

LAB CHRONICLE

OrderID:	P4495	OrderDate:	10/23/2024 10:29:00 AM
Client:	Chemtech Consulting Group	Project:	NJ Soil PT
Contact:	QA Officer	Location:	QA Office, VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4495-14	PT-DIES-SOIL	SOIL			10/21/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/24/24	
			Diesel Range Organics	8015D		10/24/24	10/25/24	
P4495-15	PT-GAS-SOIL	SOIL			10/21/24			10/23/24
			Gasoline Range Organics	8015D			10/24/24	
			Gasoline Range Organics	8015D			10/30/24	
P4495-16	PT-NJEPH-SOIL	Solid			10/21/24			10/23/24
			EPH	NJEPH		10/25/24	10/28/24	
P4495-17	PT-HERB-SOIL	SOIL			10/21/24			10/23/24
			Herbicide Group1	8151A		11/14/24	11/25/24	
P4495-17RE	PT-HERB-SOILRE	SOIL			10/21/24			10/23/24
			Herbicide Group1	8151A		11/14/24	11/25/24	
P4495-18	PT-PCB-SOIL	SOIL			10/21/24			10/23/24
			PCB	8082A		10/25/24	10/25/24	
P4495-18DL	PT-PCB-SOIL DL	SOIL			10/21/24			10/23/24
			PCB	8082A		10/25/24	10/25/24	
P4495-19	PT-PCBO-SOIL	SOIL			10/21/24			10/23/24
			PCB	8082A		10/25/24	10/28/24	
P4495-19DL	PT-PCBO-SOILDL	SOIL			10/21/24			10/23/24
			PCB	8082A		10/25/24	10/28/24	
P4495-20	PT-PEST-SOIL	SOIL			10/21/24			10/23/24
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-20DL	PT-PEST-SOILDL	SOIL			10/21/24			10/23/24

LAB CHRONICLE

			PESTICIDE Group1	8081B	10/25/24	11/04/24	
P4495-20DL	PT-PEST-SOILDL2	SOIL			10/21/24		10/23/24
2							
			PESTICIDE Group1	8081B	10/25/24	11/04/24	
P4495-21	PT-CHLR-SOIL	SOIL			10/21/24		10/23/24
			PESTICIDE Group2	8081B	10/25/24	10/31/24	
P4495-22	PT-TXP-SOIL	SOIL			10/21/24		10/23/24
			PESTICIDE Group3	8081B	10/25/24	10/31/24	
P4495-22DL	PT-TXP-SOILDL	SOIL			10/21/24		10/23/24
			PESTICIDE Group3	8081B	10/25/24	10/31/24	



SAMPLE DATA

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-NJEPH-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-16	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	20.27 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/28/24 11:26	PB164396

