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

LAB CHRONICLE

OrderID:	P4385	**OrderDate:**	10/10/2024 2:00:00 PM
Client:	Scheideler Excavating Co. Inc.	**Project:**	Robbinsville
Contact:	Jim Scheideler	**Location:**	K51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4385-02	**SP-1**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-04	**SP-2**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-06	**SP-3**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-08	**SP-4**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-10	**SP-5**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-12	**SP-6**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-14	**SP-7**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-16	**SP-8**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-18	**SP-9**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-20	**SP-10**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	

SAMPLE DATA

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 15:32	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	17.0		1	1.92	2.14	mg/kg	FE050620.D
Aliphatic C9-C28	Aliphatic C9-C28	2.07	J	1	1.84	4.27	mg/kg	FE050620.D
Total AliphaticEPH	Total AliphaticEPH	19.1			3.76	6.41	mg/kg	
Total EPH	Total EPH	19.1			3.76	6.41	mg/kg	

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
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
FE050620.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.07	J	1.84	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		17.0		1.92	2.14	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		31.8		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		30.6		40 - 140	61%	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:	P4385-02	Acq On:	11 Oct 2024 15:32
Client Sample ID:	SP-1	Operator:	YP\AJ
Data file:	FE050620.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	3.149	6.765	345167	2.415	300	ug/ml
Aliphatic C12-C16	6.766	10.197	591759	4.078	200	ug/ml
Aliphatic C16-C21	10.198	13.555	1496062	10.36	300	ug/ml
Aliphatic C21-C28	13.556	17.208	2081964	14.646	400	ug/ml
Aliphatic C28-C40	17.209	22.055	32993289	238.558	600	ug/ml
Aliphatic EPH	3.149	22.055	37508241	270.057		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	4821614	30.58		ug/ml
1-chlorooctadecane (SURR)	13.292	13.292	3766126	31.84		ug/ml
Aliphatic C9-C28	3.149	17.208	4514952	31.499	1200	ug/ml

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95
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
10/11/24 09:55	10/11/24 16:03	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	13.0		1	1.89	2.10	mg/kg	FE050621.D
Aliphatic C9-C28	Aliphatic C9-C28	2.28	J	1	1.81	4.20	mg/kg	FE050621.D
Total AliphaticEPH	Total AliphaticEPH	15.3			3.70	6.30	mg/kg	
Total EPH	Total EPH	15.3			3.70	6.30	mg/kg	

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95
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
FE050621.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.28	J	1.81	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		13.0		1.89	2.10	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		31.2		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		29.1		40 - 140	58%	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:	P4385-04	Acq On:	11 Oct 2024 16:03
Client Sample ID:	SP-2	Operator:	YP\AJ
Data file:	FE050621.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	374816	2.623	300	ug/ml
Aliphatic C12-C16	6.766	10.197	683247	4.708	200	ug/ml
Aliphatic C16-C21	10.198	13.555	1674238	11.594	300	ug/ml
Aliphatic C21-C28	13.556	17.208	2302738	16.199	400	ug/ml
Aliphatic C28-C40	17.209	22.055	25652385	185.479	600	ug/ml
Aliphatic EPH	3.149	22.055	30687424	220.603		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	4584915	29.08		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	3690747	31.2		ug/ml
Aliphatic C9-C28	3.149	17.208	5035039	35.124	1200	ug/ml

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 16:33	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.82		1	1.91	2.12	mg/kg	FE050622.D
Aliphatic C9-C28	Aliphatic C9-C28	2.58	J	1	1.83	4.24	mg/kg	FE050622.D
Total AliphaticEPH	Total AliphaticEPH	12.4			3.73	6.36	mg/kg	
Total EPH	Total EPH	12.4			3.73	6.36	mg/kg	

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.1
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
FE050622.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.58	J	1.83	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		9.82		1.91	2.12	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		27.9		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		26.3		40 - 140	53%	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:	P4385-06	Acq On:	11 Oct 2024 16:33
Client Sample ID:	SP-3	Operator:	YP\AJ
Data file:	FE050622.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	3.149	6.765	508737	3.56	300	ug/ml
Aliphatic C12-C16	6.766	10.197	606987	4.183	200	ug/ml
Aliphatic C16-C21	10.198	13.555	4647470	32.184	300	ug/ml
Aliphatic C21-C28	13.556	17.208	1627070	11.446	400	ug/ml
Aliphatic C28-C40	17.209	22.055	19199457	138.821	600	ug/ml
Aliphatic EPH	3.149	22.055	26589721	190.194		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	4150307	26.33		ug/ml
1-chlorooctadecane (SURR)	13.291	13.291	3298795	27.89		ug/ml
Aliphatic C9-C28	3.149	17.208	7390264	51.373	1200	ug/ml

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	99.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 17:03	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.87		1	1.81	2.02	mg/kg	FE050623.D
Aliphatic C9-C28	Aliphatic C9-C28	1.73	U	1	1.73	4.03	mg/kg	FE050623.D
Total AliphaticEPH	Total AliphaticEPH	7.87			3.54	6.05	mg/kg	
Total EPH	Total EPH	7.87			3.54	6.05	mg/kg	

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	99.1
Sample Wt/Vol:	30.03 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
FE050623.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		1.73	U	1.73	4.03	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		7.87		1.81	2.02	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		34.2		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		32.3		40 - 140	65%	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:	P4385-08	Acq On:	11 Oct 2024 17:03
Client Sample ID:	SP-4	Operator:	YP\AJ
Data file:	FE050623.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	3.149	6.765	341152	2.387	300	ug/ml
Aliphatic C12-C16	6.766	10.197	627220	4.322	200	ug/ml
Aliphatic C16-C21	10.198	13.555	915798	6.342	300	ug/ml
Aliphatic C21-C28	13.556	17.208	1403695	9.874	400	ug/ml
Aliphatic C28-C40	17.209	22.055	16198653	117.124	600	ug/ml
Aliphatic EPH	3.149	22.055	19486518	140.05		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	5086040	32.26		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	4043373	34.18		ug/ml
Aliphatic C9-C28	3.149	17.208	3287865	22.925	1200	ug/ml

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 17:33	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.8		1	1.92	2.14	mg/kg	FE050624.D
Aliphatic C9-C28	Aliphatic C9-C28	5.45		1	1.84	4.27	mg/kg	FE050624.D
Total AliphaticEPH	Total AliphaticEPH	17.3			3.76	6.41	mg/kg	
Total EPH	Total EPH	17.3			3.76	6.41	mg/kg	

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
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
FE050624.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.45		1.84	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.8		1.92	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.9		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.8		40 - 140	74%	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:	P4385-10	Acq On:	11 Oct 2024 17:33
Client Sample ID:	SP-5	Operator:	YP\AJ
Data file:	FE050624.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	374311	2.619	300	ug/ml
Aliphatic C12-C16	6.766	10.197	999153	6.885	200	ug/ml
Aliphatic C16-C21	10.198	13.555	7590816	52.568	300	ug/ml
Aliphatic C21-C28	13.556	17.208	2433355	17.118	400	ug/ml
Aliphatic C28-C40	17.209	22.055	22915987	165.694	600	ug/ml
Aliphatic EPH	3.149	22.055	34313622	244.883		ug/ml
ortho-Terphenyl (SURR)	11.860	11.860	5805451	36.82		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	4602122	38.9		ug/ml
Aliphatic C9-C28	3.149	17.208	11397635	79.19	1200	ug/ml

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-12	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 18:03	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.74		1	1.93	2.14	mg/kg	FE050625.D
Aliphatic C9-C28	Aliphatic C9-C28	1.85	U	1	1.85	4.29	mg/kg	FE050625.D
Total AliphaticEPH	Total AliphaticEPH	8.74			3.77	6.42	mg/kg	
Total EPH	Total EPH	8.74			3.77	6.42	mg/kg	

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-12	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93
Sample Wt/Vol:	30.08 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
FE050625.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		1.85	U	1.85	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		8.74		1.93	2.14	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		31.0		40 - 140	62%	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:	P4385-12	Acq On:	11 Oct 2024 18:03
Client Sample ID:	SP-6	Operator:	YP\AJ
Data file:	FE050625.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	330303	2.311	300	ug/ml
Aliphatic C12-C16	6.766	10.197	632628	4.359	200	ug/ml
Aliphatic C16-C21	10.198	13.555	1176503	8.147	300	ug/ml
Aliphatic C21-C28	13.556	17.208	1582361	11.131	400	ug/ml
Aliphatic C28-C40	17.209	22.055	16901447	122.206	600	ug/ml
Aliphatic EPH	3.149	22.055	20623242	148.155		ug/ml
ortho-Terphenyl (SURR)	11.858	11.858	4889673	31.01		ug/ml
1-chlorooctadecane (SURR)	13.292	13.292	3848721	32.54		ug/ml
Aliphatic C9-C28	3.149	17.208	3721795	25.948	1200	ug/ml

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 18:33	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	18.8		1	1.92	2.13	mg/kg	FE050626.D
Aliphatic C9-C28	Aliphatic C9-C28	2.84	J	1	1.83	4.25	mg/kg	FE050626.D
Total AliphaticEPH	Total AliphaticEPH	21.6			3.75	6.38	mg/kg	
Total EPH	Total EPH	21.6			3.75	6.38	mg/kg	

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.8
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
FE050626.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.84	J	1.83	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.8		1.92	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.9		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.1		40 - 140	70%	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:	P4385-14	Acq On:	11 Oct 2024 18:33
Client Sample ID:	SP-7	Operator:	YP\AJ
Data file:	FE050626.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	366618	2.566	300	ug/ml
Aliphatic C12-C16	6.766	10.197	1033504	7.122	200	ug/ml
Aliphatic C16-C21	10.198	13.555	1869158	12.944	300	ug/ml
Aliphatic C21-C28	13.556	17.208	2838534	19.968	400	ug/ml
Aliphatic C28-C40	17.209	22.055	36607225	264.688	600	ug/ml
Aliphatic EPH	3.149	22.055	42715039	307.287		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	5534332	35.1		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	4361696	36.87		ug/ml
Aliphatic C9-C28	3.149	17.208	6107814	42.6	1200	ug/ml

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
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
10/11/24 09:55	10/11/24 19:03	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	14.8		1	1.91	2.12	mg/kg	FE050627.D
Aliphatic C9-C28	Aliphatic C9-C28	2.42	J	1	1.82	4.24	mg/kg	FE050627.D
Total AliphaticEPH	Total AliphaticEPH	17.2			3.73	6.36	mg/kg	
Total EPH	Total EPH	17.2			3.73	6.36	mg/kg	

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
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
FE050627.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.42	J	1.82	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		14.8		1.91	2.12	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		35.8		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		33.9		40 - 140	68%	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:	P4385-16	Acq On:	11 Oct 2024 19:03
Client Sample ID:	SP-8	Operator:	YP\AJ
Data file:	FE050627.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	336259	2.353	300	ug/ml
Aliphatic C12-C16	6.766	10.197	963389	6.639	200	ug/ml
Aliphatic C16-C21	10.198	13.555	1731454	11.991	300	ug/ml
Aliphatic C21-C28	13.556	17.208	2222112	15.632	400	ug/ml
Aliphatic C28-C40	17.209	22.055	28880071	208.817	600	ug/ml
Aliphatic EPH	3.149	22.055	34133285	245.431		ug/ml
ortho-Terphenyl (SURR)	11.860	11.860	5340080	33.87		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	4230197	35.76		ug/ml
Aliphatic C9-C28	3.149	17.208	5253214	36.615	1200	ug/ml

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 19:33	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	16.0		1	1.92	2.14	mg/kg	FE050628.D
Aliphatic C9-C28	Aliphatic C9-C28	2.49	J	1	1.84	4.27	mg/kg	FE050628.D
Total AliphaticEPH	Total AliphaticEPH	18.5			3.76	6.41	mg/kg	
Total EPH	Total EPH	18.5			3.76	6.41	mg/kg	

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.07 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
FE050628.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.49	J	1.84	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.0		1.92	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.7		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.0		40 - 140	64%	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:	P4385-18	Acq On:	11 Oct 2024 19:33
Client Sample ID:	SP-9	Operator:	YP\AJ
Data file:	FE050628.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	350641	2.454	300	ug/ml
Aliphatic C12-C16	6.766	10.197	823698	5.676	200	ug/ml
Aliphatic C16-C21	10.198	13.555	1788388	12.385	300	ug/ml
Aliphatic C21-C28	13.556	17.208	2390242	16.814	400	ug/ml
Aliphatic C28-C40	17.209	22.055	31149150	225.224	600	ug/ml
Aliphatic EPH	3.149	22.055	36502119	262.553		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	5051468	32.04		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	3984071	33.68		ug/ml
Aliphatic C9-C28	3.149	17.208	5352969	37.329	1200	ug/ml

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.4
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
10/11/24 09:55	10/11/24 20:04	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	15.0		1	1.90	2.12	mg/kg	FE050629.D
Aliphatic C9-C28	Aliphatic C9-C28	3.91	J	1	1.82	4.24	mg/kg	FE050629.D
Total AliphaticEPH	Total AliphaticEPH	18.9			3.72	6.36	mg/kg	
Total EPH	Total EPH	18.9			3.72	6.36	mg/kg	

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.4
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
FE050629.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.91	J	1.82	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.0		1.90	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.4		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.8		40 - 140	64%	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:	P4385-20	Acq On:	11 Oct 2024 20:04
Client Sample ID:	SP-10	Operator:	YP\AJ
Data file:	FE050629.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	329564	2.306	300	ug/ml
Aliphatic C12-C16	6.766	10.197	769523	5.303	200	ug/ml
Aliphatic C16-C21	10.198	13.555	5435124	37.639	300	ug/ml
Aliphatic C21-C28	13.556	17.208	1793381	12.616	400	ug/ml
Aliphatic C28-C40	17.209	22.055	29439615	212.863	600	ug/ml
Aliphatic EPH	3.149	22.055	37767207	270.726		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	5013767	31.8		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	3951180	33.4		ug/ml
Aliphatic C9-C28	3.149	17.208	8327592	57.864	1200	ug/ml

QC SUMMARY

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM CASE No.: P4385 SAS No.: P4385 SDG No.: P4385

Run Number: FC101124AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
OR-02-100924MS	79	73		0
OR-02-100924MSD	80	73		0
PB164070BL	69	66		0
PB164070BS	74	71		0
PB164070BSD	77	74		0

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

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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM CASE No.: P4385 SAS No.: P4385 SDG No.: P4385

Run Number: FE101224AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
SP-1	64	61		0
SP-2	62	58		0
SP-3	56	53		0
SP-4	68	65		0
SP-5	78	74		0
SP-6	65	62		0
SP-7	74	70		0
SP-8	72	68		0
SP-9	67	64		0
SP-10	67	64		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

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

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

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

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Scheideler Excavating Co. Inc.

Lab Code: CHEM **Cas No:** P4385 **SAS No :** P4385 **SDG No:** P4385

Sample No : P4376-01MS **Datafile:** FC067405.D

Client ID : OR-02-100924MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	31.6	35.4	73.1	119		(40-140)
Aliphatic C9-C28	105.4	12.4	72.8	57		(40-140)

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

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Scheideler Excavating Co. Inc.

Lab Code: CHEM **Cas No:** P4385 **SAS No :** P4385 **SDG No:** P4385

Sample No : P4376-01MSD **Datafile:** FC067406.D

Client ID : OR-02-100924MSD

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	31.6	35.4	74.2	122		2.49 |	(40-140)	25
Aliphatic C9-C28	105.3	12.4	70.7	55		3.7 |	(40-140)	25

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

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Scheideler Excavating Co. Inc.

Lab Code: CHEM **Cas No:** P4385 **SAS No :** P4385 **SDG No:** P4385

Sample No : PB164070BS **Datafile:** FC067401.D

Client ID : PB164070BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	30.0	27.2	91		(40-140)
Aliphatic C9-C28	100.1	70.8	71		(40-140)

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

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Scheideler Excavating Co. Inc.

Lab Code: CHEM **Cas No:** P4385 **SAS No :** P4385 **SDG No:** P4385

Sample No : PB164070BSD **Datafile:** FC067402.D

Client ID : PB164070BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	30.0	27.8	93		2.2|	(40-140)	50
Aliphatic C9-C28	99.9	74.2	75		4.7|	(40-140)	50

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

4B

METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164070BL

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

Instrument ID: FID_C Lab Sample ID: PB164070BL

Matrix: (soil/water) Solid Date Extracted: 10/11/2024 9:55:00

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB164070BS	PB164070BS
PB164070BSD	PB164070BSD
OR-02-100924MS	P4376-01MS
OR-02-100924MSD	P4376-01MSD
SP-1	P4385-02
SP-2	P4385-04
SP-3	P4385-06
SP-4	P4385-08
SP-5	P4385-10
SP-6	P4385-12
SP-7	P4385-14
SP-8	P4385-16
SP-9	P4385-18
SP-10	P4385-20

COMMENTS:

QC SAMPLE DATA

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164070BL	SDG No.:	P4385
Lab Sample ID:	PB164070BL	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
10/11/24 09:55	10/11/24 14:12	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC067400.D
Aliphatic C9-C28	Aliphatic C9-C28	1.72	U	1	1.72	3.99	mg/kg	FC067400.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	5.99	mg/kg	
Total EPH	Total EPH	3.52	U		3.52	5.99	mg/kg	

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164070BL	SDG No.:	P4385
Lab Sample ID:	PB164070BL	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
FC067400.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		1.72	U	1.72	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.80	U	1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		34.4		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		33.0		40 - 140	66%	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:	PB164070BL	Acq On:	11 Oct 2024 14:12
Client Sample ID:	PB164070BL	Operator:	YP/AJ
Data file:	FC067400.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	3.175	6.457	0	0	300	ug/ml
Aliphatic C12-C16	6.458	9.848	0	0	200	ug/ml
Aliphatic C16-C21	9.849	13.207	0	0	300	ug/ml
Aliphatic C21-C28	13.208	16.862	0	0	400	ug/ml
Aliphatic C28-C40	16.863	21.712	0	0	600	ug/ml
Aliphatic EPH	3.175	21.712	0	0		ug/ml
ortho-Terphenyl (SURR)	11.501	11.501	5017691	32.98		ug/ml
1-chlorooctadecane (SURR)	12.940	12.940	3893672	34.4		ug/ml
Aliphatic C9-C28	3.175	16.862	0	0	1200	ug/ml

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164070BS	SDG No.:	P4385
Lab Sample ID:	PB164070BS	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
10/11/24 09:55	10/11/24 14:49	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	27.2		1	1.80	2.00	mg/kg	FC067401.D
Aliphatic C9-C28	Aliphatic C9-C28	70.8		1	1.72	4.00	mg/kg	FC067401.D
Total AliphaticEPH	Total AliphaticEPH	98.0			3.52	6.00	mg/kg	
Total EPH	Total EPH	98.0			3.52	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

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164070BS	SDG No.:	P4385
Lab Sample ID:	PB164070BS	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
FC067401.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		70.8		1.72	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		27.2		1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		37.0		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		35.4		40 - 140	71%	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:	PB164070BS	Acq On:	11 Oct 2024 14:49
Client Sample ID:	PB164070BS	Operator:	YP/AJ
Data file:	FC067401.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	3.175	6.457	24435479	190.375	300	ug/ml
Aliphatic C12-C16	6.458	9.848	31896095	243.56	200	ug/ml
Aliphatic C16-C21	9.849	13.207	36586203	278.273	300	ug/ml
Aliphatic C21-C28	13.208	16.862	44462454	350.585	400	ug/ml
Aliphatic C28-C40	16.863	21.712	43021133	408.885	600	ug/ml
Aliphatic EPH	3.175	21.712	180401364	1470		ug/ml
ortho-Terphenyl (SURR)	11.503	11.503	5384385	35.39		ug/ml
1-chlorooctadecane (SURR)	12.940	12.940	4182641	36.95		ug/ml
Aliphatic C9-C28	3.175	16.862	137380231	1060	1200	ug/ml

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164070BSD	SDG No.:	P4385
Lab Sample ID:	PB164070BSD	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
10/11/24 09:55	10/11/24 15:25	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	27.8		1	1.80	2.00	mg/kg	FC067402.D
Aliphatic C9-C28	Aliphatic C9-C28	74.2		1	1.72	3.99	mg/kg	FC067402.D
Total AliphaticEPH	Total AliphaticEPH	102			3.52	5.99	mg/kg	
Total EPH	Total EPH	102			3.52	5.99	mg/kg	

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164070BSD	SDG No.:	P4385
Lab Sample ID:	PB164070BSD	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
FC067402.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		74.2		1.72	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		27.8		1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.7		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		37.1		40 - 140	74%	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:	PB164070BSD	Acq On:	11 Oct 2024 15:25
Client Sample ID:	PB164070BSD	Operator:	YP/AJ
Data file:	FC067402.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	25660178	199.916	300	ug/ml
Aliphatic C12-C16	6.458	9.848	33412457	255.139	200	ug/ml
Aliphatic C16-C21	9.849	13.207	38352971	291.711	300	ug/ml
Aliphatic C21-C28	13.208	16.862	46650565	367.838	400	ug/ml
Aliphatic C28-C40	16.863	21.712	43888549	417.129	600	ug/ml
Aliphatic EPH	3.175	21.712	187964720	1530		ug/ml
ortho-Terphenyl (SURR)	11.503	11.503	5645722	37.1		ug/ml
1-chlorooctadecane (SURR)	12.941	12.941	4381848	38.71		ug/ml
Aliphatic C9-C28	3.175	16.862	144076171	1110	1200	ug/ml

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	OR-02-100924MS	SDG No.:	P4385
Lab Sample ID:	P4376-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 17:15	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	73.1	E	1	1.90	2.11	mg/kg	FC067405.D
Aliphatic C9-C28	Aliphatic C9-C28	72.8		1	1.81	4.20	mg/kg	FC067405.D
Total AliphaticEPH	Total AliphaticEPH	146			3.71	6.31	mg/kg	
Total EPH	Total EPH	146			3.71	6.31	mg/kg	

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	OR-02-100924MS	SDG No.:	P4385
Lab Sample ID:	P4376-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.8
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
FC067405.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		72.8		1.81	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		73.1	E	1.90	2.11	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		39.3		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		36.3		40 - 140	73%	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:	P4376-01MS	Acq On:	11 Oct 2024 17:15
Client Sample ID:	OR-02-100924MS	Operator:	YP/AJ
Data file:	FC067405.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	17812741	138.778	300	ug/ml
Aliphatic C12-C16	6.458	9.848	28480646	217.48	200	ug/ml
Aliphatic C16-C21	9.849	13.207	43424263	330.283	300	ug/ml
Aliphatic C21-C28	13.208	16.862	44437861	350.391	400	ug/ml
Aliphatic C28-C40	16.863	21.712	109512902	1040	600	ug/ml
Aliphatic EPH	3.175	21.712	243668413	2080		ug/ml
ortho-Terphenyl (SURR)	11.505	11.505	5522779	36.3		ug/ml
1-chlorooctadecane (SURR)	12.943	12.943	4447580	39.29		ug/ml
Aliphatic C9-C28	3.175	16.862	134155511	1040	1200	ug/ml

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	OR-02-100924MSD	SDG No.:	P4385
Lab Sample ID:	P4376-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 17:52	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	74.2	E	1	1.89	2.11	mg/kg	FC067406.D
Aliphatic C9-C28	Aliphatic C9-C28	70.7		1	1.81	4.20	mg/kg	FC067406.D
Total AliphaticEPH	Total AliphaticEPH	145			3.70	6.31	mg/kg	
Total EPH	Total EPH	145			3.70	6.31	mg/kg	

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	OR-02-100924MSD	SDG No.:	P4385
Lab Sample ID:	P4376-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.8
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
FC067406.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		70.7		1.81	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		74.2	E	1.89	2.11	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		40.1		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		36.7		40 - 140	73%	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:	P4376-01MSD	Acq On:	11 Oct 2024 17:52
Client Sample ID:	OR-02-100924MSD	Operator:	YP/AJ
Data file:	FC067406.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	18042280	140.566	300	ug/ml
Aliphatic C12-C16	6.458	9.848	28894181	220.638	200	ug/ml
Aliphatic C16-C21	9.849	13.207	38150608	290.171	300	ug/ml
Aliphatic C21-C28	13.208	16.862	45083491	355.482	400	ug/ml
Aliphatic C28-C40	16.863	21.712	111205034	1060	600	ug/ml
Aliphatic EPH	3.175	21.712	241375594	2060		ug/ml
ortho-Terphenyl (SURR)	11.507	11.507	5578238	36.66		ug/ml
1-chlorooctadecane (SURR)	12.944	12.944	4537994	40.09		ug/ml
Aliphatic C9-C28	3.175	16.862	130170560	1010	1200	ug/ml

CALIBRATION SUMMARY

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

Inital Calibration Report for SequenceID : FC100224AL

AreaCount

Parameter Range	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.D	
Aliphatic C9-C12	36157754.000	18468554.000	7796622.000	3912320.000	2066528.000	
Aliphatic C12-C16	24671572.000	12642565.000	5319639.000	2676246.000	1382016.000	
Aliphatic C16-C21	36539622.000	18852548.000	8005327.000	4100822.000	2096729.000	
Aliphatic C21-C28	47235980.000	24590379.000	10215208.000	5219473.000	2697991.000	
Aliphatic C28-C40	57341685.000	29822245.000	12674884.000	6440179.000	3544258.000	
Aliphatic EPH	201946613.000	104376291.000	44011680.000	22349040.000	11787522.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	128354.4879996	5.284				
Aliphatic C12-C16	130957.677	4.567				
Aliphatic C16-C21	131476.1019996	5.732				
Aliphatic C21-C28	126823.664	5.15				
Aliphatic C28-C40	105215.848333	8.211				
Aliphatic EPH	121110.9372216	6.036				

Concentration

Parameter Range	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.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	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.D	
Aliphatic C9-C12	120525.846666	123123.693333	129943.700000	130410.666666	137768.533333	
Aliphatic C12-C16	123357.860000	126425.650000	132990.975000	133812.300000	138201.600000	
Aliphatic C16-C21	121798.740000	125683.653333	133422.116666	136694.066666	139781.933333	

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

Inital Calibration Report for SequenceID : FC100224AL

Aliphatic C21-C28	118089.950000	122951.895000	127690.100000	130486.825000	134899.550000	
Aliphatic C28-C40	95569.475000	99407.483333	105624.033333	107336.316666	118141.933333	
Aliphatic EPH	112192.562777	115973.656666	122254.666666	124161.333333	130972.466666	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067312.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 10:32
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

A B C D E F

Integration File: autoint1.e
Quant Time: Oct 01 09:09:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
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)	11.507	14031279	90.846 ug/ml
Spiked Amount	50.000		Recovery =	181.69%
12) S	1-chlorooctadecane (S...	12.944	10549566	91.667 ug/ml
Spiked Amount	50.000		Recovery =	183.33%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	11861469	92.598 ug/ml
2) T	n-Decane (C10)	4.341	12068578	92.595 ug/ml
3) T	A~Naphthalene (C11.7)	5.920	13362934	92.860 ug/ml
4) T	n-Dodecane (C12)	6.359	12227707	93.059 ug/ml
5) T	A~2-methylnaphthalene...	6.977	13024556	93.287 ug/ml
6) T	n-Tetradecane (C14)	8.152	12180763	93.109 ug/ml
7) T	n-Hexadecane (C16)	9.752	12490809	92.415 ug/ml
8) T	n-Octadecane (C18)	11.195	12572452	91.327 ug/ml
10) T	n-Eicosane (C20)	12.501	12084501	91.351 ug/ml
11) T	n-Heneicosane (C21)	13.112	11882669	91.183 ug/ml
13) T	n-Docosane (C22)	13.698	11869877	91.916 ug/ml
14) T	n-Tetracosane (C24)	14.799	11932581	92.694 ug/ml
15) T	n-Hexacosane (C26)	15.819	11803866	93.014 ug/ml
16) T	n-Octacosane (C28)	16.768	11629656	92.309 ug/ml
17) T	n-Tricontane (C30)	17.655	11716937	91.007 ug/ml
18) T	n-Dotriacontane (C32)	18.486	11186042	89.566 ug/ml
19) T	n-Tetratriacontane (C34)	19.267	9833987	89.675 ug/ml
20) T	n-Hexatriacontane (C36)	20.005	8551618	89.685 ug/ml
21) T	n-Octatriacontane (C38)	20.730	8143888	91.977 ug/ml
22) T	n-Tetracontane (C40)	21.618	7909213	91.385 ug/ml

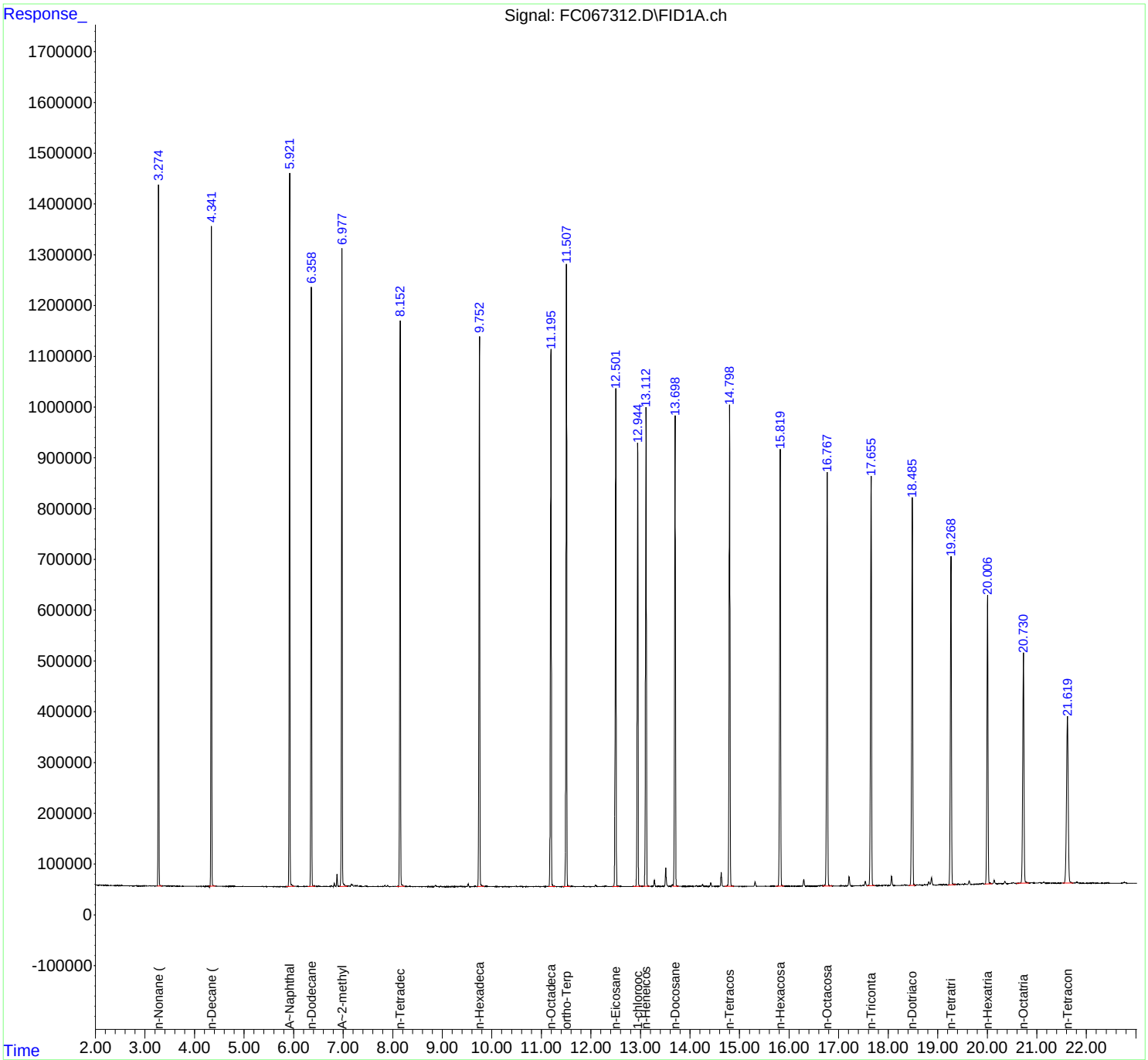
(f)=RT Delta > 1/2 Window (m)=manual int.

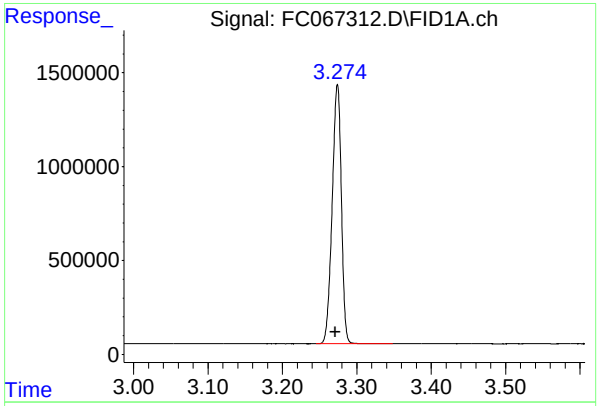
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067312.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 10:32
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 01 09:09:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

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

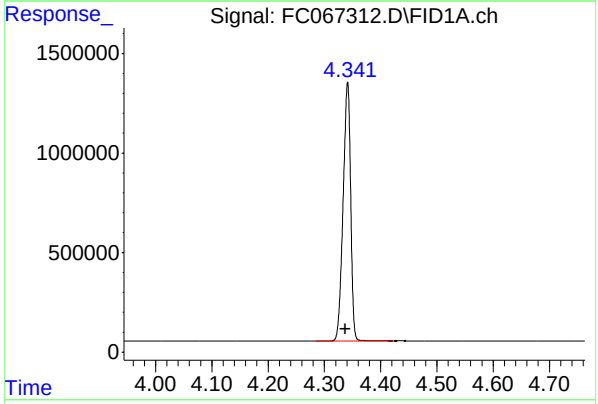




#1 n-Nonane (C9)

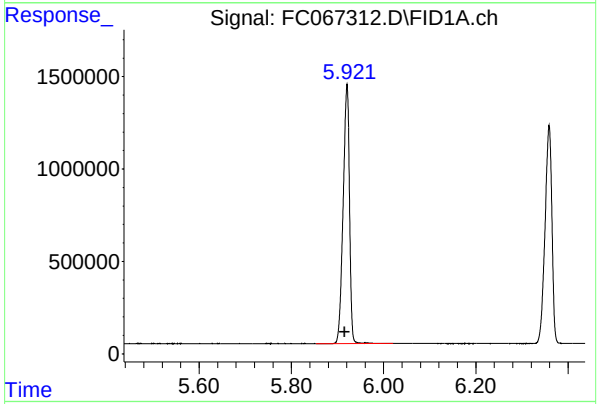
R.T.: 3.274 min
Delta R.T.: 0.003 min
Response: 11861469
Conc: 92.60 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



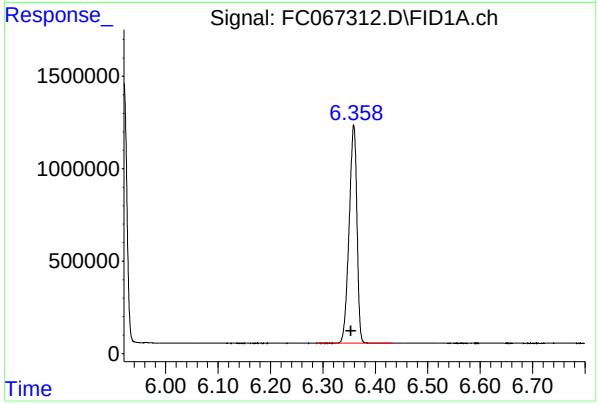
#2 n-Decane (C10)

R.T.: 4.341 min
Delta R.T.: 0.004 min
Response: 12068578
Conc: 92.59 ug/ml



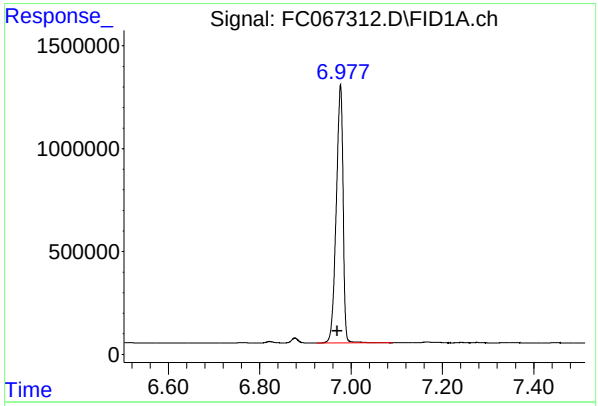
#3 A~Naphthalene (C11.7)

R.T.: 5.920 min
Delta R.T.: 0.005 min
Response: 13362934
Conc: 92.86 ug/ml



#4 n-Dodecane (C12)

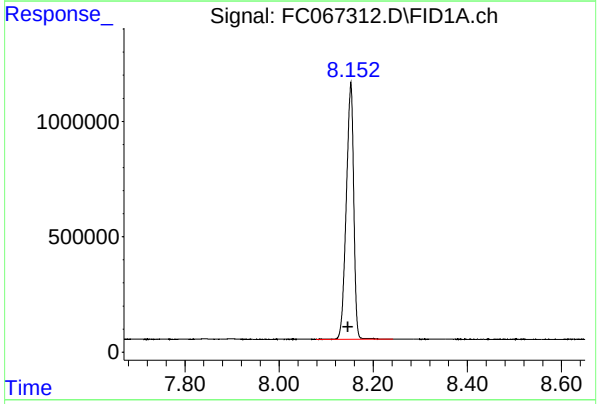
R.T.: 6.359 min
Delta R.T.: 0.005 min
Response: 12227707
Conc: 93.06 ug/ml



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

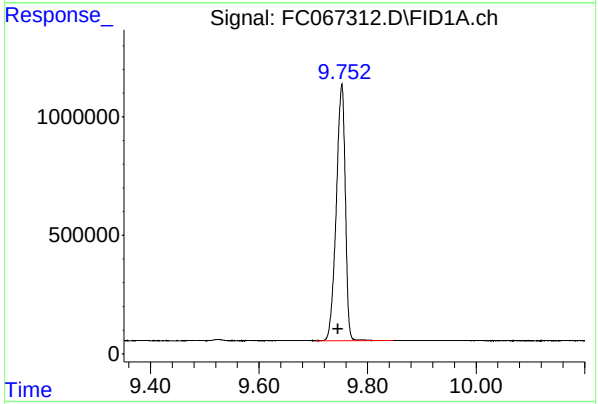
R.T.: 6.977 min
Delta R.T.: 0.007 min
Response: 13024556
Conc: 93.29 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



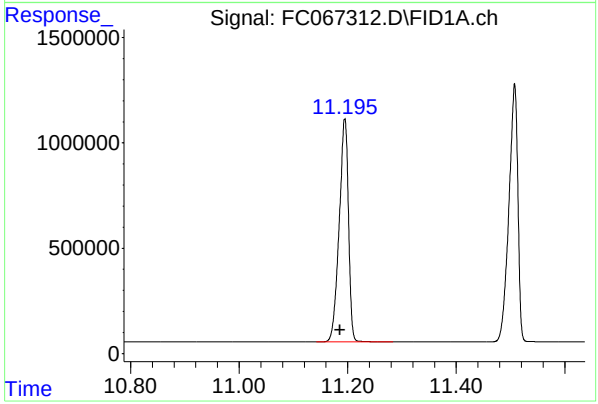
#6 n-Tetradecane (C14)

R.T.: 8.152 min
Delta R.T.: 0.006 min
Response: 12180763
Conc: 93.11 ug/ml



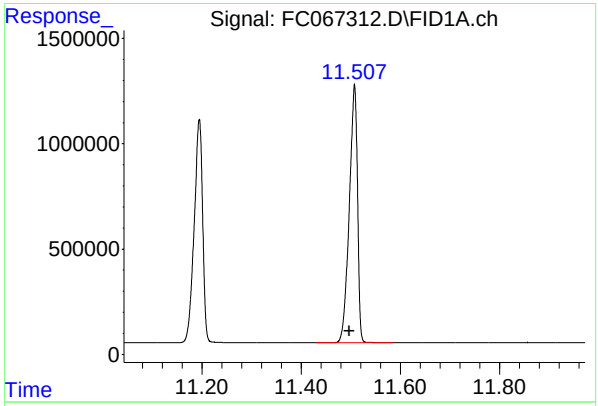
#7 n-Hexadecane (C16)

R.T.: 9.752 min
Delta R.T.: 0.007 min
Response: 12490809
Conc: 92.42 ug/ml



#8 n-Octadecane (C18)

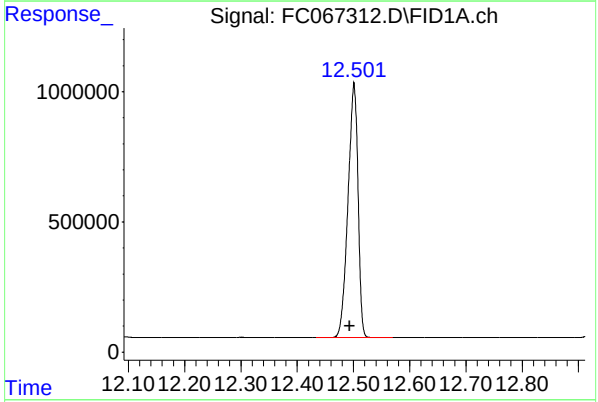
R.T.: 11.195 min
Delta R.T.: 0.008 min
Response: 12572452
Conc: 91.33 ug/ml



#9 ortho-Terphenyl (SURR)

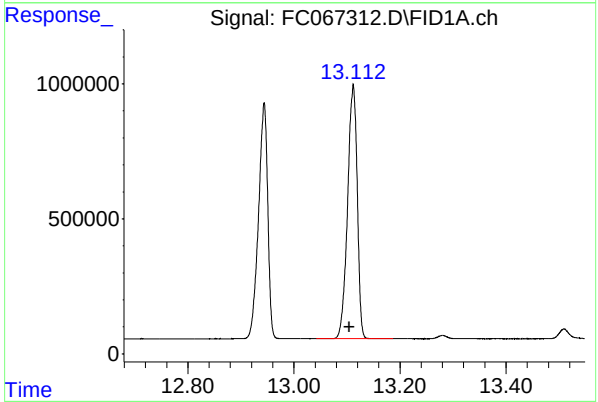
R.T.: 11.507 min
Delta R.T.: 0.010 min
Response: 14031279
Conc: 90.85 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



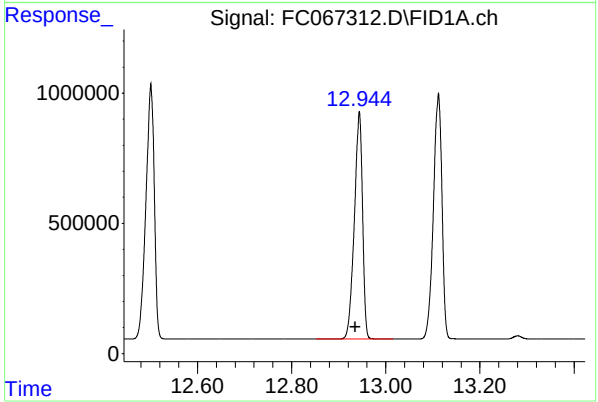
#10 n-Eicosane (C20)

R.T.: 12.501 min
Delta R.T.: 0.007 min
Response: 12084501
Conc: 91.35 ug/ml



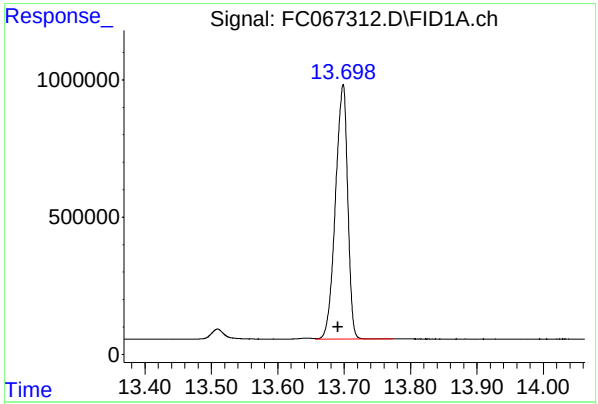
#11 n-Heneicosane (C21)

R.T.: 13.112 min
Delta R.T.: 0.007 min
Response: 11882669
Conc: 91.18 ug/ml



#12 1-chlorooctadecane (SURR)

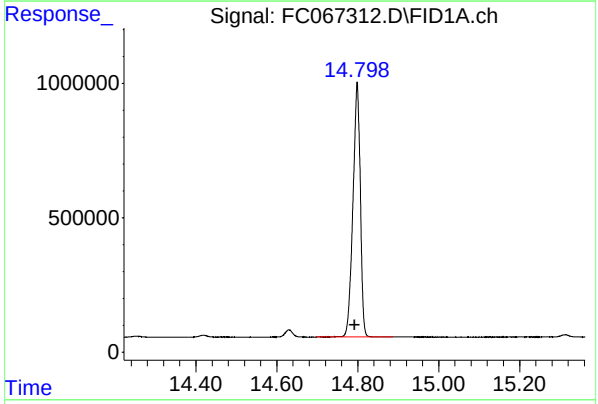
R.T.: 12.944 min
Delta R.T.: 0.008 min
Response: 10549566
Conc: 91.67 ug/ml



#13 n-Docosane (C22)

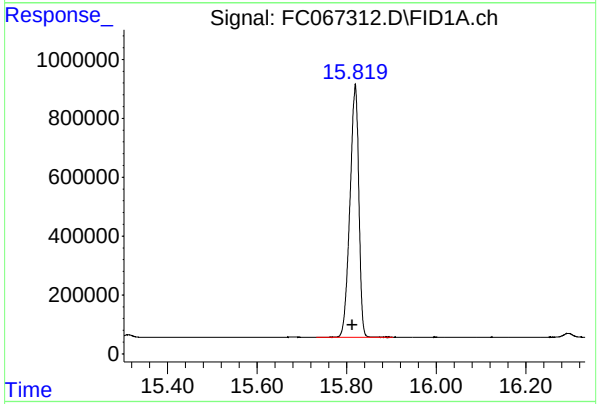
R.T.: 13.698 min
Delta R.T.: 0.007 min
Response: 11869877
Conc: 91.92 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



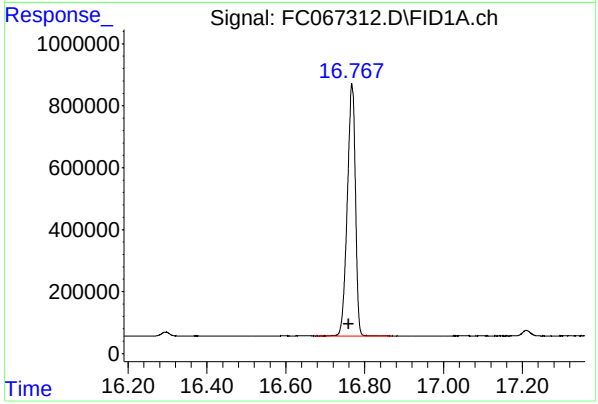
#14 n-Tetracosane (C24)

