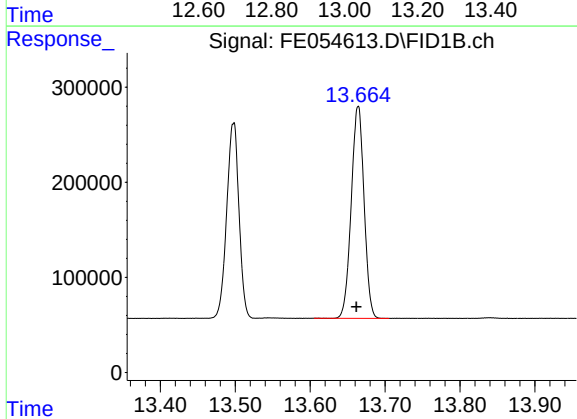
R.T.: 12.062 min
Delta R.T.: 0.003 min
Response: 3028688
Conc: 18.65 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



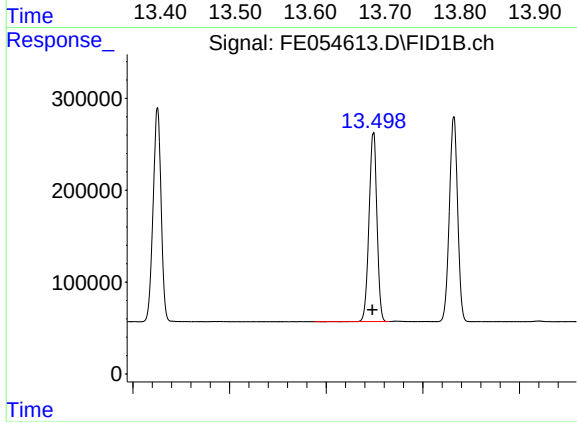
#10 n-Eicosane (C20)

R.T.: 13.051 min
Delta R.T.: 0.002 min
Response: 2682264
Conc: 18.65 ug/ml



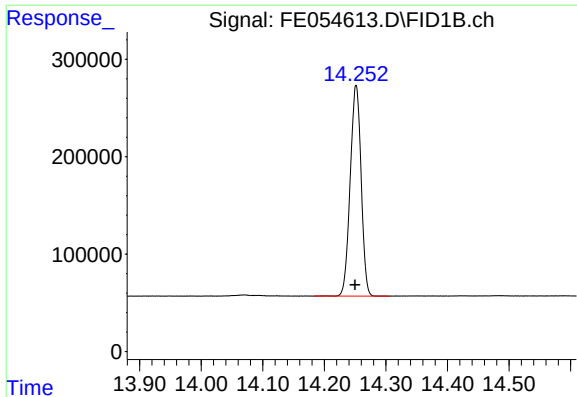
#11 n-Heneicosane (C21)

R.T.: 13.664 min
Delta R.T.: 0.002 min
Response: 2655754
Conc: 18.59 ug/ml



#12 1-chlorooctadecane (SURR)

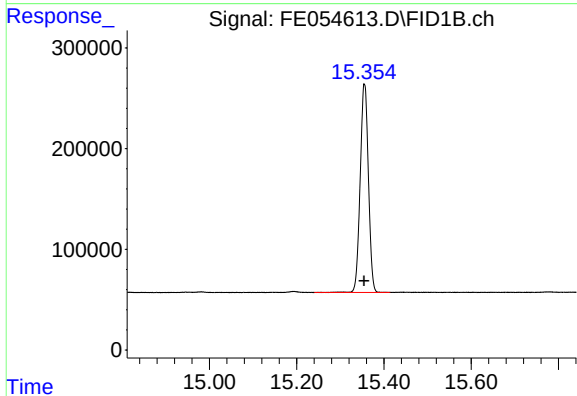
R.T.: 13.498 min
Delta R.T.: 0.002 min
Response: 2342450
Conc: 18.55 ug/ml



#13 n-Docosane (C22)

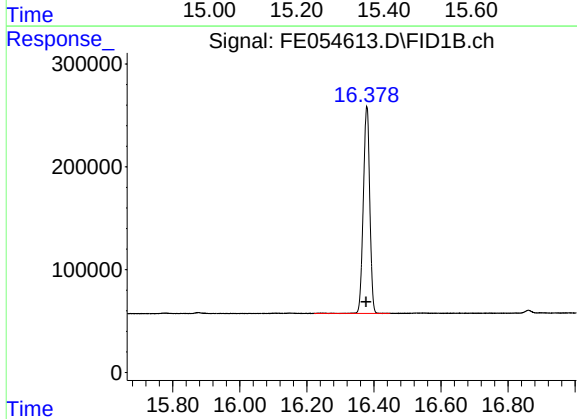
R.T.: 14.252 min
Delta R.T.: 0.002 min
Response: 2663243
Conc: 18.65 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



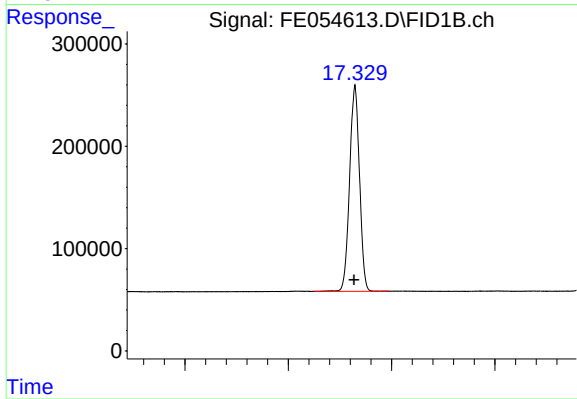
#14 n-Tetracosane (C24)

R.T.: 15.355 min
Delta R.T.: 0.001 min
Response: 2701405
Conc: 18.58 ug/ml



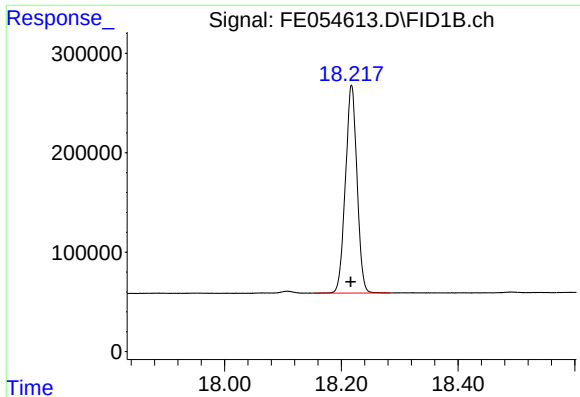
#15 n-Hexacosane (C26)

R.T.: 16.379 min
Delta R.T.: 0.002 min
Response: 2682582
Conc: 18.54 ug/ml



#16 n-Octacosane (C28)

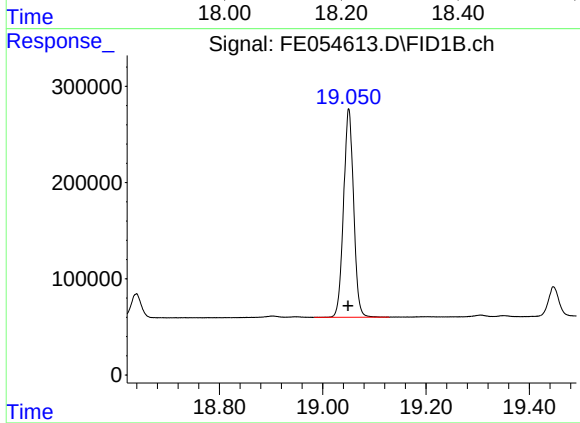
R.T.: 17.329 min
Delta R.T.: 0.002 min
Response: 2682634
Conc: 18.41 ug/ml



#17 n-Tricontane (C30)

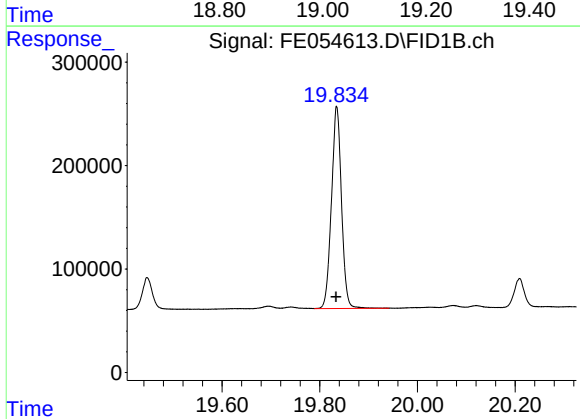
R.T.: 18.218 min
Delta R.T.: 0.002 min
Response: 2884214
Conc: 18.30 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



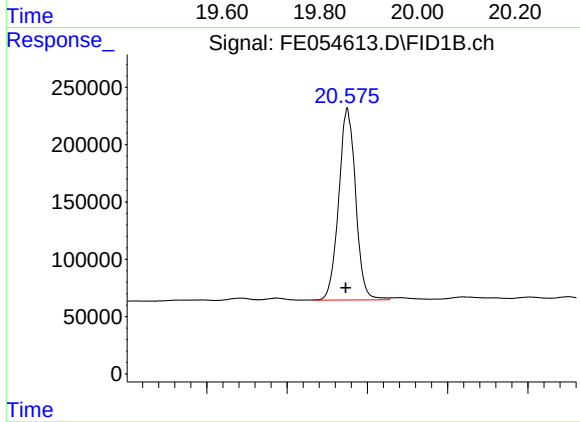
#18 n-Dotriacontane (C32)

R.T.: 19.051 min
Delta R.T.: 0.002 min
Response: 2934528
Conc: 18.14 ug/ml



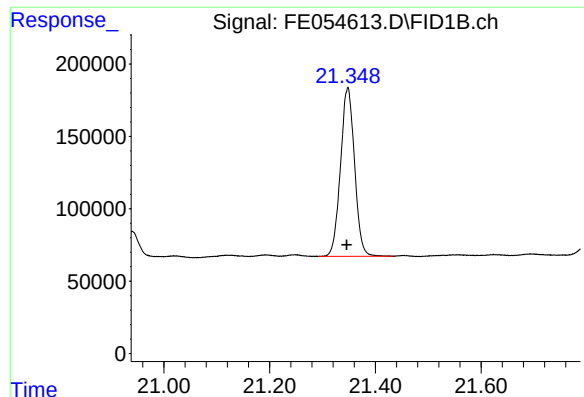
#19 n-Tetratriacontane (C34)

R.T.: 19.835 min
Delta R.T.: 0.002 min
Response: 2788021
Conc: 18.30 ug/ml



#20 n-Hexatriacontane (C36)

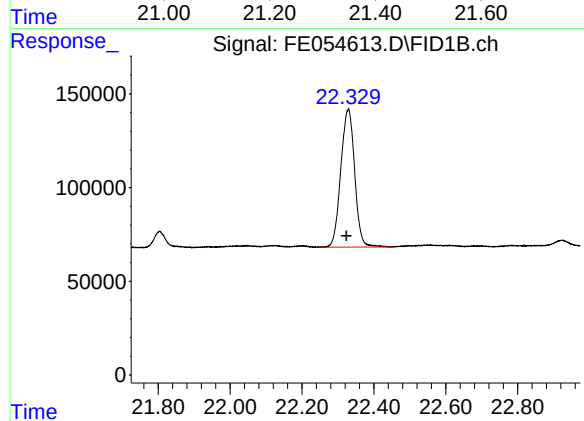
R.T.: 20.575 min
Delta R.T.: 0.002 min
Response: 2448198
Conc: 18.21 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.348 min
Delta R.T.: 0.002 min
Response: 2149052
Conc: 18.32 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.329 min
Delta R.T.: 0.005 min
Response: 1970334
Conc: 18.18 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\

Data File : FE054613.D

Signal(s) : FID1B.ch

Acq On : 27 Jun 2025 15:24

Sample : 20 PPM ALIPHATIC HC STD ICV

Misc :

ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	3.418	3.365	3.472	BB	256328	2502645	82.63%	4.332%
2	4.672	4.620	4.720	BB	265371	2544484	84.01%	4.405%
3	6.384	6.324	6.417	BV	304777	2820974	93.14%	4.883%
4	6.844	6.779	6.885	BB	261391	2560893	84.55%	4.433%
5	7.482	7.447	7.512	VB	285575	2750056	90.80%	4.761%
6	8.677	8.539	8.745	BB	254086	2581289	85.23%	4.468%
7	10.290	10.229	10.340	BB	243419	2662158	87.90%	4.608%
8	11.738	11.692	11.797	VB	244915	2731350	90.18%	4.728%
9	12.062	12.030	12.114	VB	282454	3028688	100.00%	5.243%
10	13.051	12.917	13.122	BB	233017	2682264	88.56%	4.643%
11	13.498	13.375	13.530	BV	205276	2342450	77.34%	4.055%
12	13.664	13.605	13.705	BB	223180	2655754	87.69%	4.597%
13	14.252	14.184	14.305	BB	216501	2663243	87.93%	4.610%
14	15.356	15.240	15.412	BB	206574	2701405	89.19%	4.676%
15	16.379	16.222	16.445	BB	201653	2682582	88.57%	4.644%
16	17.329	17.250	17.395	BB	201121	2682634	88.57%	4.644%
17	18.218	18.154	18.282	BB	209402	2884214	95.23%	4.993%
18	19.051	18.984	19.129	BB	216846	2934528	96.89%	5.080%
19	19.835	19.789	19.942	VB	194869	2788021	92.05%	4.826%
20	20.575	20.534	20.627	BV	167522	2448198	80.83%	4.238%
21	21.348	21.292	21.434	BV	116202	2149052	70.96%	3.720%
22	22.329	22.245	22.454	BV	73515	1970334	65.06%	3.411%

Sum of corrected areas: 57767217

Aliphatic EPH 062725.M Sat Jun 28 02:19:40 2025

Initial Calibration Report for SequenceID : FG061325AL

AreaCount

Parameter Range	FG016071.D	FG016072.D	FG016073.D	FG016074.D	FG016075.D	
Aliphatic C9-C12	31187111.000	16030205.000	6399100.000	3273415.000	1801158.000	
Aliphatic C12-C16	21347944.000	10942901.000	4353077.000	2229026.000	1226761.000	
Aliphatic C16-C21	32827684.000	16845928.000	6678934.000	3420442.000	1880042.000	
Aliphatic C21-C28	43338555.000	22406907.000	8923987.000	4573238.000	2513785.000	
Aliphatic C28-C40	50822649.000	26534359.000	10867391.000	5588296.000	3093801.000	
Aliphatic EPH	179523943.000	92760300.000	37222489.000	19084417.000	10515547.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	109333.5539996	5.742				
Aliphatic C12-C16	111824.611	5.629				
Aliphatic C16-C21	114479.6466662	5.496				
Aliphatic C21-C28	114390.192	5.829				
Aliphatic C28-C40	91995.767333	7.551				
Aliphatic EPH	105812.4553328	6.196				

Concentration

Parameter Range	FG016071.D	FG016072.D	FG016073.D	FG016074.D	FG016075.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	FG016071.D	FG016072.D	FG016073.D	FG016074.D	FG016075.D	
Aliphatic C9-C12	103957.036666	106868.033333	106651.666666	109113.833333	120077.200000	
Aliphatic C12-C16	106739.720000	109429.010000	108826.925000	111451.300000	122676.100000	
Aliphatic C16-C21	109425.613333	112306.186666	111315.566666	114014.733333	125336.133333	

Initial Calibration Report for SequenceID : FG061325AL

Aliphatic C21-C28	108346.387500	112034.535000	111549.837500	114330.950000	125689.250000	
Aliphatic C28-C40	84704.415000	88447.863333	90561.591666	93138.266666	103126.700000	
Aliphatic EPH	99735.523888	103067.000000	103395.802777	106024.538888	116839.411111	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016071.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 14:05
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Jun 16 06:40:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:39:56 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)	12.102	12319256	98.060 ug/ml
Spiked Amount 50.000		Recovery =	196.12%
12) S 1-chlorooctadecane (S...	13.541	9625924	98.129 ug/ml
Spiked Amount 50.000		Recovery =	196.26%
Target Compounds			
1) T n-Nonane (C9)	3.424	10265834	97.267 ug/ml
2) T n-Decane (C10)	4.684	10421015	97.345 ug/ml
3) T A~Naphthalene (C11.7)	6.401	11351238	97.258 ug/ml
4) T n-Dodecane (C12)	6.863	10500262	97.805 ug/ml
5) T A~2-methylnaphthalene...	7.504	11069941	97.522 ug/ml
6) T n-Tetradecane (C14)	8.702	10460547	97.915 ug/ml
7) T n-Hexadecane (C16)	10.321	10887397	98.243 ug/ml
8) T n-Octadecane (C18)	11.776	11131441	98.379 ug/ml
10) T n-Eicosane (C20)	13.093	10887120	98.345 ug/ml
11) T n-Heneicosane (C21)	13.709	10809123	98.180 ug/ml
13) T n-Docosane (C22)	14.299	10847807	98.085 ug/ml
14) T n-Tetracosane (C24)	15.408	10956206	97.496 ug/ml
15) T n-Hexacosane (C26)	16.436	10874105	96.775 ug/ml
16) T n-Octacosane (C28)	17.391	10660437	96.159 ug/ml
17) T n-Tricontane (C30)	18.282	10619759	94.655 ug/ml
18) T n-Dotriacontane (C32)	19.119	10002723	93.329 ug/ml
19) T n-Tetratriacontane (C34)	19.905	9047304	92.873 ug/ml
20) T n-Hexatriacontane (C36)	20.646	7775206	92.817 ug/ml
21) T n-Octatriacontane (C38)	21.437	6940056	93.207 ug/ml
22) T n-Tetracontane (C40)	22.443	6437601	94.181 ug/ml

(f)=RT Delta > 1/2 Window

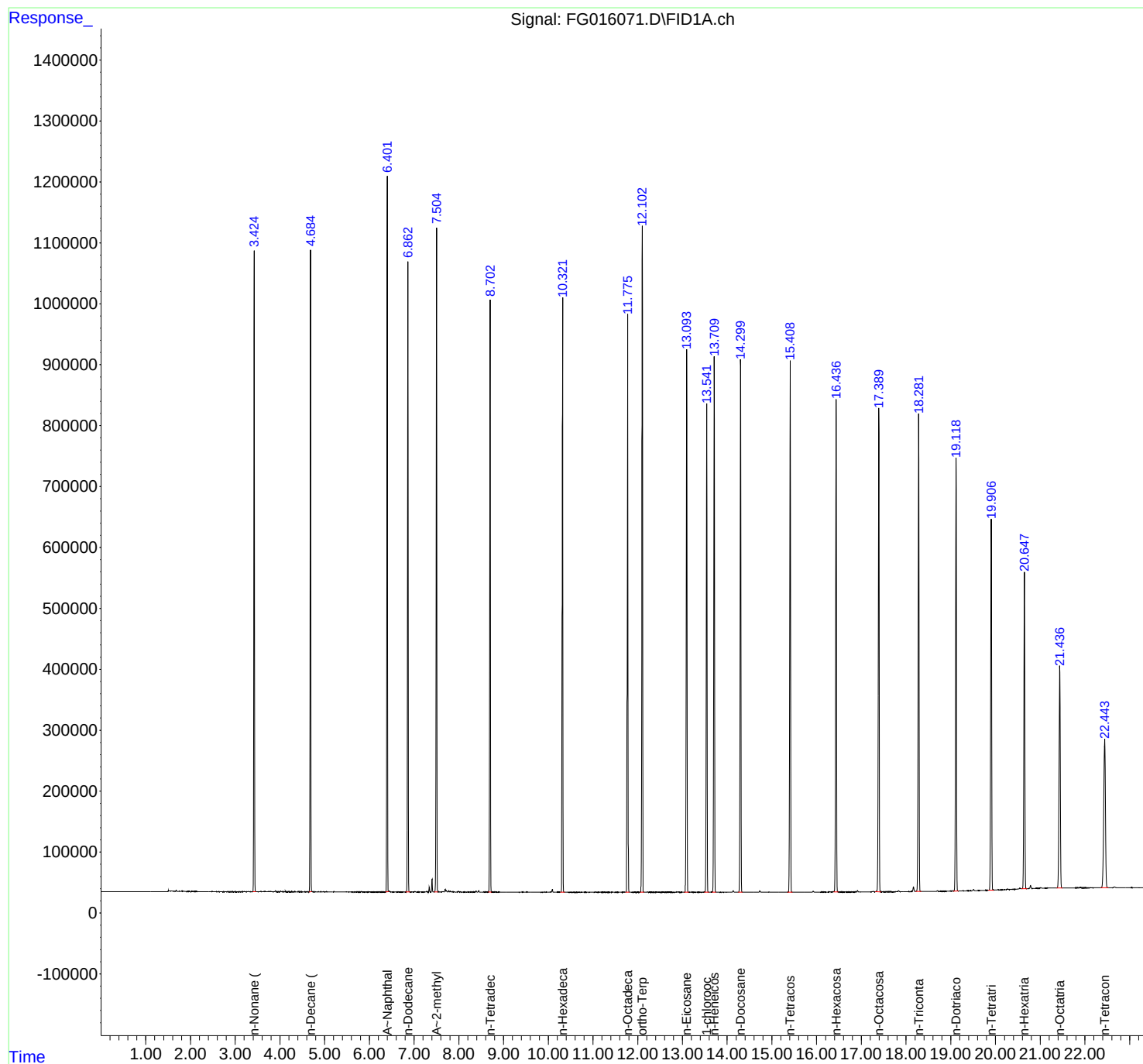
(m)=manual int.

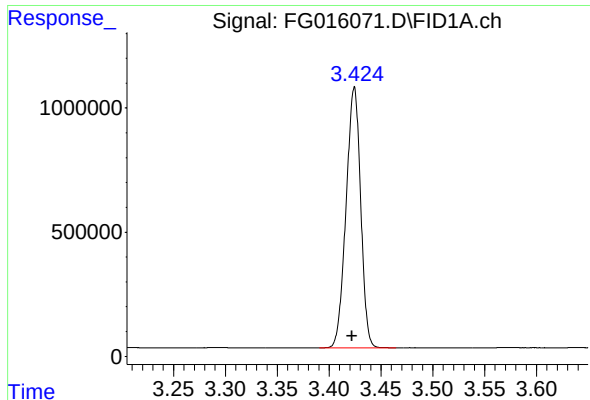
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016071.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 14:05
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jun 16 06:40:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:39:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

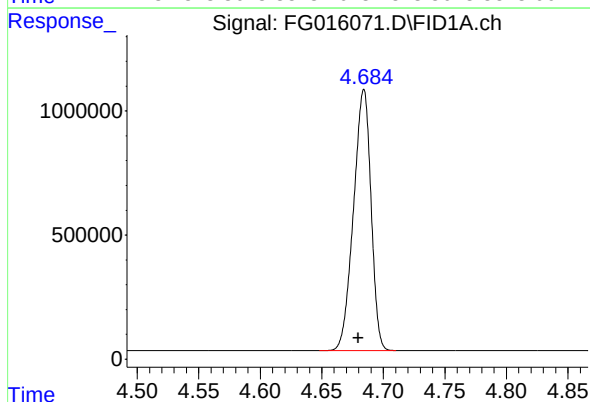




#1 n-Nonane (C9)

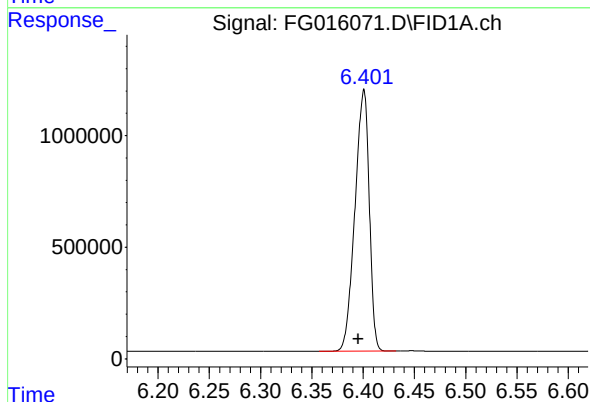
R.T.: 3.424 min
Delta R.T.: 0.002 min
Response: 10265834
Conc: 97.27 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



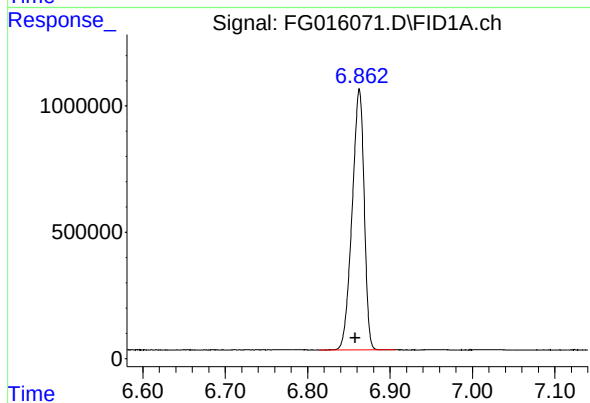
#2 n-Decane (C10)

R.T.: 4.684 min
Delta R.T.: 0.004 min
Response: 10421015
Conc: 97.34 ug/ml



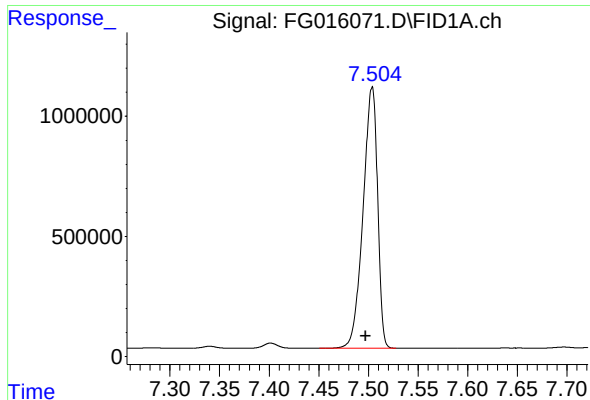
#3 A~Naphthalene (C11.7)

R.T.: 6.401 min
Delta R.T.: 0.005 min
Response: 11351238
Conc: 97.26 ug/ml



#4 n-Dodecane (C12)

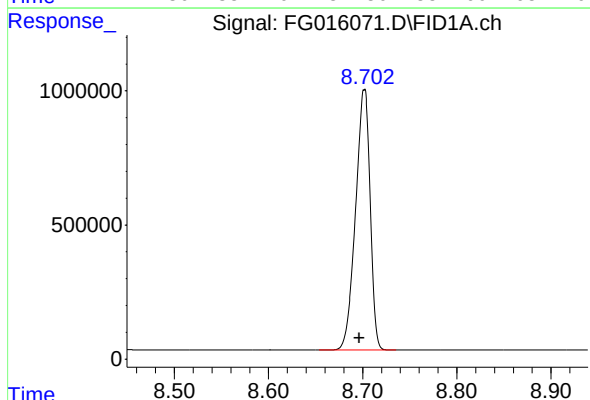
R.T.: 6.863 min
Delta R.T.: 0.005 min
Response: 10500262
Conc: 97.80 ug/ml



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

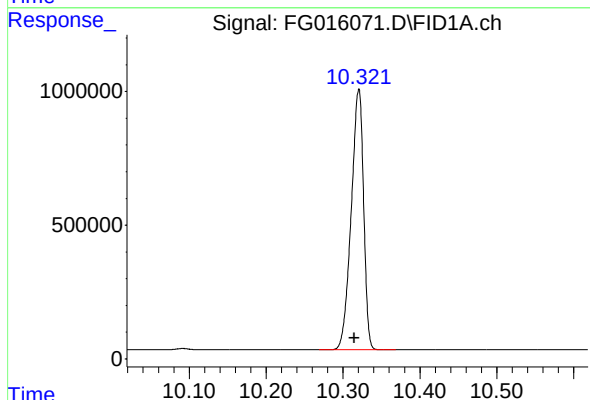
R.T.: 7.504 min
Delta R.T.: 0.006 min
Response: 11069941
Conc: 97.52 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



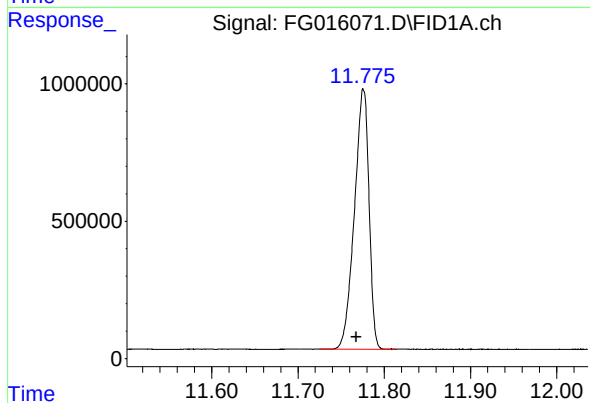
#6 n-Tetradecane (C14)

R.T.: 8.702 min
Delta R.T.: 0.005 min
Response: 10460547
Conc: 97.92 ug/ml



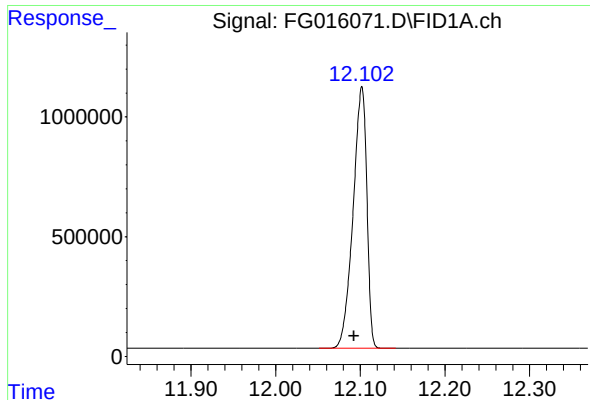
#7 n-Hexadecane (C16)

R.T.: 10.321 min
Delta R.T.: 0.006 min
Response: 10887397
Conc: 98.24 ug/ml



#8 n-Octadecane (C18)

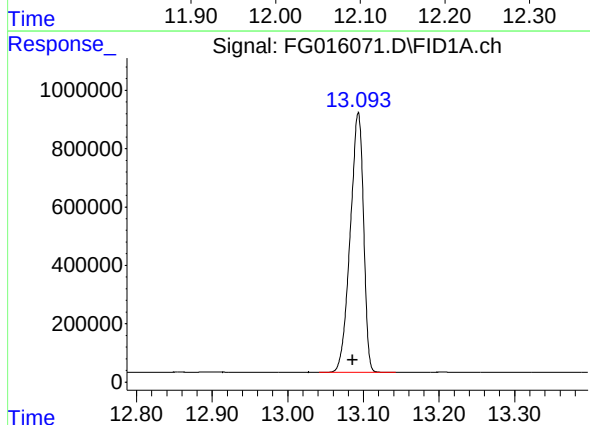
R.T.: 11.776 min
Delta R.T.: 0.009 min
Response: 11131441
Conc: 98.38 ug/ml



#9 ortho-Terphenyl (SURR)

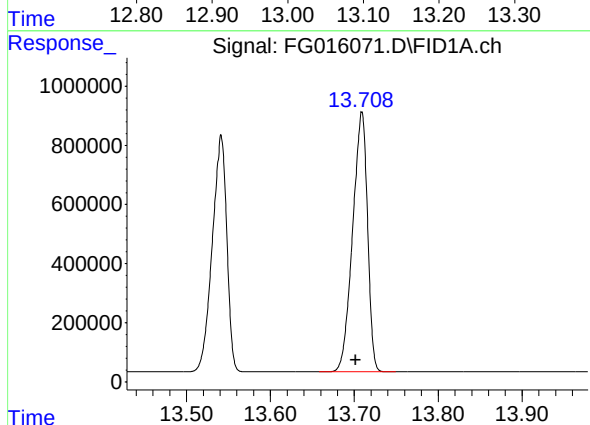
R.T.: 12.102 min
Delta R.T.: 0.009 min
Response: 12319256
Conc: 98.06 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



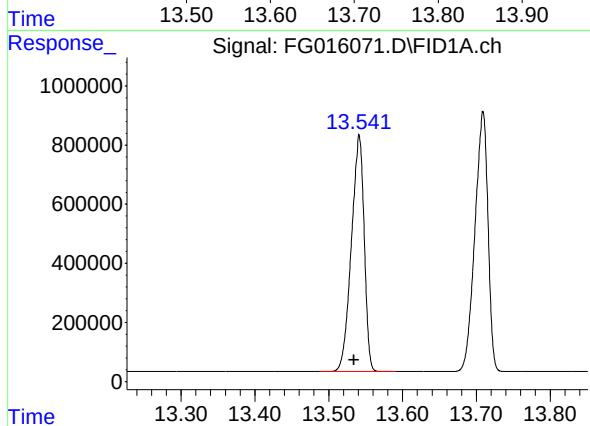
#10 n-Eicosane (C20)

R.T.: 13.093 min
Delta R.T.: 0.008 min
Response: 10887120
Conc: 98.35 ug/ml



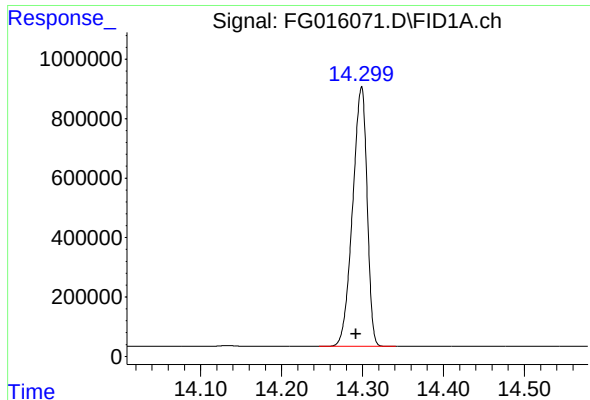
#11 n-Heneicosane (C21)

R.T.: 13.709 min
Delta R.T.: 0.008 min
Response: 10809123
Conc: 98.18 ug/ml



#12 1-chlorooctadecane (SURR)

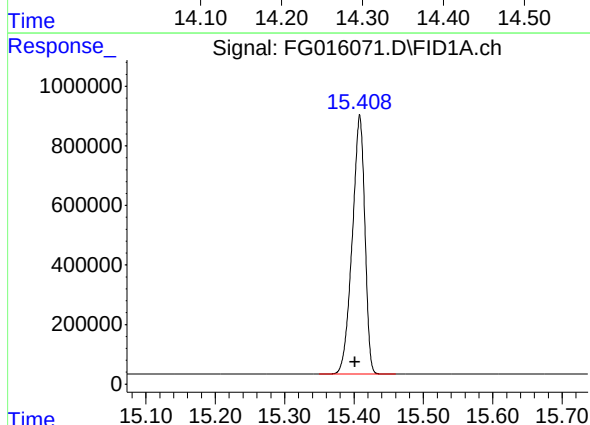
R.T.: 13.541 min
Delta R.T.: 0.007 min
Response: 9625924
Conc: 98.13 ug/ml



#13 n-Docosane (C22)

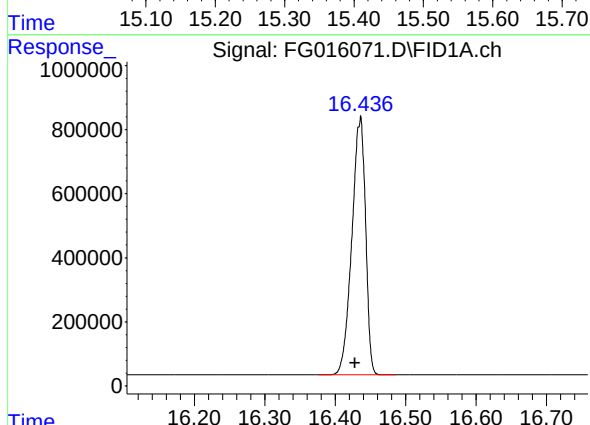
R.T.: 14.299 min
Delta R.T.: 0.007 min
Response: 10847807
Conc: 98.09 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



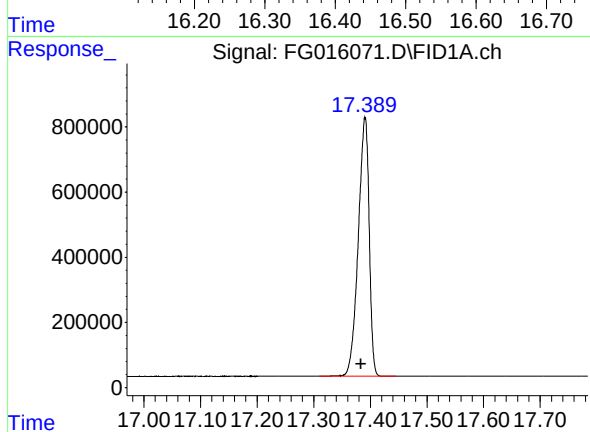
#14 n-Tetracosane (C24)

R.T.: 15.408 min
Delta R.T.: 0.007 min
Response: 10956206
Conc: 97.50 ug/ml



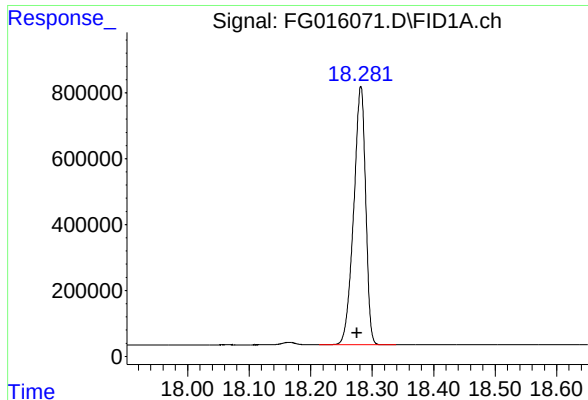
#15 n-Hexacosane (C26)

R.T.: 16.436 min
Delta R.T.: 0.008 min
Response: 10874105
Conc: 96.78 ug/ml



#16 n-Octacosane (C28)

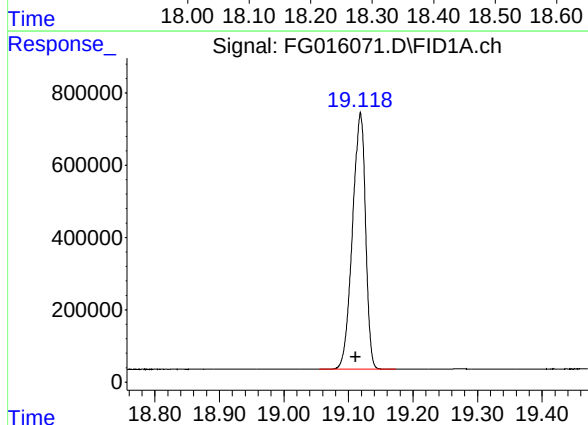
R.T.: 17.391 min
Delta R.T.: 0.007 min
Response: 10660437
Conc: 96.16 ug/ml



#17 n-Tricontane (C30)

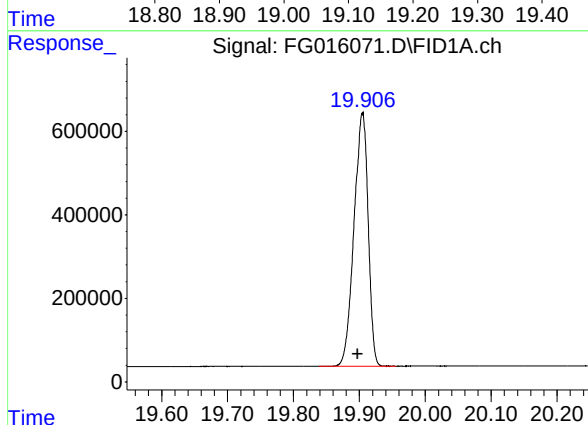
R.T.: 18.282 min
Delta R.T.: 0.007 min
Response: 10619759
Conc: 94.65 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



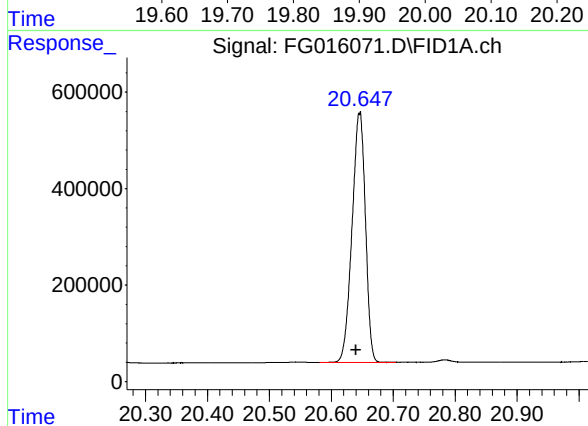
#18 n-Dotriacontane (C32)

R.T.: 19.119 min
Delta R.T.: 0.008 min
Response: 10002723
Conc: 93.33 ug/ml



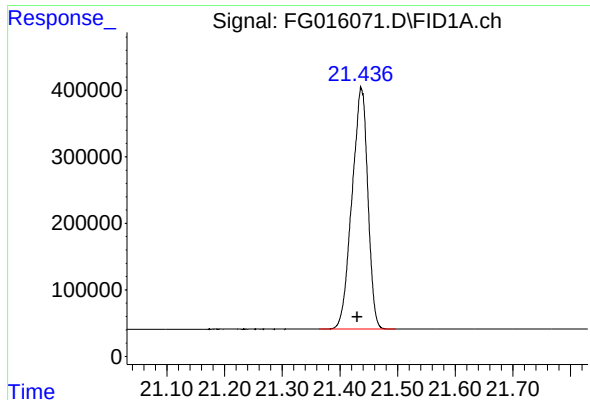
#19 n-Tetatriacontane (C34)

R.T.: 19.905 min
Delta R.T.: 0.007 min
Response: 9047304
Conc: 92.87 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.646 min
Delta R.T.: 0.006 min
Response: 7775206
Conc: 92.82 ug/ml



#21 n-Octatriacontane (C38)

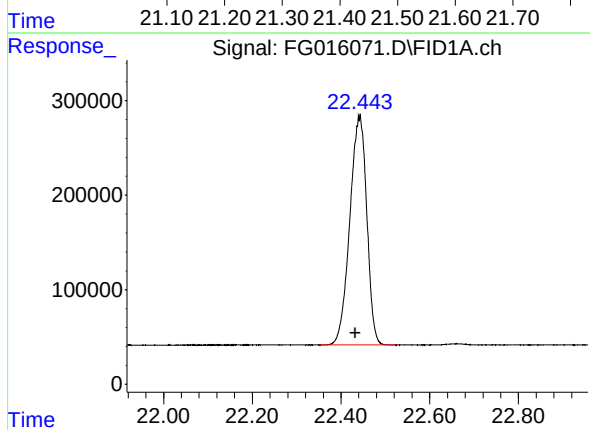
R.T.: 21.437 min
Delta R.T.: 0.007 min
Response: 6940056
Conc: 93.21 ug/ml

Instrument :

FID_G

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.443 min
Delta R.T.: 0.011 min
Response: 6437601
Conc: 94.18 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016071.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 14:05
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.424	3.390	3.465	BB	1052357	10265834	83.33%	4.585%
2	4.684	4.648	4.710	BB	1053856	10421015	84.59%	4.655%
3	6.401	6.357	6.432	BV	1169744	11351238	92.14%	5.070%
4	6.863	6.814	6.907	BB	1033033	10500262	85.23%	4.690%
5	7.504	7.450	7.528	BB	1085196	11069941	89.86%	4.944%
6	8.702	8.654	8.735	BB	969591	10460547	84.91%	4.672%
7	10.321	10.269	10.369	BB	974328	10887397	88.38%	4.863%
8	11.776	11.725	11.814	BB	943511	11131441	90.36%	4.972%
9	12.102	12.051	12.142	BB	1093779	12319256	100.00%	5.502%
10	13.093	13.041	13.143	BB	888505	10887120	88.37%	4.863%
11	13.541	13.487	13.591	BB	800655	9625924	78.14%	4.299%
12	13.709	13.658	13.750	BB	879914	10809123	87.74%	4.828%
13	14.299	14.246	14.341	BB	873265	10847807	88.06%	4.845%
14	15.408	15.350	15.460	BB	869218	10956206	88.94%	4.894%
15	16.436	16.377	16.486	BB	807724	10874105	88.27%	4.857%
16	17.391	17.310	17.445	BB	793279	10660437	86.53%	4.761%
17	18.282	18.214	18.339	BB	783730	10619759	86.20%	4.743%
18	19.119	19.055	19.174	BB	710210	10002723	81.20%	4.468%
19	19.905	19.839	19.955	BB	603725	9047304	73.44%	4.041%
20	20.646	20.580	20.704	BB	514279	7775206	63.11%	3.473%
21	21.437	21.364	21.497	BB	361018	6940056	56.34%	3.100%
22	22.443	22.350	22.524	BB	244066	6437601	52.26%	2.875%
Sum of corrected areas:						223890303		

Aliphatic EPH 061325.M Mon Jun 16 07:03:50 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016072.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 14:34
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Jun 16 06:41:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:39:56 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)	12.096	6323398	50.334 ug/ml
Spiked Amount 50.000		Recovery =	100.67%
12) S 1-chlorooctadecane (S...	13.537	4942965	50.390 ug/ml
Spiked Amount 50.000		Recovery =	100.78%
Target Compounds			
1) T n-Nonane (C9)	3.422	5282413	50.050 ug/ml
2) T n-Decane (C10)	4.681	5358787	50.057 ug/ml
3) T A~Naphthalene (C11.7)	6.397	5839682	50.034 ug/ml
4) T n-Dodecane (C12)	6.859	5389005	50.196 ug/ml
5) T A~2-methylnaphthalene...	7.499	5689440	50.122 ug/ml
6) T n-Tetradecane (C14)	8.698	5364151	50.211 ug/ml
7) T n-Hexadecane (C16)	10.317	5578750	50.340 ug/ml
8) T n-Octadecane (C18)	11.770	5705865	50.428 ug/ml
10) T n-Eicosane (C20)	13.088	5586554	50.464 ug/ml
11) T n-Heneicosane (C21)	13.704	5553509	50.443 ug/ml
13) T n-Docosane (C22)	14.295	5578784	50.443 ug/ml
14) T n-Tetracosane (C24)	15.404	5654747	50.320 ug/ml
15) T n-Hexacosane (C26)	16.431	5630584	50.110 ug/ml
16) T n-Octacosane (C28)	17.386	5542792	49.997 ug/ml
17) T n-Tricontane (C30)	18.278	5543018	49.405 ug/ml
18) T n-Dotriacontane (C32)	19.114	5238666	48.879 ug/ml
19) T n-Tetratriacontane (C34)	19.901	4741671	48.674 ug/ml
20) T n-Hexatriacontane (C36)	20.644	4064127	48.516 ug/ml
21) T n-Octatriacontane (C38)	21.434	3616216	48.567 ug/ml
22) T n-Tetracontane (C40)	22.437	3330661	48.727 ug/ml

(f)=RT Delta > 1/2 Window

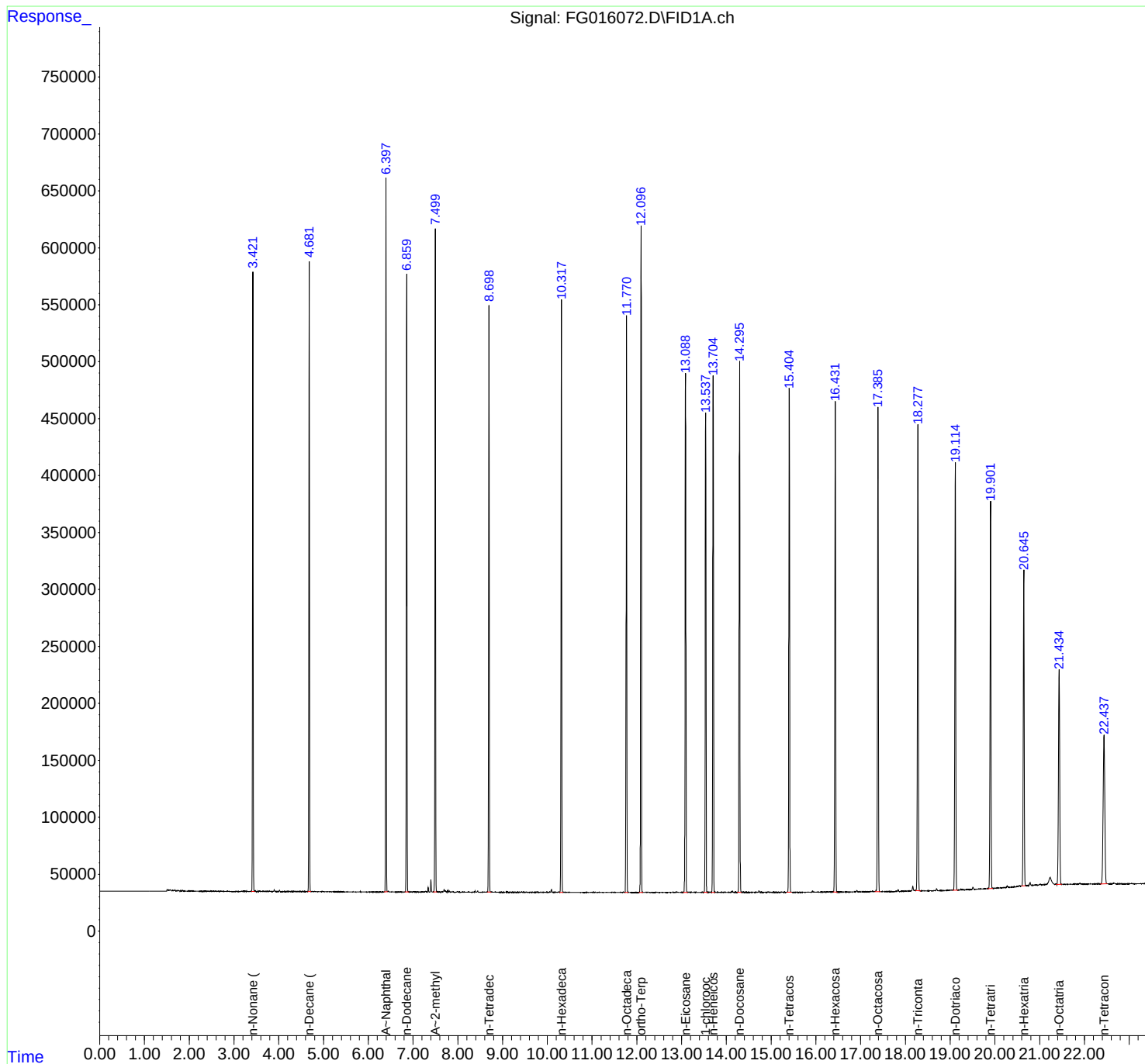
(m)=manual int.