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	177		10	5.62	14.8	mg/kg FC067537.D
Aliphatic C12-C16	Aliphatic C12-C16	429		25	8.88	24.7	mg/kg FC067538.D
Aliphatic C16-C21	Aliphatic C16-C21	370		25	11.1	37.0	mg/kg FC067538.D
Aliphatic C21-C28	Aliphatic C21-C28	54.1		5	5.92	9.87	mg/kg FC067536.D
Aliphatic C28-C40	Aliphatic C28-C40	14.7		1	2.66	2.96	mg/kg FC067535.D
Aromatic C10-C12	Aromatic C10-C12	32.8		5	2.22	4.93	mg/kg FD048599.D
Aromatic C12-C16	Aromatic C12-C16	104		5	2.52	7.40	mg/kg FD048599.D
Aromatic C16-C21	Aromatic C16-C21	193		5	7.10	12.3	mg/kg FD048599.D
Aromatic C21-C36	Aromatic C21-C36	42.3		1	2.96	3.95	mg/kg FD048598.D
Total AliphaticEPH	Total AliphaticEPH	1040			34.2	89.3	mg/kg
Total AromaticEPH	Total AromaticEPH	372			14.8	28.6	mg/kg
Total EPH	Total EPH	1420			49.0	118	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-NJEPH-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-16	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	20.27 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067535.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	180	E	0.56	1.48	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	398	E	0.36	0.99	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	352	E	0.44	1.48	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	67.8	E	1.18	1.97	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.7		2.66	2.96	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.2		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4495-16	Acq On:	28 Oct 2024 09:53
Client Sample ID:	PT-NJEPH-SOIL	Operator:	YP/AJ
Data file:	FC067535.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	3.173	6.453	247270961	1830	300	ug/ml
Aliphatic C12-C16	6.454	9.842	531469553	4040	200	ug/ml
Aliphatic C16-C21	9.843	13.200	454300268	3570	300	ug/ml
Aliphatic C21-C28	13.201	16.853	82501836	686.998	400	ug/ml
Aliphatic C28-C40	16.854	21.695	15039209	148.766	600	ug/ml
Aliphatic EPH	3.173	21.695	1330581827	10300		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.939	12.939	4988958	46.2		ug/ml
Aliphatic C9-C28	3.173	16.853	1315542618	10100	1200	ug/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-NJEPH-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-16	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	20.27 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048598.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	33.7	E	0.44	0.99	mg/kg
Aromatic C12-C16	Aromatic C12-C16	117	E	0.50	1.48	mg/kg
Aromatic C16-C21	Aromatic C16-C21	192	E	1.42	2.47	mg/kg
Aromatic C21-C36	Aromatic C21-C36	42.3		2.96	3.95	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	64.9		40 - 140	130%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	61.6		40 - 140	123%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	52.8		40 - 140	106%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4495-16	Acq On:	28 Oct 2024 10:32
Client Sample ID:	PT-NJEPH-SOIL	Operator:	YP/AJ
Data file:	FD048598.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	60142570	341.326	200	ug/ml
Aromatic C12-C16	5.813	8.417	210868072	1190	300	ug/ml
Aromatic C16-C21	8.418	12.677	319145650	1950	500	ug/ml
Aromatic C21-C36	12.678	18.081	65472370	428.728	800	ug/ml
Aromatic EPH	4.094	18.081	655628662	3910		ug/ml
ortho-Terphenyl (SURR)	11.262	11.262	8995694	52.81		ug/ml
2-Bromonaphthalene (SURR)	7.375	7.375	9843972	64.86		ug/ml
2-Flurobiphenyl (SURR)	8.227	8.227	6045437	61.57		ug/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-NJEPH-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-16DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	20.27 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067536.D	5	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	173	E	2.81	7.40	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	379	E	1.78	4.93	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	332	E	2.22	7.40	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	54.1		5.92	9.87	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.6	J	13.3	14.8	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	9.18		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4495-16DL	Acq On:	28 Oct 2024 10:32
Client Sample ID:	PT-NJEPH-SOILDL	Operator:	YP/AJ
Data file:	FC067536.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	47587922	351.281	300	ug/ml