R.T.: 14.799 min
Delta R.T.: 0.007 min
Response: 11932581
Conc: 92.69 ug/ml



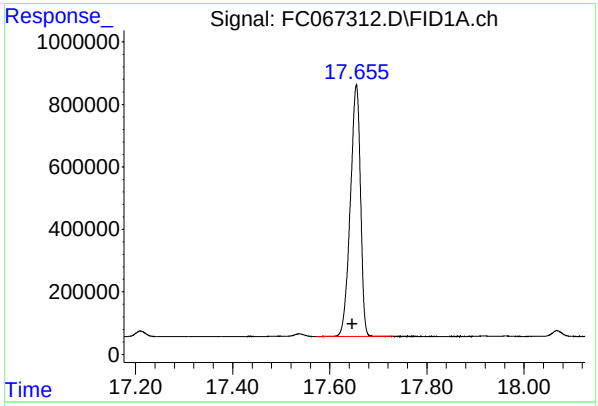
#15 n-Hexacosane (C26)

R.T.: 15.819 min
Delta R.T.: 0.007 min
Response: 11803866
Conc: 93.01 ug/ml



#16 n-Octacosane (C28)

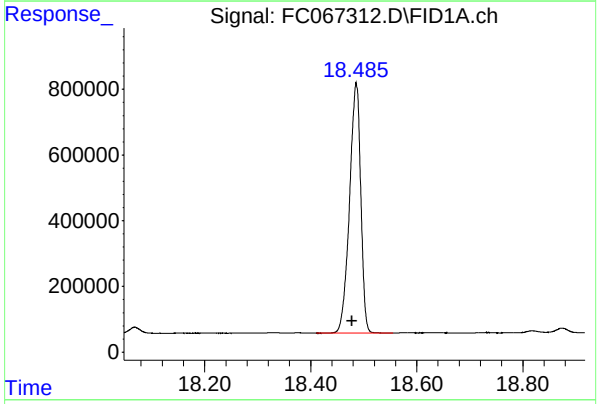
R.T.: 16.768 min
Delta R.T.: 0.008 min
Response: 11629656
Conc: 92.31 ug/ml



#17 n-Tricontane (C30)

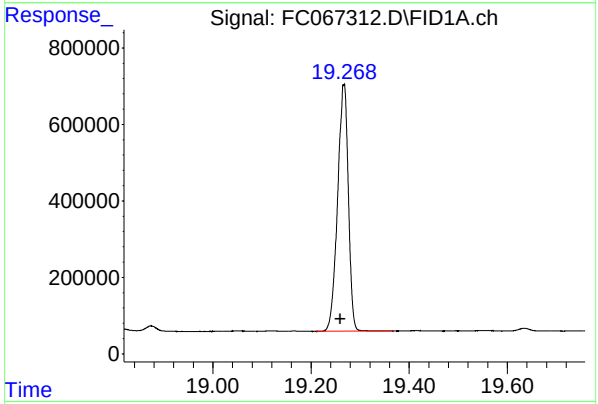
R.T.: 17.655 min
Delta R.T.: 0.009 min
Response: 11716937
Conc: 91.01 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



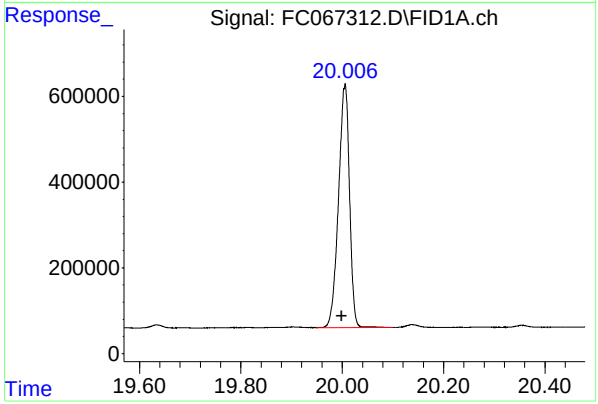
#18 n-Dotriacontane (C32)

R.T.: 18.486 min
Delta R.T.: 0.008 min
Response: 11186042
Conc: 89.57 ug/ml



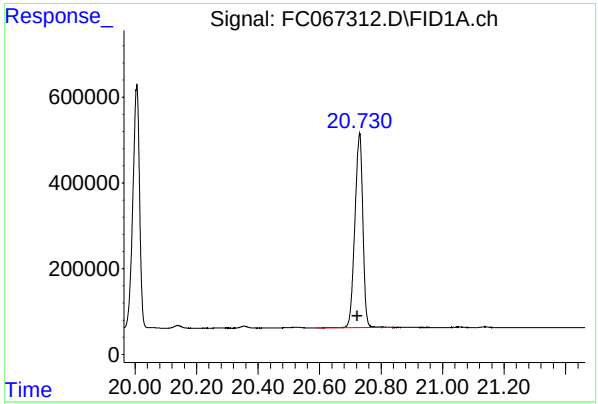
#19 n-Tetratriacontane (C34)

R.T.: 19.267 min
Delta R.T.: 0.007 min
Response: 9833987
Conc: 89.67 ug/ml



#20 n-Hexatriacontane (C36)

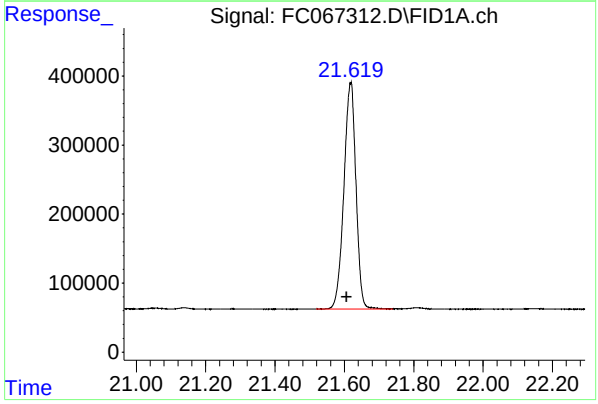
R.T.: 20.005 min
Delta R.T.: 0.006 min
Response: 8551618
Conc: 89.68 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.730 min
Delta R.T.: 0.007 min
Response: 8143888
Conc: 91.98 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.618 min
Delta R.T.: 0.011 min
Response: 7909213
Conc: 91.39 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067312.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 10:32
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 100224.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	3.274	3.245	3.348	BB	1383198	11861469	84.54%	4.690%
2	4.341	4.285	4.422	BB	1311158	12068578	86.01%	4.772%
3	5.920	5.853	6.020	BB	1395892	13362934	95.24%	5.284%
4	6.359	6.287	6.433	BB	1182095	12227707	87.15%	4.835%
5	6.977	6.923	7.092	BV	1262404	13024556	92.83%	5.150%
6	8.152	8.078	8.242	BB	1106375	12180763	86.81%	4.816%
7	9.752	9.705	9.847	BB	1075584	12490809	89.02%	4.939%
8	11.195	11.142	11.283	BB	1062471	12572452	89.60%	4.971%
9	11.507	11.430	11.585	BB	1222706	14031279	100.00%	5.548%
10	12.501	12.433	12.570	BB	971541	12084501	86.13%	4.778%
11	12.944	12.852	13.015	BB	876626	10549566	75.19%	4.171%
12	13.112	13.042	13.187	BB	943769	11882669	84.69%	4.698%
13	13.698	13.658	13.773	VB	931064	11869877	84.60%	4.693%
14	14.799	14.697	14.887	BB	947814	11932581	85.04%	4.718%
15	15.819	15.732	15.903	BB	851235	11803866	84.13%	4.667%
16	16.768	16.677	16.872	BB	807852	11629656	82.88%	4.598%
17	17.655	17.572	17.730	PB	806791	11716937	83.51%	4.633%
18	18.486	18.410	18.555	BV	761825	11186042	79.72%	4.423%
19	19.267	19.210	19.367	BB	643849	9833987	70.09%	3.888%
20	20.005	19.948	20.100	BB	565289	8551618	60.95%	3.381%
21	20.730	20.588	20.838	BV	454057	8143888	58.04%	3.220%
22	21.618	21.518	21.740	BB	326286	7909213	56.37%	3.127%

Sum of corrected areas: 252914944

Aliphatic EPH 100224.M Tue Oct 01 09:20:12 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067313.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:10
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

A B C D E F

Integration File: autoint1.e
Quant Time: Oct 01 09:10:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
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)	11.501	7231579	49.067 ug/ml
Spiked Amount	50.000		Recovery =	98.13%
12) S	1-chlorooctadecane (S...	12.939	5426500	49.202 ug/ml
Spiked Amount	50.000		Recovery =	98.40%
	Target Compounds			
1) T	n-Nonane (C9)	3.272	6059731	49.124 ug/ml
2) T	n-Decane (C10)	4.338	6163543	49.107 ug/ml
3) T	A~Naphthalene (C11.7)	5.917	6821781	49.160 ug/ml
4) T	n-Dodecane (C12)	6.355	6245280	49.239 ug/ml
5) T	A~2-methylnaphthalene...	6.972	6641948	49.224 ug/ml
6) T	n-Tetradecane (C14)	8.149	6219770	49.240 ug/ml
7) T	n-Hexadecane (C16)	9.748	6422795	49.393 ug/ml
8) T	n-Octadecane (C18)	11.188	6493088	49.304 ug/ml
10) T	n-Eicosane (C20)	12.497	6235508	49.267 ug/ml
11) T	n-Heneicosane (C21)	13.107	6123952	49.160 ug/ml
13) T	n-Docosane (C22)	13.693	6132673	49.489 ug/ml
14) T	n-Tetracosane (C24)	14.795	6211203	50.079 ug/ml
15) T	n-Hexacosane (C26)	15.814	6151165	50.225 ug/ml
16) T	n-Octacosane (C28)	16.763	6095338	50.316 ug/ml
17) T	n-Tricontane (C30)	17.650	6178045	50.245 ug/ml
18) T	n-Dotriacontane (C32)	18.481	5889852	49.755 ug/ml
19) T	n-Tetratriacontane (C34)	19.263	5143313	49.454 ug/ml
20) T	n-Hexatriacontane (C36)	20.001	4380994	48.444 ug/ml
21) T	n-Octatriacontane (C38)	20.724	4146667	48.790 ug/ml
22) T	n-Tetracontane (C40)	21.611	4083374	49.304 ug/ml

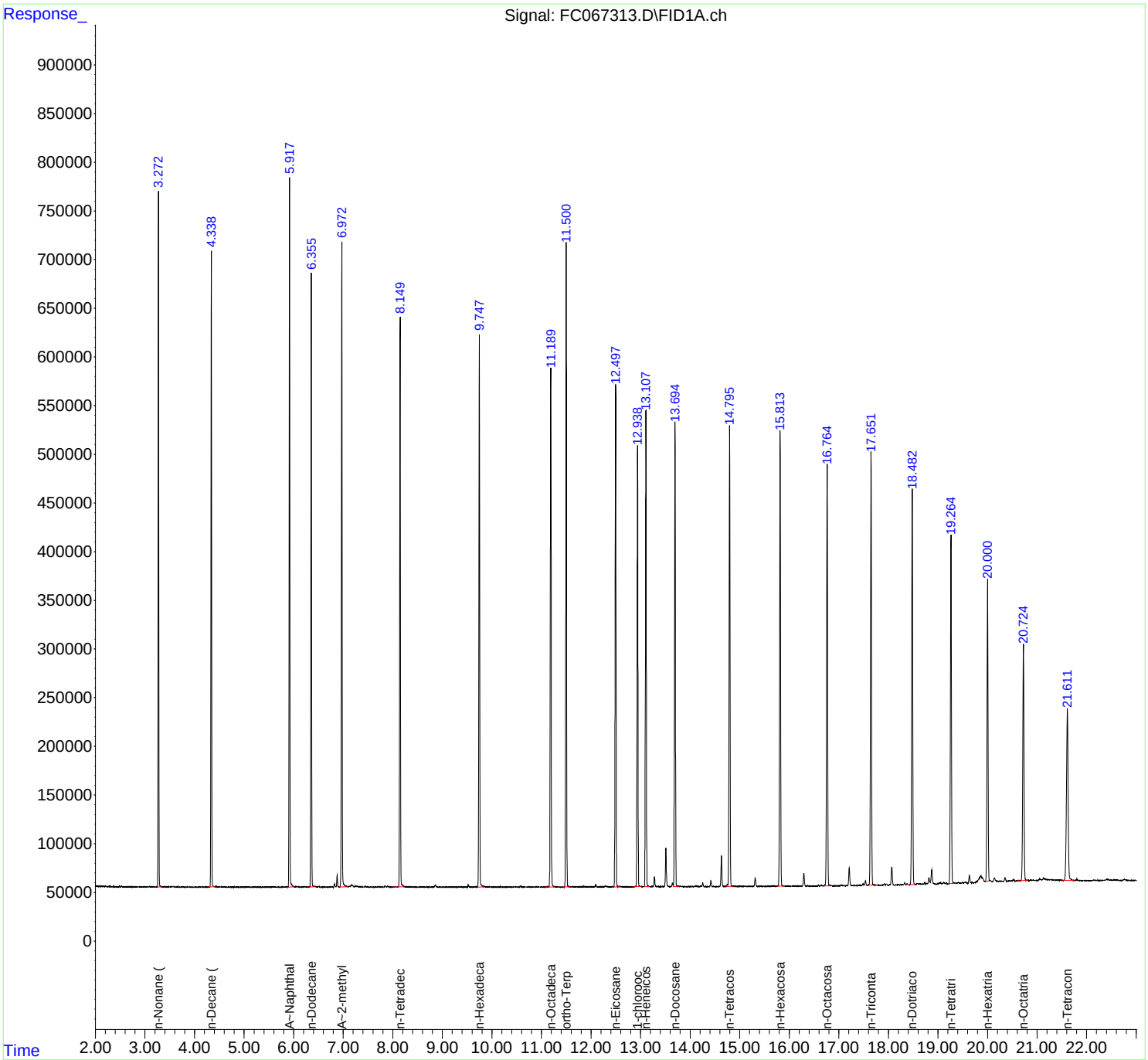
(f)=RT Delta > 1/2 Window (m)=manual int.

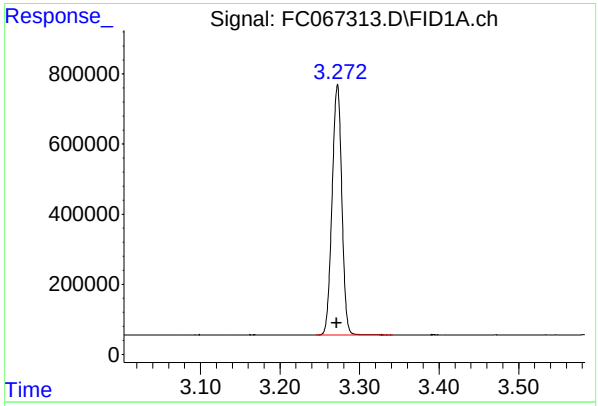
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067313.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:10
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 01 09:10:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

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

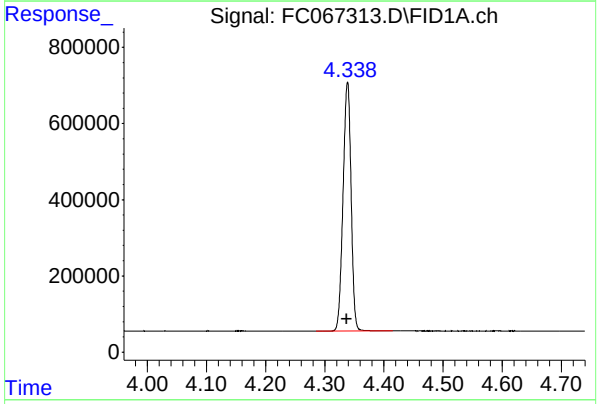




#1 n-Nonane (C9)

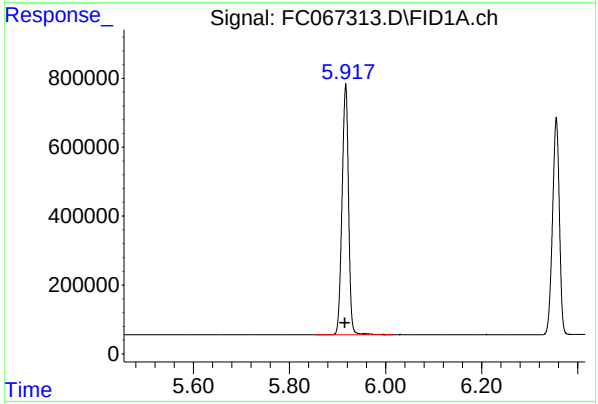
R.T.: 3.272 min
Delta R.T.: 0.001 min
Response: 6059731
Conc: 49.12 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



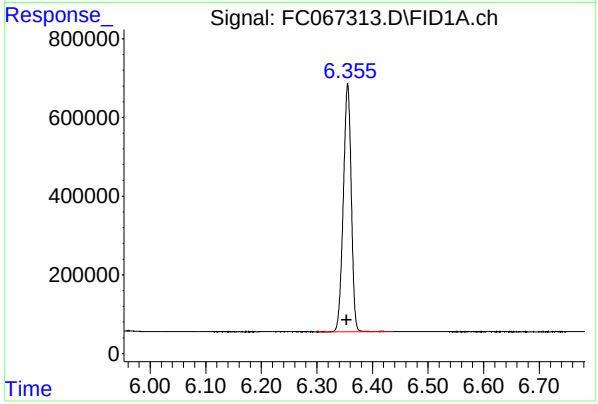
#2 n-Decane (C10)

R.T.: 4.338 min
Delta R.T.: 0.001 min
Response: 6163543
Conc: 49.11 ug/ml



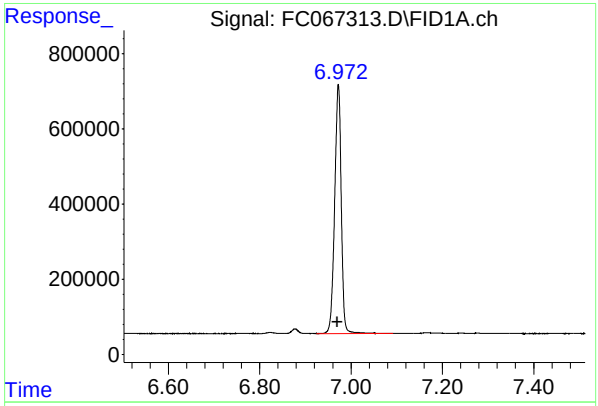
#3 A~Naphthalene (C11.7)

R.T.: 5.917 min
Delta R.T.: 0.002 min
Response: 6821781
Conc: 49.16 ug/ml



#4 n-Dodecane (C12)

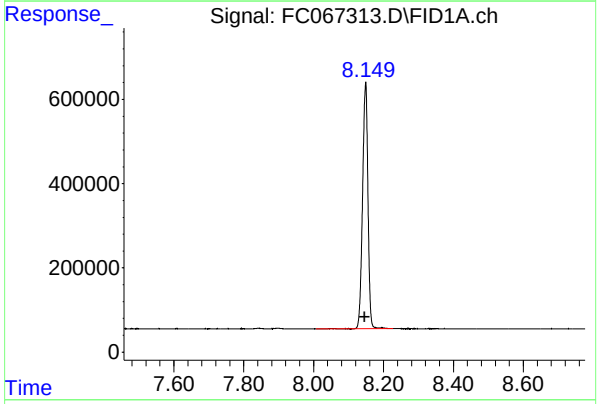
R.T.: 6.355 min
Delta R.T.: 0.002 min
Response: 6245280
Conc: 49.24 ug/ml



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

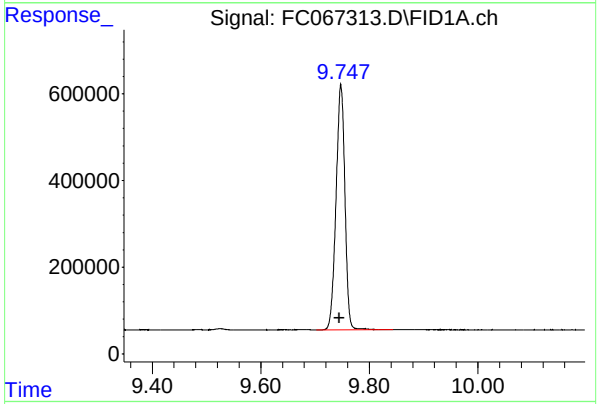
R.T.: 6.972 min
Delta R.T.: 0.002 min
Response: 6641948
Conc: 49.22 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



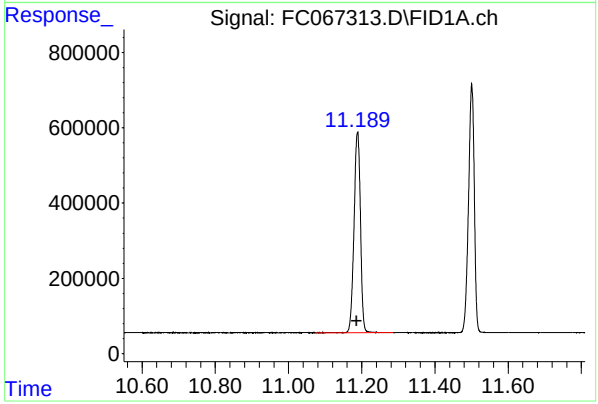
#6 n-Tetradecane (C14)

R.T.: 8.149 min
Delta R.T.: 0.002 min
Response: 6219770
Conc: 49.24 ug/ml



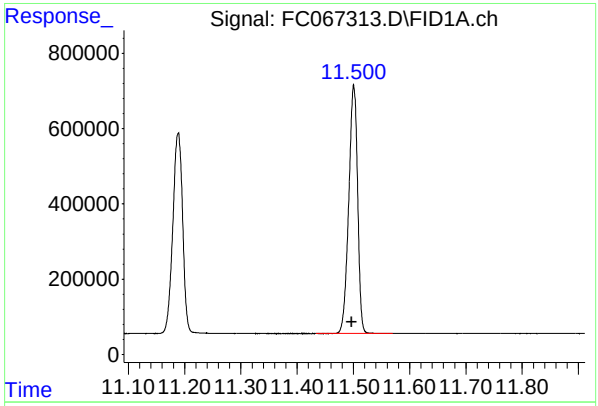
#7 n-Hexadecane (C16)

R.T.: 9.748 min
Delta R.T.: 0.003 min
Response: 6422795
Conc: 49.39 ug/ml



#8 n-Octadecane (C18)

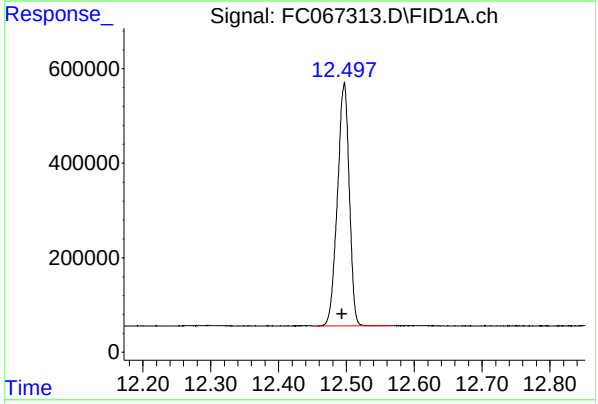
R.T.: 11.188 min
Delta R.T.: 0.002 min
Response: 6493088
Conc: 49.30 ug/ml



#9 ortho-Terphenyl (SURR)

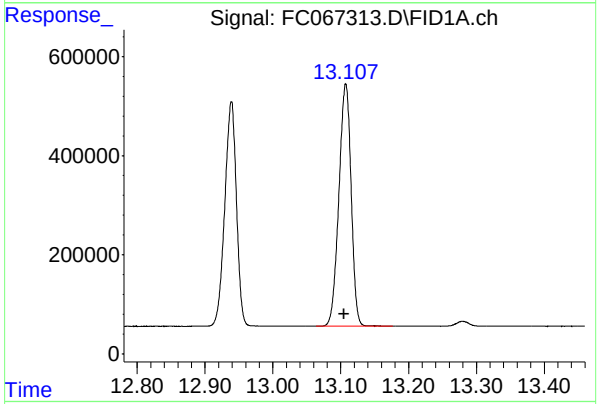
R.T.: 11.501 min
Delta R.T.: 0.004 min
Response: 7231579
Conc: 49.07 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



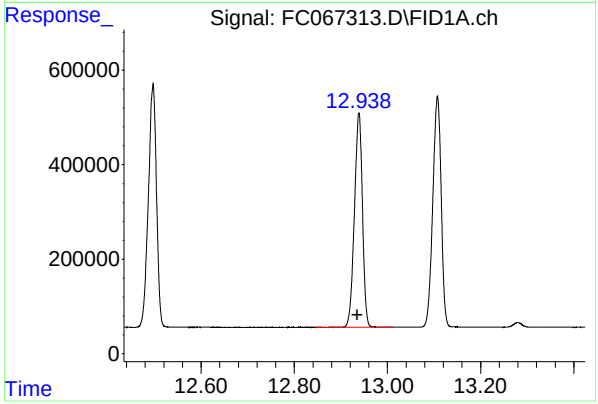
#10 n-Eicosane (C20)

R.T.: 12.497 min
Delta R.T.: 0.003 min
Response: 6235508
Conc: 49.27 ug/ml



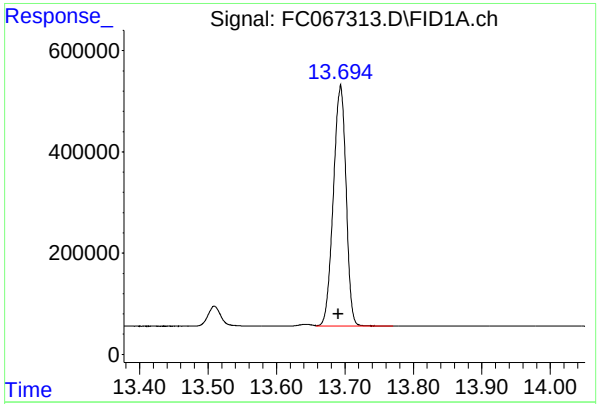
#11 n-Heneicosane (C21)

R.T.: 13.107 min
Delta R.T.: 0.003 min
Response: 6123952
Conc: 49.16 ug/ml



#12 1-chlorooctadecane (SURR)

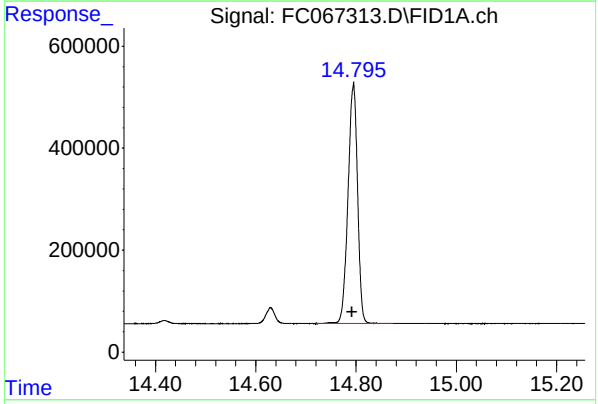
R.T.: 12.939 min
Delta R.T.: 0.003 min
Response: 5426500
Conc: 49.20 ug/ml



#13 n-Docosane (C22)

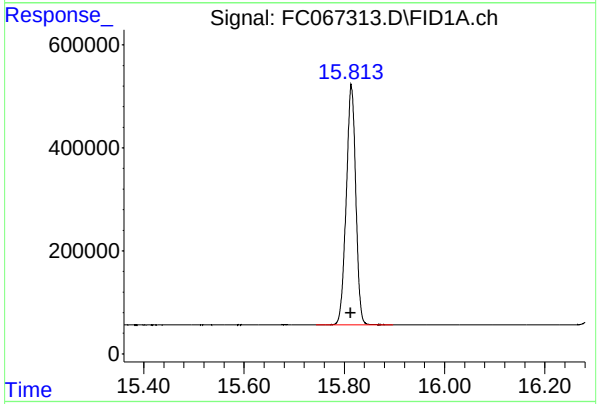
R.T.: 13.693 min
Delta R.T.: 0.003 min
Response: 6132673
Conc: 49.49 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



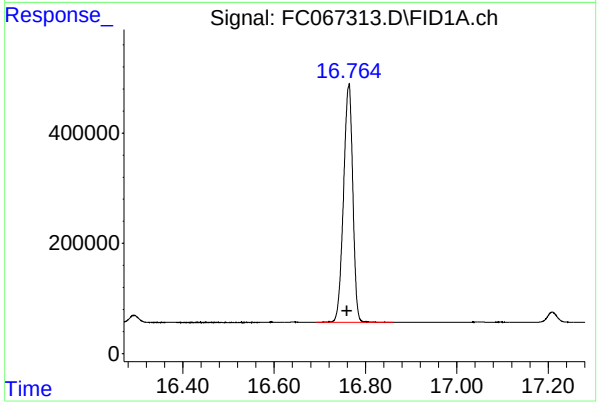
#14 n-Tetracosane (C24)

R.T.: 14.795 min
Delta R.T.: 0.003 min
Response: 6211203
Conc: 50.08 ug/ml



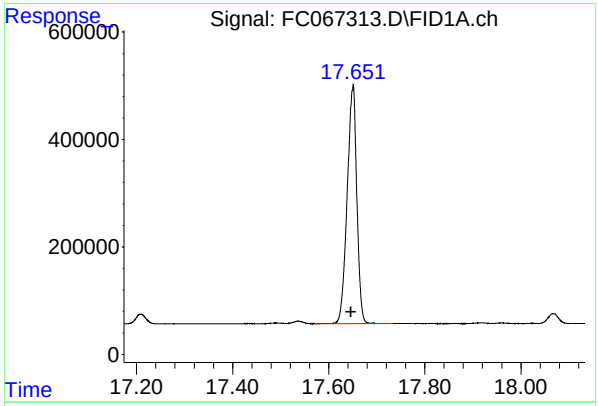
#15 n-Hexacosane (C26)

R.T.: 15.814 min
Delta R.T.: 0.002 min
Response: 6151165
Conc: 50.23 ug/ml



#16 n-Octacosane (C28)

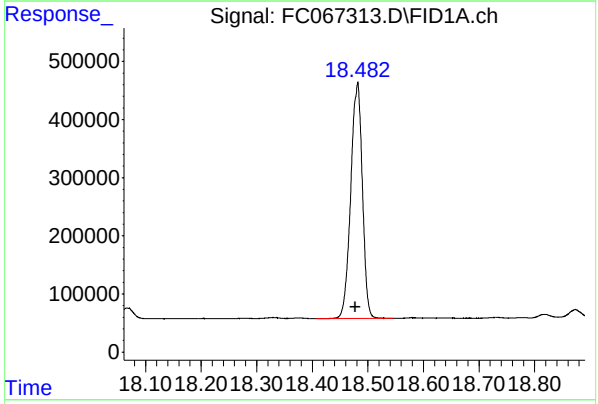
R.T.: 16.763 min
Delta R.T.: 0.004 min
Response: 6095338
Conc: 50.32 ug/ml



#17 n-Tricontane (C30)

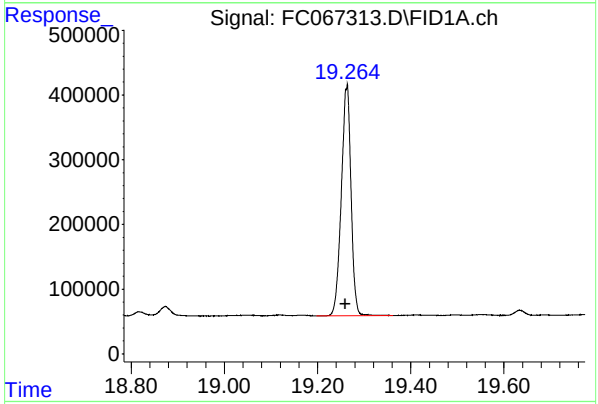
R.T.: 17.650 min
Delta R.T.: 0.004 min
Response: 6178045
Conc: 50.25 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



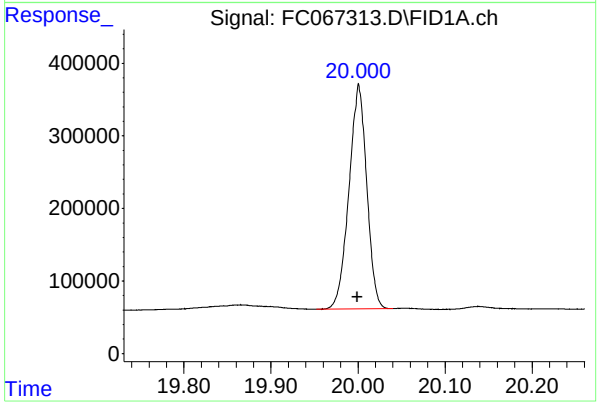
#18 n-Dotriacontane (C32)

R.T.: 18.481 min
Delta R.T.: 0.003 min
Response: 5889852
Conc: 49.76 ug/ml



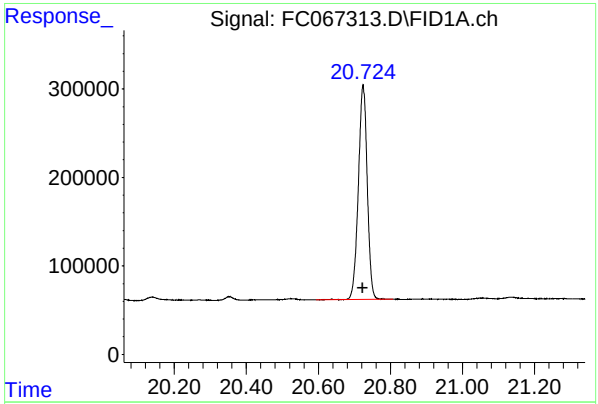
#19 n-Tetratriacontane (C34)

R.T.: 19.263 min
Delta R.T.: 0.003 min
Response: 5143313
Conc: 49.45 ug/ml



#20 n-Hexatriacontane (C36)

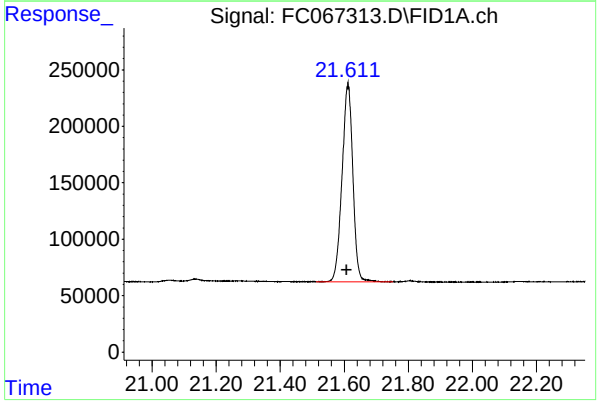
R.T.: 20.001 min
Delta R.T.: 0.002 min
Response: 4380994
Conc: 48.44 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.724 min
Delta R.T.: 0.001 min
Response: 4146667
Conc: 48.79 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.611 min
Delta R.T.: 0.004 min
Response: 4083374
Conc: 49.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067313.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:10
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 100224.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	3.272	3.245	3.342	BB	711248	6059731	83.80%	4.644%
2	4.338	4.285	4.415	BB	654161	6163543	85.23%	4.723%
3	5.917	5.855	6.015	BB	727635	6821781	94.33%	5.227%
4	6.355	6.299	6.437	BB	629757	6245280	86.36%	4.786%
5	6.972	6.924	7.092	BV	663765	6641948	91.85%	5.090%
6	8.149	8.007	8.227	BB	582329	6219770	86.01%	4.766%
7	9.748	9.702	9.844	BB	565794	6422795	88.82%	4.922%
8	11.189	11.075	11.285	BB	532485	6493088	89.79%	4.976%
9	11.501	11.434	11.570	BB	661071	7231579	100.00%	5.542%
10	12.497	12.455	12.569	BB	514506	6235508	86.23%	4.778%
11	12.939	12.847	13.012	BB	454745	5426500	75.04%	4.158%
12	13.107	13.064	13.177	BB	490056	6123952	84.68%	4.693%
13	13.693	13.658	13.770	VB	476110	6132673	84.80%	4.699%
14	14.795	14.720	14.874	BB	473209	6211203	85.89%	4.760%
15	15.814	15.744	15.897	BB	466583	6151165	85.06%	4.714%
16	16.763	16.692	16.860	BB	430820	6095338	84.29%	4.671%
17	17.650	17.574	17.734	PB	438958	6178045	85.43%	4.734%
18	18.481	18.407	18.545	BV	399853	5889852	81.45%	4.513%
19	19.263	19.197	19.362	BB	356265	5143313	71.12%	3.941%
20	20.001	19.952	20.040	PV	308867	4380994	60.58%	3.357%
21	20.724	20.594	20.807	BB	242057	4146667	57.34%	3.178%
22	21.611	21.512	21.752	BB	176788	4083374	56.47%	3.129%
			Sum of corrected areas:			130498098		

Aliphatic EPH 100224.M Tue Oct 01 09:20:55 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067314.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:48
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

A B C D E F

Integration File: autoint1.e
Quant Time: Oct 01 09:08:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
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)	11.497	3089013	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12) S	1-chlorooctadecane (S...	12.936	2301706	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	n-Nonane (C9)	3.271	2561935	20.000 ug/ml
2) T	n-Decane (C10)	4.337	2606750	20.000 ug/ml
3) T	A~Naphthalene (C11.7)	5.915	2878074	20.000 ug/ml
4) T	n-Dodecane (C12)	6.353	2627937	20.000 ug/ml
5) T	A~2-methylnaphthalene...	6.970	2792361	20.000 ug/ml
6) T	n-Tetradecane (C14)	8.146	2616449	20.000 ug/ml
7) T	n-Hexadecane (C16)	9.745	2703190	20.000 ug/ml
8) T	n-Octadecane (C18)	11.186	2753269	20.000 ug/ml
10) T	n-Eicosane (C20)	12.493	2645737	20.000 ug/ml
11) T	n-Heneicosane (C21)	13.105	2606321	20.000 ug/ml
13) T	n-Docosane (C22)	13.690	2582773	20.000 ug/ml
14) T	n-Tetracosane (C24)	14.792	2574621	20.000 ug/ml
15) T	n-Hexacosane (C26)	15.813	2538087	20.000 ug/ml
16) T	n-Octacosane (C28)	16.760	2519727	20.000 ug/ml
17) T	n-Tricontane (C30)	17.646	2574944	20.000 ug/ml
18) T	n-Dotriacontane (C32)	18.478	2497831	20.000 ug/ml
19) T	n-Tetratriacontane (C34)	19.260	2193263	20.000 ug/ml
20) T	n-Hexatriacontane (C36)	19.999	1907034	20.000 ug/ml
21) T	n-Octatriacontane (C38)	20.723	1770855	20.000 ug/ml
22) T	n-Tetracontane (C40)	21.608	1730957	20.000 ug/ml

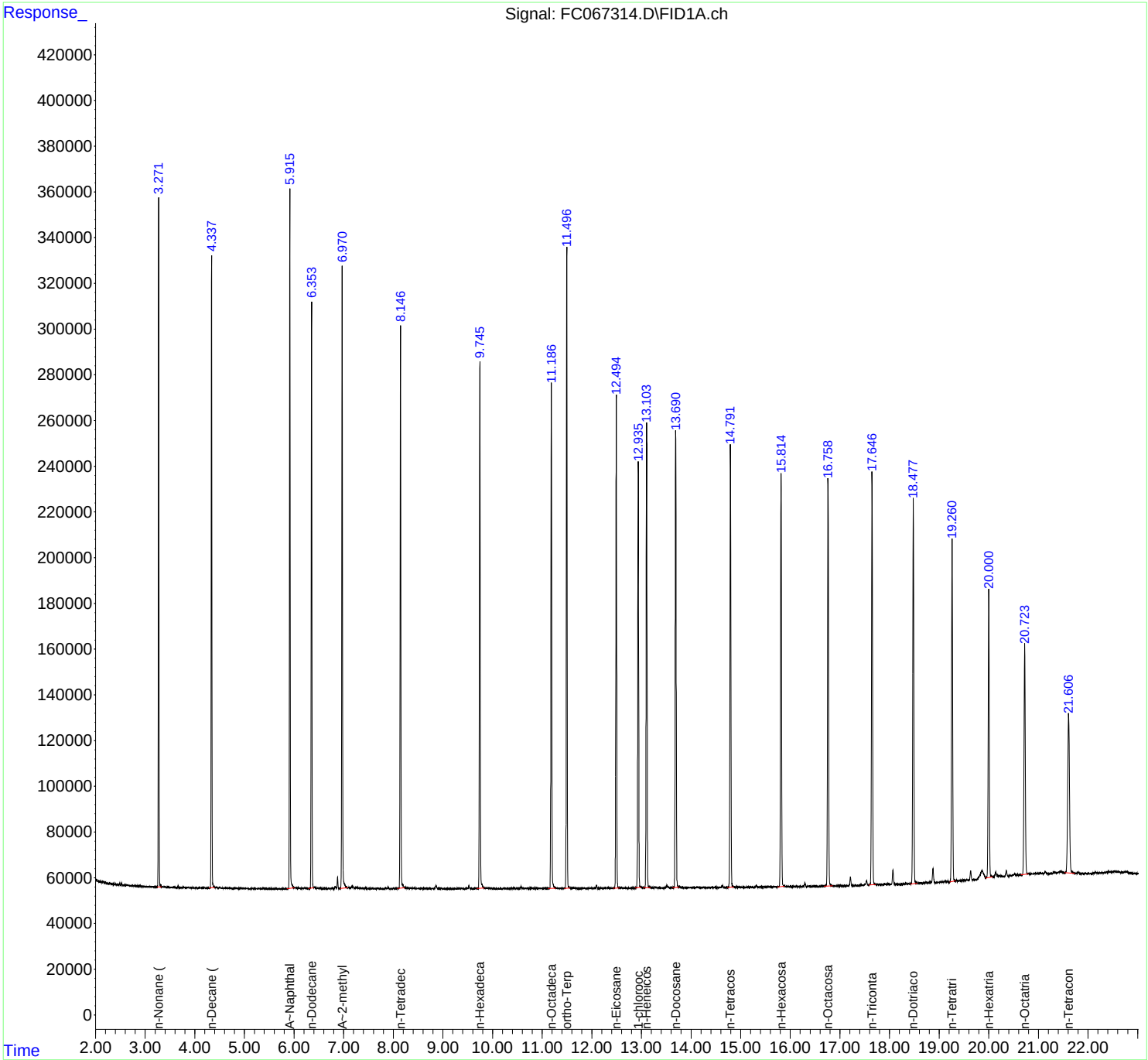
(f)=RT Delta > 1/2 Window (m)=manual int.