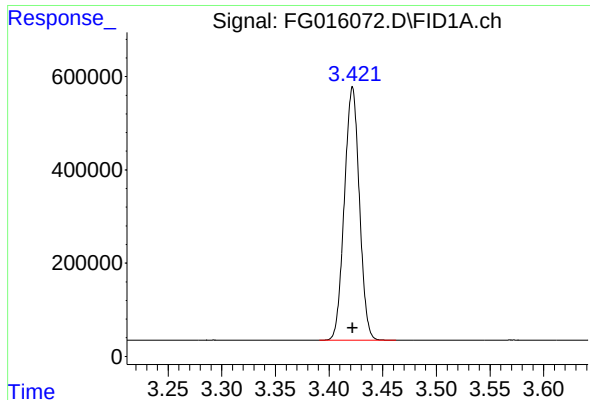
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016072.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 14:34
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Jun 16 06:41:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:39:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

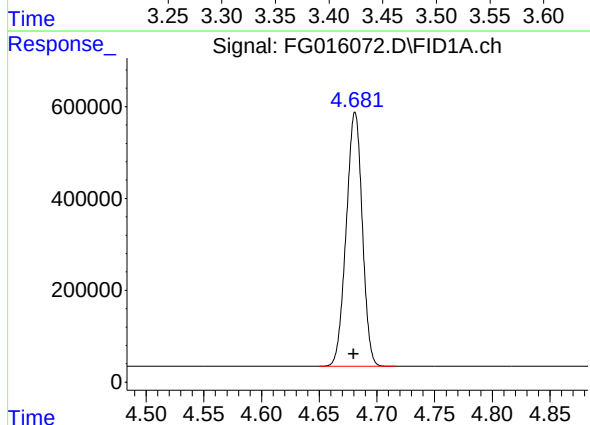




#1 n-Nonane (C9)

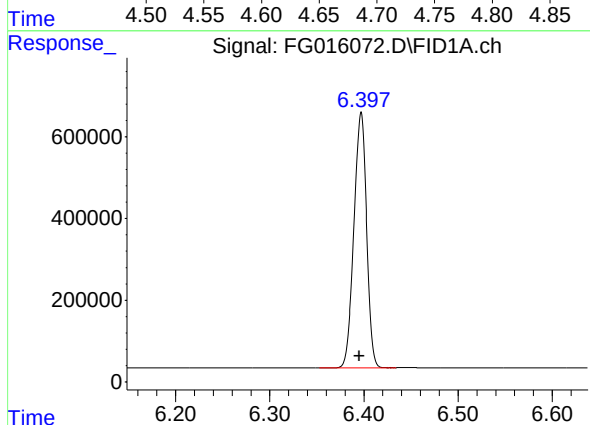
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 5282413
Conc: 50.05 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



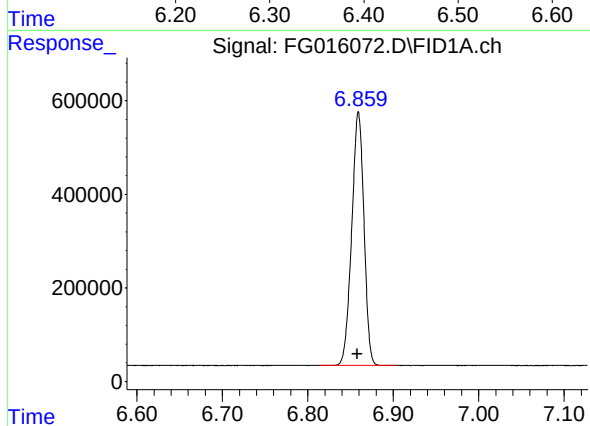
#2 n-Decane (C10)

R.T.: 4.681 min
Delta R.T.: 0.001 min
Response: 5358787
Conc: 50.06 ug/ml



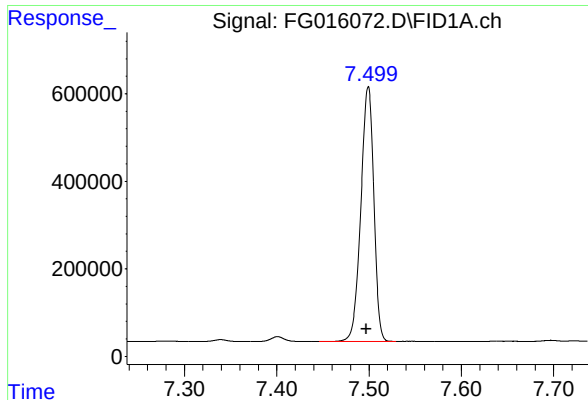
#3 A~Naphthalene (C11.7)

R.T.: 6.397 min
Delta R.T.: 0.002 min
Response: 5839682
Conc: 50.03 ug/ml



#4 n-Dodecane (C12)

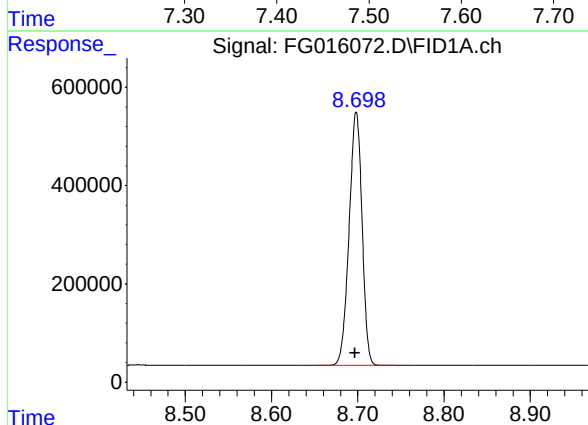
R.T.: 6.859 min
Delta R.T.: 0.001 min
Response: 5389005
Conc: 50.20 ug/ml



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

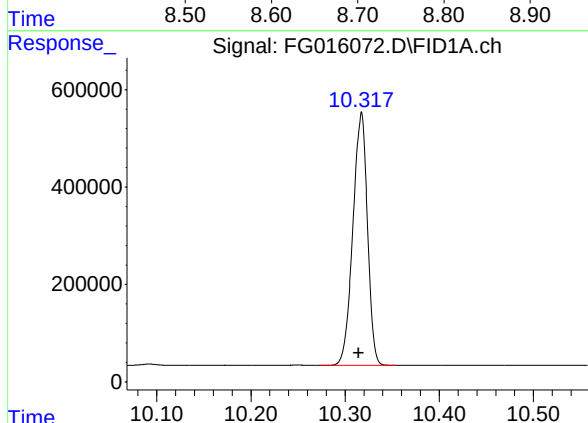
R.T.: 7.499 min
Delta R.T.: 0.002 min
Response: 5689440
Conc: 50.12 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



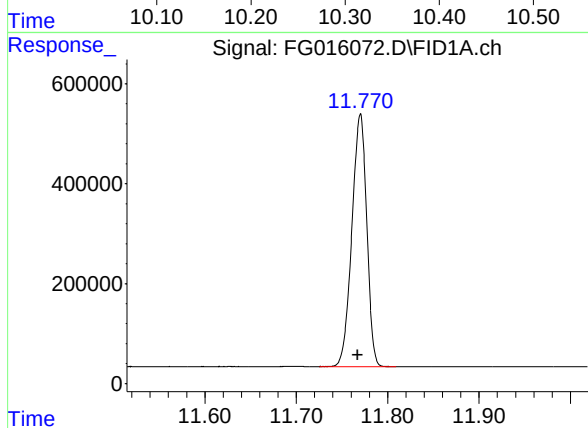
#6 n-Tetradecane (C14)

R.T.: 8.698 min
Delta R.T.: 0.002 min
Response: 5364151
Conc: 50.21 ug/ml



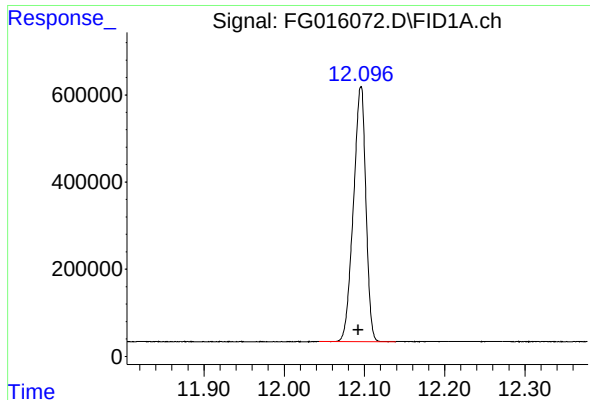
#7 n-Hexadecane (C16)

R.T.: 10.317 min
Delta R.T.: 0.003 min
Response: 5578750
Conc: 50.34 ug/ml



#8 n-Octadecane (C18)

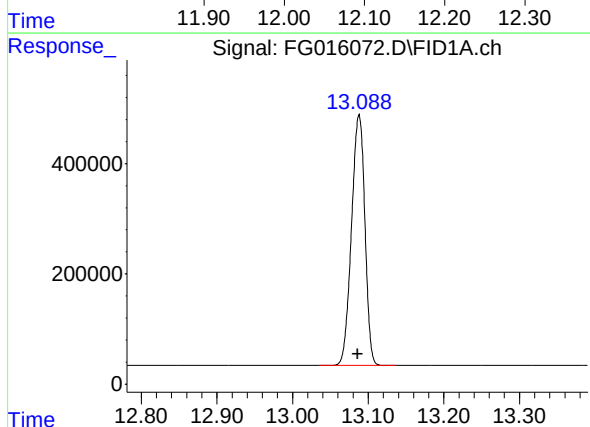
R.T.: 11.770 min
Delta R.T.: 0.003 min
Response: 5705865
Conc: 50.43 ug/ml



#9 ortho-Terphenyl (SURR)

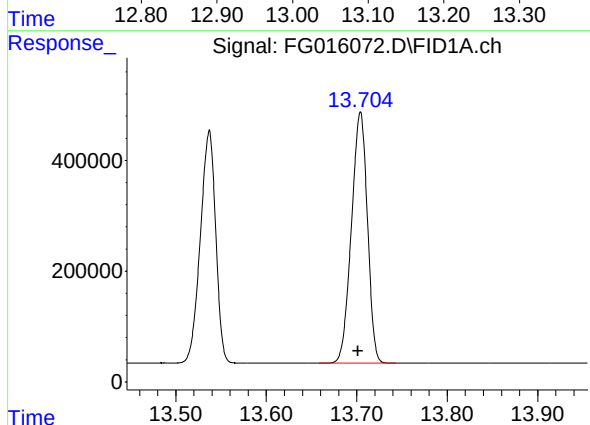
R.T.: 12.096 min
Delta R.T.: 0.003 min
Response: 6323398
Conc: 50.33 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



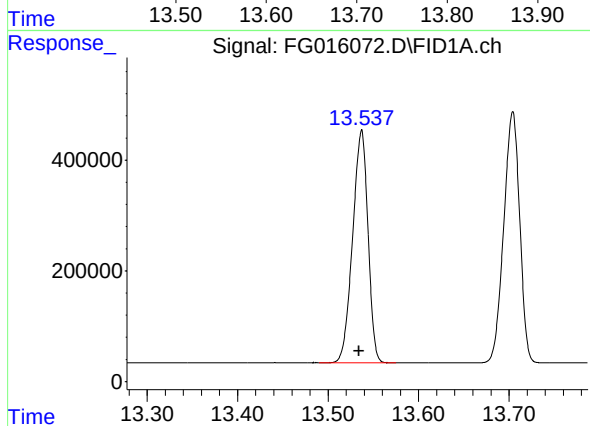
#10 n-Eicosane (C20)

R.T.: 13.088 min
Delta R.T.: 0.002 min
Response: 5586554
Conc: 50.46 ug/ml



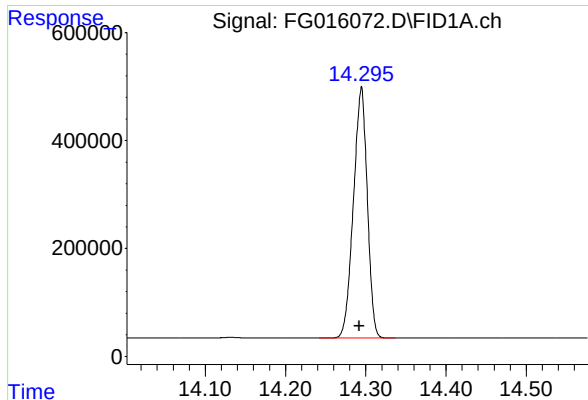
#11 n-Heneicosane (C21)

R.T.: 13.704 min
Delta R.T.: 0.003 min
Response: 5553509
Conc: 50.44 ug/ml



#12 1-chlorooctadecane (SURR)

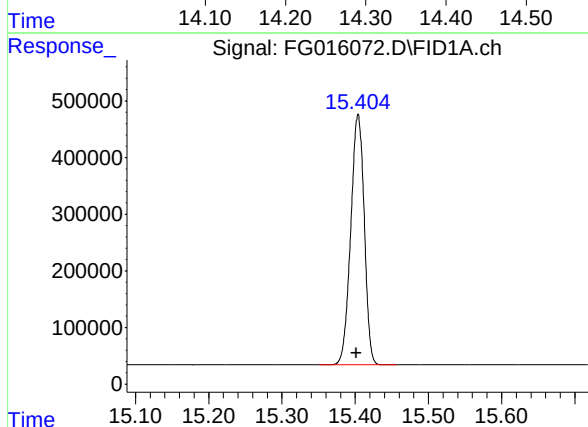
R.T.: 13.537 min
Delta R.T.: 0.003 min
Response: 4942965
Conc: 50.39 ug/ml



#13 n-Docosane (C22)

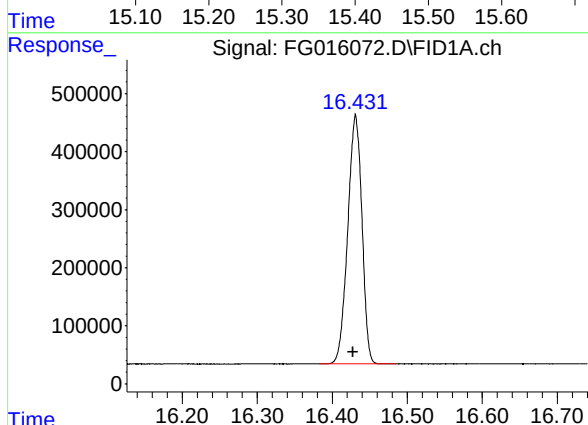
R.T.: 14.295 min
Delta R.T.: 0.003 min
Response: 5578784
Conc: 50.44 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



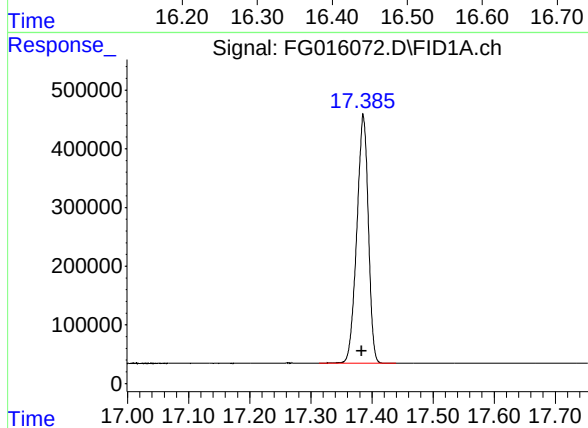
#14 n-Tetracosane (C24)

R.T.: 15.404 min
Delta R.T.: 0.003 min
Response: 5654747
Conc: 50.32 ug/ml



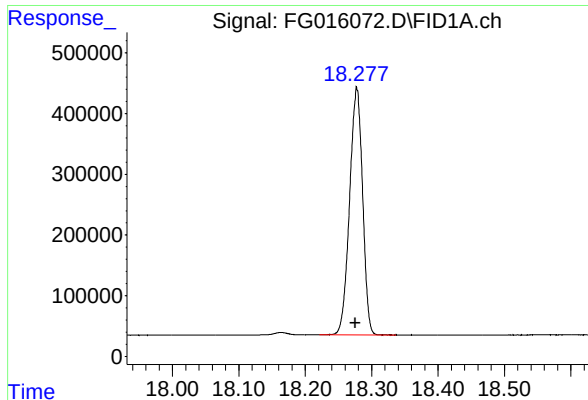
#15 n-Hexacosane (C26)

R.T.: 16.431 min
Delta R.T.: 0.003 min
Response: 5630584
Conc: 50.11 ug/ml



#16 n-Octacosane (C28)

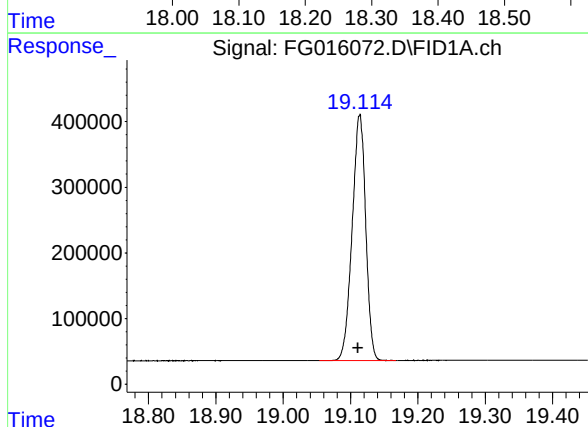
R.T.: 17.386 min
Delta R.T.: 0.003 min
Response: 5542792
Conc: 50.00 ug/ml



#17 n-Tricontane (C30)

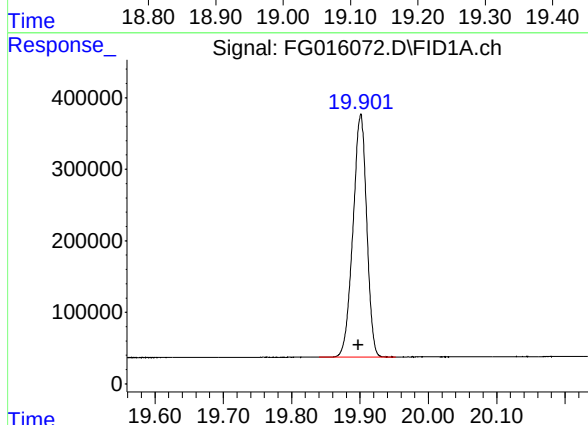
R.T.: 18.278 min
Delta R.T.: 0.003 min
Response: 5543018
Conc: 49.41 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



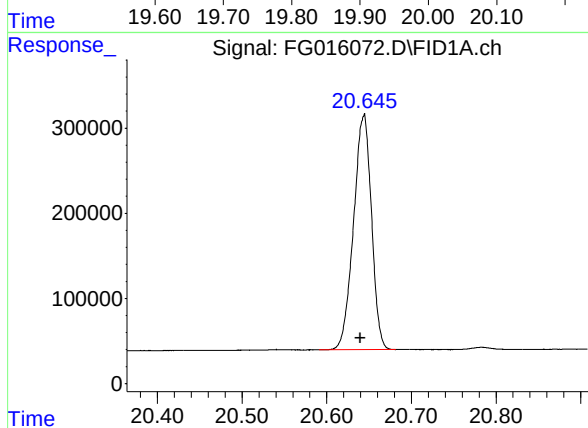
#18 n-Dotriacontane (C32)

R.T.: 19.114 min
Delta R.T.: 0.002 min
Response: 5238666
Conc: 48.88 ug/ml



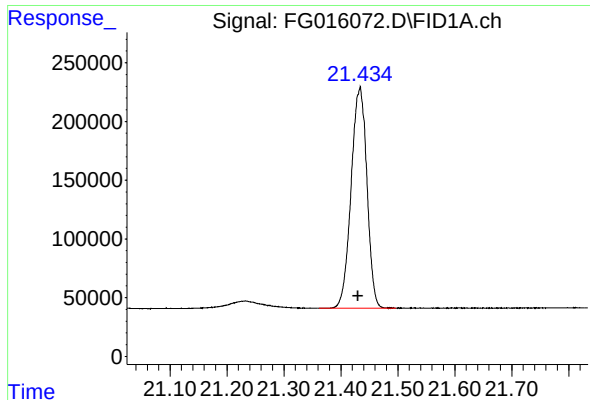
#19 n-Tetatriacontane (C34)

R.T.: 19.901 min
Delta R.T.: 0.003 min
Response: 4741671
Conc: 48.67 ug/ml



#20 n-Hexatriacontane (C36)

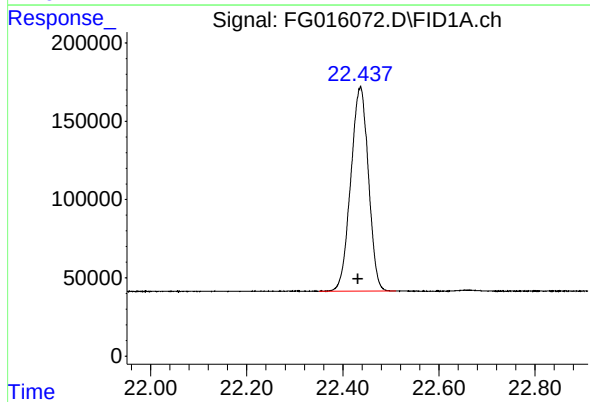
R.T.: 20.644 min
Delta R.T.: 0.004 min
Response: 4064127
Conc: 48.52 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.434 min
Delta R.T.: 0.003 min
Response: 3616216
Conc: 48.57 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.437 min
Delta R.T.: 0.005 min
Response: 3330661
Conc: 48.73 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016072.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 14:34
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.422	3.391	3.463	BB	543888	5282413	83.54%	4.571%
2	4.681	4.650	4.717	BB	553263	5358787	84.75%	4.637%
3	6.397	6.353	6.434	BV	627309	5839682	92.35%	5.054%
4	6.859	6.813	6.903	BB	542258	5389005	85.22%	4.664%
5	7.499	7.446	7.529	BB	581901	5689440	89.97%	4.924%
6	8.698	8.655	8.744	BB	515326	5364151	84.83%	4.642%
7	10.317	10.273	10.354	BB	520515	5578750	88.22%	4.828%
8	11.770	11.725	11.809	BB	504995	5705865	90.23%	4.938%
9	12.096	12.043	12.139	BB	585107	6323398	100.00%	5.472%
10	13.088	13.035	13.137	BB	456224	5586554	88.35%	4.835%
11	13.537	13.490	13.575	BB	421902	4942965	78.17%	4.278%
12	13.704	13.658	13.743	BB	453752	5553509	87.82%	4.806%
13	14.295	14.242	14.338	BB	467118	5578784	88.22%	4.828%
14	15.404	15.351	15.456	BB	442544	5654747	89.43%	4.894%
15	16.431	16.383	16.485	BB	429618	5630584	89.04%	4.873%
16	17.386	17.313	17.439	BB	423056	5542792	87.66%	4.797%
17	18.278	18.221	18.337	BB	407546	5543018	87.66%	4.797%
18	19.114	19.053	19.168	BB	373275	5238666	82.85%	4.533%
19	19.901	19.840	19.953	BB	339150	4741671	74.99%	4.103%
20	20.644	20.591	20.682	BB	275777	4064127	64.27%	3.517%
21	21.434	21.362	21.497	BB	187569	3616216	57.19%	3.129%
22	22.437	22.350	22.510	BB	130908	3330661	52.67%	2.882%
Sum of corrected areas:						115555784		

Aliphatic EPH 061325.M Mon Jun 16 07:04:16 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016073.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 15:03
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Jun 16 06:41:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:39:56 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)	12.092	2512588	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.534	1961882	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.422	2110859	20.000 ug/ml
2) T n-Decane (C10)	4.680	2141056	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.395	2334263	20.000 ug/ml
4) T n-Dodecane (C12)	6.858	2147185	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.497	2270238	20.000 ug/ml
6) T n-Tetradecane (C14)	8.697	2136654	20.000 ug/ml
7) T n-Hexadecane (C16)	10.315	2216423	20.000 ug/ml
8) T n-Octadecane (C18)	11.767	2262977	20.000 ug/ml
10) T n-Eicosane (C20)	13.086	2214059	20.000 ug/ml
11) T n-Heneicosane (C21)	13.701	2201898	20.000 ug/ml
13) T n-Docosane (C22)	14.292	2211918	20.000 ug/ml
14) T n-Tetracosane (C24)	15.401	2247523	20.000 ug/ml
15) T n-Hexacosane (C26)	16.428	2247292	20.000 ug/ml
16) T n-Octacosane (C28)	17.383	2217254	20.000 ug/ml
17) T n-Tricontane (C30)	18.275	2243899	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.111	2143536	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.898	1948322	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.640	1675390	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.430	1489170	20.000 ug/ml
22) T n-Tetracontane (C40)	22.432	1367074	20.000 ug/ml

(f)=RT Delta > 1/2 Window

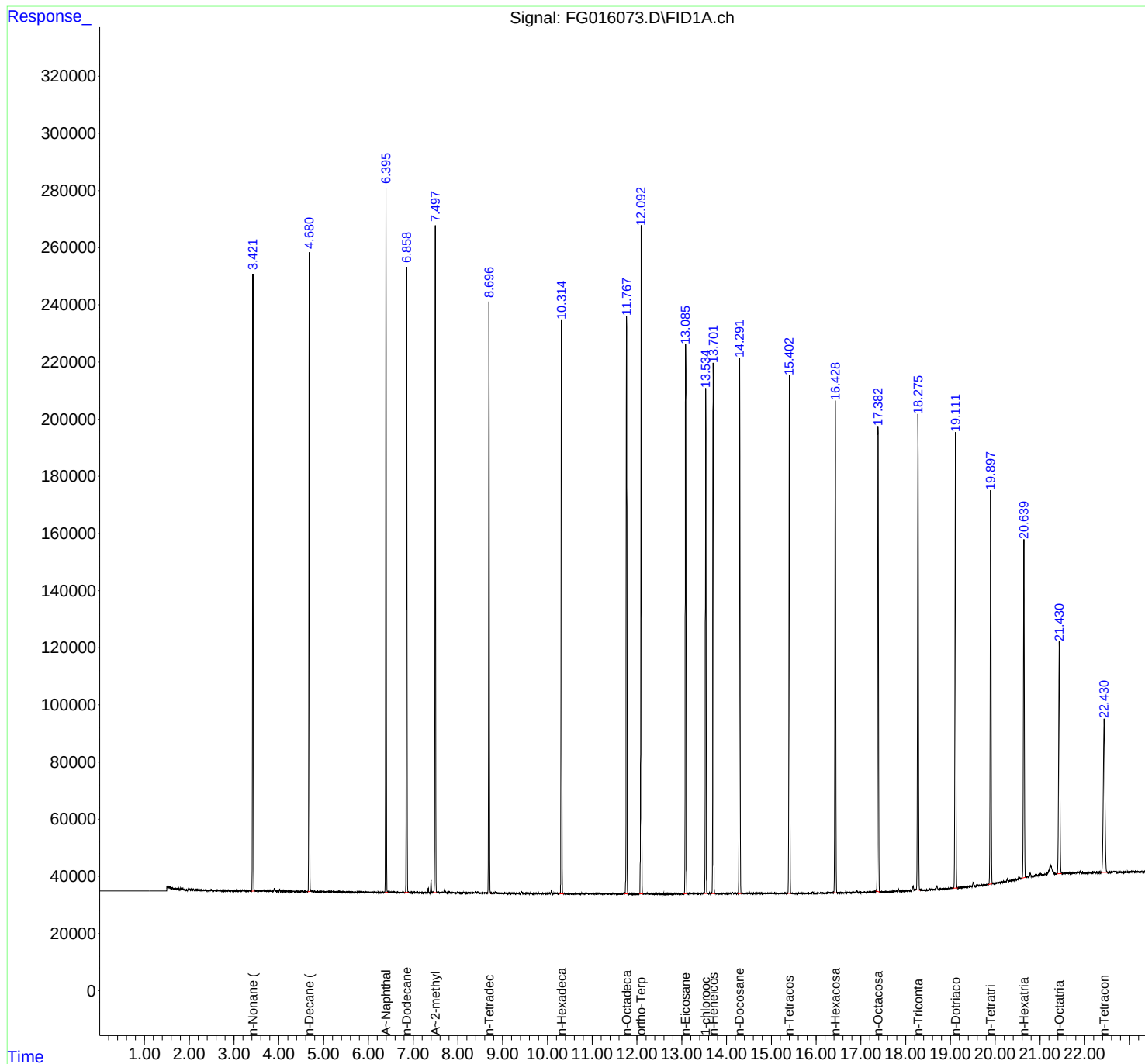
(m)=manual int.

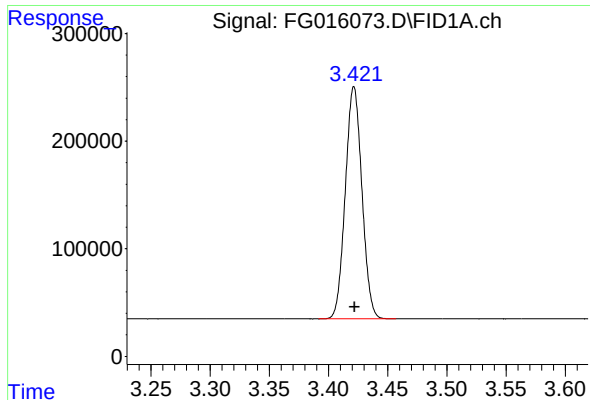
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016073.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 15:03
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jun 16 06:41:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:39:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

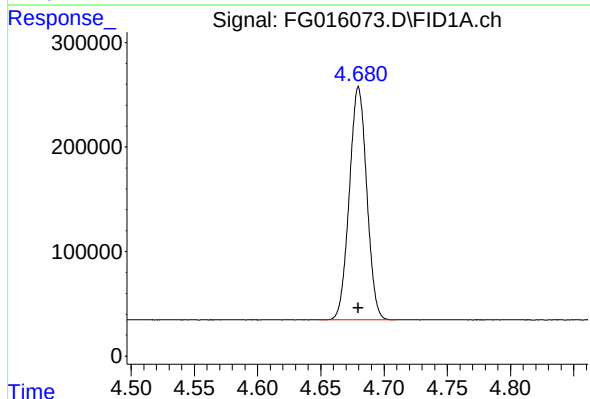




#1 n-Nonane (C9)

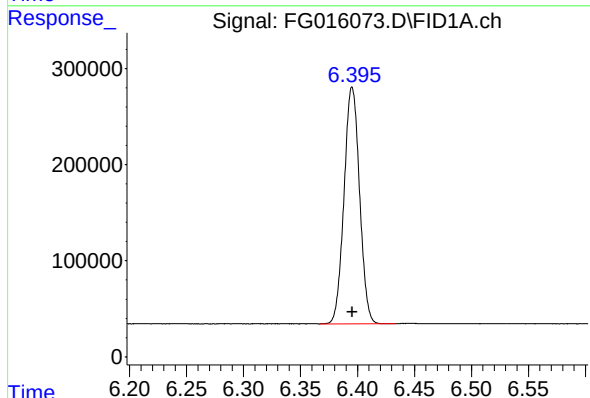
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 2110859
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



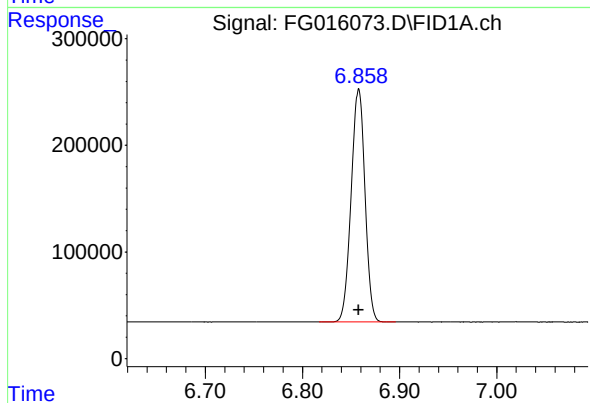
#2 n-Decane (C10)

R.T.: 4.680 min
Delta R.T.: 0.000 min
Response: 2141056
Conc: 20.00 ug/ml



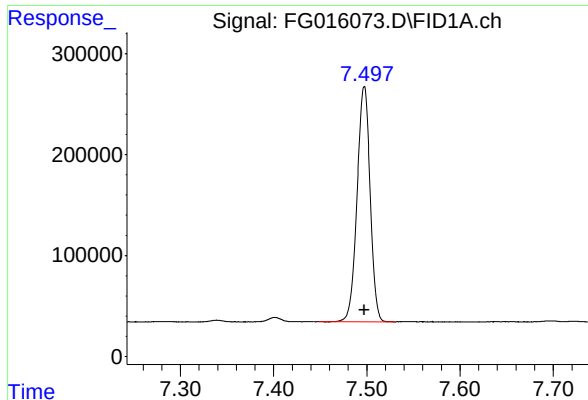
#3 A~Naphthalene (C11.7)

R.T.: 6.395 min
Delta R.T.: 0.000 min
Response: 2334263
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

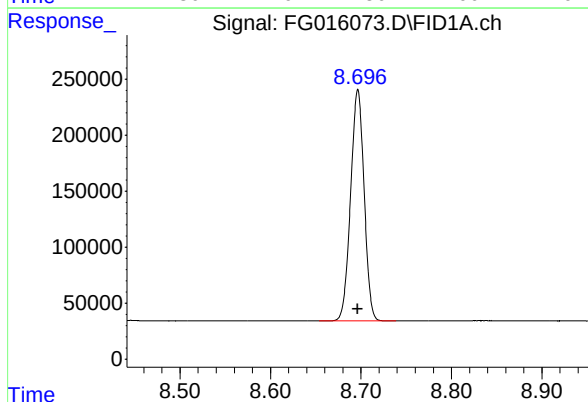
R.T.: 6.858 min
Delta R.T.: 0.000 min
Response: 2147185
Conc: 20.00 ug/ml



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

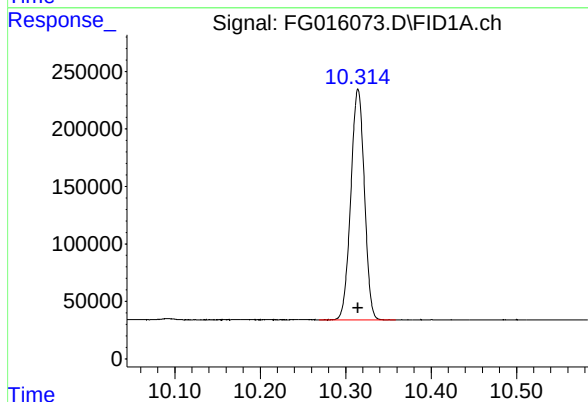
R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 2270238
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



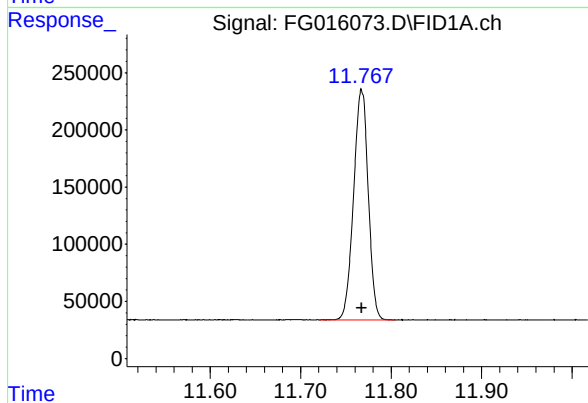
#6 n-Tetradecane (C14)

R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 2136654
Conc: 20.00 ug/ml



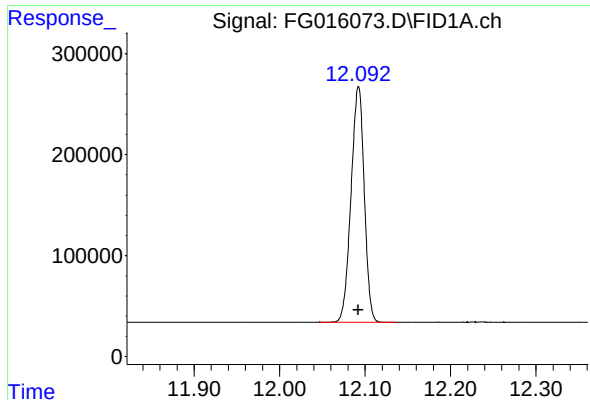
#7 n-Hexadecane (C16)

R.T.: 10.315 min
Delta R.T.: 0.000 min
Response: 2216423
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

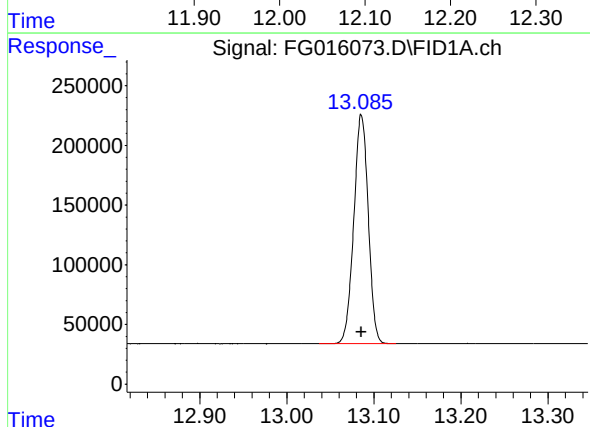
R.T.: 11.767 min
Delta R.T.: 0.000 min
Response: 2262977
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

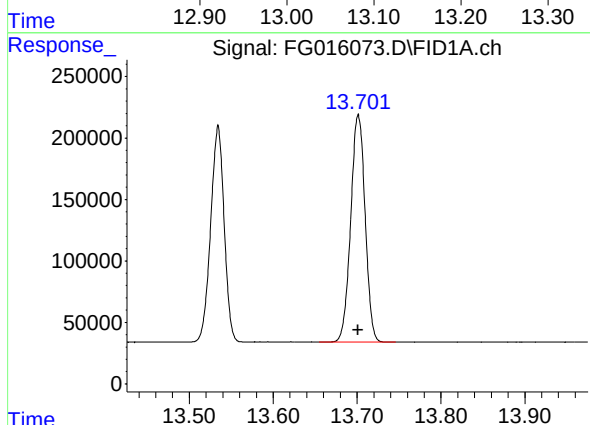
R.T.: 12.092 min
Delta R.T.: 0.000 min
Response: 2512588
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



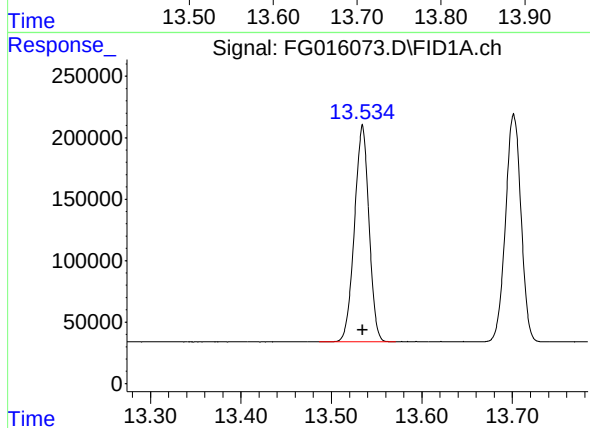
#10 n-Eicosane (C20)

R.T.: 13.086 min
Delta R.T.: 0.000 min
Response: 2214059
Conc: 20.00 ug/ml



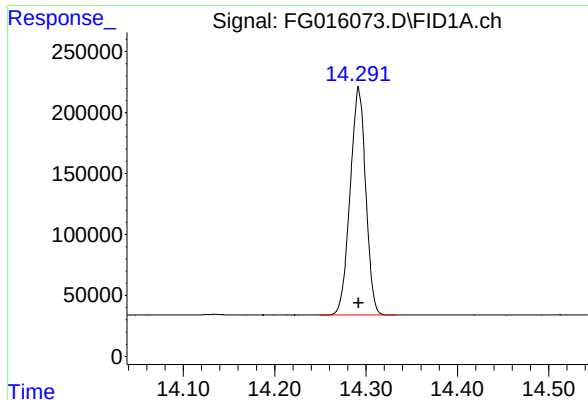
#11 n-Heneicosane (C21)

R.T.: 13.701 min
Delta R.T.: 0.000 min
Response: 2201898
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

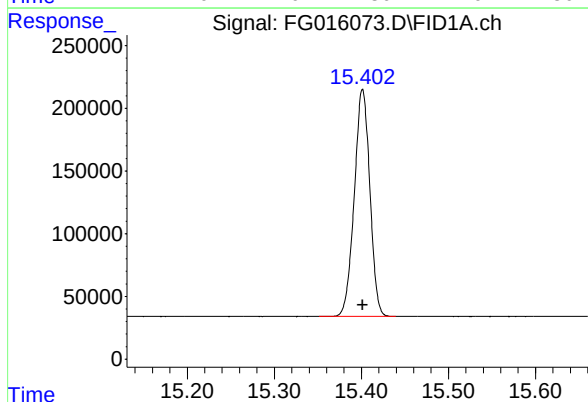
R.T.: 13.534 min
Delta R.T.: 0.000 min
Response: 1961882
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

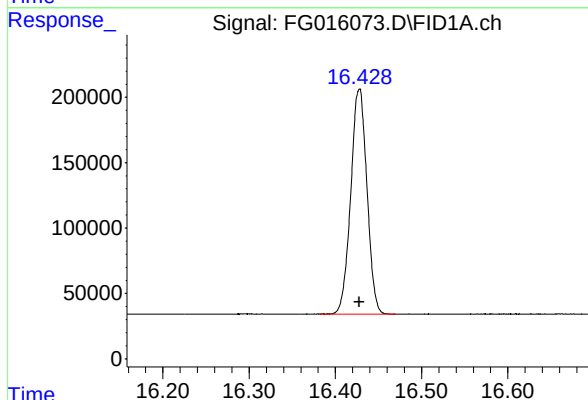
R.T.: 14.292 min
Delta R.T.: 0.000 min
Response: 2211918
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



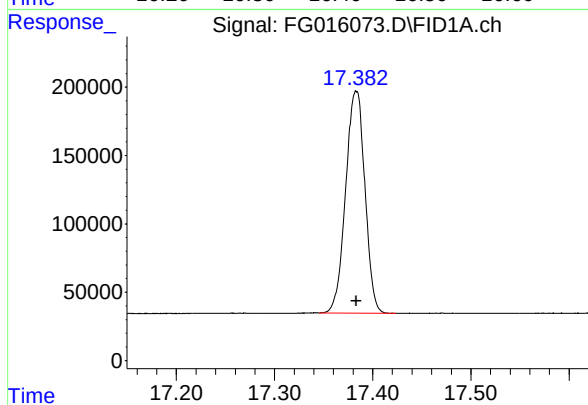
#14 n-Tetracosane (C24)

R.T.: 15.401 min
Delta R.T.: 0.000 min
Response: 2247523
Conc: 20.00 ug/ml



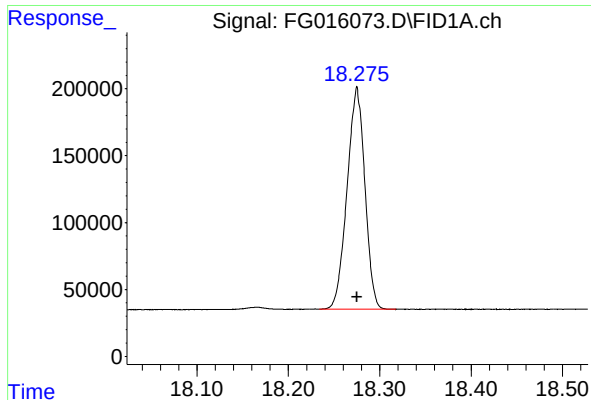
#15 n-Hexacosane (C26)

R.T.: 16.428 min
Delta R.T.: 0.000 min
Response: 2247292
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

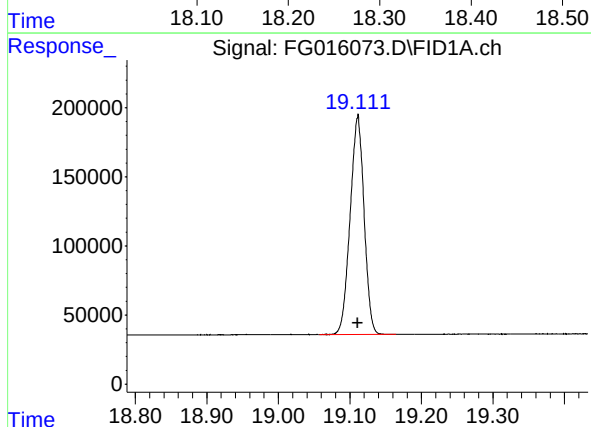
R.T.: 17.383 min
Delta R.T.: 0.000 min
Response: 2217254
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

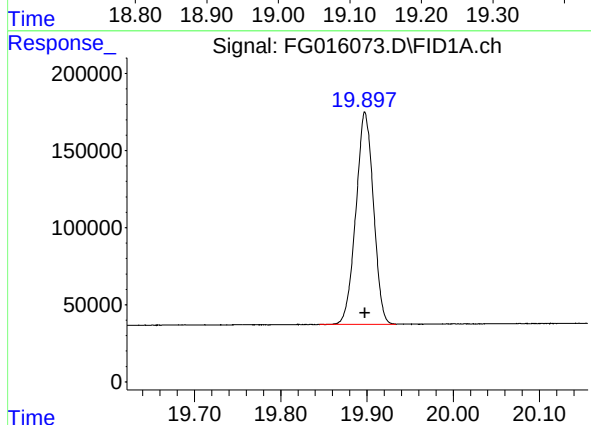
R.T.: 18.275 min
Delta R.T.: 0.000 min
Response: 2243899
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



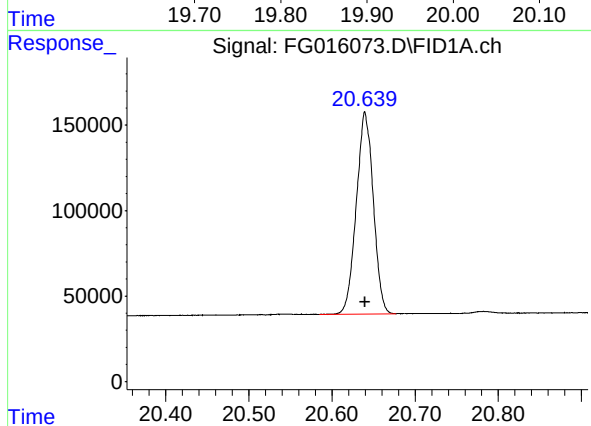
#18 n-Dotriacontane (C32)

R.T.: 19.111 min
Delta R.T.: 0.000 min
Response: 2143536
Conc: 20.00 ug/ml



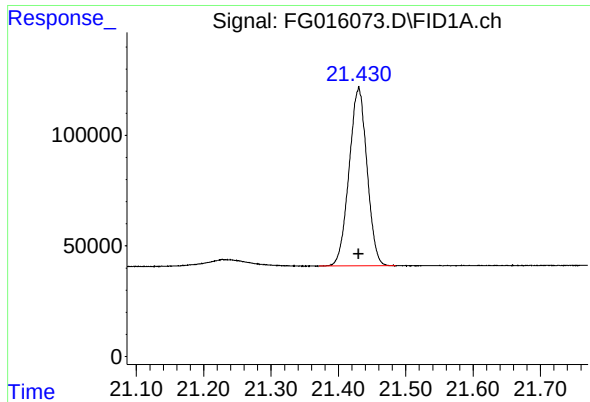
#19 n-Tetratriacontane (C34)

R.T.: 19.898 min
Delta R.T.: 0.000 min
Response: 1948322
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

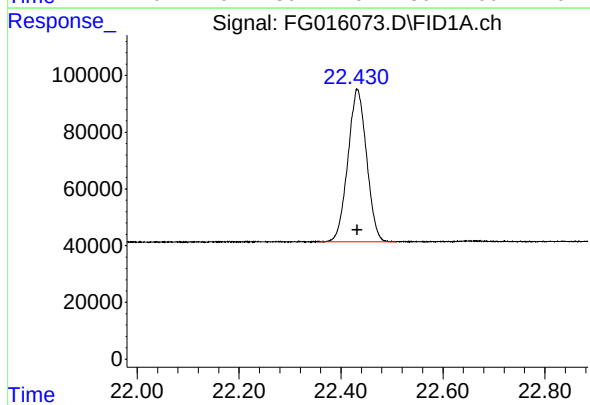
R.T.: 20.640 min
Delta R.T.: 0.000 min
Response: 1675390
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.430 min
Delta R.T.: 0.000 min
Response: 1489170
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.432 min
Delta R.T.: 0.000 min
Response: 1367074
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016073.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 15:03
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.422	3.392	3.457	BB	215954	2110859	84.01%	4.559%
2	4.680	4.649	4.710	BB	223012	2141056	85.21%	4.624%
3	6.395	6.366	6.434	BB	246459	2334263	92.90%	5.041%
4	6.858	6.817	6.896	BB	218683	2147185	85.46%	4.637%
5	7.497	7.449	7.531	BB	233356	2270238	90.35%	4.903%
6	8.697	8.654	8.739	BB	207028	2136654	85.04%	4.615%
7	10.315	10.269	10.359	BB	200667	2216423	88.21%	4.787%
8	11.767	11.720	11.805	BB	200267	2262977	90.07%	4.887%
9	12.092	12.046	12.136	BB	233767	2512588	100.00%	5.427%
10	13.086	13.037	13.125	BB	191623	2214059	88.12%	4.782%
11	13.534	13.486	13.571	BB	176573	1961882	78.08%	4.237%
12	13.701	13.655	13.746	BB	185016	2201898	87.63%	4.756%
13	14.292	14.249	14.333	BB	186757	2211918	88.03%	4.777%
14	15.401	15.351	15.440	BB	180924	2247523	89.45%	4.854%
15	16.428	16.381	16.470	BB	171976	2247292	89.44%	4.854%
16	17.383	17.345	17.424	BB	161770	2217254	88.25%	4.789%
17	18.275	18.234	18.318	BB	166537	2243899	89.31%	4.846%
18	19.111	19.057	19.165	BB	158160	2143536	85.31%	4.630%
19	19.898	19.845	19.934	BB	137655	1948322	77.54%	4.208%
20	20.640	20.585	20.677	BB	118225	1675390	66.68%	3.618%
21	21.430	21.371	21.485	BB	81200	1489170	59.27%	3.216%
22	22.432	22.357	22.508	BB	53553	1367074	54.41%	2.953%
Sum of corrected areas:							46301461	

Aliphatic EPH 061325.M Mon Jun 16 07:05:26 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016074.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 15:33
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Jun 16 06:41:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:39:56 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)	12.091	1286511	10.241 ug/ml
Spiked Amount 50.000		Recovery =	20.48%
12) S 1-chlorooctadecane (S...	13.534	1004341	10.239 ug/ml
Spiked Amount 50.000		Recovery =	20.48%
Target Compounds			
1) T n-Nonane (C9)	3.421	1080527	10.238 ug/ml
2) T n-Decane (C10)	4.680	1095102	10.230 ug/ml
3) T A~Naphthalene (C11.7)	6.396	1191754	10.211 ug/ml
4) T n-Dodecane (C12)	6.858	1097786	10.225 ug/ml
5) T A~2-methylnaphthalene...	7.497	1159323	10.213 ug/ml
6) T n-Tetradecane (C14)	8.696	1095723	10.256 ug/ml
7) T n-Hexadecane (C16)	10.314	1133303	10.226 ug/ml
8) T n-Octadecane (C18)	11.766	1158461	10.238 ug/ml
10) T n-Eicosane (C20)	13.084	1134527	10.248 ug/ml
11) T n-Heneicosane (C21)	13.701	1127454	10.241 ug/ml
13) T n-Docosane (C22)	14.290	1133031	10.245 ug/ml
14) T n-Tetracosane (C24)	15.400	1150621	10.239 ug/ml
15) T n-Hexacosane (C26)	16.427	1150749	10.241 ug/ml
16) T n-Octacosane (C28)	17.382	1138837	10.272 ug/ml
17) T n-Tricontane (C30)	18.273	1151501	10.263 ug/ml
18) T n-Dotriacontane (C32)	19.110	1100779	10.271 ug/ml
19) T n-Tetratriacontane (C34)	19.897	1003430	10.300 ug/ml
20) T n-Hexatriacontane (C36)	20.641	862082	10.291 ug/ml
21) T n-Octatriacontane (C38)	21.429	766676	10.297 ug/ml
22) T n-Tetracontane (C40)	22.435	703828	10.297 ug/ml

(f)=RT Delta > 1/2 Window

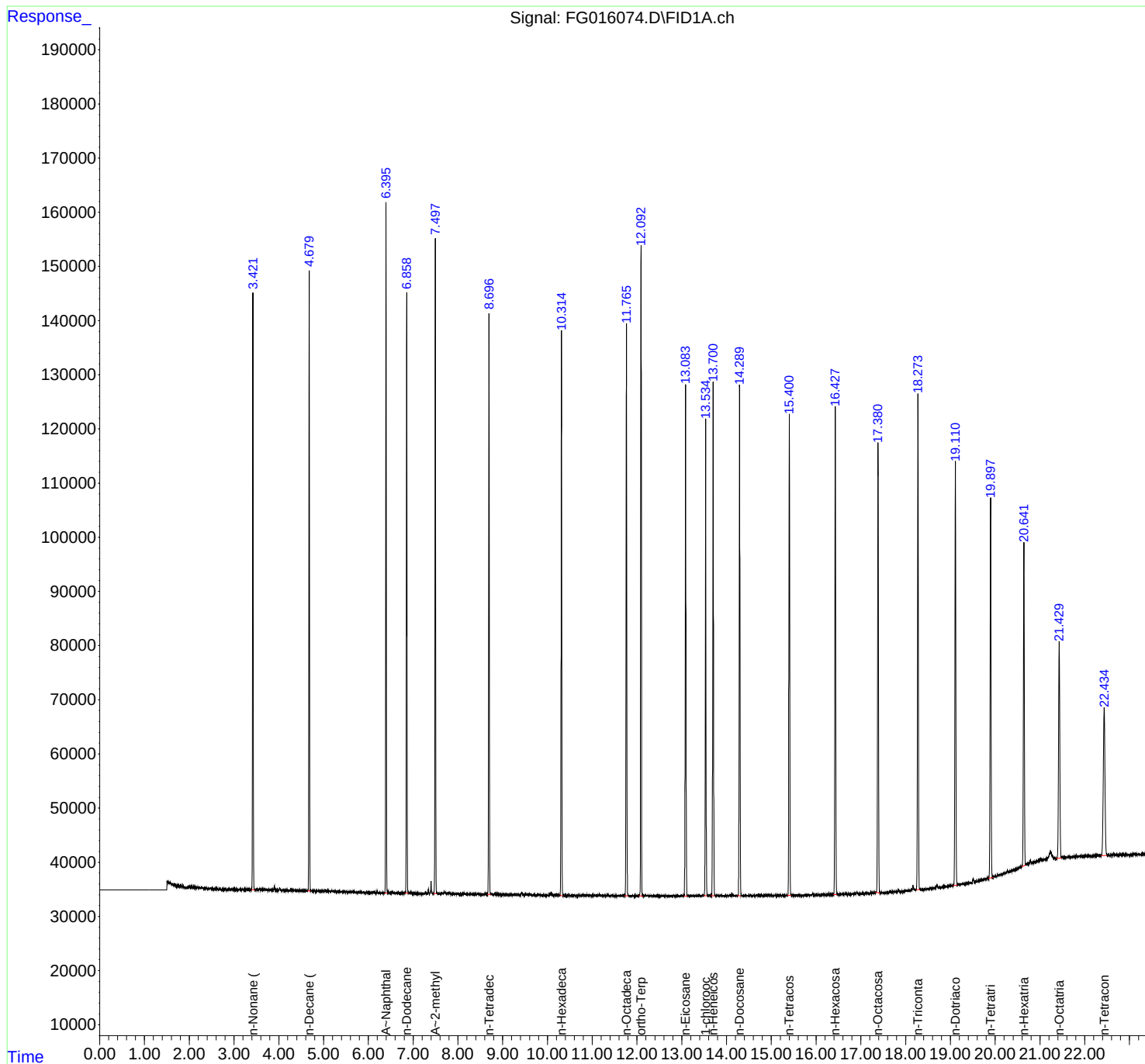
(m)=manual int.