Aliphatic C12-C16	6.454	9.842	101304429	769.313	200	ug/ml
Aliphatic C16-C21	9.843	13.200	85664540	673.278	300	ug/ml
Aliphatic C21-C28	13.201	16.853	13167389	109.646	400	ug/ml
Aliphatic C28-C40	16.854	21.695	2987023	29.547	600	ug/ml
Aliphatic EPH	3.173	21.695	250711303	1930		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	990988	9.18		ug/ml
Aliphatic C9-C28	3.173	16.853	247724280	1900	1200	ug/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-NJEPH-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-16DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	20.27 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048599.D	5	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	32.8		2.22	4.93	mg/kg
Aromatic C12-C16	Aromatic C12-C16	104		2.52	7.40	mg/kg
Aromatic C16-C21	Aromatic C16-C21	193		7.10	12.3	mg/kg
Aromatic C21-C36	Aromatic C21-C36	47.4		14.8	19.7	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	12.3		40 - 140	123%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	11.4		40 - 140	114%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	9.75		40 - 140	98%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4495-16DL	Acq On:	28 Oct 2024 11:26
Client Sample ID:	PT-NJEPH-SOILDL	Operator:	YP/AJ
Data file:	FD048599.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	11706057	66.435	200	ug/ml
Aromatic C12-C16	5.813	8.417	37597222	212.086	300	ug/ml
Aromatic C16-C21	8.418	12.677	64233129	392.066	500	ug/ml
Aromatic C21-C36	12.678	18.081	14679323	96.124	800	ug/ml
Aromatic EPH	4.094	18.081	128215731	766.71		ug/ml
ortho-Terphenyl (SURR)	11.253	11.253	1661344	9.75		ug/ml
2-Bromonaphthalene (SURR)	7.369	7.369	1872166	12.33		ug/ml
2-Fluorobiphenyl (SURR)	8.220	8.220	1114983	11.36		ug/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-NJEPH-SOILDL2	SDG No.:	P4495
Lab Sample ID:	P4495-16DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	20.27 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067537.D	10	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	177		5.62	14.8	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	388	E	3.55	9.87	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	345	E	4.44	14.8	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	51.6		11.8	19.7	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.8	J	26.6	29.6	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	4.75		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4495-16DL2	Acq On:	28 Oct 2024 11:26
Client Sample ID:	PT-NJEPH-SOILDL2	Operator:	YP/AJ
Data file:	FC067537.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	24358182	179.805	300	ug/ml
Aliphatic C12-C16	6.454	9.842	51887370	394.036	200	ug/ml
Aliphatic C16-C21	9.843	13.200	44514669	349.862	300	ug/ml
Aliphatic C21-C28	13.201	16.853	6278967	52.285	400	ug/ml
Aliphatic C28-C40	16.854	21.695	1306494	12.924	600	ug/ml
Aliphatic EPH	3.173	21.695	128345682	988.912		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.933	12.933	512964	4.75		ug/ml
Aliphatic C9-C28	3.173	16.853	127039188	975.988	1200	ug/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-NJEPH-SOILDL3	SDG No.:	P4495
Lab Sample ID:	P4495-16DL3	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	20.27 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067538.D	25	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	199		14.1	37.0	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	429		8.88	24.7	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	370		11.1	37.0	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	55.0		29.6	49.3	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	66.6	U	66.6	74.0	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	1.82		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4495-16DL3	Acq On:	28 Oct 2024 12:03
Client Sample ID:	PT-NJEPH-SOILDL3	Operator:	YP/AJ
Data file:	FC067538.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	25	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	10951153	80.838	300	ug/ml
Aliphatic C12-C16	6.454	9.842	22931374	174.142	200	ug/ml
Aliphatic C16-C21	9.843	13.200	19110771	150.2	300	ug/ml
Aliphatic C21-C28	13.201	16.853	2677131	22.293	400	ug/ml
Aliphatic C28-C40	16.854	21.695	612933	6.063	600	ug/ml
Aliphatic EPH	3.173	21.695	56283362	433.537		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	196940	1.82		ug/ml
Aliphatic C9-C28	3.173	16.853	55670429	427.473	1200	ug/ml