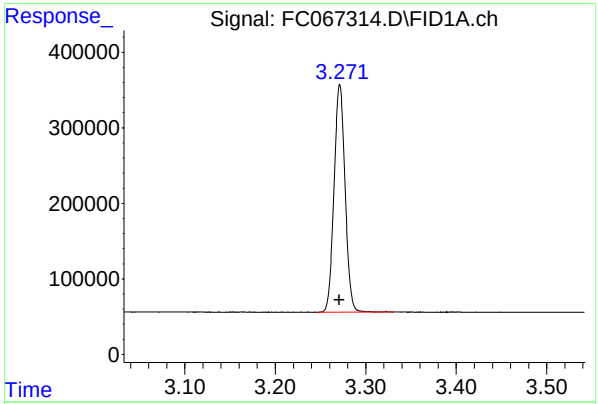
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067314.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:48
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 01 09:08:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

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

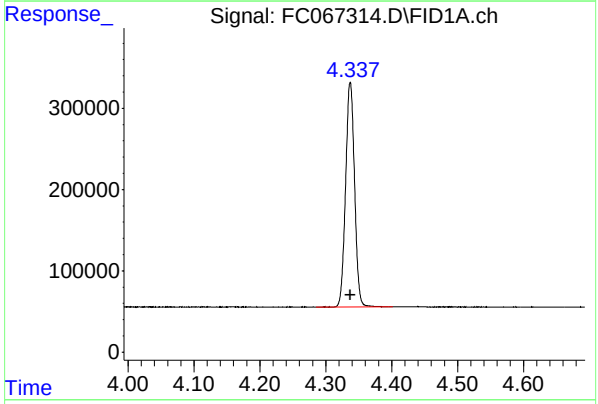




#1 n-Nonane (C9)

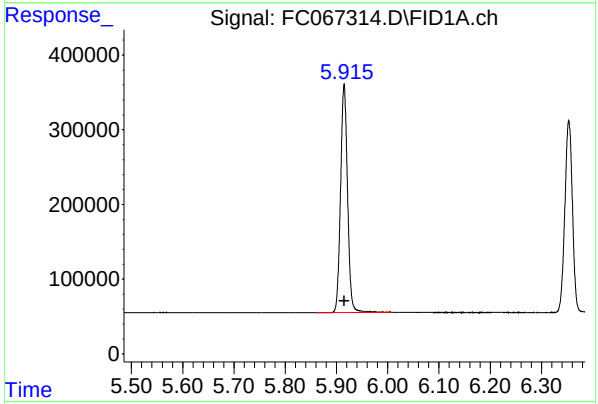
R.T.: 3.271 min
Delta R.T.: 0.000 min
Response: 2561935
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



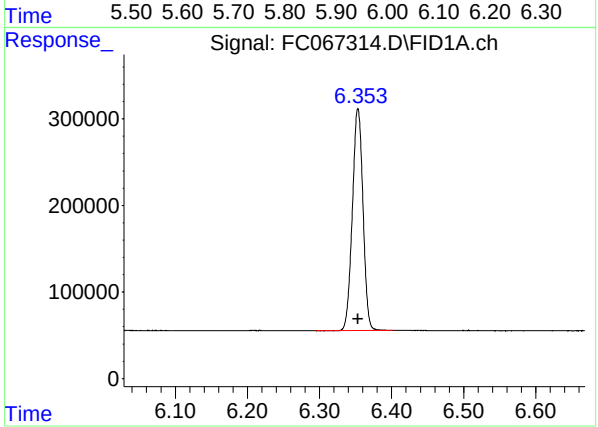
#2 n-Decane (C10)

R.T.: 4.337 min
Delta R.T.: 0.000 min
Response: 2606750
Conc: 20.00 ug/ml



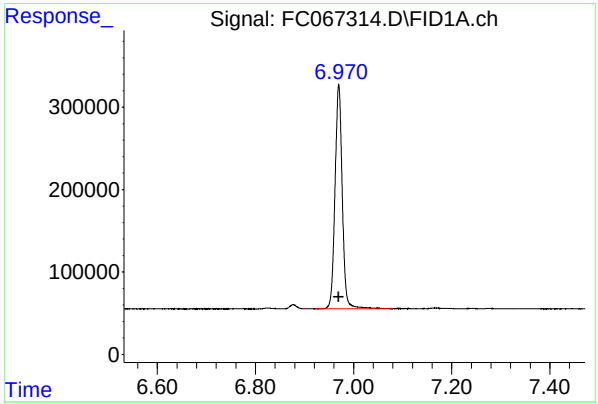
#3 A~Naphthalene (C11.7)

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 2878074
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

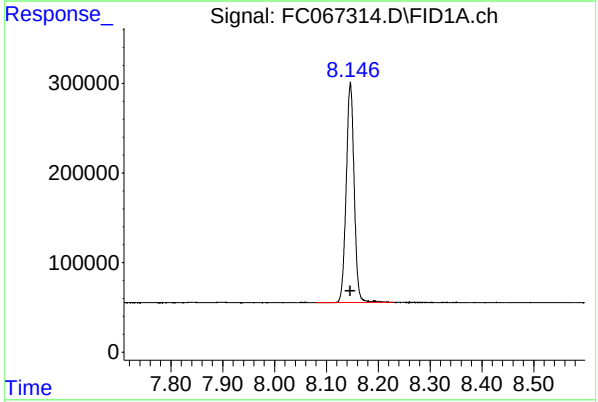
R.T.: 6.353 min
Delta R.T.: 0.000 min
Response: 2627937
Conc: 20.00 ug/ml



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

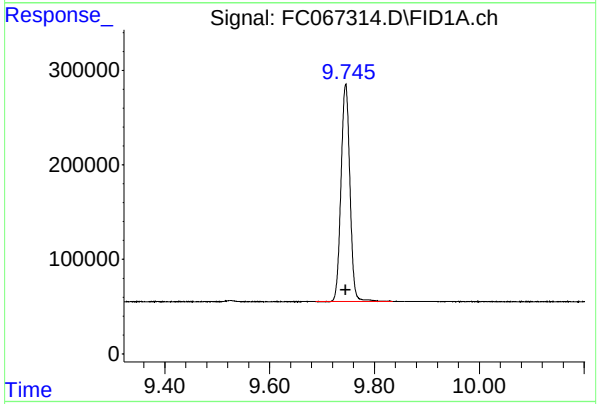
R.T.: 6.970 min
Delta R.T.: 0.000 min
Response: 2792361
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



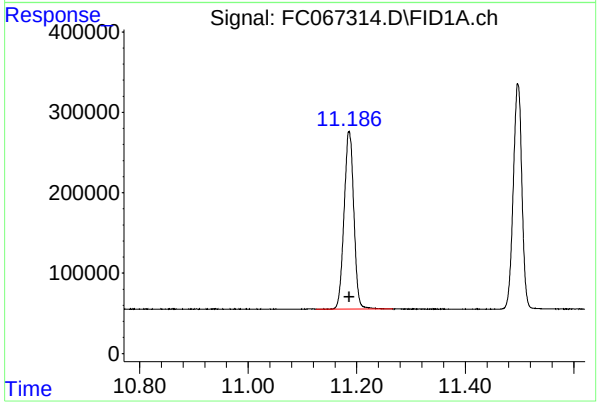
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 2616449
Conc: 20.00 ug/ml



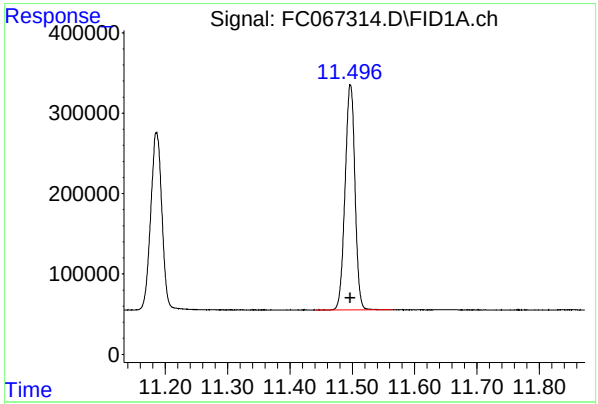
#7 n-Hexadecane (C16)

R.T.: 9.745 min
Delta R.T.: 0.000 min
Response: 2703190
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

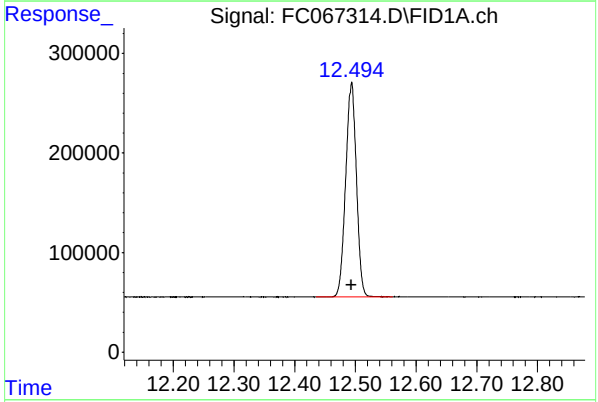
R.T.: 11.186 min
Delta R.T.: 0.000 min
Response: 2753269
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

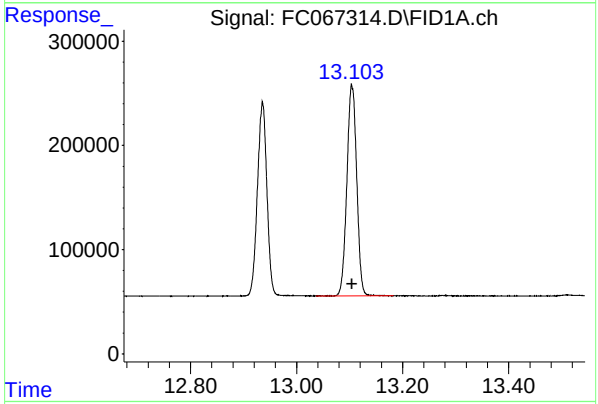
R.T.: 11.497 min
Delta R.T.: 0.000 min
Response: 3089013
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



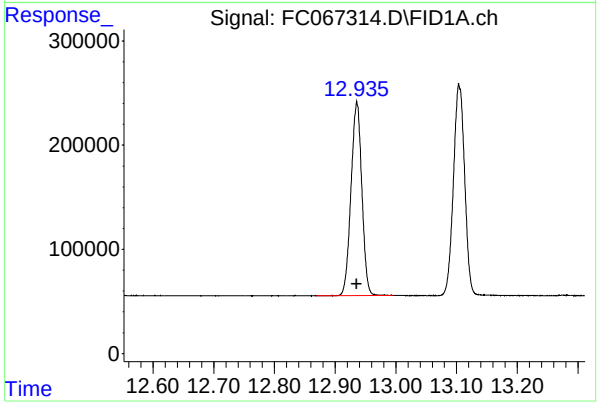
#10 n-Eicosane (C20)

R.T.: 12.493 min
Delta R.T.: 0.000 min
Response: 2645737
Conc: 20.00 ug/ml



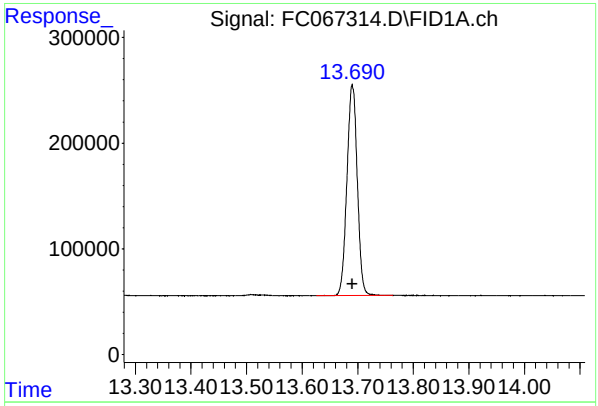
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: 0.000 min
Response: 2606321
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

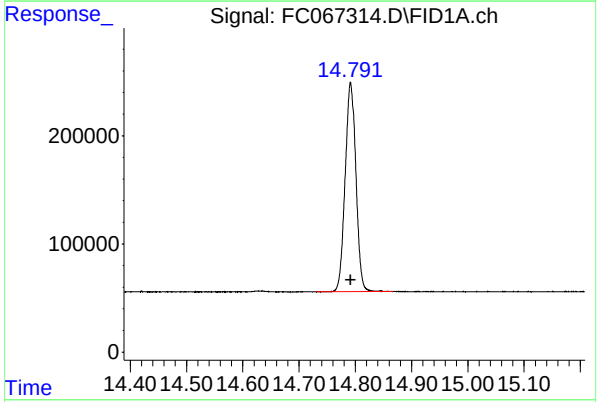
R.T.: 12.936 min
Delta R.T.: 0.000 min
Response: 2301706
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

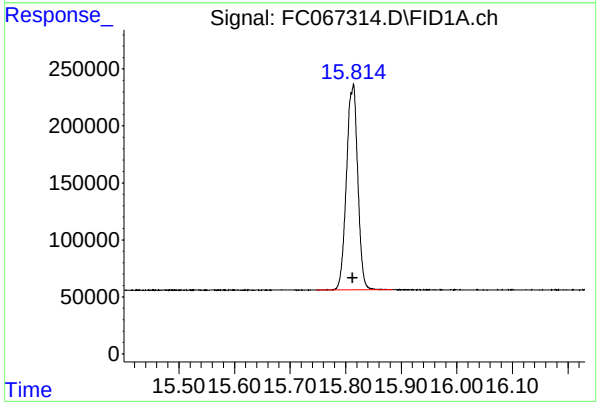
R.T.: 13.690 min
Delta R.T.: 0.000 min
Response: 2582773
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



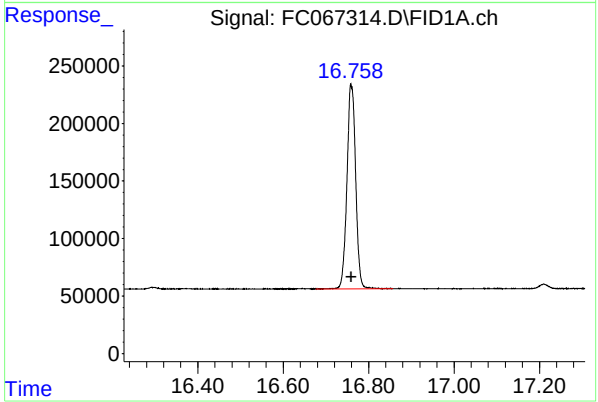
#14 n-Tetracosane (C24)

R.T.: 14.792 min
Delta R.T.: 0.000 min
Response: 2574621
Conc: 20.00 ug/ml



#15 n-Hexacosane (C26)

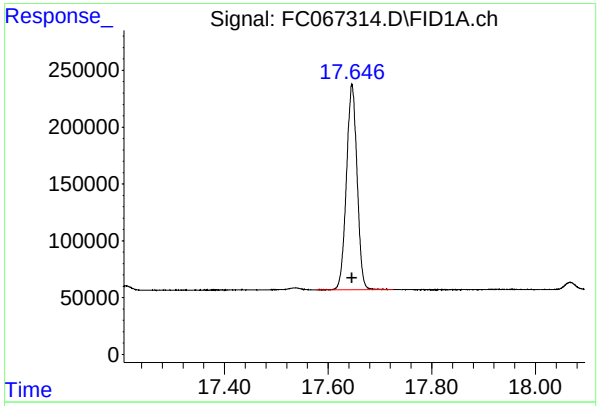
R.T.: 15.813 min
Delta R.T.: 0.000 min
Response: 2538087
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.760 min
Delta R.T.: 0.000 min
Response: 2519727
Conc: 20.00 ug/ml

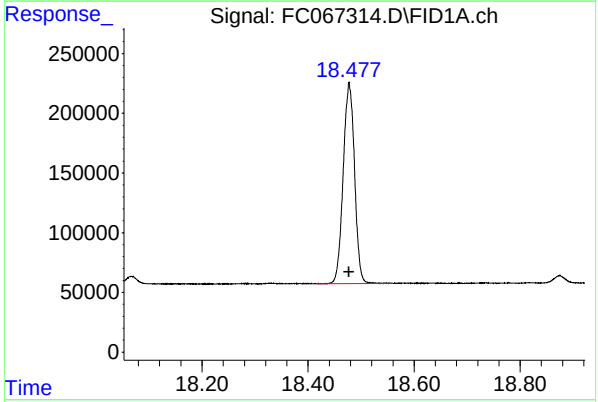
A
B
C
D
E
F



#17 n-Tricontane (C30)

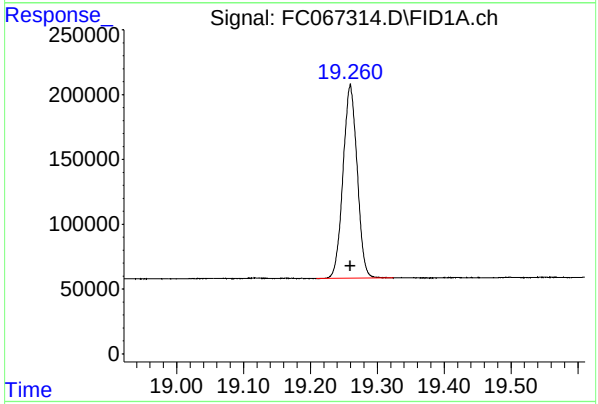
R.T.: 17.646 min
Delta R.T.: 0.000 min
Response: 2574944
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



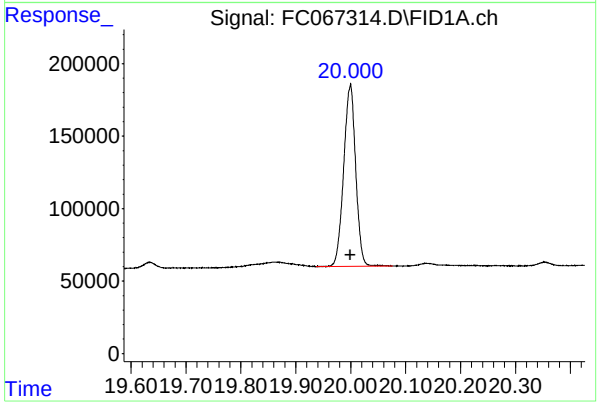
#18 n-Dotriacontane (C32)

R.T.: 18.478 min
Delta R.T.: 0.000 min
Response: 2497831
Conc: 20.00 ug/ml



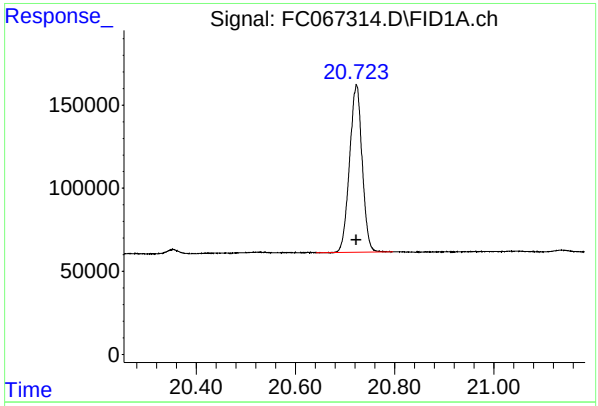
#19 n-Tetratriacontane (C34)

R.T.: 19.260 min
Delta R.T.: 0.000 min
Response: 2193263
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

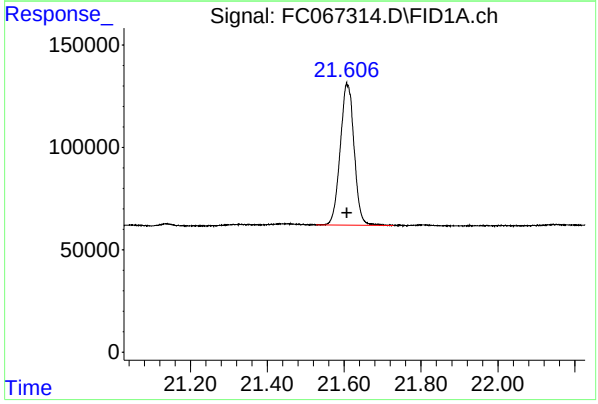
R.T.: 19.999 min
Delta R.T.: 0.000 min
Response: 1907034
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.723 min
Delta R.T.: 0.000 mi
Response: 1770855
Conc: 20.00 ug/m

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.608 min
Delta R.T.: 0.000 min
Response: 1730957
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067314.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:48
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 100224.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	3.271	3.245	3.330	BB	301355	2561935	82.94%	4.652%
2	4.337	4.285	4.402	BB	276151	2606750	84.39%	4.733%
3	5.915	5.860	6.010	BB	306302	2878074	93.17%	5.226%
4	6.353	6.295	6.402	BB	256127	2627937	85.07%	4.772%
5	6.970	6.923	7.080	BB	272068	2792361	90.40%	5.070%
6	8.146	8.080	8.228	BB	246166	2616449	84.70%	4.751%
7	9.745	9.688	9.835	BB	229678	2703190	87.51%	4.908%
8	11.186	11.125	11.267	BB	220672	2753269	89.13%	4.999%
9	11.497	11.442	11.565	BB	280480	3089013	100.00%	5.609%
10	12.493	12.435	12.562	BB	214435	2645737	85.65%	4.804%
11	12.936	12.868	12.995	BB	185389	2301706	74.51%	4.179%
12	13.105	13.037	13.182	BB	199408	2606321	84.37%	4.732%
13	13.690	13.625	13.763	BB	199133	2582773	83.61%	4.690%
14	14.792	14.730	14.867	BB	192816	2574621	83.35%	4.675%
15	15.813	15.747	15.885	BB	175714	2538087	82.16%	4.609%
16	16.760	16.677	16.857	BB	174965	2519727	81.57%	4.575%
17	17.646	17.577	17.725	BB	180572	2574944	83.36%	4.676%
18	18.478	18.415	18.560	BB	168215	2497831	80.86%	4.536%
19	19.260	19.208	19.323	BB	149736	2193263	71.00%	3.982%
20	19.999	19.937	20.077	VB	124156	1907034	61.74%	3.463%
21	20.723	20.642	20.797	BB	100926	1770855	57.33%	3.215%
22	21.608	21.527	21.727	BB	68950	1730957	56.04%	3.143%
			Sum of corrected areas:			55072832		

Aliphatic EPH 100224.M Tue Oct 01 09:21:20 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067315.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 12:47
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

A B C D E F

Integration File: autoint1.e
Quant Time: Oct 01 09:11:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
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)	11.496	1571986	10.733 ug/ml
Spiked Amount	50.000		Recovery =	21.47%
12) S	1-chlorooctadecane (S...	12.936	1173605	10.698 ug/ml
Spiked Amount	50.000		Recovery =	21.40%
	Target Compounds			
1) T	n-Nonane (C9)	3.270	1286606	10.491 ug/ml
2) T	n-Decane (C10)	4.336	1306831	10.474 ug/ml
3) T	A~Naphthalene (C11.7)	5.915	1437407	10.417 ug/ml
4) T	n-Dodecane (C12)	6.353	1318883	10.451 ug/ml
5) T	A~2-methylnaphthalene...	6.970	1392618	10.375 ug/ml
6) T	n-Tetradecane (C14)	8.146	1308417	10.411 ug/ml
7) T	n-Hexadecane (C16)	9.745	1367829	10.562 ug/ml
8) T	n-Octadecane (C18)	11.185	1404957	10.718 ug/ml
10) T	n-Eicosane (C20)	12.493	1359651	10.795 ug/ml
11) T	n-Heneicosane (C21)	13.104	1336214	10.787 ug/ml
13) T	n-Docosane (C22)	13.689	1324859	10.728 ug/ml
14) T	n-Tetracosane (C24)	14.791	1318090	10.622 ug/ml
15) T	n-Hexacosane (C26)	15.811	1292438	10.537 ug/ml
16) T	n-Octacosane (C28)	16.761	1284086	10.578 ug/ml
17) T	n-Tricontane (C30)	17.647	1321139	10.727 ug/ml
18) T	n-Dotriacontane (C32)	18.478	1282377	10.851 ug/ml
19) T	n-Tetratriacontane (C34)	19.261	1119659	10.805 ug/ml
20) T	n-Hexatriacontane (C36)	20.000	974156	10.885 ug/ml
21) T	n-Octatriacontane (C38)	20.724	893961	10.604 ug/ml
22) T	n-Tetracontane (C40)	21.611	848887	10.298 ug/ml

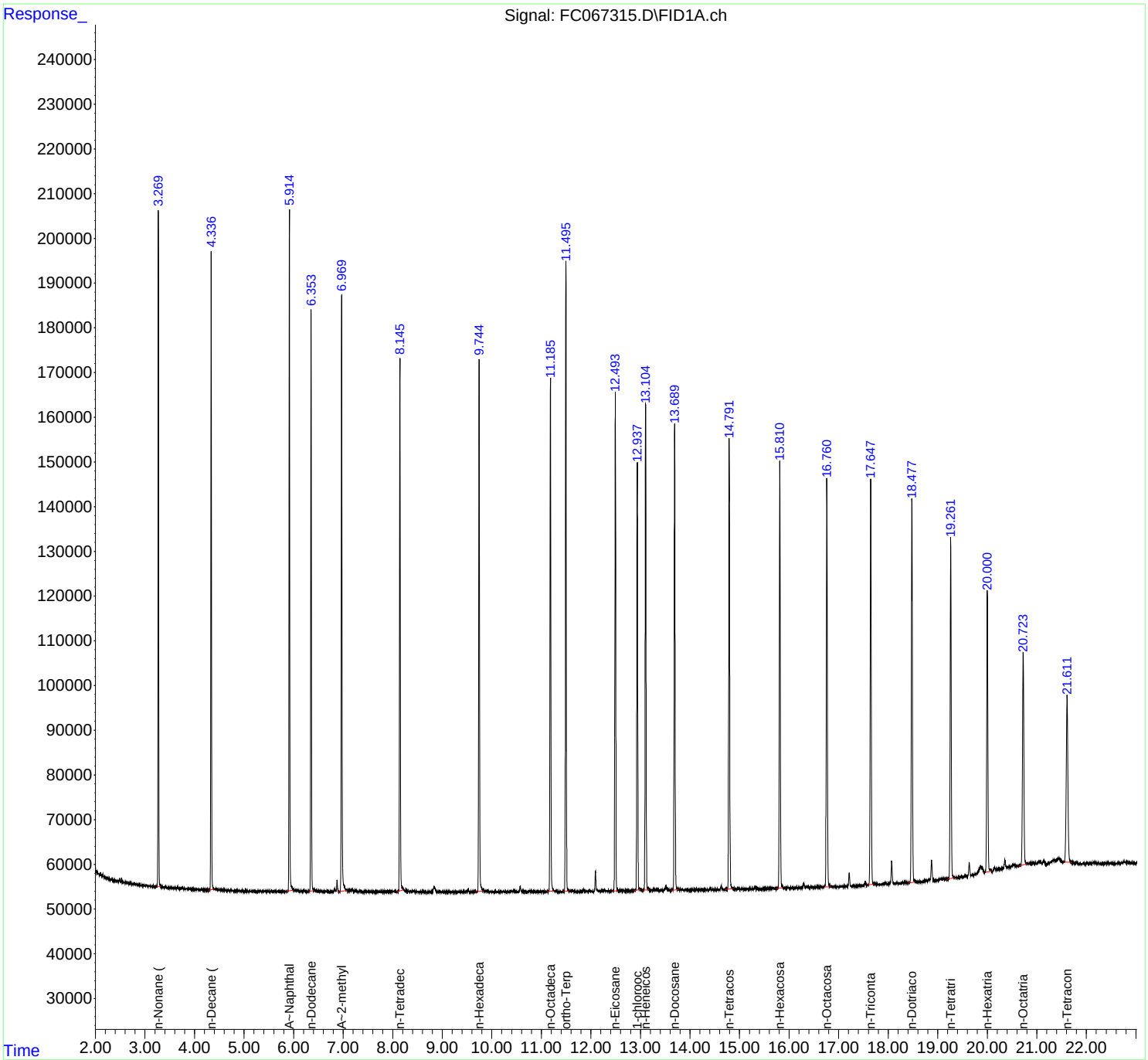
(f)=RT Delta > 1/2 Window (m)=manual int.

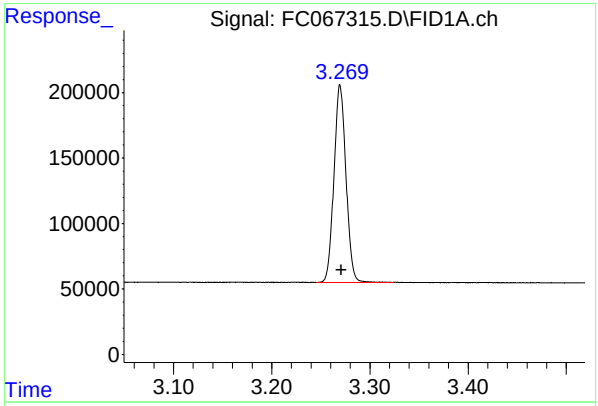
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067315.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 12:47
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 01 09:11:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

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

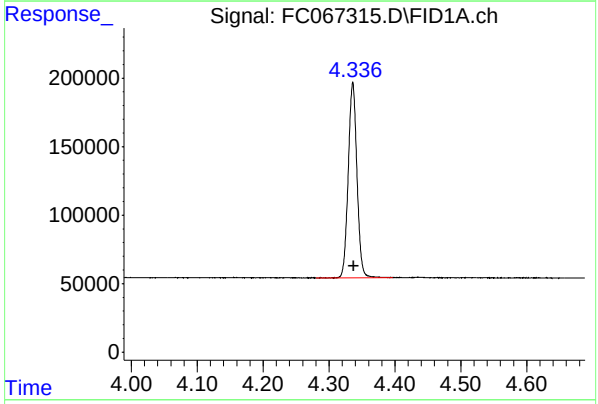




#1 n-Nonane (C9)

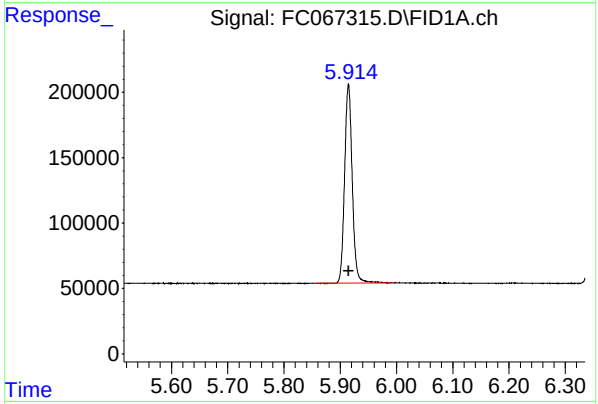
R.T.: 3.270 min
Delta R.T.: -0.001 min
Response: 1286606
Conc: 10.49 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



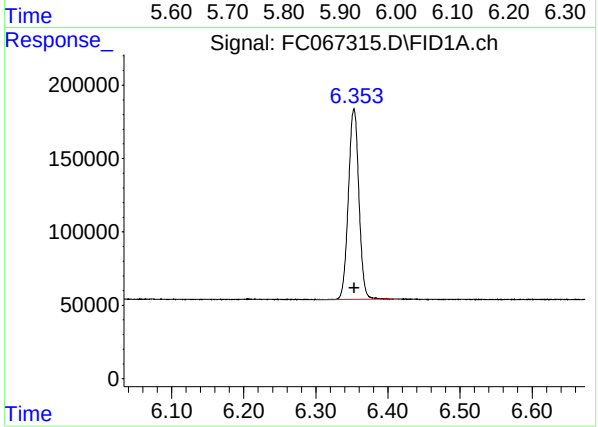
#2 n-Decane (C10)

R.T.: 4.336 min
Delta R.T.: -0.001 min
Response: 1306831
Conc: 10.47 ug/ml



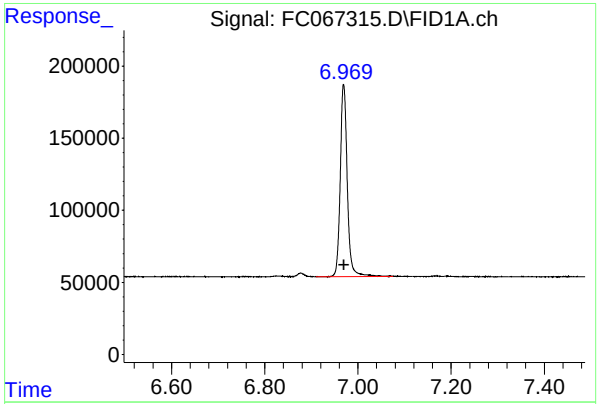
#3 A~Naphthalene (C11.7)

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 1437407
Conc: 10.42 ug/ml



#4 n-Dodecane (C12)

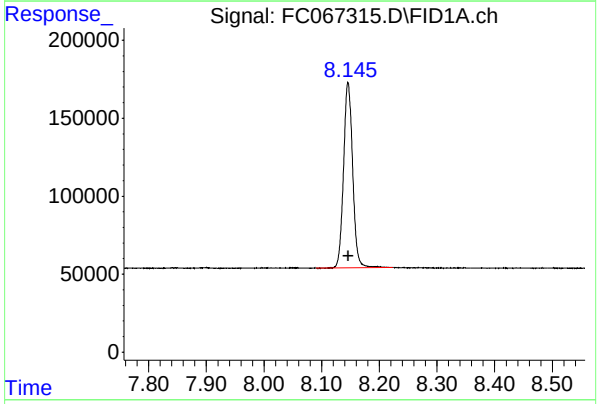
R.T.: 6.353 min
Delta R.T.: 0.000 min
Response: 1318883
Conc: 10.45 ug/ml



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

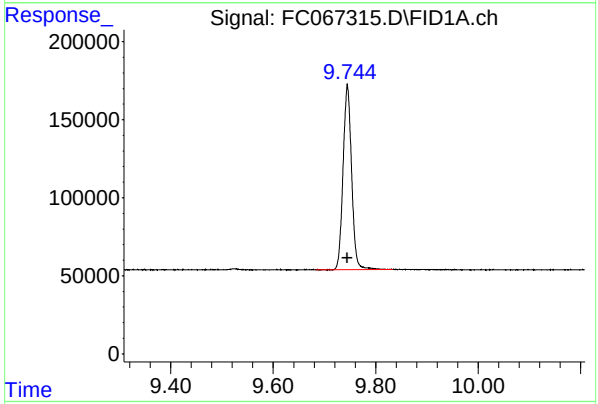
R.T.: 6.970 min
Delta R.T.: 0.000 min
Response: 1392618
Conc: 10.37 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



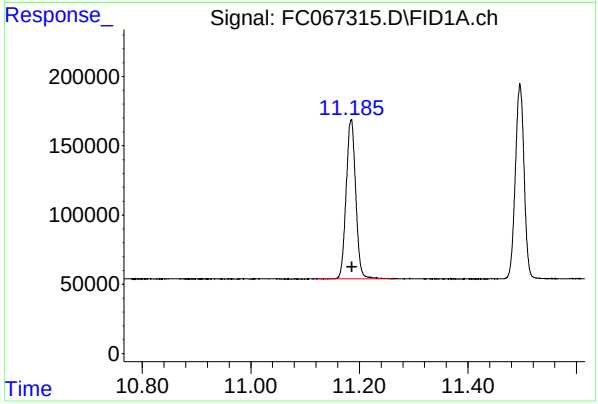
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 1308417
Conc: 10.41 ug/ml



#7 n-Hexadecane (C16)

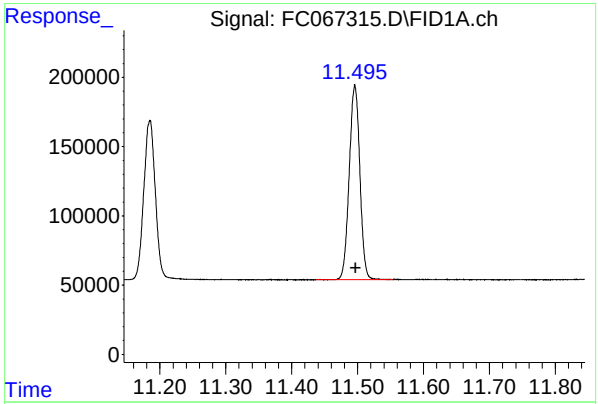
R.T.: 9.745 min
Delta R.T.: 0.000 min
Response: 1367829
Conc: 10.56 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.185 min
Delta R.T.: -0.001 min
Response: 1404957
Conc: 10.72 ug/ml

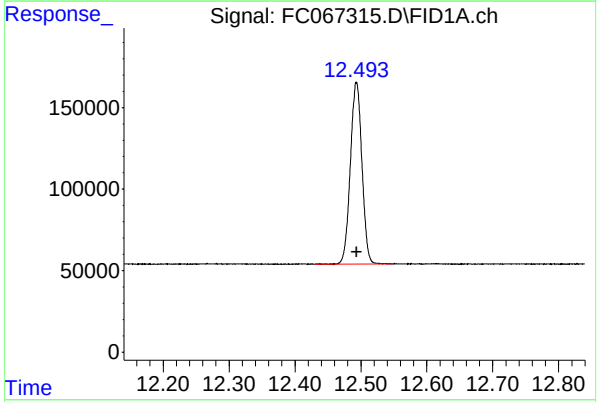
A
B
C
D
E
F



#9 ortho-Terphenyl (SURR)

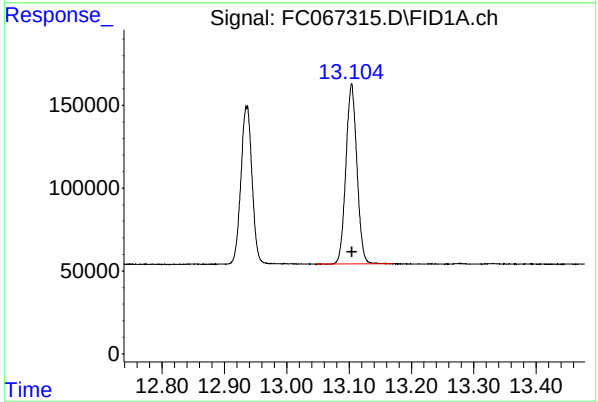
R.T.: 11.496 min
Delta R.T.: -0.001 min
Response: 1571986
Conc: 10.73 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



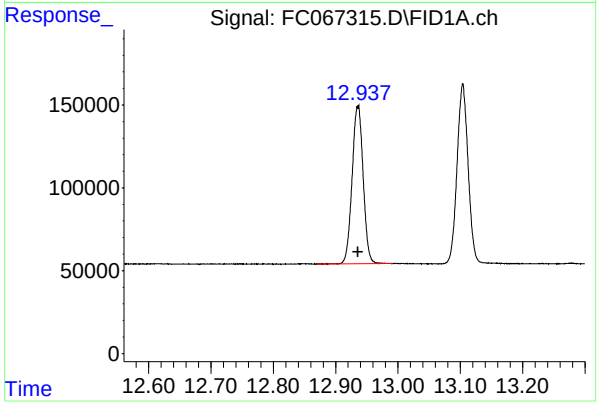
#10 n-Eicosane (C20)

R.T.: 12.493 min
Delta R.T.: 0.000 min
Response: 1359651
Conc: 10.80 ug/ml



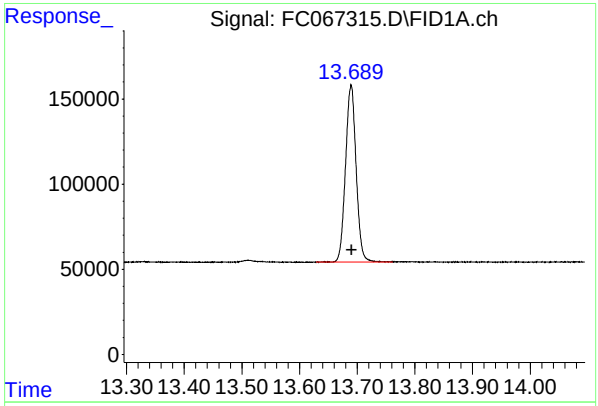
#11 n-Heneicosane (C21)

R.T.: 13.104 min
Delta R.T.: 0.000 min
Response: 1336214
Conc: 10.79 ug/ml



#12 1-chlorooctadecane (SURR)

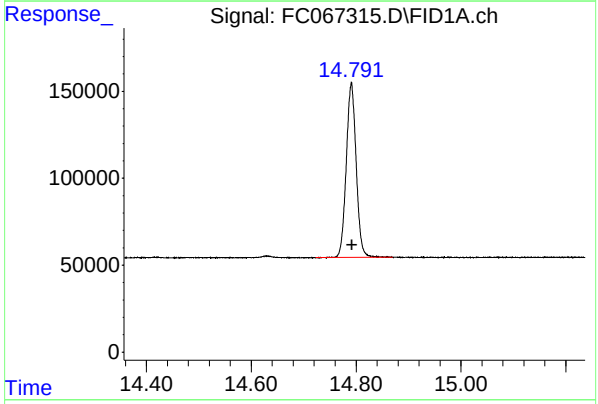
R.T.: 12.936 min
Delta R.T.: 0.000 min
Response: 1173605
Conc: 10.70 ug/ml



#13 n-Docosane (C22)

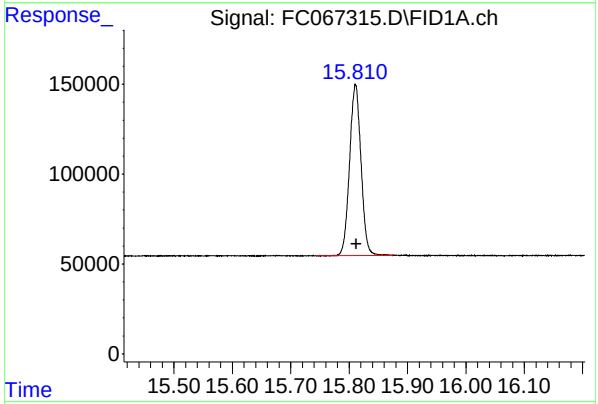
R.T.: 13.689 min
Delta R.T.: -0.001 min
Response: 1324859
Conc: 10.73 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



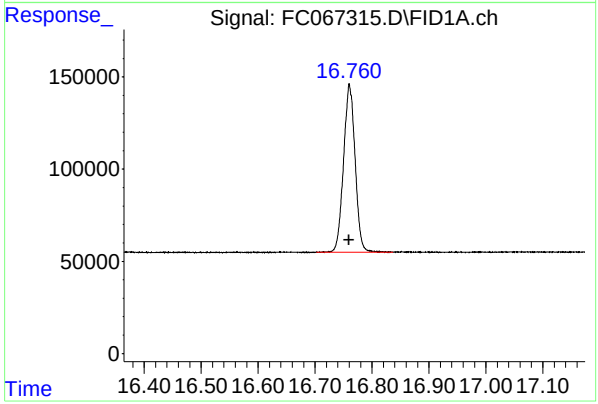
#14 n-Tetracosane (C24)

R.T.: 14.791 min
Delta R.T.: 0.000 min
Response: 1318090
Conc: 10.62 ug/ml



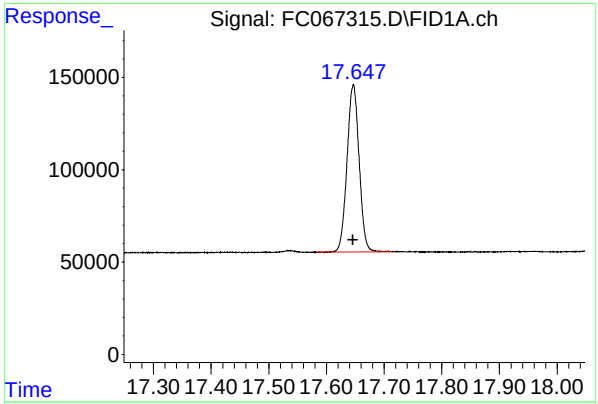
#15 n-Hexacosane (C26)

R.T.: 15.811 min
Delta R.T.: -0.002 min
Response: 1292438
Conc: 10.54 ug/ml



#16 n-Octacosane (C28)

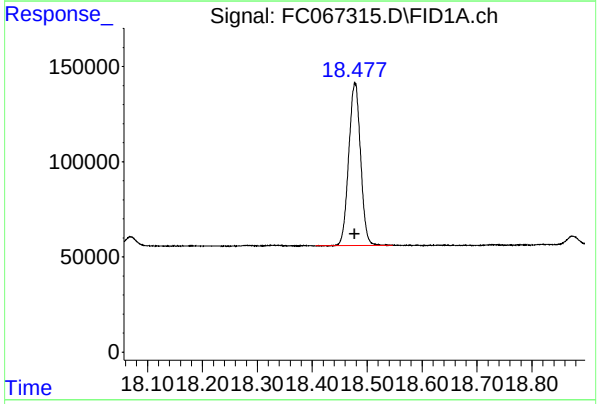
R.T.: 16.761 min
Delta R.T.: 0.000 min
Response: 1284086
Conc: 10.58 ug/ml



#17 n-Tricontane (C30)

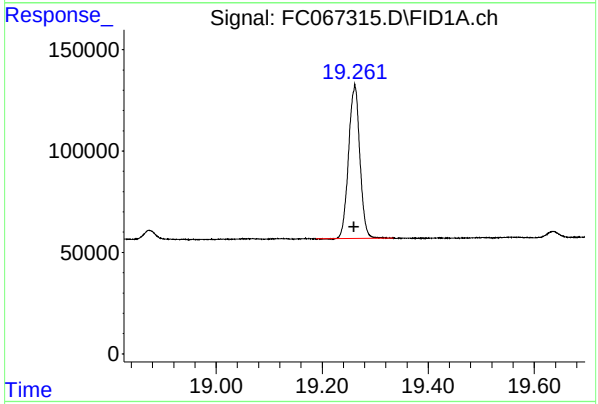
R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 1321139
Conc: 10.73 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



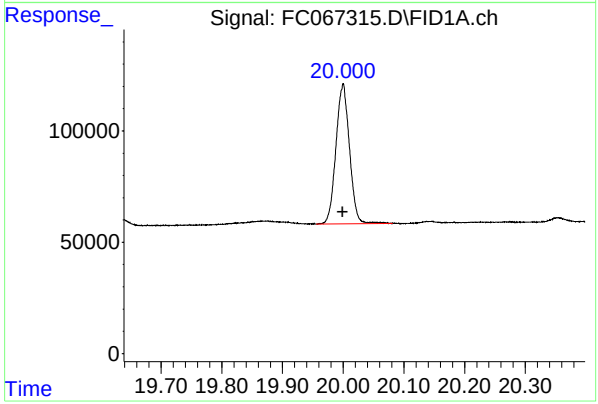
#18 n-Dotriacontane (C32)

R.T.: 18.478 min
Delta R.T.: 0.000 min
Response: 1282377
Conc: 10.85 ug/ml



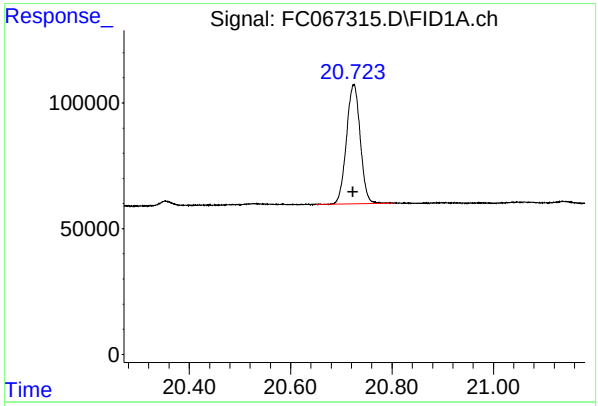
#19 n-Tetratriacontane (C34)

R.T.: 19.261 min
Delta R.T.: 0.002 min
Response: 1119659
Conc: 10.81 ug/ml



#20 n-Hexatriacontane (C36)

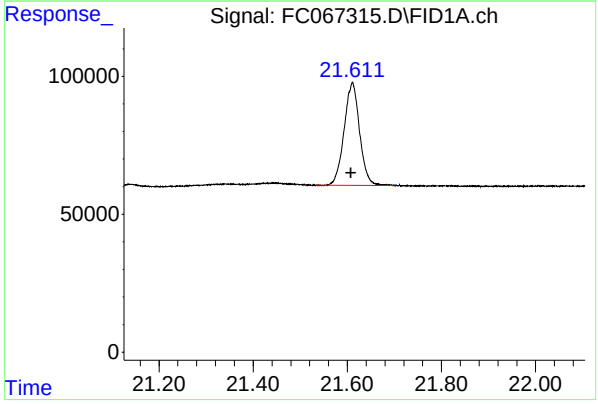
R.T.: 20.000 min
Delta R.T.: 0.000 min
Response: 974156
Conc: 10.88 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.724 min
Delta R.T.: 0.001 min
Response: 893961
Conc: 10.60 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.611 min
Delta R.T.: 0.003 min
Response: 848887
Conc: 10.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067315.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 12:47
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 100224.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	3.270	3.245	3.324	BB	149654	1286606	81.85%	4.607%
2	4.336	4.280	4.397	BB	143345	1306831	83.13%	4.680%
3	5.915	5.857	5.994	BB	152594	1437407	91.44%	5.147%
4	6.353	6.300	6.407	BB	129992	1318883	83.90%	4.723%
5	6.970	6.910	7.075	BB	132847	1392618	88.59%	4.987%
6	8.146	8.090	8.224	BB	118854	1308417	83.23%	4.686%
7	9.745	9.684	9.834	BB	118309	1367829	87.01%	4.898%
8	11.185	11.120	11.262	BB	115074	1404957	89.37%	5.031%
9	11.496	11.437	11.554	BB	139977	1571986	100.00%	5.629%
10	12.493	12.432	12.549	BB	111570	1359651	86.49%	4.869%
11	12.936	12.869	12.992	BB	94987	1173605	74.66%	4.203%
12	13.104	13.047	13.170	BB	108646	1336214	85.00%	4.785%
13	13.689	13.629	13.762	BB	103488	1324859	84.28%	4.744%
14	14.791	14.724	14.870	BB	99895	1318090	83.85%	4.720%
15	15.811	15.744	15.875	BB	95486	1292438	82.22%	4.628%
16	16.761	16.702	16.837	BB	90915	1284086	81.69%	4.598%
17	17.647	17.582	17.715	BB	90874	1321139	84.04%	4.731%
18	18.478	18.407	18.547	BB	85034	1282377	81.58%	4.592%
19	19.261	19.189	19.334	BB	76227	1119659	71.23%	4.010%
20	20.000	19.955	20.082	BB	63358	974156	61.97%	3.489%
21	20.724	20.650	20.802	BB	47317	893961	56.87%	3.201%
22	21.611	21.534	21.697	BB	37257	848887	54.00%	3.040%
			Sum of corrected areas:			27924656		

Aliphatic EPH 100224.M Tue Oct 01 09:21:38 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067316.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 13:35
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

A B C D E F

Integration File: autoint1.e
Quant Time: Oct 01 09:12:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
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)	11.496	821094	5.505 ug/ml
Spiked Amount	50.000		Recovery =	11.01%
12) S	1-chlorooctadecane (S...	12.936	597484	5.353 ug/ml
Spiked Amount	50.000		Recovery =	10.71%
	Target Compounds			
1) T	n-Nonane (C9)	3.271	686146	5.527 ug/ml
2) T	n-Decane (C10)	4.336	688670	5.455 ug/ml
3) T	A~Naphthalene (C11.7)	5.915	757843	5.435 ug/ml
4) T	n-Dodecane (C12)	6.352	691712	5.420 ug/ml
5) T	A~2-methylnaphthalene...	6.970	719915	5.313 ug/ml
6) T	n-Tetradecane (C14)	8.146	680596	5.360 ug/ml
7) T	n-Hexadecane (C16)	9.745	701420	5.341 ug/ml
8) T	n-Octadecane (C18)	11.185	721326	5.406 ug/ml
10) T	n-Eicosane (C20)	12.493	695208	5.412 ug/ml
11) T	n-Heneicosane (C21)	13.105	680195	5.385 ug/ml
13) T	n-Docosane (C22)	13.690	677301	5.386 ug/ml
14) T	n-Tetracosane (C24)	14.792	676857	5.371 ug/ml
15) T	n-Hexacosane (C26)	15.811	666097	5.359 ug/ml
16) T	n-Octacosane (C28)	16.759	677736	5.503 ug/ml
17) T	n-Tricontane (C30)	17.647	712654	5.683 ug/ml
18) T	n-Dotriacontane (C32)	18.478	709265	5.876 ug/ml
19) T	n-Tetratriacontane (C34)	19.260	617762	5.844 ug/ml
20) T	n-Hexatriacontane (C36)	20.000	533422	5.831 ug/ml
21) T	n-Octatriacontane (C38)	20.724	480941	5.620 ug/ml
22) T	n-Tetracontane (C40)	21.612	490214	5.903 ug/ml

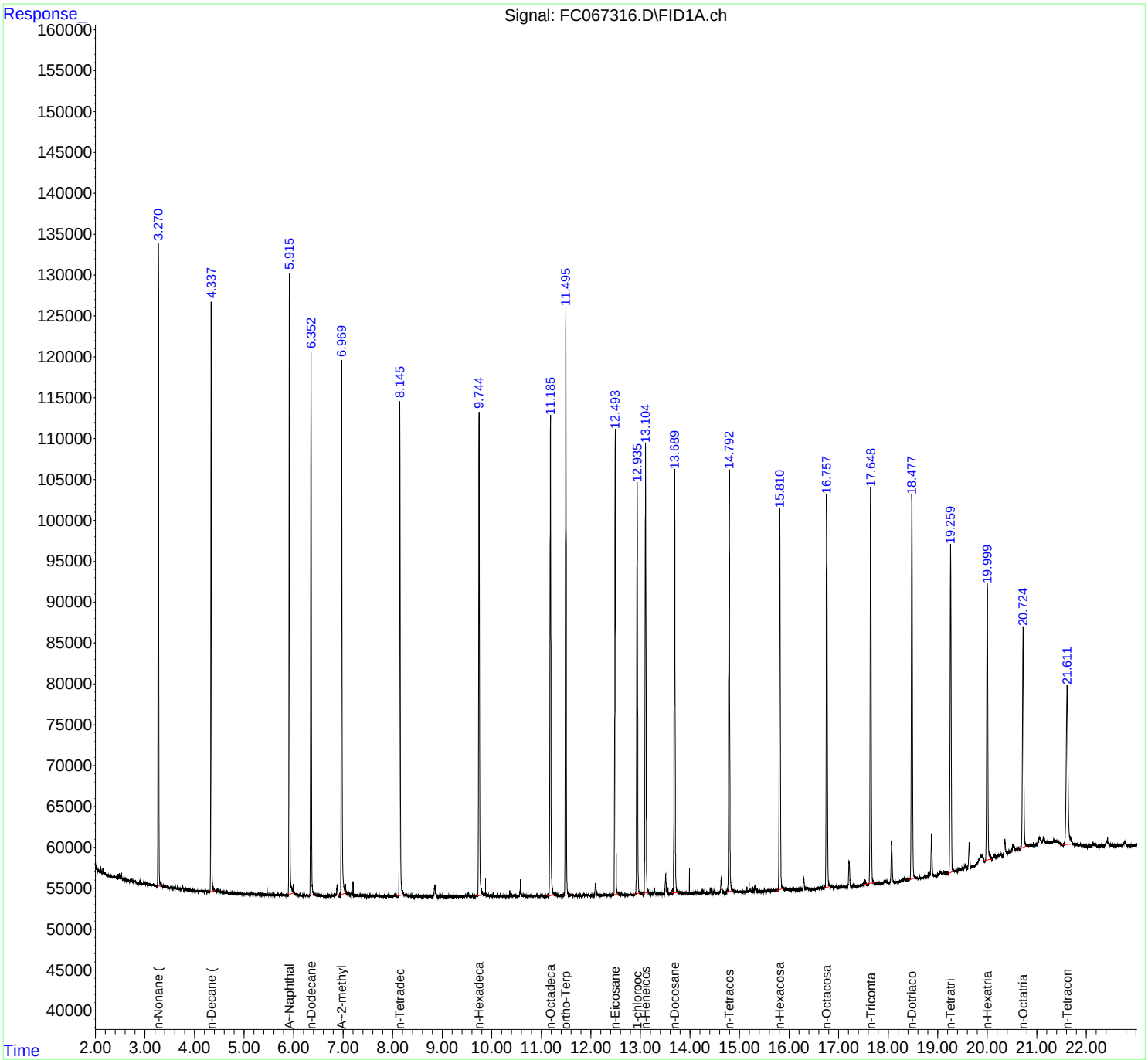
(f)=RT Delta > 1/2 Window (m)=manual int.