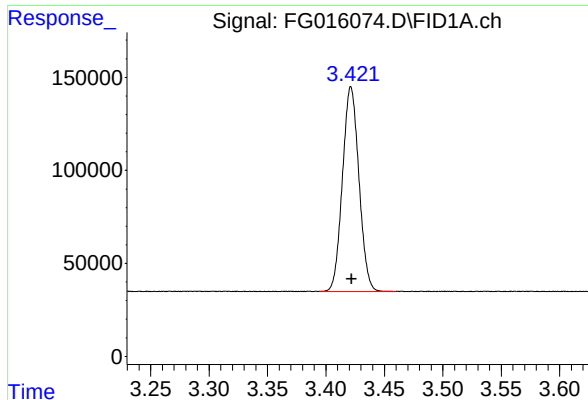
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016074.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 15:33
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jun 16 06:41:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:39:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

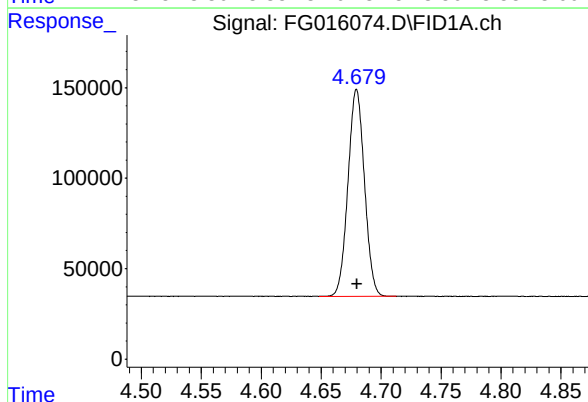




#1 n-Nonane (C9)

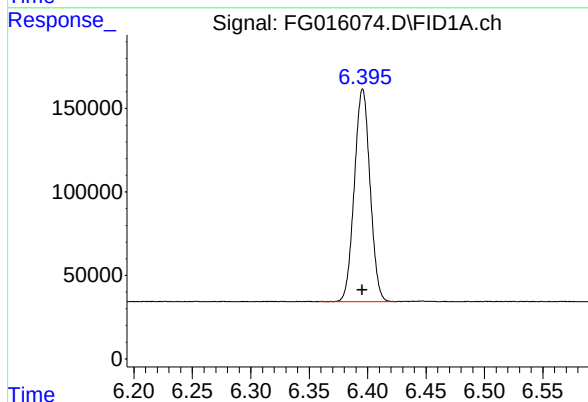
R.T.: 3.421 min
Delta R.T.: 0.000 min
Response: 1080527
Conc: 10.24 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



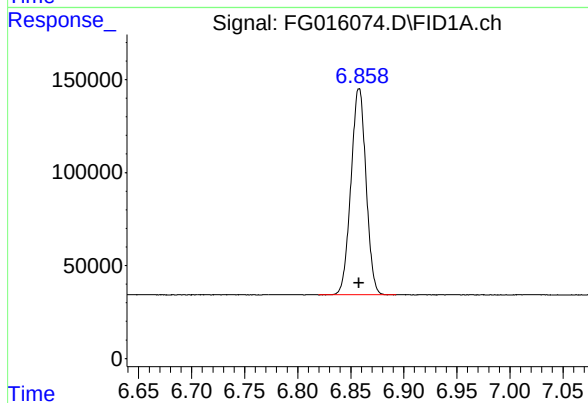
#2 n-Decane (C10)

R.T.: 4.680 min
Delta R.T.: 0.000 min
Response: 1095102
Conc: 10.23 ug/ml



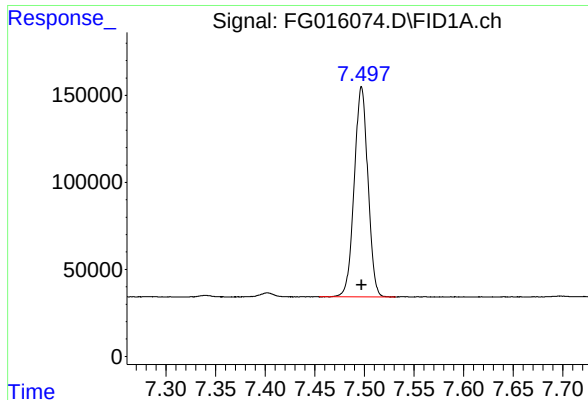
#3 A~Naphthalene (C11.7)

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 1191754
Conc: 10.21 ug/ml



#4 n-Dodecane (C12)

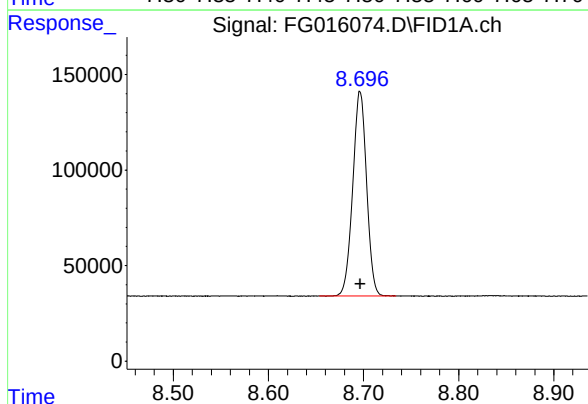
R.T.: 6.858 min
Delta R.T.: 0.000 min
Response: 1097786
Conc: 10.23 ug/ml



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

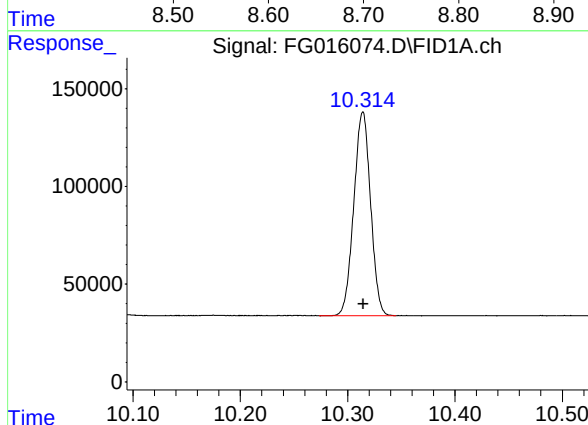
R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 1159323
Conc: 10.21 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



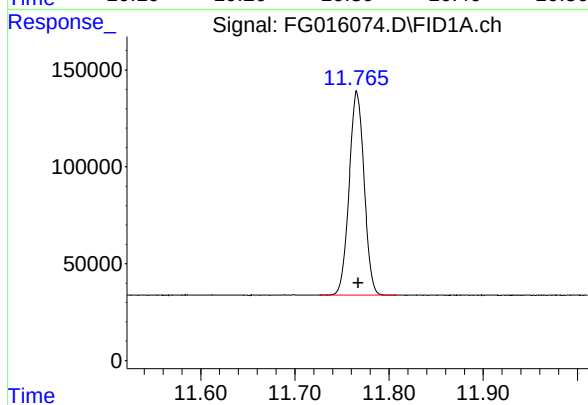
#6 n-Tetradecane (C14)

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 1095723
Conc: 10.26 ug/ml



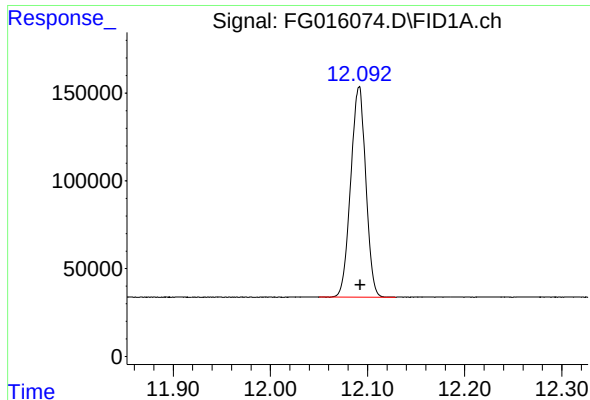
#7 n-Hexadecane (C16)

R.T.: 10.314 min
Delta R.T.: 0.000 min
Response: 1133303
Conc: 10.23 ug/ml



#8 n-Octadecane (C18)

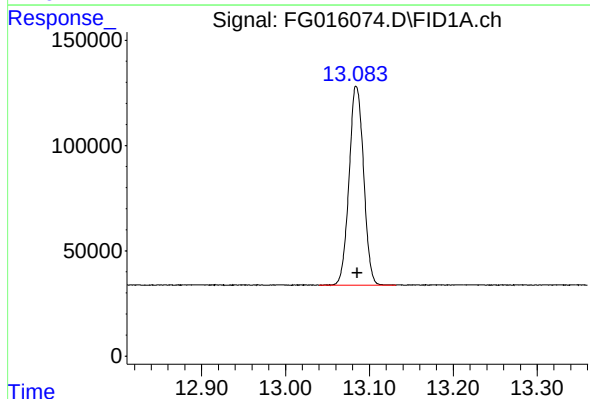
R.T.: 11.766 min
Delta R.T.: -0.002 min
Response: 1158461
Conc: 10.24 ug/ml



#9 ortho-Terphenyl (SURR)

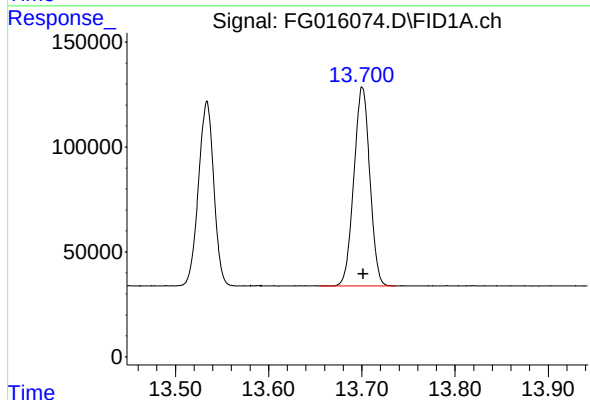
R.T.: 12.091 min
Delta R.T.: -0.001 min
Response: 1286511
Conc: 10.24 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



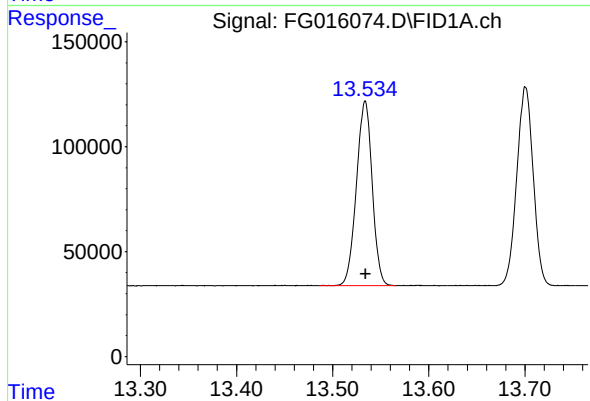
#10 n-Eicosane (C20)

R.T.: 13.084 min
Delta R.T.: -0.001 min
Response: 1134527
Conc: 10.25 ug/ml



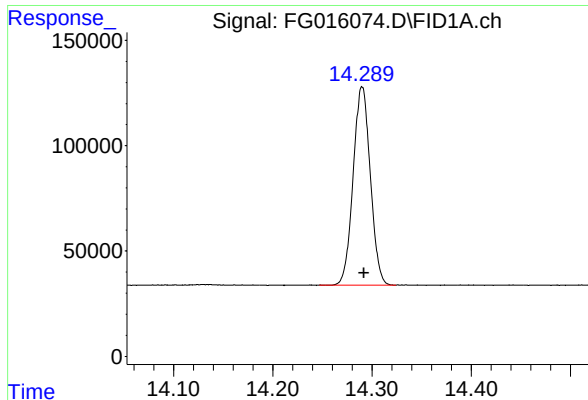
#11 n-Heneicosane (C21)

R.T.: 13.701 min
Delta R.T.: 0.000 min
Response: 1127454
Conc: 10.24 ug/ml



#12 1-chlorooctadecane (SURR)

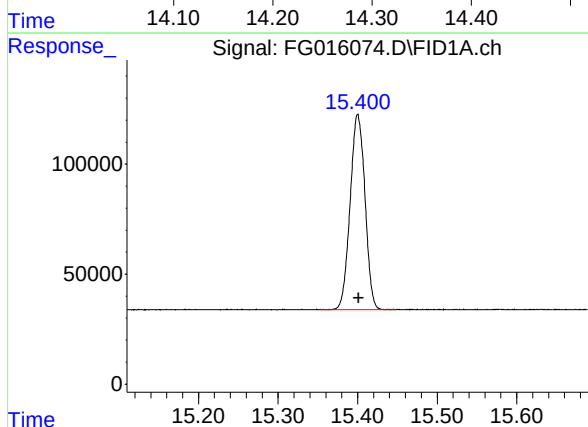
R.T.: 13.534 min
Delta R.T.: 0.000 min
Response: 1004341
Conc: 10.24 ug/ml



#13 n-Docosane (C22)

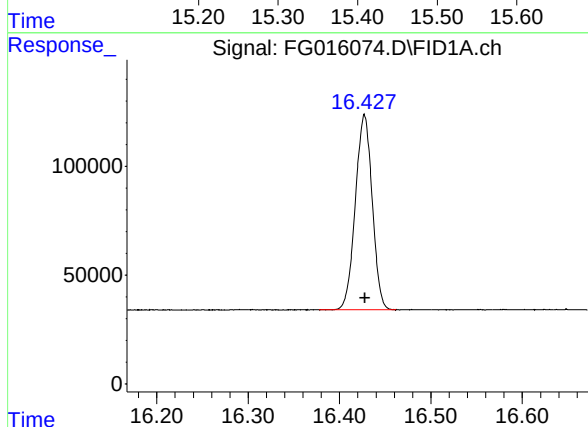
R.T.: 14.290 min
Delta R.T.: -0.002 min
Response: 1133031
Conc: 10.24 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



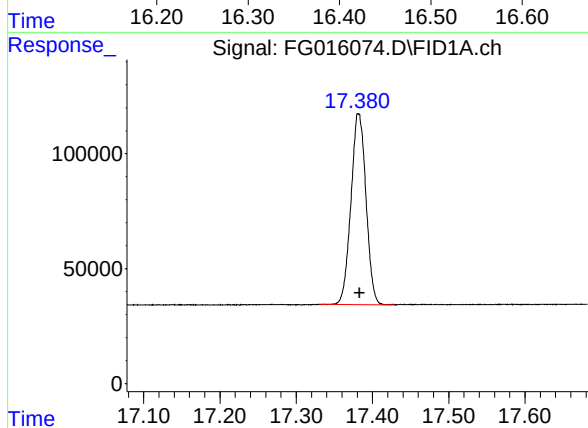
#14 n-Tetracosane (C24)

R.T.: 15.400 min
Delta R.T.: -0.001 min
Response: 1150621
Conc: 10.24 ug/ml



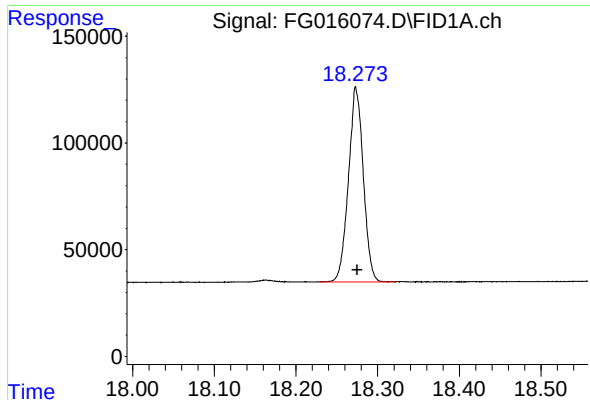
#15 n-Hexacosane (C26)

R.T.: 16.427 min
Delta R.T.: 0.000 min
Response: 1150749
Conc: 10.24 ug/ml



#16 n-Octacosane (C28)

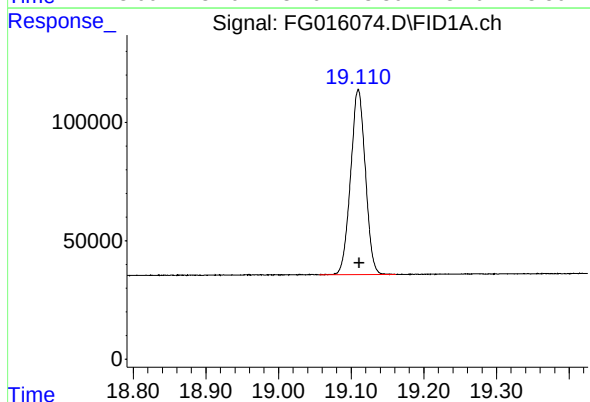
R.T.: 17.382 min
Delta R.T.: -0.002 min
Response: 1138837
Conc: 10.27 ug/ml



#17 n-Tricontane (C30)

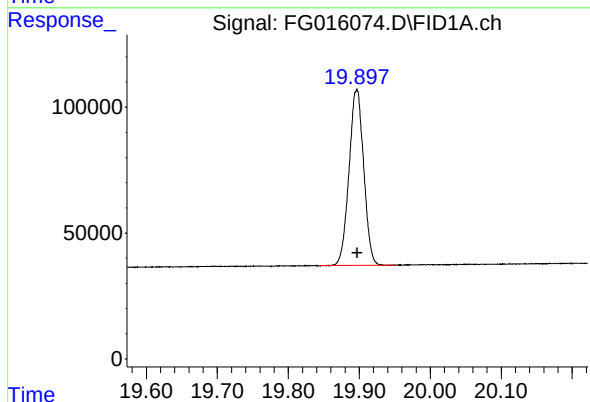
R.T.: 18.273 min
Delta R.T.: -0.002 min
Response: 1151501
Conc: 10.26 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



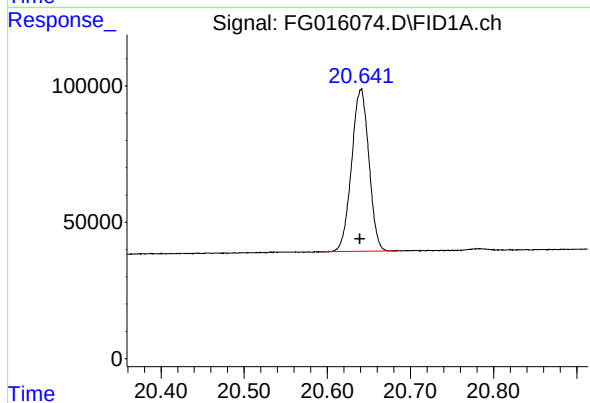
#18 n-Dotriacontane (C32)

R.T.: 19.110 min
Delta R.T.: -0.001 min
Response: 1100779
Conc: 10.27 ug/ml



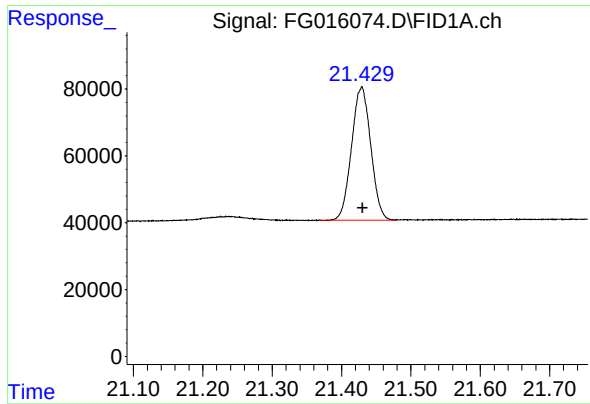
#19 n-Tetatriacontane (C34)

R.T.: 19.897 min
Delta R.T.: -0.001 min
Response: 1003430
Conc: 10.30 ug/ml



#20 n-Hexatriacontane (C36)

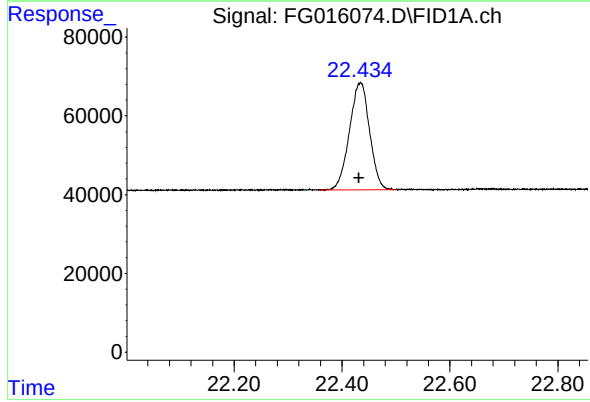
R.T.: 20.641 min
Delta R.T.: 0.000 min
Response: 862082
Conc: 10.29 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.429 min
Delta R.T.: 0.000 min
Response: 766676
Conc: 10.30 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.435 min
Delta R.T.: 0.003 min
Response: 703828
Conc: 10.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016074.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 15:33
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.421	3.394	3.460	BB	110148	1080527	83.99%	4.554%
2	4.680	4.648	4.713	BB	114547	1095102	85.12%	4.616%
3	6.396	6.358	6.424	BB	127447	1191754	92.63%	5.023%
4	6.858	6.820	6.893	BB	110851	1097786	85.33%	4.627%
5	7.497	7.454	7.532	BB	120590	1159323	90.11%	4.886%
6	8.696	8.653	8.734	BB	106899	1095723	85.17%	4.618%
7	10.314	10.273	10.345	BB	104318	1133303	88.09%	4.777%
8	11.766	11.726	11.808	BB	105022	1158461	90.05%	4.883%
9	12.091	12.050	12.129	BB	119787	1286511	100.00%	5.422%
10	13.084	13.040	13.132	BB	94323	1134527	88.19%	4.782%
11	13.534	13.486	13.566	BB	88092	1004341	78.07%	4.233%
12	13.701	13.654	13.737	BB	94496	1127454	87.64%	4.752%
13	14.290	14.247	14.324	BB	94175	1133031	88.07%	4.775%
14	15.400	15.352	15.448	BB	88694	1150621	89.44%	4.850%
15	16.427	16.378	16.462	BB	89763	1150749	89.45%	4.850%
16	17.382	17.330	17.431	BB	82997	1138837	88.52%	4.800%
17	18.273	18.228	18.323	BB	91227	1151501	89.51%	4.853%
18	19.110	19.056	19.162	BB	78328	1100779	85.56%	4.639%
19	19.897	19.843	19.952	BB	70173	1003430	78.00%	4.229%
20	20.641	20.590	20.683	BB	59420	862082	67.01%	3.633%
21	21.429	21.368	21.478	BB	39978	766676	59.59%	3.231%
22	22.435	22.358	22.500	BB	27167	703828	54.71%	2.966%
Sum of corrected areas:							23726347	

Aliphatic EPH 061325.M Mon Jun 16 07:05:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016075.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 16:02
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Jun 16 06:42:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:39:56 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)	12.089	705923	5.619 ug/ml
Spiked Amount 50.000		Recovery =	11.24%
12) S 1-chlorooctadecane (S...	13.532	550881	5.616 ug/ml
Spiked Amount 50.000		Recovery =	11.23%
Target Compounds			
1) T n-Nonane (C9)	3.422	595428	5.642 ug/ml
2) T n-Decane (C10)	4.680	602565	5.629 ug/ml
3) T A~Naphthalene (C11.7)	6.396	656045	5.621 ug/ml
4) T n-Dodecane (C12)	6.857	603165	5.618 ug/ml
5) T A~2-methylnaphthalene...	7.497	638058	5.621 ug/ml
6) T n-Tetradecane (C14)	8.696	604003	5.654 ug/ml
7) T n-Hexadecane (C16)	10.313	622758	5.619 ug/ml
8) T n-Octadecane (C18)	11.766	638246	5.641 ug/ml
10) T n-Eicosane (C20)	13.084	621489	5.614 ug/ml
11) T n-Heneicosane (C21)	13.701	620307	5.634 ug/ml
13) T n-Docosane (C22)	14.290	622270	5.627 ug/ml
14) T n-Tetracosane (C24)	15.400	632301	5.627 ug/ml
15) T n-Hexacosane (C26)	16.427	632980	5.633 ug/ml
16) T n-Octacosane (C28)	17.382	626234	5.649 ug/ml
17) T n-Tricontane (C30)	18.273	640242	5.707 ug/ml
18) T n-Dotriacontane (C32)	19.110	615463	5.743 ug/ml
19) T n-Tetratriacontane (C34)	19.897	558031	5.728 ug/ml
20) T n-Hexatriacontane (C36)	20.640	476929	5.693 ug/ml
21) T n-Octatriacontane (C38)	21.428	423048	5.682 ug/ml
22) T n-Tetracontane (C40)	22.431	380088	5.561 ug/ml

(f)=RT Delta > 1/2 Window

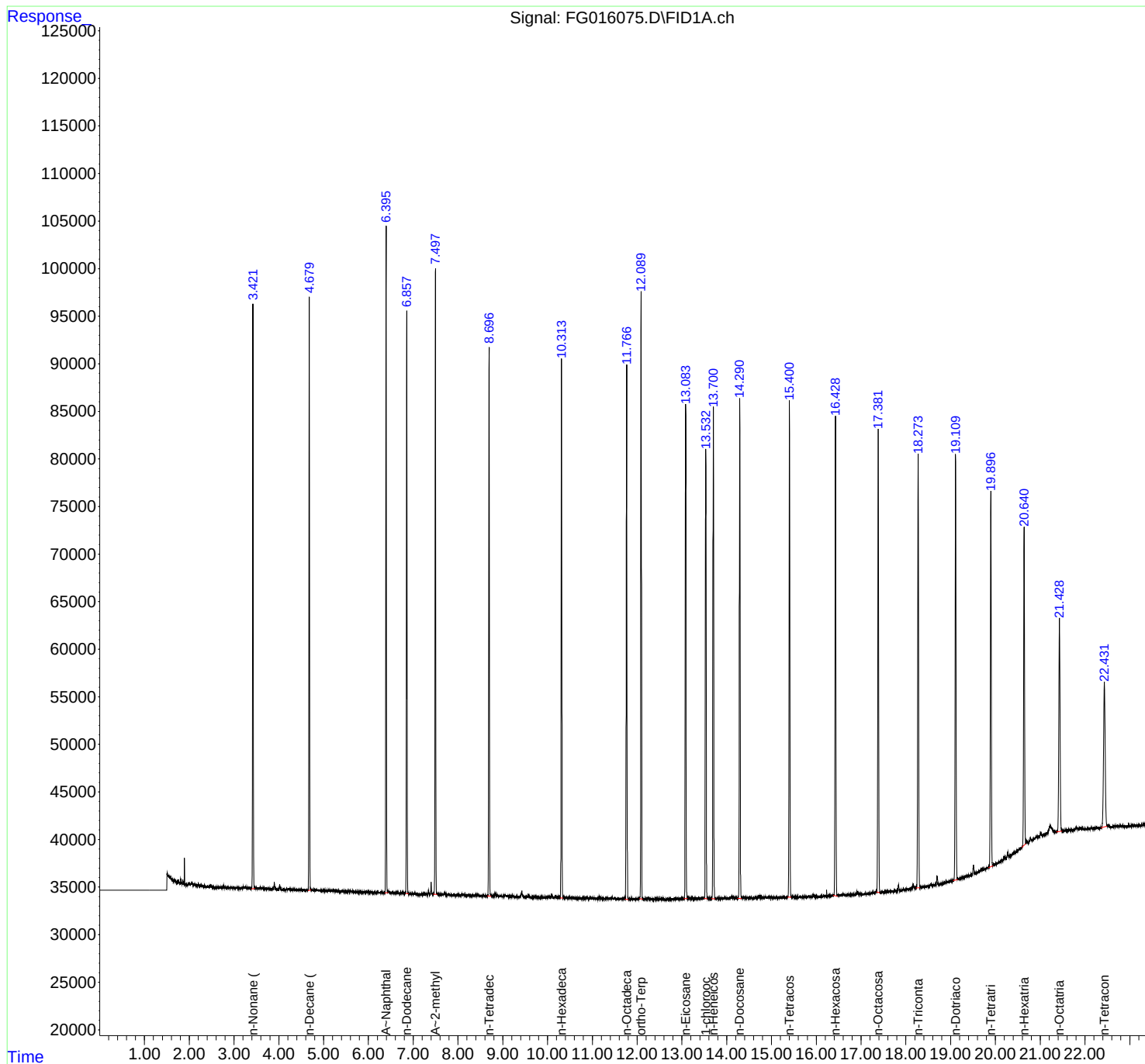
(m)=manual int.

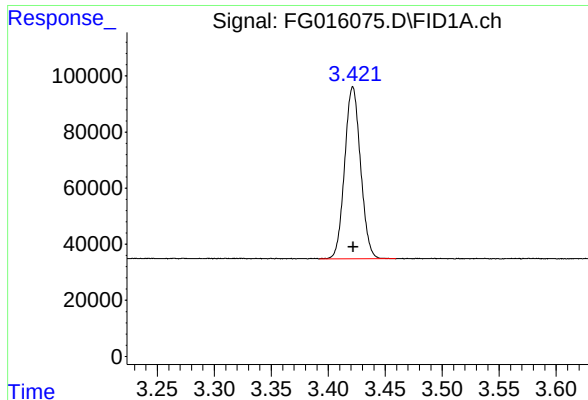
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016075.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 16:02
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Jun 16 06:42:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:39:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

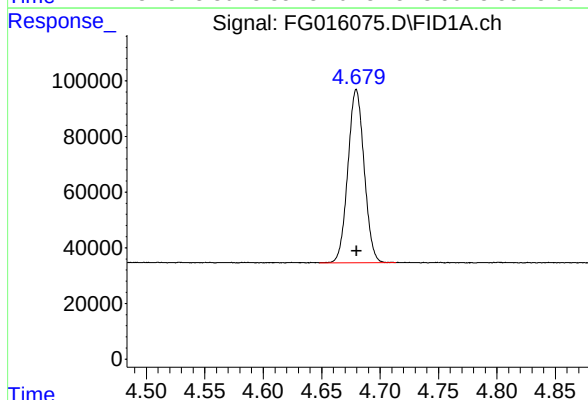




#1 n-Nonane (C9)

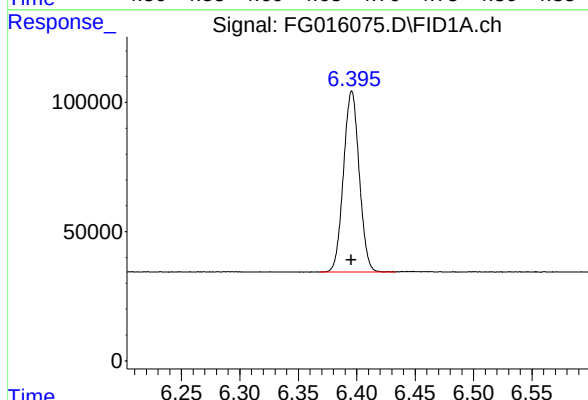
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 595428
Conc: 5.64 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



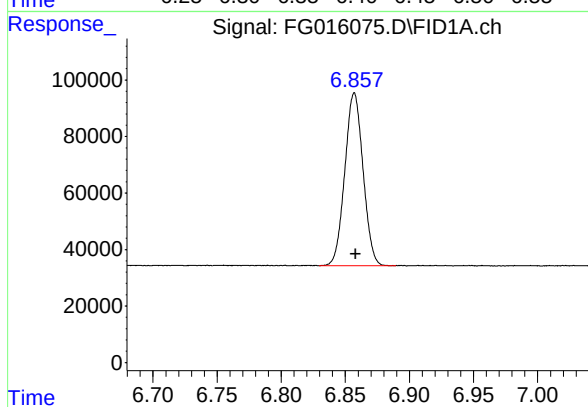
#2 n-Decane (C10)

R.T.: 4.680 min
Delta R.T.: 0.000 min
Response: 602565
Conc: 5.63 ug/ml



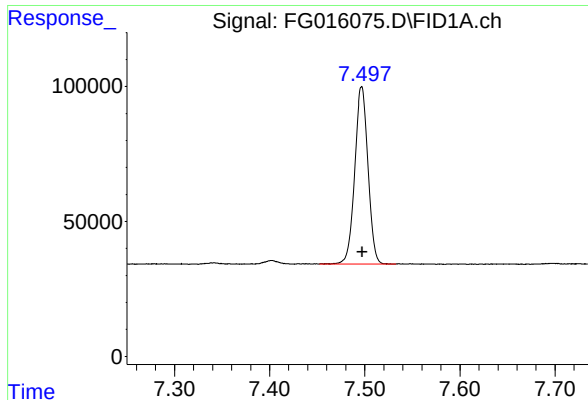
#3 A~Naphthalene (C11.7)

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 656045
Conc: 5.62 ug/ml



#4 n-Dodecane (C12)

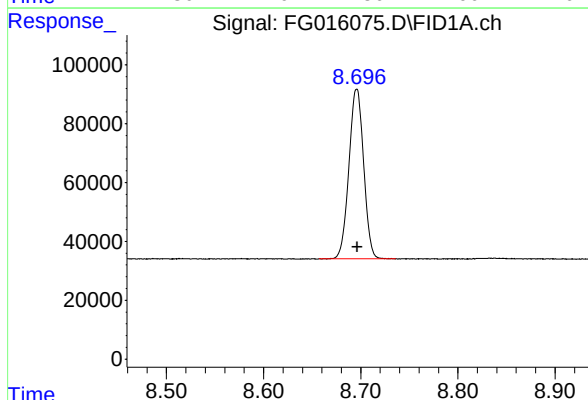
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 603165
Conc: 5.62 ug/ml



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

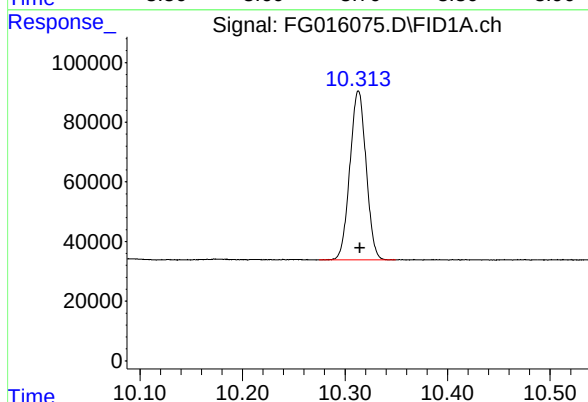
R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 638058
Conc: 5.62 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



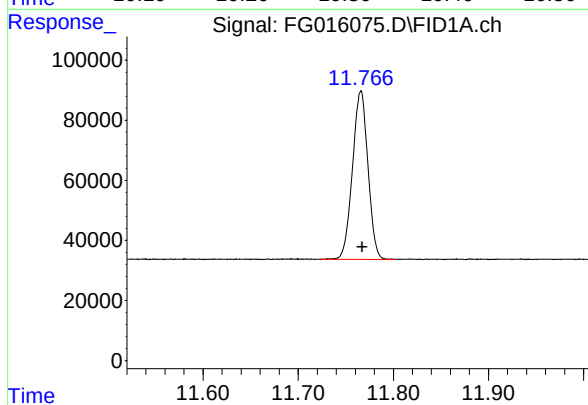
#6 n-Tetradecane (C14)

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 604003
Conc: 5.65 ug/ml



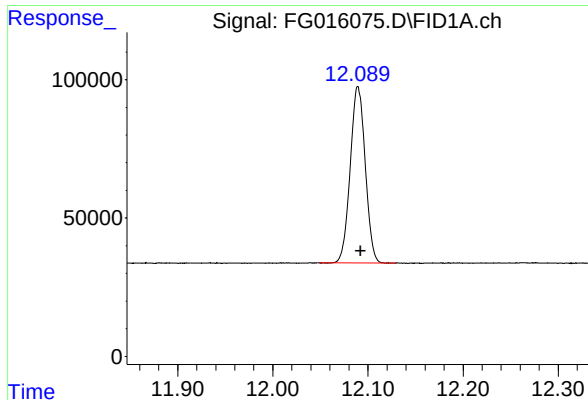
#7 n-Hexadecane (C16)

R.T.: 10.313 min
Delta R.T.: -0.001 min
Response: 622758
Conc: 5.62 ug/ml



#8 n-Octadecane (C18)

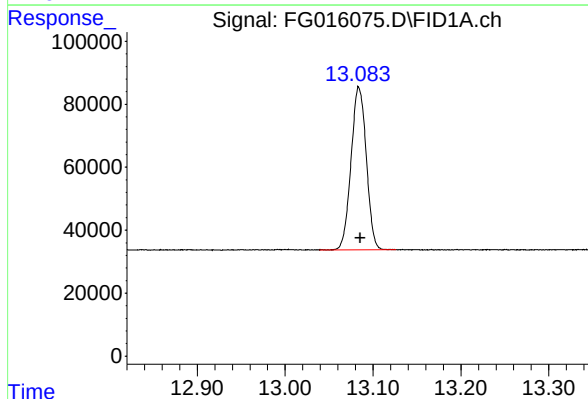
R.T.: 11.766 min
Delta R.T.: -0.001 min
Response: 638246
Conc: 5.64 ug/ml



#9 ortho-Terphenyl (SURR)

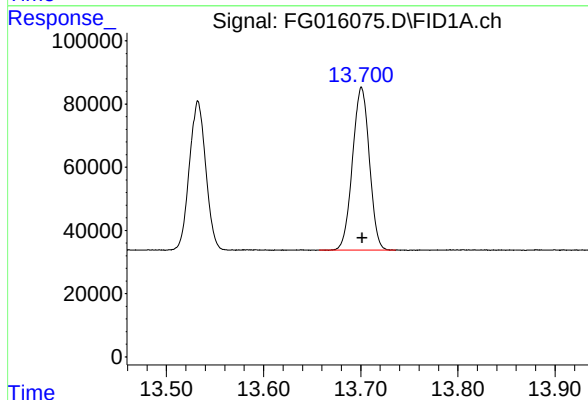
R.T.: 12.089 min
Delta R.T.: -0.003 min
Response: 705923
Conc: 5.62 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



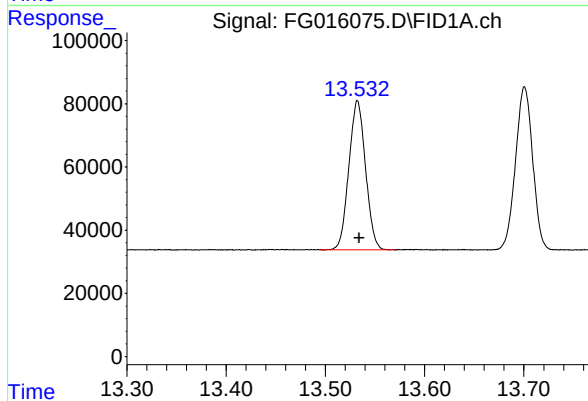
#10 n-Eicosane (C20)

R.T.: 13.084 min
Delta R.T.: -0.002 min
Response: 621489
Conc: 5.61 ug/ml



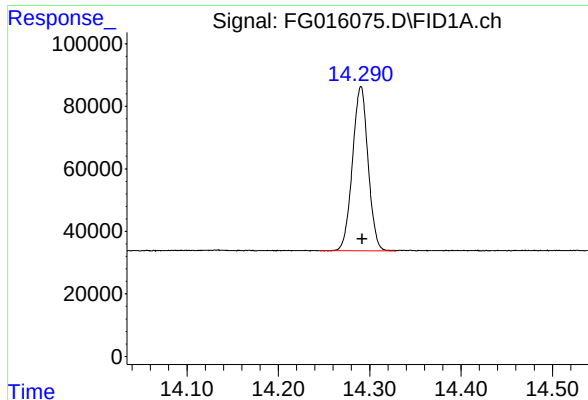
#11 n-Heneicosane (C21)

R.T.: 13.701 min
Delta R.T.: 0.000 min
Response: 620307
Conc: 5.63 ug/ml



#12 1-chlorooctadecane (SURR)

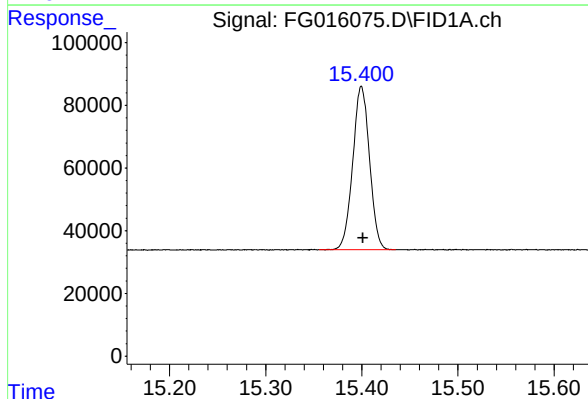
R.T.: 13.532 min
Delta R.T.: -0.002 min
Response: 550881
Conc: 5.62 ug/ml



#13 n-Docosane (C22)

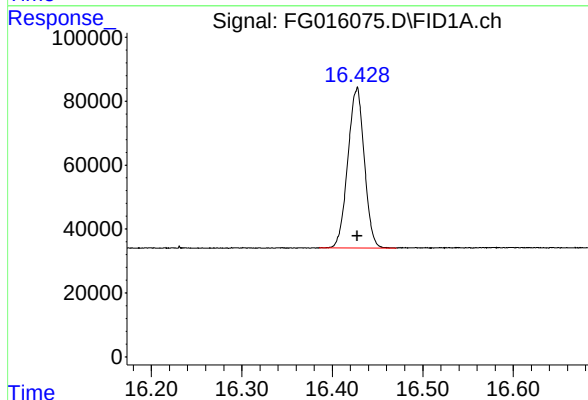
R.T.: 14.290 min
Delta R.T.: -0.001 min
Response: 622270
Conc: 5.63 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



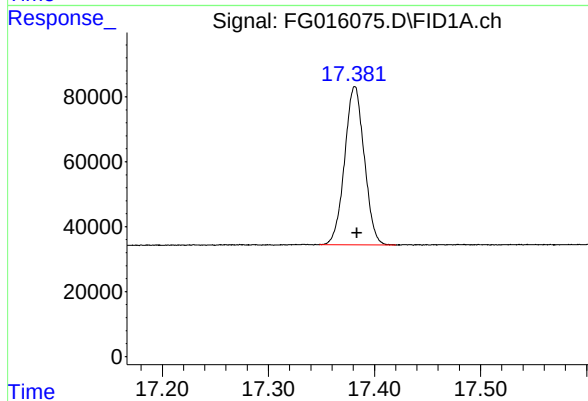
#14 n-Tetracosane (C24)

R.T.: 15.400 min
Delta R.T.: -0.002 min
Response: 632301
Conc: 5.63 ug/ml



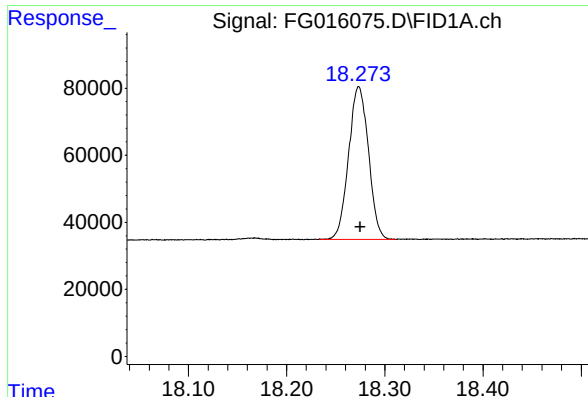
#15 n-Hexacosane (C26)

R.T.: 16.427 min
Delta R.T.: 0.000 min
Response: 632980
Conc: 5.63 ug/ml



#16 n-Octacosane (C28)

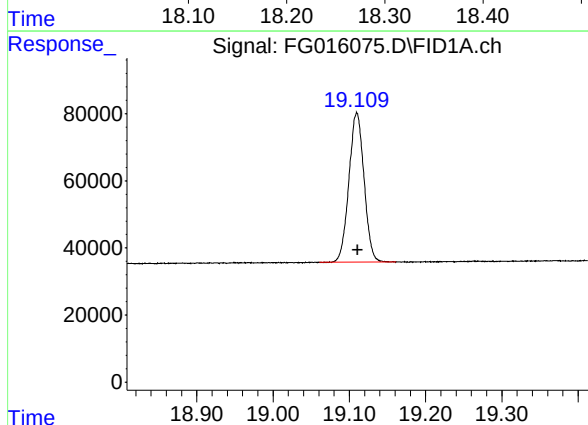
R.T.: 17.382 min
Delta R.T.: -0.002 min
Response: 626234
Conc: 5.65 ug/ml



#17 n-Tricontane (C30)

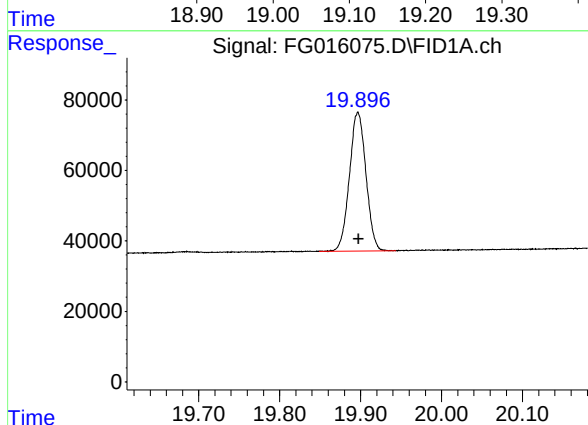
R.T.: 18.273 min
Delta R.T.: -0.002 min
Response: 640242
Conc: 5.71 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



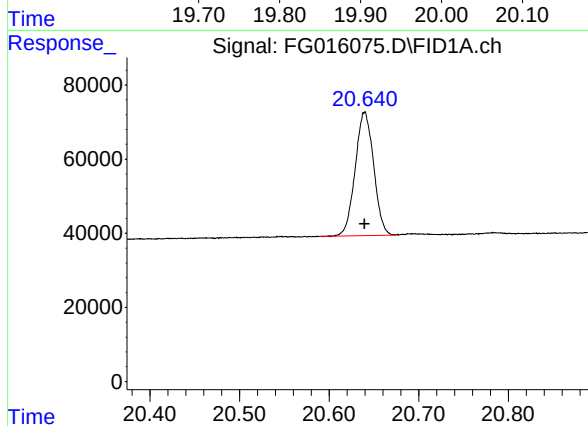
#18 n-Dotriacontane (C32)

R.T.: 19.110 min
Delta R.T.: -0.001 min
Response: 615463
Conc: 5.74 ug/ml



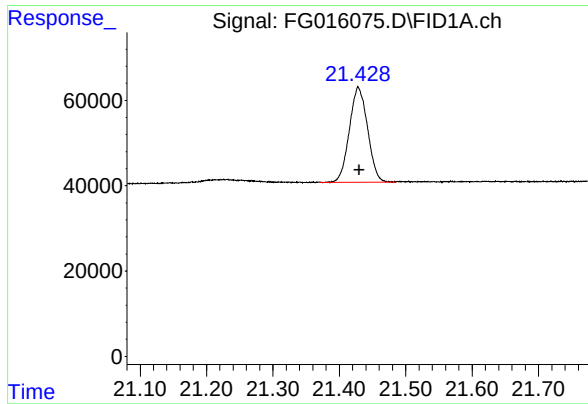
#19 n-Tetratriacontane (C34)

R.T.: 19.897 min
Delta R.T.: 0.000 min
Response: 558031
Conc: 5.73 ug/ml



#20 n-Hexatriacontane (C36)

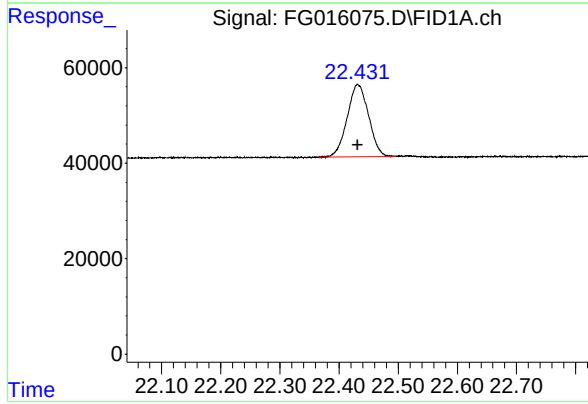
R.T.: 20.640 min
Delta R.T.: 0.000 min
Response: 476929
Conc: 5.69 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.428 min
Delta R.T.: -0.002 min
Response: 423048
Conc: 5.68 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.431 min
Delta R.T.: 0.000 min
Response: 380088
Conc: 5.56 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016075.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 16:02
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.422	3.392	3.460	BB	61497	595428	84.35%	4.557%
2	4.680	4.648	4.714	BB	62269	602565	85.36%	4.612%
3	6.396	6.368	6.434	BB	70068	656045	92.93%	5.021%
4	6.857	6.830	6.890	BB	61239	603165	85.44%	4.616%
5	7.497	7.452	7.533	BB	65733	638058	90.39%	4.883%
6	8.696	8.657	8.736	BB	57684	604003	85.56%	4.623%
7	10.313	10.275	10.350	BB	56682	622758	88.22%	4.766%
8	11.766	11.722	11.803	BB	56123	638246	90.41%	4.885%
9	12.089	12.049	12.130	BB	63796	705923	100.00%	5.403%
10	13.084	13.039	13.126	BB	51725	621489	88.04%	4.756%
11	13.532	13.494	13.571	BB	47277	550881	78.04%	4.216%
12	13.701	13.657	13.736	BB	51653	620307	87.87%	4.747%
13	14.290	14.245	14.329	BB	52525	622270	88.15%	4.762%
14	15.400	15.355	15.435	BB	52156	632301	89.57%	4.839%
15	16.427	16.385	16.470	BB	49652	632980	89.67%	4.844%
16	17.382	17.348	17.420	BB	48741	626234	88.71%	4.793%
17	18.274	18.233	18.311	BB	45558	640242	90.70%	4.900%
18	19.110	19.060	19.161	BB	44682	615463	87.19%	4.710%
19	19.897	19.849	19.944	BB	39516	558031	79.05%	4.271%
20	20.640	20.589	20.675	BB	33201	476929	67.56%	3.650%
21	21.428	21.370	21.485	BB	22295	423048	59.93%	3.238%
22	22.431	22.366	22.496	BB	15228	380088	53.84%	2.909%
Sum of corrected areas:							13066454	

Aliphatic EPH 061325.M Mon Jun 16 07:05:59 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016076.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 16:31
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Jun 16 06:53:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:39:56 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)	12.092	2567824	19.902 ug/ml
Spiked Amount 50.000		Recovery =	39.80%
12) S 1-chlorooctadecane (S...	13.535	2004431	19.892 ug/ml
Spiked Amount 50.000		Recovery =	39.78%
Target Compounds			
1) T n-Nonane (C9)	3.421	2150053	19.872 ug/ml
2) T n-Decane (C10)	4.679	2180482	19.878 ug/ml
3) T A~Naphthalene (C11.7)	6.396	2378221	19.905 ug/ml
4) T n-Dodecane (C12)	6.858	2189329	19.883 ug/ml
5) T A~2-methylnaphthalene...	7.497	2315022	19.904 ug/ml
6) T n-Tetradecane (C14)	8.697	2181040	19.860 ug/ml
7) T n-Hexadecane (C16)	10.315	2260732	19.861 ug/ml
8) T n-Octadecane (C18)	11.768	2313229	19.871 ug/ml
10) T n-Eicosane (C20)	13.086	2264403	19.896 ug/ml
11) T n-Heneicosane (C21)	13.702	2251669	19.889 ug/ml
13) T n-Docosane (C22)	14.293	2260832	19.887 ug/ml
14) T n-Tetracosane (C24)	15.402	2298513	19.933 ug/ml
15) T n-Hexacosane (C26)	16.429	2295139	19.944 ug/ml
16) T n-Octacosane (C28)	17.383	2262244	19.933 ug/ml
17) T n-Tricontane (C30)	18.275	2280889	19.922 ug/ml
18) T n-Dotriacontane (C32)	19.112	2171208	19.914 ug/ml
19) T n-Tetratriacontane (C34)	19.899	1971723	19.930 ug/ml
20) T n-Hexatriacontane (C36)	20.641	1693739	19.955 ug/ml
21) T n-Octatriacontane (C38)	21.431	1505383	19.941 ug/ml
22) T n-Tetracontane (C40)	22.436	1382050	19.987 ug/ml

(f)=RT Delta > 1/2 Window

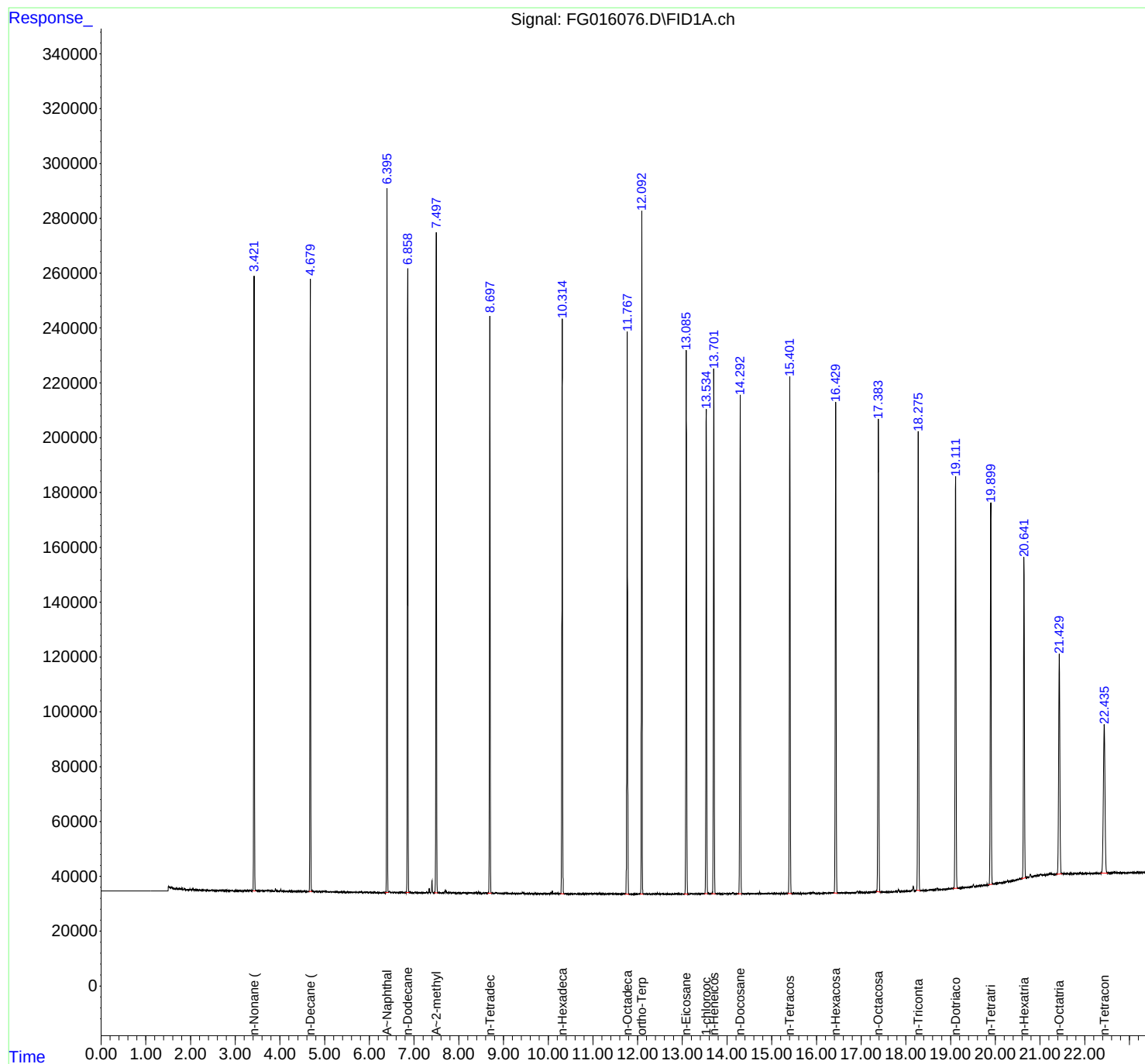
(m)=manual int.