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: CHEM02
Lab Code: CHEM CASE No.: P4495 SAS No.: P4495 SDG No.: P4495
Run Number: FC102824AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PT-NJEPH-SOIL	92			0
PT-NJEPH-SOILDL	92			0
PT-NJEPH-SOILDL2	95			0
PT-NJEPH-SOILDL3	91			0
EX-5-TPH-5MS	81			0
EX-5-TPH-5MSD	76			0
PB164396BL	78			0
PB164396BS	61			0
PB164396BSD	67			0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: CHEM02
Lab Code: CHEM CASE No.: P4495 SAS No.: P4495 SDG No.: P4495
Run Number: FD102824AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PT-NJEPH-SOIL	130	123	106	0
PT-NJEPH-SOILDL	123	114	98	0
EX-5-TPH-5MS	128	117	71	0
EX-5-TPH-5MSD	125	114	71	0
PB164396BL	104	101	90	0
PB164396BS	98	100	80	0
PB164396BSD	101	104	83	0

QC LIMITS

2-Bromonaphthalene (SURR) (40-140)
2-Flurobiphenyl (SURR) (40-140)
ortho-Terphenyl (SURR) (40-140)

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

SOIL EPH SURROGATE RECOVERY

A
B
C
D
E
F

QC LIMITS

2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Chemtech Consulting Group
Lab Code: CHEM **Cas No:** P4495 **SAS No :** P4495 **SDG No:** P4495
Sample No : P4518-05MS **Datafile:** FC067546.D
Client ID : EX-5-TPH-5MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	13.5	23.2	42.9	145	*	(40-140)
Aliphatic C12-C16	9.0	184	268	921	*	(40-140)
Aliphatic C16-C21	13.5	200	304	762	*	(40-140)
Aliphatic C21-C28	18.0	36.9	105	377	*	(40-140)
Aliphatic C28-C40	27.0	38.9	126	321	*	(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Chemtech Consulting Group
Lab Code: CHEM **Cas No:** P4495 **SAS No :** P4495 **SDG No:** P4495
Sample No : P4518-05MSD **Datafile:** FC067547.D
Client ID : EX-5-TPH-5MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS QC Limit Of RPD
Aliphatic C9-C12	13.5	23.2	42.2	140	*	3.51 (40-140) 25
Aliphatic C12-C16	9.0	184	262	856	*	7.32 (40-140) 25
Aliphatic C16-C21	13.5	200	302	748	*	1.85 (40-140) 25
Aliphatic C21-C28	18.0	36.9	100	350	*	7.43 (40-140) 25
Aliphatic C28-C40	27.0	38.9	122	307	*	4.46 (40-140) 25

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Chemtech Consulting Group
Lab Code: CHEM **Cas No:** P4495 **SAS No :** P4495 **SDG No:** P4495
Sample No : P4518-05MS **Datafile:** FD048607.D
Client ID : EX-5-TPH-5MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	9.0	4.94	15.4	116		(40-140)
Aromatic C12-C16	13.5	55.1	85.4	223	*	(40-140)
Aromatic C16-C21	22.5	191	255	281	*	(40-140)
Aromatic C21-C36	36.1	40.5	90.4	138		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Chemtech Consulting Group
Lab Code: CHEM **Cas No:** P4495 **SAS No :** P4495 **SDG No:** P4495
Sample No : P4518-05MSD **Datafile:** FD048608.D
Client ID : EX-5-TPH-5MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS QC Limit Of RPD
Aromatic C10-C12	9.0	4.94	15.1	112		3.51 (40-140) 25
Aromatic C12-C16	13.5	55.1	79.5	180	*	21.3 (40-140) 25
Aromatic C16-C21	22.5	191	254	277	*	1.43 (40-140) 25
Aromatic C21-C36	36.0	40.5	86.6	127		8.3 (40-140) 25

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Chemtech Consulting Group
Lab Code: CHEM **Cas No:** P4495 **SAS No :** P4495 **SDG No:** P4495
Sample No : PB164396BS **Datafile:** FC067543.D
Client ID : PB164396BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	5.70	57		(40-140)
Aliphatic C12-C16	6.7	5.41	81		(40-140)
Aliphatic C16-C21	10	9.37	94		(40-140)
Aliphatic C21-C28	13.3	12.7	95		(40-140)
Aliphatic C28-C40	20.0	22.7	113		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Chemtech Consulting Group
Lab Code: CHEM **Cas No:** P4495 **SAS No :** P4495 **SDG No:** P4495
Sample No : PB164396BSD **Datafile:** FC067544.D
Client ID : PB164396BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	5.66	57		0.813 (40-140)	50
Aliphatic C12-C16	6.7	5.38	81		0.551 (40-140)	50
Aliphatic C16-C21	10	9.32	93		0.575 (40-140)	50
Aliphatic C21-C28	13.3	12.6	95		0.776 (40-140)	50
Aliphatic C28-C40	20.0	22.6	113		0.06 (40-140)	50

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Chemtech Consulting Group
Lab Code: CHEM **Cas No:** P4495 **SAS No :** P4495 **SDG No:** P4495
Sample No : PB164396BS **Datafile:** FD048604.D
Client ID : PB164396BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	4.85	73		(40-140)
Aromatic C12-C16	10	8.24	82		(40-140)
Aromatic C16-C21	16.7	17.6	105		(40-140)
Aromatic C21-C36	26.6	26.4	99		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Chemtech Consulting Group
Lab Code: CHEM **Cas No:** P4495 **SAS No :** P4495 **SDG No:** P4495
Sample No : PB164396BSD **Datafile:** FD048605.D
Client ID : PB164396BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	5.03	76		3.6 (40-140)	50
Aromatic C12-C16	10	8.57	86		3.9 (40-140)	50
Aromatic C16-C21	16.7	18.3	109		4.5 (40-140)	50
Aromatic C21-C36	26.6	27.3	102		3.3 (40-140)	50