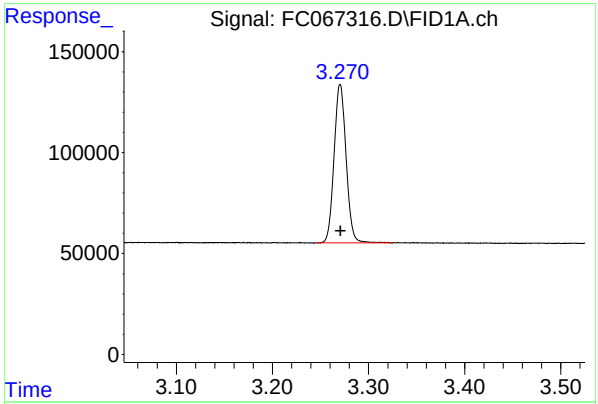
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067316.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 13:35
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 01 09:12:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

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

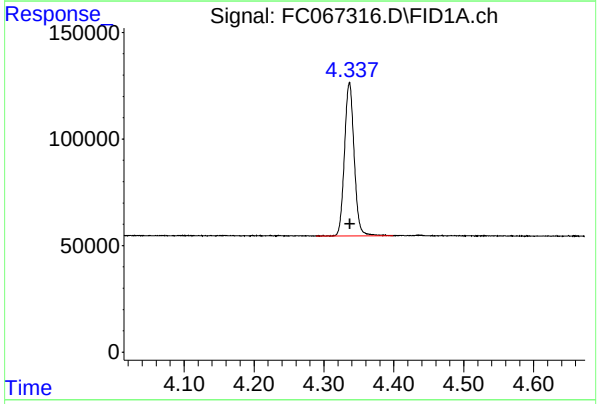




#1 n-Nonane (C9)

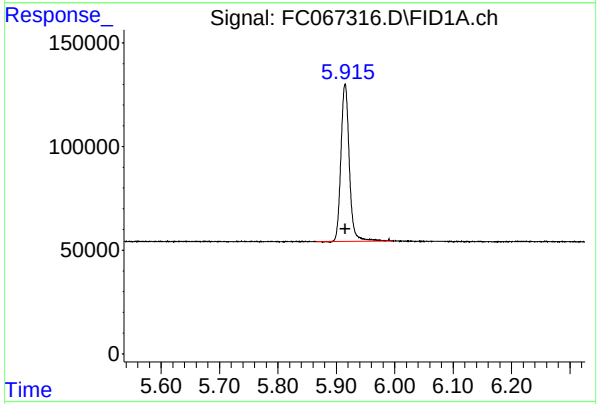
R.T.: 3.271 min
Delta R.T.: 0.000 min
Response: 686146
Conc: 5.53 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



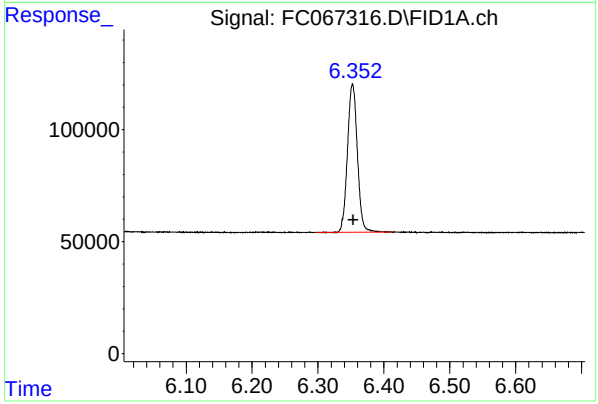
#2 n-Decane (C10)

R.T.: 4.336 min
Delta R.T.: 0.000 min
Response: 688670
Conc: 5.46 ug/ml



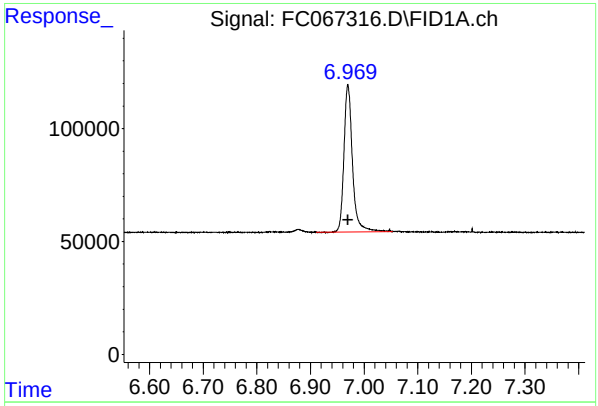
#3 A~Naphthalene (C11.7)

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 757843
Conc: 5.44 ug/ml



#4 n-Dodecane (C12)

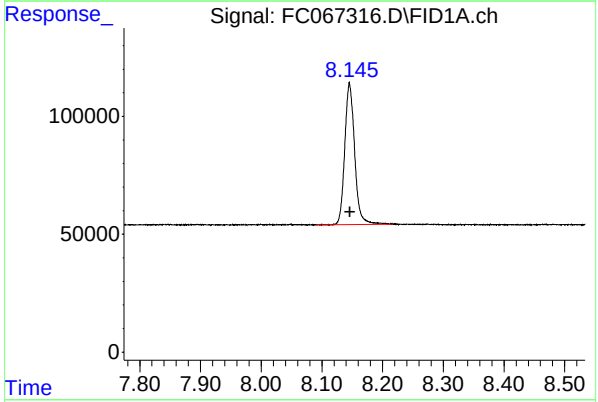
R.T.: 6.352 min
Delta R.T.: 0.000 min
Response: 691712
Conc: 5.42 ug/ml



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

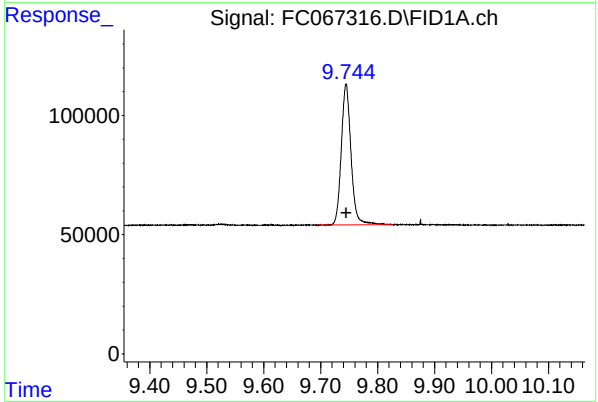
R.T.: 6.970 min
Delta R.T.: 0.000 min
Response: 719915
Conc: 5.31 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



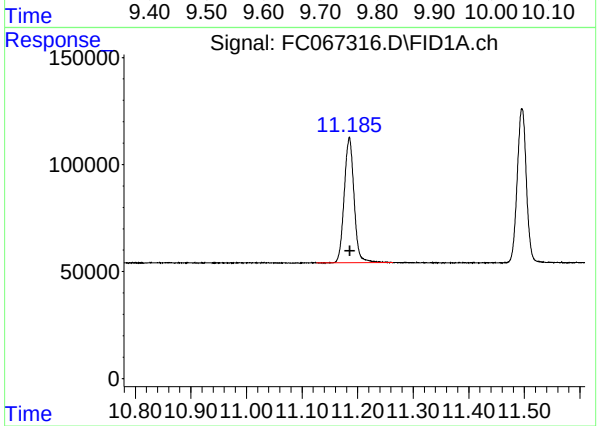
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 680596
Conc: 5.36 ug/ml



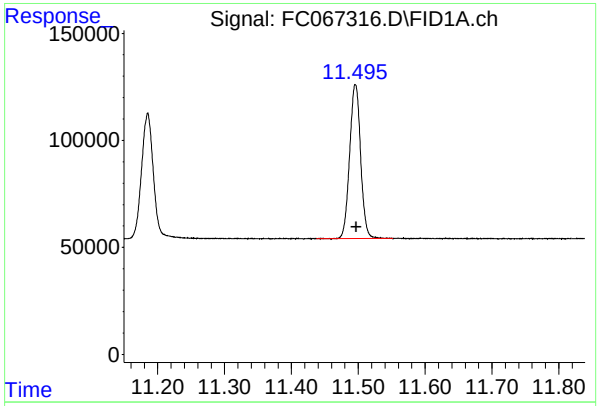
#7 n-Hexadecane (C16)

R.T.: 9.745 min
Delta R.T.: 0.000 min
Response: 701420
Conc: 5.34 ug/ml



#8 n-Octadecane (C18)

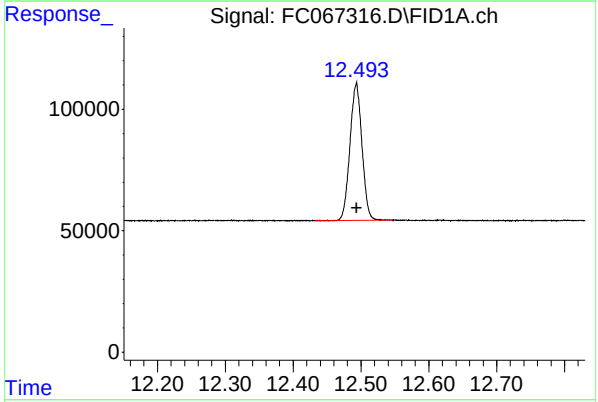
R.T.: 11.185 min
Delta R.T.: -0.001 min
Response: 721326
Conc: 5.41 ug/ml



#9 ortho-Terphenyl (SURR)

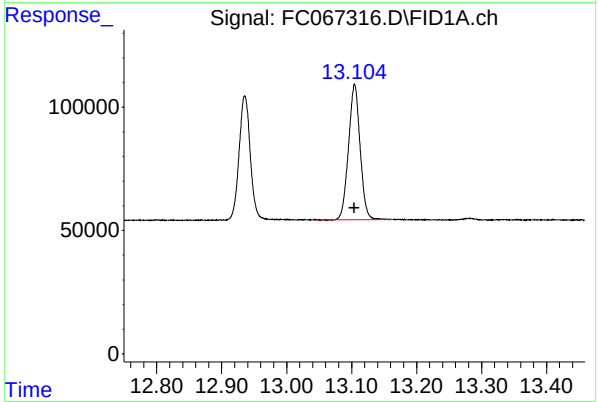
R.T.: 11.496 min
Delta R.T.: -0.001 min
Response: 821094
Conc: 5.51 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



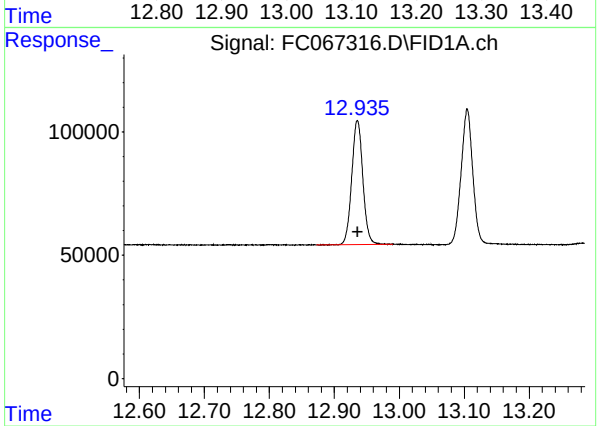
#10 n-Eicosane (C20)

R.T.: 12.493 min
Delta R.T.: 0.000 min
Response: 695208
Conc: 5.41 ug/ml



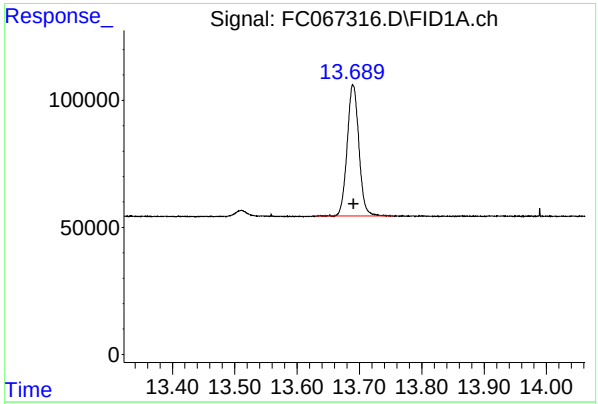
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: 0.000 min
Response: 680195
Conc: 5.39 ug/ml



#12 1-chlorooctadecane (SURR)

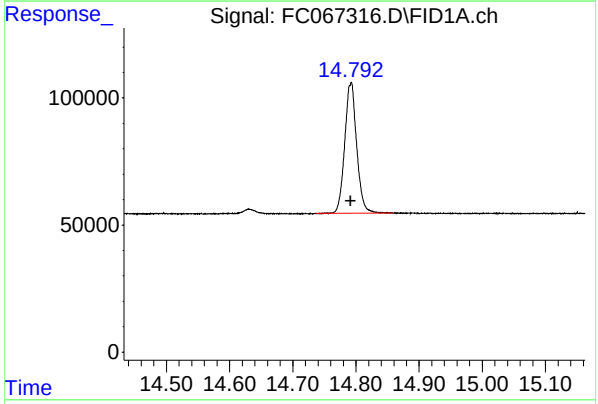
R.T.: 12.936 min
Delta R.T.: 0.000 min
Response: 597484
Conc: 5.35 ug/ml



#13 n-Docosane (C22)

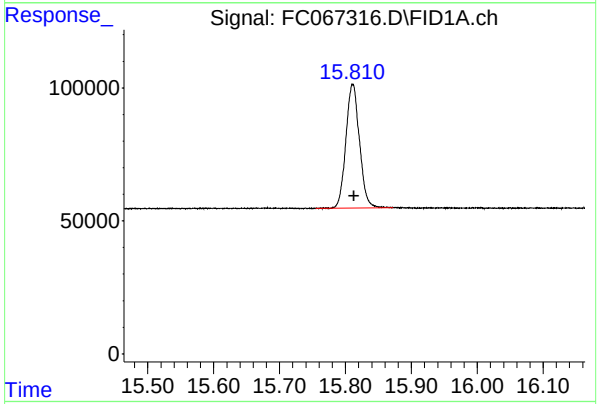
R.T.: 13.690 min
Delta R.T.: 0.000 min
Response: 677301
Conc: 5.39 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



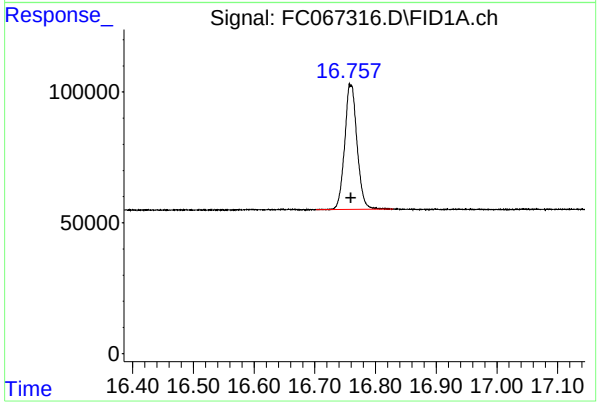
#14 n-Tetracosane (C24)

R.T.: 14.792 min
Delta R.T.: 0.000 min
Response: 676857
Conc: 5.37 ug/ml



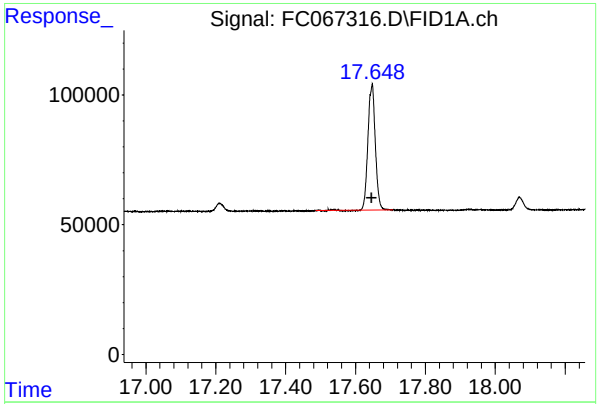
#15 n-Hexacosane (C26)

R.T.: 15.811 min
Delta R.T.: -0.002 min
Response: 666097
Conc: 5.36 ug/ml



#16 n-Octacosane (C28)

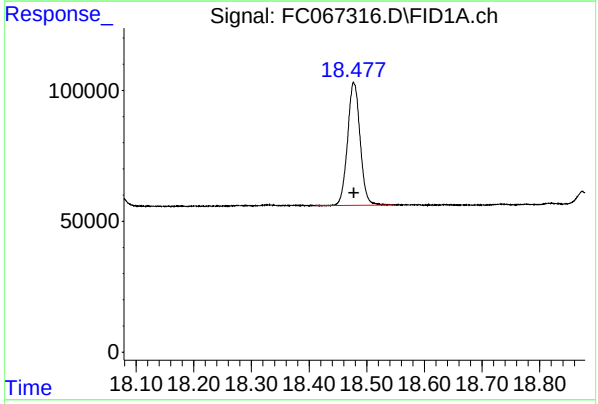
R.T.: 16.759 min
Delta R.T.: 0.000 min
Response: 677736
Conc: 5.50 ug/ml



#17 n-Tricontane (C30)

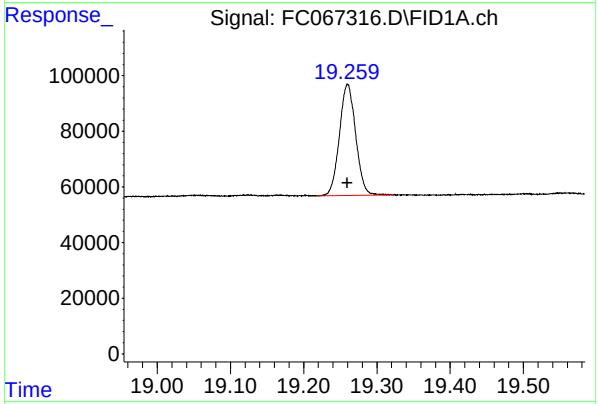
R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 712654
Conc: 5.68 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



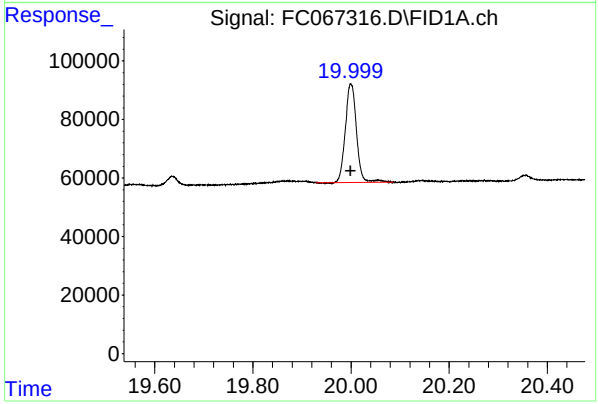
#18 n-Dotriacontane (C32)

R.T.: 18.478 min
Delta R.T.: 0.000 min
Response: 709265
Conc: 5.88 ug/ml



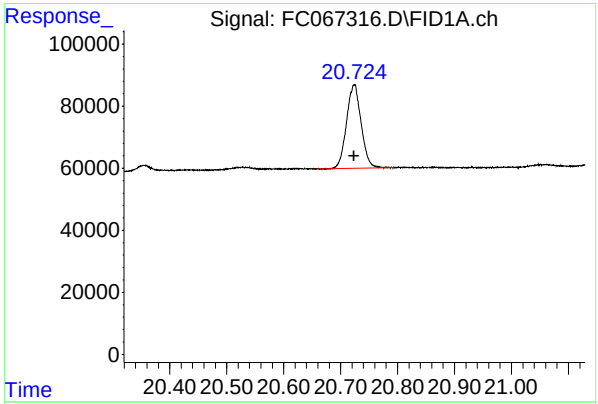
#19 n-Tetratriacontane (C34)

R.T.: 19.260 min
Delta R.T.: 0.000 min
Response: 617762
Conc: 5.84 ug/ml



#20 n-Hexatriacontane (C36)

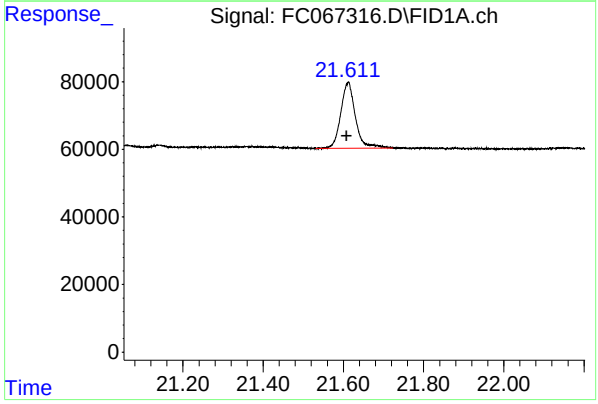
R.T.: 20.000 min
Delta R.T.: 0.000 min
Response: 533422
Conc: 5.83 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.724 min
Delta R.T.: 0.000 mi
Response: 480941
Conc: 5.62 ug/m

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.612 min
Delta R.T.: 0.004 min
Response: 490214
Conc: 5.90 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067316.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 13:35
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 100224.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	3.271	3.245	3.325	BB	78681	686146	83.56%	4.673%
2	4.336	4.289	4.399	BB	72152	688670	83.87%	4.690%
3	5.915	5.865	5.997	BB	76027	757843	92.30%	5.161%
4	6.352	6.297	6.414	BB	66053	691712	84.24%	4.711%
5	6.970	6.910	7.054	BB	65101	719915	87.68%	4.903%
6	8.146	8.090	8.217	BB	60011	680596	82.89%	4.635%
7	9.745	9.692	9.827	BB	59283	701420	85.42%	4.777%
8	11.185	11.125	11.264	BB	58904	721326	87.85%	4.912%
9	11.496	11.437	11.552	BB	72136	821094	100.00%	5.592%
10	12.493	12.434	12.547	BB	56965	695208	84.67%	4.735%
11	12.936	12.872	12.990	BB	50290	597484	72.77%	4.069%
12	13.105	13.045	13.164	BB	54789	680195	82.84%	4.632%
13	13.690	13.630	13.754	BB	51352	677301	82.49%	4.613%
14	14.792	14.737	14.859	BB	51124	676857	82.43%	4.610%
15	15.811	15.755	15.872	BB	46744	666097	81.12%	4.536%
16	16.759	16.702	16.829	BB	47167	677736	82.54%	4.616%
17	17.647	17.487	17.707	BB	48207	712654	86.79%	4.853%
18	18.478	18.412	18.545	BB	46869	709265	86.38%	4.830%
19	19.260	19.217	19.322	BB	39937	617762	75.24%	4.207%
20	20.000	19.929	20.085	BB	33595	533422	64.96%	3.633%
21	20.724	20.657	20.792	BB	26905	480941	58.57%	3.275%
22	21.612	21.532	21.724	BB	19525	490214	59.70%	3.338%
			Sum of corrected areas:			14683859		

Aliphatic EPH 100224.M Tue Oct 01 09:21:54 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067317.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 14:29
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

A B C D E F

Integration File: autoint1.e
Quant Time: Oct 01 09:15:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
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)	11.498	2856514	18.773 ug/ml
Spiked Amount	50.000		Recovery =	37.55%
12) S	1-chlorooctadecane (S...	12.936	2133568	18.849 ug/ml
Spiked Amount	50.000		Recovery =	37.70%
	Target Compounds			
1) T	n-Nonane (C9)	3.270	2407553	18.993 ug/ml
2) T	n-Decane (C10)	4.336	2442213	18.999 ug/ml
3) T	A~Naphthalene (C11.7)	5.915	2689038	18.956 ug/ml
4) T	n-Dodecane (C12)	6.353	2456420	18.930 ug/ml
5) T	A~2-methylnaphthalene...	6.970	2597570	18.934 ug/ml
6) T	n-Tetradecane (C14)	8.146	2450775	19.028 ug/ml
7) T	n-Hexadecane (C16)	9.746	2523898	18.960 ug/ml
8) T	n-Octadecane (C18)	11.186	2573183	18.976 ug/ml
10) T	n-Eicosane (C20)	12.494	2485014	19.032 ug/ml
11) T	n-Heneicosane (C21)	13.105	2426455	18.919 ug/ml
13) T	n-Docosane (C22)	13.691	2465913	19.312 ug/ml
14) T	n-Tetracosane (C24)	14.792	2609769	20.406 ug/ml
15) T	n-Hexacosane (C26)	15.813	2600091	20.622 ug/ml
16) T	n-Octacosane (C28)	16.762	2654837	21.132 ug/ml
17) T	n-Tricontane (C30)	17.647	2708550	21.025 ug/ml
18) T	n-Dotriacontane (C32)	18.478	2596492	20.784 ug/ml
19) T	n-Tetratriacontane (C34)	19.261	2217081	20.289 ug/ml
20) T	n-Hexatriacontane (C36)	20.000	1805047	19.097 ug/ml
21) T	n-Octatriacontane (C38)	20.724	1666956	19.008 ug/ml
22) T	n-Tetracontane (C40)	21.608	1643254	19.097 ug/ml

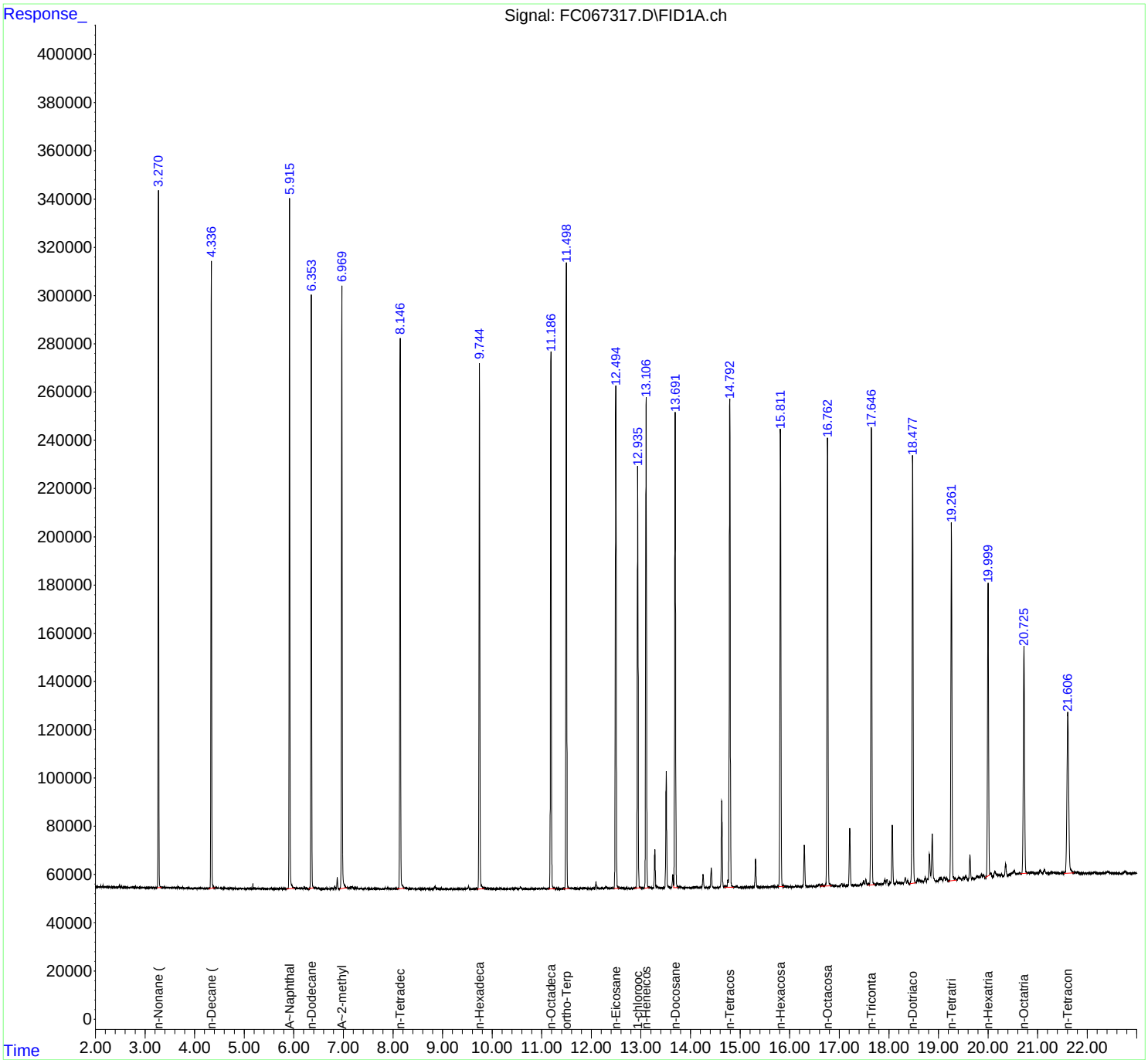
(f)=RT Delta > 1/2 Window (m)=manual int.

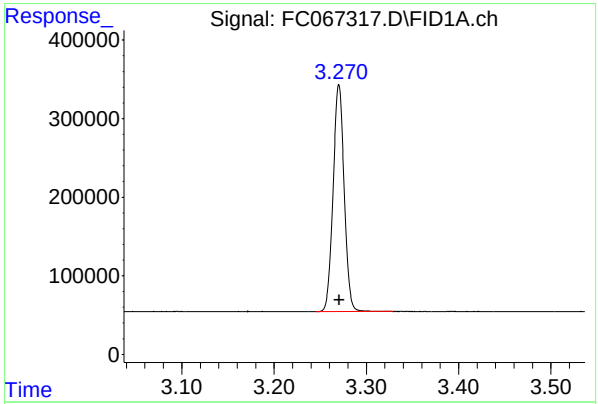
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067317.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 14:29
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 01 09:15:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

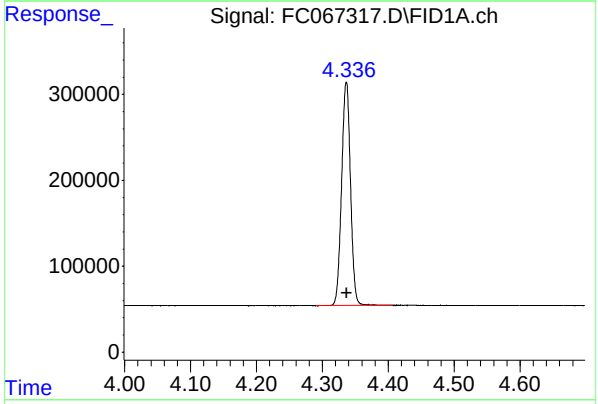




#1 n-Nonane (C9)

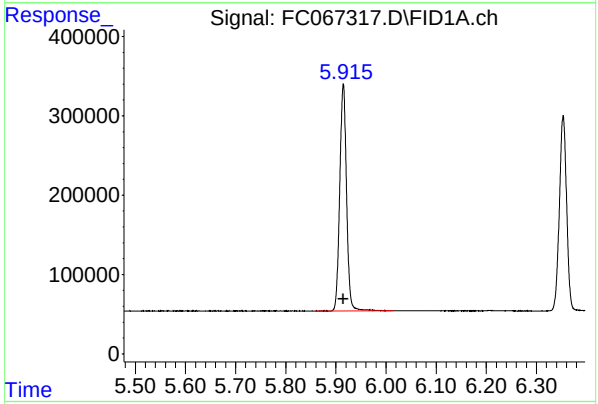
R.T.: 3.270 min
Delta R.T.: 0.000 min
Response: 2407553
Conc: 18.99 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



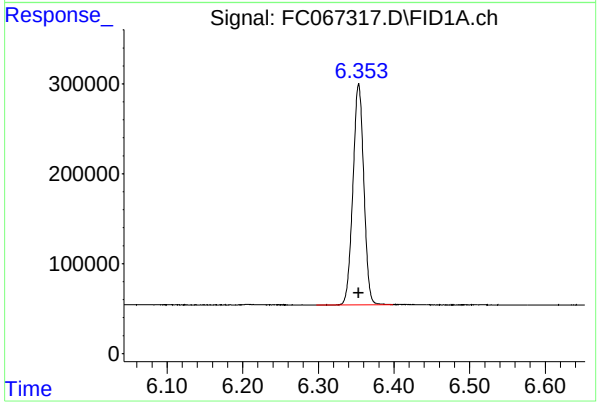
#2 n-Decane (C10)

R.T.: 4.336 min
Delta R.T.: 0.000 min
Response: 2442213
Conc: 19.00 ug/ml



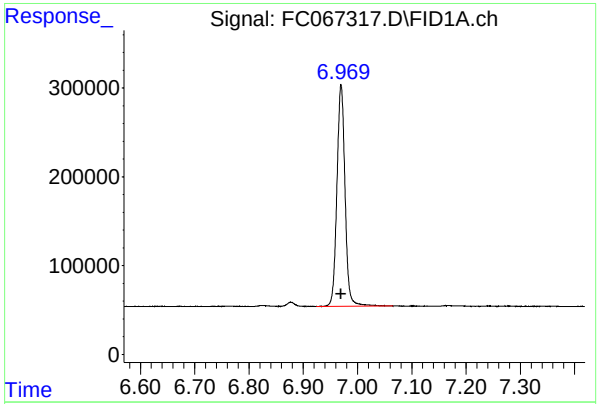
#3 A~Naphthalene (C11.7)

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 2689038
Conc: 18.96 ug/ml



#4 n-Dodecane (C12)

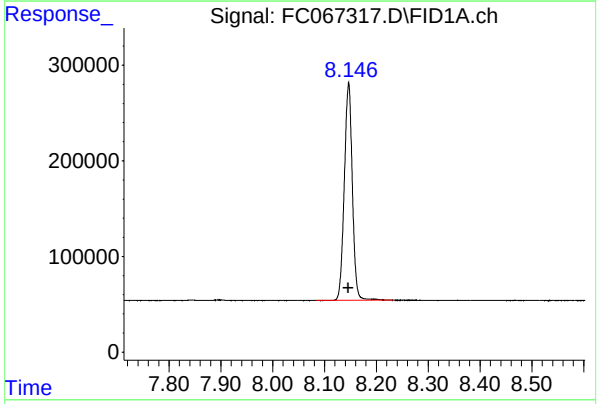
R.T.: 6.353 min
Delta R.T.: 0.000 min
Response: 2456420
Conc: 18.93 ug/ml



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

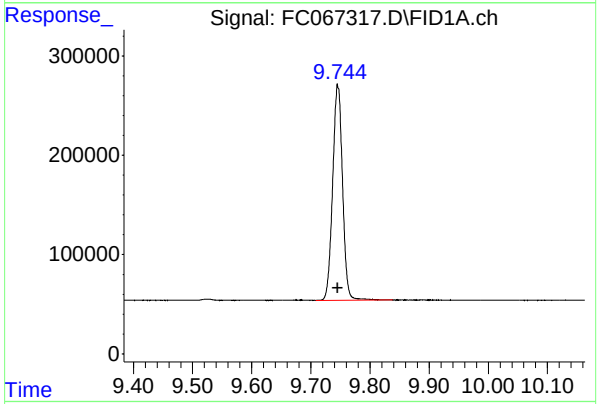
R.T.: 6.970 min
Delta R.T.: 0.000 min
Response: 2597570
Conc: 18.93 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



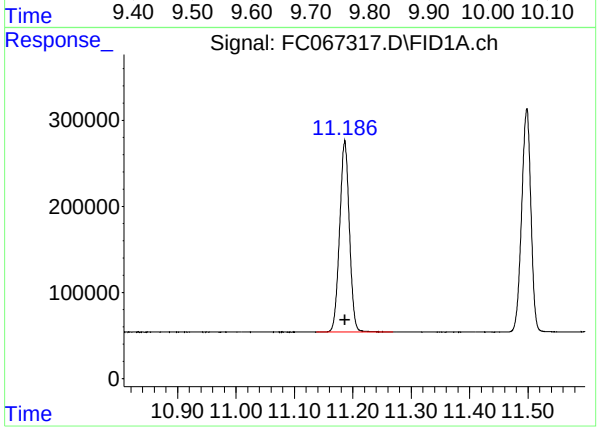
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 2450775
Conc: 19.03 ug/ml



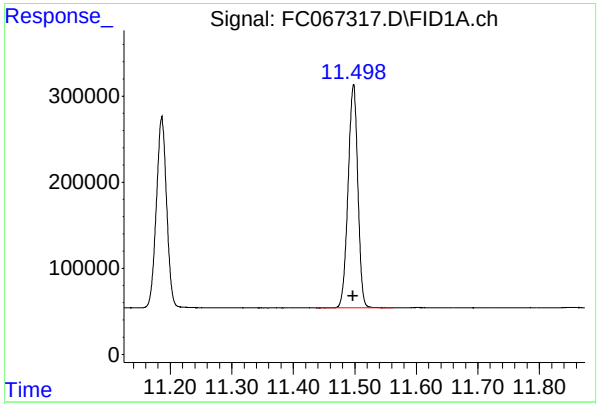
#7 n-Hexadecane (C16)

R.T.: 9.746 min
Delta R.T.: 0.000 min
Response: 2523898
Conc: 18.96 ug/ml



#8 n-Octadecane (C18)

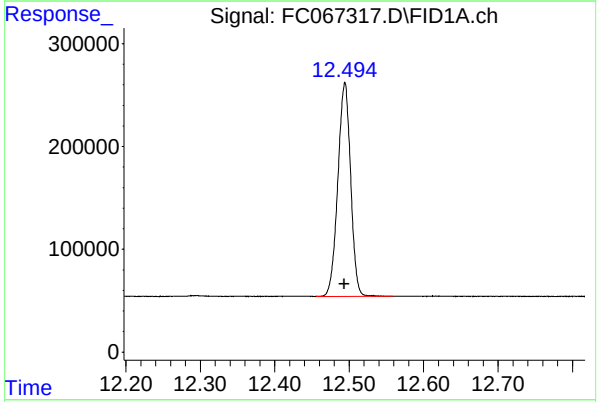
R.T.: 11.186 min
Delta R.T.: 0.000 min
Response: 2573183
Conc: 18.98 ug/ml



#9 ortho-Terphenyl (SURR)

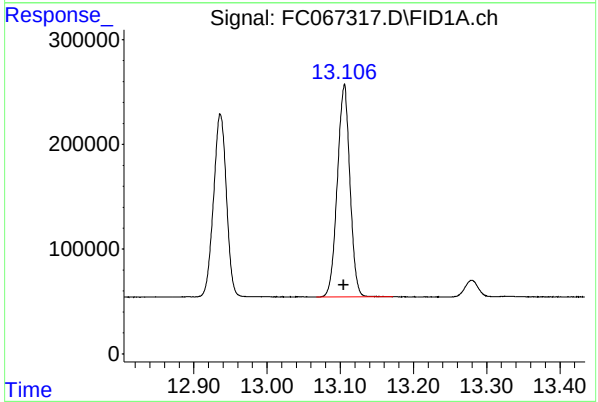
R.T.: 11.498 min
Delta R.T.: 0.000 min
Response: 2856514
Conc: 18.77 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



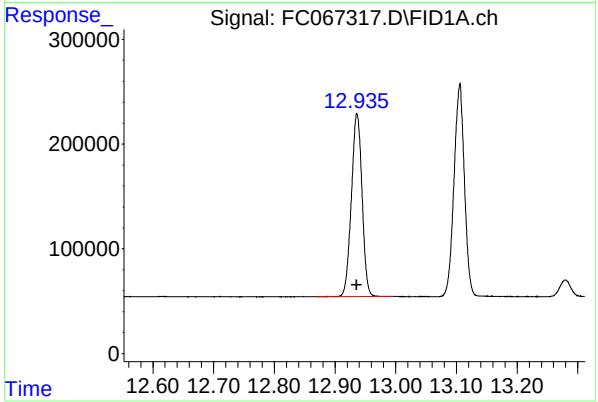
#10 n-Eicosane (C20)

R.T.: 12.494 min
Delta R.T.: 0.000 min
Response: 2485014
Conc: 19.03 ug/ml



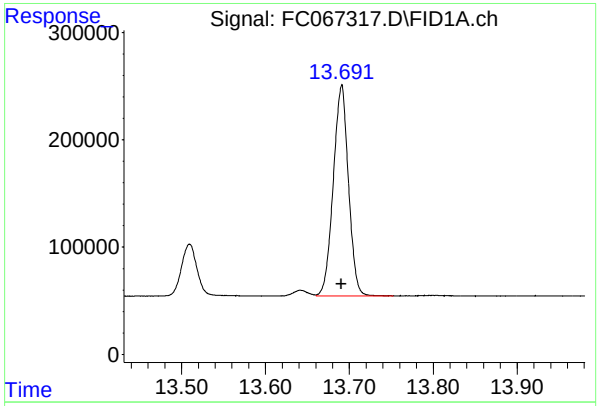
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: 0.000 min
Response: 2426455
Conc: 18.92 ug/ml



#12 1-chlorooctadecane (SURR)

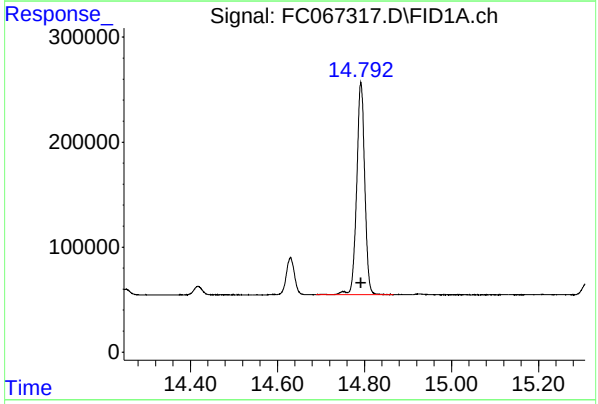
R.T.: 12.936 min
Delta R.T.: 0.000 min
Response: 2133568
Conc: 18.85 ug/ml