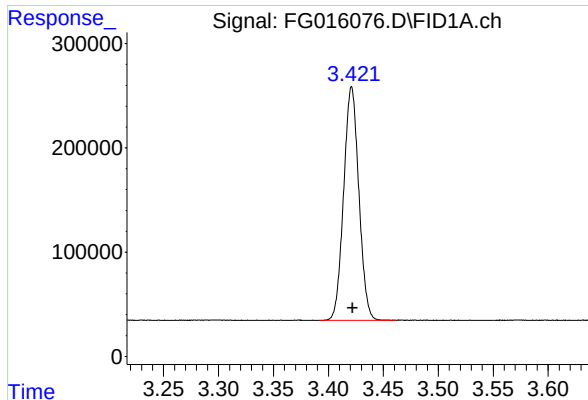
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016076.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 16:31
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jun 16 06:53:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:39:56 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)

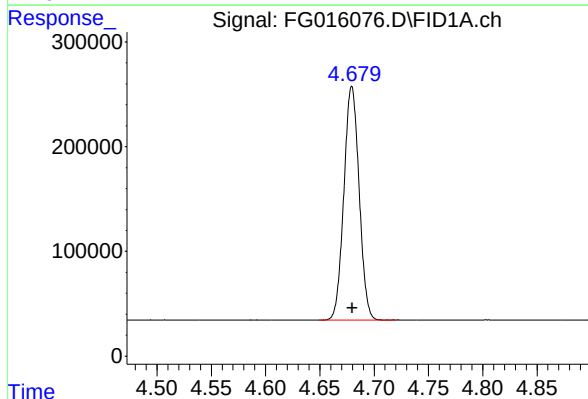
R.T.: 3.421 min
Delta R.T.: 0.000 min
Response: 2150053
Conc: 19.87 ug/ml

Instrument :

FID_G

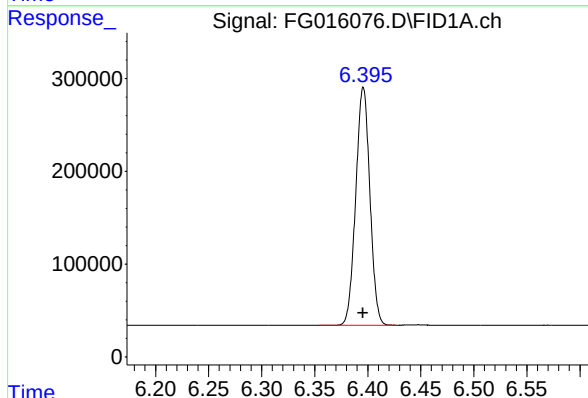
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



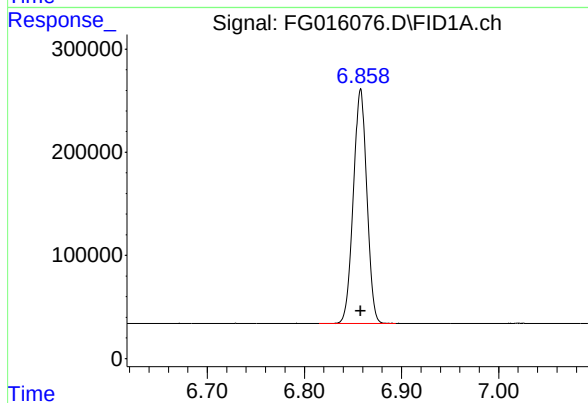
#2 n-Decane (C10)

R.T.: 4.679 min
Delta R.T.: 0.000 min
Response: 2180482
Conc: 19.88 ug/ml



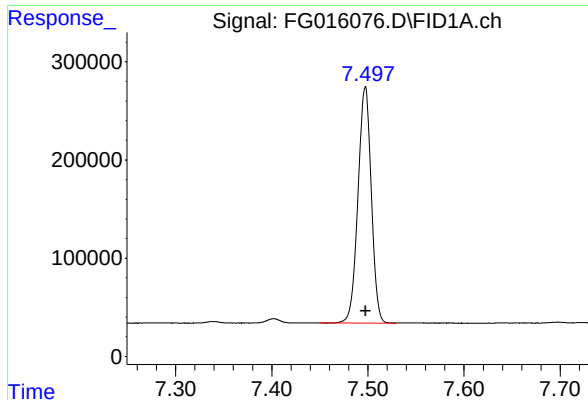
#3 A~Naphthalene (C11.7)

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 2378221
Conc: 19.90 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.858 min
Delta R.T.: 0.000 min
Response: 2189329
Conc: 19.88 ug/ml



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

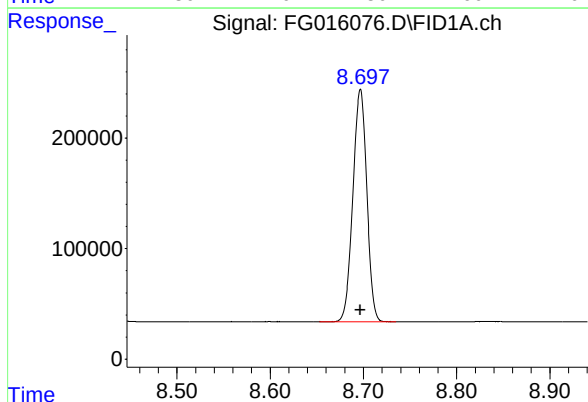
R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 2315022
Conc: 19.90 ug/ml

Instrument :

FID_G

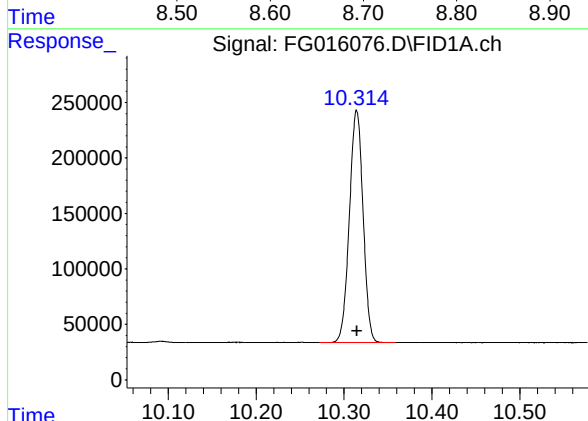
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



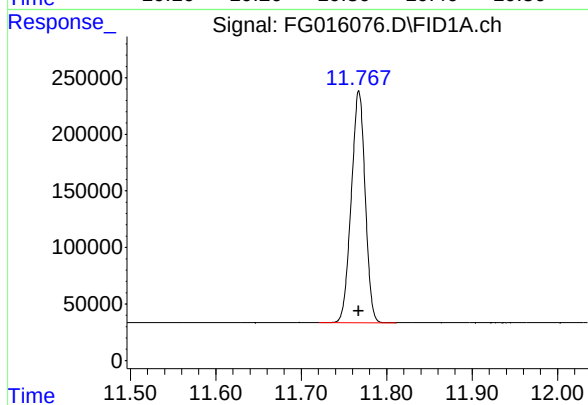
#6 n-Tetradecane (C14)

R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 2181040
Conc: 19.86 ug/ml



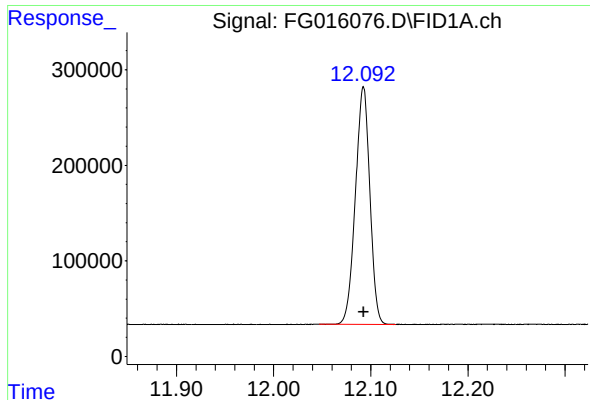
#7 n-Hexadecane (C16)

R.T.: 10.315 min
Delta R.T.: 0.000 min
Response: 2260732
Conc: 19.86 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.768 min
Delta R.T.: 0.000 min
Response: 2313229
Conc: 19.87 ug/ml



#9 ortho-Terphenyl (SURR)

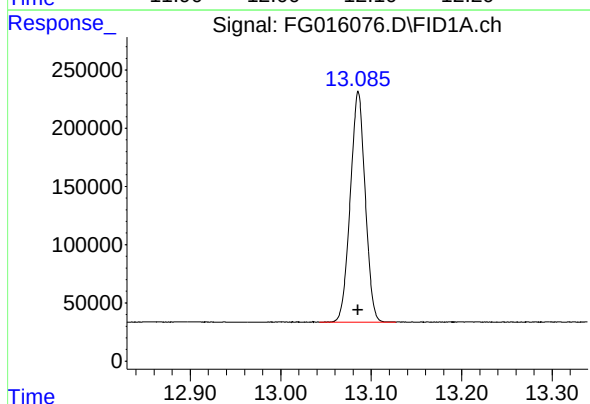
R.T.: 12.092 min
Delta R.T.: 0.000 min
Response: 2567824
Conc: 19.90 ug/ml

Instrument :

FID_G

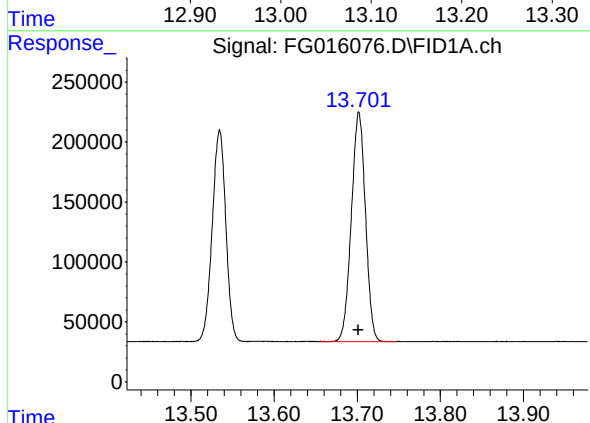
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



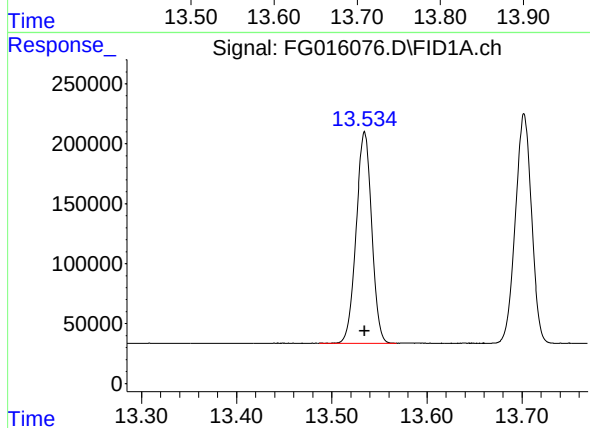
#10 n-Eicosane (C20)

R.T.: 13.086 min
Delta R.T.: 0.000 min
Response: 2264403
Conc: 19.90 ug/ml



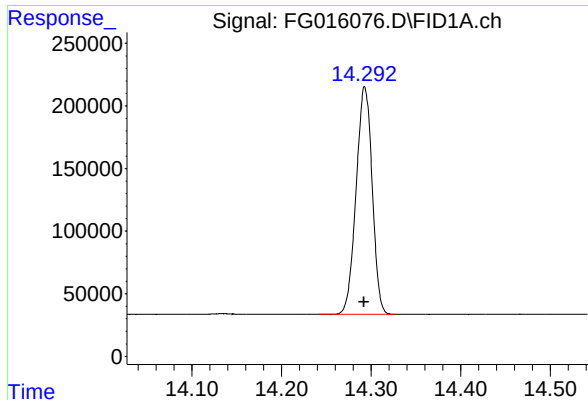
#11 n-Heneicosane (C21)

R.T.: 13.702 min
Delta R.T.: 0.000 min
Response: 2251669
Conc: 19.89 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.535 min
Delta R.T.: 0.000 min
Response: 2004431
Conc: 19.89 ug/ml



#13 n-Docosane (C22)

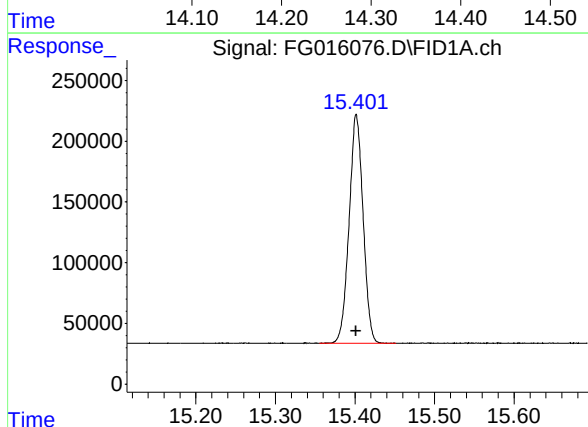
R.T.: 14.293 min
Delta R.T.: 0.000 min
Response: 2260832
Conc: 19.89 ug/ml

Instrument :

FID_G

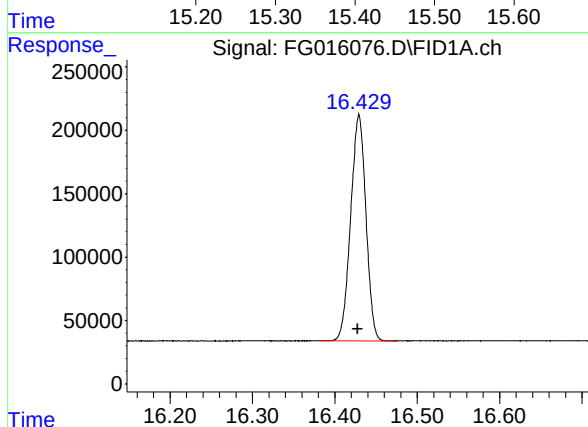
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



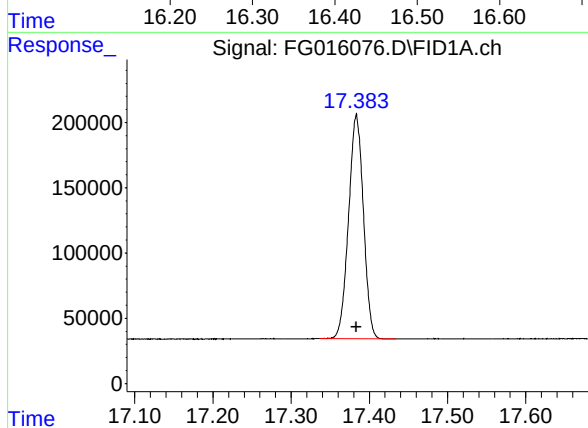
#14 n-Tetracosane (C24)

R.T.: 15.402 min
Delta R.T.: 0.000 min
Response: 2298513
Conc: 19.93 ug/ml



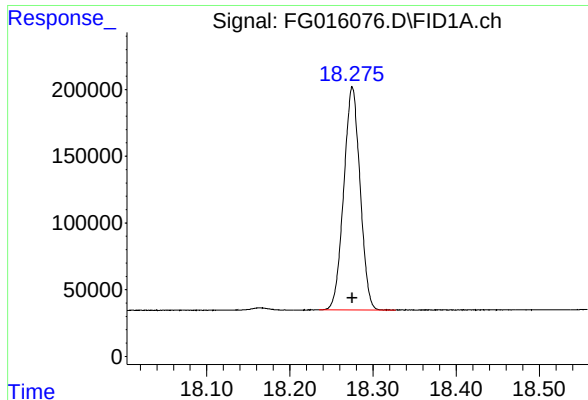
#15 n-Hexacosane (C26)

R.T.: 16.429 min
Delta R.T.: 0.001 min
Response: 2295139
Conc: 19.94 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.383 min
Delta R.T.: 0.000 min
Response: 2262244
Conc: 19.93 ug/ml



#17 n-Tricontane (C30)

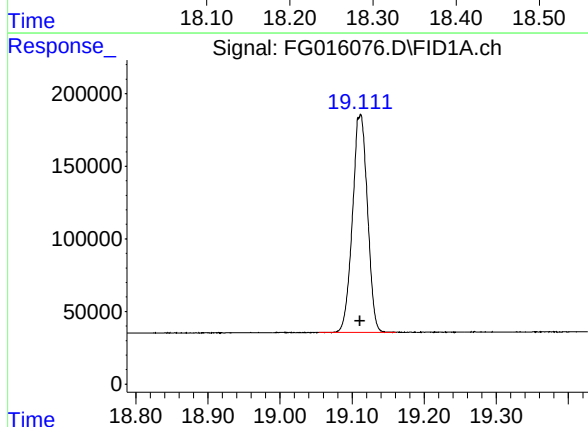
R.T.: 18.275 min
Delta R.T.: 0.000 min
Response: 2280889
Conc: 19.92 ug/ml

Instrument :

FID_G

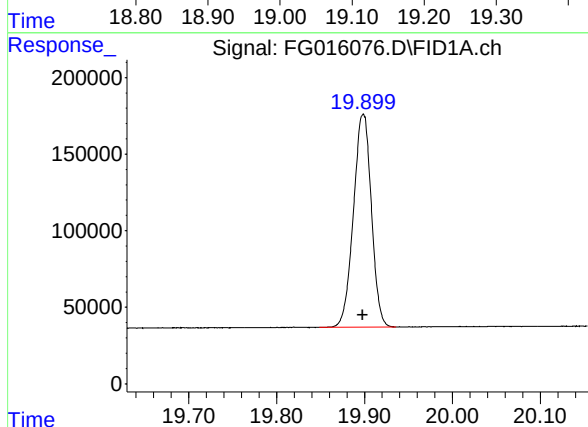
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



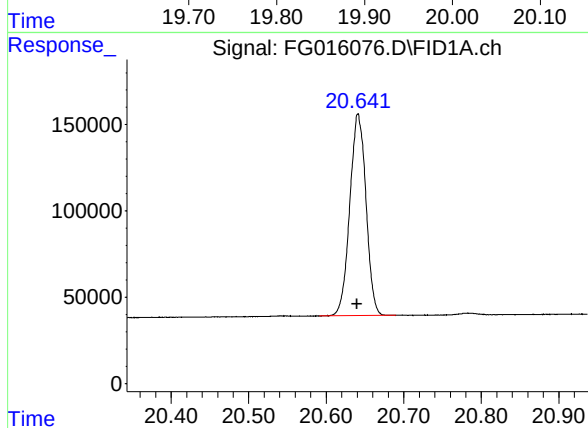
#18 n-Dotriacontane (C32)

R.T.: 19.112 min
Delta R.T.: 0.000 min
Response: 2171208
Conc: 19.91 ug/ml



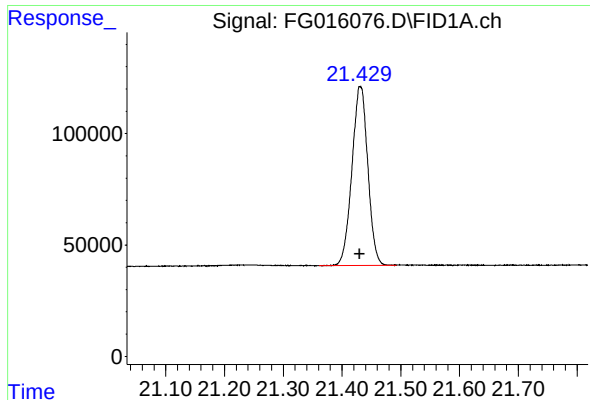
#19 n-Tetratriacontane (C34)

R.T.: 19.899 min
Delta R.T.: 0.000 min
Response: 1971723
Conc: 19.93 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.641 min
Delta R.T.: 0.001 min
Response: 1693739
Conc: 19.95 ug/ml



#21 n-Octatriacontane (C38)

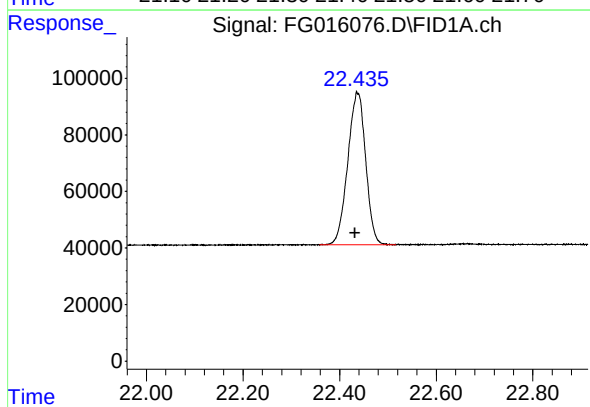
R.T.: 21.431 min
Delta R.T.: 0.000 min
Response: 1505383
Conc: 19.94 ug/ml

Instrument :

FID_G

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.436 min
Delta R.T.: 0.004 min
Response: 1382050
Conc: 19.99 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016076.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 16:31
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.421	3.392	3.462	BB	224170	2150053	83.73%	4.557%
2	4.679	4.649	4.720	BB	223134	2180482	84.92%	4.622%
3	6.396	6.354	6.427	BB	256642	2378221	92.62%	5.041%
4	6.858	6.815	6.894	BB	227162	2189329	85.26%	4.641%
5	7.497	7.449	7.529	BB	240781	2315022	90.15%	4.907%
6	8.697	8.652	8.735	BB	210461	2181040	84.94%	4.623%
7	10.315	10.272	10.359	BB	209250	2260732	88.04%	4.792%
8	11.768	11.721	11.811	BB	204807	2313229	90.09%	4.903%
9	12.092	12.047	12.126	BB	248620	2567824	100.00%	5.443%
10	13.086	13.043	13.128	BB	197777	2264403	88.18%	4.800%
11	13.535	13.487	13.568	BB	176385	2004431	78.06%	4.249%
12	13.702	13.654	13.747	BB	191654	2251669	87.69%	4.773%
13	14.293	14.242	14.328	BB	181842	2260832	88.04%	4.792%
14	15.402	15.355	15.452	BB	188413	2298513	89.51%	4.872%
15	16.429	16.381	16.474	BB	178837	2295139	89.38%	4.865%
16	17.383	17.336	17.434	BB	171759	2262244	88.10%	4.795%
17	18.275	18.235	18.328	BB	167252	2280889	88.83%	4.835%
18	19.112	19.054	19.161	BB	150243	2171208	84.55%	4.602%
19	19.899	19.848	19.936	BB	138997	1971723	76.79%	4.179%
20	20.641	20.591	20.690	BB	116814	1693739	65.96%	3.590%
21	21.431	21.361	21.492	BB	80078	1505383	58.62%	3.191%
22	22.436	22.358	22.517	BB	53575	1382050	53.82%	2.929%
Sum of corrected areas:							47178153	

Aliphatic EPH 061325.M Mon Jun 16 07:06:16 2025

Continuing Calibration Report for SequenceID : FC063025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC069326.D

Aliphatic C9-C12	9162395.000	60.000	3.308	6.605	152706.583	146679.627	-4.109
Aliphatic C12-C16	6226328.000	40.000	6.606	10.009	155658.200	159210.532	2.231
Aliphatic C16-C21	8817332.000	60.000	10.010	13.379	146955.533	154434.323	4.843
Aliphatic C21-C28	10431684.000	80.000	13.380	17.046	130396.050	133966.368	2.665
Aliphatic C28-C40	11562204.000	120.000	17.047	22.025	96351.700	92124.417	-4.589
Aliphatic EPH	46199943.000	360.000	3.308	22.025	128333.175	128354.160	0.016

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	30 Jun 2025 11:14
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069326.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.308	6.605	9162395.000	60.000	ug/ml
Aliphatic C12-C16	6.606	10.009	6226328.000	40.000	ug/ml
Aliphatic C16-C21	10.010	13.379	8817332.000	60.000	ug/ml
Aliphatic C21-C28	13.380	17.046	10431684.000	80.000	ug/ml
Aliphatic C28-C40	17.047	22.025	11562204.000	120.000	ug/ml
Aliphatic EPH	3.308	22.025	46199943.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC063025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC069330.D

Aliphatic C9-C12	9081249.000	60.000	3.308	6.605	151354.150	146679.627	-3.187
Aliphatic C12-C16	6251541.000	40.000	6.606	10.009	156288.525	159210.532	1.835
Aliphatic C16-C21	8912187.000	60.000	10.010	13.379	148536.450	154434.323	3.819
Aliphatic C21-C28	10573737.000	80.000	13.380	17.046	132171.713	133966.368	1.340
Aliphatic C28-C40	11724019.000	120.000	17.047	22.025	97700.158	92124.417	-6.052
Aliphatic EPH	46542733.000	360.000	3.308	22.025	129285.369	128354.160	-0.725

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	30 Jun 2025 14:38
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069330.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.308	6.605	9081249.000	60.000	ug/ml
Aliphatic C12-C16	6.606	10.009	6251541.000	40.000	ug/ml
Aliphatic C16-C21	10.010	13.379	8912187.000	60.000	ug/ml
Aliphatic C21-C28	13.380	17.046	10573737.000	80.000	ug/ml
Aliphatic C28-C40	17.047	22.025	11724019.000	120.000	ug/ml
Aliphatic EPH	3.308	22.025	46542733.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FE062725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FE054615.D

Aliphatic C9-C12	7567174.000	60.000	3.317	6.943	126119.567	136055.079	7.303
Aliphatic C12-C16	5235301.000	40.000	6.944	10.391	130882.525	140568.128	6.890
Aliphatic C16-C21	8076702.000	60.000	10.392	13.764	134611.700	144393.643	6.774
Aliphatic C21-C28	10798798.000	80.000	13.765	17.429	134984.975	144651.717	6.683
Aliphatic C28-C40	17217475.000	120.000	17.430	22.428	143478.958	138647.492	-3.485
Aliphatic EPH	48895450.000	360.000	3.317	22.428	135820.694	140720.791	3.482

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	27 Jun 2025 16:24
Client Sample ID:		Operator:	YPAJ
Data file:	FE054615.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.317	6.943	7567174.000	60.000	ug/ml
Aliphatic C12-C16	6.944	10.391	5235301.000	40.000	ug/ml
Aliphatic C16-C21	10.392	13.764	8076702.000	60.000	ug/ml
Aliphatic C21-C28	13.765	17.429	10798798.000	80.000	ug/ml
Aliphatic C28-C40	17.430	22.428	17217475.000	120.000	ug/ml
Aliphatic EPH	3.317	22.428	48895450.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FE062725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FE054624.D

Aliphatic C9-C12	7589999.000	60.000	3.317	6.943	126499.983	136055.079	7.023
Aliphatic C12-C16	5272477.000	40.000	6.944	10.391	131811.925	140568.128	6.229
Aliphatic C16-C21	7988617.000	60.000	10.392	13.764	133143.617	144393.643	7.791
Aliphatic C21-C28	10259393.000	80.000	13.765	17.429	128242.413	144651.717	11.344
Aliphatic C28-C40	13988591.000	120.000	17.430	22.428	116571.592	138647.492	15.922
Aliphatic EPH	45099077.000	360.000	3.317	22.428	125275.214	140720.791	10.976

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	27 Jun 2025 22:57
Client Sample ID:		Operator:	YP\AJ
Data file:	FE054624.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.317	6.943	7589999.000	60.000	ug/ml
Aliphatic C12-C16	6.944	10.391	5272477.000	40.000	ug/ml
Aliphatic C16-C21	10.392	13.764	7988617.000	60.000	ug/ml
Aliphatic C21-C28	13.765	17.429	10259393.000	80.000	ug/ml
Aliphatic C28-C40	17.430	22.428	13988591.000	120.000	ug/ml
Aliphatic EPH	3.317	22.428	45099077.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FG062725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FG016154.D

Aliphatic C9-C12	6416956.000	60.000	3.316	6.955	106949.267	109333.554	2.181
Aliphatic C12-C16	4427737.000	40.000	6.956	10.413	110693.425	111824.611	1.012
Aliphatic C16-C21	6800919.000	60.000	10.414	13.802	113348.650	114479.647	0.988
Aliphatic C21-C28	9051271.000	80.000	13.803	17.485	113140.888	114390.192	1.092
Aliphatic C28-C40	11162303.000	120.000	17.486	22.536	93019.192	91995.767	-1.112
Aliphatic EPH	37859186.000	360.000	3.316	22.536	105164.406	105812.455	0.612

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	27 Jun 2025 15:08
Client Sample ID:		Operator:	YPAJ
Data file:	FG016154.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.316	6.955	6416956.000	60.000	ug/ml
Aliphatic C12-C16	6.956	10.413	4427737.000	40.000	ug/ml
Aliphatic C16-C21	10.414	13.802	6800919.000	60.000	ug/ml
Aliphatic C21-C28	13.803	17.485	9051271.000	80.000	ug/ml
Aliphatic C28-C40	17.486	22.536	11162303.000	120.000	ug/ml
Aliphatic EPH	3.316	22.536	37859186.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FG062725AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FG016167.D

Aliphatic C9-C12	6294320.000	60.000	3.316	6.955	104905.333	109333.554	4.050
Aliphatic C12-C16	4354808.000	40.000	6.956	10.413	108870.200	111824.611	2.642
Aliphatic C16-C21	6711300.000	60.000	10.414	13.802	111855.000	114479.647	2.293
Aliphatic C21-C28	8970350.000	80.000	13.803	17.485	112129.375	114390.192	1.976
Aliphatic C28-C40	11181070.000	120.000	17.486	22.536	93175.583	91995.767	-1.282
Aliphatic EPH	37511848.000	360.000	3.316	22.536	104199.578	105812.455	1.524

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	27 Jun 2025 22:02
Client Sample ID:		Operator:	YP\AJ
Data file:	FG016167.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.316	6.955	6294320.000	60.000	ug/ml
Aliphatic C12-C16	6.956	10.413	4354808.000	40.000	ug/ml
Aliphatic C16-C21	10.414	13.802	6711300.000	60.000	ug/ml
Aliphatic C21-C28	13.803	17.485	8970350.000	80.000	ug/ml
Aliphatic C28-C40	17.486	22.536	11181070.000	120.000	ug/ml
Aliphatic EPH	3.316	22.536	37511848.000	360.000	ug/ml



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054618.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 17:55
 Operator : YP\AJ
 Sample : Q2431-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 S-1

Integration File: autoint1.e
 Quant Time: Jun 28 01:47:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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	5301058	32.643 ug/ml
Spiked Amount 50.000		Recovery =	65.29%
12) S 1-chlorooctadecane (S...	13.499	4110560	32.548 ug/ml
Spiked Amount 50.000		Recovery =	65.10%

Target Compounds

(f)=RT Delta > 1/2 Window

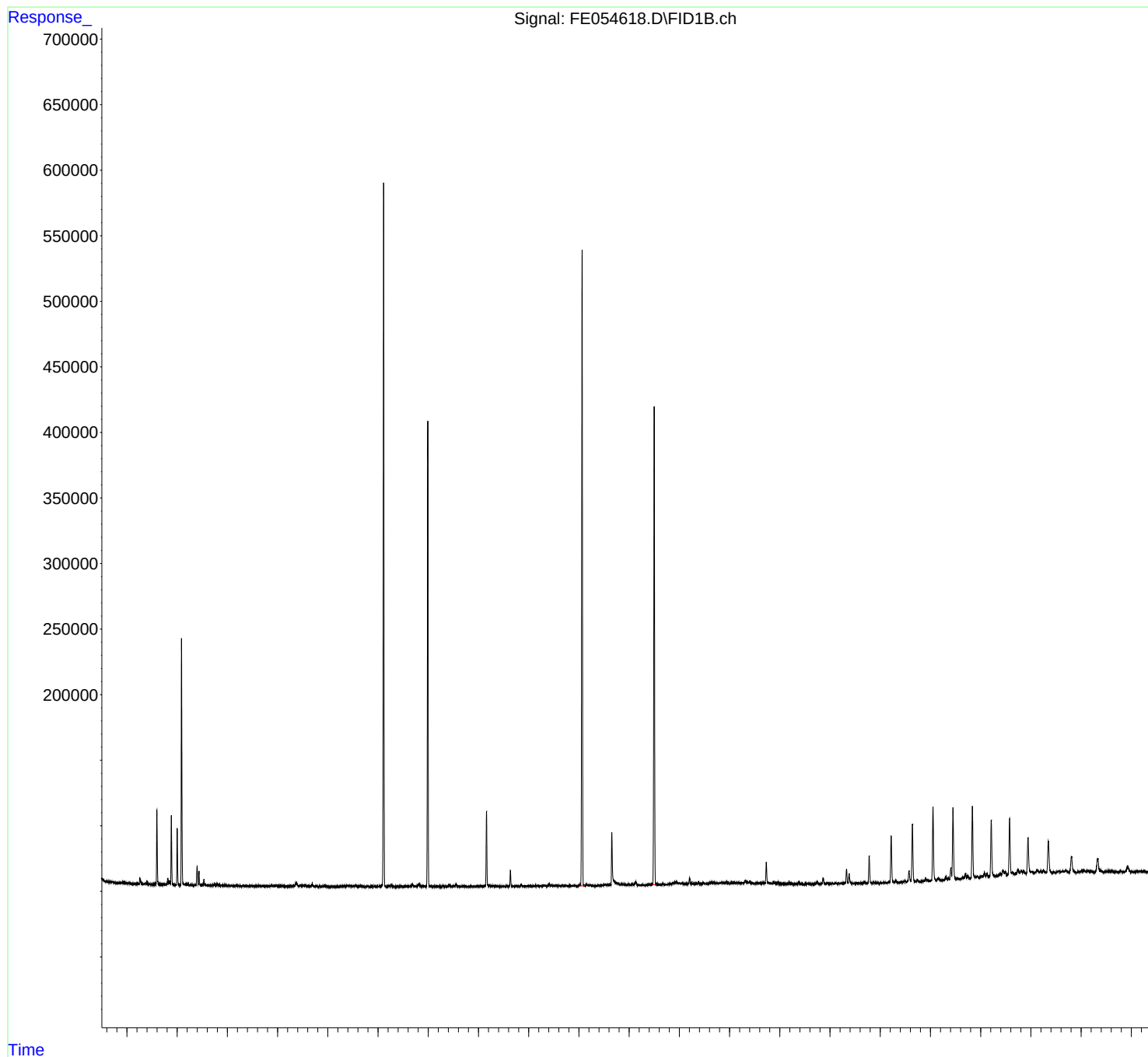
(m)=manual int.

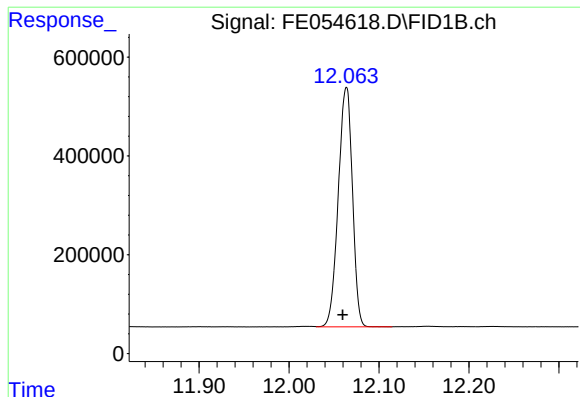
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054618.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 17:55
Operator : YP\AJ
Sample : Q2431-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-1

Integration File: autoint1.e
Quant Time: Jun 28 01:47:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

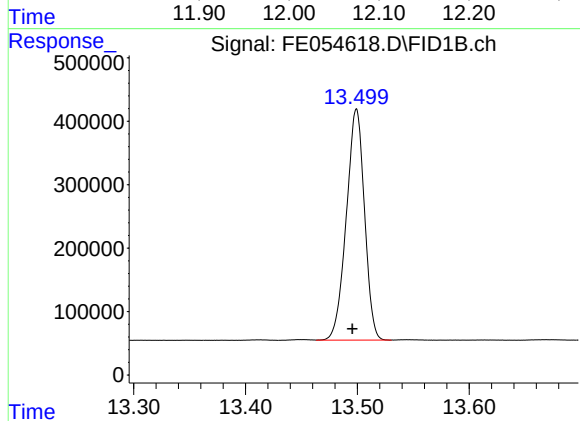




#9 ortho-Terphenyl (SURR)

R.T.: 12.064 min
Delta R.T.: 0.004 min
Response: 5301058
Conc: 32.64 ug/ml

Instrument :
FID_E
ClientSampleId :
S-1



#12 1-chlorooctadecane (SURR)

R.T.: 13.499 min
Delta R.T.: 0.004 min
Response: 4110560
Conc: 32.55 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054618.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 17:55
 Sample : Q2431-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	2.882	2.838	2.901	BV	403	2569	0.05%	0.009%
2	2.913	2.901	2.925	PV	687	5363	0.10%	0.019%
3	2.936	2.925	3.021	VV	1176	22078	0.42%	0.078%
4	3.035	3.021	3.104	VV	369	8050	0.15%	0.028%
5	3.123	3.104	3.138	VV	312	3446	0.06%	0.012%
6	3.167	3.138	3.228	PV	330	8205	0.15%	0.029%
7	3.256	3.228	3.338	VV	4731	71739	1.35%	0.252%
8	3.360	3.338	3.380	VV	712	11511	0.22%	0.040%
9	3.399	3.380	3.465	VV	2501	30539	0.58%	0.107%
10	3.484	3.465	3.515	VV	181	2122	0.04%	0.007%
11	3.562	3.530	3.573	VV	587	7988	0.15%	0.028%
12	3.597	3.573	3.694	VV	55701	538435	10.14%	1.893%
13	3.711	3.694	3.722	VV	242	2423	0.05%	0.009%
14	3.733	3.722	3.758	VV	279	4045	0.08%	0.014%
15	3.775	3.758	3.791	VV	364	5376	0.10%	0.019%
16	3.811	3.791	3.838	VV	5015	62591	1.18%	0.220%
17	3.853	3.838	3.864	VV	3055	32429	0.61%	0.114%
18	3.884	3.864	3.961	VV	52579	492349	9.28%	1.731%
19	4.001	3.961	4.063	VV	42883	387779	7.31%	1.363%
20	4.087	4.063	4.174	PV	183776	1713110	32.28%	6.022%
21	4.188	4.174	4.200	VV	648	8537	0.16%	0.030%
22	4.216	4.200	4.242	VV	759	13166	0.25%	0.046%
23	4.255	4.242	4.370	VV	380	15970	0.30%	0.056%
24	4.397	4.370	4.418	VV	14040	169187	3.19%	0.595%
25	4.434	4.418	4.465	VV	10710	103025	1.94%	0.362%
26	4.480	4.465	4.498	VV	346	4890	0.09%	0.017%
27	4.532	4.498	4.549	VV	4748	48421	0.91%	0.170%
28	4.558	4.549	4.635	VV	1151	16452	0.31%	0.058%
29	4.641	4.635	4.651	VV	130	899	0.02%	0.003%
30	4.672	4.651	4.708	VV	378	6312	0.12%	0.022%
31	4.742	4.708	4.769	VV	1226	19847	0.37%	0.070%
32	4.795	4.769	4.843	VV	1496	23801	0.45%	0.084%
33	4.856	4.843	4.874	VV	378	4803	0.09%	0.017%
34	4.894	4.874	4.935	VV	424	8492	0.16%	0.030%
35	4.954	4.935	5.012	VV	850	12623	0.24%	0.044%
36	5.027	5.012	5.045	VV	166	3080	0.06%	0.011%

					rters			
37	5.061	5.045	5.083	VV	189	3421	0.06%	0.012%
38	5.113	5.083	5.207	VV	251	8484	0.16%	0.030%
39	5.216	5.207	5.234	VV	74	916	0.02%	0.003%
40	5.242	5.234	5.251	VV	89	895	0.02%	0.003%
41	5.314	5.251	5.335	VV	454	9310	0.18%	0.033%
42	5.360	5.335	5.401	VV	278	6919	0.13%	0.024%
43	5.413	5.401	5.449	VV	221	3629	0.07%	0.013%
44	5.488	5.449	5.558	PV	196	5447	0.10%	0.019%
45	5.575	5.558	5.600	VV	286	3821	0.07%	0.013%
46	5.625	5.600	5.704	VV	657	9959	0.19%	0.035%
47	5.722	5.704	5.748	VV	126	1840	0.03%	0.006%
48	5.778	5.748	5.791	VV	118	2580	0.05%	0.009%
49	5.805	5.791	5.828	VV	186	2835	0.05%	0.010%
50	5.869	5.828	5.898	VV	532	9347	0.18%	0.033%
51	5.908	5.898	5.918	VV	206	2078	0.04%	0.007%
52	5.938	5.918	5.973	VV	513	8207	0.15%	0.029%
53	5.994	5.973	6.034	VV	437	9697	0.18%	0.034%
54	6.077	6.034	6.165	VV	442	20123	0.38%	0.071%
55	6.181	6.165	6.214	VV	202	4519	0.09%	0.016%
56	6.254	6.214	6.305	VV	280	9914	0.19%	0.035%
57	6.332	6.305	6.343	VV	406	6722	0.13%	0.024%
58	6.363	6.343	6.375	VV	2372	29450	0.55%	0.104%
59	6.383	6.375	6.421	VV	1900	28482	0.54%	0.100%
60	6.439	6.421	6.477	VV	685	17693	0.33%	0.062%
61	6.493	6.477	6.521	VV	511	13051	0.25%	0.046%
62	6.557	6.521	6.615	VV	727	26294	0.50%	0.092%
63	6.648	6.615	6.659	VV	337	8332	0.16%	0.029%
64	6.687	6.659	6.736	VV	1902	28790	0.54%	0.101%
65	6.749	6.736	6.811	VV	195	6050	0.11%	0.021%
66	6.833	6.811	6.871	VV	294	6062	0.11%	0.021%
67	6.878	6.871	6.917	VV	134	2656	0.05%	0.009%
68	6.935	6.917	6.979	VV	732	10829	0.20%	0.038%
69	6.991	6.979	7.012	VV	136	1544	0.03%	0.005%
70	7.094	7.012	7.121	PV	193	5290	0.10%	0.019%
71	7.128	7.121	7.134	VV	125	1041	0.02%	0.004%
72	7.143	7.134	7.209	VV	143	3569	0.07%	0.013%
73	7.220	7.209	7.264	VV	131	2943	0.06%	0.010%
74	7.275	7.264	7.288	VV	108	1317	0.02%	0.005%
75	7.326	7.288	7.343	VV	602	10143	0.19%	0.036%
76	7.395	7.343	7.514	VV	923	54885	1.03%	0.193%
77	7.552	7.514	7.646	VV	812	24989	0.47%	0.088%
78	7.662	7.646	7.682	VV	343	4088	0.08%	0.014%
79	7.697	7.682	7.727	VV	103	1856	0.03%	0.007%
80	7.742	7.727	7.766	VV	118	1411	0.03%	0.005%
81	7.792	7.766	7.838	VV	158	4005	0.08%	0.014%
82	7.865	7.838	7.920	VV	130	4312	0.08%	0.015%
83	7.955	7.920	7.978	VV	220	4730	0.09%	0.017%
84	8.029	7.978	8.051	VV	622	11136	0.21%	0.039%
85	8.206	8.187	8.218	VV	606	7618	0.14%	0.027%
86	8.224	8.218	8.240	VV	548	6749	0.13%	0.024%
87	8.258	8.240	8.278	VV	987	13350	0.25%	0.047%
88	8.285	8.278	8.328	VV	444	6499	0.12%	0.023%
89	8.337	8.328	8.348	VV	149	1293	0.02%	0.005%

					rt	Area	Height	%Area	%Height
90	8.352	8.348	8.374	VV	141	1580	0.03%	0.006%	
91	8.382	8.374	8.391	VV	91	993	0.02%	0.003%	
92	8.408	8.391	8.444	VV	160	3703	0.07%	0.013%	
93	8.571	8.444	8.607	VV	412	19397	0.37%	0.068%	
94	8.648	8.607	8.659	VV	471	10550	0.20%	0.037%	
95	8.683	8.659	8.741	VV	1456	38067	0.72%	0.134%	
96	8.816	8.741	8.890	VV	2077	64178	1.21%	0.226%	
97	8.913	8.890	8.953	VV	715	13821	0.26%	0.049%	
98	9.117	9.099	9.131	VV	375	5979	0.11%	0.021%	
99	9.154	9.131	9.254	VV	746	21594	0.41%	0.076%	
100	9.290	9.254	9.350	PV	810	16940	0.32%	0.060%	
101	9.412	9.350	9.471	VV	1075	27854	0.52%	0.098%	
102	9.506	9.471	9.518	VV	394	7067	0.13%	0.025%	
103	9.550	9.518	9.634	VV	1941	43615	0.82%	0.153%	
104	9.701	9.634	9.776	VV	407	16741	0.32%	0.059%	
105	9.796	9.776	9.813	VV	157	2456	0.05%	0.009%	
106	9.841	9.813	9.858	VV	347	4996	0.09%	0.018%	
107	9.891	9.858	9.932	VV	426	9987	0.19%	0.035%	
108	9.966	9.932	10.013	VV	346	10120	0.19%	0.036%	
109	10.043	10.013	10.112	VV	644	18324	0.35%	0.064%	
110	10.160	10.112	10.208	VV	57361	604903	11.40%	2.126%	
111	10.227	10.208	10.274	VV	497	10549	0.20%	0.037%	
112	10.292	10.274	10.343	VV	618	13841	0.26%	0.049%	
113	10.359	10.343	10.378	VV	197	3044	0.06%	0.011%	
114	10.397	10.378	10.419	VV	229	3541	0.07%	0.012%	
115	10.437	10.419	10.528	VV	207	5450	0.10%	0.019%	
116	10.552	10.528	10.574	PV	139	1909	0.04%	0.007%	
117	10.587	10.574	10.601	VV	102	980	0.02%	0.003%	
118	10.636	10.601	10.664	VV	12278	126192	2.38%	0.444%	
119	10.682	10.664	10.700	VV	292	3973	0.07%	0.014%	
120	10.730	10.700	10.773	VV	397	9274	0.17%	0.033%	
121	10.785	10.773	10.796	VV	101	1205	0.02%	0.004%	
122	10.849	10.796	10.884	VV	1547	26418	0.50%	0.093%	
123	10.904	10.884	10.928	VV	314	5711	0.11%	0.020%	
124	10.948	10.928	10.969	VV	260	5230	0.10%	0.018%	
125	10.986	10.969	11.003	VV	747	9493	0.18%	0.033%	
126	11.030	11.003	11.068	VV	451	9020	0.17%	0.032%	
127	11.072	11.068	11.079	VV	115	419	0.01%	0.001%	
128	11.131	11.079	11.154	PV	456	11175	0.21%	0.039%	
129	11.166	11.154	11.204	VV	282	4540	0.09%	0.016%	
130	11.226	11.204	11.251	VV	224	3775	0.07%	0.013%	
131	11.289	11.251	11.304	VV	775	13122	0.25%	0.046%	
132	11.315	11.304	11.341	VV	665	9492	0.18%	0.033%	
133	11.406	11.341	11.493	VV	1595	48921	0.92%	0.172%	
134	11.496	11.493	11.505	VV	311	2168	0.04%	0.008%	
135	11.522	11.505	11.532	VV	396	5355	0.10%	0.019%	
136	11.553	11.532	11.615	VV	356	13581	0.26%	0.048%	
137	11.625	11.615	11.636	VV	242	2103	0.04%	0.007%	
138	11.667	11.636	11.694	VV	668	12165	0.23%	0.043%	
139	11.711	11.694	11.724	VV	482	6750	0.13%	0.024%	
140	11.737	11.724	11.794	VV	626	8982	0.17%	0.032%	
141	11.817	11.794	11.878	VV	723	12525	0.24%	0.044%	

					rteres			
142	11.900	11.878	11.917	VV	438	5345	0.10%	0.019%
143	11.931	11.917	11.955	VV	263	3597	0.07%	0.013%
144	12.019	11.955	12.030	PV	1092	17043	0.32%	0.060%
145	12.064	12.030	12.113	VV	490303	5307615	100.00%	18.657%
146	12.154	12.113	12.181	VV	1281	23879	0.45%	0.084%
147	12.192	12.181	12.211	VV	532	7348	0.14%	0.026%
148	12.227	12.211	12.262	VV	828	13563	0.26%	0.048%
149	12.284	12.262	12.318	VV	190	4592	0.09%	0.016%
150	12.336	12.318	12.359	VV	202	2850	0.05%	0.010%
151	12.395	12.359	12.421	VV	617	11754	0.22%	0.041%
152	12.461	12.421	12.480	VV	514	12226	0.23%	0.043%
153	12.529	12.480	12.546	VV	1073	27749	0.52%	0.098%
154	12.577	12.546	12.602	VV	897	25985	0.49%	0.091%
155	12.655	12.602	12.728	VV	40493	582651	10.98%	2.048%
156	12.742	12.728	12.760	VV	2273	40723	0.77%	0.143%
157	12.771	12.760	12.825	VV	1978	58628	1.10%	0.206%
158	12.840	12.825	12.854	VV	1174	20153	0.38%	0.071%
159	12.860	12.854	12.911	VV	1212	34071	0.64%	0.120%
160	12.925	12.911	12.944	VV	934	15923	0.30%	0.056%
161	12.990	12.944	13.019	VV	1185	34879	0.66%	0.123%
162	13.048	13.019	13.068	VV	1388	25386	0.48%	0.089%
163	13.081	13.068	13.095	VV	1247	16100	0.30%	0.057%
164	13.134	13.095	13.162	VV	2823	63092	1.19%	0.222%
165	13.180	13.162	13.241	VV	604	20547	0.39%	0.072%
166	13.260	13.241	13.289	VV	585	12977	0.24%	0.046%
167	13.307	13.289	13.335	VV	469	11219	0.21%	0.039%
168	13.348	13.335	13.370	VV	484	8046	0.15%	0.028%
169	13.412	13.370	13.430	VV	1061	20722	0.39%	0.073%
170	13.450	13.430	13.463	VV	1386	19313	0.36%	0.068%
171	13.499	13.463	13.531	VV	363808	4136429	77.93%	14.540%
172	13.545	13.531	13.597	VV	1191	29921	0.56%	0.105%
173	13.614	13.597	13.644	VV	769	17077	0.32%	0.060%
174	13.669	13.644	13.708	VV	1201	30512	0.57%	0.107%
175	13.714	13.708	13.729	VV	608	7294	0.14%	0.026%
176	13.836	13.729	13.850	VV	1247	64829	1.22%	0.228%
177	13.868	13.850	13.894	VV	1860	40464	0.76%	0.142%
178	13.912	13.894	13.926	VV	2491	39698	0.75%	0.140%
179	13.945	13.926	13.978	VV	2685	65223	1.23%	0.229%
180	13.996	13.978	14.028	VV	1744	43898	0.83%	0.154%
181	14.057	14.028	14.091	VV	1621	49712	0.94%	0.175%
182	14.108	14.091	14.135	VV	1185	29182	0.55%	0.103%
183	14.147	14.135	14.158	VV	984	13294	0.25%	0.047%
184	14.202	14.158	14.229	VV	5351	93769	1.77%	0.330%
185	14.251	14.229	14.289	VV	1450	41730	0.79%	0.147%
186	14.305	14.289	14.325	VV	1061	21342	0.40%	0.075%
187	14.378	14.325	14.411	VV	2646	73698	1.39%	0.259%
188	14.422	14.411	14.435	VV	1053	14619	0.28%	0.051%
189	14.483	14.435	14.508	VV	1633	55856	1.05%	0.196%
190	14.522	14.508	14.559	VV	1094	32326	0.61%	0.114%
191	14.606	14.559	14.620	VV	1784	47165	0.89%	0.166%
192	14.640	14.620	14.665	VV	2252	45341	0.85%	0.159%
193	14.688	14.665	14.717	VV	2263	51489	0.97%	0.181%
194	14.724	14.717	14.733	VV	1397	12498	0.24%	0.044%

					rteres			
195	14.752	14.733	14.781	VV	1337	36611	0.69%	0.129%
196	14.832	14.781	14.864	VV	1870	76553	1.44%	0.269%
197	14.884	14.864	14.907	VV	1801	39277	0.74%	0.138%
198	14.941	14.907	15.004	VV	1991	87636	1.65%	0.308%
199	15.042	15.004	15.069	VV	2030	57896	1.09%	0.204%
200	15.084	15.069	15.117	VV	1509	41806	0.79%	0.147%
201	15.129	15.117	15.143	VV	1495	21682	0.41%	0.076%
202	15.152	15.143	15.174	VV	1534	26641	0.50%	0.094%
203	15.197	15.174	15.231	VV	1688	46237	0.87%	0.163%
204	15.249	15.231	15.256	VV	1365	19841	0.37%	0.070%
205	15.265	15.256	15.278	VV	1332	17228	0.32%	0.061%
206	15.314	15.278	15.341	VV	3559	85853	1.62%	0.302%
207	15.352	15.341	15.375	VV	2251	37999	0.72%	0.134%
208	15.399	15.375	15.438	VV	2920	66189	1.25%	0.233%
209	15.445	15.438	15.475	VV	1265	26118	0.49%	0.092%
210	15.494	15.475	15.518	VV	1174	28265	0.53%	0.099%
211	15.550	15.518	15.581	VV	1431	44173	0.83%	0.155%
212	15.615	15.581	15.650	VV	1119	41148	0.78%	0.145%
213	15.659	15.650	15.700	VV	1034	29267	0.55%	0.103%
214	15.731	15.700	15.768	VV	17043	237766	4.48%	0.836%
215	15.777	15.768	15.855	VV	1409	55450	1.04%	0.195%
216	15.878	15.855	15.917	VV	1727	46716	0.88%	0.164%
217	15.958	15.917	15.988	VV	1750	44920	0.85%	0.158%
218	16.005	15.988	16.029	VV	811	15901	0.30%	0.056%
219	16.056	16.029	16.082	VV	642	16641	0.31%	0.058%
220	16.107	16.082	16.124	VV	706	14041	0.26%	0.049%
221	16.149	16.124	16.168	VV	908	17396	0.33%	0.061%
222	16.186	16.168	16.217	VV	1266	23044	0.43%	0.081%
223	16.248	16.217	16.277	VV	833	18852	0.36%	0.066%
224	16.297	16.277	16.328	VV	391	9911	0.19%	0.035%
225	16.343	16.328	16.355	VV	361	4862	0.09%	0.017%
226	16.378	16.355	16.424	VV	2212	35261	0.66%	0.124%
227	16.440	16.424	16.471	VV	549	7546	0.14%	0.027%
228	16.488	16.471	16.499	VV	198	2622	0.05%	0.009%
229	16.525	16.499	16.536	VV	343	5807	0.11%	0.020%
230	16.564	16.536	16.643	VV	635	19638	0.37%	0.069%
231	16.686	16.643	16.694	PV	296	4655	0.09%	0.016%
232	16.747	16.694	16.784	VV	1820	41331	0.78%	0.145%
233	16.803	16.784	16.813	VV	323	4765	0.09%	0.017%
234	16.861	16.813	16.921	VV	4123	71791	1.35%	0.252%
235	16.942	16.921	16.988	VV	982	16534	0.31%	0.058%
236	17.008	16.988	17.041	VV	482	10035	0.19%	0.035%
237	17.060	17.041	17.083	VV	538	7601	0.14%	0.027%
238	17.107	17.083	17.161	PV	692	13514	0.25%	0.048%
239	17.176	17.161	17.199	VV	584	7774	0.15%	0.027%
240	17.231	17.199	17.253	VV	682	13736	0.26%	0.048%
241	17.329	17.253	17.356	VV	11058	167075	3.15%	0.587%
242	17.381	17.356	17.439	VV	7452	111225	2.10%	0.391%
243	17.448	17.439	17.499	VV	328	8733	0.16%	0.031%
244	17.531	17.499	17.558	VV	485	10497	0.20%	0.037%
245	17.569	17.558	17.591	VV	384	5405	0.10%	0.019%
246	17.604	17.591	17.637	VV	378	7208	0.14%	0.025%