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164396BL

Lab Name: CHEMTECH

Contract: CHEM02

Lab Code: CHEM Case No.: P4495

SAS No.: P4495 SDG NO.: P4495

Instrument ID: FID_C

Lab Sample ID: PB164396BL

Matrix: (soil/water) Solid

Date Extracted: 10/25/2024 9:05:00

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB164396BS	PB164396BS
PB164396BSD	PB164396BSD
PT-NJEPH-SOIL	P4495-16
EX-5-TPH-5MS	P4518-05MS
EX-5-TPH-5MSD	P4518-05MSD

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	PB164396BL		SDG No.:	P4495
Lab Sample ID:	PB164396BL		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		uL	Test:	EPH
Prep Method :				

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/28/24 14:32	PB164396

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.38	U	1	0.38	1.00	mg/kg	FC067542.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FC067542.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FC067542.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FC067542.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC067542.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FD048603.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FD048603.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FD048603.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.67	mg/kg	FD048603.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.60	U		3.60	6.01	mg/kg	
Total EPH	Total EPH	7.12	U		7.12	12.0	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	PB164396BL		SDG No.:	P4495
Lab Sample ID:	PB164396BL		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		uL	Test:	EPH
Prep Method :				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067542.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.38	U	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164396BL	Acq On:	28 Oct 2024 14:32
Client Sample ID:	PB164396BL	Operator:	YP/AJ
Data file:	FC067542.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	0	0	300	ug/ml
Aliphatic C12-C16	6.454	9.842	0	0	200	ug/ml
Aliphatic C16-C21	9.843	13.200	0	0	300	ug/ml
Aliphatic C21-C28	13.201	16.853	0	0	400	ug/ml
Aliphatic C28-C40	16.854	21.695	0	0	600	ug/ml
Aliphatic EPH	3.173	21.695	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.932	12.932	4211764	39		ug/ml
Aliphatic C9-C28	3.173	16.853	0	0	1200	ug/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164396BL	SDG No.:	P4495
Lab Sample ID:	PB164396BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048603.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.30	U	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.34	U	0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.96	U	0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.00	U	2.00	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.0		40 - 140	104%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	50.4		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.9		40 - 140	90%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164396BL	Acq On:	28 Oct 2024 13:55
Client Sample ID:	PB164396BL	Operator:	YP/AJ
Data file:	FD048603.D	Misc:	
Instrument:	FID_D	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	0	0	200	ug/ml
Aromatic C12-C16	5.813	8.417	0	0	300	ug/ml
Aromatic C16-C21	8.418	12.677	0	0	500	ug/ml
Aromatic C21-C36	12.678	18.081	0	0	800	ug/ml
Aromatic EPH	4.094	18.081	0	0		ug/ml
ortho-Terphenyl (SURR)	11.258	11.258	7644072	44.88		ug/ml
2-Bromonaphthalene (SURR)	7.373	7.373	7892901	52		ug/ml
2-Fluorobiphenyl (SURR)	8.221	8.221	4953164	50.44		ug/ml

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	PB164396BS		SDG No.:	P4495
Lab Sample ID:	PB164396BS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		uL	Test:	EPH
Prep Method :				