#13 n-Docosane (C22)

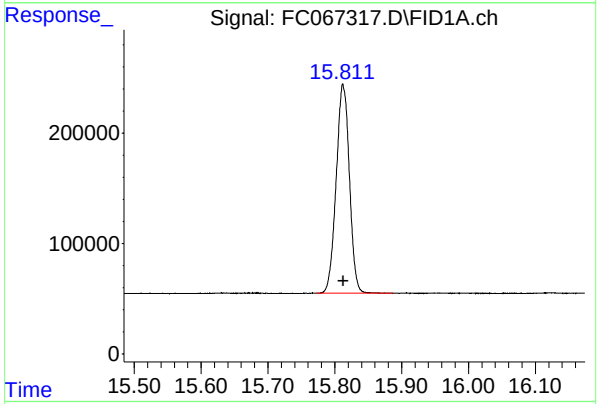
R.T.: 13.691 min
Delta R.T.: 0.000 min
Response: 2465913
Conc: 19.31 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



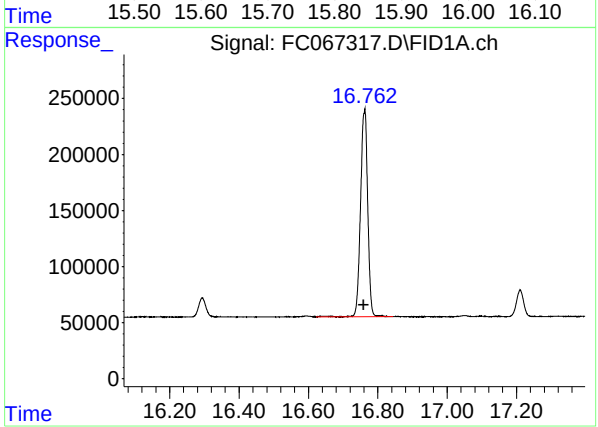
#14 n-Tetracosane (C24)

R.T.: 14.792 min
Delta R.T.: 0.000 min
Response: 2609769
Conc: 20.41 ug/ml



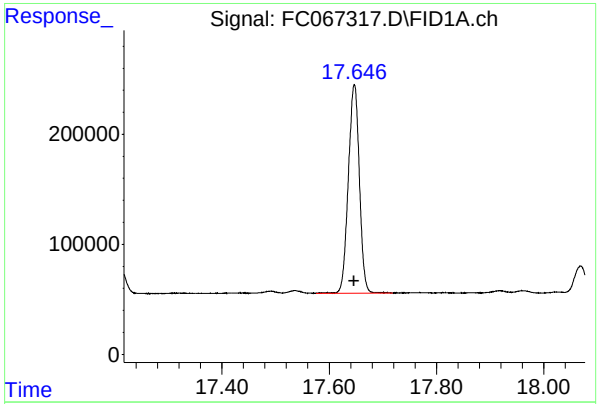
#15 n-Hexacosane (C26)

R.T.: 15.813 min
Delta R.T.: 0.000 min
Response: 2600091
Conc: 20.62 ug/ml



#16 n-Octacosane (C28)

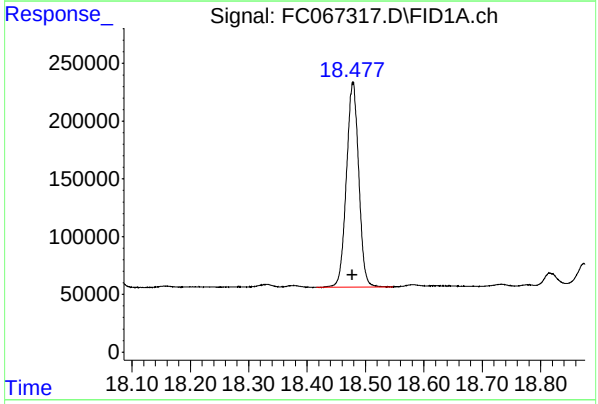
R.T.: 16.762 min
Delta R.T.: 0.002 min
Response: 2654837
Conc: 21.13 ug/ml



#17 n-Tricontane (C30)

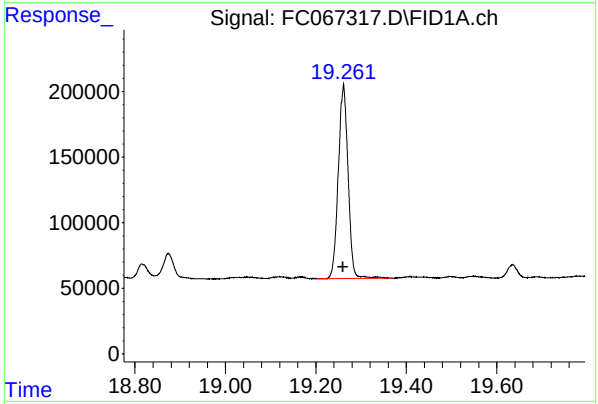
R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 2708550
Conc: 21.03 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



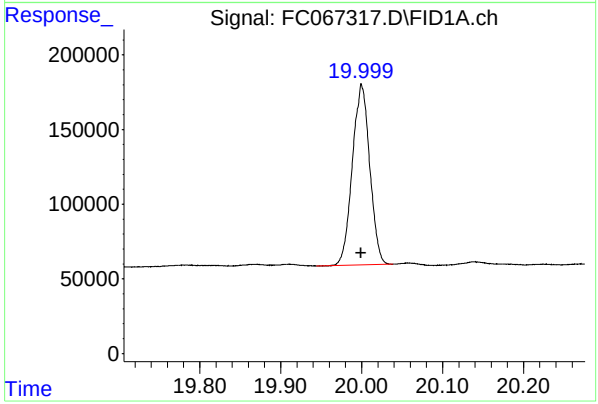
#18 n-Dotriacontane (C32)

R.T.: 18.478 min
Delta R.T.: 0.000 min
Response: 2596492
Conc: 20.78 ug/ml



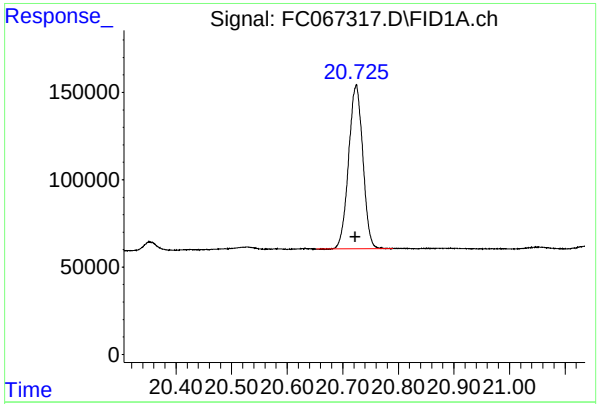
#19 n-Tetratriacontane (C34)

R.T.: 19.261 min
Delta R.T.: 0.001 min
Response: 2217081
Conc: 20.29 ug/ml



#20 n-Hexatriacontane (C36)

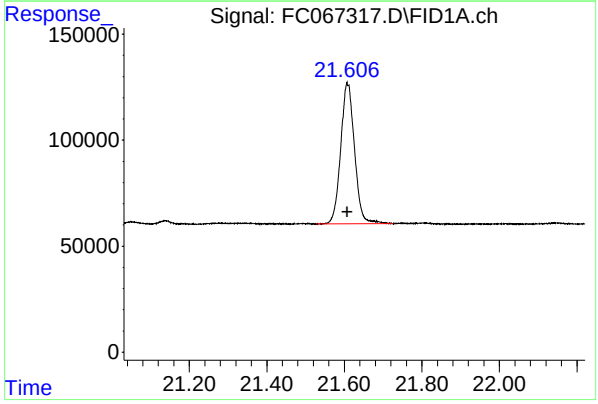
R.T.: 20.000 min
Delta R.T.: 0.000 min
Response: 1805047
Conc: 19.10 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.724 min
Delta R.T.: 0.000 min
Response: 1666956
Conc: 19.01 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.608 min
Delta R.T.: 0.000 min
Response: 1643254
Conc: 19.10 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067317.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 14:29
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 100224.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	3.270	3.245	3.329	BB	288931	2407553	84.28%	4.542%
2	4.336	4.290	4.407	BB	261348	2442213	85.50%	4.607%
3	5.915	5.860	6.014	BB	287508	2689038	94.14%	5.073%
4	6.353	6.297	6.399	BB	245767	2456420	85.99%	4.634%
5	6.970	6.924	7.065	BB	249458	2597570	90.93%	4.900%
6	8.146	8.084	8.232	BB	228794	2450775	85.80%	4.623%
7	9.746	9.709	9.839	BB	216843	2523898	88.36%	4.761%
8	11.186	11.137	11.269	BB	220536	2573183	90.08%	4.854%
9	11.498	11.437	11.562	BB	258215	2856514	100.00%	5.389%
10	12.494	12.455	12.559	BB	207733	2485014	86.99%	4.688%
11	12.936	12.869	12.995	BB	173785	2133568	74.69%	4.025%
12	13.105	13.067	13.172	BB	202480	2426455	84.94%	4.577%
13	13.691	13.660	13.752	VB	195897	2465913	86.33%	4.652%
14	14.792	14.689	14.865	BB	201649	2609769	91.36%	4.923%
15	15.813	15.772	15.887	BB	189215	2600091	91.02%	4.905%
16	16.762	16.622	16.844	BB	184812	2654837	92.94%	5.008%
17	17.647	17.575	17.719	BB	189586	2708550	94.82%	5.109%
18	18.478	18.415	18.547	BV	176605	2596492	90.90%	4.898%
19	19.261	19.200	19.370	BB	146116	2217081	77.61%	4.182%
20	20.000	19.944	20.039	BV	119921	1805047	63.19%	3.405%
21	20.724	20.652	20.790	BB	93568	1666956	58.36%	3.145%
22	21.608	21.527	21.725	BB	65123	1643254	57.53%	3.100%
			Sum of corrected areas:			53010189		

Aliphatic EPH 100224.M Tue Oct 01 09:22:28 2024

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

Inital Calibration Report for SequenceID : FE100824AL

AreaCount

Parameter Range	FE050535.D	FE050536.D	FE050537.D	FE050538.D	FE050539.D	
Aliphatic C9-C12	40745791.000	21072572.000	8517410.000	4337343.000	2274924.000	
Aliphatic C12-C16	27735737.000	14244783.000	5792628.000	2930237.000	1531373.000	
Aliphatic C16-C21	40974621.000	21203318.000	8666410.000	4379658.000	2304599.000	
Aliphatic C21-C28	52777882.000	27581000.000	11356069.000	5708818.000	3125067.000	
Aliphatic C28-C40	72232829.000	38094965.000	16699677.000	8422068.000	4938401.000	
Aliphatic EPH	234466860.000	122196638.000	51032194.000	25778124.000	14174364.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	142899.9299998	4.087				
Aliphatic C12-C16	145118.273	3.694				
Aliphatic C16-C21	144401.2446664	4.356				
Aliphatic C21-C28	142154.8735	6.306				
Aliphatic C28-C40	138303.281333	12.24				
Aliphatic EPH	141698.847333	7.212				

Concentration

Parameter Range	FE050535.D	FE050536.D	FE050537.D	FE050538.D	FE050539.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	FE050535.D	FE050536.D	FE050537.D	FE050538.D	FE050539.D	
Aliphatic C9-C12	135819.303333	140483.813333	141956.833333	144578.100000	151661.600000	
Aliphatic C12-C16	138678.685000	142447.830000	144815.700000	146511.850000	153137.300000	
Aliphatic C16-C21	136582.070000	141355.453333	144440.166666	145988.600000	153639.933333	

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

Inital Calibration Report for SequenceID : FE100824AL

Aliphatic C21-C28	131944.705000	137905.000000	141950.862500	142720.450000	156253.350000	
Aliphatic C28-C40	120388.048333	126983.216666	139163.975000	140367.800000	164613.366666	
Aliphatic EPH	130259.366666	135774.042222	141756.094444	143211.800000	157492.933333	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050535.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:06
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

A B C D E F

Integration File: autoint1.e
Quant Time: Oct 07 15:50:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:49:51 2024
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)	11.874	14935989	97.121 ug/ml
Spiked Amount	50.000		Recovery =	194.24%
12) S	1-chlorooctadecane (S...	13.307	11405346	97.767 ug/ml
Spiked Amount	50.000		Recovery =	195.53%
	Target Compounds			
1) T	n-Nonane (C9)	3.256	13375492	97.682 ug/ml
2) T	n-Decane (C10)	4.508	13622130	97.695 ug/ml
3) T	A~Naphthalene (C11.7)	6.217	14355926	100.128 ug/ml
4) T	n-Dodecane (C12)	6.676	13748169	97.991 ug/ml
5) T	A~2-methylnaphthalene...	7.315	13570374	100.663 ug/ml
6) T	n-Tetradecane (C14)	8.504	13662645	97.909 ug/ml
7) T	n-Hexadecane (C16)	10.111	14073092	97.764 ug/ml
8) T	n-Octadecane (C18)	11.554	14160630	97.396 ug/ml
10) T	n-Eicosane (C20)	12.861	13543211	97.115 ug/ml
11) T	n-Heneicosane (C21)	13.472	13270780	97.090 ug/ml
13) T	n-Docosane (C22)	14.058	13205478	96.773 ug/ml
14) T	n-Tetracosane (C24)	15.160	13226380	96.742 ug/ml
15) T	n-Hexacosane (C26)	16.179	13147754	96.576 ug/ml
16) T	n-Octacosane (C28)	17.129	13198270	95.311 ug/ml
17) T	n-Tricontane (C30)	18.016	13716170	92.688 ug/ml
18) T	n-Dotriacontane (C32)	18.847	13640074	91.715 ug/ml
19) T	n-Tetratriacontane (C34)	19.629	12565721	92.262 ug/ml
20) T	n-Hexatriacontane (C36)	20.368	11275380	94.013 ug/ml
21) T	n-Octatriacontane (C38)	21.094	10872225	93.405 ug/ml
22) T	n-Tetracontane (C40)	21.983	10163259	92.882 ug/ml

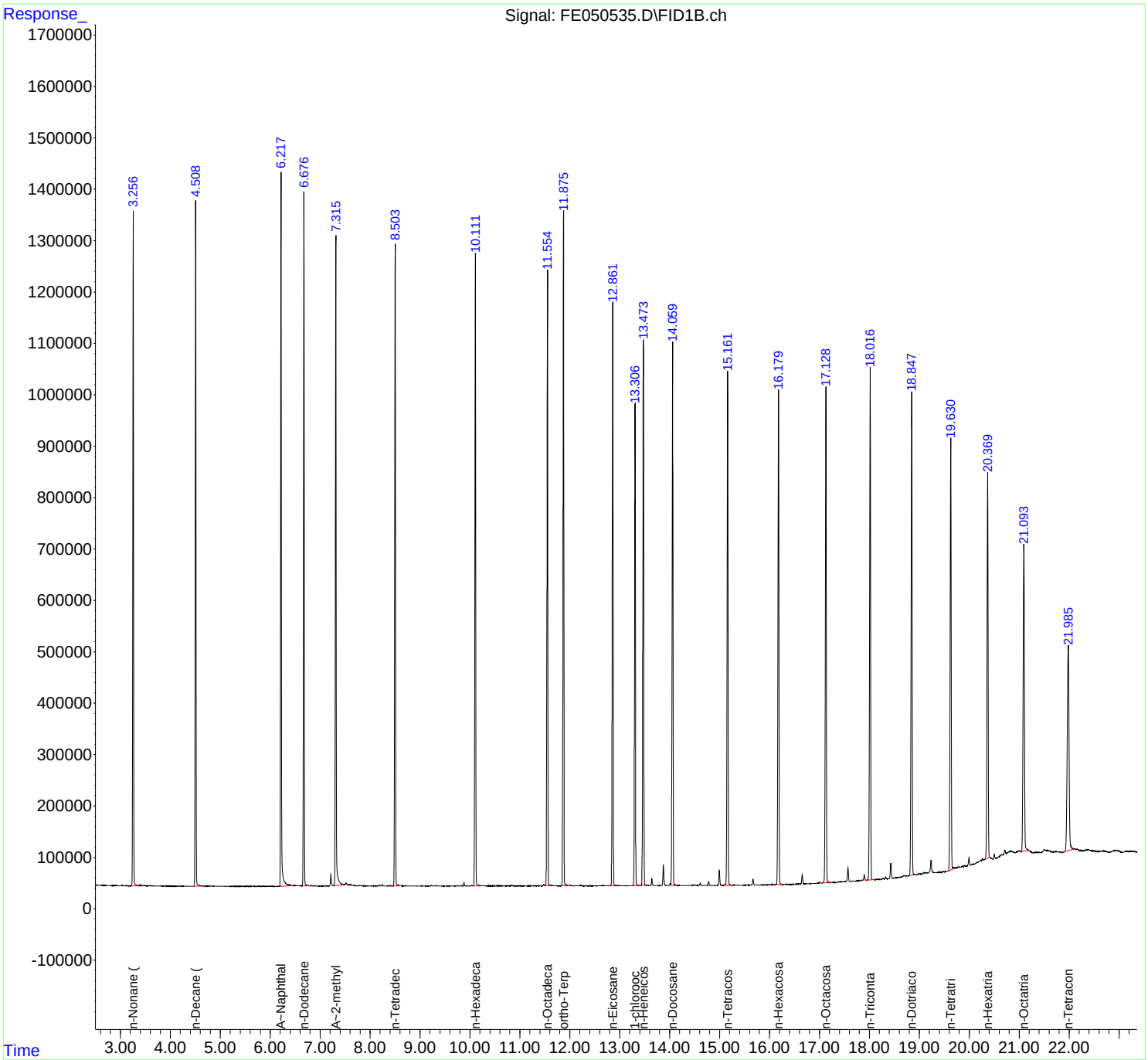
(f)=RT Delta > 1/2 Window (m)=manual int.

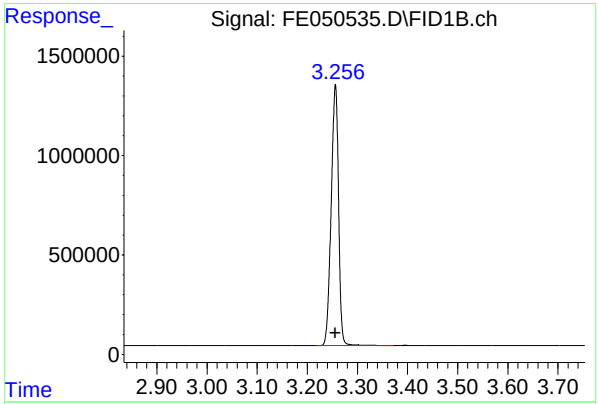
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050535.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:06
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 07 15:50:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:49:51 2024
Response via : Initial Calibration
Integrator: ChemStation

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

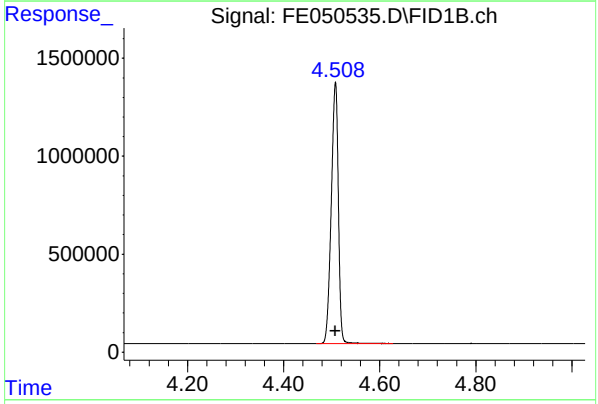




#1 n-Nonane (C9)

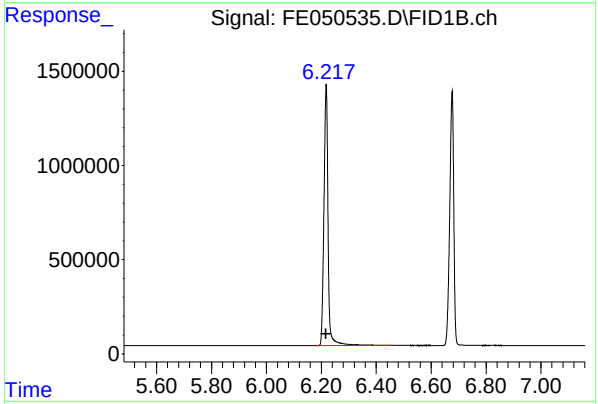
R.T.: 3.256 min
Delta R.T.: 0.000 min
Response: 13375492
Conc: 97.68 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



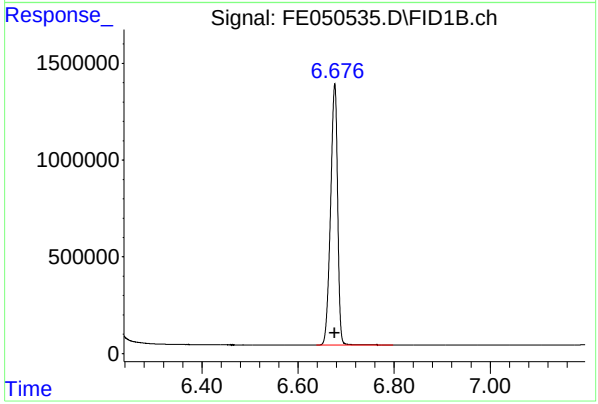
#2 n-Decane (C10)

R.T.: 4.508 min
Delta R.T.: 0.000 min
Response: 13622130
Conc: 97.70 ug/ml



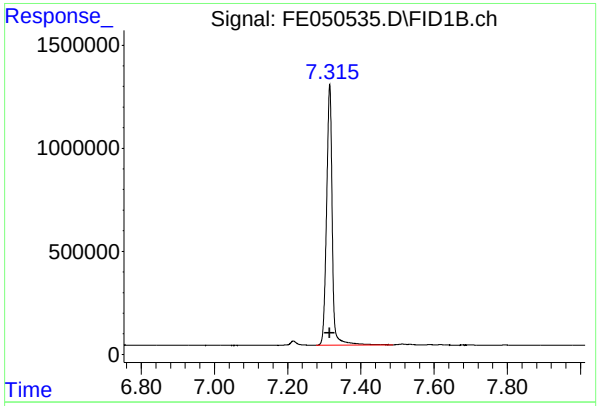
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: 0.000 min
Response: 14355926
Conc: 100.13 ug/ml



#4 n-Dodecane (C12)

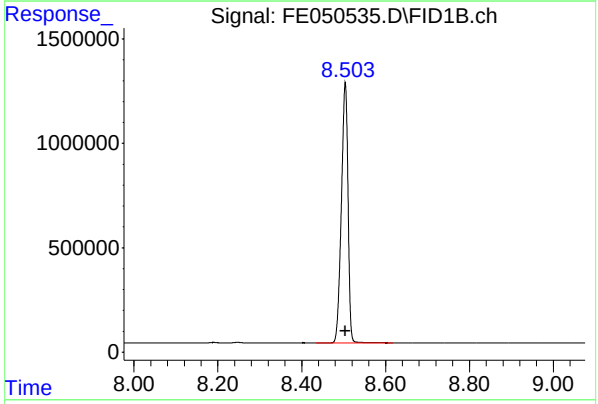
R.T.: 6.676 min
Delta R.T.: 0.000 min
Response: 13748169
Conc: 97.99 ug/ml



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

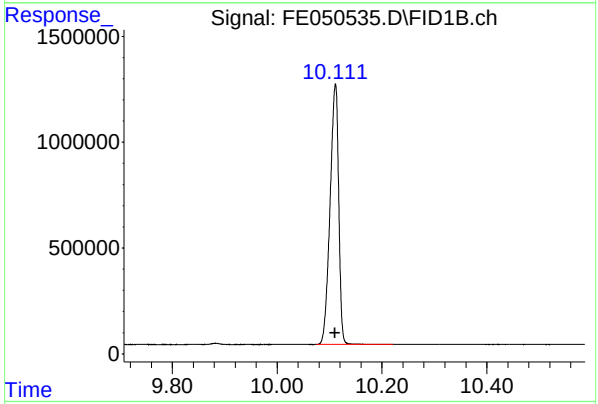
R.T.: 7.315 min
Delta R.T.: 0.000 min
Response: 13570374
Conc: 100.66 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



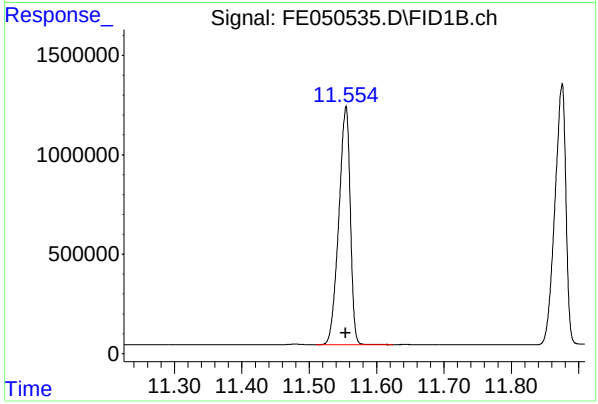
#6 n-Tetradecane (C14)

R.T.: 8.504 min
Delta R.T.: 0.000 min
Response: 13662645
Conc: 97.91 ug/ml



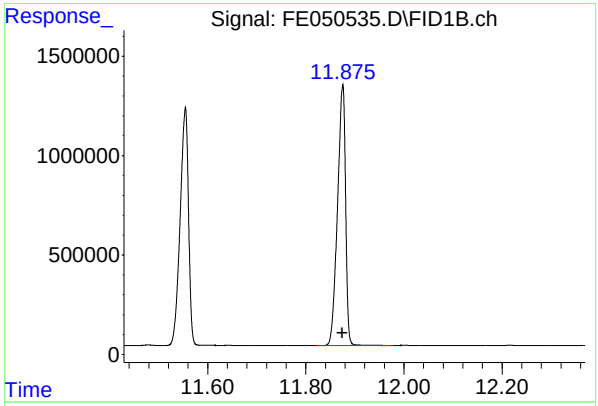
#7 n-Hexadecane (C16)

R.T.: 10.111 min
Delta R.T.: 0.000 min
Response: 14073092
Conc: 97.76 ug/ml



#8 n-Octadecane (C18)

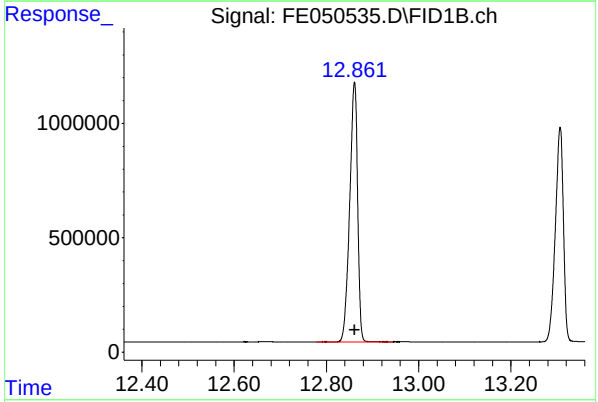
R.T.: 11.554 min
Delta R.T.: 0.000 min
Response: 14160630
Conc: 97.40 ug/ml



#9 ortho-Terphenyl (SURR)

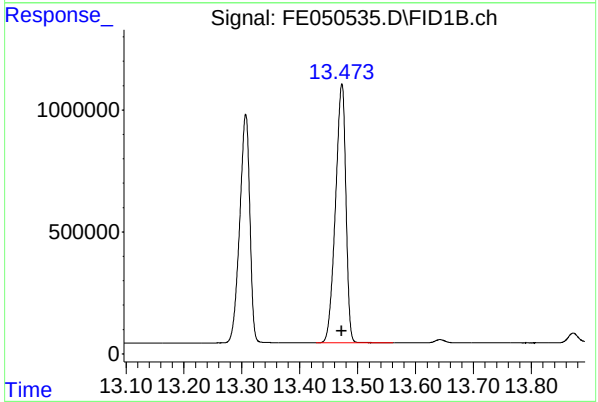
R.T.: 11.874 min
Delta R.T.: 0.000 min
Response: 14935989
Conc: 97.12 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



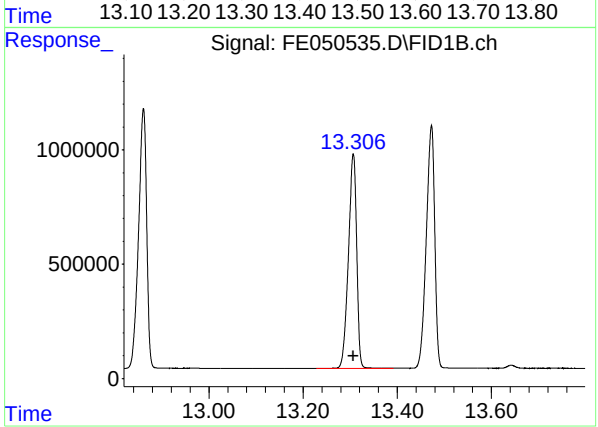
#10 n-Eicosane (C20)

R.T.: 12.861 min
Delta R.T.: 0.000 min
Response: 13543211
Conc: 97.12 ug/ml



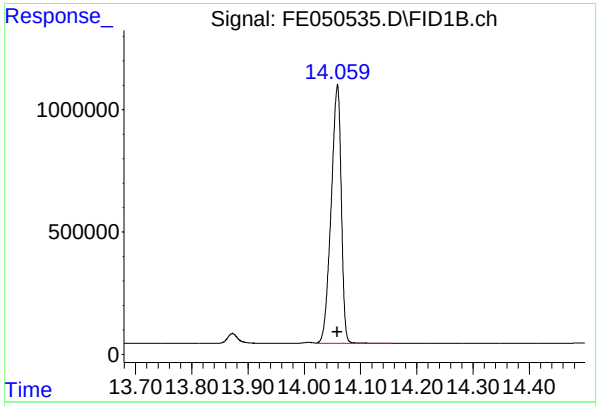
#11 n-Heneicosane (C21)

R.T.: 13.472 min
Delta R.T.: 0.000 min
Response: 13270780
Conc: 97.09 ug/ml



#12 1-chlorooctadecane (SURR)

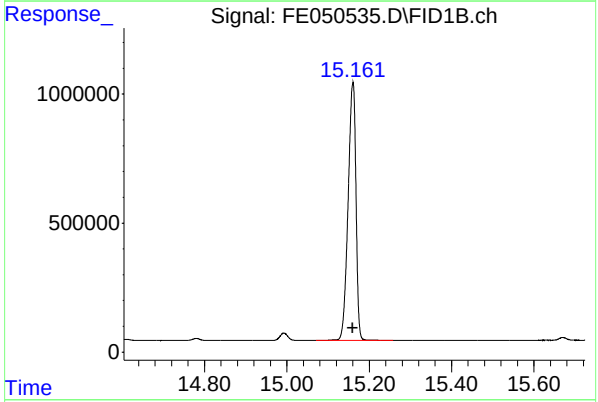
R.T.: 13.307 min
Delta R.T.: 0.000 min
Response: 11405346
Conc: 97.77 ug/ml



#13 n-Docosane (C22)

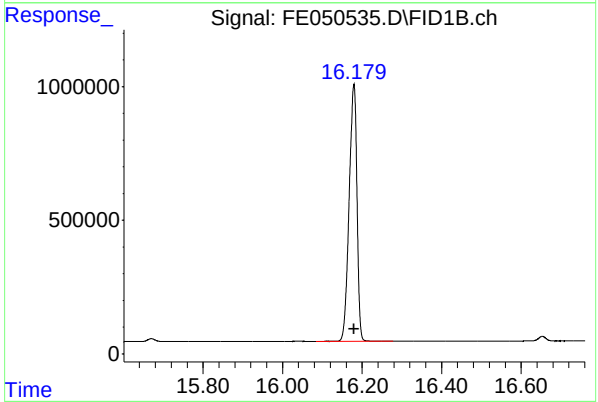
R.T.: 14.058 min
Delta R.T.: 0.000 min
Response: 13205478
Conc: 96.77 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



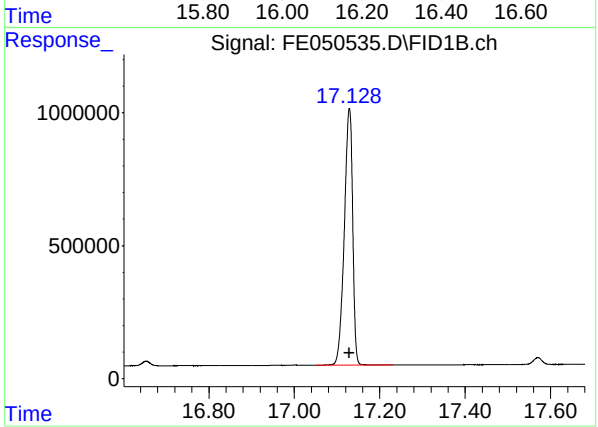
#14 n-Tetracosane (C24)

R.T.: 15.160 min
Delta R.T.: 0.000 min
Response: 13226380
Conc: 96.74 ug/ml



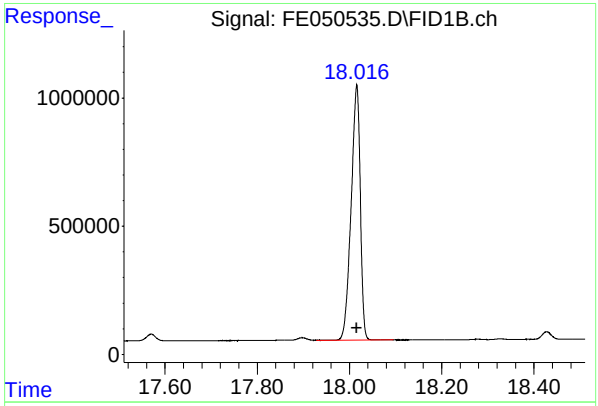
#15 n-Hexacosane (C26)

R.T.: 16.179 min
Delta R.T.: 0.000 min
Response: 13147754
Conc: 96.58 ug/ml



#16 n-Octacosane (C28)

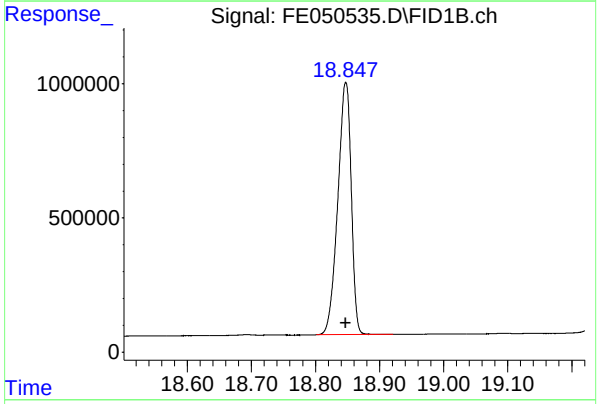
R.T.: 17.129 min
Delta R.T.: 0.000 min
Response: 13198270
Conc: 95.31 ug/ml



#17 n-Tricontane (C30)

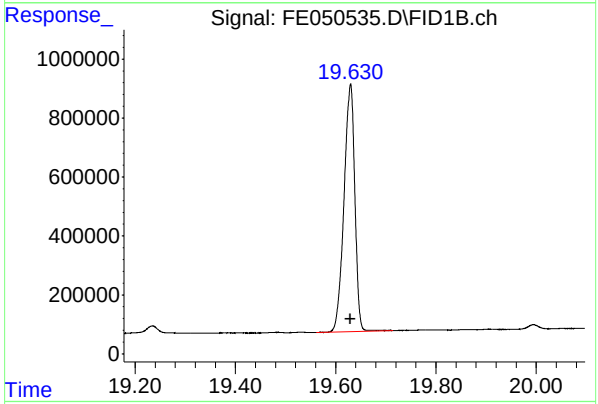
R.T.: 18.016 min
Delta R.T.: 0.000 min
Response: 13716170
Conc: 92.69 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



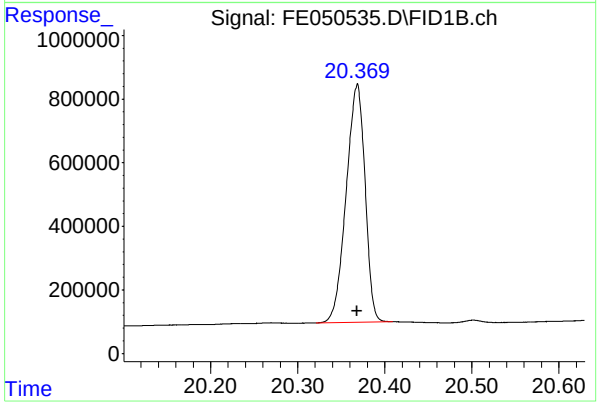
#18 n-Dotriacontane (C32)

R.T.: 18.847 min
Delta R.T.: 0.000 min
Response: 13640074
Conc: 91.72 ug/ml



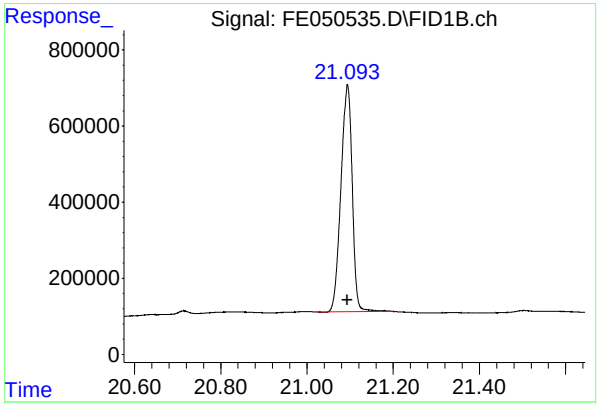
#19 n-Tetratriacontane (C34)

R.T.: 19.629 min
Delta R.T.: 0.000 min
Response: 12565721
Conc: 92.26 ug/ml



#20 n-Hexatriacontane (C36)

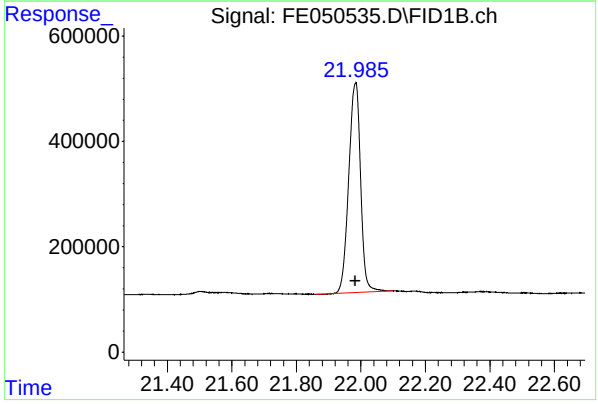
R.T.: 20.368 min
Delta R.T.: 0.000 min
Response: 11275380
Conc: 94.01 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.094 min
Delta R.T.: 0.000 min
Response: 10872225
Conc: 93.40 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.983 min
Delta R.T.: 0.000 min
Response: 10163259
Conc: 92.88 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050535.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:06
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.256	3.218	3.371	BB	1324173	13375492	89.55%	4.632%
2	4.508	4.468	4.628	BB	1334655	13622130	91.20%	4.718%
3	6.217	6.181	6.461	BB	1389687	14355926	96.12%	4.972%
4	6.676	6.638	6.798	BB	1369652	13748169	92.05%	4.762%
5	7.315	7.278	7.488	PV	1264853	13570374	90.86%	4.700%
6	8.504	8.434	8.618	BB	1252011	13662645	91.47%	4.732%
7	10.111	10.074	10.221	BB	1234885	14073092	94.22%	4.874%
8	11.554	11.510	11.624	PV	1196443	14160630	94.81%	4.904%
9	11.874	11.821	11.978	BV	1305138	14935989	100.00%	5.173%
10	12.861	12.778	12.944	BB	1141004	13543211	90.68%	4.691%
11	13.307	13.228	13.391	BV	945279	11405346	76.36%	3.950%
12	13.472	13.428	13.561	PB	1054961	13270780	88.85%	4.596%
13	14.058	14.021	14.158	VB	1044935	13205478	88.41%	4.574%
14	15.160	15.071	15.258	BB	1007834	13226380	88.55%	4.581%
15	16.179	16.084	16.278	BB	960164	13147754	88.03%	4.554%
16	17.129	17.051	17.231	BB	966376	13198270	88.37%	4.571%
17	18.016	17.928	18.094	PB	987186	13716170	91.83%	4.750%
18	18.847	18.801	18.921	BB	942433	13640074	91.32%	4.724%
19	19.629	19.561	19.714	BB	849738	12565721	84.13%	4.352%
20	20.368	20.321	20.409	BBA	745438	11275380	75.49%	3.905%
21	21.094	21.021	21.199	BBA	598100	10872225	72.79%	3.765%
22	21.983	21.861	22.099	BBA	399118	10163259	68.05%	3.520%
			Sum of corrected areas:			288734494		

Aliphatic EPH 100824.M Mon Oct 07 16:35:00 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050536.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:36
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 07 15:51:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:51:32 2024
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)	11.869	7668467	49.909 ug/ml
Spiked Amount	50.000		Recovery =	99.82%
12) S	1-chlorooctadecane (S...	13.302	5839164	50.036 ug/ml
Spiked Amount	50.000		Recovery =	100.07%
	Target Compounds			
1) T	n-Nonane (C9)	3.254	6949960	50.501 ug/ml
2) T	n-Decane (C10)	4.505	7054723	50.395 ug/ml
3) T	A~Naphthalene (C11.7)	6.215	7328645	50.738 ug/ml
4) T	n-Dodecane (C12)	6.673	7067889	50.251 ug/ml
5) T	A~2-methylnaphthalene...	7.311	6885410	50.712 ug/ml
6) T	n-Tetradecane (C14)	8.500	6999728	50.107 ug/ml
7) T	n-Hexadecane (C16)	10.106	7245055	50.220 ug/ml
8) T	n-Octadecane (C18)	11.549	7346700	50.352 ug/ml
10) T	n-Eicosane (C20)	12.857	7008593	50.171 ug/ml
11) T	n-Heneicosane (C21)	13.467	6848025	50.067 ug/ml
13) T	n-Docosane (C22)	14.053	6831662	50.043 ug/ml
14) T	n-Tetracosane (C24)	15.155	6893925	50.282 ug/ml
15) T	n-Hexacosane (C26)	16.174	6879086	50.352 ug/ml
16) T	n-Octacosane (C28)	17.123	6976327	50.252 ug/ml
17) T	n-Tricontane (C30)	18.011	7324087	49.661 ug/ml
18) T	n-Dotriacontane (C32)	18.842	7246744	49.144 ug/ml
19) T	n-Tetratriacontane (C34)	19.624	6582481	48.875 ug/ml
20) T	n-Hexatriacontane (C36)	20.364	5833635	49.085 ug/ml
21) T	n-Octatriacontane (C38)	21.090	5653192	49.036 ug/ml
22) T	n-Tetracontane (C40)	21.980	5454826	49.901 ug/ml

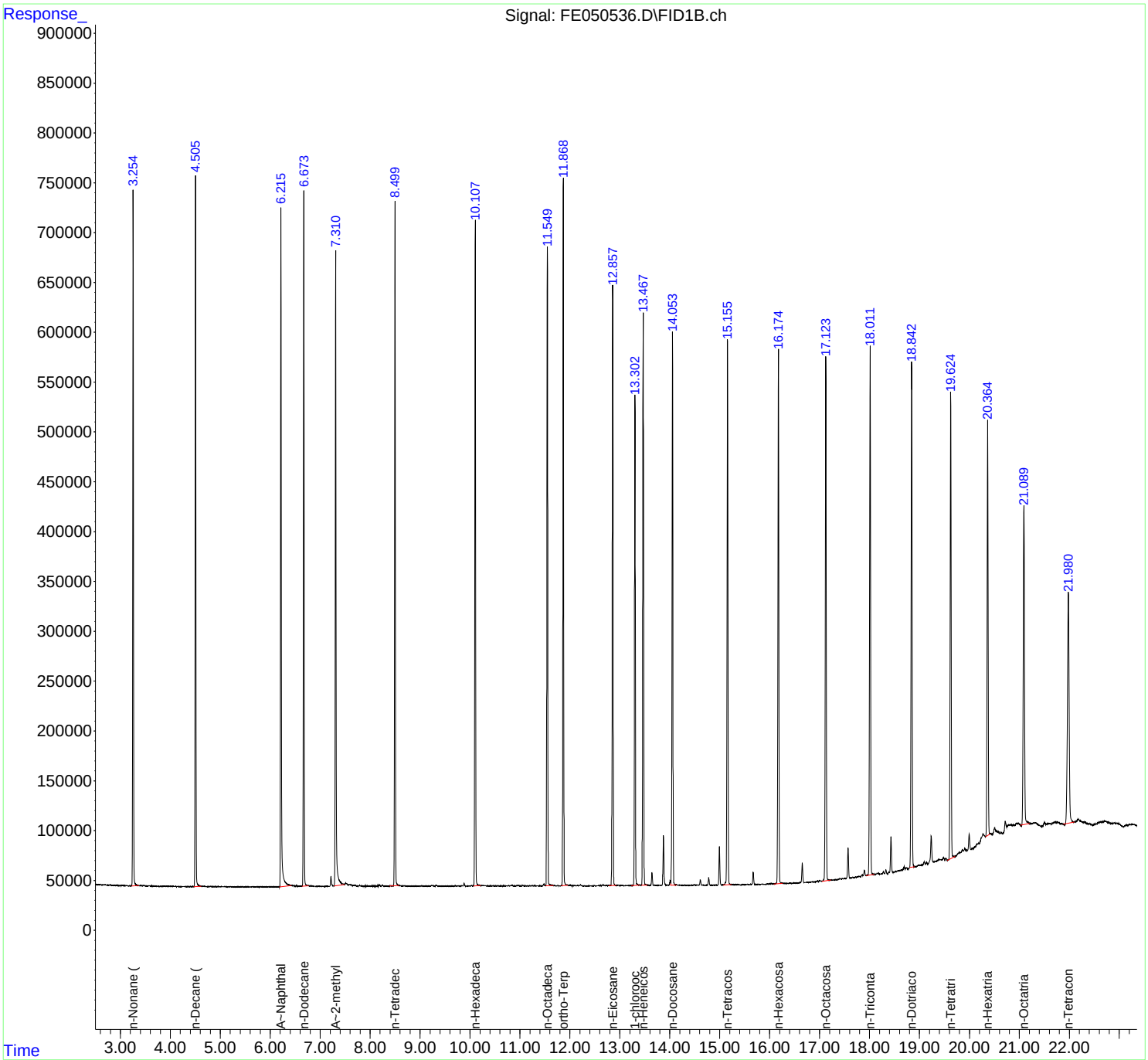
(f)=RT Delta > 1/2 Window (m)=manual int.