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247	17.680	17.637	17.738	PV	1341	30716	0.58%	0.108%
248	17.780	17.738	17.831	VV	20737	292060	5.50%	1.027%
249	17.866	17.831	17.925	VV	618	19598	0.37%	0.069%
250	17.945	17.925	17.979	VV	346	7014	0.13%	0.025%
251	18.004	17.979	18.031	VV	301	3928	0.07%	0.014%
252	18.064	18.031	18.088	VV	436	7462	0.14%	0.026%
253	18.101	18.088	18.124	VV	320	4052	0.08%	0.014%
254	18.173	18.124	18.186	PV	1086	15866	0.30%	0.056%
255	18.218	18.186	18.282	VV	35650	521641	9.83%	1.834%
256	18.307	18.282	18.374	VV	1932	32702	0.62%	0.115%
257	18.457	18.374	18.470	PV	564	13402	0.25%	0.047%
258	18.492	18.470	18.521	VV	1234	21428	0.40%	0.075%
259	18.573	18.521	18.611	VV	8545	155659	2.93%	0.547%
260	18.640	18.611	18.705	VV	44196	650285	12.25%	2.286%
261	18.735	18.705	18.802	VV	1398	28877	0.54%	0.102%
262	18.851	18.802	18.871	PV	537	8823	0.17%	0.031%
263	18.905	18.871	18.929	VV	2301	38430	0.72%	0.135%
264	18.949	18.929	18.978	VV	1009	14312	0.27%	0.050%
265	19.051	18.978	19.117	VV	56281	810806	15.28%	2.850%
266	19.154	19.117	19.231	VV	1566	45587	0.86%	0.160%
267	19.253	19.231	19.271	VV	186	1972	0.04%	0.007%
268	19.307	19.271	19.335	VV	2780	43240	0.81%	0.152%
269	19.354	19.335	19.373	VV	1596	22516	0.42%	0.079%
270	19.405	19.373	19.422	VV	9149	135847	2.56%	0.478%
271	19.449	19.422	19.511	VV	54272	805912	15.18%	2.833%
272	19.549	19.511	19.585	VV	799	21450	0.40%	0.075%
273	19.646	19.585	19.666	VV	1380	36095	0.68%	0.127%
274	19.696	19.666	19.721	VV	4294	72388	1.36%	0.254%
275	19.742	19.721	19.788	VV	2570	47317	0.89%	0.166%
276	19.835	19.788	19.893	VV	55207	816281	15.38%	2.869%
277	19.935	19.893	19.967	VV	1792	45179	0.85%	0.159%
278	20.019	19.967	20.045	VV	1557	48174	0.91%	0.169%
279	20.075	20.045	20.098	VV	3685	76146	1.43%	0.268%
280	20.121	20.098	20.160	VV	3501	73225	1.38%	0.257%
281	20.210	20.160	20.290	VV	43739	713080	13.44%	2.507%
282	20.312	20.290	20.332	VV	1353	26430	0.50%	0.093%
283	20.393	20.332	20.412	VV	2398	80251	1.51%	0.282%
284	20.441	20.412	20.469	VV	4732	115101	2.17%	0.405%
285	20.488	20.469	20.528	VV	4035	86108	1.62%	0.303%
286	20.576	20.528	20.615	VV	44212	721861	13.60%	2.537%
287	20.636	20.615	20.682	VV	3041	93778	1.77%	0.330%
288	20.741	20.682	20.779	VV	5153	169311	3.19%	0.595%
289	20.803	20.779	20.829	VV	3901	92949	1.75%	0.327%
290	20.851	20.829	20.883	VV	3991	89523	1.69%	0.315%
291	20.943	20.883	21.007	VV	28589	602130	11.34%	2.117%
292	21.019	21.007	21.065	VV	2693	73565	1.39%	0.259%
293	21.128	21.065	21.168	VV	3516	153289	2.89%	0.539%
294	21.193	21.168	21.221	VV	3049	75559	1.42%	0.266%
295	21.248	21.221	21.294	VV	3187	94874	1.79%	0.333%
296	21.347	21.294	21.428	VV	25141	552939	10.42%	1.944%
297	21.454	21.428	21.485	VV	1487	35052	0.66%	0.123%
298	21.556	21.485	21.601	VV	1894	91380	1.72%	0.321%
299	21.630	21.601	21.655	VV	1726	46641	0.88%	0.164%

					rteres			
300	21.695	21.655	21.755	VV	2168	79442	1.50%	0.279%
301	21.807	21.755	21.908	VV	12348	300073	5.65%	1.055%
302	21.944	21.908	21.959	VV	465	10019	0.19%	0.035%
303	22.050	21.959	22.088	VV	984	52467	0.99%	0.184%
304	22.126	22.088	22.167	VV	783	23342	0.44%	0.082%
					Sum of corrected areas:	28448104		

Aliphatic EPH 062725.M Sat Jun 28 02:35:48 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
Data File : FC069327.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 11:59
Operator : YP/AJ
Sample : Q2431-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
S-2

Integration File: autoint1.e
Quant Time: Jul 01 05:04:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.678	4645575	26.891 ug/ml
Spiked Amount	50.000	Recovery	= 53.78%
12) S 1-chlorooctadecane (S...	13.113	3520509	26.948 ug/ml
Spiked Amount	50.000	Recovery	= 53.90%

Target Compounds

(f)=RT Delta > 1/2 Window

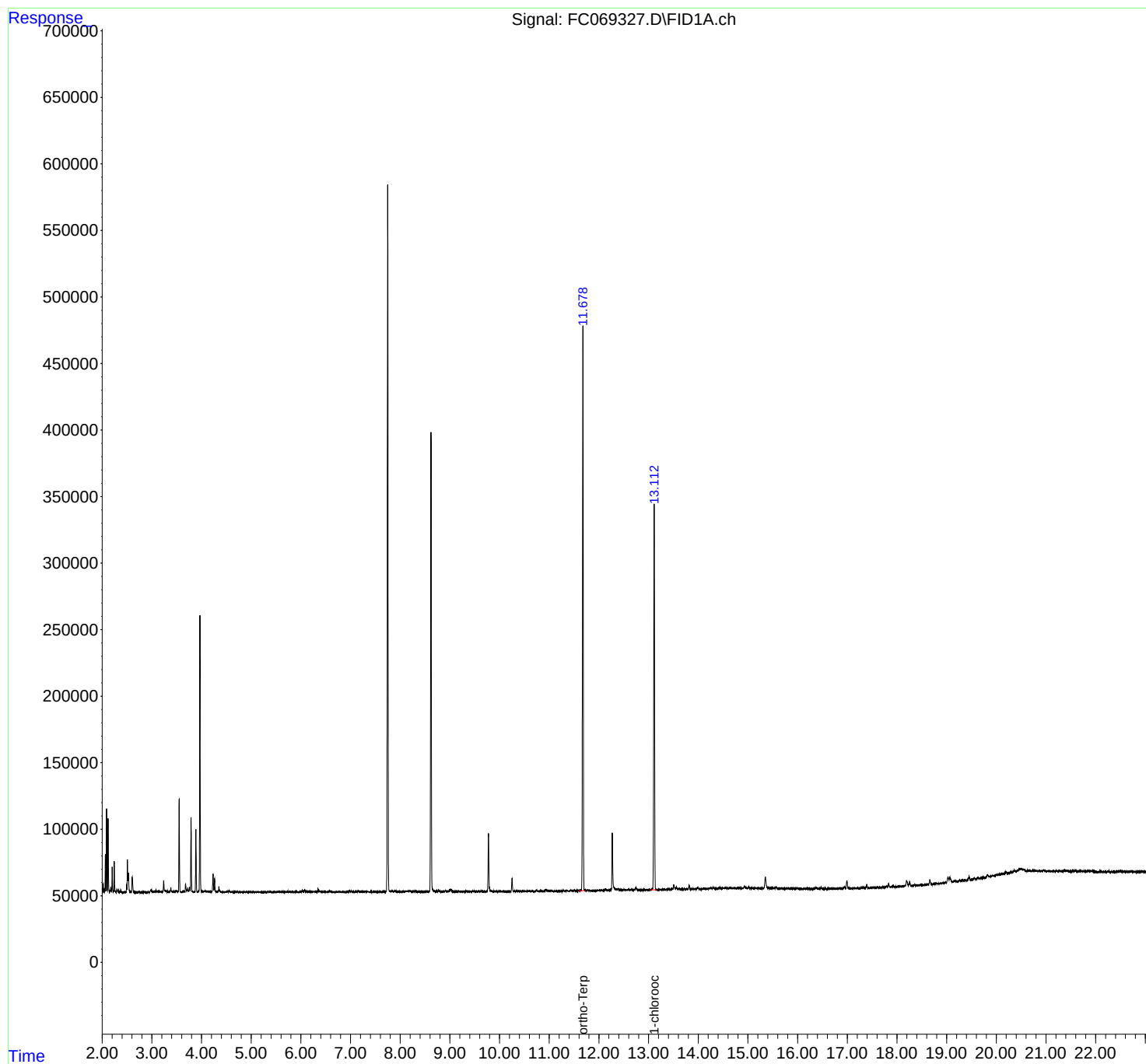
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
Data File : FC069327.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 11:59
Operator : YP/AJ
Sample : Q2431-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
S-2

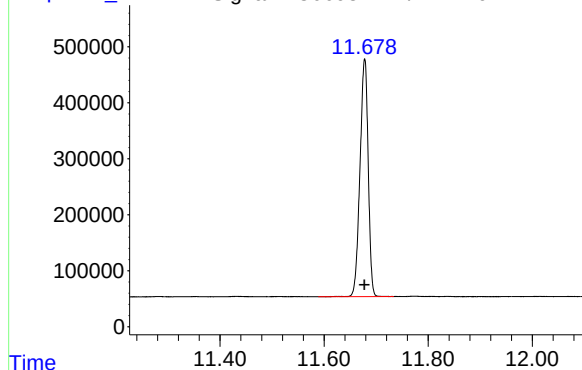
Integration File: autoint1.e
Quant Time: Jul 01 05:04:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: FC069327.D\FID1A.ch

#9 ortho-Terphenyl (SURR)

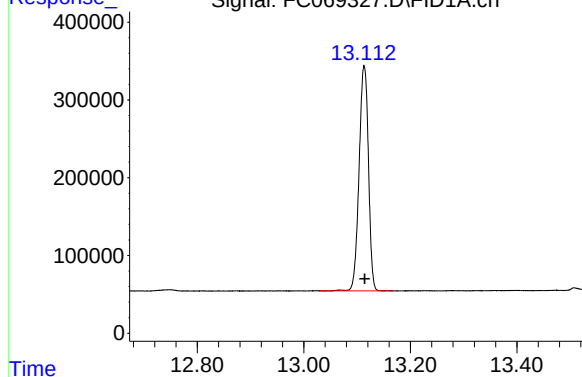


R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 4645575
Conc: 26.89 ug/ml

Instrument :
FID_C
ClientSampleId :
S-2

Signal: FC069327.D\FID1A.ch

#12 1-chlorooctadecane (SURR)



R.T.: 13.113 min
Delta R.T.: 0.000 min
Response: 3520509
Conc: 26.95 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
 Data File : FC069327.D
 Signal(s) : FID1A.ch
 Acq On : 30 Jun 2025 11:59
 Sample : Q2431-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.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	3.239	3.204	3.274	BV	8456	81068	1.74%	0.358%
2	3.284	3.274	3.301	VV	650	7036	0.15%	0.031%
3	3.314	3.301	3.344	VV	428	4054	0.09%	0.018%
4	3.383	3.344	3.414	VV	3017	28709	0.62%	0.127%
5	3.420	3.414	3.434	VV	293	2577	0.06%	0.011%
6	3.448	3.434	3.465	VV	272	3798	0.08%	0.017%
7	3.482	3.465	3.498	VV	783	8587	0.18%	0.038%
8	3.509	3.498	3.528	VV	570	7895	0.17%	0.035%
9	3.551	3.528	3.611	VV	68870	550724	11.81%	2.430%
10	3.627	3.611	3.663	VV	784	10920	0.23%	0.048%
11	3.680	3.663	3.711	VV	5713	66685	1.43%	0.294%
12	3.724	3.711	3.741	VV	3069	29303	0.63%	0.129%
13	3.760	3.741	3.771	VV	3623	34455	0.74%	0.152%
14	3.790	3.771	3.861	VV	55345	446849	9.58%	1.971%
15	3.887	3.861	3.918	PV	46553	376751	8.08%	1.662%
16	3.968	3.918	4.031	VV	208198	1701268	36.48%	7.505%
17	4.051	4.031	4.071	VV	756	12477	0.27%	0.055%
18	4.080	4.071	4.095	VV	712	7934	0.17%	0.035%
19	4.104	4.095	4.135	VV	678	11205	0.24%	0.049%
20	4.149	4.135	4.166	VV	492	7052	0.15%	0.031%
21	4.232	4.166	4.250	VV	13651	160333	3.44%	0.707%
22	4.263	4.250	4.308	VV	10096	91298	1.96%	0.403%
23	4.316	4.308	4.331	VV	232	3027	0.06%	0.013%
24	4.350	4.331	4.386	VV	4074	44081	0.95%	0.194%
25	4.407	4.386	4.428	VV	185	3248	0.07%	0.014%
26	4.443	4.428	4.460	VV	158	2250	0.05%	0.010%
27	4.477	4.460	4.500	VV	346	4413	0.09%	0.019%
28	4.530	4.500	4.540	VV	607	7784	0.17%	0.034%
29	4.554	4.540	4.608	VV	1302	15444	0.33%	0.068%
30	4.621	4.608	4.645	PV	271	3023	0.06%	0.013%
31	4.654	4.645	4.665	VV	76	706	0.02%	0.003%
32	4.724	4.665	4.746	VV	673	8038	0.17%	0.035%
33	4.759	4.746	4.798	PV	82	1449	0.03%	0.006%
34	4.812	4.798	4.827	VV	126	1165	0.02%	0.005%
35	4.838	4.827	4.908	VV	91	4054	0.09%	0.018%
36	4.919	4.908	4.956	VV	161	3145	0.07%	0.014%

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37	4.986	4.956	5.015	VV	134	3010	0.06%	0.013%
38	5.035	5.015	5.057	VV	316	5063	0.11%	0.022%
39	5.069	5.057	5.101	VV	192	4281	0.09%	0.019%
40	5.118	5.101	5.140	VV	223	3942	0.08%	0.017%
41	5.162	5.140	5.188	VV	231	4093	0.09%	0.018%
42	5.216	5.188	5.238	VV	146	2829	0.06%	0.012%
43	5.251	5.238	5.315	PV	118	2784	0.06%	0.012%
44	5.335	5.315	5.383	VV	576	7331	0.16%	0.032%
45	5.396	5.383	5.403	VV	155	1112	0.02%	0.005%
46	5.407	5.403	5.429	VV	92	1169	0.03%	0.005%
47	5.446	5.429	5.484	VV	123	2391	0.05%	0.011%
48	5.521	5.484	5.534	VV	163	2593	0.06%	0.011%
49	5.547	5.534	5.607	VV	392	9803	0.21%	0.043%
50	5.623	5.607	5.655	VV	398	7512	0.16%	0.033%
51	5.664	5.655	5.694	VV	343	3867	0.08%	0.017%
52	5.708	5.694	5.731	VV	256	4704	0.10%	0.021%
53	5.738	5.731	5.782	VV	315	5788	0.12%	0.026%
54	5.812	5.782	5.850	VV	216	6014	0.13%	0.027%
55	5.864	5.850	5.884	VV	313	3660	0.08%	0.016%
56	5.907	5.884	5.968	VV	507	11716	0.25%	0.052%
57	6.027	5.968	6.048	VV	1290	22392	0.48%	0.099%
58	6.075	6.048	6.121	VV	1708	33188	0.71%	0.146%
59	6.132	6.121	6.153	VV	424	6370	0.14%	0.028%
60	6.164	6.153	6.192	VV	359	6065	0.13%	0.027%
61	6.216	6.192	6.247	VV	387	9596	0.21%	0.042%
62	6.257	6.247	6.324	VV	353	12214	0.26%	0.054%
63	6.347	6.324	6.411	VV	1733	31836	0.68%	0.140%
64	6.420	6.411	6.438	VV	296	4223	0.09%	0.019%
65	6.444	6.438	6.458	VV	291	2946	0.06%	0.013%
66	6.503	6.458	6.552	VV	446	16846	0.36%	0.074%
67	6.574	6.552	6.648	VV	651	15313	0.33%	0.068%
68	6.660	6.648	6.674	VV	126	1736	0.04%	0.008%
69	6.678	6.674	6.686	VV	125	639	0.01%	0.003%
70	6.690	6.686	6.698	VV	95	478	0.01%	0.002%
71	6.712	6.698	6.748	VV	140	3075	0.07%	0.014%
72	6.779	6.748	6.848	VV	202	7248	0.16%	0.032%
73	6.868	6.848	6.886	PV	97	2056	0.04%	0.009%
74	6.895	6.886	6.938	VV	112	2557	0.05%	0.011%
75	6.972	6.938	7.084	VV	772	27743	0.59%	0.122%
76	7.096	7.084	7.100	VV	149	1372	0.03%	0.006%
77	7.114	7.100	7.137	VV	370	4640	0.10%	0.020%
78	7.154	7.137	7.221	VV	1189	19273	0.41%	0.085%
79	7.228	7.221	7.239	VV	221	1926	0.04%	0.008%
80	7.296	7.239	7.314	VV	381	9970	0.21%	0.044%
81	7.328	7.314	7.394	VV	224	7098	0.15%	0.031%
82	7.411	7.394	7.424	VV	588	2802	0.06%	0.012%
83	7.435	7.424	7.470	VV	213	3118	0.07%	0.014%
84	7.488	7.470	7.514	VV	186	2784	0.06%	0.012%
85	7.562	7.514	7.601	VV	164	4837	0.10%	0.021%
86	7.618	7.601	7.630	PV	96	1235	0.03%	0.005%
87	7.648	7.630	7.698	VV	451	8556	0.18%	0.038%
88	7.843	7.814	7.871	VV	595	16033	0.34%	0.071%
89	7.885	7.871	7.902	VV	829	10538	0.23%	0.046%

					rt	Area	Height	%Area	%Height
90	7.913	7.902	7.969	VV	622	9864	0.21%	0.044%	
91	7.982	7.969	7.992	VV	323	2589	0.06%	0.011%	
92	7.998	7.992	8.010	VV	177	1618	0.03%	0.007%	
93	8.020	8.010	8.058	VV	243	5263	0.11%	0.023%	
94	8.196	8.058	8.225	VV	692	41825	0.90%	0.185%	
95	8.268	8.225	8.289	VV	628	16624	0.36%	0.073%	
96	8.302	8.289	8.351	VV	462	9032	0.19%	0.040%	
97	8.362	8.351	8.401	VV	151	3447	0.07%	0.015%	
98	8.423	8.401	8.451	VV	189	3319	0.07%	0.015%	
99	8.455	8.451	8.470	VV	107	660	0.01%	0.003%	
100	8.481	8.470	8.504	PV	113	1304	0.03%	0.006%	
101	8.533	8.504	8.565	PV	453	7610	0.16%	0.034%	
102	8.771	8.725	8.828	VV	912	28112	0.60%	0.124%	
103	8.837	8.828	8.863	VV	215	3723	0.08%	0.016%	
104	8.872	8.863	8.880	VV	171	1594	0.03%	0.007%	
105	8.910	8.880	8.956	VV	862	15988	0.34%	0.071%	
106	9.019	8.956	9.091	VV	1670	50971	1.09%	0.225%	
107	9.098	9.091	9.111	VV	182	2004	0.04%	0.009%	
108	9.130	9.111	9.151	VV	340	5187	0.11%	0.023%	
109	9.183	9.151	9.214	VV	318	7844	0.17%	0.035%	
110	9.229	9.214	9.253	VV	230	3835	0.08%	0.017%	
111	9.264	9.253	9.293	VV	165	2717	0.06%	0.012%	
112	9.312	9.293	9.334	VV	198	3602	0.08%	0.016%	
113	9.355	9.334	9.374	VV	223	3447	0.07%	0.015%	
114	9.388	9.374	9.396	VV	141	1421	0.03%	0.006%	
115	9.420	9.396	9.441	VV	172	3524	0.08%	0.016%	
116	9.507	9.441	9.526	VV	403	14443	0.31%	0.064%	
117	9.537	9.526	9.558	VV	251	4228	0.09%	0.019%	
118	9.574	9.558	9.608	VV	307	7389	0.16%	0.033%	
119	9.619	9.608	9.664	VV	256	6615	0.14%	0.029%	
120	9.678	9.664	9.704	VV	257	4346	0.09%	0.019%	
121	9.778	9.704	9.888	VV	43787	499765	10.72%	2.205%	
122	9.906	9.888	9.938	VV	372	6842	0.15%	0.030%	
123	9.952	9.938	9.988	VV	131	2795	0.06%	0.012%	
124	9.992	9.988	9.997	VV	219	825	0.02%	0.004%	
125	10.015	9.997	10.041	VV	312	5319	0.11%	0.023%	
126	10.050	10.041	10.098	VV	160	3703	0.08%	0.016%	
127	10.105	10.098	10.139	VV	90	1401	0.03%	0.006%	
128	10.152	10.139	10.174	VV	75	965	0.02%	0.004%	
129	10.183	10.174	10.197	PV	86	917	0.02%	0.004%	
130	10.212	10.197	10.222	VV	80	894	0.02%	0.004%	
131	10.252	10.222	10.313	PV	9956	111900	2.40%	0.494%	
132	10.348	10.313	10.438	VV	682	24433	0.52%	0.108%	
133	10.462	10.438	10.470	VV	225	3954	0.08%	0.017%	
134	10.481	10.470	10.493	VV	253	2801	0.06%	0.012%	
135	10.511	10.493	10.524	VV	400	4956	0.11%	0.022%	
136	10.544	10.524	10.579	VV	383	8536	0.18%	0.038%	
137	10.602	10.579	10.626	VV	388	6594	0.14%	0.029%	
138	10.649	10.626	10.664	VV	361	5085	0.11%	0.022%	
139	10.671	10.664	10.688	VV	144	1506	0.03%	0.007%	
140	10.744	10.688	10.768	VV	911	16861	0.36%	0.074%	
141	10.784	10.768	10.819	VV	231	5693	0.12%	0.025%	

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142	10.839	10.819	10.879	VV	276	5944	0.13%	0.026%
143	10.927	10.879	11.010	VV	1388	34167	0.73%	0.151%
144	11.043	11.010	11.063	VV	575	10110	0.22%	0.045%
145	11.077	11.063	11.121	VV	264	6173	0.13%	0.027%
146	11.128	11.121	11.143	VV	150	1628	0.03%	0.007%
147	11.156	11.143	11.191	VV	132	2166	0.05%	0.010%
148	11.217	11.191	11.247	PV	118	2133	0.05%	0.009%
149	11.282	11.247	11.306	PV	557	7942	0.17%	0.035%
150	11.353	11.306	11.401	VV	440	11234	0.24%	0.050%
151	11.433	11.401	11.471	VV	771	15831	0.34%	0.070%
152	11.514	11.471	11.531	VV	457	9763	0.21%	0.043%
153	11.545	11.531	11.577	VV	310	6353	0.14%	0.028%
154	11.627	11.577	11.641	VV	592	11536	0.25%	0.051%
155	11.678	11.641	11.753	VV	425978	4664104	100.00%	20.576%
156	11.774	11.753	11.796	VV	969	17094	0.37%	0.075%
157	11.808	11.796	11.823	VV	565	7039	0.15%	0.031%
158	11.838	11.823	11.885	VV	554	10790	0.23%	0.048%
159	11.902	11.885	11.931	VV	214	4828	0.10%	0.021%
160	11.971	11.931	11.984	VV	285	7027	0.15%	0.031%
161	12.014	11.984	12.040	VV	508	11688	0.25%	0.052%
162	12.069	12.040	12.096	VV	381	10276	0.22%	0.045%
163	12.124	12.096	12.217	VV	1140	43519	0.93%	0.192%
164	12.269	12.217	12.340	VV	43083	533790	11.44%	2.355%
165	12.355	12.340	12.370	VV	1308	20406	0.44%	0.090%
166	12.386	12.370	12.458	VV	1396	45970	0.99%	0.203%
167	12.475	12.458	12.491	VV	791	13846	0.30%	0.061%
168	12.500	12.491	12.530	VV	756	13447	0.29%	0.059%
169	12.542	12.530	12.571	VV	483	10863	0.23%	0.048%
170	12.602	12.571	12.640	VV	875	23784	0.51%	0.105%
171	12.661	12.640	12.681	VV	910	16440	0.35%	0.073%
172	12.693	12.681	12.706	VV	564	7339	0.16%	0.032%
173	12.748	12.706	12.801	VV	2061	53788	1.15%	0.237%
174	12.811	12.801	12.829	VV	495	6933	0.15%	0.031%
175	12.839	12.829	12.854	VV	444	5864	0.13%	0.026%
176	12.873	12.854	12.904	VV	505	12473	0.27%	0.055%
177	12.917	12.904	12.942	VV	530	9933	0.21%	0.044%
178	12.954	12.942	12.972	VV	470	7801	0.17%	0.034%
179	12.988	12.972	13.002	VV	486	8096	0.17%	0.036%
180	13.023	13.002	13.041	VV	660	12416	0.27%	0.055%
181	13.068	13.041	13.077	VV	1406	20242	0.43%	0.089%
182	13.113	13.077	13.178	VV	289735	3540152	75.90%	15.618%
183	13.228	13.178	13.257	VV	620	23770	0.51%	0.105%
184	13.277	13.257	13.304	VV	736	16310	0.35%	0.072%
185	13.325	13.304	13.336	VV	618	10787	0.23%	0.048%
186	13.364	13.336	13.374	VV	743	15139	0.32%	0.067%
187	13.399	13.374	13.429	VV	922	25281	0.54%	0.112%
188	13.472	13.429	13.487	VV	1059	28980	0.62%	0.128%
189	13.508	13.487	13.541	VV	4176	71725	1.54%	0.316%
190	13.558	13.541	13.591	VV	2221	43745	0.94%	0.193%
191	13.614	13.591	13.667	VV	1171	38654	0.83%	0.171%
192	13.717	13.667	13.745	VV	869	34915	0.75%	0.154%
193	13.816	13.745	13.848	VV	3758	78871	1.69%	0.348%
194	13.862	13.848	13.882	VV	990	17303	0.37%	0.076%

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195	13.903	13.882	13.944	VV	887	29921	0.64%	0.132%
196	13.991	13.944	14.046	VV	2254	67537	1.45%	0.298%
197	14.102	14.046	14.128	VV	952	41100	0.88%	0.181%
198	14.141	14.128	14.150	VV	913	11416	0.24%	0.050%
199	14.185	14.150	14.201	VV	913	27009	0.58%	0.119%
200	14.220	14.201	14.237	VV	1308	23678	0.51%	0.104%
201	14.259	14.237	14.279	VV	1532	33187	0.71%	0.146%
202	14.300	14.279	14.324	VV	1940	38374	0.82%	0.169%
203	14.362	14.324	14.407	VV	1153	49438	1.06%	0.218%
204	14.433	14.407	14.472	VV	1754	49506	1.06%	0.218%
205	14.489	14.472	14.517	VV	1326	32631	0.70%	0.144%
206	14.554	14.517	14.572	VV	1597	43701	0.94%	0.193%
207	14.581	14.572	14.618	VV	1239	30725	0.66%	0.136%
208	14.648	14.618	14.678	VV	1623	45659	0.98%	0.201%
209	14.702	14.678	14.727	VV	1322	36250	0.78%	0.160%
210	14.742	14.727	14.757	VV	1366	22529	0.48%	0.099%
211	14.768	14.757	14.793	VV	1216	24952	0.53%	0.110%
212	14.820	14.793	14.841	VV	1305	33530	0.72%	0.148%
213	14.863	14.841	14.882	VV	1198	27216	0.58%	0.120%
214	14.928	14.882	14.952	VV	2494	66221	1.42%	0.292%
215	14.966	14.952	14.984	VV	1470	26103	0.56%	0.115%
216	15.014	14.984	15.044	VV	1880	48405	1.04%	0.214%
217	15.071	15.044	15.094	VV	1090	31694	0.68%	0.140%
218	15.108	15.094	15.135	VV	1061	23894	0.51%	0.105%
219	15.163	15.135	15.194	VV	1248	36480	0.78%	0.161%
220	15.217	15.194	15.254	VV	1167	36389	0.78%	0.161%
221	15.288	15.254	15.310	VV	975	30117	0.65%	0.133%
222	15.350	15.310	15.421	VV	9263	211843	4.54%	0.935%
223	15.431	15.421	15.464	VV	1009	23586	0.51%	0.104%
224	15.491	15.464	15.527	VV	1291	38832	0.83%	0.171%
225	15.568	15.527	15.598	VV	1861	44580	0.96%	0.197%
226	15.620	15.598	15.648	VV	729	18412	0.39%	0.081%
227	15.671	15.648	15.704	VV	630	18917	0.41%	0.083%
228	15.728	15.704	15.744	VV	577	12248	0.26%	0.054%
229	15.761	15.744	15.783	VV	598	11667	0.25%	0.051%
230	15.802	15.783	15.841	VV	757	19616	0.42%	0.087%
231	15.875	15.841	15.895	VV	603	15922	0.34%	0.070%
232	15.907	15.895	15.948	VV	486	12322	0.26%	0.054%
233	15.954	15.948	15.971	VV	383	5167	0.11%	0.023%
234	15.992	15.971	16.039	VV	926	18903	0.41%	0.083%
235	16.049	16.039	16.082	VV	319	6321	0.14%	0.028%
236	16.130	16.082	16.144	VV	243	6609	0.14%	0.029%
237	16.183	16.144	16.254	VV	686	17673	0.38%	0.078%
238	16.291	16.254	16.301	VV	161	3031	0.06%	0.013%
239	16.332	16.301	16.345	VV	354	5955	0.13%	0.026%
240	16.370	16.345	16.402	VV	969	18800	0.40%	0.083%
241	16.411	16.402	16.449	VV	321	8062	0.17%	0.036%
242	16.474	16.449	16.528	VV	1014	17309	0.37%	0.076%
243	16.556	16.528	16.588	VV	603	9576	0.21%	0.042%
244	16.632	16.588	16.653	PV	227	5859	0.13%	0.026%
245	16.673	16.653	16.699	VV	464	6682	0.14%	0.029%
246	16.744	16.699	16.761	VV	180	3495	0.07%	0.015%

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247	16.791	16.761	16.816	VV	427	5590	0.12%	0.025%
248	16.851	16.816	16.888	VV	266	6289	0.13%	0.028%
249	16.942	16.888	16.964	VV	1373	24111	0.52%	0.106%
250	16.993	16.964	17.053	VV	6016	89493	1.92%	0.395%
251	17.086	17.053	17.114	PV	177	3625	0.08%	0.016%
252	17.150	17.114	17.174	VV	328	6850	0.15%	0.030%
253	17.184	17.174	17.215	VV	152	2868	0.06%	0.013%
254	17.289	17.215	17.298	VV	448	8678	0.19%	0.038%
255	17.324	17.298	17.345	VV	547	9113	0.20%	0.040%
256	17.393	17.345	17.431	VV	2366	35519	0.76%	0.157%
257	17.478	17.431	17.496	PV	205	4103	0.09%	0.018%
258	17.557	17.496	17.580	VV	223	6788	0.15%	0.030%
259	17.620	17.580	17.639	VV	217	4636	0.10%	0.020%
260	17.676	17.639	17.691	VV	174	2457	0.05%	0.011%
261	17.716	17.691	17.744	VV	277	4863	0.10%	0.021%
262	17.787	17.744	17.805	VV	641	12197	0.26%	0.054%
263	17.831	17.805	17.860	VV	2744	38259	0.82%	0.169%
264	17.923	17.860	17.943	PV	846	16757	0.36%	0.074%
265	17.952	17.943	17.976	VV	283	4325	0.09%	0.019%
266	18.067	17.976	18.095	VV	375	13661	0.29%	0.060%
267	18.107	18.095	18.130	VV	144	2105	0.05%	0.009%
268	18.196	18.130	18.231	PV	4259	89298	1.91%	0.394%
269	18.254	18.231	18.288	VV	3236	50534	1.08%	0.223%
270	18.355	18.288	18.389	VV	620	14104	0.30%	0.062%
271	18.397	18.389	18.404	VV	117	1255	0.03%	0.006%
272	18.466	18.404	18.494	VV	415	10678	0.23%	0.047%
273	18.520	18.494	18.531	VV	225	4112	0.09%	0.018%
274	18.568	18.531	18.587	VV	330	5746	0.12%	0.025%
275	18.664	18.587	18.714	VV	3189	60384	1.29%	0.266%
276	18.766	18.714	18.828	VV	816	33174	0.71%	0.146%
277	19.026	18.828	19.048	VV	4667	137591	2.95%	0.607%
278	19.066	19.048	19.116	VV	4077	103450	2.22%	0.456%
279	19.164	19.116	19.218	VV	1456	67445	1.45%	0.298%
280	19.261	19.218	19.288	VV	1607	53556	1.15%	0.236%
281	19.317	19.288	19.337	VV	1413	37860	0.81%	0.167%
282	19.371	19.337	19.389	VV	1322	38506	0.83%	0.170%
283	19.451	19.389	19.481	VV	3633	106198	2.28%	0.469%
284	19.557	19.481	19.588	VV	2272	114176	2.45%	0.504%
285	19.629	19.588	19.651	VV	2481	78714	1.69%	0.347%
286	19.676	19.651	19.688	VV	2109	45514	0.98%	0.201%
287	19.743	19.688	19.763	VV	2437	99883	2.14%	0.441%
288	19.826	19.763	19.851	VV	4401	159353	3.42%	0.703%
289	19.862	19.851	19.884	VV	2989	57666	1.24%	0.254%
290	19.932	19.884	19.964	VV	3370	150554	3.23%	0.664%
291	20.081	19.964	20.104	VV	4155	313863	6.73%	1.385%
292	20.145	20.104	20.154	VV	4120	120253	2.58%	0.531%
293	20.193	20.154	20.222	VV	5550	191745	4.11%	0.846%
294	20.291	20.222	20.310	VV	4988	246657	5.29%	1.088%
295	20.358	20.310	20.394	VV	6170	272278	5.84%	1.201%
296	20.475	20.394	20.483	VV	6702	324835	6.96%	1.433%
297	20.501	20.483	20.535	VV	6817	202199	4.34%	0.892%
298	20.555	20.535	20.600	VV	6259	224882	4.82%	0.992%
299	20.613	20.600	20.643	VV	5223	132817	2.85%	0.586%

					rteres			
300	20.667	20.643	20.706	VV	5346	191427	4.10%	0.844%
301	20.751	20.706	20.803	VV	4940	277749	5.96%	1.225%
302	20.822	20.803	20.841	VV	4448	100167	2.15%	0.442%
303	20.870	20.841	20.901	VV	4389	153279	3.29%	0.676%
304	20.960	20.901	21.028	VV	4570	311558	6.68%	1.374%
305	21.038	21.028	21.049	VV	3630	46646	1.00%	0.206%
306	21.069	21.049	21.127	VV	3605	160135	3.43%	0.706%
307	21.217	21.127	21.231	VV	3252	202651	4.34%	0.894%
308	21.271	21.231	21.348	VV	3315	214194	4.59%	0.945%
309	21.377	21.348	21.387	VV	3062	70121	1.50%	0.309%
310	21.407	21.387	21.497	VV	3262	180299	3.87%	0.795%
311	21.563	21.497	21.576	VV	2491	112561	2.41%	0.497%
312	21.581	21.576	21.634	VV	2442	75336	1.62%	0.332%
313	21.699	21.634	21.724	VV	2048	105709	2.27%	0.466%
314	21.755	21.724	21.808	VV	1869	85642	1.84%	0.378%
315	21.878	21.808	21.891	VV	1566	75168	1.61%	0.332%
316	21.894	21.891	21.901	VV	1534	8899	0.19%	0.039%
317	21.917	21.901	22.041	VV	1659	79032	1.69%	0.349%
318	22.116	22.041	22.192	VV	481	28962	0.62%	0.128%
Sum of corrected areas:					22667615			

Aliphatic EPH 061825.M Tue Jul 01 05:54:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054620.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 18:55
 Operator : YP\AJ
 Sample : Q2431-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 S-3

Integration File: autoint1.e
 Quant Time: Jun 28 01:47:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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)	12.065	5194786	31.989 ug/ml
Spiked Amount 50.000		Recovery =	63.98%
12) S 1-chlorooctadecane (S...	13.501	4064825	32.185 ug/ml
Spiked Amount 50.000		Recovery =	64.37%

Target Compounds

(f)=RT Delta > 1/2 Window

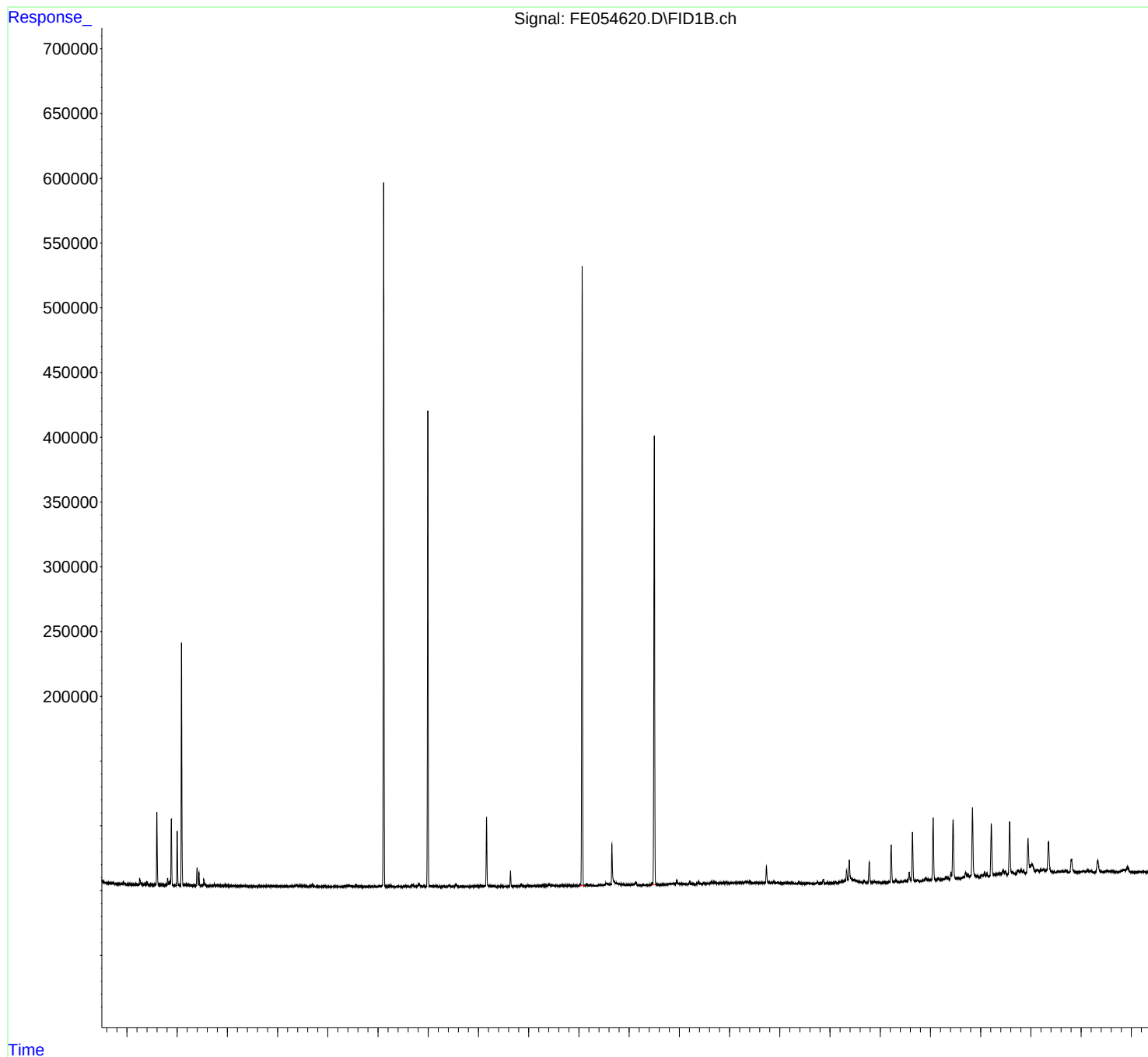
(m)=manual int.