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/28/24 15:08	PB164396

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.70		1	0.38	1.00	mg/kg FC067543.D
Aliphatic C12-C16	Aliphatic C12-C16	5.41		1	0.24	0.67	mg/kg FC067543.D
Aliphatic C16-C21	Aliphatic C16-C21	9.37		1	0.30	1.00	mg/kg FC067543.D
Aliphatic C21-C28	Aliphatic C21-C28	12.7		1	0.80	1.33	mg/kg FC067543.D
Aliphatic C28-C40	Aliphatic C28-C40	22.7		1	1.80	2.00	mg/kg FC067543.D
Aromatic C10-C12	Aromatic C10-C12	4.85		1	0.30	0.67	mg/kg FD048604.D
Aromatic C12-C16	Aromatic C12-C16	8.24		1	0.34	1.00	mg/kg FD048604.D
Aromatic C16-C21	Aromatic C16-C21	17.6		1	0.96	1.67	mg/kg FD048604.D
Aromatic C21-C36	Aromatic C21-C36	26.4		1	2.00	2.66	mg/kg FD048604.D
Total AliphaticEPH	Total AliphaticEPH	55.9			3.52	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	57.1			3.60	6.00	mg/kg
Total EPH	Total EPH	113			7.12	12.0	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164396BS	SDG No.:	P4495
Lab Sample ID:	PB164396BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067543.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.70		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.41		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.37		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.7		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.7		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.6		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164396BS	Acq On:	28 Oct 2024 15:08
Client Sample ID:	PB164396BS	Operator:	YP/AJ
Data file:	FC067543.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	11602133	85.644	300	ug/ml
Aliphatic C12-C16	6.454	9.842	10695713	81.224	200	ug/ml
Aliphatic C16-C21	9.843	13.200	17892667	140.627	300	ug/ml
Aliphatic C21-C28	13.201	16.853	22932840	190.963	400	ug/ml
Aliphatic C28-C40	16.854	21.695	34400430	340.284	600	ug/ml
Aliphatic EPH	3.173	21.695	97523783	838.742		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.932	12.932	3308795	30.64		ug/ml
Aliphatic C9-C28	3.173	16.853	63123353	498.458	1200	ug/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164396BS	SDG No.:	P4495
Lab Sample ID:	PB164396BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048604.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.85		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.24		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	17.6		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	26.4		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	48.8		40 - 140	98%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	49.8		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.1		40 - 140	80%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164396BS	Acq On:	28 Oct 2024 14:32
Client Sample ID:	PB164396BS	Operator:	YP/AJ
Data file:	FD048604.D	Misc:	
Instrument:	FID_D	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	12825233	72.787	200	ug/ml
Aromatic C12-C16	5.813	8.417	21934412	123.732	300	ug/ml
Aromatic C16-C21	8.418	12.677	43230256	263.869	500	ug/ml
Aromatic C21-C36	12.678	18.081	60433780	395.734	800	ug/ml
Aromatic EPH	4.094	18.081	138423681	856.121		ug/ml
ortho-Terphenyl (SURR)	11.258	11.258	6830259	40.1		ug/ml
2-Bromonaphthalene (SURR)	7.372	7.372	7402684	48.77		ug/ml
2-Flurobiphenyl (SURR)	8.222	8.222	4892407	49.82		ug/ml

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	PB164396BSD		SDG No.:	P4495
Lab Sample ID:	PB164396BSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		uL	Test:	EPH
Prep Method :				

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/28/24 15:50	PB164396

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.66		1	0.38	1.00	mg/kg FC067544.D
Aliphatic C12-C16	Aliphatic C12-C16	5.38		1	0.24	0.67	mg/kg FC067544.D
Aliphatic C16-C21	Aliphatic C16-C21	9.32		1	0.30	1.00	mg/kg FC067544.D
Aliphatic C21-C28	Aliphatic C21-C28	12.6		1	0.80	1.33	mg/kg FC067544.D
Aliphatic C28-C40	Aliphatic C28-C40	22.6		1	1.80	2.00	mg/kg FC067544.D
Aromatic C10-C12	Aromatic C10-C12	5.03		1	0.30	0.67	mg/kg FD048605.D
Aromatic C12-C16	Aromatic C12-C16	8.57		1	0.34	1.00	mg/kg FD048605.D
Aromatic C16-C21	Aromatic C16-C21	18.3		1	0.96	1.67	mg/kg FD048605.D
Aromatic C21-C36	Aromatic C21-C36	27.3		1	2.00	2.66	mg/kg FD048605.D
Total AliphaticEPH	Total AliphaticEPH	55.6			3.52	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	59.2			3.60	6.00	mg/kg
Total EPH	Total EPH	115			7.12	12.0	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164396BSD	SDG No.:	P4495
Lab Sample ID:	PB164396BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067544.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.66		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.38		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.32		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.6		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.6		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.3		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164396BSD	Acq On:	28 Oct 2024 15:50
Client Sample ID:	PB164396BSD	Operator:	YP/AJ
Data file:	FC067544.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	11516872	85.014	300	ug/ml
Aliphatic C12-C16	6.454	9.842	10628641	80.715	200	ug/ml
Aliphatic C16-C21	9.843	13.200	17799805	139.897	300	ug/ml
Aliphatic C21-C28	13.201	16.853	22770349	189.61	400	ug/ml
Aliphatic C28-C40	16.854	21.695	34307411	339.364	600	ug/ml
Aliphatic EPH	3.173	21.695	97023078	834.6		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.934	12.934	3597357	33.31		ug/ml
Aliphatic C9-C28	3.173	16.853	62715667	495.236	1200	ug/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164396BSD	SDG No.:	P4495
Lab Sample ID:	PB164396BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048605.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.03		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.57		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	18.3		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	27.3		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.7		40 - 140	101%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	51.9		40 - 140	104%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.7		40 - 140	83%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164396BSD	Acq On:	28 Oct 2024 15:08
Client Sample ID:	PB164396BSD	Operator:	YP/AJ
Data file:	FD048605.D	Misc:	
Instrument:	FID_D	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	13302714	75.497	200	ug/ml
Aromatic C12-C16	5.813	8.417	22794499	128.584	300	ug/ml
Aromatic C16-C21	8.418	12.677	44933158	274.263	500	ug/ml
Aromatic C21-C36	12.678	18.081	62657164	410.293	800	ug/ml
Aromatic EPH	4.094	18.081	143687535	888.636		ug/ml
ortho-Terphenyl (SURR)	11.258	11.258	7098045	41.67		ug/ml
2-Bromonaphthalene (SURR)	7.372	7.372	7693298	50.69		ug/ml
2-Flurobiphenyl (SURR)	8.222	8.222	5094272	51.88		ug/ml