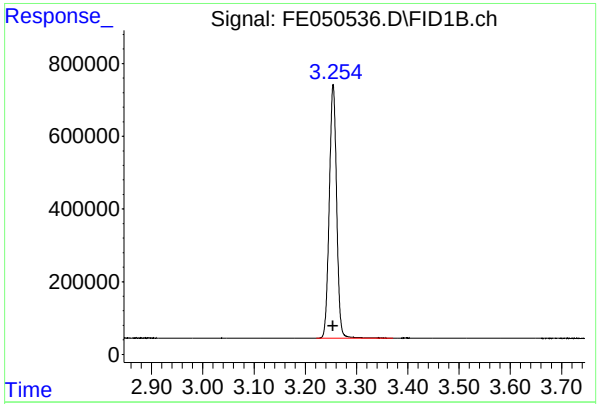
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050536.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:36
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 07 15:51:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:51:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

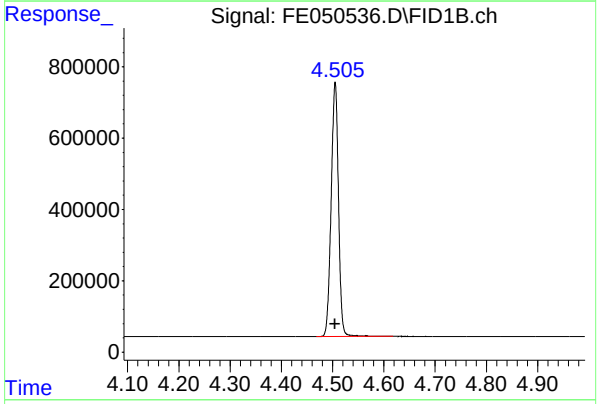




#1 n-Nonane (C9)

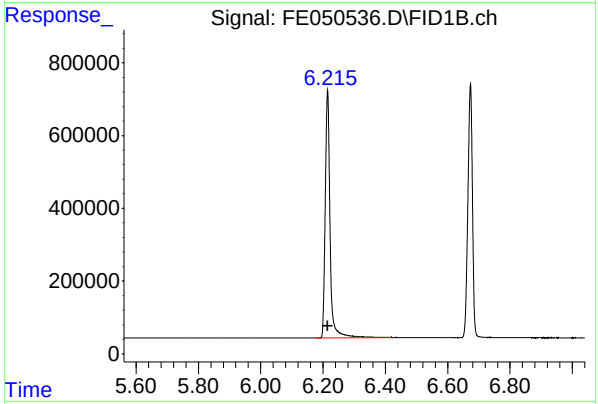
R.T.: 3.254 min
Delta R.T.: 0.000 min
Response: 6949960
Conc: 50.50 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



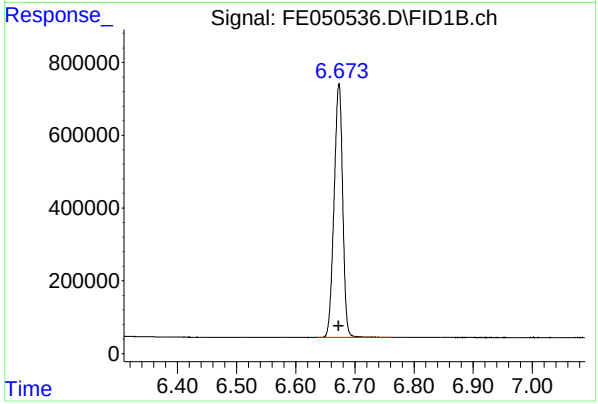
#2 n-Decane (C10)

R.T.: 4.505 min
Delta R.T.: 0.000 min
Response: 7054723
Conc: 50.40 ug/ml



#3 A~Naphthalene (C11.7)

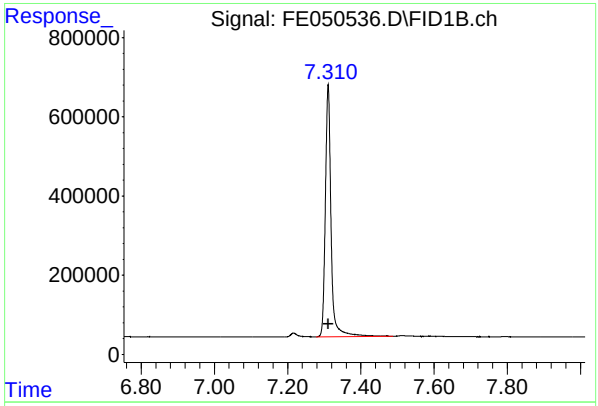
R.T.: 6.215 min
Delta R.T.: 0.000 min
Response: 7328645
Conc: 50.74 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.673 min
Delta R.T.: 0.000 min
Response: 7067889
Conc: 50.25 ug/ml

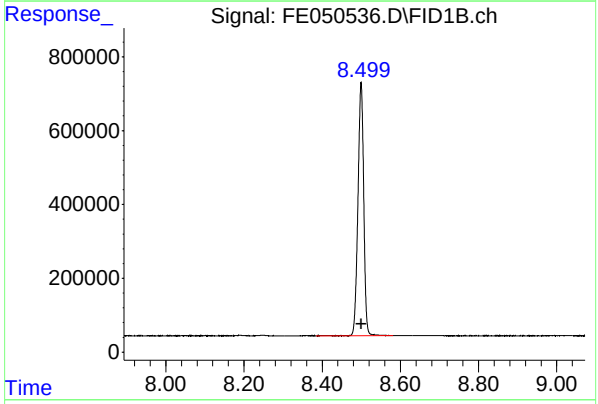
A
B
C
D
E
F



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

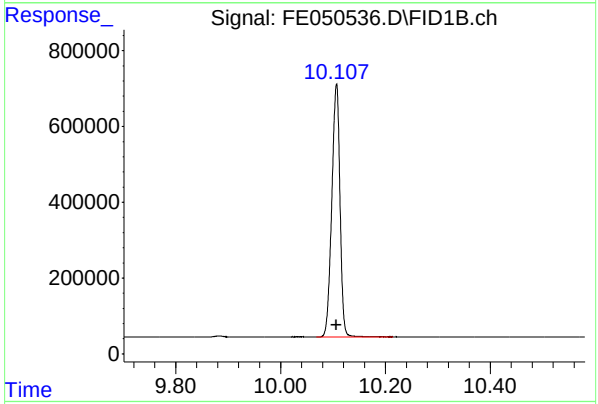
R.T.: 7.311 min
Delta R.T.: 0.000 min
Response: 6885410
Conc: 50.71 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



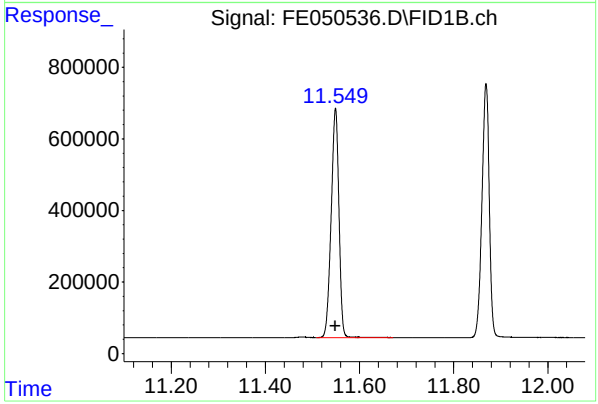
#6 n-Tetradecane (C14)

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 6999728
Conc: 50.11 ug/ml



#7 n-Hexadecane (C16)

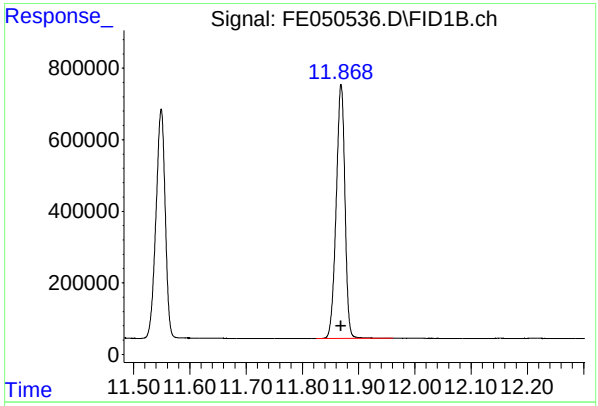
R.T.: 10.106 min
Delta R.T.: 0.000 min
Response: 7245055
Conc: 50.22 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.549 min
Delta R.T.: 0.000 min
Response: 7346700
Conc: 50.35 ug/ml

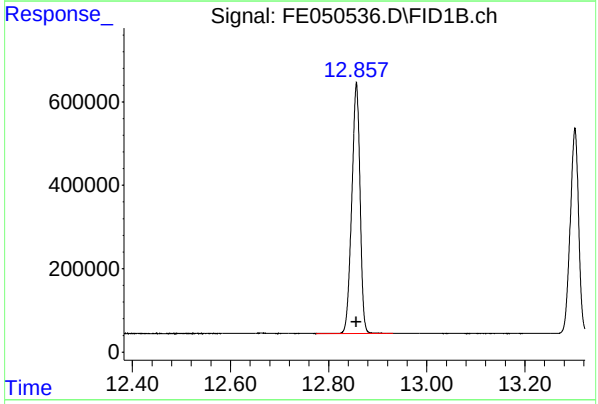
A
B
C
D
E
F



#9 ortho-Terphenyl (SURR)

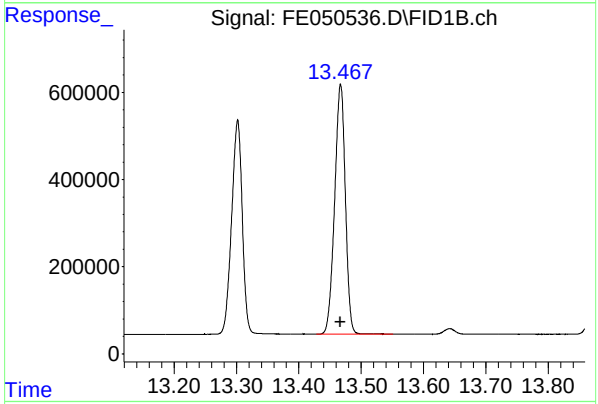
R.T.: 11.869 min
Delta R.T.: 0.000 min
Response: 7668467
Conc: 49.91 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



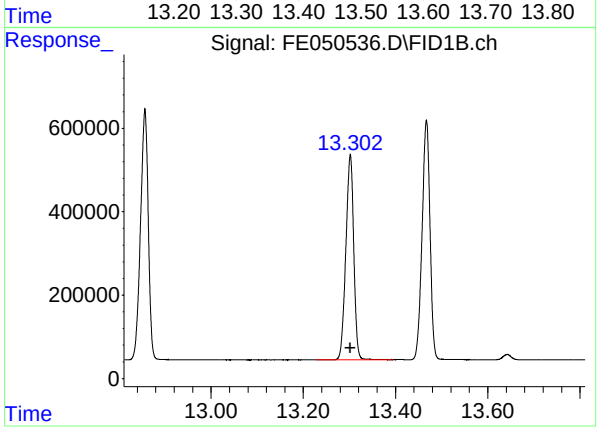
#10 n-Eicosane (C20)

R.T.: 12.857 min
Delta R.T.: 0.000 min
Response: 7008593
Conc: 50.17 ug/ml



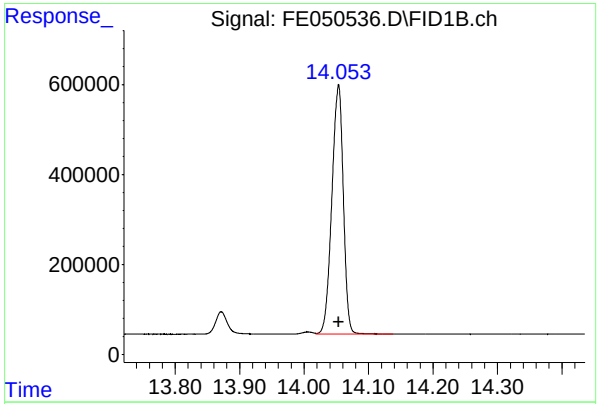
#11 n-Heneicosane (C21)

R.T.: 13.467 min
Delta R.T.: 0.000 min
Response: 6848025
Conc: 50.07 ug/ml



#12 1-chlorooctadecane (SURR)

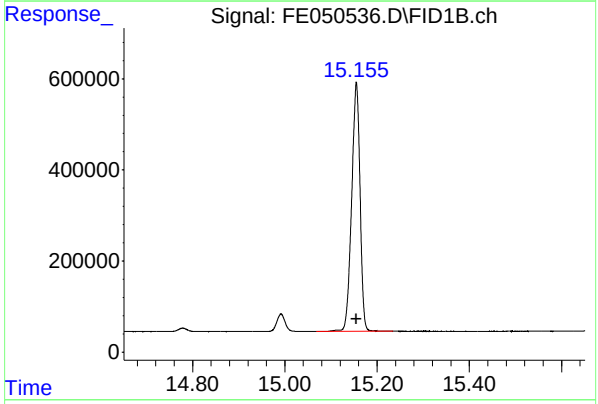
R.T.: 13.302 min
Delta R.T.: 0.000 min
Response: 5839164
Conc: 50.04 ug/ml



#13 n-Docosane (C22)

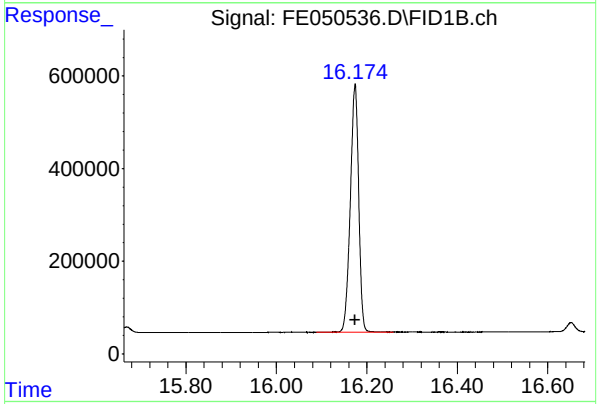
R.T.: 14.053 min
Delta R.T.: 0.000 min
Response: 6831662
Conc: 50.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



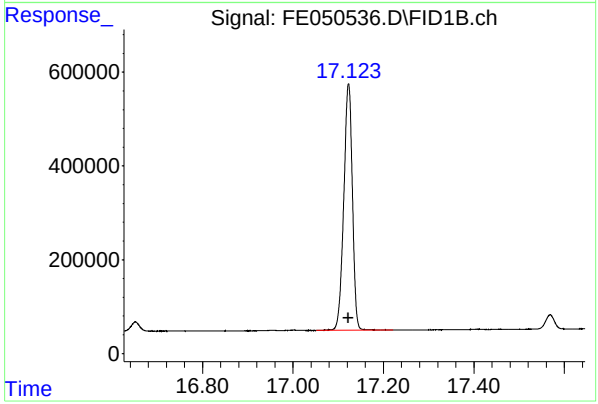
#14 n-Tetracosane (C24)

R.T.: 15.155 min
Delta R.T.: 0.000 min
Response: 6893925
Conc: 50.28 ug/ml



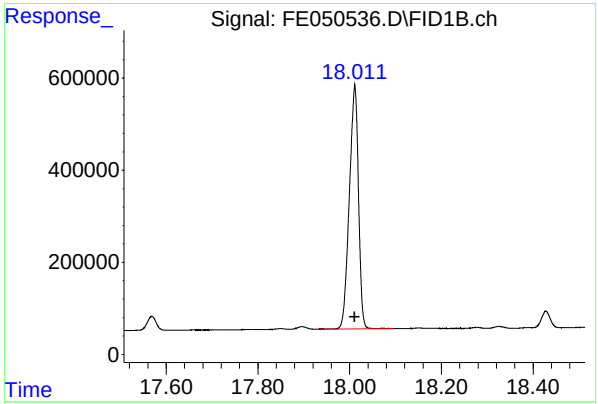
#15 n-Hexacosane (C26)

R.T.: 16.174 min
Delta R.T.: 0.000 min
Response: 6879086
Conc: 50.35 ug/ml



#16 n-Octacosane (C28)

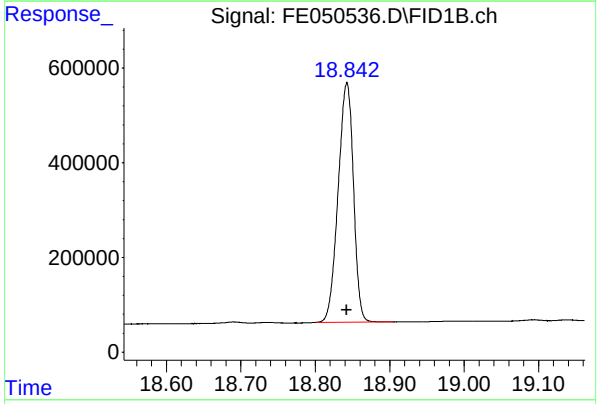
R.T.: 17.123 min
Delta R.T.: 0.000 min
Response: 6976327
Conc: 50.25 ug/ml



#17 n-Tricontane (C30)

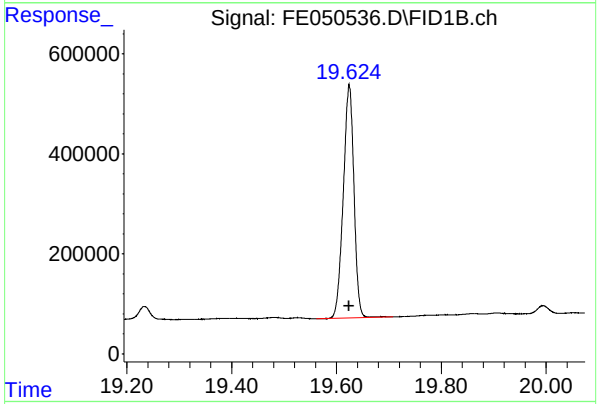
R.T.: 18.011 min
Delta R.T.: 0.000 min
Response: 7324087
Conc: 49.66 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



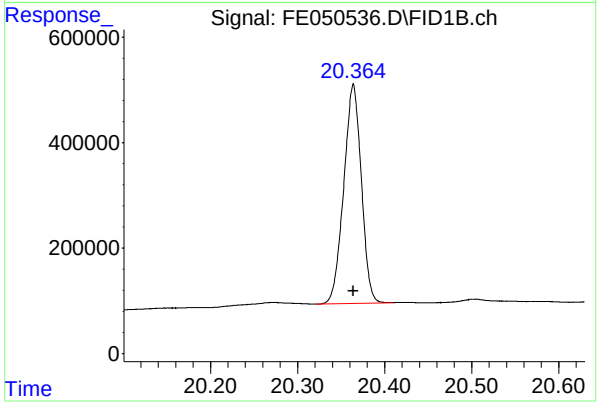
#18 n-Dotriacontane (C32)

R.T.: 18.842 min
Delta R.T.: 0.000 min
Response: 7246744
Conc: 49.14 ug/ml



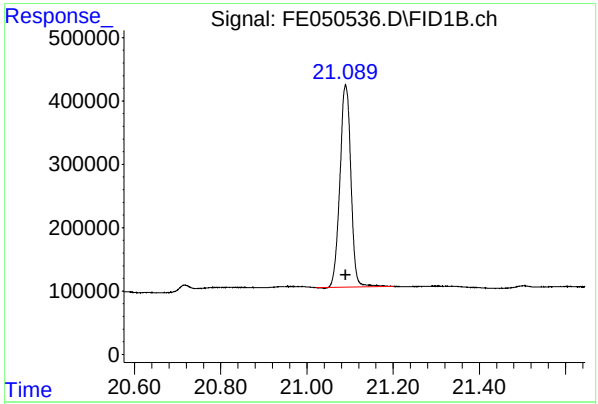
#19 n-Tetratriacontane (C34)

R.T.: 19.624 min
Delta R.T.: 0.000 min
Response: 6582481
Conc: 48.87 ug/ml



#20 n-Hexatriacontane (C36)

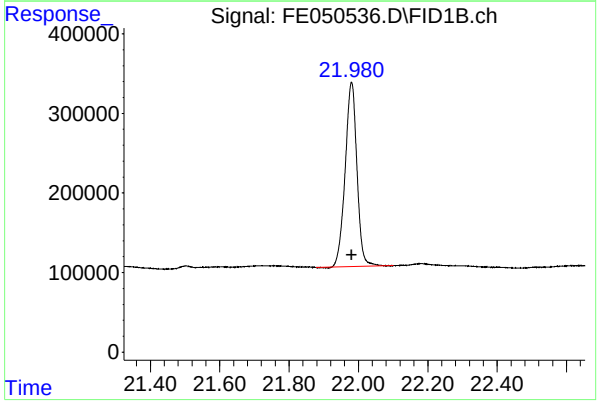
R.T.: 20.364 min
Delta R.T.: 0.000 min
Response: 5833635
Conc: 49.09 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.090 min
Delta R.T.: 0.000 min
Response: 5653192
Conc: 49.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.980 min
Delta R.T.: 0.000 min
Response: 5454826
Conc: 49.90 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050536.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:36
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.254	3.221	3.371	BB	696678	6949960	90.63%	4.636%
2	4.505	4.468	4.618	BB	709894	7054723	92.00%	4.706%
3	6.215	6.178	6.424	BB	680238	7328645	95.57%	4.888%
4	6.673	6.634	6.764	BB	704403	7067889	92.17%	4.714%
5	7.311	7.278	7.488	PV	637269	6885410	89.79%	4.593%
6	8.500	8.384	8.581	BB	683389	6999728	91.28%	4.669%
7	10.106	10.068	10.214	BB	676338	7245055	94.48%	4.833%
8	11.549	11.508	11.671	VB	636950	7346700	95.80%	4.900%
9	11.869	11.824	11.961	BB	709474	7668467	100.00%	5.115%
10	12.857	12.774	12.931	BB	601442	7008593	91.39%	4.675%
11	13.302	13.228	13.394	BB	488293	5839164	76.15%	3.895%
12	13.467	13.428	13.551	BB	574970	6848025	89.30%	4.568%
13	14.053	14.018	14.138	VB	559199	6831662	89.09%	4.557%
14	15.155	15.068	15.234	BB	545336	6893925	89.90%	4.598%
15	16.174	16.088	16.258	BB	536276	6879086	89.71%	4.589%
16	17.123	17.051	17.221	BB	528256	6976327	90.97%	4.653%
17	18.011	17.927	18.094	PB	529796	7324087	95.51%	4.885%
18	18.842	18.801	18.904	BB	503954	7246744	94.50%	4.834%
19	19.624	19.561	19.708	BB	466127	6582481	85.84%	4.391%
20	20.364	20.321	20.409	BBA	415446	5833635	76.07%	3.891%
21	21.090	21.021	21.199	BBA	318153	5653192	73.72%	3.771%
22	21.980	21.878	22.099	BBA	231697	5454826	71.13%	3.639%
			Sum of corrected areas:			149918324		

Aliphatic EPH 100824.M Mon Oct 07 16:35:43 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050537.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:06
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 07 15:48:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:48:28 2024
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)	11.865	3164300	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12)	S 1-chlorooctadecane (S...	13.300	2385261	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1)	T n-Nonane (C9)	3.252	2802051	20.000 ug/ml
2)	T n-Decane (C10)	4.503	2852963	20.000 ug/ml
3)	T A~Naphthalene (C11.7)	6.214	2863853	20.000 ug/ml
4)	T n-Dodecane (C12)	6.671	2862396	20.000 ug/ml
5)	T A~2-methylnaphthalene...	7.310	2678310	20.000 ug/ml
6)	T n-Tetradecane (C14)	8.498	2849272	20.000 ug/ml
7)	T n-Hexadecane (C16)	10.103	2943356	20.000 ug/ml
8)	T n-Octadecane (C18)	11.546	2983567	20.000 ug/ml
10)	T n-Eicosane (C20)	12.853	2869562	20.000 ug/ml
11)	T n-Heneicosane (C21)	13.465	2813281	20.000 ug/ml
13)	T n-Docosane (C22)	14.050	2817220	20.000 ug/ml
14)	T n-Tetracosane (C24)	15.151	2823423	20.000 ug/ml
15)	T n-Hexacosane (C26)	16.171	2816031	20.000 ug/ml
16)	T n-Octacosane (C28)	17.120	2899395	20.000 ug/ml
17)	T n-Tricontane (C30)	18.007	3176058	20.000 ug/ml
18)	T n-Dotriacontane (C32)	18.840	3220879	20.000 ug/ml
19)	T n-Tetratriacontane (C34)	19.621	2934710	20.000 ug/ml
20)	T n-Hexatriacontane (C36)	20.361	2542299	20.000 ug/ml
21)	T n-Octatriacontane (C38)	21.086	2481528	20.000 ug/ml
22)	T n-Tetracontane (C40)	21.974	2344203	20.000 ug/ml

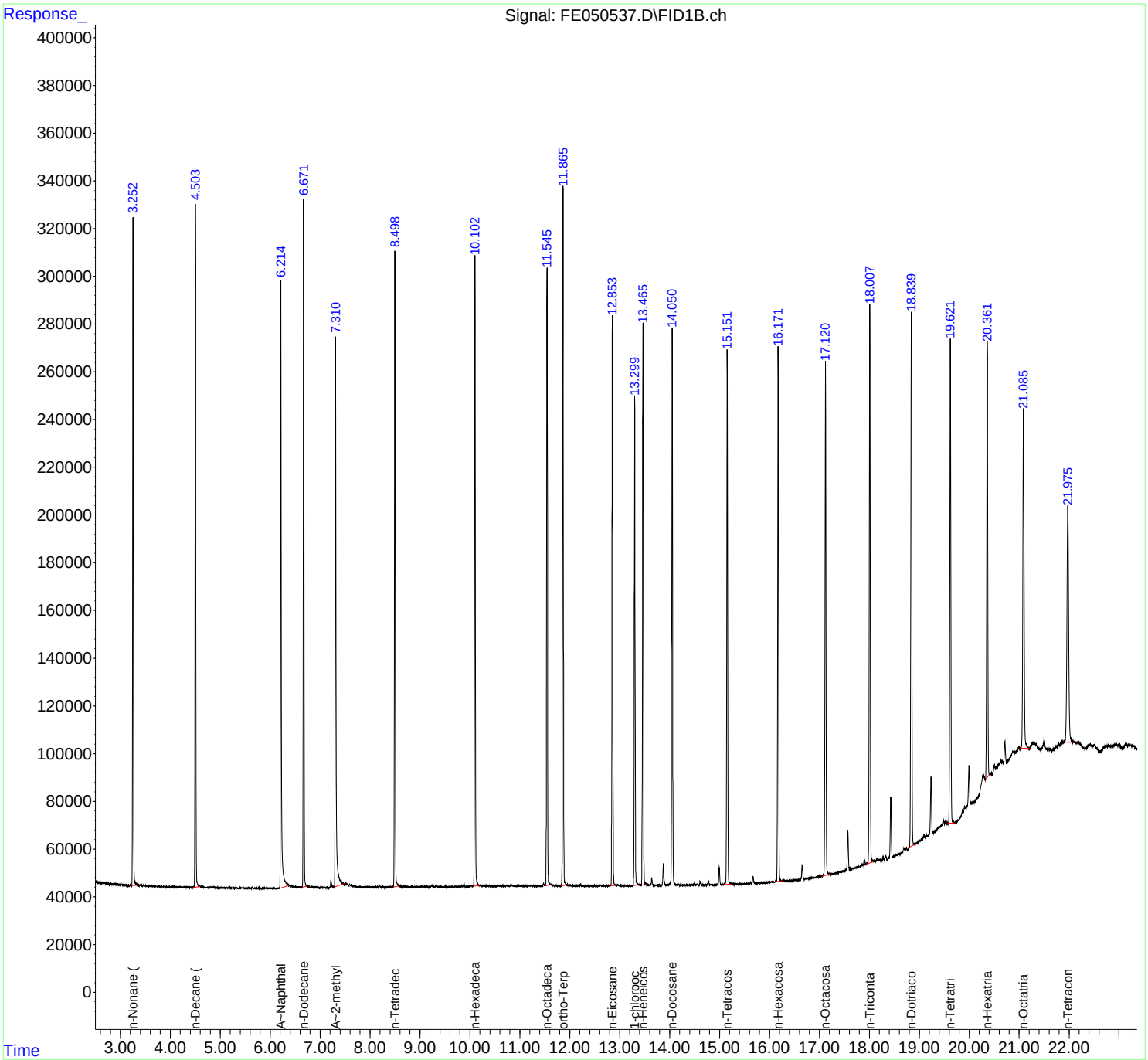
(f)=RT Delta > 1/2 Window (m)=manual int.

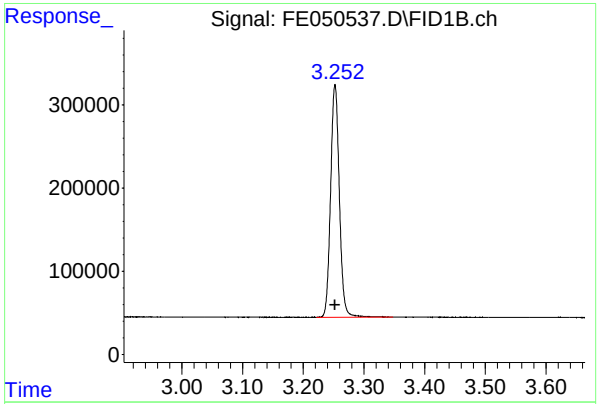
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050537.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:06
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 07 15:48:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:48:28 2024
Response via : Initial Calibration
Integrator: ChemStation

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

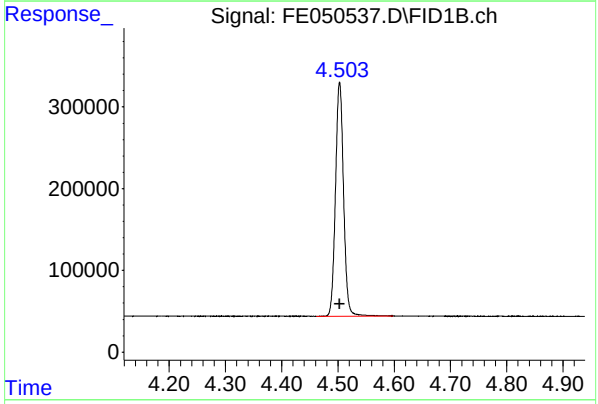




#1 n-Nonane (C9)

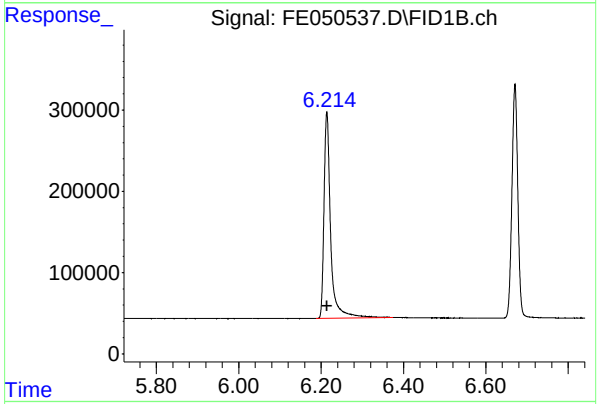
R.T.: 3.252 min
Delta R.T.: 0.000 min
Response: 2802051
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



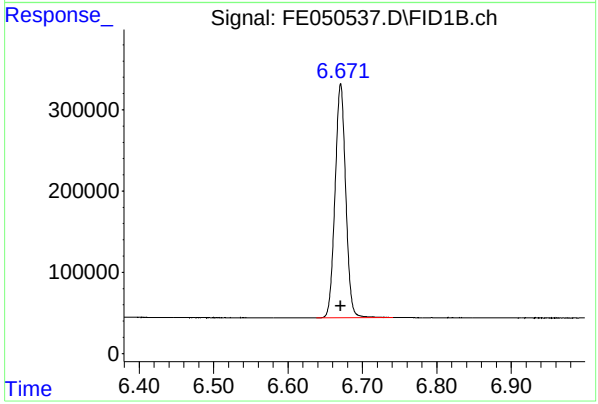
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 2852963
Conc: 20.00 ug/ml



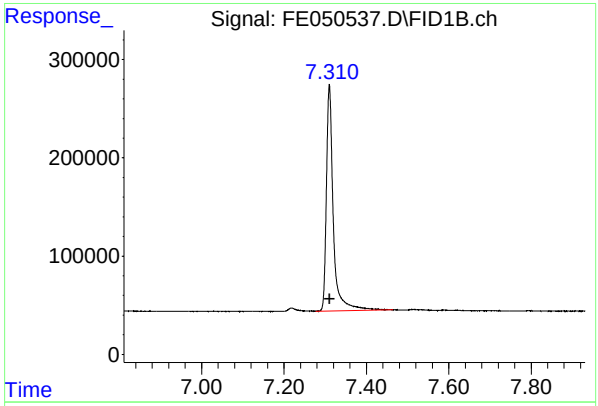
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: 0.000 min
Response: 2863853
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

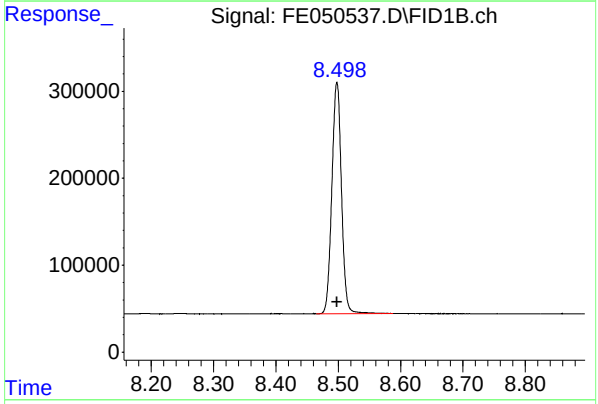
R.T.: 6.671 min
Delta R.T.: 0.000 min
Response: 2862396
Conc: 20.00 ug/ml



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

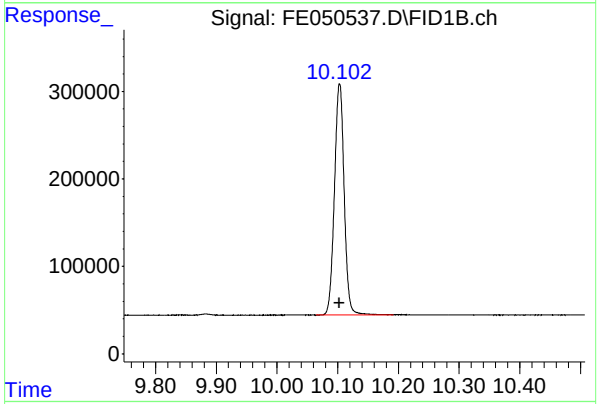
R.T.: 7.310 min
Delta R.T.: 0.000 min
Response: 2678310
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



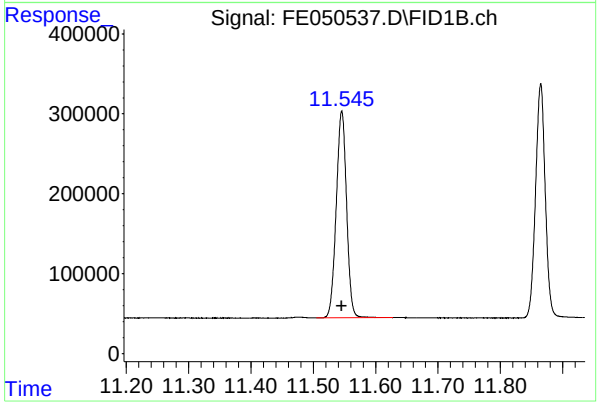
#6 n-Tetradecane (C14)

R.T.: 8.498 min
Delta R.T.: 0.000 min
Response: 2849272
Conc: 20.00 ug/ml



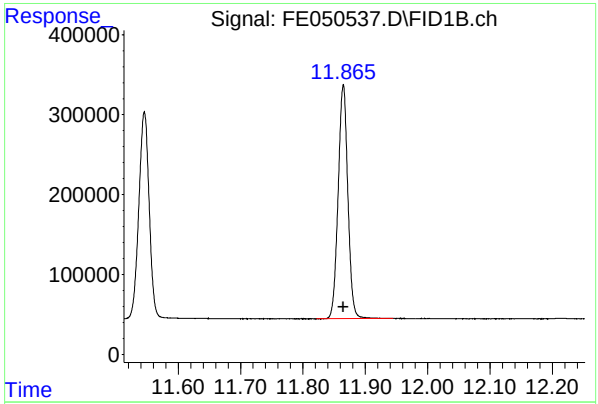
#7 n-Hexadecane (C16)

R.T.: 10.103 min
Delta R.T.: 0.000 min
Response: 2943356
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

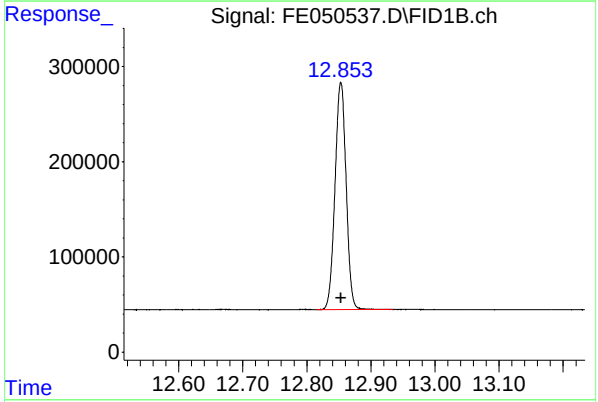
R.T.: 11.546 min
Delta R.T.: 0.000 min
Response: 2983567
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

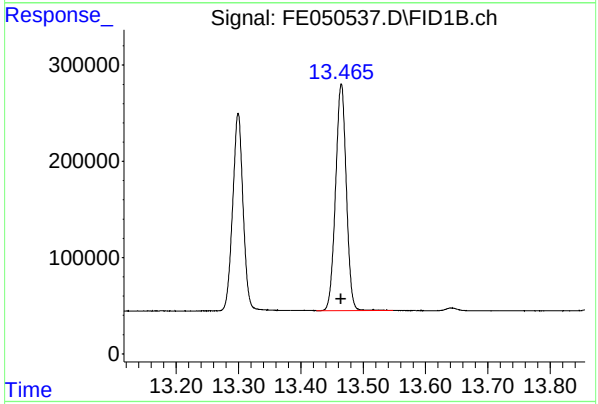
R.T.: 11.865 min
Delta R.T.: 0.000 min
Response: 3164300
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



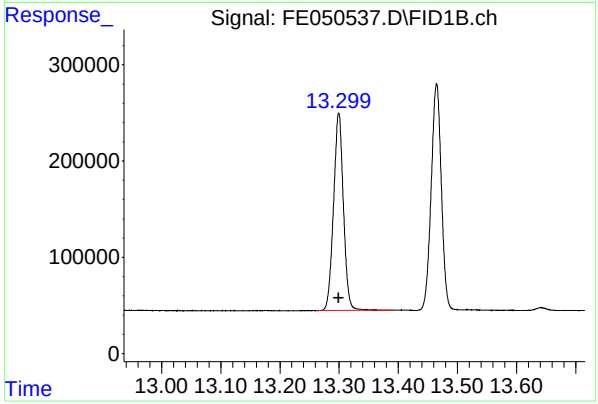
#10 n-Eicosane (C20)

R.T.: 12.853 min
Delta R.T.: 0.000 min
Response: 2869562
Conc: 20.00 ug/ml



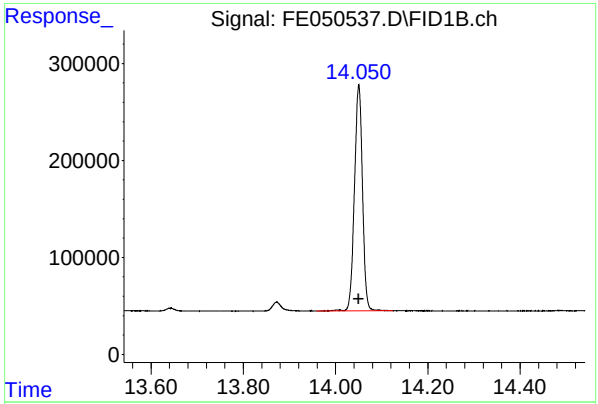
#11 n-Heneicosane (C21)

R.T.: 13.465 min
Delta R.T.: 0.000 min
Response: 2813281
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

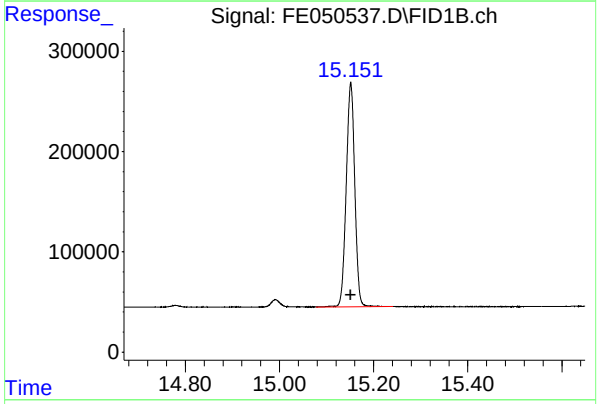
R.T.: 13.300 min
Delta R.T.: 0.000 min
Response: 2385261
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

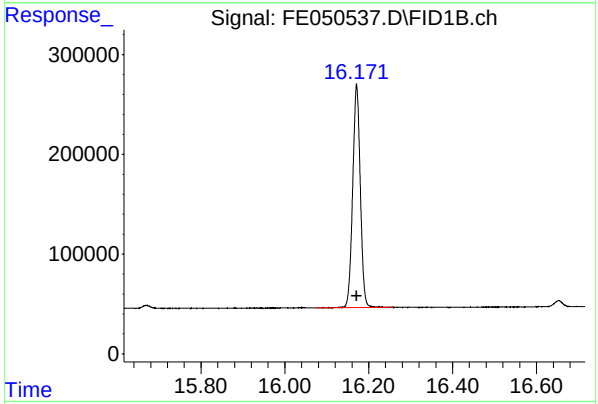
R.T.: 14.050 min
Delta R.T.: 0.000 min
Response: 2817220
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



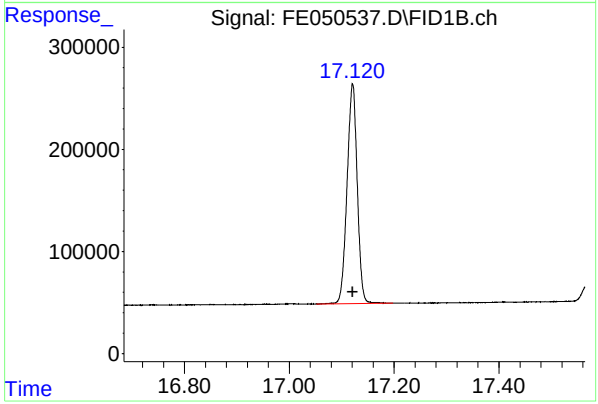
#14 n-Tetracosane (C24)

R.T.: 15.151 min
Delta R.T.: 0.000 min
Response: 2823423
Conc: 20.00 ug/ml



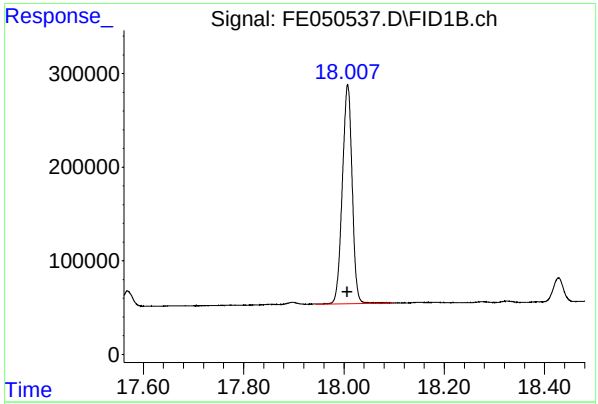
#15 n-Hexacosane (C26)

R.T.: 16.171 min
Delta R.T.: 0.000 min
Response: 2816031
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

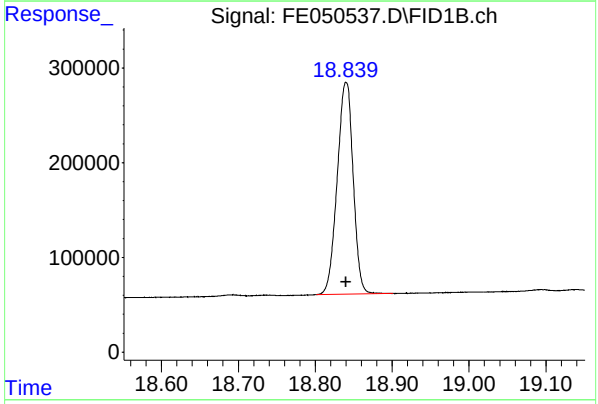
R.T.: 17.120 min
Delta R.T.: 0.000 min
Response: 2899395
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

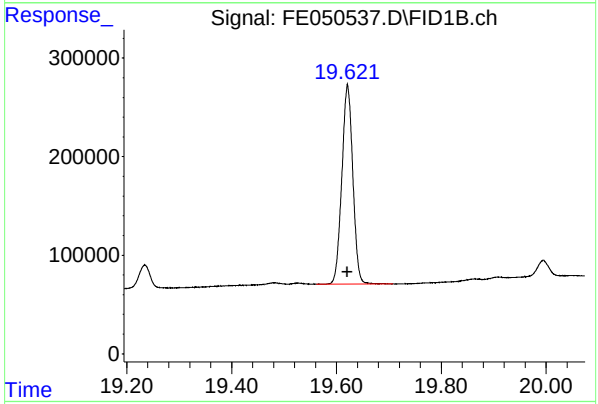
R.T.: 18.007 min
Delta R.T.: 0.000 min
Response: 3176058
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



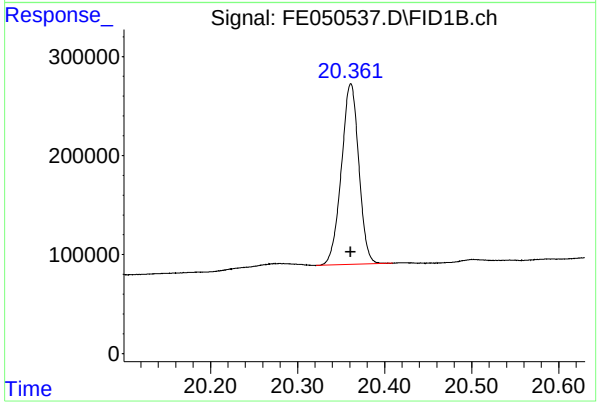
#18 n-Dotriacontane (C32)

R.T.: 18.840 min
Delta R.T.: 0.000 min
Response: 3220879
Conc: 20.00 ug/ml



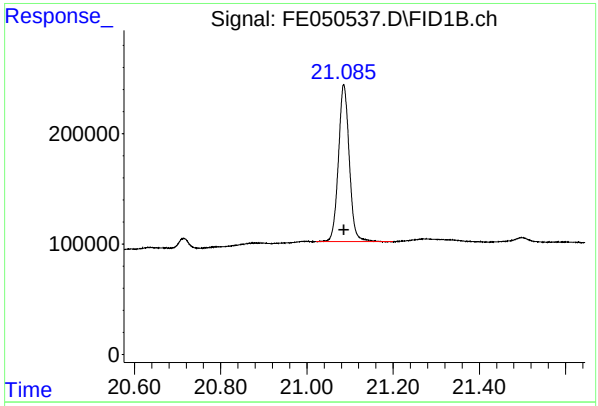
#19 n-Tetratriacontane (C34)