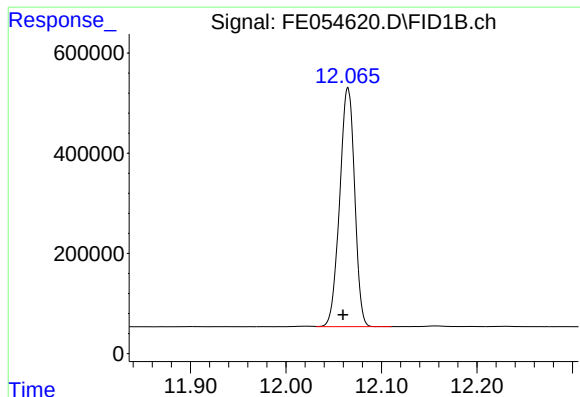
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054620.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 18:55
Operator : YP\AJ
Sample : Q2431-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-3

Integration File: autoint1.e
Quant Time: Jun 28 01:47:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

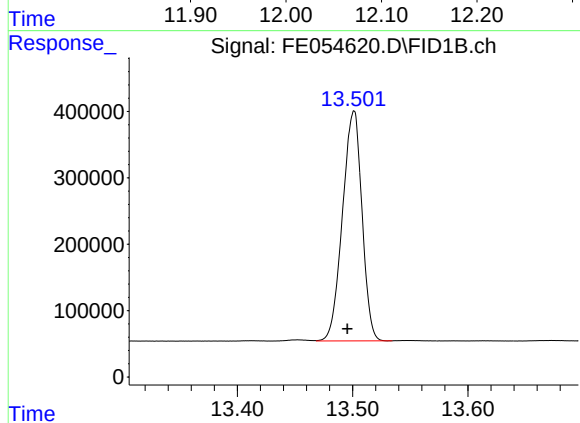




#9 ortho-Terphenyl (SURR)

R.T.: 12.065 min
Delta R.T.: 0.005 min
Response: 5194786
Conc: 31.99 ug/ml

Instrument :
FID_E
ClientSampleId :
S-3



#12 1-chlorooctadecane (SURR)

R.T.: 13.501 min
Delta R.T.: 0.005 min
Response: 4064825
Conc: 32.19 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054620.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 18:55
 Sample : Q2431-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	2.832	2.804	2.866	BV	127	1594	0.03%	0.006%
2	2.881	2.866	2.901	PV	443	3897	0.07%	0.014%
3	2.912	2.901	2.920	PV	623	4815	0.09%	0.017%
4	2.932	2.920	3.019	VV	1544	29240	0.56%	0.104%
5	3.031	3.019	3.101	VV	133	5514	0.11%	0.020%
6	3.122	3.101	3.141	PV	269	2966	0.06%	0.011%
7	3.164	3.141	3.230	VV	226	4705	0.09%	0.017%
8	3.254	3.230	3.334	PV	4402	70076	1.34%	0.248%
9	3.353	3.334	3.378	VV	630	11352	0.22%	0.040%
10	3.398	3.378	3.461	VV	2470	30713	0.59%	0.109%
11	3.466	3.461	3.520	VV	137	3463	0.07%	0.012%
12	3.559	3.520	3.573	VV	636	10186	0.19%	0.036%
13	3.596	3.573	3.698	VV	56382	533806	10.21%	1.890%
14	3.712	3.698	3.761	VV	287	9551	0.18%	0.034%
15	3.775	3.761	3.791	VV	407	5321	0.10%	0.019%
16	3.809	3.791	3.837	VV	5490	65808	1.26%	0.233%
17	3.852	3.837	3.864	VV	3013	32639	0.62%	0.116%
18	3.884	3.864	3.944	VV	50968	477514	9.14%	1.691%
19	4.001	3.944	4.060	VV	41641	378933	7.25%	1.342%
20	4.087	4.060	4.164	PV	182776	1677135	32.08%	5.938%
21	4.190	4.164	4.208	VV	699	13903	0.27%	0.049%
22	4.216	4.208	4.291	VV	660	18146	0.35%	0.064%
23	4.302	4.291	4.312	VV	235	2552	0.05%	0.009%
24	4.324	4.312	4.368	VV	312	7054	0.13%	0.025%
25	4.397	4.368	4.417	VV	13684	165273	3.16%	0.585%
26	4.433	4.417	4.468	VV	10239	101995	1.95%	0.361%
27	4.473	4.468	4.487	VV	246	2571	0.05%	0.009%
28	4.531	4.487	4.549	VV	4558	49092	0.94%	0.174%
29	4.557	4.549	4.631	VV	1121	15080	0.29%	0.053%
30	4.637	4.631	4.655	VV	215	2163	0.04%	0.008%
31	4.671	4.655	4.688	VV	370	4410	0.08%	0.016%
32	4.740	4.688	4.769	VV	1275	21649	0.41%	0.077%
33	4.792	4.769	4.835	VV	1016	15770	0.30%	0.056%
34	4.856	4.835	4.878	VV	447	6322	0.12%	0.022%
35	4.895	4.878	4.931	VV	455	8229	0.16%	0.029%
36	4.953	4.931	4.974	VV	820	10720	0.21%	0.038%

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37	4.995	4.974	5.028	VV	263	6700	0.13%	0.024%
38	5.051	5.028	5.072	VV	304	5379	0.10%	0.019%
39	5.100	5.072	5.254	VV	297	15300	0.29%	0.054%
40	5.270	5.254	5.288	VV	188	2858	0.05%	0.010%
41	5.312	5.288	5.331	VV	501	6686	0.13%	0.024%
42	5.357	5.331	5.401	VV	319	6997	0.13%	0.025%
43	5.417	5.401	5.469	VV	230	3457	0.07%	0.012%
44	5.489	5.469	5.529	PV	181	3550	0.07%	0.013%
45	5.575	5.529	5.601	VV	209	3725	0.07%	0.013%
46	5.625	5.601	5.702	VV	444	7918	0.15%	0.028%
47	5.723	5.702	5.792	PV	184	4685	0.09%	0.017%
48	5.811	5.792	5.835	VV	186	3034	0.06%	0.011%
49	5.868	5.835	5.893	VV	521	8168	0.16%	0.029%
50	5.941	5.893	5.970	VV	337	8066	0.15%	0.029%
51	5.992	5.970	6.051	VV	279	8682	0.17%	0.031%
52	6.091	6.051	6.167	VV	283	12211	0.23%	0.043%
53	6.188	6.167	6.214	VV	173	3522	0.07%	0.012%
54	6.227	6.214	6.241	VV	153	2048	0.04%	0.007%
55	6.255	6.241	6.284	VV	216	4511	0.09%	0.016%
56	6.299	6.284	6.310	VV	220	2480	0.05%	0.009%
57	6.330	6.310	6.344	VV	374	5894	0.11%	0.021%
58	6.384	6.344	6.429	VV	1624	39150	0.75%	0.139%
59	6.438	6.429	6.454	VV	461	5865	0.11%	0.021%
60	6.555	6.454	6.667	VV	584	48282	0.92%	0.171%
61	6.687	6.667	6.811	VV	1804	30401	0.58%	0.108%
62	6.833	6.811	6.897	VV	225	6411	0.12%	0.023%
63	6.935	6.897	6.978	VV	749	11373	0.22%	0.040%
64	6.987	6.978	7.054	VV	126	2204	0.04%	0.008%
65	7.094	7.054	7.124	PV	142	4849	0.09%	0.017%
66	7.143	7.124	7.193	VV	182	4384	0.08%	0.016%
67	7.222	7.193	7.271	VV	123	3666	0.07%	0.013%
68	7.325	7.271	7.347	VV	676	11806	0.23%	0.042%
69	7.395	7.347	7.521	VV	710	50012	0.96%	0.177%
70	7.556	7.521	7.644	VV	606	20361	0.39%	0.072%
71	7.663	7.644	7.721	VV	299	6290	0.12%	0.022%
72	7.745	7.721	7.771	VV	159	3433	0.07%	0.012%
73	7.787	7.771	7.844	VV	172	3788	0.07%	0.013%
74	7.865	7.844	7.924	VV	139	3719	0.07%	0.013%
75	7.957	7.924	7.981	VV	215	4287	0.08%	0.015%
76	8.030	7.981	8.054	VV	703	13036	0.25%	0.046%
77	8.209	8.181	8.244	VV	565	15911	0.30%	0.056%
78	8.257	8.244	8.375	VV	899	15870	0.30%	0.056%
79	8.419	8.375	8.437	PV	98	2328	0.04%	0.008%
80	8.456	8.437	8.474	VV	97	1572	0.03%	0.006%
81	8.574	8.474	8.631	VV	458	17230	0.33%	0.061%
82	8.686	8.631	8.768	VV	1267	43441	0.83%	0.154%
83	8.816	8.768	8.889	VV	1753	49471	0.95%	0.175%
84	8.914	8.889	8.958	VV	695	10926	0.21%	0.039%
85	9.155	9.092	9.261	VV	635	16711	0.32%	0.059%
86	9.292	9.261	9.348	VV	446	8108	0.16%	0.029%
87	9.412	9.348	9.470	VV	1120	24360	0.47%	0.086%
88	9.551	9.470	9.658	VV	1847	44951	0.86%	0.159%
89	9.701	9.658	9.817	VV	414	13895	0.27%	0.049%

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90	9.843	9.817	9.874	PV	257	4957	0.09%	0.018%
91	9.896	9.874	9.926	VV	247	5487	0.10%	0.019%
92	9.968	9.926	9.996	VV	389	9550	0.18%	0.034%
93	10.044	9.996	10.094	VV	660	16652	0.32%	0.059%
94	10.161	10.094	10.207	VV	53095	572298	10.95%	2.026%
95	10.223	10.207	10.271	VV	520	12466	0.24%	0.044%
96	10.293	10.271	10.377	VV	487	17163	0.33%	0.061%
97	10.398	10.377	10.428	VV	256	4921	0.09%	0.017%
98	10.464	10.428	10.528	VV	196	6984	0.13%	0.025%
99	10.551	10.528	10.608	PV	178	3899	0.07%	0.014%
100	10.638	10.608	10.703	PV	11691	121821	2.33%	0.431%
101	10.732	10.703	10.794	VV	430	8853	0.17%	0.031%
102	10.850	10.794	10.928	VV	1578	32586	0.62%	0.115%
103	10.987	10.928	11.005	VV	766	15182	0.29%	0.054%
104	11.022	11.005	11.072	VV	412	9557	0.18%	0.034%
105	11.133	11.072	11.156	VV	431	10630	0.20%	0.038%
106	11.172	11.156	11.204	VV	293	4316	0.08%	0.015%
107	11.315	11.204	11.354	VV	728	31237	0.60%	0.111%
108	11.408	11.354	11.544	VV	1833	68563	1.31%	0.243%
109	11.561	11.544	11.644	VV	406	15749	0.30%	0.056%
110	11.669	11.644	11.691	VV	706	10835	0.21%	0.038%
111	11.738	11.691	11.794	VV	560	15816	0.30%	0.056%
112	11.820	11.794	11.863	PV	692	11500	0.22%	0.041%
113	11.902	11.863	11.958	VV	438	11050	0.21%	0.039%
114	12.065	11.958	12.118	VV	479250	5227165	100.00%	18.508%
115	12.157	12.118	12.211	VV	1642	35756	0.68%	0.127%
116	12.229	12.211	12.338	VV	863	18168	0.35%	0.064%
117	12.401	12.338	12.424	VV	515	12169	0.23%	0.043%
118	12.457	12.424	12.481	VV	632	17650	0.34%	0.062%
119	12.539	12.481	12.618	VV	1826	89916	1.72%	0.318%
120	12.658	12.618	12.829	VV	30491	541080	10.35%	1.916%
121	12.845	12.829	12.947	VV	1049	54888	1.05%	0.194%
122	12.990	12.947	13.022	VV	930	25357	0.49%	0.090%
123	13.050	13.022	13.098	VV	1108	31557	0.60%	0.112%
124	13.135	13.098	13.238	VV	2369	67788	1.30%	0.240%
125	13.260	13.238	13.291	VV	371	8365	0.16%	0.030%
126	13.308	13.291	13.348	VV	297	6561	0.13%	0.023%
127	13.412	13.348	13.428	VV	644	13751	0.26%	0.049%
128	13.500	13.428	13.601	VV	349854	4128150	78.97%	14.617%
129	13.615	13.601	13.640	VV	506	8139	0.16%	0.029%
130	13.672	13.640	13.724	VV	922	25197	0.48%	0.089%
131	13.741	13.724	13.754	VV	536	7368	0.14%	0.026%
132	13.807	13.754	13.831	VV	1031	36931	0.71%	0.131%
133	13.874	13.831	13.914	VV	1317	53039	1.01%	0.188%
134	13.947	13.914	13.978	VV	3762	72069	1.38%	0.255%
135	13.998	13.978	14.038	VV	1354	37221	0.71%	0.132%
136	14.055	14.038	14.157	VV	1201	58474	1.12%	0.207%
137	14.204	14.157	14.234	VV	2862	53096	1.02%	0.188%
138	14.252	14.234	14.323	VV	1015	36673	0.70%	0.130%
139	14.381	14.323	14.446	VV	2413	76905	1.47%	0.272%
140	14.487	14.446	14.530	VV	1248	47743	0.91%	0.169%
141	14.642	14.530	14.666	VV	2453	96511	1.85%	0.342%

					rteres			
142	14.688	14.666	14.794	VV	2289	100103	1.92%	0.354%
143	14.817	14.794	14.871	VV	1490	58846	1.13%	0.208%
144	14.888	14.871	14.911	VV	1460	30782	0.59%	0.109%
145	14.944	14.911	15.001	VV	1739	69333	1.33%	0.245%
146	15.050	15.001	15.070	VV	1458	48034	0.92%	0.170%
147	15.105	15.070	15.181	VV	1356	80262	1.54%	0.284%
148	15.199	15.181	15.231	VV	1413	36670	0.70%	0.130%
149	15.251	15.231	15.278	VV	1251	33320	0.64%	0.118%
150	15.315	15.278	15.338	VV	2362	63294	1.21%	0.224%
151	15.355	15.338	15.377	VV	2041	40564	0.78%	0.144%
152	15.402	15.377	15.480	VV	2804	89858	1.72%	0.318%
153	15.505	15.480	15.531	VV	1158	31768	0.61%	0.112%
154	15.553	15.531	15.580	VV	1341	33132	0.63%	0.117%
155	15.615	15.580	15.644	VV	1049	39931	0.76%	0.141%
156	15.735	15.644	15.851	VV	13706	292020	5.59%	1.034%
157	15.878	15.851	15.918	VV	1686	49041	0.94%	0.174%
158	15.960	15.918	15.989	VV	1519	43883	0.84%	0.155%
159	16.006	15.989	16.037	VV	786	19241	0.37%	0.068%
160	16.061	16.037	16.082	VV	649	16019	0.31%	0.057%
161	16.112	16.082	16.128	VV	909	19886	0.38%	0.070%
162	16.150	16.128	16.174	VV	1121	22798	0.44%	0.081%
163	16.190	16.174	16.219	VV	937	17972	0.34%	0.064%
164	16.249	16.219	16.281	VV	835	20483	0.39%	0.073%
165	16.301	16.281	16.350	VV	369	13657	0.26%	0.048%
166	16.379	16.350	16.421	VV	1915	31307	0.60%	0.111%
167	16.442	16.421	16.498	VV	529	9891	0.19%	0.035%
168	16.563	16.498	16.641	VV	515	18833	0.36%	0.067%
169	16.748	16.641	16.782	PV	1733	31788	0.61%	0.113%
170	16.864	16.782	16.921	PV	3313	56376	1.08%	0.200%
171	16.945	16.921	16.988	VV	1165	18154	0.35%	0.064%
172	17.062	16.988	17.081	VV	691	18360	0.35%	0.065%
173	17.109	17.081	17.158	VV	968	24321	0.47%	0.086%
174	17.234	17.158	17.254	VV	1595	61009	1.17%	0.216%
175	17.331	17.254	17.354	VV	10390	219068	4.19%	0.776%
176	17.383	17.354	17.561	VV	17906	522230	9.99%	1.849%
177	17.573	17.561	17.644	VV	1292	41821	0.80%	0.148%
178	17.677	17.644	17.744	VV	1959	43714	0.84%	0.155%
179	17.781	17.744	17.823	VV	15969	230255	4.40%	0.815%
180	17.871	17.823	17.928	VV	739	35825	0.69%	0.127%
181	17.945	17.928	17.983	VV	634	13675	0.26%	0.048%
182	18.004	17.983	18.034	VV	309	4563	0.09%	0.016%
183	18.064	18.034	18.084	PV	297	3986	0.08%	0.014%
184	18.098	18.084	18.144	VV	177	1841	0.04%	0.007%
185	18.218	18.144	18.281	PV	28927	421678	8.07%	1.493%
186	18.308	18.281	18.371	VV	1709	32007	0.61%	0.113%
187	18.494	18.371	18.520	PV	990	32427	0.62%	0.115%
188	18.575	18.520	18.607	VV	7423	141472	2.71%	0.501%
189	18.642	18.607	18.711	VV	38044	556175	10.64%	1.969%
190	18.740	18.711	18.807	VV	1183	25144	0.48%	0.089%
191	18.906	18.807	18.931	PV	2406	59050	1.13%	0.209%
192	18.952	18.931	19.011	VV	1335	37580	0.72%	0.133%
193	19.053	19.011	19.114	VV	48921	698162	13.36%	2.472%
194	19.154	19.114	19.214	VV	1468	37347	0.71%	0.132%

					rteres			
195	19.308	19.214	19.335	VV	2555	63900	1.22%	0.226%
196	19.354	19.335	19.378	VV	1480	20695	0.40%	0.073%
197	19.451	19.378	19.511	VV	45569	799793	15.30%	2.832%
198	19.547	19.511	19.601	VV	1309	38744	0.74%	0.137%
199	19.648	19.601	19.663	VV	1449	35942	0.69%	0.127%
200	19.700	19.663	19.724	VV	4943	104468	2.00%	0.370%
201	19.744	19.724	19.778	VV	3466	75922	1.45%	0.269%
202	19.837	19.778	19.918	VV	54481	939195	17.97%	3.325%
203	19.936	19.918	19.968	VV	1555	33569	0.64%	0.119%
204	20.024	19.968	20.045	VV	1938	59172	1.13%	0.210%
205	20.076	20.045	20.100	VV	4344	88149	1.69%	0.312%
206	20.123	20.100	20.164	VV	3534	73967	1.42%	0.262%
207	20.212	20.164	20.291	VV	41041	696093	13.32%	2.465%
208	20.312	20.291	20.341	VV	2628	65898	1.26%	0.233%
209	20.393	20.341	20.413	VV	2779	105488	2.02%	0.374%
210	20.444	20.413	20.469	VV	5206	121592	2.33%	0.431%
211	20.489	20.469	20.521	VV	4310	87755	1.68%	0.311%
212	20.577	20.521	20.621	VV	42080	725507	13.88%	2.569%
213	20.638	20.621	20.684	VV	2928	88808	1.70%	0.314%
214	20.742	20.684	20.777	VV	4474	166248	3.18%	0.589%
215	20.804	20.777	20.830	VV	4257	114113	2.18%	0.404%
216	20.851	20.830	20.884	VV	4169	93082	1.78%	0.330%
217	20.942	20.884	20.981	VV	28452	589602	11.28%	2.088%
218	21.018	20.981	21.088	VV	8409	385291	7.37%	1.364%
219	21.125	21.088	21.166	VV	3881	149810	2.87%	0.530%
220	21.197	21.166	21.221	VV	3711	105381	2.02%	0.373%
221	21.252	21.221	21.291	VV	4208	140482	2.69%	0.497%
222	21.349	21.291	21.433	VV	24789	604621	11.57%	2.141%
223	21.457	21.433	21.486	VV	1549	38354	0.73%	0.136%
224	21.556	21.486	21.594	VV	1852	93894	1.80%	0.332%
225	21.630	21.594	21.658	VV	1734	54987	1.05%	0.195%
226	21.697	21.658	21.757	VV	2169	77094	1.47%	0.273%
227	21.808	21.757	21.917	VV	10601	270320	5.17%	0.957%
228	21.945	21.917	21.971	VV	322	6668	0.13%	0.024%
229	22.060	21.971	22.081	PV	551	25093	0.48%	0.089%
230	22.131	22.081	22.178	VV	919	26155	0.50%	0.093%

Sum of corrected areas: 28242689

Aliphatic EPH 062725.M Sat Jun 28 02:36:31 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054621.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 19:25
 Operator : YP\AJ
 Sample : Q2431-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 S-4

Integration File: autoint1.e
 Quant Time: Jun 28 01:47:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 QLast Update : Fri Jun 27 15:19:13 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)	12.066	5265543	32.425 ug/ml
Spiked Amount 50.000		Recovery =	64.85%
12) S 1-chlorooctadecane (S...	13.501	4071607	32.239 ug/ml
Spiked Amount 50.000		Recovery =	64.48%

Target Compounds

(f)=RT Delta > 1/2 Window

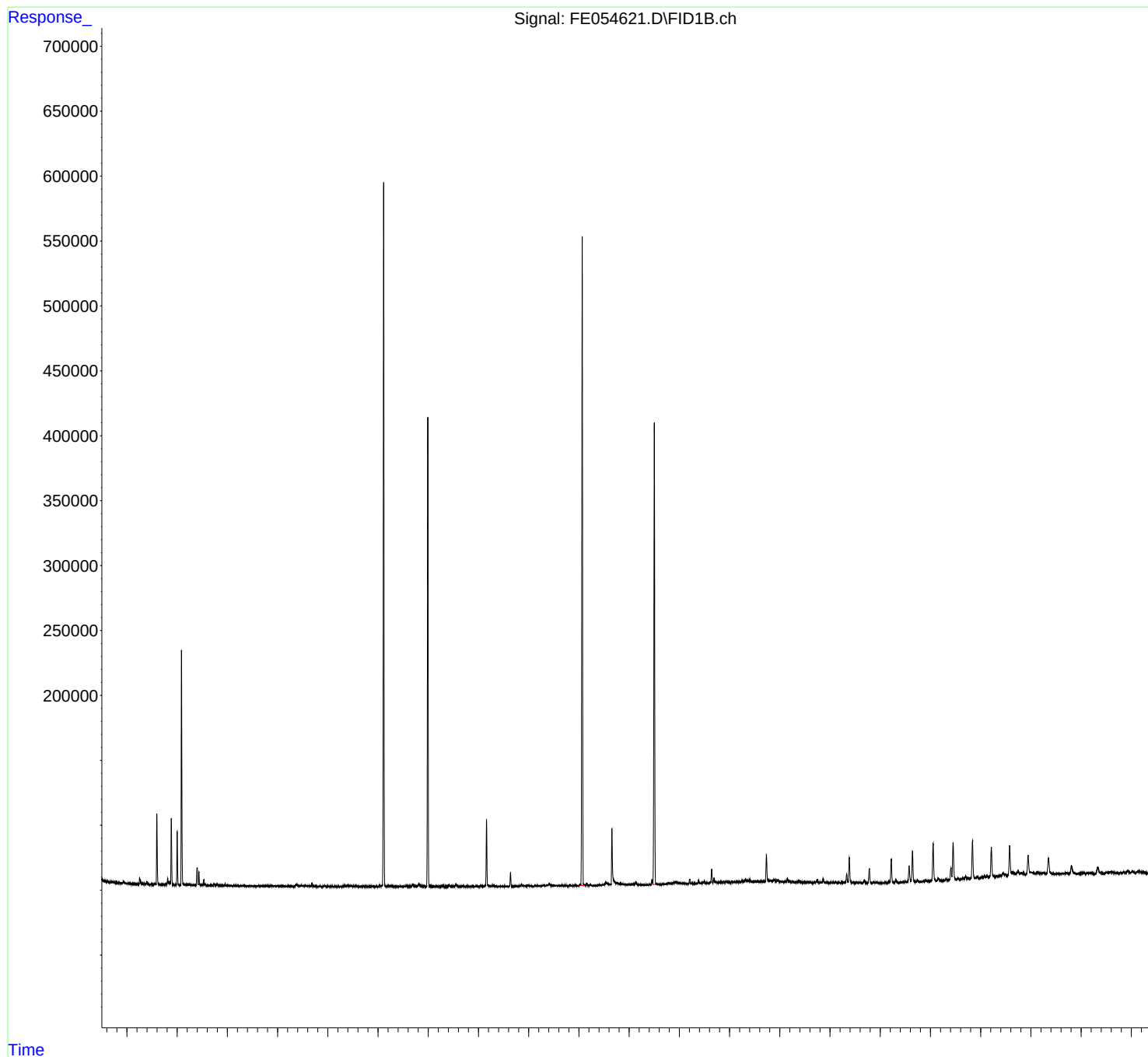
(m)=manual int.

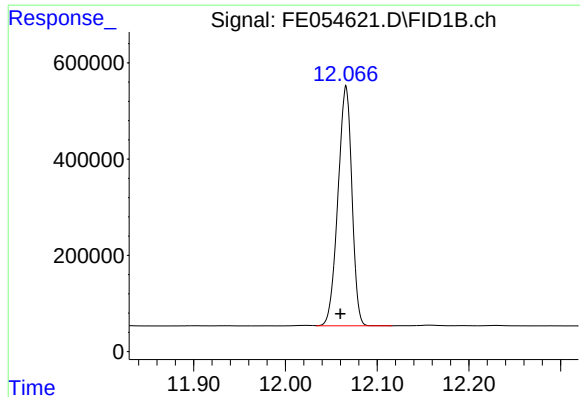
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
Data File : FE054621.D
Signal(s) : FID1B.ch
Acq On : 27 Jun 2025 19:25
Operator : YP\AJ
Sample : Q2431-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
S-4

Integration File: autoint1.e
Quant Time: Jun 28 01:47:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

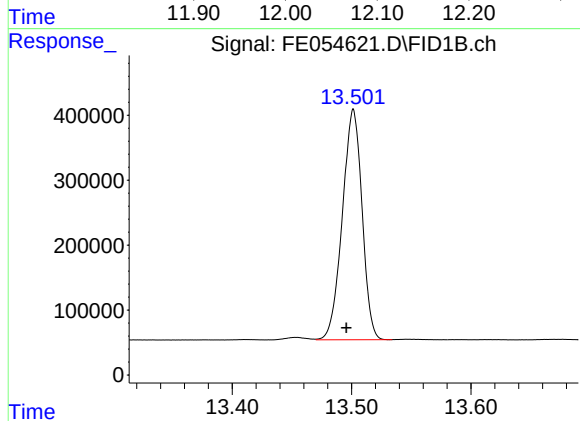




#9 ortho-Terphenyl (SURR)

R.T.: 12.066 min
Delta R.T.: 0.006 min
Response: 5265543
Conc: 32.42 ug/ml

Instrument :
FID_E
ClientSampleId :
S-4



#12 1-chlorooctadecane (SURR)

R.T.: 13.501 min
Delta R.T.: 0.006 min
Response: 4071607
Conc: 32.24 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054621.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 19:25
 Sample : Q2431-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.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	2.833	2.805	2.866	BV	219	2448	0.05%	0.009%
2	2.880	2.866	2.901	PV	423	4295	0.08%	0.016%
3	2.929	2.901	3.018	VV	1903	37017	0.70%	0.136%
4	3.030	3.018	3.100	VV	257	6164	0.12%	0.023%
5	3.121	3.100	3.138	PV	262	2277	0.04%	0.008%
6	3.157	3.138	3.225	VV	234	5546	0.11%	0.020%
7	3.253	3.225	3.330	PV	4508	71836	1.36%	0.264%
8	3.350	3.330	3.378	VV	586	11650	0.22%	0.043%
9	3.399	3.378	3.455	VV	2376	29163	0.55%	0.107%
10	3.472	3.455	3.527	VV	135	3127	0.06%	0.011%
11	3.559	3.527	3.573	VV	562	8732	0.17%	0.032%
12	3.596	3.573	3.697	VV	54576	519088	9.83%	1.907%
13	3.730	3.697	3.765	VV	347	8658	0.16%	0.032%
14	3.777	3.765	3.788	VV	353	3642	0.07%	0.013%
15	3.810	3.788	3.837	VV	4740	60593	1.15%	0.223%
16	3.852	3.837	3.864	VV	3024	31810	0.60%	0.117%
17	3.884	3.864	3.941	VV	50580	475896	9.01%	1.749%
18	3.948	3.941	3.961	VV	121	1217	0.02%	0.004%
19	4.001	3.961	4.045	VV	40930	367048	6.95%	1.349%
20	4.054	4.045	4.061	PV	85	483	0.01%	0.002%
21	4.087	4.061	4.175	VV	176906	1646058	31.17%	6.048%
22	4.186	4.175	4.202	VV	579	8312	0.16%	0.031%
23	4.216	4.202	4.307	VV	685	21443	0.41%	0.079%
24	4.327	4.307	4.371	VV	307	6812	0.13%	0.025%
25	4.397	4.371	4.418	VV	13483	162007	3.07%	0.595%
26	4.433	4.418	4.471	VV	10055	100676	1.91%	0.370%
27	4.473	4.471	4.483	VV	303	1758	0.03%	0.006%
28	4.531	4.483	4.548	VV	4594	50172	0.95%	0.184%
29	4.557	4.548	4.637	VV	1112	17108	0.32%	0.063%
30	4.671	4.637	4.705	VV	385	8634	0.16%	0.032%
31	4.740	4.705	4.770	VV	1290	22927	0.43%	0.084%
32	4.793	4.770	4.836	VV	1040	20022	0.38%	0.074%
33	4.855	4.836	4.874	VV	389	6102	0.12%	0.022%
34	4.895	4.874	4.929	VV	460	9223	0.17%	0.034%
35	4.952	4.929	4.972	VV	797	10584	0.20%	0.039%
36	4.988	4.972	5.044	VV	307	9094	0.17%	0.033%

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37	5.056	5.044	5.125	VV	288	10300	0.20%	0.038%
38	5.128	5.125	5.163	VV	274	3651	0.07%	0.013%
39	5.170	5.163	5.222	VV	170	3262	0.06%	0.012%
40	5.237	5.222	5.251	VV	151	1572	0.03%	0.006%
41	5.260	5.251	5.275	VV	148	1298	0.02%	0.005%
42	5.311	5.275	5.335	VV	483	7059	0.13%	0.026%
43	5.356	5.335	5.395	VV	263	5245	0.10%	0.019%
44	5.411	5.395	5.455	VV	159	2527	0.05%	0.009%
45	5.484	5.455	5.555	PV	198	4641	0.09%	0.017%
46	5.572	5.555	5.601	VV	194	2346	0.04%	0.009%
47	5.625	5.601	5.662	VV	617	7919	0.15%	0.029%
48	5.676	5.662	5.694	VV	113	1263	0.02%	0.005%
49	5.703	5.694	5.722	VV	128	939	0.02%	0.003%
50	5.728	5.722	5.769	VV	78	1763	0.03%	0.006%
51	5.776	5.769	5.796	VV	152	1327	0.03%	0.005%
52	5.811	5.796	5.839	PV	193	2547	0.05%	0.009%
53	5.844	5.839	5.853	VV	76	531	0.01%	0.002%
54	5.868	5.853	5.895	VV	424	5332	0.10%	0.020%
55	5.939	5.895	5.971	VV	417	8176	0.15%	0.030%
56	5.994	5.971	6.037	VV	353	7141	0.14%	0.026%
57	6.079	6.037	6.091	VV	238	6275	0.12%	0.023%
58	6.096	6.091	6.144	VV	183	4719	0.09%	0.017%
59	6.159	6.144	6.241	VV	132	5651	0.11%	0.021%
60	6.252	6.241	6.289	VV	219	3811	0.07%	0.014%
61	6.330	6.289	6.344	VV	384	7162	0.14%	0.026%
62	6.383	6.344	6.424	VV	1671	42006	0.80%	0.154%
63	6.437	6.424	6.488	VV	445	14388	0.27%	0.053%
64	6.495	6.488	6.502	VV	419	3222	0.06%	0.012%
65	6.519	6.502	6.544	VV	545	11095	0.21%	0.041%
66	6.561	6.544	6.585	VV	531	10219	0.19%	0.038%
67	6.613	6.585	6.627	VV	310	6478	0.12%	0.024%
68	6.639	6.627	6.664	VV	308	5564	0.11%	0.020%
69	6.686	6.664	6.778	VV	2322	32265	0.61%	0.119%
70	6.787	6.778	6.811	VV	139	1552	0.03%	0.006%
71	6.831	6.811	6.869	VV	254	3840	0.07%	0.014%
72	6.933	6.869	6.973	VV	794	10400	0.20%	0.038%
73	6.987	6.973	7.015	PV	78	776	0.01%	0.003%
74	7.092	7.015	7.127	PV	168	4163	0.08%	0.015%
75	7.140	7.127	7.168	VV	179	2589	0.05%	0.010%
76	7.181	7.168	7.264	VV	84	2285	0.04%	0.008%
77	7.322	7.264	7.342	VV	872	12050	0.23%	0.044%
78	7.394	7.342	7.412	VV	805	22645	0.43%	0.083%
79	7.422	7.412	7.522	VV	708	26503	0.50%	0.097%
80	7.551	7.522	7.611	VV	666	17926	0.34%	0.066%
81	7.663	7.611	7.718	VV	406	11060	0.21%	0.041%
82	7.723	7.718	7.738	VV	186	1749	0.03%	0.006%
83	7.744	7.738	7.774	VV	223	3094	0.06%	0.011%
84	7.797	7.774	7.825	VV	187	3868	0.07%	0.014%
85	7.830	7.825	7.848	VV	116	1075	0.02%	0.004%
86	7.865	7.848	7.893	VV	135	1715	0.03%	0.006%
87	7.939	7.893	7.975	PV	161	5129	0.10%	0.019%
88	7.980	7.975	8.001	VV	167	1431	0.03%	0.005%
89	8.026	8.001	8.053	VV	1054	14353	0.27%	0.053%

					rterres			
90	8.228	8.187	8.242	VV	638	15559	0.29%	0.057%
91	8.258	8.242	8.275	VV	968	11383	0.22%	0.042%
92	8.285	8.275	8.325	VV	406	5685	0.11%	0.021%
93	8.342	8.325	8.365	VV	111	1957	0.04%	0.007%
94	8.384	8.365	8.443	VV	190	6242	0.12%	0.023%
95	8.458	8.443	8.468	VV	171	1525	0.03%	0.006%
96	8.491	8.468	8.502	VV	187	2875	0.05%	0.011%
97	8.571	8.502	8.607	VV	537	17678	0.33%	0.065%
98	8.645	8.607	8.657	VV	430	9044	0.17%	0.033%
99	8.688	8.657	8.725	VV	2098	40356	0.76%	0.148%
100	8.739	8.725	8.775	VV	595	12911	0.24%	0.047%
101	8.817	8.775	8.871	VV	1932	48834	0.92%	0.179%
102	8.873	8.871	8.895	VV	376	3901	0.07%	0.014%
103	8.913	8.895	8.955	VV	821	12786	0.24%	0.047%
104	9.119	9.104	9.133	VV	268	3881	0.07%	0.014%
105	9.155	9.133	9.178	VV	681	9918	0.19%	0.036%
106	9.189	9.178	9.225	VV	237	4615	0.09%	0.017%
107	9.240	9.225	9.270	VV	136	2207	0.04%	0.008%
108	9.291	9.270	9.348	PV	777	12672	0.24%	0.047%
109	9.412	9.348	9.453	VV	1144	25581	0.48%	0.094%
110	9.509	9.453	9.523	VV	305	7480	0.14%	0.027%
111	9.552	9.523	9.635	VV	1914	39414	0.75%	0.145%
112	9.698	9.635	9.741	VV	401	12907	0.24%	0.047%
113	9.748	9.741	9.785	VV	233	2454	0.05%	0.009%
114	9.841	9.785	9.871	VV	263	6804	0.13%	0.025%
115	9.891	9.871	9.928	VV	350	6746	0.13%	0.025%
116	9.974	9.928	9.996	VV	373	9429	0.18%	0.035%
117	10.043	9.996	10.101	VV	657	19472	0.37%	0.072%
118	10.161	10.101	10.211	VV	50841	534688	10.12%	1.965%
119	10.227	10.211	10.264	VV	503	9339	0.18%	0.034%
120	10.294	10.264	10.344	VV	546	14230	0.27%	0.052%
121	10.363	10.344	10.385	VV	264	4066	0.08%	0.015%
122	10.400	10.385	10.425	VV	201	2786	0.05%	0.010%
123	10.456	10.425	10.498	VV	176	4775	0.09%	0.018%
124	10.503	10.498	10.540	VV	111	1435	0.03%	0.005%
125	10.557	10.540	10.600	VV	184	2855	0.05%	0.010%
126	10.638	10.600	10.668	VV	10618	114360	2.17%	0.420%
127	10.678	10.668	10.710	VV	181	3571	0.07%	0.013%
128	10.731	10.710	10.768	VV	488	6840	0.13%	0.025%
129	10.778	10.768	10.791	VV	66	856	0.02%	0.003%
130	10.851	10.791	10.888	VV	1619	27922	0.53%	0.103%
131	10.900	10.888	10.938	VV	452	8354	0.16%	0.031%
132	10.987	10.938	11.005	VV	921	15728	0.30%	0.058%
133	11.020	11.005	11.080	VV	462	10937	0.21%	0.040%
134	11.129	11.080	11.153	PV	751	10350	0.20%	0.038%
135	11.173	11.153	11.201	VV	445	8542	0.16%	0.031%
136	11.228	11.201	11.251	VV	273	6881	0.13%	0.025%
137	11.288	11.251	11.302	VV	780	14645	0.28%	0.054%
138	11.317	11.302	11.339	VV	787	12873	0.24%	0.047%
139	11.408	11.339	11.451	VV	1984	60734	1.15%	0.223%
140	11.458	11.451	11.518	VV	671	19143	0.36%	0.070%
141	11.526	11.518	11.531	VV	439	3156	0.06%	0.012%

					rteres			
142	11.539	11.531	11.548	VV	491	4280	0.08%	0.016%
143	11.556	11.548	11.645	VV	523	16587	0.31%	0.061%
144	11.668	11.645	11.693	VV	691	11494	0.22%	0.042%
145	11.712	11.693	11.728	VV	554	7822	0.15%	0.029%
146	11.738	11.728	11.790	VV	496	7554	0.14%	0.028%
147	11.821	11.790	11.865	VV	978	16894	0.32%	0.062%
148	11.902	11.865	11.918	VV	493	8813	0.17%	0.032%
149	11.935	11.918	11.957	VV	441	7402	0.14%	0.027%
150	11.981	11.957	11.990	VV	281	4252	0.08%	0.016%
151	12.022	11.990	12.035	VV	1214	18300	0.35%	0.067%
152	12.066	12.035	12.117	VV	492507	5281043	100.00%	19.404%
153	12.157	12.117	12.185	VV	1641	32529	0.62%	0.120%
154	12.194	12.185	12.210	VV	648	7531	0.14%	0.028%
155	12.229	12.210	12.269	VV	1077	16087	0.30%	0.059%
156	12.289	12.269	12.308	VV	202	3230	0.06%	0.012%
157	12.325	12.308	12.348	VV	126	2290	0.04%	0.008%
158	12.353	12.348	12.361	VV	193	1023	0.02%	0.004%
159	12.399	12.361	12.423	VV	708	16347	0.31%	0.060%
160	12.460	12.423	12.478	VV	749	20460	0.39%	0.075%
161	12.531	12.478	12.615	VV	2635	117856	2.23%	0.433%
162	12.658	12.615	12.730	VV	43558	598969	11.34%	2.201%
163	12.743	12.730	12.763	VV	2431	42217	0.80%	0.155%
164	12.774	12.763	12.835	VV	1927	62267	1.18%	0.229%
165	12.860	12.835	12.875	VV	1256	28139	0.53%	0.103%
166	12.885	12.875	12.910	VV	1094	19737	0.37%	0.073%
167	12.925	12.910	12.951	VV	931	19187	0.36%	0.070%
168	12.990	12.951	13.027	VV	1064	30992	0.59%	0.114%
169	13.050	13.027	13.068	VV	1514	22385	0.42%	0.082%
170	13.083	13.068	13.100	VV	1290	17865	0.34%	0.066%
171	13.137	13.100	13.163	VV	2525	54516	1.03%	0.200%
172	13.179	13.163	13.234	VV	611	19642	0.37%	0.072%
173	13.252	13.234	13.343	VV	560	26736	0.51%	0.098%
174	13.378	13.343	13.395	VV	477	10553	0.20%	0.039%
175	13.412	13.395	13.429	VV	896	12473	0.24%	0.046%
176	13.453	13.429	13.469	VV	4276	54510	1.03%	0.200%
177	13.501	13.469	13.533	VV	354698	4096320	77.57%	15.051%
178	13.548	13.533	13.581	VV	1289	25665	0.49%	0.094%
179	13.589	13.581	13.602	VV	668	7697	0.15%	0.028%
180	13.614	13.602	13.637	VV	694	12496	0.24%	0.046%
181	13.675	13.637	13.698	VV	1100	27298	0.52%	0.100%
182	13.709	13.698	13.718	VV	709	7617	0.14%	0.028%
183	13.745	13.718	13.755	VV	1026	18544	0.35%	0.068%
184	13.792	13.755	13.855	VV	1630	80674	1.53%	0.296%
185	13.871	13.855	13.884	VV	1914	29201	0.55%	0.107%
186	13.916	13.884	13.931	VV	2205	53359	1.01%	0.196%
187	13.947	13.931	13.977	VV	2339	52764	1.00%	0.194%
188	13.999	13.977	14.030	VV	1703	45503	0.86%	0.167%
189	14.055	14.030	14.094	VV	1503	48081	0.91%	0.177%
190	14.118	14.094	14.164	VV	1171	42957	0.81%	0.158%
191	14.204	14.164	14.229	VV	4362	76262	1.44%	0.280%
192	14.252	14.229	14.291	VV	1414	41750	0.79%	0.153%
193	14.298	14.291	14.326	VV	1077	20881	0.40%	0.077%
194	14.343	14.326	14.353	VV	1162	17315	0.33%	0.064%

					rteres			
195	14.382	14.353	14.408	VV	3249	59445	1.13%	0.218%
196	14.426	14.408	14.448	VV	1291	28373	0.54%	0.104%
197	14.468	14.448	14.482	VV	2173	35054	0.66%	0.129%
198	14.501	14.482	14.545	VV	2644	64409	1.22%	0.237%
199	14.552	14.545	14.569	VV	1264	17622	0.33%	0.065%
200	14.643	14.569	14.666	VV	11907	203380	3.85%	0.747%
201	14.686	14.666	14.710	VV	4880	81350	1.54%	0.299%
202	14.724	14.710	14.741	VV	2034	35383	0.67%	0.130%
203	14.752	14.741	14.772	VV	1688	29119	0.55%	0.107%
204	14.816	14.772	14.862	VV	2115	99733	1.89%	0.366%
205	14.885	14.862	14.906	VV	2270	51236	0.97%	0.188%
206	14.943	14.906	15.002	VV	2431	111954	2.12%	0.411%
207	15.046	15.002	15.066	VV	2399	73739	1.40%	0.271%
208	15.107	15.066	15.121	VV	2166	66589	1.26%	0.245%
209	15.131	15.121	15.148	VV	2224	32717	0.62%	0.120%
210	15.162	15.148	15.175	VV	2093	31309	0.59%	0.115%
211	15.197	15.175	15.223	VV	2287	60824	1.15%	0.223%
212	15.245	15.223	15.273	VV	3189	72160	1.37%	0.265%
213	15.316	15.273	15.336	VV	3761	108267	2.05%	0.398%
214	15.354	15.336	15.384	VV	3095	82501	1.56%	0.303%
215	15.403	15.384	15.435	VV	4036	88709	1.68%	0.326%
216	15.454	15.435	15.481	VV	2200	58240	1.10%	0.214%
217	15.501	15.481	15.523	VV	2137	51114	0.97%	0.188%
218	15.551	15.523	15.594	VV	2295	90041	1.70%	0.331%
219	15.617	15.594	15.638	VV	2249	55660	1.05%	0.205%
220	15.734	15.638	15.763	VV	22288	418482	7.92%	1.538%
221	15.779	15.763	15.799	VV	3153	63769	1.21%	0.234%
222	15.815	15.799	15.848	VV	3142	78564	1.49%	0.289%
223	15.878	15.848	15.915	VV	3256	105766	2.00%	0.389%
224	15.960	15.915	15.990	VV	3380	113963	2.16%	0.419%
225	16.009	15.990	16.045	VV	2188	63970	1.21%	0.235%
226	16.058	16.045	16.088	VV	1930	47166	0.89%	0.173%
227	16.112	16.088	16.125	VV	2004	41935	0.79%	0.154%
228	16.150	16.125	16.171	VV	4316	78064	1.48%	0.287%
229	16.190	16.171	16.226	VV	2591	67586	1.28%	0.248%
230	16.249	16.226	16.288	VV	2137	62661	1.19%	0.230%
231	16.299	16.288	16.327	VV	1468	33714	0.64%	0.124%
232	16.341	16.327	16.355	VV	1541	23334	0.44%	0.086%
233	16.380	16.355	16.427	VV	2856	77065	1.46%	0.283%
234	16.441	16.427	16.461	VV	1535	27634	0.52%	0.102%
235	16.478	16.461	16.496	VV	1225	24825	0.47%	0.091%
236	16.517	16.496	16.534	VV	1344	27974	0.53%	0.103%
237	16.565	16.534	16.642	VV	1577	75753	1.43%	0.278%
238	16.748	16.642	16.787	VV	3143	112997	2.14%	0.415%
239	16.804	16.787	16.837	VV	1006	27407	0.52%	0.101%
240	16.864	16.837	16.895	VV	3517	62633	1.19%	0.230%
241	16.904	16.895	16.921	VV	906	12606	0.24%	0.046%
242	16.944	16.921	16.985	VV	1298	31112	0.59%	0.114%
243	17.003	16.985	17.038	VV	864	23448	0.44%	0.086%
244	17.062	17.038	17.084	VV	1237	22117	0.42%	0.081%
245	17.108	17.084	17.160	VV	1392	32554	0.62%	0.120%
246	17.182	17.160	17.203	VV	930	15987	0.30%	0.059%

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247	17.232	17.203	17.268	VV	970	26777	0.51%	0.098%
248	17.296	17.268	17.305	VV	877	16720	0.32%	0.061%
249	17.331	17.305	17.355	VV	6689	99823	1.89%	0.367%
250	17.383	17.355	17.446	VV	19864	304855	5.77%	1.120%
251	17.461	17.446	17.508	VV	661	18914	0.36%	0.069%
252	17.531	17.508	17.556	VV	976	17371	0.33%	0.064%
253	17.575	17.556	17.637	VV	679	18031	0.34%	0.066%
254	17.680	17.637	17.738	VV	2513	48964	0.93%	0.180%
255	17.782	17.738	17.840	VV	11193	164635	3.12%	0.605%
256	17.869	17.840	17.901	VV	782	17340	0.33%	0.064%
257	17.913	17.901	17.931	VV	503	7778	0.15%	0.029%
258	17.948	17.931	17.983	VV	412	8232	0.16%	0.030%
259	18.004	17.983	18.034	VV	316	4671	0.09%	0.017%
260	18.065	18.034	18.080	PV	255	3570	0.07%	0.013%
261	18.100	18.080	18.128	VV	435	6045	0.11%	0.022%
262	18.174	18.128	18.191	PV	1208	19812	0.38%	0.073%
263	18.219	18.191	18.255	VV	18375	261345	4.95%	0.960%
264	18.264	18.255	18.283	VV	624	7995	0.15%	0.029%
265	18.309	18.283	18.361	VV	2454	39879	0.76%	0.147%
266	18.456	18.361	18.476	PV	623	16294	0.31%	0.060%
267	18.495	18.476	18.523	VV	659	11030	0.21%	0.041%
268	18.575	18.523	18.615	PV	12656	208434	3.95%	0.766%
269	18.642	18.615	18.712	VV	23839	346486	6.56%	1.273%
270	18.739	18.712	18.825	VV	1606	32846	0.62%	0.121%
271	18.854	18.825	18.875	PV	543	10048	0.19%	0.037%
272	18.906	18.875	18.932	VV	1218	21801	0.41%	0.080%
273	18.952	18.932	18.975	VV	636	9473	0.18%	0.035%
274	19.053	18.975	19.118	VV	29102	451463	8.55%	1.659%
275	19.154	19.118	19.237	VV	2220	55415	1.05%	0.204%
276	19.268	19.237	19.278	VV	165	2669	0.05%	0.010%
277	19.309	19.278	19.335	VV	1486	23413	0.44%	0.086%
278	19.354	19.335	19.372	VV	870	11615	0.22%	0.043%
279	19.406	19.372	19.425	VV	9470	152172	2.88%	0.559%
280	19.451	19.425	19.514	VV	29125	471156	8.92%	1.731%
281	19.548	19.514	19.600	VV	1483	36335	0.69%	0.134%
282	19.649	19.600	19.668	VV	1279	33336	0.63%	0.122%
283	19.699	19.668	19.723	VV	2593	46788	0.89%	0.172%
284	19.746	19.723	19.782	VV	1620	34119	0.65%	0.125%
285	19.837	19.782	19.892	VV	29874	481463	9.12%	1.769%
286	19.939	19.892	19.976	VV	1927	53467	1.01%	0.196%
287	20.020	19.976	20.047	VV	1409	38980	0.74%	0.143%
288	20.077	20.047	20.101	VV	2482	52564	1.00%	0.193%
289	20.123	20.101	20.158	VV	2460	55668	1.05%	0.205%
290	20.212	20.158	20.286	VV	23520	440529	8.34%	1.619%
291	20.312	20.286	20.340	VV	2050	47469	0.90%	0.174%
292	20.397	20.340	20.413	VV	1960	65865	1.25%	0.242%
293	20.443	20.413	20.472	VV	3626	97012	1.84%	0.356%
294	20.489	20.472	20.528	VV	2911	69759	1.32%	0.256%
295	20.577	20.528	20.613	VV	24806	451464	8.55%	1.659%
296	20.633	20.613	20.705	VV	3841	173830	3.29%	0.639%
297	20.742	20.705	20.778	VV	4809	151066	2.86%	0.555%
298	20.807	20.778	20.834	VV	3236	96293	1.82%	0.354%
299	20.854	20.834	20.885	VV	3181	74315	1.41%	0.273%

					rteres			
300	20.944	20.885	20.984	VV	16193	372390	7.05%	1.368%
301	20.995	20.984	21.078	VV	3433	156654	2.97%	0.576%
302	21.131	21.078	21.168	VV	3062	131380	2.49%	0.483%
303	21.197	21.168	21.221	VV	2352	64680	1.22%	0.238%
304	21.254	21.221	21.305	VV	2613	98606	1.87%	0.362%
305	21.350	21.305	21.432	VV	13124	342110	6.48%	1.257%
306	21.461	21.432	21.491	VV	1332	40461	0.77%	0.149%
307	21.561	21.491	21.594	VV	1237	66870	1.27%	0.246%
308	21.633	21.594	21.653	VV	1156	35467	0.67%	0.130%
309	21.705	21.653	21.761	VV	1553	70177	1.33%	0.258%
310	21.807	21.761	21.916	VV	6745	189565	3.59%	0.697%
311	21.952	21.916	21.968	VV	481	11266	0.21%	0.041%
312	22.020	21.968	22.038	VV	612	19236	0.36%	0.071%
313	22.060	22.038	22.089	VV	615	13775	0.26%	0.051%
314	22.131	22.089	22.168	VV	513	13167	0.25%	0.048%
Sum of corrected areas:					27216486			

Aliphatic EPH 062725.M Sat Jun 28 02:36:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
Data File : FC069328.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 13:01
Operator : YP/AJ
Sample : Q2431-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
S-5

Integration File: autoint1.e
Quant Time: Jul 01 05:04:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.678	4673415	27.052 ug/ml
Spiked Amount	50.000	Recovery	= 54.10%
12) S 1-chlorooctadecane (S...	13.114	3545638	27.140 ug/ml
Spiked Amount	50.000	Recovery	= 54.28%

Target Compounds

(f)=RT Delta > 1/2 Window

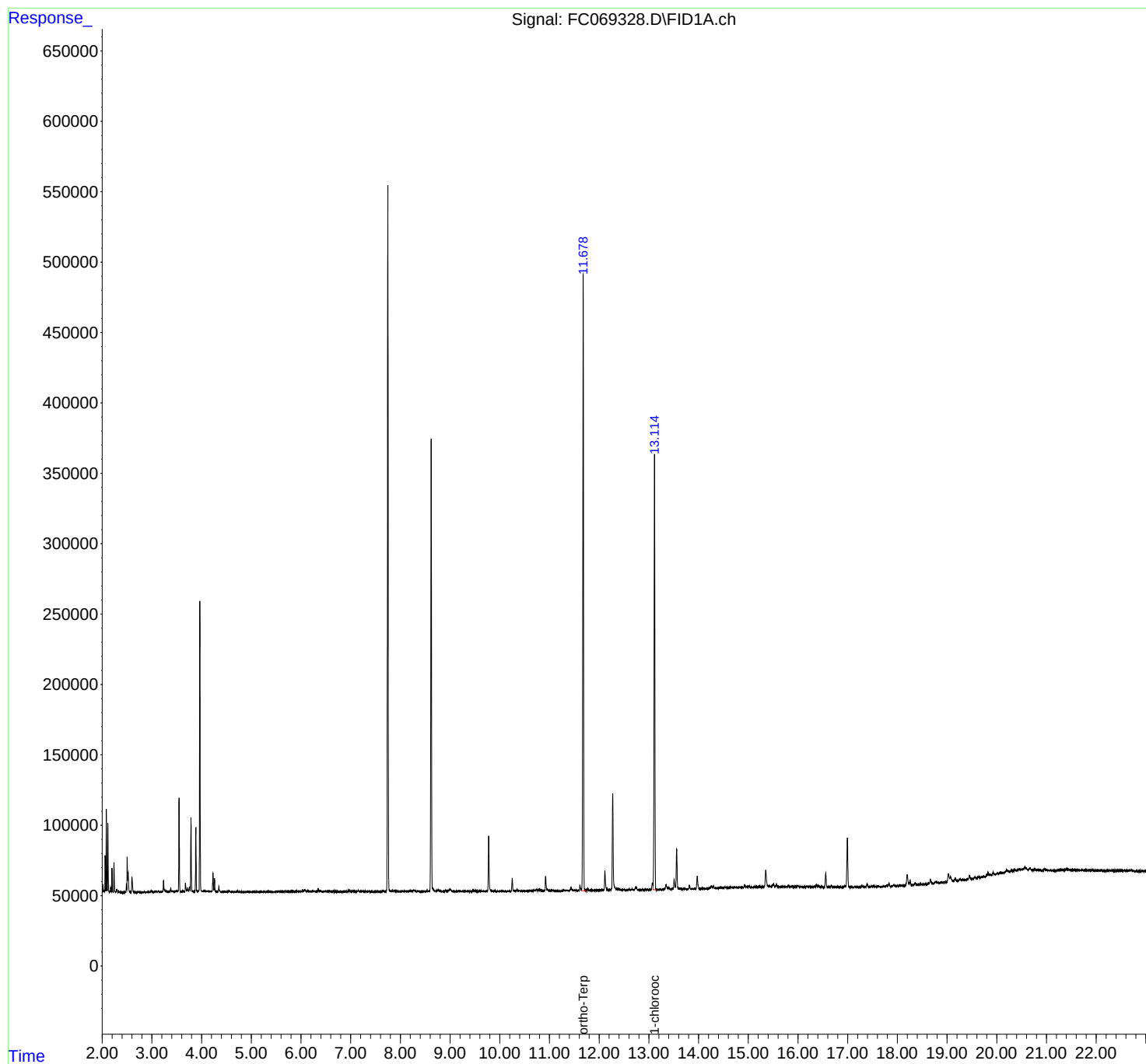
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC063025AL\
Data File : FC069328.D
Signal(s) : FID1A.ch
Acq On : 30 Jun 2025 13:01
Operator : YP/AJ
Sample : Q2431-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
S-5

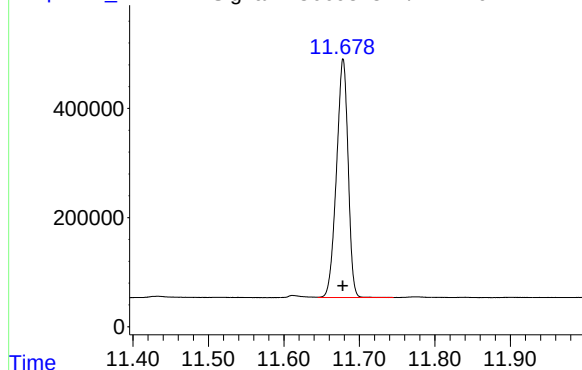
Integration File: autoint1.e
Quant Time: Jul 01 05:04:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 14:24:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: FC069328.D\FID1A.ch

#9 ortho-Terphenyl (SURR)

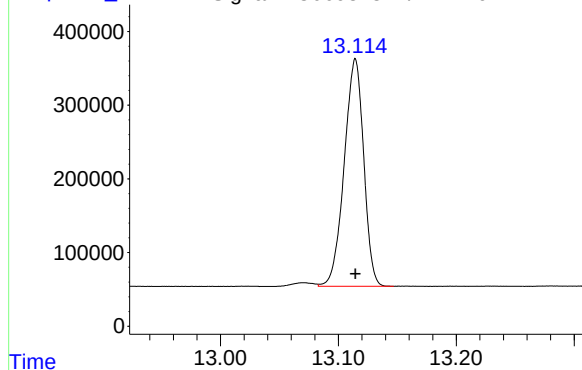


R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 4673415
Conc: 27.05 ug/ml

Instrument :
FID_C
ClientSampleId :
S-5

Signal: FC069328.D\FID1A.ch

#12 1-chlorooctadecane (SURR)



R.T.: 13.114 min
Delta R.T.: 0.000 min
Response: 3545638
Conc: 27.14 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
 Data File : FG016155.D
 Signal(s) : FID1A.ch
 Acq On : 27 Jun 2025 15:37
 Operator : YP\AJ
 Sample : PB168635BL
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 PB168635BL

Integration File: autoint1.e
 Quant Time: Jun 28 04:31:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 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)	12.094	5050312	39.142 ug/ml
Spiked Amount 50.000		Recovery =	78.28%
12) S 1-chlorooctadecane (S...	13.536	4079250	40.483 ug/ml
Spiked Amount 50.000		Recovery =	80.97%

Target Compounds

(f)=RT Delta > 1/2 Window

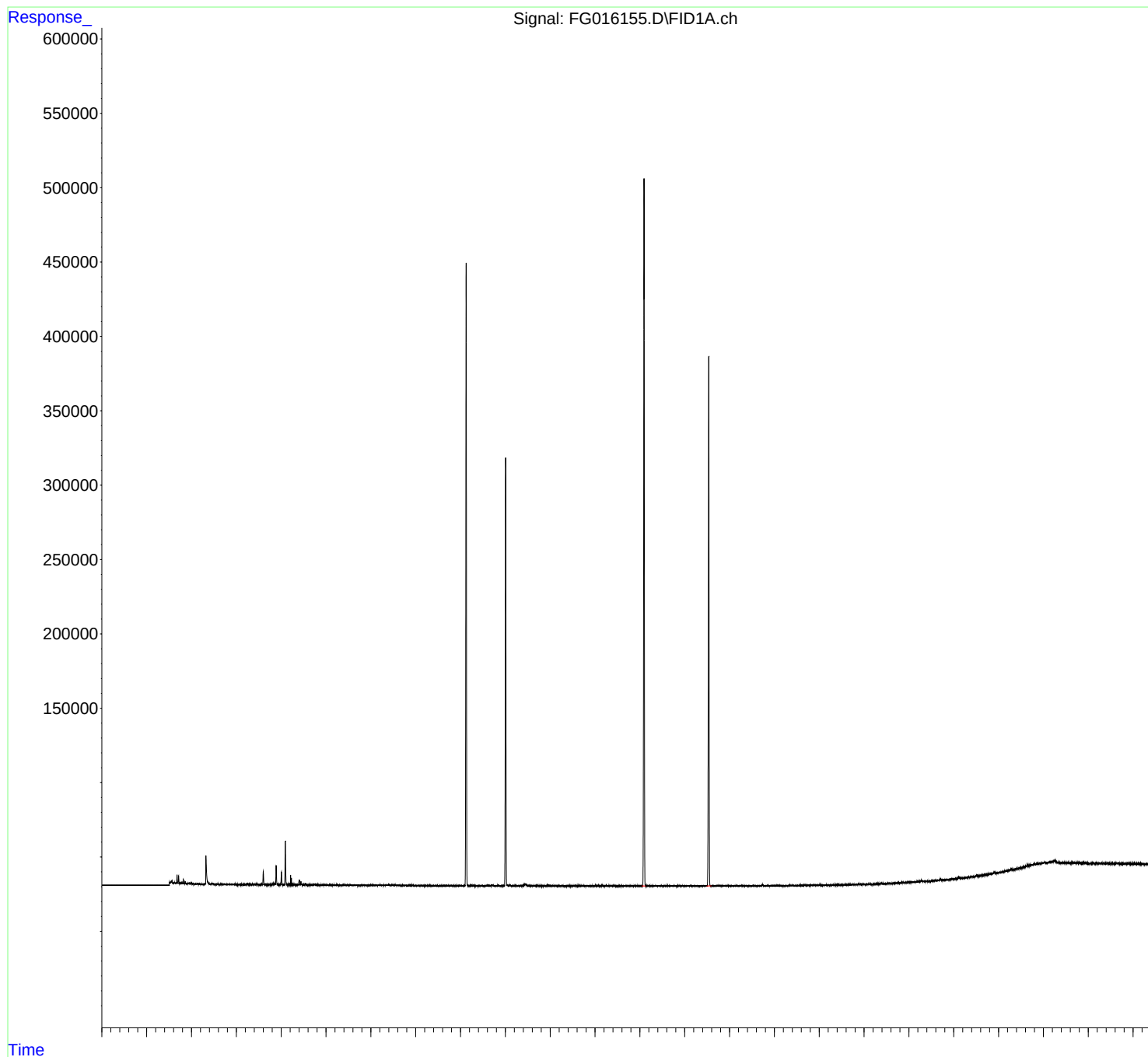
(m)=manual int.

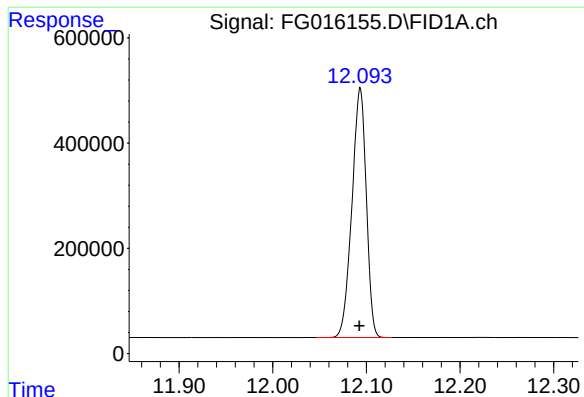
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016155.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 15:37
Operator : YP\AJ
Sample : PB168635BL
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB168635BL

Integration File: autoint1.e
Quant Time: Jun 28 04:31:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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

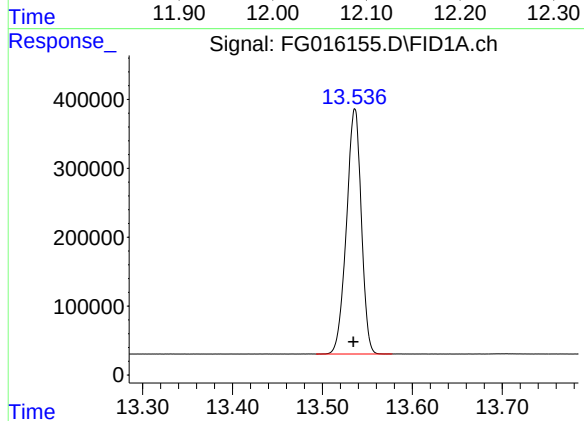




#9 ortho-Terphenyl (SURR)

R.T.: 12.094 min
Delta R.T.: 0.001 min
Response: 5050312
Conc: 39.14 ug/ml

Instrument :
FID_G
ClientSampleId :
PB168635BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.536 min
Delta R.T.: 0.002 min
Response: 4079250
Conc: 40.48 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\

Data File : FG016155.D

Signal(s) : FID1A.ch

Acq On : 27 Jun 2025 15:37

Sample : PB168635BL

Misc :

ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	12.094	12.047	12.127	BB	475211	5050312	100.00%	55.318%
2	13.536	13.493	13.577	BB	356120	4079250	80.77%	44.682%
Sum of corrected areas:						9129562		

Aliphatic EPH 061325.M Sat Jun 28 04:54:34 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
 Data File : FG016156.D
 Signal(s) : FID1A.ch
 Acq On : 27 Jun 2025 16:07
 Operator : YP\AJ
 Sample : PB168635BS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 PB168635BS

Integration File: autoint1.e
 Quant Time: Jun 28 04:31:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 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

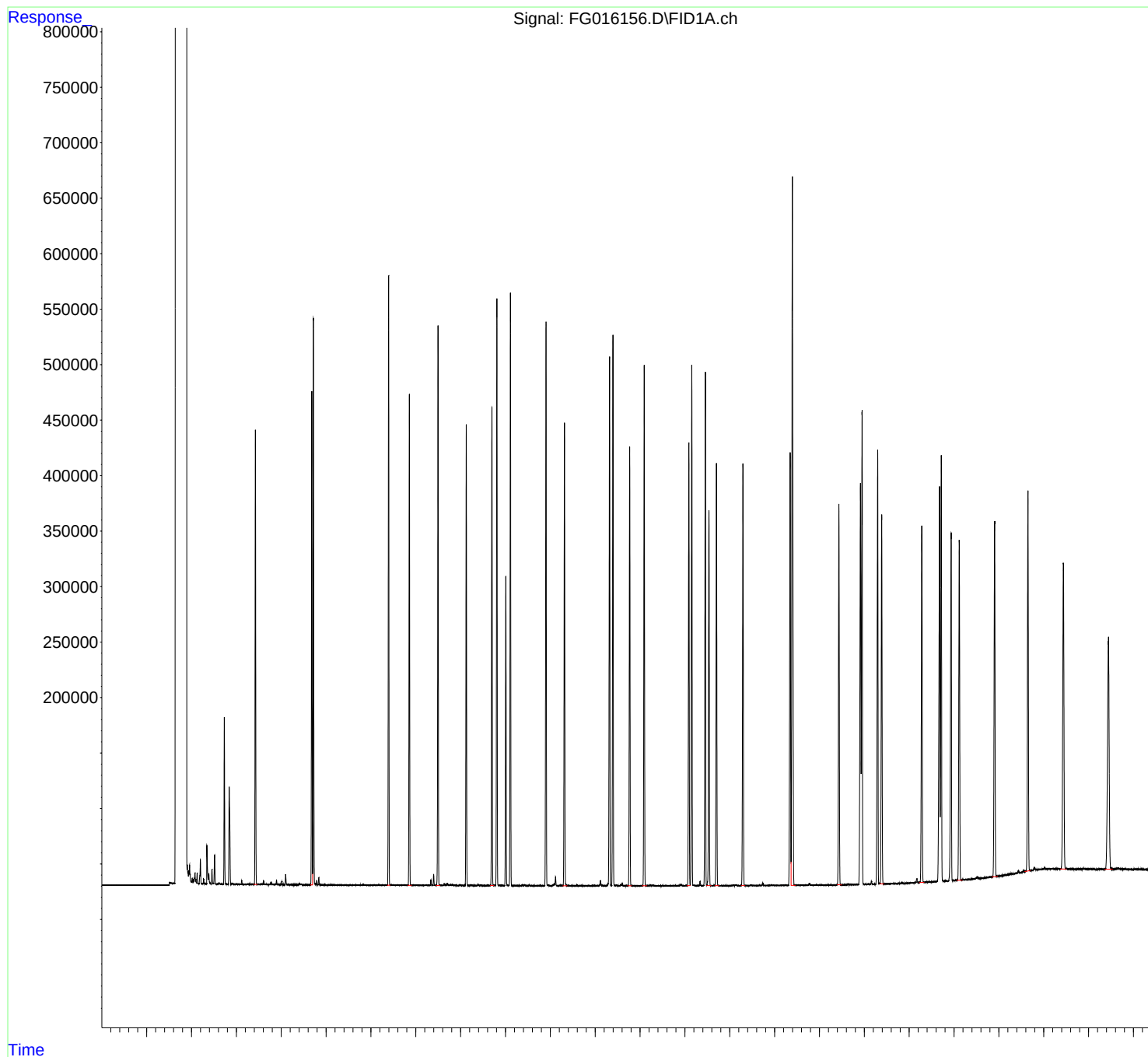
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.093	5065625	39.261 ug/ml
Spiked Amount 50.000		Recovery =	78.52%
12) S 1-chlorooctadecane (S...	13.536	4077061	40.461 ug/ml
Spiked Amount 50.000		Recovery =	80.92%
Target Compounds			
1) T n-Nonane (C9)	3.424	3957378	36.575 ug/ml
2) T n-Decane (C10)	4.681	4196719	38.259 ug/ml
3) T A~Naphthalene (C11.7)	6.394	5117887	42.834 ug/ml
4) T n-Dodecane (C12)	6.857	4338869	39.405 ug/ml
5) T A~2-methylnaphthalene...	7.496	4809488	41.351 ug/ml
6) T n-Tetradecane (C14)	8.698	4376108	39.848 ug/ml
7) T n-Hexadecane (C16)	10.315	4478274	39.342 ug/ml
8) T n-Octadecane (C18)	11.769	4504089	38.690 ug/ml
10) T n-Eicosane (C20)	13.088	4682240	41.140 ug/ml
11) T n-Heneicosane (C21)	13.703	4520220	39.927 ug/ml
13) T n-Docosane (C22)	14.294	4502879	39.610 ug/ml
14) T n-Tetracosane (C24)	15.395	9757867	84.622 ug/ml
15) T n-Hexacosane (C26)	16.433	4436613	38.553 ug/ml
16) T n-Octacosane (C28)	17.388	4361227	38.428 ug/ml
17) T n-Tricontane (C30)	18.281	4334311	37.857 ug/ml
18) T n-Dotriacontane (C32)	19.117	4309645	39.527 ug/ml
19) T n-Tetratriacontane (C34)	19.905	4703084	47.537 ug/ml
20) T n-Hexatriacontane (C36)	20.649	4855079	57.200 ug/ml
21) T n-Octatriacontane (C38)	21.439	5183818	68.667 ug/ml
22) T n-Tetracontane (C40)	22.445	5265596	76.149 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Instrument :
FID_G
ClientSampleId :
PB168635BS

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\

Data File : FG016156.D

Signal(s) : FID1A.ch

Acq On : 27 Jun 2025 16:07

Sample : PB168635BS

Misc :

ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.424	3.385	3.467	BB	409127	3957378	40.56%	2.172%
2	4.681	4.648	4.700	BV	444218	4196719	43.01%	2.303%
3	4.719	4.700	4.747	VV	510461	4751067	48.69%	2.608%
4	6.394	6.365	6.430	BB	549373	5117887	52.45%	2.809%
5	6.857	6.823	6.897	BB	442693	4338869	44.47%	2.381%
6	7.496	7.451	7.529	BB	503580	4809488	49.29%	2.640%
7	8.698	8.661	8.743	BB	430702	4376108	44.85%	2.402%
8	8.808	8.774	8.849	BB	528350	5203254	53.32%	2.856%
9	9.111	9.075	9.149	BB	532884	5188889	53.18%	2.848%
10	9.904	9.858	9.935	BB	505550	5287101	54.18%	2.902%
11	10.315	10.275	10.376	BB	417760	4478274	45.89%	2.458%
12	11.321	11.255	11.359	BV	476194	5266740	53.97%	2.891%
13	11.397	11.359	11.438	PB	494927	5278181	54.09%	2.897%
14	11.769	11.724	11.813	BB	395377	4504089	46.16%	2.472%
15	12.093	12.049	12.137	BB	469238	5065625	51.91%	2.780%
16	13.088	13.046	13.119	BV	399562	4682240	47.98%	2.570%
17	13.154	13.119	13.188	VB	465755	5253179	53.84%	2.883%
18	13.456	13.407	13.483	BV	462941	5269028	54.00%	2.892%
19	13.536	13.483	13.590	VB	337712	4077061	41.78%	2.238%
20	13.703	13.665	13.751	BB	380831	4520220	46.32%	2.481%
21	14.294	14.255	14.340	BB	380386	4502879	46.15%	2.471%
22	15.347	15.300	15.367	BV	388900	5264125	53.95%	2.889%
23	15.395	15.367	15.456	VB	634254	9757867	100.00%	5.355%

24	16.433	16.394	16.485	BB	340873	4436613	45.47%	2.435%
25	16.914	16.854	16.930	BV	361788	5123146	52.50%	2.812%

26	16.951	16.930	16.990	VB	424435	5104266	52.31%	2.801%
27	17.299	17.242	17.326	BB	390622	4956130	50.79%	2.720%
28	17.388	17.346	17.426	BB	330544	4361227	44.69%	2.394%
29	18.281	18.224	18.334	BB	320744	4334311	44.42%	2.379%
30	18.678	18.617	18.692	BV	355938	5063368	51.89%	2.779%

31	18.717	18.692	18.760	VB	380787	4785746	49.05%	2.627%
32	18.937	18.856	18.982	BB	313693	4577143	46.91%	2.512%
33	19.117	19.060	19.172	BB	304782	4309645	44.17%	2.365%
34	19.905	19.842	19.961	BB	317764	4703084	48.20%	2.581%
35	20.649	20.576	20.688	BB	342280	4855079	49.76%	2.665%

36	21.439	21.365	21.505	BB	275080	5183818	53.12%	2.845%
37	22.445	22.350	22.522	BB	208550	5265596	53.96%	2.890%

Sum of corrected areas: 182205437

Aliphatic EPH 061325.M Sat Jun 28 04:55:23 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
 Data File : FG016157.D
 Signal(s) : FID1A.ch
 Acq On : 27 Jun 2025 16:36
 Operator : YP\AJ
 Sample : PB168635BSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 PB168635BSD

Integration File: autoint1.e
 Quant Time: Jun 28 04:31:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 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)	12.093	5048432	39.128 ug/ml
Spiked Amount 50.000		Recovery =	78.26%
12) S 1-chlorooctadecane (S...	13.536	4067682	40.368 ug/ml
Spiked Amount 50.000		Recovery =	80.74%
Target Compounds			
1) T n-Nonane (C9)	3.424	3950392	36.511 ug/ml
2) T n-Decane (C10)	4.681	4182331	38.128 ug/ml
3) T A~Naphthalene (C11.7)	6.394	5101988	42.701 ug/ml
4) T n-Dodecane (C12)	6.856	4322799	39.259 ug/ml
5) T A~2-methylnaphthalene...	7.496	4791365	41.195 ug/ml
6) T n-Tetradecane (C14)	8.697	4358519	39.688 ug/ml
7) T n-Hexadecane (C16)	10.314	4459516	39.177 ug/ml
8) T n-Octadecane (C18)	11.769	4488553	38.556 ug/ml
10) T n-Eicosane (C20)	13.088	4670360	41.036 ug/ml
11) T n-Heneicosane (C21)	13.703	4508892	39.827 ug/ml
13) T n-Docosane (C22)	14.295	4498142	39.568 ug/ml
14) T n-Tetracosane (C24)	15.395	9774195	84.764 ug/ml
15) T n-Hexacosane (C26)	16.434	4455294	38.716 ug/ml
16) T n-Octacosane (C28)	17.388	4390381	38.685 ug/ml
17) T n-Tricontane (C30)	18.282	4378332	38.242 ug/ml
18) T n-Dotriacontane (C32)	19.117	4351911	39.915 ug/ml
19) T n-Tetratriacontane (C34)	19.905	4731896	47.829 ug/ml
20) T n-Hexatriacontane (C36)	20.649	4871092	57.388 ug/ml
21) T n-Octatriacontane (C38)	21.437	5198674	68.864 ug/ml
22) T n-Tetracontane (C40)	22.441	5280246	76.361 ug/ml

(f)=RT Delta > 1/2 Window

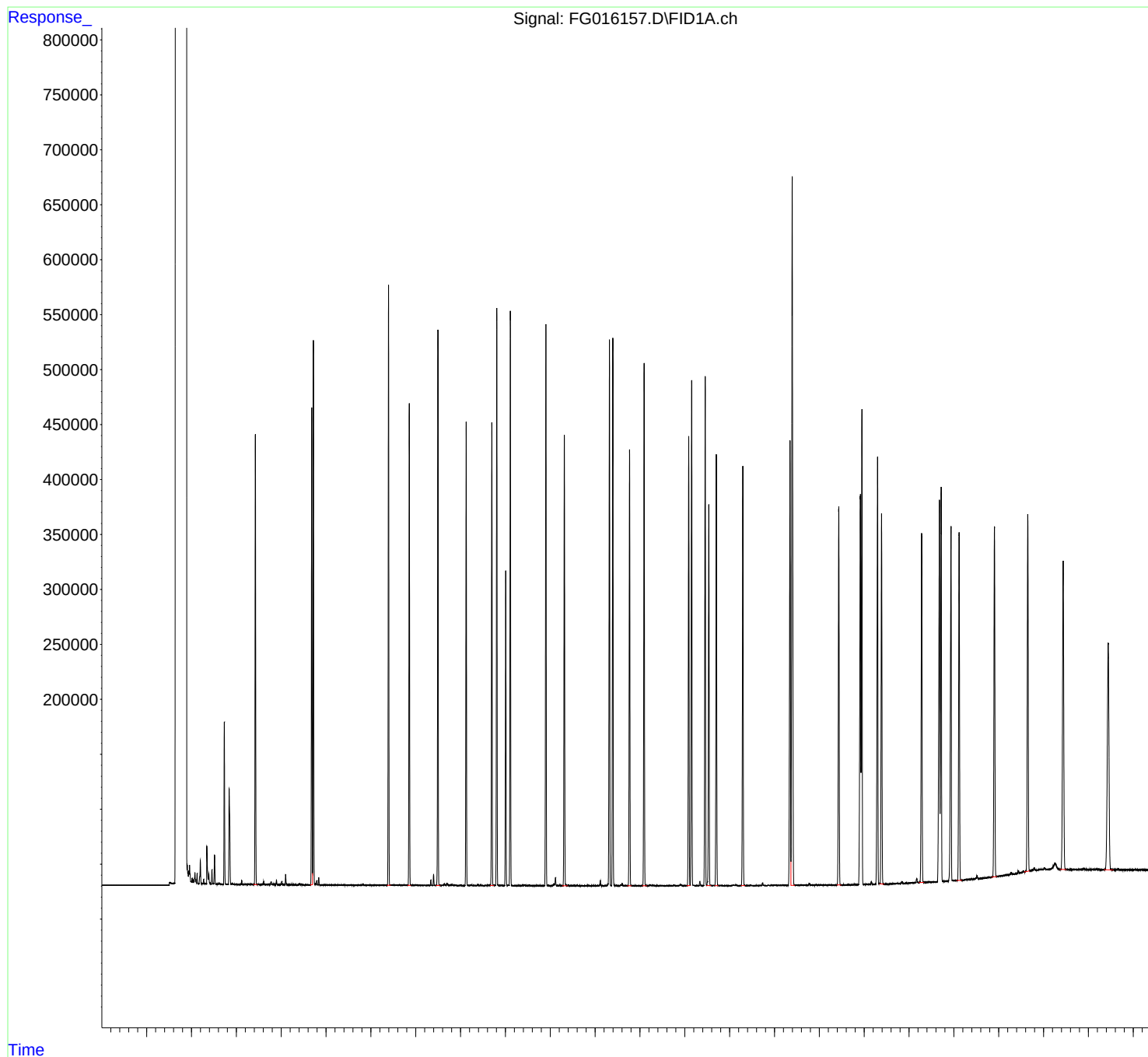
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016157.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 16:36
Operator : YP\AJ
Sample : PB168635BSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB168635BSD

Integration File: autoint1.e
Quant Time: Jun 28 04:31:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\

Data File : FG016157.D

Signal(s) : FID1A.ch

Acq On : 27 Jun 2025 16:36

Sample : PB168635BSD

Misc :

ALS Vial : 27 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.424	3.385	3.470	BB	408823	3950392	40.42%	2.167%
2	4.681	4.648	4.699	BV	433714	4182331	42.79%	2.294%
3	4.718	4.699	4.746	VV	494704	4726933	48.36%	2.593%
4	6.394	6.364	6.430	BB	545976	5101988	52.20%	2.799%
5	6.856	6.822	6.890	BB	437722	4322799	44.23%	2.371%
6	7.496	7.456	7.534	BB	503742	4791365	49.02%	2.628%
7	8.697	8.662	8.741	BB	421603	4358519	44.59%	2.391%
8	8.808	8.771	8.850	BB	524401	5182494	53.02%	2.843%
9	9.110	9.075	9.147	BB	517982	5168755	52.88%	2.835%
10	9.903	9.864	9.930	BB	510652	5267066	53.89%	2.889%
11	10.314	10.272	10.371	BB	408650	4459516	45.63%	2.446%
12	11.320	11.261	11.355	BV	493786	5252950	53.74%	2.881%
13	11.396	11.355	11.441	PB	497453	5263470	53.85%	2.887%
14	11.769	11.718	11.810	BB	395914	4488553	45.92%	2.462%
15	12.093	12.056	12.137	BB	475904	5048432	51.65%	2.769%
16	13.088	13.047	13.117	BV	408310	4670360	47.78%	2.562%
17	13.154	13.117	13.185	VB	459163	5244880	53.66%	2.877%
18	13.456	13.403	13.484	BV	463090	5265447	53.87%	2.888%
19	13.536	13.484	13.585	VB	346519	4067682	41.62%	2.231%
20	13.703	13.666	13.745	BB	390367	4508892	46.13%	2.473%
21	14.295	14.256	14.341	BB	381618	4498142	46.02%	2.467%
22	15.347	15.301	15.366	BV	403684	5278601	54.01%	2.896%
23	15.395	15.366	15.439	VB	644955	9774195	100.00%	5.362%

24	16.434	16.393	16.486	BB	340908	4455294	45.58%	2.444%
25	16.915	16.854	16.930	BV	351661	5159444	52.79%	2.830%

26	16.950	16.930	16.987	VB	432360	5121510	52.40%	2.809%
27	17.299	17.240	17.325	BB	387886	4979715	50.95%	2.732%
28	17.388	17.343	17.428	BB	337356	4390381	44.92%	2.408%
29	18.282	18.220	18.331	BB	313520	4378332	44.79%	2.402%
30	18.678	18.612	18.693	BV	347868	5097058	52.15%	2.796%

31	18.718	18.693	18.764	VB	357696	4818698	49.30%	2.643%
32	18.937	18.861	18.979	BB	322520	4595273	47.01%	2.521%
33	19.117	19.060	19.168	BB	316475	4351911	44.52%	2.387%
34	19.905	19.841	19.947	BB	317406	4731896	48.41%	2.596%
35	20.649	20.569	20.687	BB	324426	4871092	49.84%	2.672%

36	21.437	21.364	21.510	BB	280478	5198674	53.19%	2.852%
37	22.441	22.351	22.544	BB	206337	5280246	54.02%	2.896%

Sum of corrected areas: 182303282

Aliphatic EPH 061325.M Sat Jun 28 04:56:13 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
 Data File : FG016160.D
 Signal(s) : FID1A.ch
 Acq On : 27 Jun 2025 18:05
 Operator : YP\AJ
 Sample : Q2430-01MS
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 MH-E/FMS

Integration File: autoint1.e
 Quant Time: Jun 28 04:32:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 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)	12.092	4148176	32.150 ug/ml
Spiked Amount 50.000		Recovery =	64.30%
12) S 1-chlorooctadecane (S...	13.535	3392723	33.670 ug/ml
Spiked Amount 50.000		Recovery =	67.34%
Target Compounds			
1) T n-Nonane (C9)	3.419	3126880	28.900 ug/ml
2) T n-Decane (C10)	4.679	3463063	31.571 ug/ml
3) T A~Naphthalene (C11.7)	6.393	4306662	36.045 ug/ml
4) T n-Dodecane (C12)	6.856	3695928	33.566 ug/ml
5) T A~2-methylnaphthalene...	7.495	4167889	35.835 ug/ml
6) T n-Tetradecane (C14)	8.697	3951675	35.984 ug/ml
7) T n-Hexadecane (C16)	10.315	4440678	39.011 ug/ml
8) T n-Octadecane (C18)	11.769	4682036	40.218 ug/ml
10) T n-Eicosane (C20)	13.089	4930098	43.318 ug/ml
11) T n-Heneicosane (C21)	13.704	4770343	42.136 ug/ml
13) T n-Docosane (C22)	14.295	4765548	41.920 ug/ml
14) T n-Tetracosane (C24)	15.395	10285150	89.195 ug/ml
15) T n-Hexacosane (C26)	16.433	4723712	41.048 ug/ml
16) T n-Octacosane (C28)	17.388	4614093	40.656 ug/ml
17) T n-Tricontane (C30)	18.281	4555931	39.793 ug/ml
18) T n-Dotriacontane (C32)	19.117	4405116	40.403 ug/ml
19) T n-Tetratriacontane (C34)	19.903	4444651	44.925 ug/ml
20) T n-Hexatriacontane (C36)	20.647	4128289	48.637 ug/ml
21) T n-Octatriacontane (C38)	21.435	4003793	53.036 ug/ml
22) T n-Tetracontane (C40)	22.437	3802701	54.993 ug/ml

(f)=RT Delta > 1/2 Window

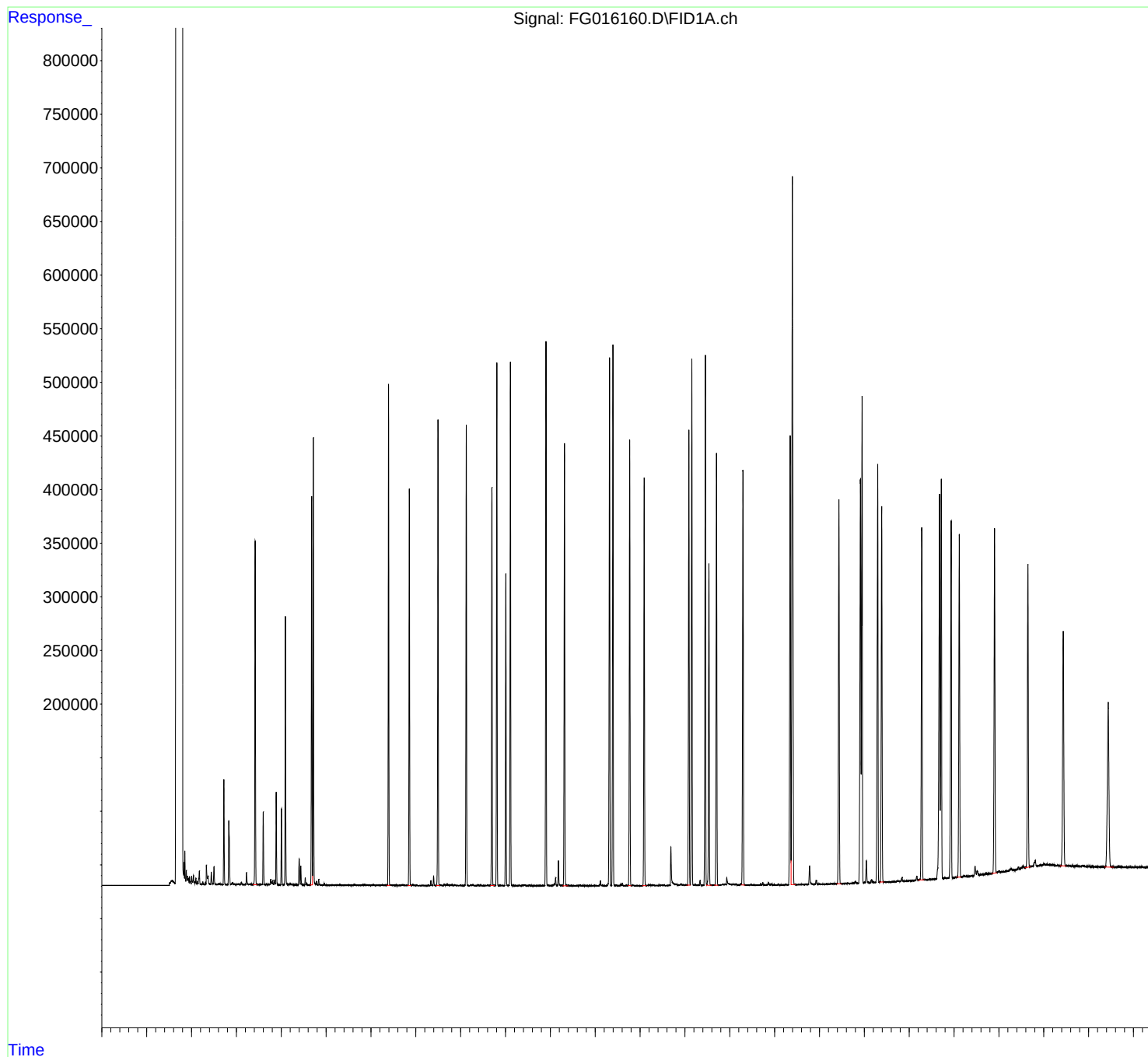
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016160.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 18:05
Operator : YP\AJ
Sample : Q2430-01MS
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
MH-E/FMS

Integration File: autoint1.e
Quant Time: Jun 28 04:32:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\

Data File : FG016160.D

Signal(s) : FID1A.ch

Acq On : 27 Jun 2025 18:05

Sample : Q2430-01MS

Misc :

ALS Vial : 30 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.279	3.238	3.296	BV	-788	-21448	-0.21%	-0.011%
2	3.315	3.296	3.349	PV	551	5475	0.05%	0.003%
3	3.364	3.349	3.377	PV	85	1033	0.01%	0.001%
4	3.419	3.377	3.491	PV	319443	3134948	30.45%	1.638%
5	3.522	3.491	3.541	VV	286	6369	0.06%	0.003%
6	3.561	3.541	3.574	VV	500	6565	0.06%	0.003%
7	3.599	3.574	3.658	VV	68016	627211	6.09%	0.328%
8	3.665	3.658	3.684	VV	213	2225	0.02%	0.001%
9	3.705	3.684	3.724	VV	499	7069	0.07%	0.004%
10	3.763	3.724	3.794	VV	5140	72339	0.70%	0.038%
11	3.810	3.794	3.828	VV	4187	43490	0.42%	0.023%
12	3.854	3.828	3.868	VV	4636	58192	0.57%	0.030%
13	3.888	3.868	3.948	VV	86309	781628	7.59%	0.408%
14	3.952	3.948	3.961	VV	64	345	0.00%	0.000%
15	4.005	3.961	4.055	VV	70853	639912	6.21%	0.334%
16	4.092	4.055	4.170	VV	249790	2282186	22.16%	1.192%
17	4.197	4.170	4.242	VV	1259	27048	0.26%	0.014%
18	4.252	4.242	4.279	VV	358	5200	0.05%	0.003%
19	4.297	4.279	4.309	VV	182	2353	0.02%	0.001%
20	4.324	4.309	4.365	VV	258	5943	0.06%	0.003%
21	4.400	4.365	4.421	VV	24423	280728	2.73%	0.147%
22	4.436	4.421	4.503	VV	17821	170194	1.65%	0.089%
23	4.536	4.503	4.552	VV	6928	63139	0.61%	0.033%

24	4.561	4.552	4.631	VV	1859	19380	0.19%	0.010%
25	4.678	4.631	4.697	VV	360607	3468369	33.68%	1.812%
26	4.716	4.697	4.769	VV	415580	3920807	38.08%	2.048%
27	4.790	4.769	4.814	VV	3296	36327	0.35%	0.019%
28	4.835	4.814	4.895	VV	5507	54454	0.53%	0.028%
29	4.901	4.895	4.936	VV	126	1813	0.02%	0.001%
30	4.957	4.936	4.978	VV	1423	13812	0.13%	0.007%
31	4.991	4.978	5.021	VV	172	2033	0.02%	0.001%
32	5.048	5.021	5.080	VV	164	2217	0.02%	0.001%
33	5.093	5.080	5.116	VV	136	1817	0.02%	0.001%
34	5.135	5.116	5.161	VV	77	1418	0.01%	0.001%
35	5.184	5.161	5.251	PV	100	2787	0.03%	0.001%
36	5.308	5.251	5.326	VV	788	8991	0.09%	0.005%
37	5.342	5.326	5.373	VV	307	4904	0.05%	0.003%
38	5.397	5.373	5.421	VV	245	3283	0.03%	0.002%
39	5.435	5.421	5.457	VV	92	1012	0.01%	0.001%
40	5.503	5.457	5.557	VV	155	4264	0.04%	0.002%
41	5.580	5.557	5.604	VV	155	2783	0.03%	0.001%
42	5.624	5.604	5.655	VV	1058	11352	0.11%	0.006%
43	5.676	5.655	5.735	VV	131	3255	0.03%	0.002%
44	5.768	5.735	5.794	VV	154	2464	0.02%	0.001%
45	5.819	5.794	5.838	PV	1056	11077	0.11%	0.006%
46	5.856	5.838	5.900	VV	1149	12684	0.12%	0.007%
47	5.927	5.900	5.994	VV	422	7964	0.08%	0.004%
48	6.010	5.994	6.028	VV	111	1594	0.02%	0.001%
49	6.055	6.028	6.115	VV	838	12615	0.12%	0.007%
50	6.118	6.115	6.135	VV	93	680	0.01%	0.000%
51	6.141	6.135	6.187	VV	86	1970	0.02%	0.001%
52	6.199	6.187	6.225	VV	113	1615	0.02%	0.001%
53	6.238	6.225	6.268	VV	488	5955	0.06%	0.003%
54	6.282	6.268	6.311	VV	150	2459	0.02%	0.001%
55	6.329	6.311	6.346	PV	220	2233	0.02%	0.001%
56	6.393	6.346	6.430	VV	461321	4313749	41.90%	2.253%
57	6.445	6.430	6.479	VV	424	6522	0.06%	0.003%
58	6.499	6.479	6.540	VV	306	6895	0.07%	0.004%
59	6.564	6.540	6.607	VV	335	7004	0.07%	0.004%
60	6.650	6.607	6.668	VV	156	4371	0.04%	0.002%
61	6.694	6.668	6.704	VV	558	6993	0.07%	0.004%
62	6.716	6.704	6.735	VV	812	9027	0.09%	0.005%

63	6.744	6.735	6.765	VV	274	3011	0.03%	0.002%
64	6.783	6.765	6.818	VV	156	2889	0.03%	0.002%
65	6.856	6.818	6.896	VV	369040	3700129	35.94%	1.933%
66	6.932	6.896	6.981	VV	1069	15160	0.15%	0.008%
67	7.008	6.981	7.075	VV	227	4894	0.05%	0.003%
68	7.083	7.075	7.094	VV	112	706	0.01%	0.000%
69	7.105	7.094	7.118	VV	123	866	0.01%	0.000%
70	7.146	7.118	7.166	VV	218	3226	0.03%	0.002%
71	7.183	7.166	7.218	VV	132	2473	0.02%	0.001%
72	7.225	7.218	7.249	VV	88	1213	0.01%	0.001%
73	7.277	7.249	7.311	VV	294	4328	0.04%	0.002%
74	7.336	7.311	7.372	PV	4475	42783	0.42%	0.022%
75	7.398	7.372	7.441	VV	8843	88052	0.86%	0.046%
76	7.495	7.441	7.525	VV	433627	4173637	40.53%	2.180%
77	7.542	7.525	7.615	VV	558	12253	0.12%	0.006%
78	7.634	7.615	7.670	VV	1570	22730	0.22%	0.012%
79	7.694	7.670	7.709	VV	1726	22293	0.22%	0.012%
80	7.719	7.709	7.747	VV	911	11306	0.11%	0.006%
81	7.771	7.747	7.787	VV	750	9562	0.09%	0.005%
82	7.806	7.787	7.827	VV	1119	12522	0.12%	0.007%
83	7.869	7.827	7.888	VV	349	8275	0.08%	0.004%
84	7.898	7.888	7.914	VV	305	3036	0.03%	0.002%
85	7.929	7.914	7.945	VV	192	2408	0.02%	0.001%
86	7.985	7.945	8.015	VV	514	8244	0.08%	0.004%
87	8.033	8.015	8.072	VV	231	4731	0.05%	0.002%
88	8.238	8.198	8.252	VV	569	10846	0.11%	0.006%
89	8.270	8.252	8.295	VV	1053	12645	0.12%	0.007%
90	8.308	8.295	8.361	VV	201	5121	0.05%	0.003%
91	8.385	8.361	8.414	VV	980	12541	0.12%	0.007%
92	8.443	8.414	8.501	VV	609	11200	0.11%	0.006%
93	8.522	8.501	8.530	VV	136	1402	0.01%	0.001%
94	8.555	8.530	8.566	VV	237	3287	0.03%	0.002%
95	8.596	8.566	8.629	VV	304	8768	0.09%	0.005%
96	8.697	8.629	8.741	VV	373052	3966443	38.52%	2.072%
97	8.755	8.741	8.768	VV	342	3873	0.04%	0.002%
98	8.807	8.768	8.861	VV	489884	4701408	45.66%	2.456%
99	8.879	8.861	8.899	VV	394	5667	0.06%	0.003%
100	8.927	8.899	8.951	VV	317	5622	0.05%	0.003%
101	9.109	9.074	9.152	VV	482495	4797594	46.59%	2.506%

102	9.169	9.152	9.195	VV	518	7546	0.07%	0.004%
103	9.200	9.195	9.218	VV	215	2249	0.02%	0.001%
104	9.234	9.218	9.258	VV	242	3542	0.03%	0.002%
105	9.319	9.258	9.347	VV	300	7693	0.07%	0.004%
106	9.382	9.347	9.400	VV	898	10991	0.11%	0.006%
107	9.423	9.400	9.460	VV	717	14900	0.14%	0.008%
108	9.473	9.460	9.495	VV	261	2801	0.03%	0.001%
109	9.526	9.495	9.555	VV	670	8327	0.08%	0.004%
110	9.575	9.555	9.638	VV	153	3720	0.04%	0.002%
111	9.647	9.638	9.695	PV	121	1716	0.02%	0.001%
112	9.716	9.695	9.741	VV	164	3109	0.03%	0.002%
113	9.767	9.741	9.814	VV	149	4522	0.04%	0.002%
114	9.827	9.814	9.844	VV	201	2579	0.03%	0.001%
115	9.858	9.844	9.867	VV	257	2565	0.02%	0.001%
116	9.903	9.867	9.933	VV	503982	5107036	49.60%	2.668%
117	9.949	9.933	9.980	VV	500	8809	0.09%	0.005%
118	9.995	9.980	10.020	VV	247	4713	0.05%	0.002%
119	10.052	10.020	10.065	VV	472	8391	0.08%	0.004%
120	10.089	10.065	10.097	VV	1517	22011	0.21%	0.011%
121	10.116	10.097	10.139	VV	7477	80057	0.78%	0.042%
122	10.180	10.139	10.229	VV	23267	252378	2.45%	0.132%
123	10.247	10.229	10.270	VV	528	6931	0.07%	0.004%
124	10.315	10.270	10.378	VV	410763	4442166	43.14%	2.320%
125	10.400	10.378	10.443	VV	461	7696	0.07%	0.004%
126	10.453	10.443	10.485	VV	90	1536	0.01%	0.001%
127	10.512	10.485	10.528	VV	78	1228	0.01%	0.001%
128	10.536	10.528	10.573	VV	107	2022	0.02%	0.001%
129	10.593	10.573	10.626	VV	445	4603	0.04%	0.002%
130	10.658	10.626	10.688	VV	866	10154	0.10%	0.005%
131	10.700	10.688	10.718	VV	145	1429	0.01%	0.001%
132	10.735	10.718	10.745	VV	227	2524	0.02%	0.001%
133	10.753	10.745	10.806	VV	202	3783	0.04%	0.002%
134	10.830	10.806	10.857	PV	116	2100	0.02%	0.001%
135	10.880	10.857	10.892	VV	102	1489	0.01%	0.001%
136	10.956	10.892	10.998	VV	299	8986	0.09%	0.005%
137	11.012	10.998	11.037	VV	340	4839	0.05%	0.003%
138	11.049	11.037	11.078	VV	230	3624	0.04%	0.002%
139	11.116	11.078	11.142	VV	4665	58251	0.57%	0.030%
140	11.159	11.142	11.185	VV	403	6311	0.06%	0.003%

141	11.195	11.185	11.228	VV	117	1676	0.02%	0.001%
142	11.320	11.228	11.357	PV	497187	5409110	52.53%	2.826%
143	11.396	11.357	11.451	VV	504800	5424792	52.69%	2.834%
144	11.469	11.451	11.501	VV	708	9705	0.09%	0.005%
145	11.510	11.501	11.540	VV	131	2530	0.02%	0.001%
146	11.568	11.540	11.582	VV	1109	13691	0.13%	0.007%
147	11.599	11.582	11.641	VV	2468	27421	0.27%	0.014%
148	11.654	11.641	11.676	VV	131	2094	0.02%	0.001%
149	11.696	11.676	11.718	VV	324	4443	0.04%	0.002%
150	11.769	11.718	11.805	VV	413490	4690454	45.55%	2.450%
151	11.823	11.805	11.909	VV	337	10564	0.10%	0.006%
152	11.930	11.909	11.948	VV	172	2725	0.03%	0.001%
153	11.964	11.948	12.015	VV	192	3221	0.03%	0.002%
154	12.092	12.015	12.141	PV	378676	4153242	40.34%	2.170%
155	12.186	12.141	12.202	VV	473	9090	0.09%	0.005%
156	12.220	12.202	12.242	VV	894	12332	0.12%	0.006%
157	12.270	12.242	12.288	VV	448	10582	0.10%	0.006%
158	12.300	12.288	12.341	VV	387	6566	0.06%	0.003%
159	12.373	12.341	12.405	VV	237	4874	0.05%	0.003%
160	12.438	12.405	12.462	VV	346	7183	0.07%	0.004%
161	12.493	12.462	12.515	VV	327	7472	0.07%	0.004%
162	12.533	12.515	12.581	VV	375	6425	0.06%	0.003%
163	12.688	12.581	12.798	VV	36017	512898	4.98%	0.268%
164	12.804	12.798	12.843	VV	991	21291	0.21%	0.011%
165	12.908	12.843	12.941	VV	1516	46931	0.46%	0.025%
166	12.960	12.941	12.991	VV	872	16166	0.16%	0.008%
167	13.026	12.991	13.048	VV	591	14352	0.14%	0.007%
168	13.088	13.048	13.118	VV	425782	4945501	48.03%	2.583%
169	13.154	13.118	13.210	VV	490219	5539055	53.80%	2.893%
170	13.229	13.210	13.295	VV	1006	20641	0.20%	0.011%
171	13.336	13.295	13.370	VV	4661	55808	0.54%	0.029%
172	13.383	13.370	13.401	VV	161	2300	0.02%	0.001%
173	13.456	13.401	13.483	VV	489697	5544549	53.85%	2.896%
174	13.535	13.483	13.604	VV	298169	3405538	33.07%	1.779%
175	13.645	13.604	13.664	VV	379	9368	0.09%	0.005%
176	13.704	13.664	13.740	VV	404012	4778700	46.41%	2.496%
177	13.747	13.740	13.763	VV	222	2774	0.03%	0.001%
178	13.897	13.763	13.916	VV	1206	61060	0.59%	0.032%
179	13.934	13.916	14.022	VV	6892	135452	1.32%	0.071%
180	14.030	14.022	14.068	VV	776	19645	0.19%	0.010%

181	14.082	14.068	14.113	VV	1003	19831	0.19%	0.010%
182	14.133	14.113	14.191	VV	1112	28614	0.28%	0.015%
183	14.244	14.191	14.257	VV	1387	26991	0.26%	0.014%
184	14.294	14.257	14.374	VV	389043	4784063	46.46%	2.499%
185	14.389	14.374	14.408	VV	181	3358	0.03%	0.002%
186	14.427	14.408	14.444	VV	253	4311	0.04%	0.002%
187	14.466	14.444	14.505	VV	943	15270	0.15%	0.008%
188	14.526	14.505	14.548	VV	304	5400	0.05%	0.003%
189	14.554	14.548	14.575	VV	136	1929	0.02%	0.001%
190	14.580	14.575	14.617	VV	118	2566	0.02%	0.001%
191	14.628	14.617	14.642	VV	189	2101	0.02%	0.001%
192	14.685	14.642	14.711	VV	800	14308	0.14%	0.007%
193	14.733	14.711	14.821	VV	2238	34772	0.34%	0.018%
194	14.860	14.821	14.894	VV	2313	38804	0.38%	0.020%
195	14.918	14.894	14.943	VV	1070	15717	0.15%	0.008%
196	14.963	14.943	14.998	VV	327	7249	0.07%	0.004%
197	15.018	14.998	15.041	VV	197	3355	0.03%	0.002%
198	15.081	15.041	15.111	PV	715	11333	0.11%	0.006%
199	15.136	15.111	15.145	VV	118	1828	0.02%	0.001%
200	15.152	15.145	15.162	VV	97	715	0.01%	0.000%
201	15.172	15.162	15.180	VV	62	531	0.01%	0.000%
202	15.207	15.180	15.228	VV	228	3587	0.03%	0.002%
203	15.243	15.228	15.301	VV	430	8192	0.08%	0.004%
204	15.347	15.301	15.367	VV	414909	5517347	53.58%	2.882%
205	15.395	15.367	15.525	VV	661193	10296551	100.00%	5.379%
206	15.575	15.525	15.598	VV	346	6651	0.06%	0.003%
207	15.603	15.598	15.657	VV	171	3081	0.03%	0.002%
208	15.699	15.657	15.719	PV	182	3188	0.03%	0.002%
209	15.779	15.719	15.890	VV	17363	261855	2.54%	0.137%
210	15.925	15.890	15.968	VV	3697	52388	0.51%	0.027%
211	16.005	15.968	16.035	VV	433	10214	0.10%	0.005%
212	16.052	16.035	16.106	VV	344	6323	0.06%	0.003%
213	16.148	16.106	16.217	PV	435	10065	0.10%	0.005%
214	16.256	16.217	16.275	VV	448	7559	0.07%	0.004%
215	16.303	16.275	16.335	VV	661	11498	0.11%	0.006%
216	16.434	16.335	16.478	VV	355314	4734311	45.98%	2.473%
217	16.496	16.478	16.511	VV	149	2117	0.02%	0.001%
218	16.525	16.511	16.554	VV	98	1347	0.01%	0.001%
219	16.579	16.554	16.587	PV	96	1047	0.01%	0.001%

220	16.636	16.587	16.668	PV	604	10330	0.10%	0.005%
221	16.741	16.668	16.758	VV	282	6668	0.06%	0.003%
222	16.799	16.758	16.845	VV	1716	30753	0.30%	0.016%
223	16.914	16.845	16.930	VV	378916	5408751	52.53%	2.825%
224	16.950	16.930	16.979	VV	444582	5264851	51.13%	2.750%
225	17.045	16.979	17.128	VV	20682	281510	2.73%	0.147%
226	17.159	17.128	17.202	VV	2956	45331	0.44%	0.024%
227	17.222	17.202	17.248	VV	367	5654	0.05%	0.003%
228	17.298	17.248	17.329	VV	386494	5110065	49.63%	2.669%
229	17.387	17.329	17.424	VV	350507	4636864	45.03%	2.422%
230	17.438	17.424	17.525	VV	610	11902	0.12%	0.006%
231	17.672	17.525	17.700	PV	210	8078	0.08%	0.004%
232	17.748	17.700	17.797	PV	775	16178	0.16%	0.008%
233	17.838	17.797	17.901	VV	3677	54304	0.53%	0.028%
234	17.924	17.901	17.938	PV	204	2711	0.03%	0.001%
235	17.956	17.938	17.969	VV	143	1972	0.02%	0.001%
236	18.006	17.969	18.054	VV	336	8525	0.08%	0.004%
237	18.066	18.054	18.085	PV	138	1406	0.01%	0.001%
238	18.169	18.085	18.215	PV	3753	63603	0.62%	0.033%
239	18.281	18.215	18.318	VV	327273	4571022	44.39%	2.388%
240	18.330	18.318	18.345	VV	429	5309	0.05%	0.003%
241	18.367	18.345	18.391	VV	488	7871	0.08%	0.004%
242	18.452	18.391	18.501	VV	597	14188	0.14%	0.007%
243	18.523	18.501	18.531	PV	186	1799	0.02%	0.001%
244	18.557	18.531	18.568	VV	186	3084	0.03%	0.002%
245	18.677	18.568	18.693	VV	361868	5365326	52.11%	2.803%
246	18.716	18.693	18.770	VV	365466	4917308	47.76%	2.569%
247	18.794	18.770	18.816	VV	1028	15659	0.15%	0.008%
248	18.829	18.816	18.871	VV	397	7753	0.08%	0.004%
249	18.936	18.871	18.986	VV	331070	4686393	45.51%	2.448%
250	19.058	18.986	19.070	VV	690	23898	0.23%	0.012%
251	19.117	19.070	19.167	VV	322795	4435193	43.07%	2.317%
252	19.230	19.167	19.257	VV	1501	51380	0.50%	0.027%
253	19.277	19.257	19.314	VV	974	26067	0.25%	0.014%
254	19.392	19.314	19.424	VV	1115	52437	0.51%	0.027%
255	19.468	19.424	19.496	VV	9505	187734	1.82%	0.098%
256	19.516	19.496	19.558	VV	4963	109690	1.07%	0.057%
257	19.637	19.558	19.654	VV	1551	83846	0.81%	0.044%
258	19.715	19.654	19.737	VV	2753	92489	0.90%	0.048%

259	19.903	19.737	19.944	VV	318778	4682297	45.47%	2.446%
260	20.005	19.944	20.038	VV	3570	165378	1.61%	0.086%
261	20.061	20.038	20.085	VV	3052	79225	0.77%	0.041%
262	20.182	20.085	20.221	VV	3349	248930	2.42%	0.130%
263	20.248	20.221	20.260	VV	4755	97225	0.94%	0.051%
264	20.275	20.260	20.301	VV	5195	107835	1.05%	0.056%
265	20.326	20.301	20.346	VV	3942	103877	1.01%	0.054%
266	20.433	20.346	20.456	VV	6337	289073	2.81%	0.151%
267	20.540	20.456	20.581	VV	6766	404657	3.93%	0.211%
268	20.647	20.581	20.687	VV	289118	4473634	43.45%	2.337%
269	20.811	20.687	20.849	VV	11457	705257	6.85%	0.368%
270	20.934	20.849	20.946	VV	6456	368013	3.57%	0.192%
271	21.014	20.946	21.045	VV	7496	404254	3.93%	0.211%
272	21.071	21.045	21.115	VV	6940	276751	2.69%	0.145%
273	21.125	21.115	21.185	VV	6425	262762	2.55%	0.137%
274	21.198	21.185	21.305	VV	6093	399937	3.88%	0.209%
275	21.334	21.305	21.371	VV	5282	202451	1.97%	0.106%
276	21.435	21.371	21.508	VV	222162	4379604	42.53%	2.288%
277	21.534	21.508	21.588	VV	4557	205833	2.00%	0.108%
278	21.604	21.588	21.727	VV	3977	304097	2.95%	0.159%
279	21.763	21.727	21.828	VV	3421	197411	1.92%	0.103%
280	21.865	21.828	21.951	VV	3512	227872	2.21%	0.119%
281	21.960	21.951	22.005	VV	2477	76367	0.74%	0.040%
282	22.021	22.005	22.075	VV	2220	87178	0.85%	0.046%
283	22.105	22.075	22.161	VV	1918	92884	0.90%	0.049%
284	22.188	22.161	22.261	VV	1744	92477	0.90%	0.048%
285	22.278	22.261	22.345	VV	1352	57282	0.56%	0.030%
286	22.353	22.345	22.357	VV	915	6476	0.06%	0.003%
287	22.437	22.357	22.539	VV	153655	3865016	37.54%	2.019%
288	22.547	22.539	22.588	VV	311	5329	0.05%	0.003%

Sum of corrected areas: 191431436

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
 Data File : FG016161.D
 Signal(s) : FID1A.ch
 Acq On : 27 Jun 2025 18:35
 Operator : YP\AJ
 Sample : Q2430-01MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 MH-E/FMSD

Integration File: autoint1.e
 Quant Time: Jun 28 04:32:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 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)	12.092	4059736	31.465 ug/ml
Spiked Amount 50.000		Recovery =	62.93%
12) S 1-chlorooctadecane (S...	13.536	3319291	32.941 ug/ml
Spiked Amount 50.000		Recovery =	65.88%
Target Compounds			
1) T n-Nonane (C9)	3.419	3054405	28.230 ug/ml
2) T n-Decane (C10)	4.678	3383398	30.844 ug/ml
3) T A~Naphthalene (C11.7)	6.393	4203618	35.182 ug/ml
4) T n-Dodecane (C12)	6.856	3608154	32.768 ug/ml
5) T A~2-methylnaphthalene...	7.495	4070110	34.994 ug/ml
6) T n-Tetradecane (C14)	8.697	3856326	35.115 ug/ml
7) T n-Hexadecane (C16)	10.315	4336700	38.098 ug/ml
8) T n-Octadecane (C18)	11.769	4581506	39.355 ug/ml
10) T n-Eicosane (C20)	13.089	4825392	42.398 ug/ml
11) T n-Heneicosane (C21)	13.704	4669395	41.244 ug/ml
13) T n-Docosane (C22)	14.295	4666068	41.045 ug/ml
14) T n-Tetracosane (C24)	15.395	10085958	87.467 ug/ml
15) T n-Hexacosane (C26)	16.434	4625995	40.199 ug/ml
16) T n-Octacosane (C28)	17.387	4523940	39.862 ug/ml
17) T n-Tricontane (C30)	18.281	4472075	39.061 ug/ml
18) T n-Dotriacontane (C32)	19.116	4324519	39.664 ug/ml
19) T n-Tetratriacontane (C34)	19.904	4368605	44.157 ug/ml
20) T n-Hexatriacontane (C36)	20.647	4056669	47.793 ug/ml
21) T n-Octatriacontane (C38)	21.436	3946023	52.271 ug/ml
22) T n-Tetracontane (C40)	22.437	3744289	54.148 ug/ml