R.T.: 19.621 min
Delta R.T.: 0.000 min
Response: 2934710
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

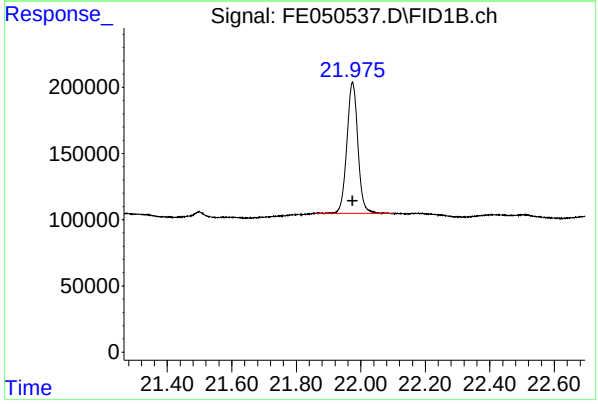
R.T.: 20.361 min
Delta R.T.: 0.000 min
Response: 2542299
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.086 min
Delta R.T.: 0.000 min
Response: 2481528
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.974 min
Delta R.T.: 0.000 min
Response: 2344203
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050537.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:06
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.252	3.221	3.348	BB	278890	2802051	87.00%	4.510%
2	4.503	4.461	4.598	BB	285202	2852963	88.58%	4.592%
3	6.214	6.188	6.374	BB	253669	2863853	88.92%	4.610%
4	6.671	6.638	6.741	BB	287721	2862396	88.87%	4.608%
5	7.310	7.278	7.464	BB	228423	2678310	83.15%	4.311%
6	8.498	8.464	8.588	BB	266356	2849272	88.46%	4.586%
7	10.103	10.064	10.191	BB	266110	2943356	91.38%	4.738%
8	11.546	11.504	11.628	BB	258038	2983567	92.63%	4.803%
9	11.865	11.821	11.944	BB	292339	3164300	98.24%	5.094%
10	12.853	12.814	12.934	BB	239829	2869562	89.09%	4.619%
11	13.300	13.261	13.391	BB	206276	2385261	74.06%	3.840%
12	13.465	13.424	13.548	BB	235274	2813281	87.35%	4.528%
13	14.050	13.958	14.124	BB	234213	2817220	87.47%	4.535%
14	15.151	15.078	15.241	BB	223761	2823423	87.66%	4.545%
15	16.171	16.074	16.258	BB	223622	2816031	87.43%	4.533%
16	17.120	17.051	17.198	BB	216983	2899395	90.02%	4.667%
17	18.007	17.944	18.098	BB	235301	3176058	98.61%	5.112%
18	18.840	18.801	18.901	BB	226230	3220879	100.00%	5.185%
19	19.621	19.561	19.708	BB	201438	2934710	91.12%	4.724%
20	20.361	20.321	20.409	BBA	182901	2542299	78.93%	4.092%
21	21.086	21.021	21.199	BBA	142625	2481528	77.05%	3.994%
22	21.974	21.861	22.099	BBA	99090	2344203	72.78%	3.773%
			Sum of corrected areas:			62123918		

Aliphatic EPH 100824.M Mon Oct 07 16:36:17 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050538.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:37
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 07 16:03:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:03:08 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024

A B C D E F

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.864	1598249	10.299 ug/ml
Spiked Amount	50.000		Recovery =	20.60%
12) S	1-chlorooctadecane (S...	13.298	1184740	10.114 ug/ml
Spiked Amount	50.000		Recovery =	20.23%
	Target Compounds			
1) T	n-Nonane (C9)	3.253	1429353	10.287 ug/ml
2) T	n-Decane (C10)	4.503	1451977	10.277 ug/ml
3) T	A~Naphthalene (C11.7)	6.215	1409508	9.818 ug/ml
4) T	n-Dodecane (C12)	6.670	1456013	10.262 ug/ml
5) T	A~2-methylnaphthalene...	7.311	1303112	9.695 ug/ml
6) T	n-Tetradecane (C14)	8.497	1444120	10.251 ug/ml
7) T	n-Hexadecane (C16)	10.103	1486117	10.224 ug/ml
8) T	n-Octadecane (C18)	11.544	1509351	10.256 ug/ml
10) T	n-Eicosane (C20)	12.852	1447741	10.270 ug/ml
11) T	n-Heneicosane (C21)	13.463	1422566	10.297 ug/ml
13) T	n-Docosane (C22)	14.049	1407717	10.232 ug/ml
14) T	n-Tetracosane (C24)	15.149	1417214	10.250 ug/ml
15) T	n-Hexacosane (C26)	16.170	1413994	10.260 ug/ml
16) T	n-Octacosane (C28)	17.118	1469893	10.435 ug/ml
17) T	n-Tricontane (C30)	18.006	1614246	10.693 ug/ml
18) T	n-Dotriacontane (C32)	18.837	1666044	10.943 ug/ml
19) T	n-Tetratriacontane (C34)	19.621	1525013	10.961 ug/ml
20) T	n-Hexatriacontane (C36)	20.359	1301715	10.698 ug/ml
21) T	n-Octatriacontane (C38)	21.086	1173667	10.191 ug/mlm
22) T	n-Tetracontane (C40)	21.971	1141383	10.327 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050538.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:37
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

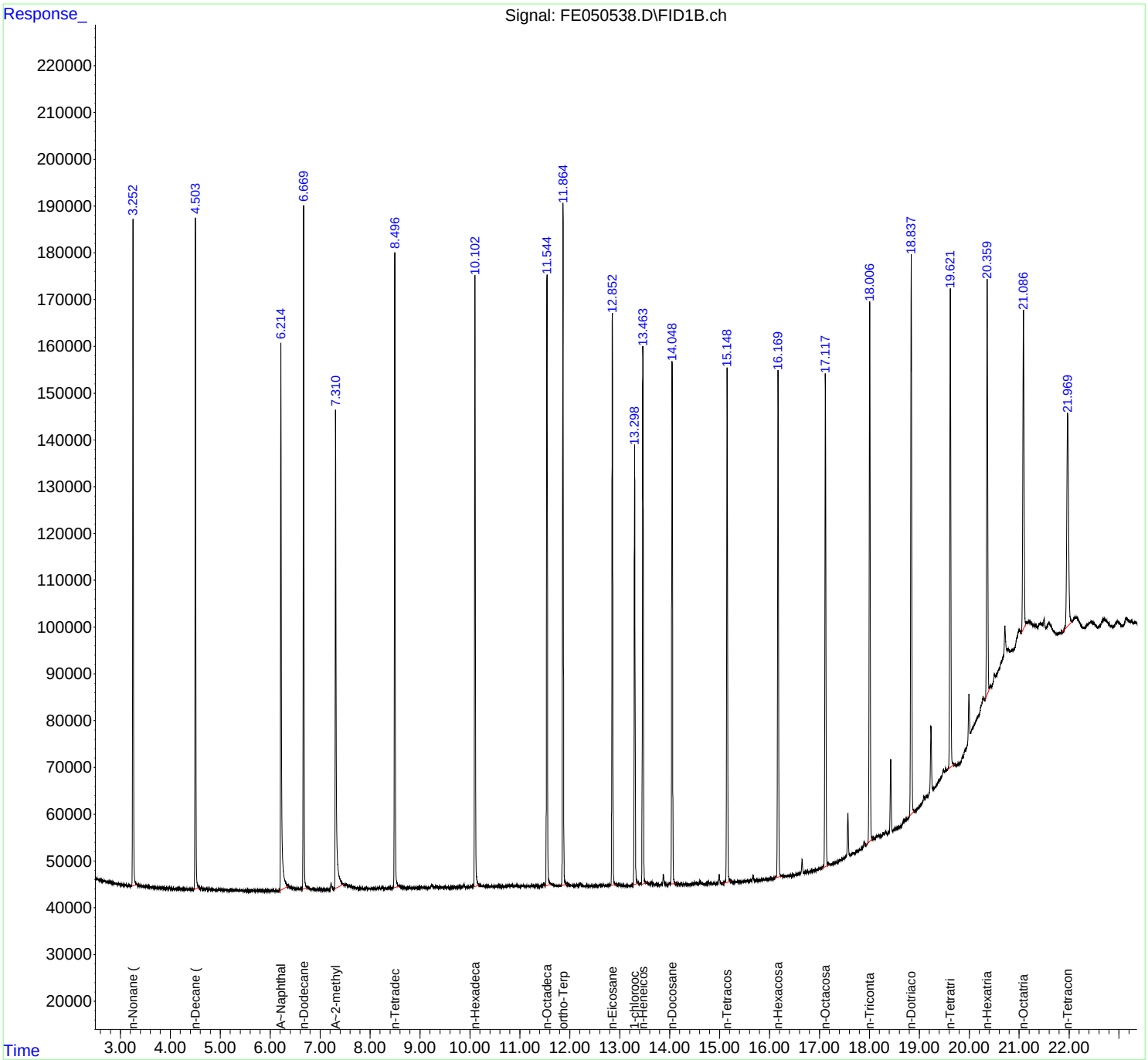
Integration File: autoint1.e
Quant Time: Oct 07 16:03:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:03:08 2024
Response via : Initial Calibration
Integrator: ChemStation

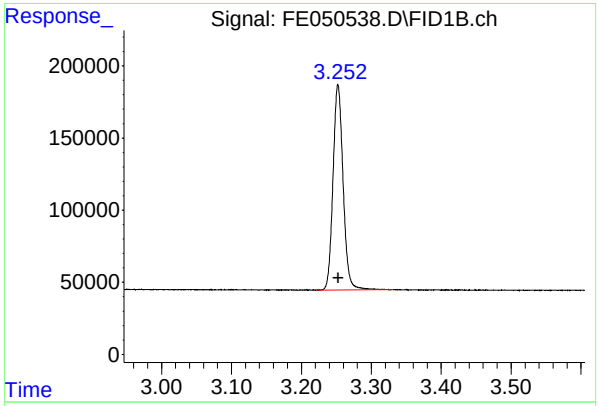
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024

A B C D E F





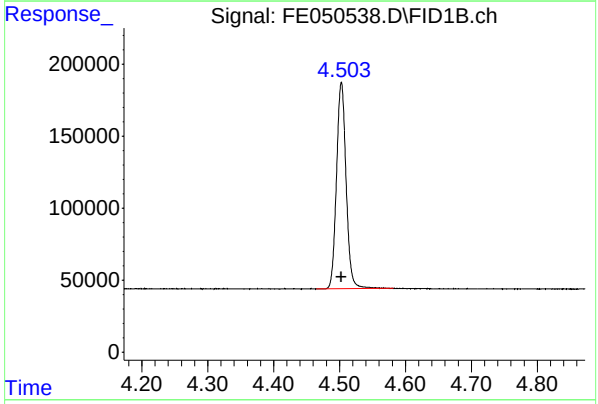
#1 n-Nonane (C9)

R.T.: 3.253 min
Delta R.T.: 0.000 min
Response: 1429353
Conc: 10.29 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

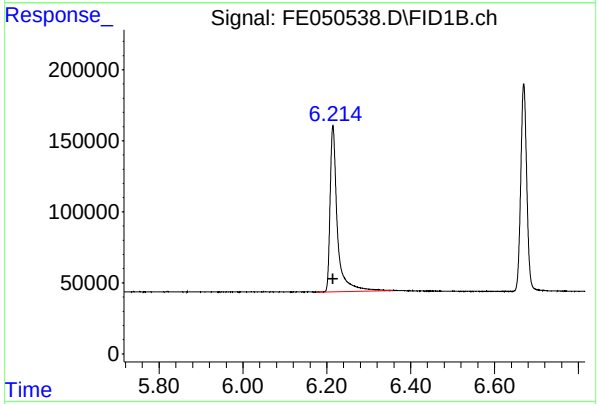
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



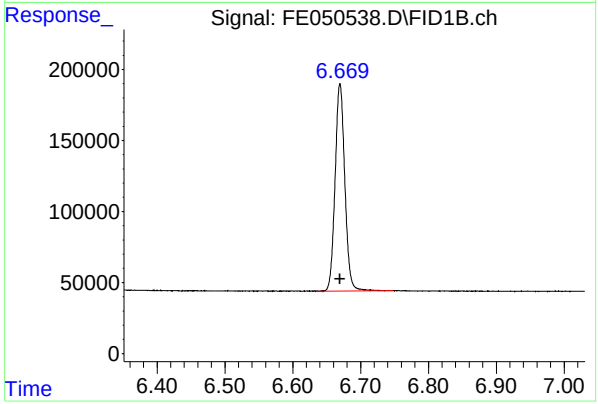
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 1451977
Conc: 10.28 ug/ml



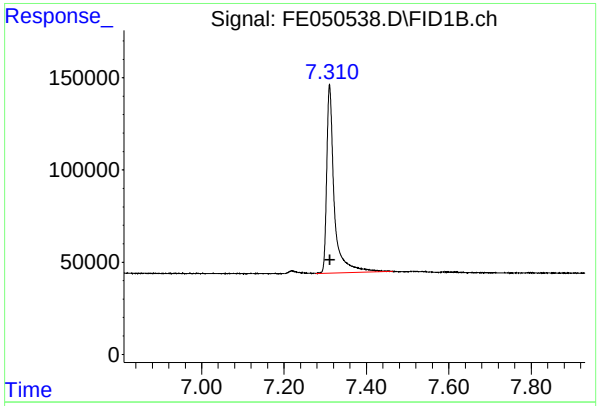
#3 A~Naphthalene (C11.7)

R.T.: 6.215 min
Delta R.T.: 0.000 min
Response: 1409508
Conc: 9.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 1456013
Conc: 10.26 ug/ml



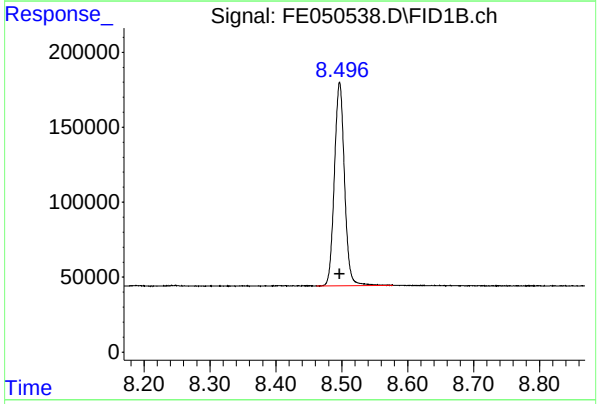
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.311 min
Delta R.T.: 0.000 min
Response: 1303112
Conc: 9.70 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

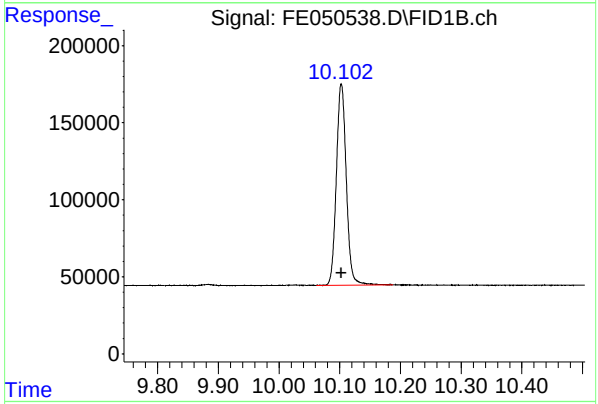
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



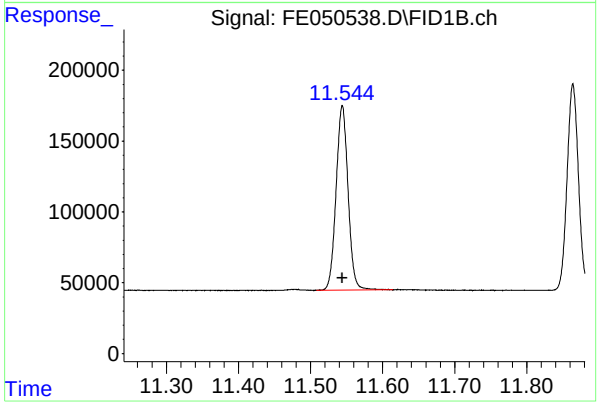
#6 n-Tetradecane (C14)

R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 1444120
Conc: 10.25 ug/ml



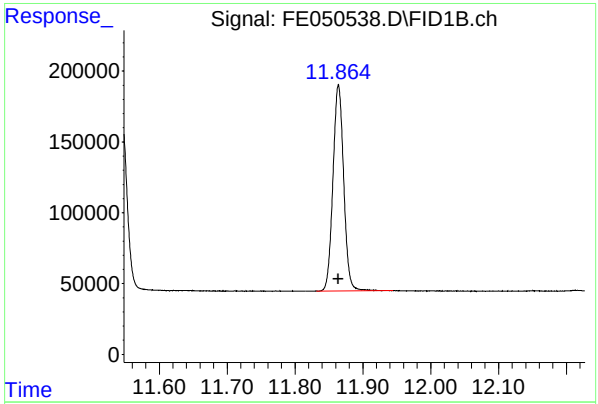
#7 n-Hexadecane (C16)

R.T.: 10.103 min
Delta R.T.: 0.000 min
Response: 1486117
Conc: 10.22 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.544 min
Delta R.T.: 0.000 min
Response: 1509351
Conc: 10.26 ug/ml



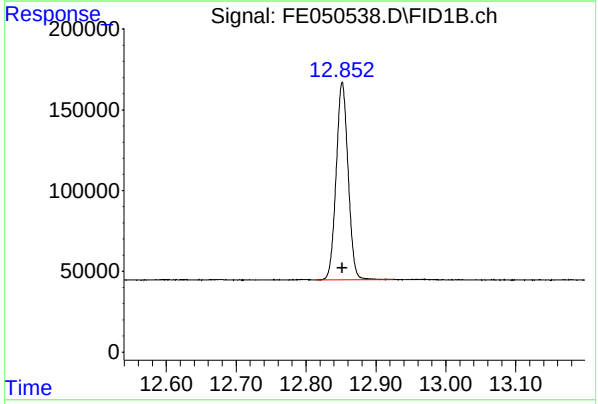
#9 ortho-Terphenyl (SURR)

R.T.: 11.864 min
Delta R.T.: 0.000 min
Response: 1598249
Conc: 10.30 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

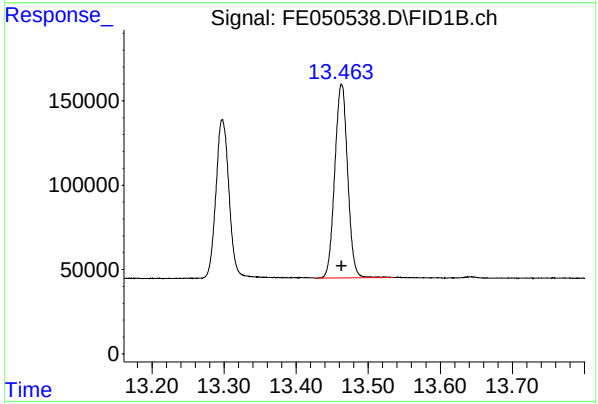
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



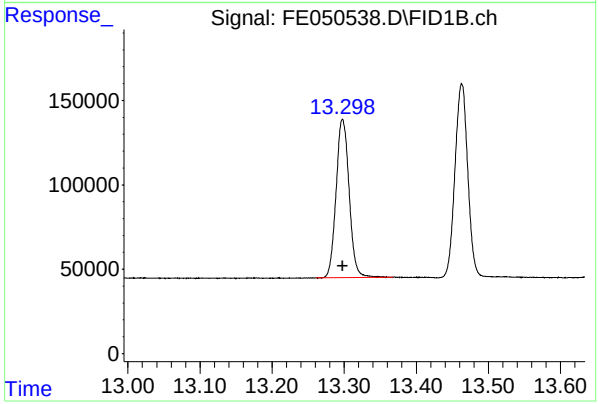
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: 0.000 min
Response: 1447741
Conc: 10.27 ug/ml



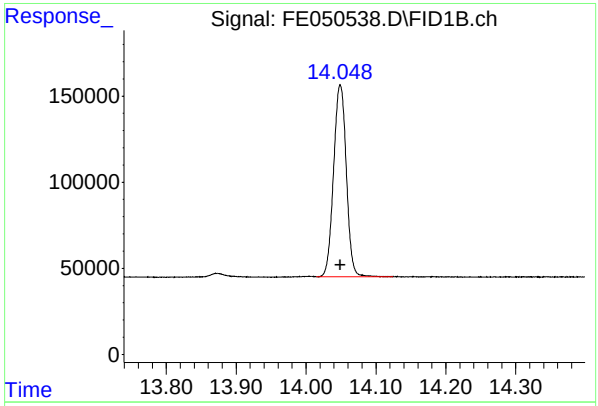
#11 n-Heneicosane (C21)

R.T.: 13.463 min
Delta R.T.: 0.000 min
Response: 1422566
Conc: 10.30 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.298 min
Delta R.T.: 0.000 min
Response: 1184740
Conc: 10.11 ug/ml



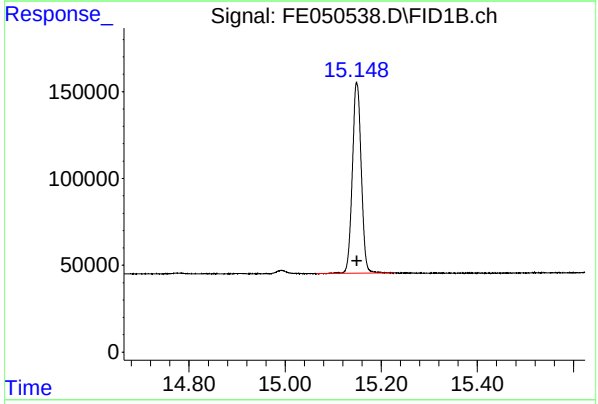
#13 n-Docosane (C22)

R.T.: 14.049 min
Delta R.T.: 0.000 min
Response: 1407717
Conc: 10.23 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

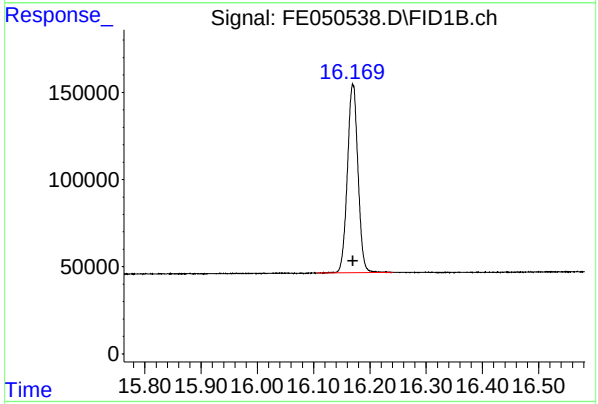
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



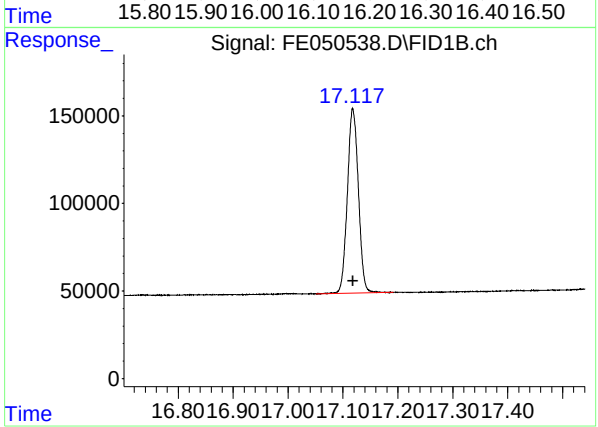
#14 n-Tetracosane (C24)

R.T.: 15.149 min
Delta R.T.: 0.000 min
Response: 1417214
Conc: 10.25 ug/ml



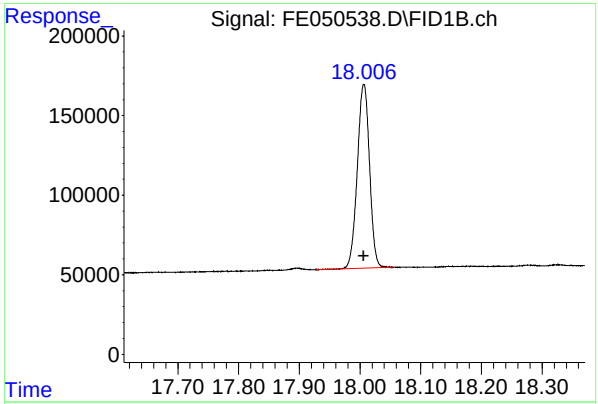
#15 n-Hexacosane (C26)

R.T.: 16.170 min
Delta R.T.: 0.000 min
Response: 1413994
Conc: 10.26 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.118 min
Delta R.T.: 0.000 min
Response: 1469893
Conc: 10.43 ug/ml



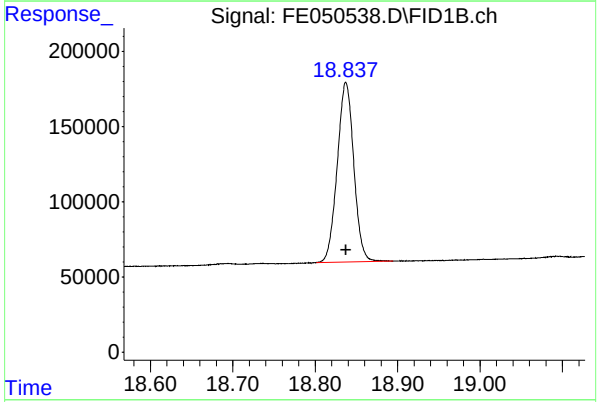
#17 n-Tricontane (C30)

R.T.: 18.006 min
Delta R.T.: 0.000 min
Response: 1614246
Conc: 10.69 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

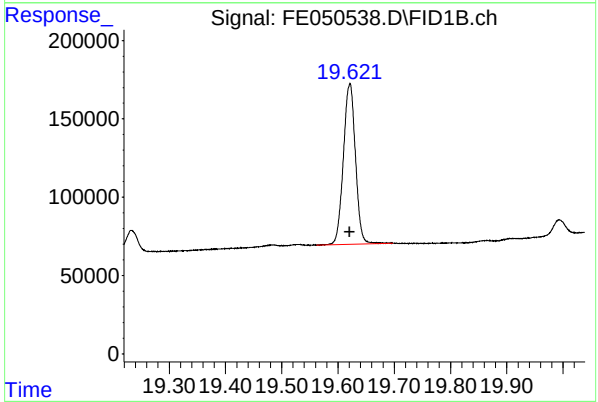
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



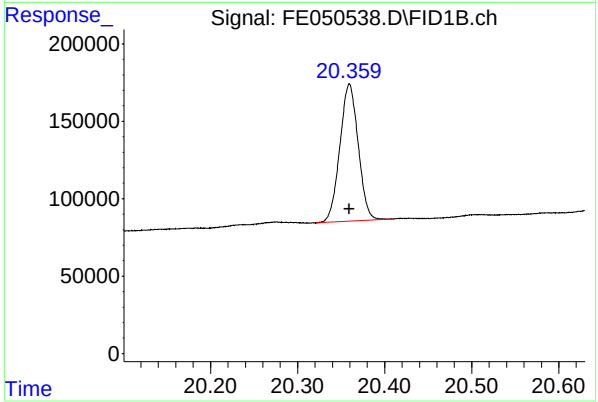
#18 n-Dotriacontane (C32)

R.T.: 18.837 min
Delta R.T.: 0.000 min
Response: 1666044
Conc: 10.94 ug/ml



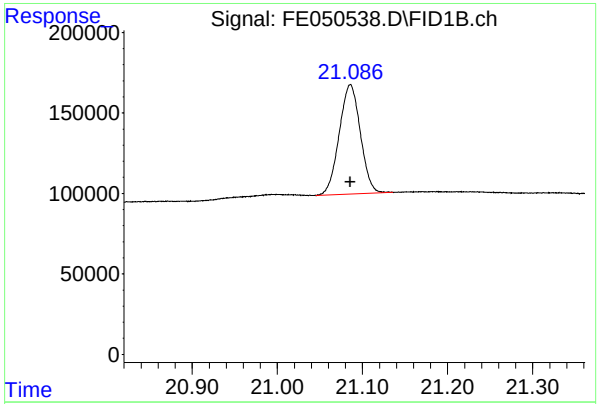
#19 n-Tetratriacontane (C34)

R.T.: 19.621 min
Delta R.T.: 0.000 min
Response: 1525013
Conc: 10.96 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.359 min
Delta R.T.: 0.000 min
Response: 1301715
Conc: 10.70 ug/ml



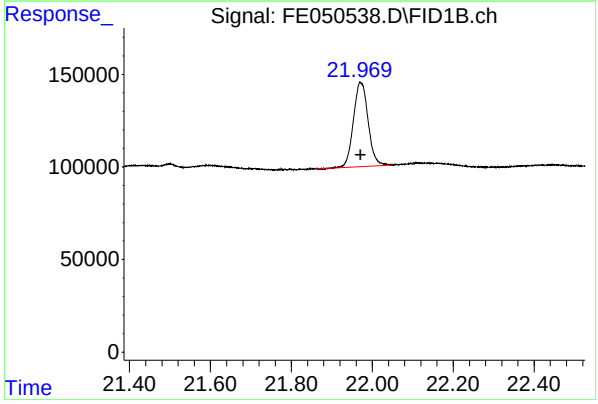
#21 n-Octatriacontane (C38)

R.T.: 21.086 min
Delta R.T.: 0.000 min
Response: 1173667
Conc: 10.19 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



#22 n-Tetracontane (C40)

R.T.: 21.971 min
Delta R.T.: 0.000 min
Response: 1141383
Conc: 10.33 ug/ml

Instrument :
FID_E
LabSampleId :
10 PPM ALIPHATIC HC STD4

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE10082
Data File : FE050538.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:37
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.253	3.221	3.331	BB	141842	1429353	85.79%	4.574%
2	4.503	4.464	4.581	BB	143204	1451977	87.15%	4.647%
3	6.215	6.174	6.358	BB	116535	1409508	84.60%	4.511%
4	6.670	6.634	6.748	BB	145347	1456013	87.39%	4.660%
5	7.311	7.278	7.464	BB	101321	1303112	78.22%	4.170%
6	8.497	8.461	8.578	BB	135582	1444120	86.68%	4.621%
7	10.103	10.061	10.188	BB	130078	1486117	89.20%	4.756%
8	11.544	11.508	11.614	BB	130433	1509351	90.59%	4.830%
9	11.864	11.831	11.944	BB	145215	1598249	95.93%	5.115%
10	12.852	12.814	12.924	BB	122059	1447741	86.90%	4.633%
11	13.298	13.261	13.368	BB	93873	1184740	71.11%	3.791%
12	13.463	13.428	13.534	BB	115675	1422566	85.39%	4.553%
13	14.049	14.014	14.124	BB	111578	1407717	84.49%	4.505%
14	15.149	15.064	15.224	BB	110566	1417214	85.06%	4.535%
15	16.170	16.104	16.241	BB	108964	1413994	84.87%	4.525%
16	17.118	17.051	17.191	BB	105302	1469893	88.23%	4.704%
17	18.006	17.928	18.054	BB	116031	1614246	96.89%	5.166%
18	18.837	18.801	18.894	BB	119499	1666044	100.00%	5.332%
19	19.621	19.561	19.698	BB	102286	1525013	91.53%	4.880%
20	20.359	20.321	20.409	BBA	88720	1301715	78.13%	4.166%
21	21.086	21.021	21.138	BB	67480	1147945	68.90%	3.674%
22	21.971	21.861	22.051	BV	45313	1141383	68.51%	3.653%
			Sum of corrected areas:			31248008		

Aliphatic EPH 100824.M Mon Oct 07 16:36:37 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050539.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:07
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024

Integration File: autoint1.e
Quant Time: Oct 07 16:31:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:31:21 2024
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)	11.863	837545	5.312 ug/ml
Spiked Amount	50.000		Recovery =	10.62%
12) S	1-chlorooctadecane (S...	13.298	614466	5.194 ug/ml
Spiked Amount	50.000		Recovery =	10.39%
	Target Compounds			
1) T	n-Nonane (C9)	3.254	753304	5.332 ug/ml
2) T	n-Decane (C10)	4.503	761079	5.305 ug/ml
3) T	A~Naphthalene (C11.7)	6.217	703385	4.919 ug/ml
4) T	n-Dodecane (C12)	6.670	760541	5.284 ug/ml
5) T	A~2-methylnaphthalene...	7.313	623807	4.709 ug/ml
6) T	n-Tetradecane (C14)	8.496	759193	5.307 ug/ml
7) T	n-Hexadecane (C16)	10.102	772180	5.247 ug/ml
8) T	n-Octadecane (C18)	11.544	790974	5.295 ug/ml
10) T	n-Eicosane (C20)	12.852	765738	5.340 ug/ml
11) T	n-Heneicosane (C21)	13.463	747887	5.326 ug/ml
13) T	n-Docosane (C22)	14.048	755779	5.387 ug/ml
14) T	n-Tetracosane (C24)	15.150	766754	5.427 ug/ml
15) T	n-Hexacosane (C26)	16.169	761614	5.412 ug/ml
16) T	n-Octacosane (C28)	17.117	840920	5.747 ug/ml
17) T	n-Tricontane (C30)	18.004	955708	6.011 ug/ml
18) T	n-Dotriacontane (C32)	18.837	1007931	6.217 ug/ml
19) T	n-Tetratriacontane (C34)	19.619	889564	6.056 ug/ml
20) T	n-Hexatriacontane (C36)	20.358	736787	5.810 ug/ml
21) T	n-Octatriacontane (C38)	21.084	775038	6.268 ug/ml
22) T	n-Tetracontane (C40)	21.969	573373	5.145 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050539.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:07
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

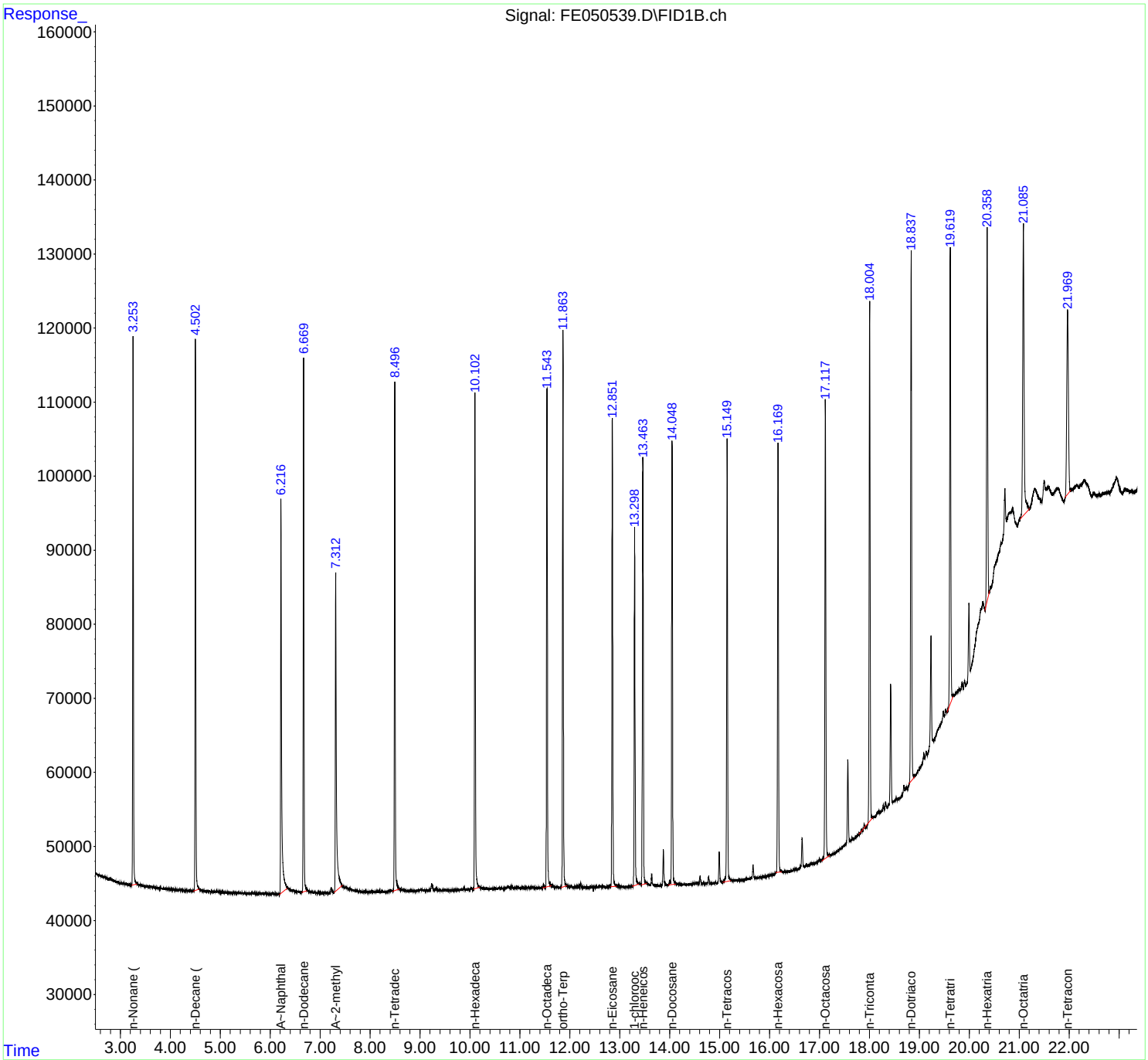
Integration File: autoint1.e
Quant Time: Oct 07 16:31:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:31:21 2024
Response via : Initial Calibration
Integrator: ChemStation

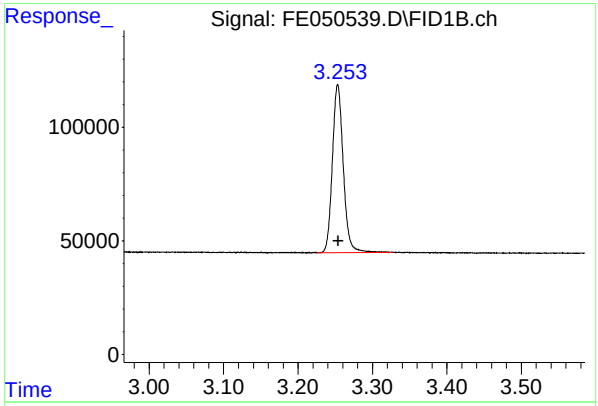
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024

A B C D E F





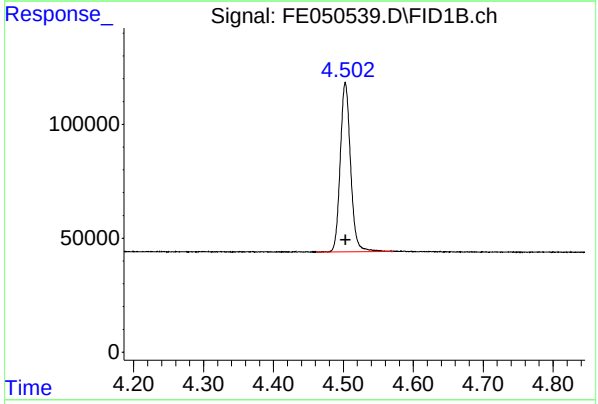
#1 n-Nonane (C9)

R.T.: 3.254 min
Delta R.T.: 0.000 min
Response: 753304
Conc: 5.33 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

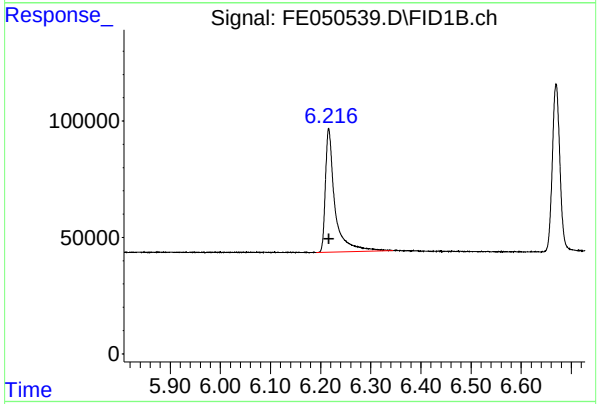
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



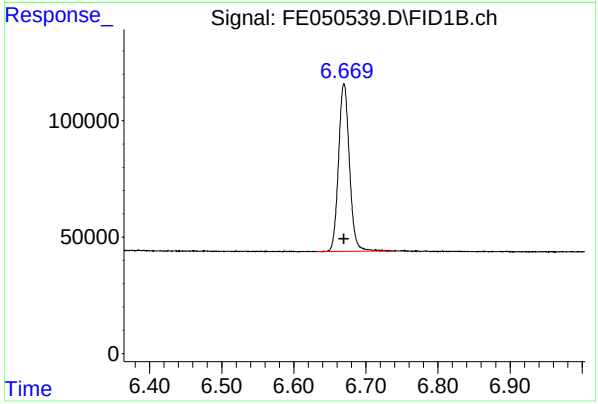
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 761079
Conc: 5.30 ug/ml



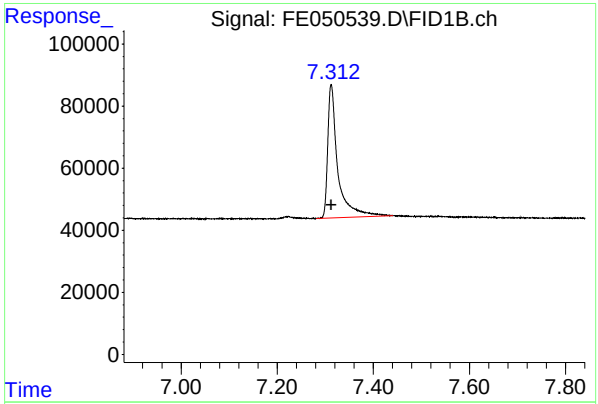
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: 0.000 min
Response: 703385
Conc: 4.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 760541
Conc: 5.28 ug/ml



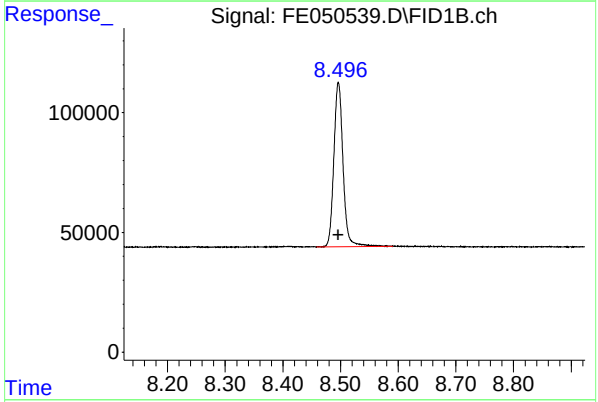
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.313 min
Delta R.T.: 0.000 min
Response: 623807
Conc: 4.71 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

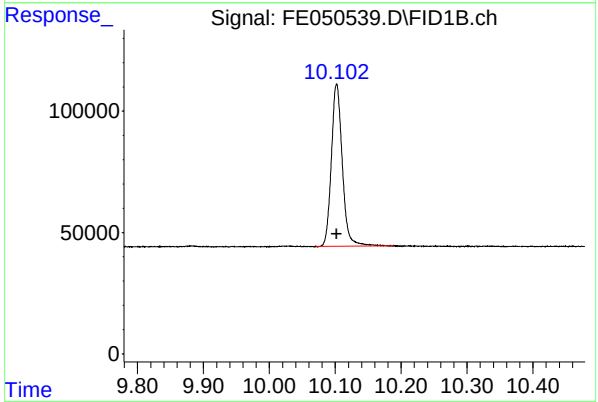
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



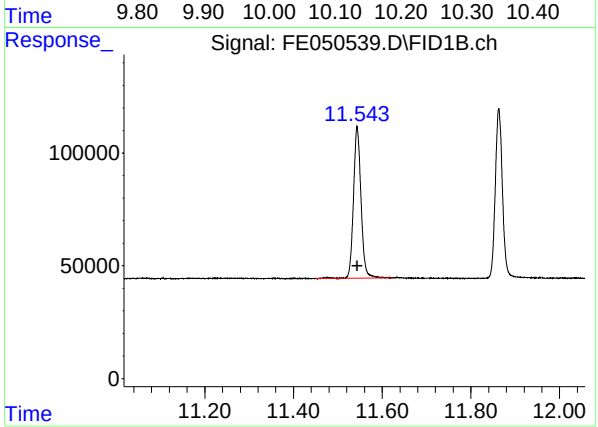
#6 n-Tetradecane (C14)

R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 759193
Conc: 5.31 ug/ml



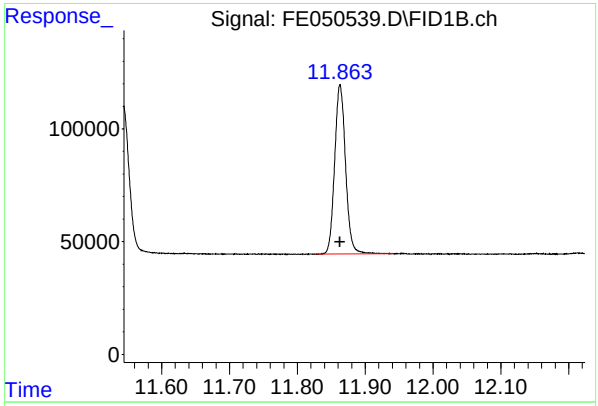
#7 n-Hexadecane (C16)

R.T.: 10.102 min
Delta R.T.: 0.000 min
Response: 772180
Conc: 5.25 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.544 min
Delta R.T.: 0.000 min
Response: 790974
Conc: 5.30 ug/ml



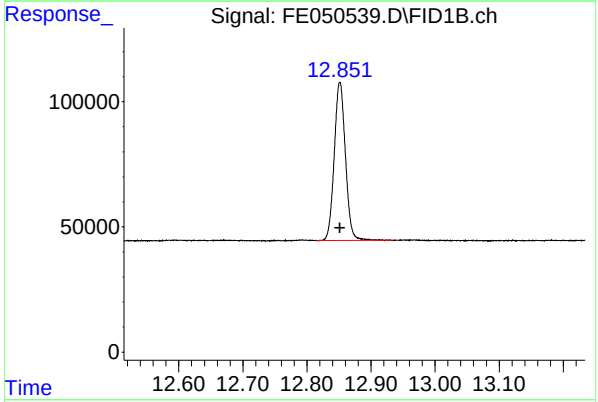
#9 ortho-Terphenyl (SURR)

R.T.: 11.863 min
Delta R.T.: 0.000 min
Response: 837545
Conc: 5.31 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

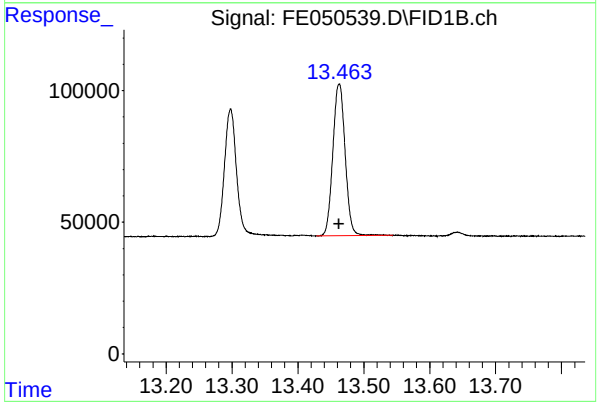
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



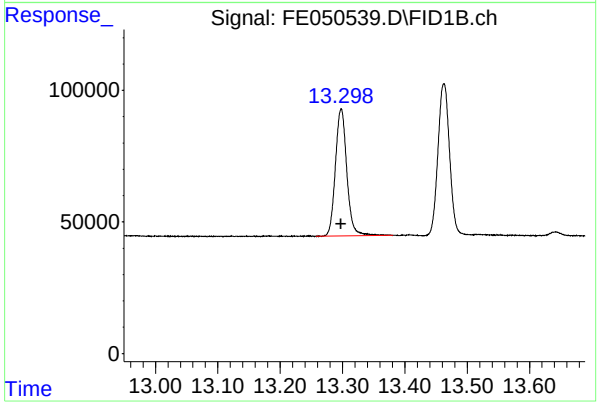
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: 0.000 min
Response: 765738
Conc: 5.34 ug/ml



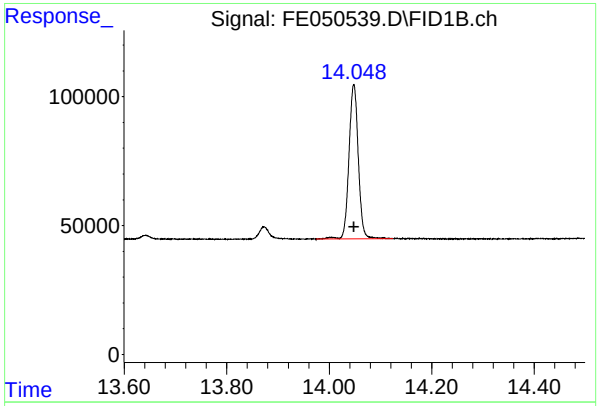
#11 n-Heneicosane (C21)

R.T.: 13.463 min
Delta R.T.: 0.000 min
Response: 747887
Conc: 5.33 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.298 min
Delta R.T.: 0.000 min
Response: 614466
Conc: 5.19 ug/ml



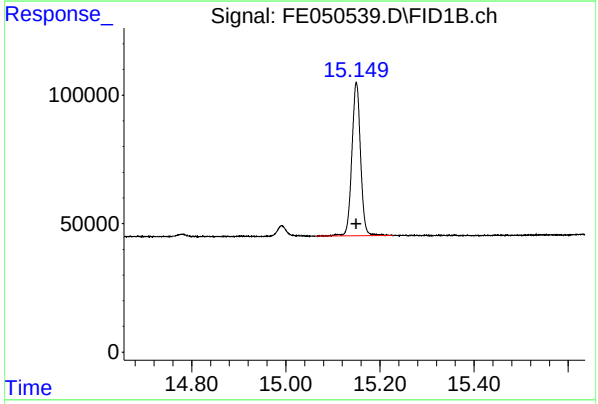
#13 n-Docosane (C22)

R.T.: 14.048 min
Delta R.T.: 0.000 min
Response: 755779
Conc: 5.39 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

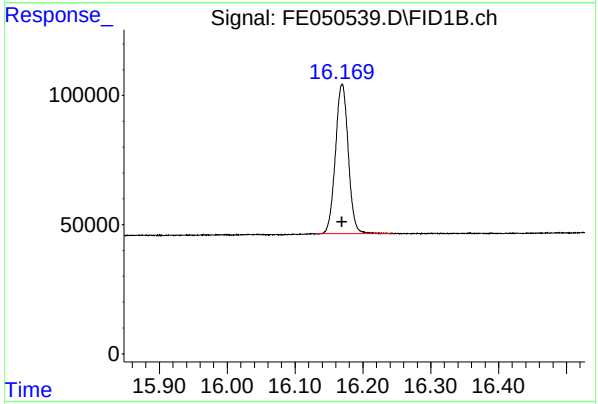
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



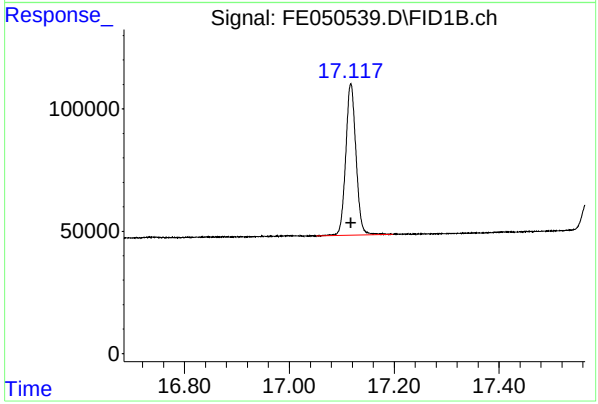
#14 n-Tetracosane (C24)

R.T.: 15.150 min
Delta R.T.: 0.000 min
Response: 766754
Conc: 5.43 ug/ml



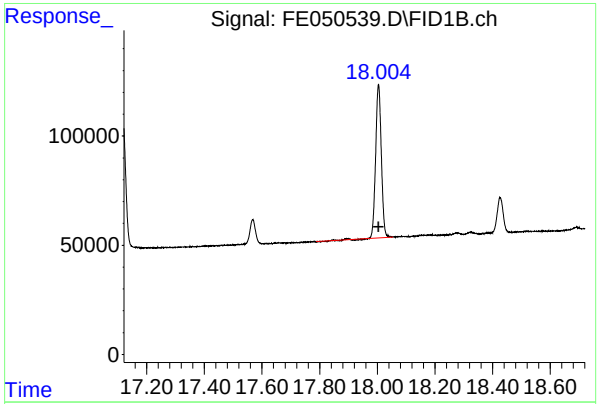
#15 n-Hexacosane (C26)

R.T.: 16.169 min
Delta R.T.: 0.000 min
Response: 761614
Conc: 5.41 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.117 min
Delta R.T.: 0.000 min
Response: 840920
Conc: 5.75 ug/ml



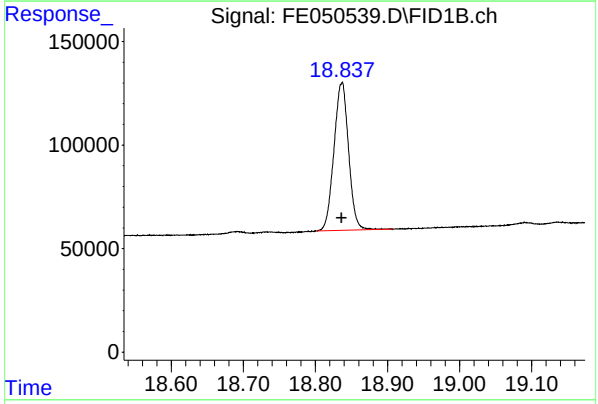
#17 n-Tricontane (C30)

R.T.: 18.004 min
Delta R.T.: 0.000 min
Response: 955708
Conc: 6.01 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

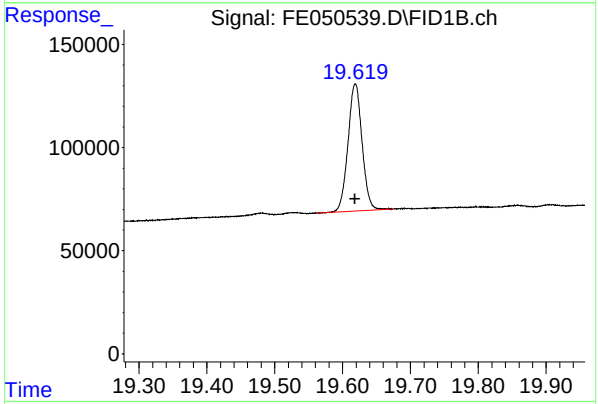
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



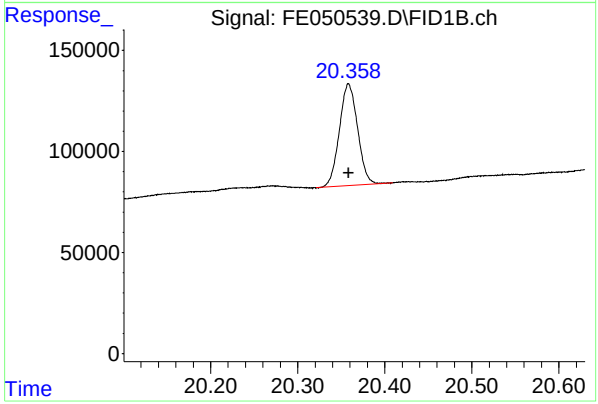
#18 n-Dotriacontane (C32)

R.T.: 18.837 min
Delta R.T.: 0.000 min
Response: 1007931
Conc: 6.22 ug/ml



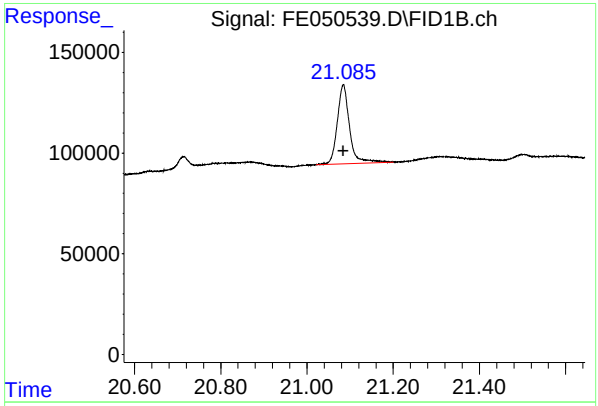
#19 n-Tetratriacontane (C34)

R.T.: 19.619 min
Delta R.T.: 0.000 min
Response: 889564
Conc: 6.06 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.358 min
Delta R.T.: 0.000 min
Response: 736787
Conc: 5.81 ug/ml



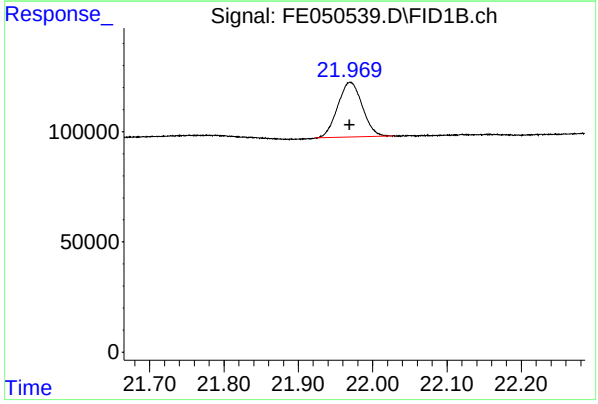
#21 n-Octatriacontane (C38)

R.T.: 21.084 min
Delta R.T.: 0.000 min
Response: 775038
Conc: 6.27 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



#22 n-Tetracontane (C40)

R.T.: 21.969 min
Delta R.T.: 0.000 min
Response: 573373
Conc: 5.14 ug/ml m

rteres

Instrument :
FID_E
LabSampleId :
5 PPM ALIPHATIC HC STD5

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE10082
Data File : FE050539.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:07
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.254	3.224	3.328	BB	73662	753304	74.74%	4.447%
2	4.503	4.461	4.571	BB	73626	761079	75.51%	4.493%
3	6.217	6.191	6.344	BB	52188	703385	69.78%	4.152%
4	6.670	6.631	6.738	BB	72076	760541	75.46%	4.490%
5	7.313	7.281	7.441	BB	42388	623807	61.89%	3.683%
6	8.496	8.458	8.591	BB	68361	759193	75.32%	4.482%
7	10.102	10.071	10.188	BB	66932	772180	76.61%	4.559%
8	11.544	11.451	11.624	BB	66625	790974	78.47%	4.670%
9	11.863	11.828	11.941	BB	74273	837545	83.10%	4.945%
10	12.852	12.814	12.934	BB	63313	765738	75.97%	4.521%
11	13.298	13.258	13.381	BB	48212	614466	60.96%	3.628%
12	13.463	13.428	13.544	BB	58070	747887	74.20%	4.415%
13	14.048	13.974	14.124	BB	59898	755779	74.98%	4.462%
14	15.150	15.064	15.228	BB	59559	766754	76.07%	4.527%
15	16.169	16.131	16.244	BB	57691	761614	75.56%	4.496%
16	17.117	17.051	17.198	BB	61897	840920	83.43%	4.964%
17	18.004	17.788	18.054	BB	70215	955708	94.82%	5.642%
18	18.837	18.801	18.908	BB	71875	1007931	100.00%	5.950%
19	19.619	19.561	19.674	BB	61617	889564	88.26%	5.252%
20	20.358	20.321	20.409	BBA	50235	736787	73.10%	4.350%
21	21.084	21.021	21.199	BBA	39404	775038	76.89%	4.575%
22	21.970	21.861	22.031	BB	24838	558694	55.43%	3.298%
			Sum of corrected areas:			16938887		

Aliphatic EPH 100824.M Mon Oct 07 16:37:05 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050540.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:37
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 07 17:01:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
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)	11.865	2942962	18.667 ug/ml
Spiked Amount	50.000		Recovery =	37.33%
12) S	1-chlorooctadecane (S...	13.299	2228627	18.840 ug/ml
Spiked Amount	50.000		Recovery =	37.68%
	Target Compounds			
1) T	n-Nonane (C9)	3.253	2689462	19.035 ug/ml
2) T	n-Decane (C10)	4.503	2733520	19.052 ug/ml
3) T	A~Naphthalene (C11.7)	6.214	2714676	18.985 ug/ml
4) T	n-Dodecane (C12)	6.670	2741257	19.045 ug/ml
5) T	A~2-methylnaphthalene...	7.310	2535659	19.140 ug/ml
6) T	n-Tetradecane (C14)	8.497	2716479	18.987 ug/ml
7) T	n-Hexadecane (C16)	10.103	2790671	18.962 ug/ml
8) T	n-Octadecane (C18)	11.544	2821757	18.891 ug/ml
10) T	n-Eicosane (C20)	12.852	2729389	19.033 ug/ml
11) T	n-Heneicosane (C21)	13.464	2653621	18.896 ug/ml
13) T	n-Docosane (C22)	14.049	2698315	19.233 ug/ml
14) T	n-Tetracosane (C24)	15.151	2823967	19.989 ug/ml
15) T	n-Hexacosane (C26)	16.170	2863872	20.352 ug/ml
16) T	n-Octacosane (C28)	17.118	2984657	20.397 ug/ml
17) T	n-Tricontane (C30)	18.005	3160183	19.875 ug/ml
18) T	n-Dotriacontane (C32)	18.837	3132221	19.321 ug/ml
19) T	n-Tetratriacontane (C34)	19.619	2741344	18.662 ug/ml
20) T	n-Hexatriacontane (C36)	20.359	2393312	18.873 ug/ml
21) T	n-Octatriacontane (C38)	21.084	2140081	17.308 ug/ml
22) T	n-Tetracontane (C40)	21.972	2032080	18.249 ug/ml

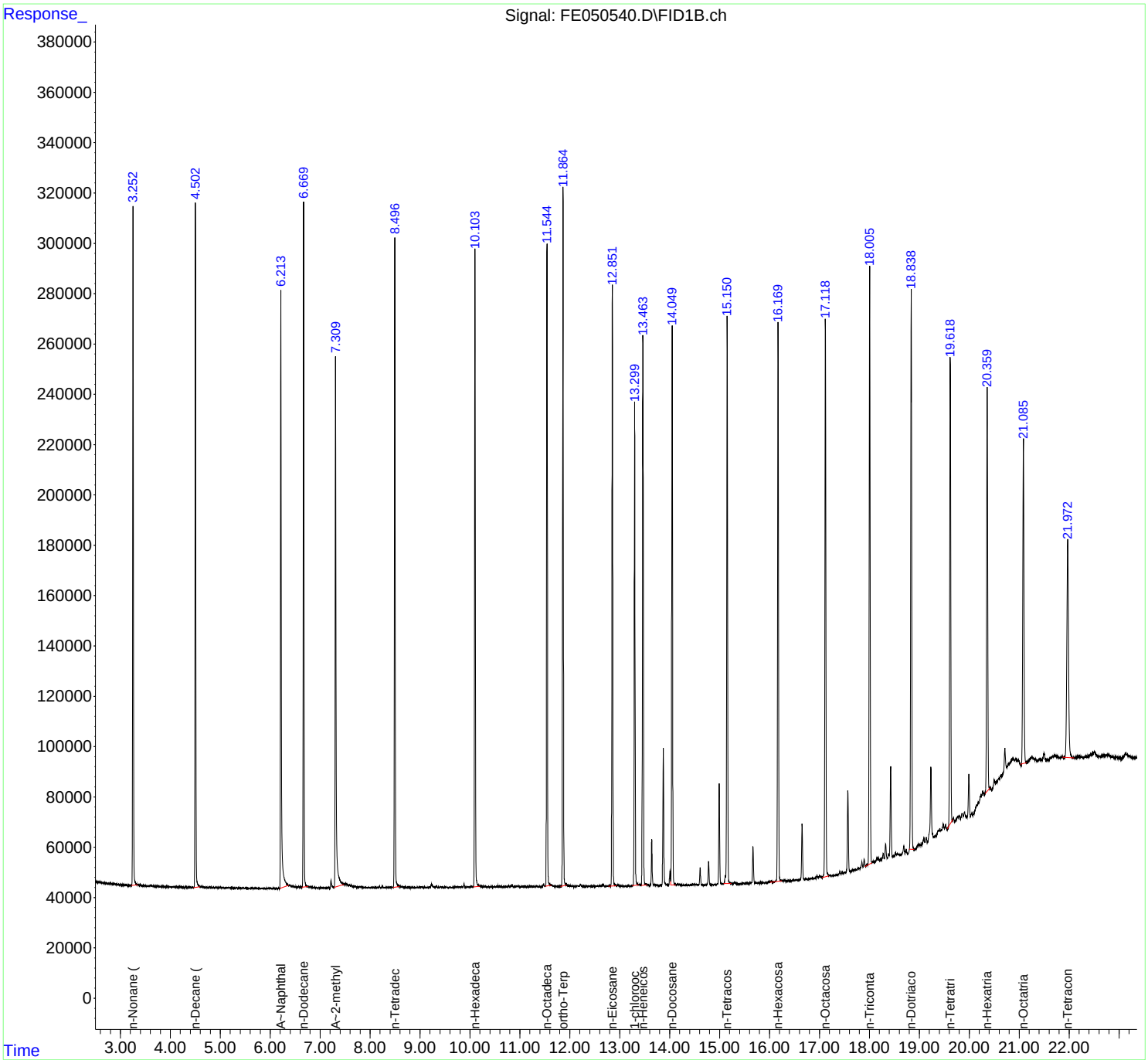
(f)=RT Delta > 1/2 Window (m)=manual int.

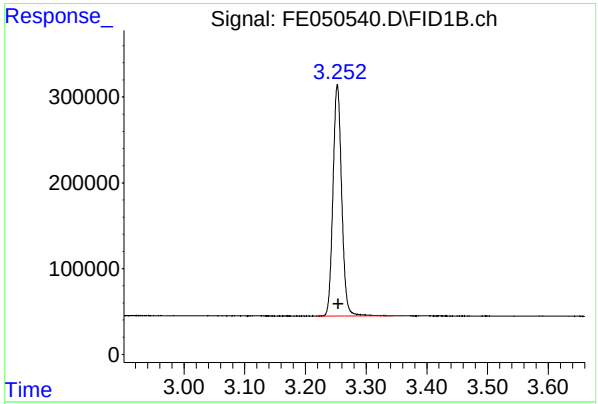
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050540.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:37
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 07 17:01:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

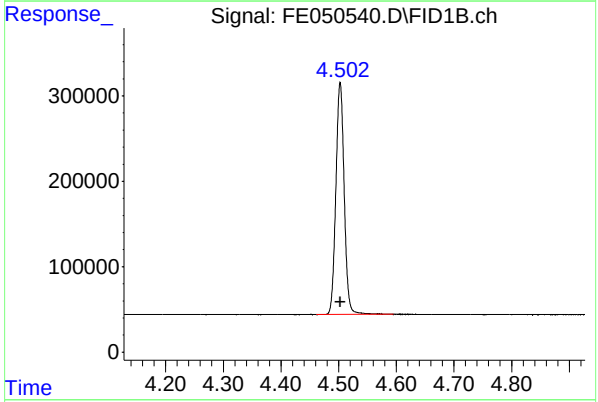




#1 n-Nonane (C9)

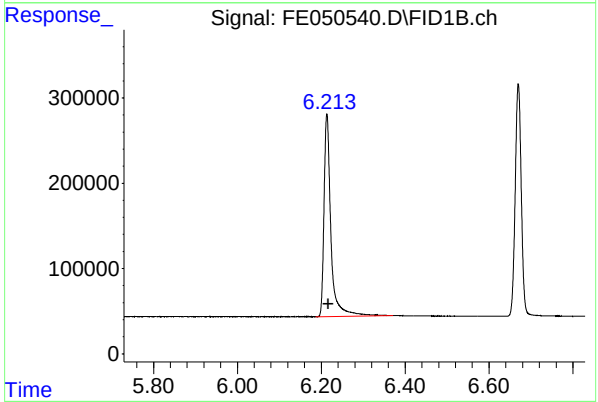
R.T.: 3.253 min
Delta R.T.: -0.001 min
Response: 2689462
Conc: 19.03 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



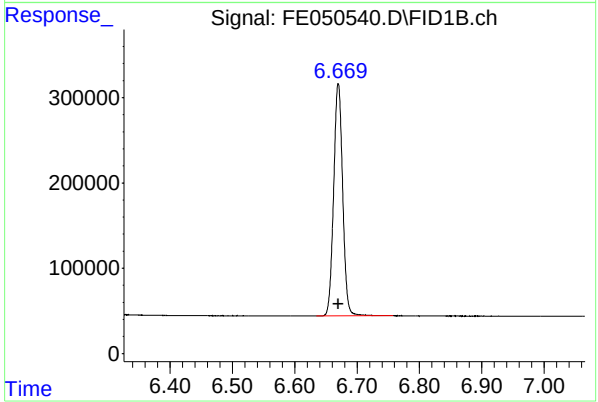
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 2733520
Conc: 19.05 ug/ml



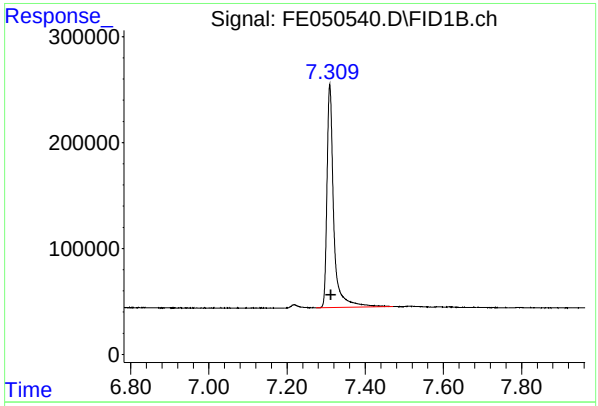
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: -0.003 min
Response: 2714676
Conc: 18.99 ug/ml



#4 n-Dodecane (C12)

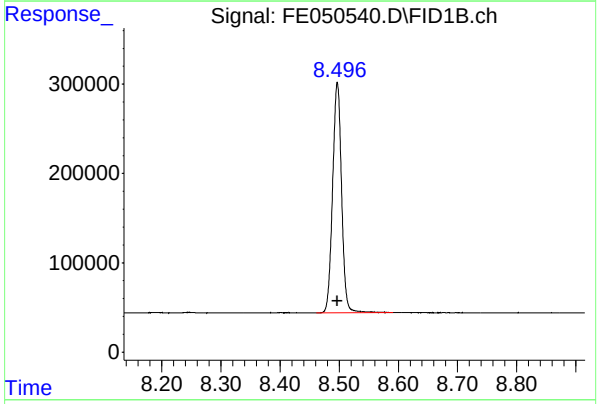
R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 2741257
Conc: 19.05 ug/ml



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

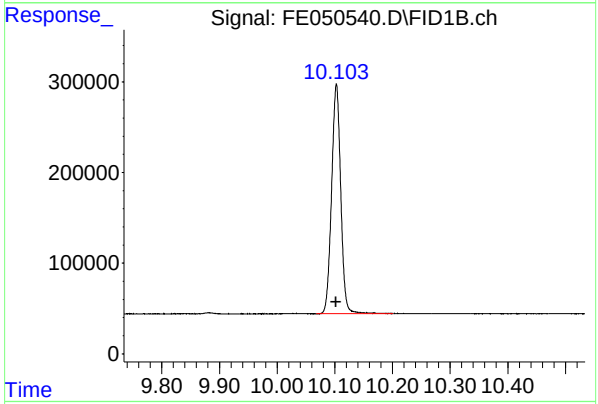
R.T.: 7.310 min
Delta R.T.: -0.003 min
Response: 2535659
Conc: 19.14 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



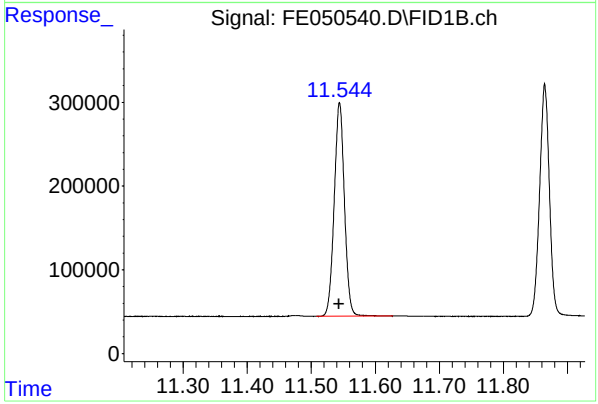
#6 n-Tetradecane (C14)

R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 2716479
Conc: 18.99 ug/ml



#7 n-Hexadecane (C16)

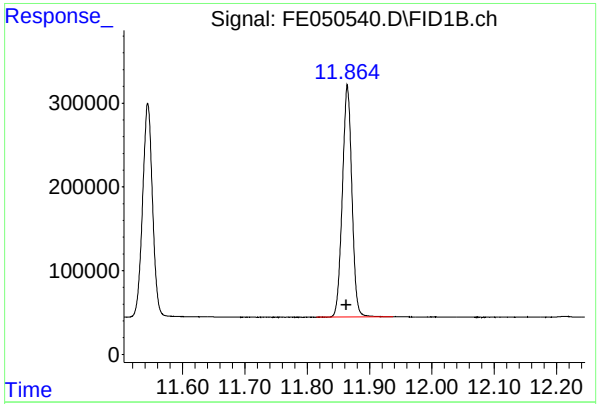
R.T.: 10.103 min
Delta R.T.: 0.000 min
Response: 2790671
Conc: 18.96 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.544 min
Delta R.T.: 0.000 min
Response: 2821757
Conc: 18.89 ug/ml

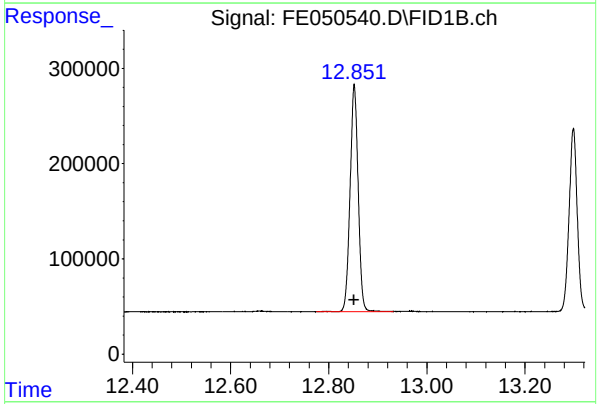
A
B
C
D
E
F



#9 ortho-Terphenyl (SURR)

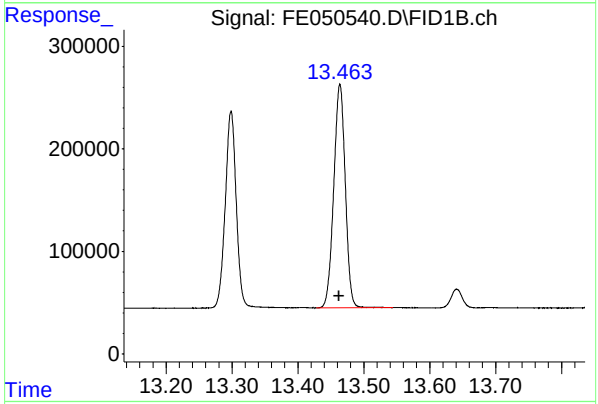
R.T.: 11.865 min
Delta R.T.: 0.001 min
Response: 2942962
Conc: 18.67 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



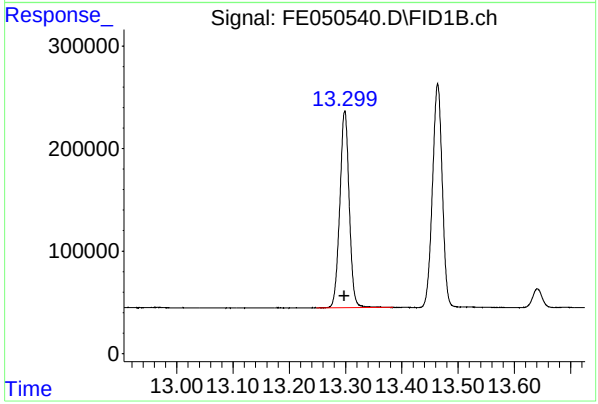
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: 0.000 min
Response: 2729389
Conc: 19.03 ug/ml



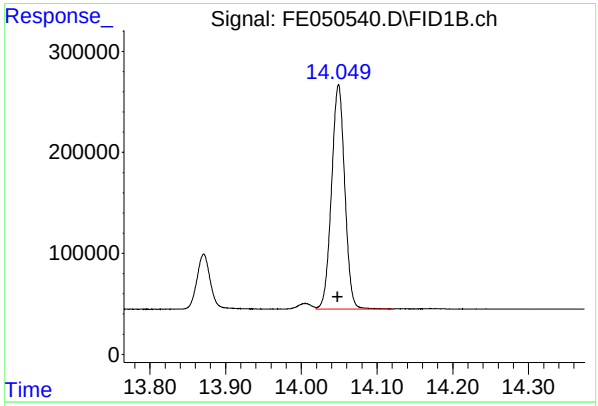
#11 n-Heneicosane (C21)

R.T.: 13.464 min
Delta R.T.: 0.001 min
Response: 2653621
Conc: 18.90 ug/ml



#12 1-chlorooctadecane (SURR)

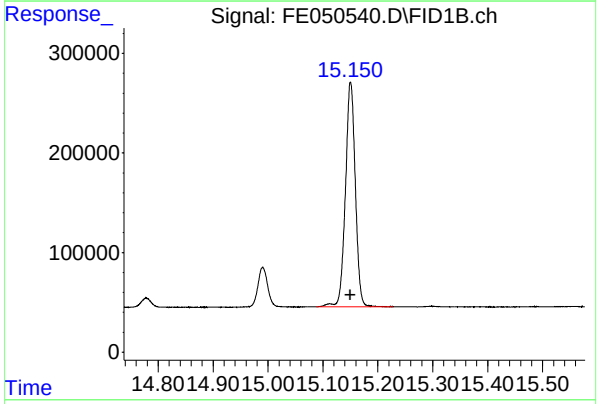
R.T.: 13.299 min
Delta R.T.: 0.000 min
Response: 2228627
Conc: 18.84 ug/ml



#13 n-Docosane (C22)

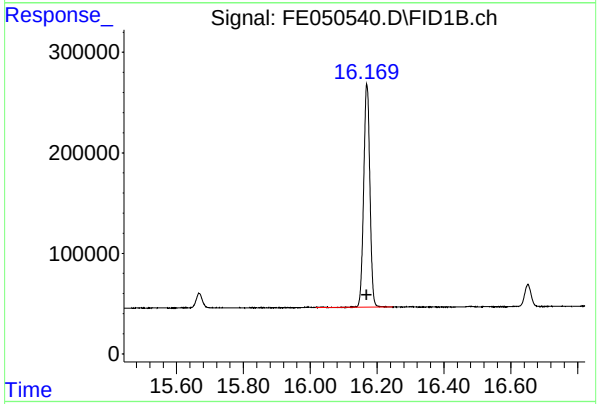
R.T.: 14.049 min
Delta R.T.: 0.001 min
Response: 2698315
Conc: 19.23 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



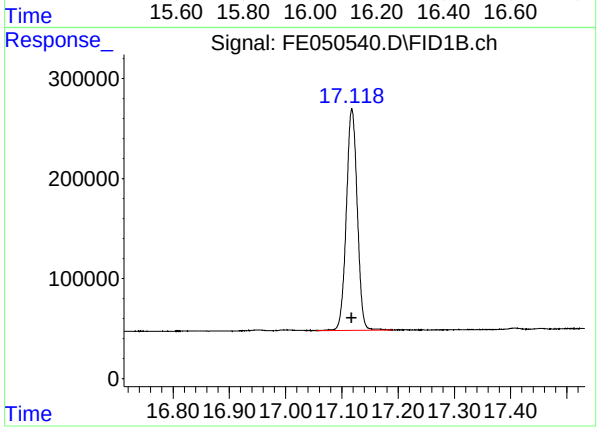
#14 n-Tetracosane (C24)

R.T.: 15.151 min
Delta R.T.: 0.000 min
Response: 2823967
Conc: 19.99 ug/ml



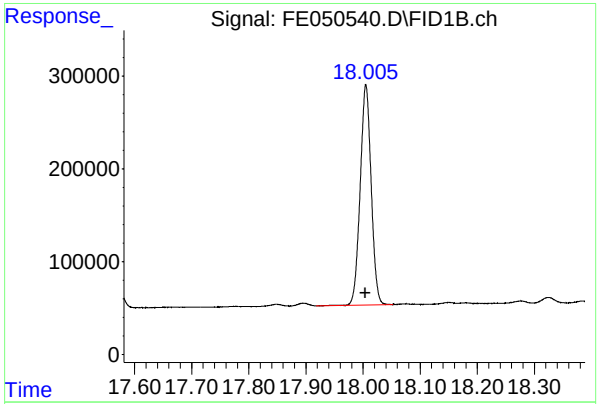
#15 n-Hexacosane (C26)

R.T.: 16.170 min
Delta R.T.: 0.000 min
Response: 2863872
Conc: 20.35 ug/ml



#16 n-Octacosane (C28)

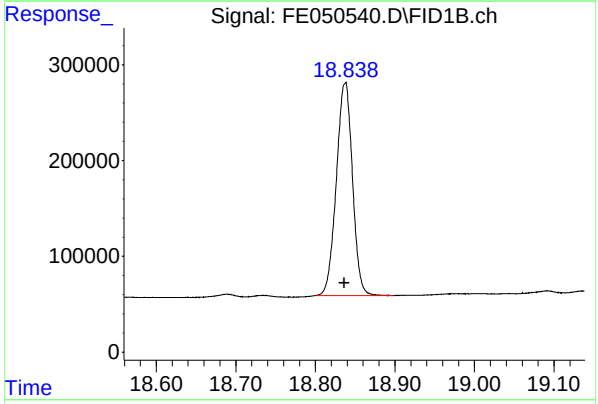
R.T.: 17.118 min
Delta R.T.: 0.000 min
Response: 2984657
Conc: 20.40 ug/ml



#17 n-Tricontane (C30)

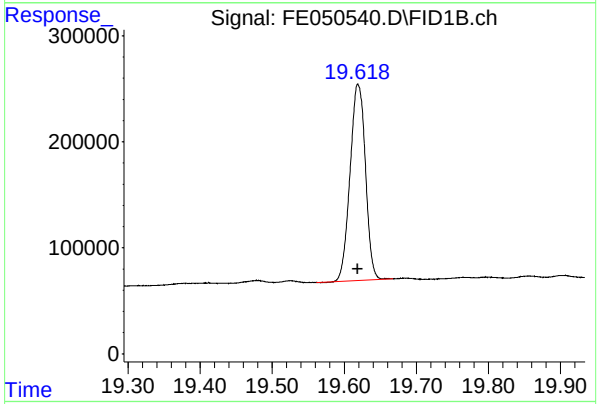
R.T.: 18.005 min
Delta R.T.: 0.000 min
Response: 3160183
Conc: 19.88 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



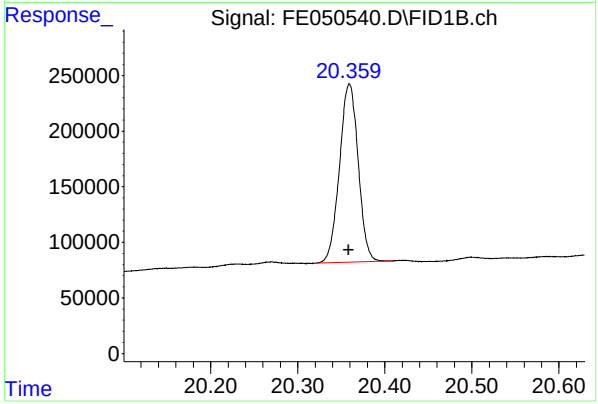
#18 n-Dotriacontane (C32)

R.T.: 18.837 min
Delta R.T.: 0.000 min
Response: 3132221
Conc: 19.32 ug/ml



#19 n-Tetratriacontane (C34)

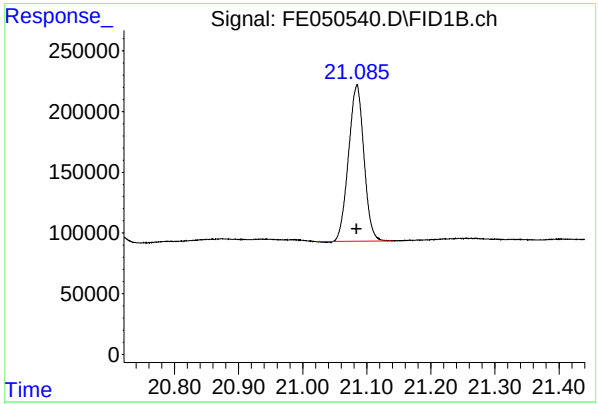
R.T.: 19.619 min
Delta R.T.: 0.000 min
Response: 2741344
Conc: 18.66 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.359 min
Delta R.T.: 0.000 min
Response: 2393312
Conc: 18.87 ug/ml

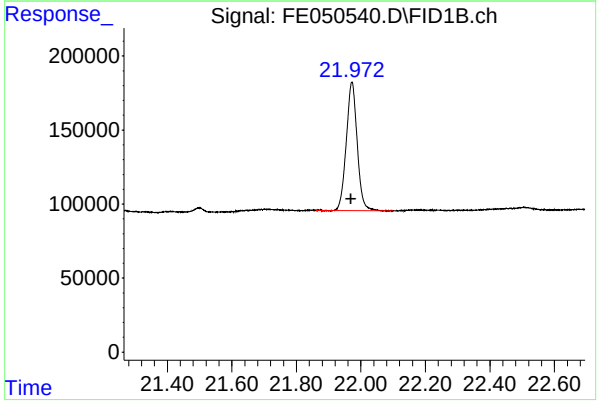
A
B
C
D
E
F



#21 n-Octatriacontane (C38)

R.T.: 21.084 min
Delta R.T.: 0.000 min
Response: 2140081
Conc: 17.31 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.972 min
Delta R.T.: 0.003 min
Response: 2032080
Conc: 18.25 ug/ml

A
B
C
D
E
F

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050540.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:37
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.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	3.253	3.218	3.344	BB	267501	2689462	85.10%	4.538%
2	4.503	4.461	4.594	BB	270567	2733520	86.50%	4.612%
3	6.214	6.188	6.371	BB	236720	2714676	85.90%	4.580%
4	6.670	6.634	6.758	BB	272468	2741257	86.74%	4.625%
5	7.310	7.274	7.471	BB	208837	2535659	80.24%	4.278%
6	8.497	8.461	8.591	BB	258171	2716479	85.96%	4.583%
7	10.103	10.068	10.201	BB	252751	2790671	88.31%	4.709%
8	11.544	11.508	11.628	BB	255454	2821757	89.29%	4.761%
9	11.865	11.814	11.938	BB	276376	2942962	93.13%	4.966%
10	12.852	12.774	12.931	BB	237336	2729389	86.37%	4.605%
11	13.299	13.248	13.384	BB	192003	2228627	70.52%	3.760%
12	13.464	13.428	13.544	BB	218379	2653621	83.97%	4.477%
13	14.049	14.019	14.121	VB	220938	2698315	85.38%	4.553%
14	15.151	15.088	15.228	BB	225510	2823967	89.36%	4.765%
15	16.170	16.018	16.248	BB	220922	2863872	90.62%	4.832%
16	17.118	17.054	17.191	BB	221073	2984657	94.45%	5.036%
17	18.005	17.918	18.052	PV	237213	3160183	100.00%	5.332%
18	18.837	18.801	18.898	BB	222662	3132221	99.12%	5.285%
19	19.619	19.561	19.668	BV	184014	2741344	86.75%	4.625%
20	20.359	20.321	20.409	BBA	159661	2393312	75.73%	4.038%
21	21.084	21.021	21.141	BV	128474	2140081	67.72%	3.611%
22	21.972	21.861	22.099	BBA	86878	2032080	64.30%	3.429%
			Sum of corrected areas:			59268111		

Aliphatic EPH 100824.M Mon Oct 07 17:02:35 2024

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

Continuing Calibration Report for SequenceID : FC101124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067399.D**						
Aliphatic C9-C12	7575097.000	60.000	3.175	6.457	126251.617	128354.488	1.638
Aliphatic C12-C16	4987010.000	40.000	6.458	9.848	124675.250	130957.677	4.797
Aliphatic C16-C21	7246870.000	60.000	9.849	13.207	120781.167	131476.102	8.135
Aliphatic C21-C28	9150736.000	80.000	13.208	16.862	114384.200	126823.664	9.808
Aliphatic C28-C40	11671078.000	120.000	16.863	21.712	97258.983	105215.848	7.562
Aliphatic EPH	40630791.000	360.000	3.175	21.712	112863.308	121110.937	6.810

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	11 Oct 2024 12:04
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067399.D	Misc:	
Instrument:	FID_C	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.175	6.457	7575097.000	60.000	ug/ml
Aliphatic C12-C16	6.458	9.848	4987010.000	40.000	ug/ml
Aliphatic C16-C21	9.849	13.207	7246870.000	60.000	ug/ml
Aliphatic C21-C28	13.208	16.862	9150736.000	80.000	ug/ml
Aliphatic C28-C40	16.863	21.712	11671078.000	120.000	ug/ml
Aliphatic EPH	3.175	21.712	40630791.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FC101124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067408.D**						
Aliphatic C9-C12	7676829.000	60.000	3.175	6.457	127947.150	128354.488	0.317
Aliphatic C12-C16	4998555.000	40.000	6.458	9.848	124963.875	130957.677	4.577
Aliphatic C16-C21	7249603.000	60.000	9.849	13.207	120826.717	131476.102	8.100
Aliphatic C21-C28	9222288.000	80.000	13.208	16.862	115278.600	126823.664	9.103
Aliphatic C28-C40	12019967.000	120.000	16.863	21.712	100166.392	105215.848	4.799
Aliphatic EPH	41167242.000	360.000	3.175	21.712	114353.450	121110.937	5.580

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	11 Oct 2024 19:42
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067408.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.175	6.457	7676829.000	60.000	ug/ml
Aliphatic C12-C16	6.458	9.848	4998555.000	40.000	ug/ml
Aliphatic C16-C21	9.849	13.207	7249603.000	60.000	ug/ml
Aliphatic C21-C28	13.208	16.862	9222288.000	80.000	ug/ml
Aliphatic C28-C40	16.863	21.712	12019967.000	120.000	ug/ml
Aliphatic EPH	3.175	21.712	41167242.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FE101224AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE050616.D**						
Aliphatic C9-C12	8023696.000	60.000	3.149	6.765	133728.267	142899.930	6.418
Aliphatic C12-C16	5383481.000	40.000	6.766	10.197	134587.025	145118.273	7.257
Aliphatic C16-C21	7961151.000	60.000	10.198	13.555	132685.850	144401.245	8.113
Aliphatic C21-C28	10130342.000	80.000	13.556	17.208	126629.275	142154.874	10.922
Aliphatic C28-C40	13834145.000	120.000	17.209	22.055	115284.542	138303.281	16.644
Aliphatic EPH	45332815.000	360.000	3.149	22.055	125924.486	141698.847	11.132

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	11 Oct 2024 12:32
Client Sample ID:		Operator:	YP\AJ
Data file:	FE050616.D	Misc:	
Instrument:	FID_E	ALS Vial:	8
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.149	6.765	8023696.000	60.000	ug/ml
Aliphatic C12-C16	6.766	10.197	5383481.000	40.000	ug/ml
Aliphatic C16-C21	10.198	13.555	7961151.000	60.000	ug/ml
Aliphatic C21-C28	13.556	17.208	10130342.000	80.000	ug/ml
Aliphatic C28-C40	17.209	22.055	13834145.000	120.000	ug/ml
Aliphatic EPH	3.149	22.055	45332815.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FE101224AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE050631.D**						
Aliphatic C9-C12	7938445.000	60.000	3.149	6.765	132307.417	142899.930	7.413
Aliphatic C12-C16	5435679.000	40.000	6.766	10.197	135891.975	145118.273	6.358
Aliphatic C16-C21	8135311.000	60.000	10.198	13.555	135588.517	144401.245	6.103
Aliphatic C21-C28	10629173.000	80.000	13.556	17.208	132864.663	142154.874	6.535
Aliphatic C28-C40	15670634.000	120.000	17.209	22.055	130588.617	138303.281	5.578
Aliphatic EPH	47809242.000	360.000	3.149	22.055	132803.450	141698.847	6.278

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	11 Oct 2024 21:34
Client Sample ID:		Operator:	YP\AJ
Data file:	FE050631.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.149	6.765	7938445.000	60.000	ug/ml
Aliphatic C12-C16	6.766	10.197	5435679.000	40.000	ug/ml
Aliphatic C16-C21	10.198	13.555	8135311.000	60.000	ug/ml
Aliphatic C21-C28	13.556	17.208	10629173.000	80.000	ug/ml
Aliphatic C28-C40	17.209	22.055	15670634.000	120.000	ug/ml
Aliphatic EPH	3.149	22.055	47809242.000	360.000	ug/ml