(f)=RT Delta > 1/2 Window

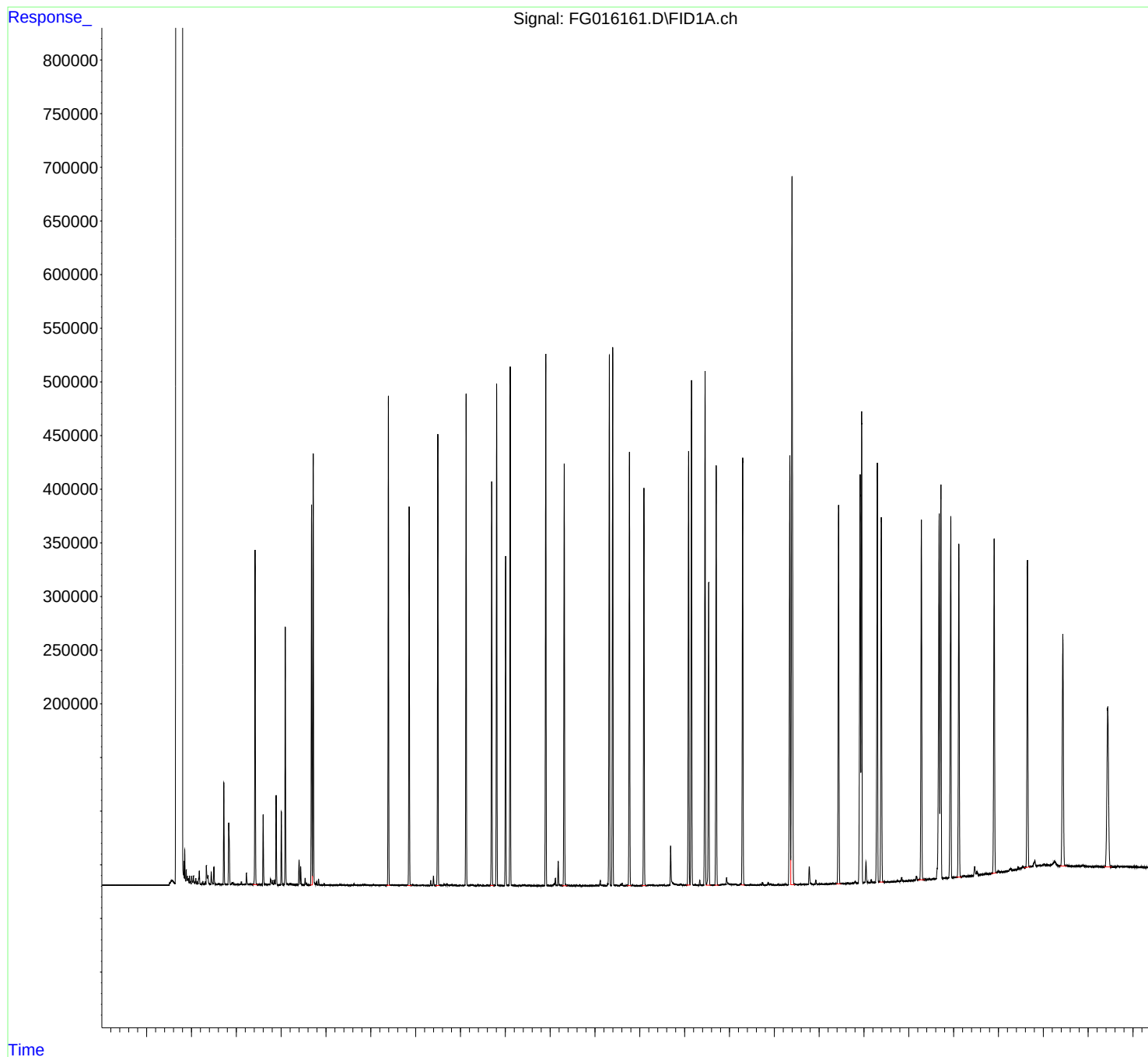
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
Data File : FG016161.D
Signal(s) : FID1A.ch
Acq On : 27 Jun 2025 18:35
Operator : YP\AJ
Sample : Q2430-01MSD
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
MH-E/FMSD

Integration File: autoint1.e
Quant Time: Jun 28 04:32:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\

Data File : FG016161.D

Signal(s) : FID1A.ch

Acq On : 27 Jun 2025 18:35

Sample : Q2430-01MSD

Misc :

ALS Vial : 31 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.279	3.222	3.298	BV	-1718	-84048	-0.83%	-0.045%
2	3.315	3.298	3.342	PV	462	4706	0.05%	0.003%
3	3.365	3.342	3.377	PV	145	1189	0.01%	0.001%
4	3.419	3.377	3.483	PV	311695	3061825	30.34%	1.636%
5	3.498	3.483	3.512	VV	261	2666	0.03%	0.001%
6	3.521	3.512	3.541	VV	263	3665	0.04%	0.002%
7	3.560	3.541	3.578	VV	566	8244	0.08%	0.004%
8	3.599	3.578	3.652	VV	65119	600090	5.95%	0.321%
9	3.664	3.652	3.685	VV	227	2833	0.03%	0.002%
10	3.706	3.685	3.728	VV	508	7386	0.07%	0.004%
11	3.735	3.728	3.742	VV	257	1662	0.02%	0.001%
12	3.763	3.742	3.795	VV	4772	75950	0.75%	0.041%
13	3.811	3.795	3.828	VV	3964	41510	0.41%	0.022%
14	3.855	3.828	3.868	VV	4373	55867	0.55%	0.030%
15	3.888	3.868	3.939	VV	83096	753478	7.47%	0.403%
16	3.950	3.939	3.977	PV	52	872	0.01%	0.000%
17	4.005	3.977	4.058	VV	67867	611884	6.06%	0.327%
18	4.092	4.058	4.172	VV	238968	2176122	21.56%	1.163%
19	4.197	4.172	4.243	VV	1235	26628	0.26%	0.014%
20	4.252	4.243	4.278	VV	401	5710	0.06%	0.003%
21	4.287	4.278	4.301	VV	236	2537	0.03%	0.001%
22	4.328	4.301	4.365	VV	282	8393	0.08%	0.004%
23	4.401	4.365	4.421	VV	22792	265444	2.63%	0.142%

24	4.436	4.421	4.508	VV	16986	161900	1.60%	0.087%
25	4.535	4.508	4.552	VV	6470	59279	0.59%	0.032%
26	4.561	4.552	4.645	VV	1765	19699	0.20%	0.011%
27	4.678	4.645	4.697	VV	352769	3386224	33.56%	1.809%
28	4.716	4.697	4.770	VV	400571	3829026	37.94%	2.046%
29	4.790	4.770	4.813	VV	3193	33937	0.34%	0.018%
30	4.835	4.813	4.882	VV	5372	54181	0.54%	0.029%
31	4.896	4.882	4.915	VV	128	2079	0.02%	0.001%
32	4.922	4.915	4.932	VV	115	850	0.01%	0.000%
33	4.957	4.932	4.980	VV	1430	13711	0.14%	0.007%
34	4.993	4.980	5.015	VV	159	2162	0.02%	0.001%
35	5.041	5.015	5.066	VV	200	3116	0.03%	0.002%
36	5.075	5.066	5.082	VV	73	556	0.01%	0.000%
37	5.090	5.082	5.112	VV	115	1327	0.01%	0.001%
38	5.138	5.112	5.168	VV	121	2492	0.02%	0.001%
39	5.192	5.168	5.215	VV	135	2474	0.02%	0.001%
40	5.231	5.215	5.248	VV	99	1515	0.02%	0.001%
41	5.263	5.248	5.292	VV	115	2307	0.02%	0.001%
42	5.308	5.292	5.326	VV	752	7780	0.08%	0.004%
43	5.342	5.326	5.372	VV	287	5434	0.05%	0.003%
44	5.394	5.372	5.452	VV	231	5120	0.05%	0.003%
45	5.466	5.452	5.492	VV	102	1910	0.02%	0.001%
46	5.504	5.492	5.548	VV	213	2794	0.03%	0.001%
47	5.582	5.548	5.602	VV	214	3921	0.04%	0.002%
48	5.625	5.602	5.668	VV	1112	12181	0.12%	0.007%
49	5.680	5.668	5.692	VV	124	1280	0.01%	0.001%
50	5.704	5.692	5.750	VV	119	1817	0.02%	0.001%
51	5.767	5.750	5.795	VV	186	2275	0.02%	0.001%
52	5.819	5.795	5.838	PV	1049	11082	0.11%	0.006%
53	5.855	5.838	5.895	VV	1110	12991	0.13%	0.007%
54	5.926	5.895	5.985	VV	445	9061	0.09%	0.005%
55	5.993	5.985	6.024	VV	90	2328	0.02%	0.001%
56	6.055	6.024	6.093	VV	756	12546	0.12%	0.007%
57	6.120	6.093	6.143	VV	126	2204	0.02%	0.001%
58	6.155	6.143	6.182	VV	97	1875	0.02%	0.001%
59	6.201	6.182	6.219	VV	175	2489	0.02%	0.001%
60	6.237	6.219	6.273	VV	618	8894	0.09%	0.005%
61	6.279	6.273	6.313	VV	203	2300	0.02%	0.001%
62	6.328	6.313	6.352	PV	218	3024	0.03%	0.002%

63	6.393	6.352	6.430	VV	451860	4212231	41.74%	2.251%
64	6.443	6.430	6.478	VV	467	6933	0.07%	0.004%
65	6.498	6.478	6.530	VV	364	6953	0.07%	0.004%
66	6.568	6.530	6.614	VV	338	9554	0.09%	0.005%
67	6.648	6.614	6.669	VV	215	5507	0.05%	0.003%
68	6.694	6.669	6.704	VV	633	8049	0.08%	0.004%
69	6.717	6.704	6.768	VV	791	12860	0.13%	0.007%
70	6.786	6.768	6.820	VV	168	4159	0.04%	0.002%
71	6.856	6.820	6.896	VV	354837	3611376	35.79%	1.930%
72	6.932	6.896	6.988	VV	1073	15174	0.15%	0.008%
73	7.010	6.988	7.055	VV	268	5623	0.06%	0.003%
74	7.063	7.055	7.072	VV	80	780	0.01%	0.000%
75	7.081	7.072	7.112	VV	121	1994	0.02%	0.001%
76	7.145	7.112	7.218	VV	292	8111	0.08%	0.004%
77	7.277	7.218	7.302	VV	320	6193	0.06%	0.003%
78	7.336	7.302	7.369	VV	4382	41612	0.41%	0.022%
79	7.398	7.369	7.448	VV	8696	87185	0.86%	0.047%
80	7.495	7.448	7.525	PV	419932	4074023	40.37%	2.177%
81	7.539	7.525	7.572	VV	587	9908	0.10%	0.005%
82	7.577	7.572	7.595	VV	171	2118	0.02%	0.001%
83	7.601	7.595	7.614	VV	142	1503	0.01%	0.001%
84	7.634	7.614	7.675	VV	1574	22601	0.22%	0.012%
85	7.694	7.675	7.710	VV	1657	20698	0.21%	0.011%
86	7.719	7.710	7.744	VV	882	10030	0.10%	0.005%
87	7.772	7.744	7.787	VV	796	9930	0.10%	0.005%
88	7.806	7.787	7.828	VV	1152	13041	0.13%	0.007%
89	7.868	7.828	7.885	VV	357	7952	0.08%	0.004%
90	7.899	7.885	7.916	VV	250	3061	0.03%	0.002%
91	7.929	7.916	7.943	VV	169	1603	0.02%	0.001%
92	7.955	7.943	7.968	VV	140	1393	0.01%	0.001%
93	7.985	7.968	8.014	VV	480	6016	0.06%	0.003%
94	8.037	8.014	8.074	VV	284	4950	0.05%	0.003%
95	8.238	8.197	8.255	VV	593	11735	0.12%	0.006%
96	8.269	8.255	8.362	VV	1027	17031	0.17%	0.009%
97	8.386	8.362	8.414	VV	982	12281	0.12%	0.007%
98	8.443	8.414	8.507	VV	640	11922	0.12%	0.006%
99	8.520	8.507	8.541	VV	161	2332	0.02%	0.001%
100	8.555	8.541	8.565	VV	215	2098	0.02%	0.001%
101	8.603	8.565	8.642	VV	328	9949	0.10%	0.005%

102	8.697	8.642	8.738	VV	377500	3868536	38.34%	2.067%
103	8.754	8.738	8.770	VV	281	4177	0.04%	0.002%
104	8.807	8.770	8.859	VV	465078	4589516	45.48%	2.452%
105	8.880	8.859	8.901	VV	409	6099	0.06%	0.003%
106	8.925	8.901	8.964	VV	293	6123	0.06%	0.003%
107	9.049	9.039	9.055	VV	387	3312	0.03%	0.002%
108	9.062	9.055	9.074	VV	418	3624	0.04%	0.002%
109	9.110	9.074	9.149	VV	474465	4686968	46.45%	2.504%
110	9.169	9.149	9.218	VV	555	10567	0.10%	0.006%
111	9.233	9.218	9.268	VV	236	3769	0.04%	0.002%
112	9.318	9.268	9.355	VV	261	7061	0.07%	0.004%
113	9.382	9.355	9.399	VV	948	10857	0.11%	0.006%
114	9.424	9.399	9.461	VV	713	15821	0.16%	0.008%
115	9.472	9.461	9.493	VV	231	2512	0.02%	0.001%
116	9.527	9.493	9.572	VV	644	9766	0.10%	0.005%
117	9.585	9.572	9.614	VV	155	2177	0.02%	0.001%
118	9.629	9.614	9.681	VV	87	2361	0.02%	0.001%
119	9.722	9.681	9.755	PV	189	4972	0.05%	0.003%
120	9.790	9.755	9.802	VV	173	3756	0.04%	0.002%
121	9.831	9.802	9.846	VV	189	3284	0.03%	0.002%
122	9.859	9.846	9.867	VV	258	2140	0.02%	0.001%
123	9.903	9.867	9.934	VV	489870	4994492	49.49%	2.669%
124	9.950	9.934	9.980	VV	465	7795	0.08%	0.004%
125	9.994	9.980	10.035	VV	219	5593	0.06%	0.003%
126	10.050	10.035	10.061	VV	490	5802	0.06%	0.003%
127	10.089	10.061	10.098	VV	1490	22179	0.22%	0.012%
128	10.116	10.098	10.140	VV	7071	77882	0.77%	0.042%
129	10.180	10.140	10.227	VV	22509	245561	2.43%	0.131%
130	10.247	10.227	10.270	VV	485	6744	0.07%	0.004%
131	10.315	10.270	10.378	VV	392179	4339410	43.00%	2.319%
132	10.400	10.378	10.436	VV	504	7593	0.08%	0.004%
133	10.465	10.436	10.473	VV	123	1902	0.02%	0.001%
134	10.491	10.473	10.515	VV	108	1509	0.01%	0.001%
135	10.539	10.515	10.565	VV	137	2158	0.02%	0.001%
136	10.593	10.565	10.613	VV	425	4834	0.05%	0.003%
137	10.659	10.613	10.692	PV	855	10135	0.10%	0.005%
138	10.700	10.692	10.714	VV	125	1046	0.01%	0.001%
139	10.735	10.714	10.744	VV	178	2239	0.02%	0.001%
140	10.756	10.744	10.814	VV	218	4217	0.04%	0.002%

141	10.830	10.814	10.862	PV	172	2031	0.02%	0.001%
142	10.884	10.862	10.910	VV	124	2002	0.02%	0.001%
143	10.958	10.910	10.992	VV	306	7907	0.08%	0.004%
144	11.012	10.992	11.031	VV	387	5222	0.05%	0.003%
145	11.055	11.031	11.077	VV	309	4536	0.04%	0.002%
146	11.117	11.077	11.141	VV	4513	56916	0.56%	0.030%
147	11.157	11.141	11.188	VV	387	6721	0.07%	0.004%
148	11.195	11.188	11.221	VV	175	1840	0.02%	0.001%
149	11.250	11.221	11.260	VV	178	2733	0.03%	0.001%
150	11.321	11.260	11.357	VV	499931	5289550	52.42%	2.826%
151	11.396	11.357	11.452	VV	499154	5308496	52.60%	2.837%
152	11.469	11.452	11.542	VV	704	12612	0.12%	0.007%
153	11.569	11.542	11.585	VV	1120	13714	0.14%	0.007%
154	11.600	11.585	11.675	VV	2360	28367	0.28%	0.015%
155	11.695	11.675	11.715	VV	304	3922	0.04%	0.002%
156	11.769	11.715	11.804	VV	401708	4586783	45.45%	2.451%
157	11.822	11.804	11.832	VV	322	4229	0.04%	0.002%
158	11.843	11.832	11.904	VV	369	6526	0.06%	0.003%
159	11.926	11.904	11.944	VV	137	2273	0.02%	0.001%
160	11.964	11.944	11.993	VV	170	2439	0.02%	0.001%
161	12.092	11.993	12.145	PV	372126	4065213	40.28%	2.172%
162	12.187	12.145	12.205	VV	420	8890	0.09%	0.005%
163	12.220	12.205	12.245	VV	829	12164	0.12%	0.006%
164	12.270	12.245	12.287	VV	474	9817	0.10%	0.005%
165	12.300	12.287	12.332	VV	353	5774	0.06%	0.003%
166	12.376	12.332	12.403	VV	201	4667	0.05%	0.002%
167	12.439	12.403	12.459	VV	361	6173	0.06%	0.003%
168	12.480	12.459	12.514	VV	393	8174	0.08%	0.004%
169	12.533	12.514	12.578	VV	366	5464	0.05%	0.003%
170	12.688	12.578	12.766	VV	36459	483682	4.79%	0.258%
171	12.777	12.766	12.865	VV	1307	51612	0.51%	0.028%
172	12.910	12.865	12.948	VV	1491	40180	0.40%	0.021%
173	12.957	12.948	12.995	VV	534	11001	0.11%	0.006%
174	13.024	12.995	13.048	VV	559	13163	0.13%	0.007%
175	13.088	13.048	13.118	VV	403269	4839563	47.96%	2.586%
176	13.154	13.118	13.207	VV	473061	5425277	53.76%	2.899%
177	13.229	13.207	13.268	VV	968	17079	0.17%	0.009%
178	13.277	13.268	13.295	VV	238	2726	0.03%	0.001%
179	13.337	13.295	13.375	VV	4466	53964	0.53%	0.029%
180	13.389	13.375	13.398	VV	110	981	0.01%	0.001%

181	13.456	13.398	13.484	VV	470644	5430481	53.81%	2.902%
182	13.536	13.484	13.620	VV	279526	3332142	33.02%	1.780%
183	13.650	13.620	13.668	VV	332	6694	0.07%	0.004%
184	13.704	13.668	13.761	VV	391139	4676999	46.35%	2.499%
185	13.840	13.761	13.862	VV	634	29008	0.29%	0.016%
186	13.897	13.862	13.917	VV	1167	28196	0.28%	0.015%
187	13.935	13.917	14.065	VV	6956	150770	1.49%	0.081%
188	14.083	14.065	14.103	VV	886	15684	0.16%	0.008%
189	14.135	14.103	14.185	VV	1026	28460	0.28%	0.015%
190	14.243	14.185	14.258	VV	1315	25370	0.25%	0.014%
191	14.295	14.258	14.408	VV	398397	4682018	46.40%	2.502%
192	14.424	14.408	14.444	VV	183	2789	0.03%	0.001%
193	14.468	14.444	14.505	VV	842	11284	0.11%	0.006%
194	14.524	14.505	14.566	VV	275	4618	0.05%	0.002%
195	14.574	14.566	14.609	VV	88	910	0.01%	0.000%
196	14.684	14.609	14.707	VV	600	12427	0.12%	0.007%
197	14.733	14.707	14.802	VV	2120	29717	0.29%	0.016%
198	14.862	14.802	14.893	VV	2202	35466	0.35%	0.019%
199	14.919	14.893	14.945	VV	1086	14772	0.15%	0.008%
200	14.963	14.945	15.002	VV	313	5451	0.05%	0.003%
201	15.013	15.002	15.050	VV	131	2014	0.02%	0.001%
202	15.080	15.050	15.119	PV	621	8884	0.09%	0.005%
203	15.132	15.119	15.146	PV	109	917	0.01%	0.000%
204	15.152	15.146	15.168	VV	52	419	0.00%	0.000%
205	15.199	15.168	15.221	VV	237	3423	0.03%	0.002%
206	15.243	15.221	15.298	VV	423	8204	0.08%	0.004%
207	15.347	15.298	15.367	VV	399543	5407528	53.59%	2.889%
208	15.395	15.367	15.481	VV	653990	10091378	100.00%	5.392%
209	15.491	15.481	15.553	VV	117	3170	0.03%	0.002%
210	15.575	15.553	15.598	VV	389	5382	0.05%	0.003%
211	15.603	15.598	15.627	VV	188	1840	0.02%	0.001%
212	15.640	15.627	15.671	VV	120	1742	0.02%	0.001%
213	15.702	15.671	15.719	PV	205	3331	0.03%	0.002%
214	15.735	15.719	15.743	VV	217	2083	0.02%	0.001%
215	15.780	15.743	15.875	VV	16551	254253	2.52%	0.136%
216	15.925	15.875	15.963	VV	3522	53894	0.53%	0.029%
217	16.006	15.963	16.034	VV	451	11550	0.11%	0.006%
218	16.054	16.034	16.097	VV	355	5151	0.05%	0.003%
219	16.116	16.097	16.125	PV	30	392	0.00%	0.000%

220	16.149	16.125	16.172	PV	445	6277	0.06%	0.003%
221	16.182	16.172	16.227	VV	189	3117	0.03%	0.002%
222	16.255	16.227	16.277	PV	431	6439	0.06%	0.003%
223	16.303	16.277	16.345	VV	622	11070	0.11%	0.006%
224	16.433	16.345	16.478	VV	357561	4634410	45.92%	2.476%
225	16.494	16.478	16.528	VV	144	2115	0.02%	0.001%
226	16.636	16.528	16.692	VV	567	11874	0.12%	0.006%
227	16.740	16.692	16.754	PV	309	5722	0.06%	0.003%
228	16.799	16.754	16.845	VV	1659	34462	0.34%	0.018%
229	16.914	16.845	16.930	VV	377457	5291555	52.44%	2.827%
230	16.949	16.930	16.980	VV	438001	5175563	51.29%	2.765%
231	17.045	16.980	17.124	VV	19666	275767	2.73%	0.147%
232	17.158	17.124	17.205	VV	2967	44766	0.44%	0.024%
233	17.218	17.205	17.248	VV	322	4886	0.05%	0.003%
234	17.298	17.248	17.328	VV	388883	5009021	49.64%	2.677%
235	17.387	17.328	17.425	VV	340636	4544228	45.03%	2.428%
236	17.439	17.425	17.493	VV	549	10737	0.11%	0.006%
237	17.559	17.493	17.567	VV	46	1537	0.02%	0.001%
238	17.599	17.567	17.609	PV	107	1555	0.02%	0.001%
239	17.678	17.609	17.695	VV	198	5095	0.05%	0.003%
240	17.749	17.695	17.793	PV	747	16201	0.16%	0.009%
241	17.837	17.793	17.885	VV	3448	51600	0.51%	0.028%
242	17.926	17.885	17.935	PV	199	2274	0.02%	0.001%
243	17.949	17.935	17.959	VV	149	1589	0.02%	0.001%
244	18.010	17.959	18.048	VV	390	9780	0.10%	0.005%
245	18.068	18.048	18.089	VV	136	2518	0.02%	0.001%
246	18.133	18.089	18.141	VV	380	5828	0.06%	0.003%
247	18.169	18.141	18.215	VV	3737	59798	0.59%	0.032%
248	18.281	18.215	18.345	VV	335830	4491274	44.51%	2.400%
249	18.368	18.345	18.388	VV	466	7083	0.07%	0.004%
250	18.452	18.388	18.498	VV	572	14415	0.14%	0.008%
251	18.560	18.498	18.578	PV	296	8600	0.09%	0.005%
252	18.677	18.578	18.693	VV	345464	5242846	51.95%	2.801%
253	18.716	18.693	18.762	VV	365511	4842236	47.98%	2.587%
254	18.795	18.762	18.815	VV	686	12850	0.13%	0.007%
255	18.833	18.815	18.862	VV	412	8611	0.09%	0.005%
256	18.936	18.862	18.990	VV	332437	4589494	45.48%	2.452%
257	19.054	18.990	19.071	VV	592	19884	0.20%	0.011%
258	19.116	19.071	19.163	VV	308385	4346125	43.07%	2.322%

259	19.230	19.163	19.258	VV	1290	44265	0.44%	0.024%
260	19.278	19.258	19.311	VV	764	19566	0.19%	0.010%
261	19.390	19.311	19.425	VV	903	41094	0.41%	0.022%
262	19.469	19.425	19.496	VV	9181	175068	1.73%	0.094%
263	19.517	19.496	19.562	VV	4606	104810	1.04%	0.056%
264	19.643	19.562	19.668	VV	1370	82775	0.82%	0.044%
265	19.715	19.668	19.735	VV	2428	68871	0.68%	0.037%
266	19.904	19.735	19.952	VV	310517	4592529	45.51%	2.454%
267	20.004	19.952	20.038	VV	3354	137197	1.36%	0.073%
268	20.061	20.038	20.089	VV	2717	76402	0.76%	0.041%
269	20.202	20.089	20.212	VV	3082	206144	2.04%	0.110%
270	20.249	20.212	20.260	VV	4605	108992	1.08%	0.058%
271	20.276	20.260	20.300	VV	4937	101531	1.01%	0.054%
272	20.328	20.300	20.349	VV	3702	104653	1.04%	0.056%
273	20.434	20.349	20.457	VV	6117	268642	2.66%	0.144%
274	20.541	20.457	20.578	VV	6396	371891	3.69%	0.199%
275	20.647	20.578	20.688	VV	290124	4404389	43.65%	2.353%
276	20.722	20.688	20.741	VV	5738	180446	1.79%	0.096%
277	20.812	20.741	20.845	VV	10805	478060	4.74%	0.255%
278	20.926	20.845	20.955	VV	6206	401892	3.98%	0.215%
279	21.017	20.955	21.048	VV	7014	358424	3.55%	0.192%
280	21.077	21.048	21.145	VV	6298	347379	3.44%	0.186%
281	21.254	21.145	21.378	VV	8910	882463	8.74%	0.472%
282	21.436	21.378	21.505	VV	217127	4270379	42.32%	2.282%
283	21.534	21.505	21.589	VV	4243	202563	2.01%	0.108%
284	21.603	21.589	21.718	VV	3709	267464	2.65%	0.143%
285	21.765	21.718	21.828	VV	3272	204728	2.03%	0.109%
286	21.863	21.828	21.875	VV	3287	85529	0.85%	0.046%
287	21.892	21.875	21.965	VV	3319	150064	1.49%	0.080%
288	21.984	21.965	22.102	VV	2244	160363	1.59%	0.086%
289	22.107	22.102	22.122	VV	1736	20848	0.21%	0.011%
290	22.197	22.122	22.292	VV	1816	155997	1.55%	0.083%
291	22.305	22.292	22.348	VV	1109	34049	0.34%	0.018%
292	22.438	22.348	22.580	VV	147926	3808581	37.74%	2.035%

Sum of corrected areas: 187148160



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

Manual Integration Report

Sequence:

FC061825AL

Instrument

FID_c

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

FC063025AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC069326.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:49 AM	mohammad	7/1/2025 8:54:55	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069330.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:51 AM	mohammad	7/1/2025 8:54:55	Peak Integrated by Software
PB168656BS	FC069332.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:53 AM	mohammad	7/1/2025 8:54:55	Peak Integrated by Software
PB168656BSD	FC069333.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:55 AM	mohammad	7/1/2025 8:54:55	Peak Integrated by Software
Q2452-01MS	FC069336.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:56 AM	mohammad	7/1/2025 8:54:55	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069340.D	n-Tetracontane (C40)	yogesh	7/1/2025 7:35:58 AM	mohammad	7/1/2025 8:54:55	Peak Integrated by Software

Manual Integration Report

Sequence:

FE062725AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
50 PPM ALIPHATIC HC	FE054609.D	n-Octatriacontane (C38)	yogesh	6/30/2025 7:50:48 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software
50 PPM ALIPHATIC HC	FE054609.D	n-Tetracontane (C40)	yogesh	6/30/2025 7:50:48 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software
Q2429-02	FE054617.D	ortho-Terphenyl (SURR)	yogesh	6/30/2025 7:50:50 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054624.D	n-Hexacosane (C26)	yogesh	6/30/2025 7:50:52 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE054624.D	n-Tetracontane (C40)	yogesh	6/30/2025 7:50:52 AM	mohammad	6/30/2025 9:33:27	Peak Integrated by Software



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Manual Integration Report

Sequence:

FG061325AL

Instrument

FID_g

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:

FG062725AL

Instrument

FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FG016154.D	n-Hexatriacontane (C36)	yogesh	6/30/2025 7:43:33 AM	mohammad	6/30/2025 9:34:35	Peak Integrated by Software

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC061825AL

Review By	yogesh	Review On	6/18/2025 1:05:10 PM
Supervise By	mohammad	Supervise On	6/20/2025 3:01:04 AM
SubDirectory	FC061825AL	HP Acquire Method	HP Processing Method FC061825AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069219.D	18 Jun 2025 09:57	YP/AJ	Ok
2	I.BLK	FC069220.D	18 Jun 2025 10:37	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC069221.D	18 Jun 2025 11:17	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC069222.D	18 Jun 2025 11:58	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC069223.D	18 Jun 2025 12:39	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC069224.D	18 Jun 2025 13:20	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC069225.D	18 Jun 2025 14:03	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC069226.D	18 Jun 2025 14:45	YP/AJ	Ok
9	I.BLK	FC069227.D	18 Jun 2025 15:28	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069228.D	18 Jun 2025 16:12	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC063025AL

Review By	yogesh	Review On	6/30/2025 11:49:41 AM
Supervise By	mohammad	Supervise On	7/1/2025 8:54:55 AM
SubDirectory	FC063025AL	HP Acquire Method	HP Processing Method FC061825AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069324.D	30 Jun 2025 09:45	YP/AJ	Ok
2	I.BLK	FC069325.D	30 Jun 2025 10:29	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069326.D	30 Jun 2025 11:14	YP/AJ	Ok,M
4	Q2431-02	FC069327.D	30 Jun 2025 11:59	YP/AJ	Ok
5	Q2431-05	FC069328.D	30 Jun 2025 13:01	YP/AJ	Ok
6	I.BLK	FC069329.D	30 Jun 2025 13:49	YP/AJ	Ok
7	20 PPM ALIPHATIC HC STD	FC069330.D	30 Jun 2025 14:38	YP/AJ	Ok,M
8	PB168656BL	FC069331.D	30 Jun 2025 15:28	YP/AJ	Ok
9	PB168656BS	FC069332.D	30 Jun 2025 16:17	YP/AJ	Ok,M
10	PB168656BSD	FC069333.D	30 Jun 2025 17:09	YP/AJ	Ok,M
11	Q2452-01	FC069334.D	30 Jun 2025 18:01	YP/AJ	Ok
12	Q2452-01D	FC069335.D	30 Jun 2025 18:52	YP/AJ	Ok
13	Q2452-01MS	FC069336.D	30 Jun 2025 19:42	YP/AJ	Ok,M
14	Q2452-01MSD	FC069337.D	30 Jun 2025 20:31	YP/AJ	Ok
15	Q2452-02	FC069338.D	30 Jun 2025 21:20	YP/AJ	Ok
16	I.BLK	FC069339.D	30 Jun 2025 22:54	YP/AJ	Ok
17	20 PPM ALIPHATIC HC STD	FC069340.D	30 Jun 2025 23:40	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE062725AL

Review By	yogesh	Review On	6/27/2025 12:30:13 PM
Supervise By	mohammad	Supervise On	6/30/2025 9:33:27 AM
SubDirectory	FE062725AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE054606.D	27 Jun 2025 11:53	YP\AJ	Ok
2	I.BLK	FE054607.D	27 Jun 2025 12:23	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE054608.D	27 Jun 2025 12:53	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE054609.D	27 Jun 2025 13:23	YP\AJ	Ok,M
5	20 PPM ALIPHATIC HC STD3	FE054610.D	27 Jun 2025 13:53	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE054611.D	27 Jun 2025 14:23	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE054612.D	27 Jun 2025 14:54	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE054613.D	27 Jun 2025 15:24	YP\AJ	Ok
9	I.BLK	FE054614.D	27 Jun 2025 15:54	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE054615.D	27 Jun 2025 16:24	YP\AJ	Ok
11	Q2429-01	FE054616.D	27 Jun 2025 16:54	YP\AJ	Ok
12	Q2429-02	FE054617.D	27 Jun 2025 17:25	YP\AJ	Ok,M
13	Q2431-01	FE054618.D	27 Jun 2025 17:55	YP\AJ	Ok
14	Q2431-02	FE054619.D	27 Jun 2025 18:25	YP\AJ	Not Ok
15	Q2431-03	FE054620.D	27 Jun 2025 18:55	YP\AJ	Ok
16	Q2431-04	FE054621.D	27 Jun 2025 19:25	YP\AJ	Ok
17	Q2431-05	FE054622.D	27 Jun 2025 19:56	YP\AJ	Not Ok
18	I.BLK	FE054623.D	27 Jun 2025 20:56	YP\AJ	Ok
19	20 PPM ALIPHATIC HC STD	FE054624.D	27 Jun 2025 22:57	YP\AJ	Ok,M

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG061325AL

Review By	yogesh	Review On	6/13/2025 12:52:17 PM
Supervise By	mohammad	Supervise On	6/17/2025 3:40:36 AM
SubDirectory	FG061325AL	HP Acquire Method	HP Processing Method FG061325AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG016069.D	13 Jun 2025 13:06	YP\AJ	Ok
2	I.BLK	FG016070.D	13 Jun 2025 13:35	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FG016071.D	13 Jun 2025 14:05	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FG016072.D	13 Jun 2025 14:34	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FG016073.D	13 Jun 2025 15:03	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FG016074.D	13 Jun 2025 15:33	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FG016075.D	13 Jun 2025 16:02	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FG016076.D	13 Jun 2025 16:31	YP\AJ	Ok
9	I.BLK	FG016077.D	13 Jun 2025 17:30	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FG016078.D	13 Jun 2025 18:00	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG062725AL

Review By	yogesh	Review On	6/27/2025 2:44:42 PM
Supervise By	mohammad	Supervise On	6/30/2025 9:34:35 AM
SubDirectory	FG062725AL	HP Acquire Method	HP Processing Method FG061325AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG016146.D	27 Jun 2025 11:09	YP\AJ	Ok
2	I.BLK	FG016147.D	27 Jun 2025 11:39	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FG016148.D	27 Jun 2025 12:08	YP\AJ	Ok
4	PB168639BL	FG016149.D	27 Jun 2025 12:40	YP\AJ	Ok
5	PB168639BS	FG016150.D	27 Jun 2025 13:09	YP\AJ	Ok
6	PB168639BSD	FG016151.D	27 Jun 2025 13:39	YP\AJ	Ok
7	Q2418-01	FG016152.D	27 Jun 2025 14:09	YP\AJ	Dilution
8	I.BLK	FG016153.D	27 Jun 2025 14:38	YP\AJ	Ok
9	20 PPM ALIPHATIC HC STD	FG016154.D	27 Jun 2025 15:08	YP\AJ	Ok,M
10	PB168635BL	FG016155.D	27 Jun 2025 15:37	YP\AJ	Ok
11	PB168635BS	FG016156.D	27 Jun 2025 16:07	YP\AJ	Ok
12	PB168635BSD	FG016157.D	27 Jun 2025 16:36	YP\AJ	Ok
13	Q2430-01	FG016158.D	27 Jun 2025 17:06	YP\AJ	Ok
14	Q2430-01D	FG016159.D	27 Jun 2025 17:36	YP\AJ	Ok
15	Q2430-01MS	FG016160.D	27 Jun 2025 18:05	YP\AJ	Ok
16	Q2430-01MSD	FG016161.D	27 Jun 2025 18:35	YP\AJ	Ok
17	Q2430-02	FG016162.D	27 Jun 2025 19:04	YP\AJ	Ok
18	Q2418-01DL	FG016163.D	27 Jun 2025 19:34	YP\AJ	Dilution
19	Q2418-01DL2	FG016164.D	27 Jun 2025 20:03	YP\AJ	Dilution
20	Q2418-01DL3	FG016165.D	27 Jun 2025 20:33	YP\AJ	Dilution
21	I.BLK	FG016166.D	27 Jun 2025 21:32	YP\AJ	Ok

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG062725AL

Review By	yogesh	Review On	6/27/2025 2:44:42 PM
Supervise By	mohammad	Supervise On	6/30/2025 9:34:35 AM
SubDirectory	FG062725AL	HP Acquire Method	HP Processing Method FG061325AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

22	20 PPM ALIPHATIC HC STD	FG016167.D	27 Jun 2025 22:02	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC061825AL

Review By	yogesh	Review On	6/18/2025 1:05:10 PM
Supervise By	mohammad	Supervise On	6/20/2025 3:01:04 AM
SubDirectory	FC061825AL	HP Acquire Method	HP Processing Method FC061825AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069219.D	18 Jun 2025 09:57		YP/AJ	Ok
2	I.BLK	I.BLK	FC069220.D	18 Jun 2025 10:37		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC069221.D	18 Jun 2025 11:17		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC069222.D	18 Jun 2025 11:58		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069223.D	18 Jun 2025 12:39		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC069224.D	18 Jun 2025 13:20		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC069225.D	18 Jun 2025 14:03		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069226.D	18 Jun 2025 14:45		YP/AJ	Ok
9	I.BLK	I.BLK	FC069227.D	18 Jun 2025 15:28		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069228.D	18 Jun 2025 16:12		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC063025AL

Review By	yogesh	Review On	6/30/2025 11:49:41 AM
Supervise By	mohammad	Supervise On	7/1/2025 8:54:55 AM
SubDirectory	FC063025AL	HP Acquire Method	HP Processing Method FC061825AL

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069324.D	30 Jun 2025 09:45		YP/AJ	Ok
2	I.BLK	I.BLK	FC069325.D	30 Jun 2025 10:29		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069326.D	30 Jun 2025 11:14		YP/AJ	Ok,M
4	Q2431-02	S-2	FC069327.D	30 Jun 2025 11:59		YP/AJ	Ok
5	Q2431-05	S-5	FC069328.D	30 Jun 2025 13:01		YP/AJ	Ok
6	I.BLK	I.BLK	FC069329.D	30 Jun 2025 13:49		YP/AJ	Ok
7	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069330.D	30 Jun 2025 14:38		YP/AJ	Ok,M
8	PB168656BL	PB168656BL	FC069331.D	30 Jun 2025 15:28		YP/AJ	Ok
9	PB168656BS	PB168656BS	FC069332.D	30 Jun 2025 16:17		YP/AJ	Ok,M
10	PB168656BSD	PB168656BSD	FC069333.D	30 Jun 2025 17:09		YP/AJ	Ok,M
11	Q2452-01	TP-5	FC069334.D	30 Jun 2025 18:01		YP/AJ	Ok
12	Q2452-01D	Q2452-01D	FC069335.D	30 Jun 2025 18:52		YP/AJ	Ok
13	Q2452-01MS	TP-5MS	FC069336.D	30 Jun 2025 19:42	FC069334.D	YP/AJ	Ok,M
14	Q2452-01MSD	TP-5MSD	FC069337.D	30 Jun 2025 20:31	FC069334.D!FC069336.D	YP/AJ	Ok
15	Q2452-02	TP-5-EPH	FC069338.D	30 Jun 2025 21:20		YP/AJ	Ok
16	I.BLK	I.BLK	FC069339.D	30 Jun 2025 22:54		YP/AJ	Ok
17	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069340.D	30 Jun 2025 23:40		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE062725AL

Review By	yogesh	Review On	6/27/2025 12:30:13 PM
Supervise By	mohammad	Supervise On	6/30/2025 9:33:27 AM
SubDirectory	FE062725AL	HP Acquire Method	HP Processing Method FE062725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM			
ICV/I.BLK	PP24174,PP24179		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE054606.D	27 Jun 2025 11:53		YPIAJ	Ok
2	I.BLK	I.BLK	FE054607.D	27 Jun 2025 12:23		YPIAJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FE054608.D	27 Jun 2025 12:53		YPIAJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE054609.D	27 Jun 2025 13:23		YPIAJ	Ok,M
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054610.D	27 Jun 2025 13:53		YPIAJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE054611.D	27 Jun 2025 14:23		YPIAJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE054612.D	27 Jun 2025 14:54		YPIAJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054613.D	27 Jun 2025 15:24		YPIAJ	Ok
9	I.BLK	I.BLK	FE054614.D	27 Jun 2025 15:54		YPIAJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054615.D	27 Jun 2025 16:24		YPIAJ	Ok
11	Q2429-01	TP-4	FE054616.D	27 Jun 2025 16:54		YPIAJ	Ok
12	Q2429-02	TP-4-EPH	FE054617.D	27 Jun 2025 17:25		YPIAJ	Ok,M
13	Q2431-01	S-1	FE054618.D	27 Jun 2025 17:55		YPIAJ	Ok
14	Q2431-02	Q2431-02	FE054619.D	27 Jun 2025 18:25	Need to run again	YPIAJ	Not Ok
15	Q2431-03	S-3	FE054620.D	27 Jun 2025 18:55		YPIAJ	Ok
16	Q2431-04	S-4	FE054621.D	27 Jun 2025 19:25		YPIAJ	Ok
17	Q2431-05	Q2431-05	FE054622.D	27 Jun 2025 19:56	Need to run again	YPIAJ	Not Ok
18	I.BLK	I.BLK	FE054623.D	27 Jun 2025 20:56		YPIAJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE062725AL

Review By	yogesh	Review On	6/27/2025 12:30:13 PM	
Supervise By	mohammad	Supervise On	6/30/2025 9:33:27 AM	
SubDirectory	FE062725AL	HP Acquire Method	HP Processing Method	FE062725AL
STD. NAME	STD REF.#			
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178			
CCC Internal Standard/PEM	PP24176			
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179			

19	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE054624.D	27 Jun 2025 22:57		YP\AJ	Ok,M

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG061325AL

Review By	yogesh	Review On	6/13/2025 12:52:17 PM
Supervise By	mohammad	Supervise On	6/17/2025 3:40:36 AM
SubDirectory	FG061325AL	HP Acquire Method	HP Processing Method FG061325AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FG016069.D	13 Jun 2025 13:06		YP\AJ	Ok
2	I.BLK	I.BLK	FG016070.D	13 Jun 2025 13:35		YP\AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FG016071.D	13 Jun 2025 14:05		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FG016072.D	13 Jun 2025 14:34		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016073.D	13 Jun 2025 15:03		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FG016074.D	13 Jun 2025 15:33		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FG016075.D	13 Jun 2025 16:02		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016076.D	13 Jun 2025 16:31		YP\AJ	Ok
9	I.BLK	I.BLK	FG016077.D	13 Jun 2025 17:30		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016078.D	13 Jun 2025 18:00		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG062725AL

Review By	yogesh	Review On	6/27/2025 2:44:42 PM
Supervise By	mohammad	Supervise On	6/30/2025 9:34:35 AM
SubDirectory	FG062725AL	HP Acquire Method	HP Processing Method FG061325AL

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC Internal Standard/PEM	PP24176
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FG016146.D	27 Jun 2025 11:09		YP\AJ	Ok
2	I.BLK	I.BLK	FG016147.D	27 Jun 2025 11:39		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016148.D	27 Jun 2025 12:08		YP\AJ	Ok
4	PB168639BL	PB168639BL	FG016149.D	27 Jun 2025 12:40		YP\AJ	Ok
5	PB168639BS	PB168639BS	FG016150.D	27 Jun 2025 13:09	naphthalene break down - 0.533, 2-methylnephthalene break down - 0.466	YP\AJ	Ok
6	PB168639BSD	PB168639BSD	FG016151.D	27 Jun 2025 13:39	naphthalene break down - 0.544, 2-methylnephthalene break down - 0.461	YP\AJ	Ok
7	Q2418-01	VAC-TRUCK-4074	FG016152.D	27 Jun 2025 14:09	need 5x&100x&500x dilution	YP\AJ	Dilution
8	I.BLK	I.BLK	FG016153.D	27 Jun 2025 14:38		YP\AJ	Ok
9	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016154.D	27 Jun 2025 15:08		YP\AJ	Ok,M
10	PB168635BL	PB168635BL	FG016155.D	27 Jun 2025 15:37		YP\AJ	Ok
11	PB168635BS	PB168635BS	FG016156.D	27 Jun 2025 16:07		YP\AJ	Ok
12	PB168635BSD	PB168635BSD	FG016157.D	27 Jun 2025 16:36		YP\AJ	Ok
13	Q2430-01	MH-E/F	FG016158.D	27 Jun 2025 17:06		YP\AJ	Ok
14	Q2430-01D	Q2430-01D	FG016159.D	27 Jun 2025 17:36		YP\AJ	Ok
15	Q2430-01MS	MH-E/FMS	FG016160.D	27 Jun 2025 18:05	FG016158.D	YP\AJ	Ok
16	Q2430-01MSD	MH-E/FMSD	FG016161.D	27 Jun 2025 18:35	FG016158.D\FG016160.D	YP\AJ	Ok

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG062725AL

Review By	yogesh	Review On	6/27/2025 2:44:42 PM
Supervise By	mohammad	Supervise On	6/30/2025 9:34:35 AM
SubDirectory	FG062725AL	HP Acquire Method	HP Processing Method FG061325AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

17	Q2430-02	MH-E/F-EPH	FG016162.D	27 Jun 2025 19:04		YP\AJ	Ok
18	Q2418-01DL	VAC-TRUCK-4074DL	FG016163.D	27 Jun 2025 19:34	need further dilution	YP\AJ	Dilution
19	Q2418-01DL2	VAC-TRUCK-4074DL2	FG016164.D	27 Jun 2025 20:03	need further dilution	YP\AJ	Dilution
20	Q2418-01DL3	VAC-TRUCK-4074DL3	FG016165.D	27 Jun 2025 20:33	need further dilution	YP\AJ	Dilution
21	I.BLK	I.BLK	FG016166.D	27 Jun 2025 21:32		YP\AJ	Ok
22	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG016167.D	27 Jun 2025 22:02		YP\AJ	Ok

M : Manual Integration

SOP ID: MNJDEP-EPH-8

Clean Up SOP #: N/A

Matrix: Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 06/27/2025

Extraction Start Time: 08:30

Extraction End Date: 06/27/2025

Extraction End Time: 12:45

Concentration By: EH

Supervisor By: RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standardized Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24625
Surrogate	1.0ML	100 PPM	PP24652
Fractionation Surrogate	1.0ML	100 PPM	PP24647
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	EP2612
Baked Na2SO4	N/A	EP2624
Sand	N/A	E2865
Hexane	N/A	E3947
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

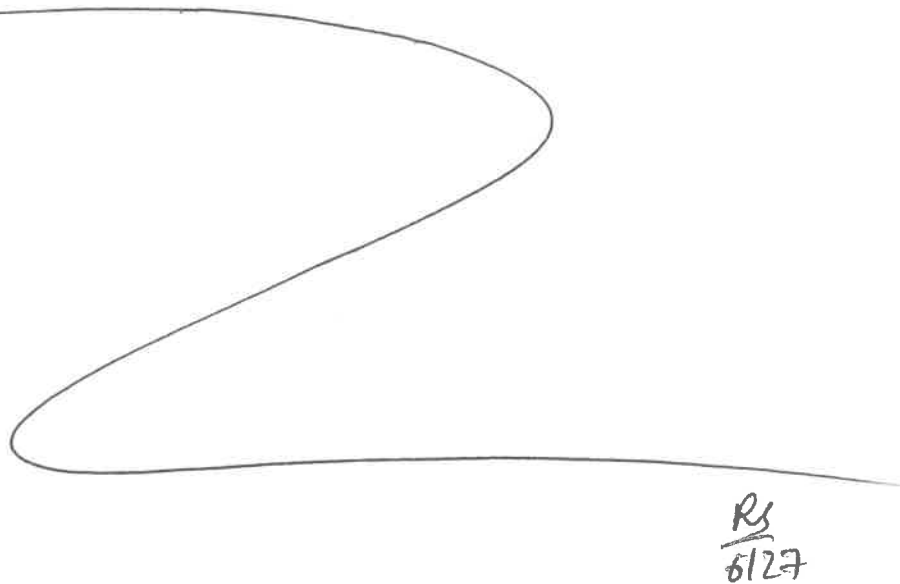
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/27/25	RS (Ext Lab)	Y-P-PESTIPUB
12:50	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-8

Concentration Date: 06/27/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168635BL	PB168635BL	EPH_NF	30.01	N/A	ritesh	Evelyn	2			U6-1
PB168635BS	PB168635BS	EPH_NF	30.02	N/A	ritesh	Evelyn	2			2
PB168635BSD	PB168635BSD	EPH_NF	30.02	N/A	ritesh	Evelyn	2			3
Q2429-01	TP-4	EPH_NF	30.06	N/A	ritesh	Evelyn	2	E		4
Q2429-02	TP-4-EPH	EPH_NF	30.08	N/A	ritesh	Evelyn	2			5
Q2430-01	MH-E/F	EPH_NF	30.03	N/A	ritesh	Evelyn	2	E		6
Q2430-01DUP	MH-E/FDUP	EPH_NF	30.01	N/A	ritesh	Evelyn	2	E		U1-1
Q2430-01MS	MH-E/FMS	EPH_NF	30.05	N/A	ritesh	Evelyn	2	E		2
Q2430-01MSD	MH-E/FMSD	EPH_NF	30.04	N/A	ritesh	Evelyn	2	E		3
Q2430-02	MH-E/F-EPH	EPH_NF	30.07	N/A	ritesh	Evelyn	2			4
Q2431-01	S-1	EPH_NF	30.04	N/A	ritesh	Evelyn	2			5
Q2431-02	S-2	EPH_NF	30.06	N/A	ritesh	Evelyn	2			6
Q2431-03	S-3	EPH_NF	30.02	N/A	ritesh	Evelyn	2			U2-1
Q2431-04	S-4	EPH_NF	30.01	N/A	ritesh	Evelyn	2			2
Q2431-05	S-5	EPH_NF	30.04	N/A	ritesh	Evelyn	2			3



168391
03:08

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2431 WorkList ID : 190431 Department : Extraction Date : 06-27-2025 08:25:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2429-01	TP-4	Solid	EPH_NF	Cool 4 deg C	PSEG03	A53	06/26/2025	NJEPH
Q2429-02	TP-4-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	A53	06/26/2025	NJEPH
Q2430-01	MH-E/F	Solid	EPH_NF	Cool 4 deg C	PSEG03	A53	06/26/2025	NJEPH
Q2430-02	MH-E/F-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	A53	06/26/2025	NJEPH
Q2431-01	S-1	Solid	EPH_NF	Cool 4 deg C	EARTH03	A61	06/25/2025	NJEPH
Q2431-02	S-2	Solid	EPH_NF	Cool 4 deg C	EARTH03	A61	06/25/2025	NJEPH
Q2431-03	S-3	Solid	EPH_NF	Cool 4 deg C	EARTH03	A61	06/25/2025	NJEPH
Q2431-04	S-4	Solid	EPH_NF	Cool 4 deg C	EARTH03	A61	06/25/2025	NJEPH
Q2431-05	S-5	Solid	EPH_NF	Cool 4 deg C	EARTH03	A61	06/25/2025	NJEPH

Date/Time 06/27/25 8:25
Raw Sample Received by: RS C-CL-1064
Raw Sample Relinquished by: CL SM

Date/Time 06/27/25 8:40
Raw Sample Received by: CL SM
Raw Sample Relinquished by: RS C-CL-1064

LAB CHRONICLE

OrderID: Q2431
Client: Earth Engineering Inc.
Contact: Frank Dougherty, LSRP

OrderDate: 6/26/2025 12:47:00 PM
Project: 1710 N4 Ave
Location: A61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2431-01	S-1	Solid	EPH_NF	NJEPH	06/25/25	06/27/25	06/27/25	06/26/25
Q2431-02	S-2	Solid	EPH_NF	NJEPH	06/25/25	06/27/25	06/30/25	06/26/25
Q2431-03	S-3	Solid	EPH_NF	NJEPH	06/25/25	06/27/25	06/27/25	06/26/25
Q2431-04	S-4	Solid	EPH_NF	NJEPH	06/25/25	06/27/25	06/27/25	06/26/25
Q2431-05	S-5	Solid	EPH_NF	NJEPH	06/25/25	06/27/25	06/30/25	06/26/25