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	EX-5-TPH-5MS		SDG No.:	P4495
Lab Sample ID:	P4518-05MS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	73.9
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		uL	Test:	EPH
Prep Method :				

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/28/24 17:03	PB164396

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	42.9	E	1	0.51	1.35	mg/kg	FC067546.D
Aliphatic C12-C16	Aliphatic C12-C16	268	E	1	0.33	0.90	mg/kg	FC067546.D
Aliphatic C16-C21	Aliphatic C16-C21	304	E	1	0.41	1.35	mg/kg	FC067546.D
Aliphatic C21-C28	Aliphatic C21-C28	105	E	1	1.08	1.80	mg/kg	FC067546.D
Aliphatic C28-C40	Aliphatic C28-C40	126	E	1	2.43	2.70	mg/kg	FC067546.D
Aromatic C10-C12	Aromatic C10-C12	15.4		1	0.41	0.90	mg/kg	FD048607.D
Aromatic C12-C16	Aromatic C12-C16	85.4	E	1	0.46	1.35	mg/kg	FD048607.D
Aromatic C16-C21	Aromatic C16-C21	255	E	1	1.30	2.25	mg/kg	FD048607.D
Aromatic C21-C36	Aromatic C21-C36	90.4	E	1	2.70	3.61	mg/kg	FD048607.D
Total AliphaticEPH	Total AliphaticEPH	846			4.75	8.10	mg/kg	
Total AromaticEPH	Total AromaticEPH	446			4.87	8.11	mg/kg	
Total EPH	Total EPH	1290			9.62	16.2	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	EX-5-TPH-5MS		SDG No.:	P4495
Lab Sample ID:	P4518-05MS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	73.9
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		uL	Test:	EPH
Prep Method :				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067546.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	42.9	E	0.51	1.35	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	268	E	0.33	0.90	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	304	E	0.41	1.35	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	105	E	1.08	1.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	126	E	2.43	2.70	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.3		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-05MS	Acq On:	28 Oct 2024 17:03
Client Sample ID:	P4518-05MS	Operator:	YP/AJ
Data file:	FC067546.D	Misc:	
Instrument:	FID_C	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	64451302	475.762	300	ug/ml
Aliphatic C12-C16	6.454	9.842	392480875	2980	200	ug/ml
Aliphatic C16-C21	9.843	13.200	430197990	3380	300	ug/ml
Aliphatic C21-C28	13.201	16.853	141128618	1180	400	ug/ml
Aliphatic C28-C40	16.854	21.695	142127853	1410	600	ug/ml
Aliphatic EPH	3.173	21.695	1170386638	9420		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.937	12.937	4355427	40.33		ug/ml
Aliphatic C9-C28	3.173	16.853	1028258785	8010	1200	ug/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	EX-5-TPH-5MS	SDG No.:	P4495
Lab Sample ID:	P4518-05MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	73.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048607.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	15.4		0.41	0.90	mg/kg
Aromatic C12-C16	Aromatic C12-C16	85.4	E	0.46	1.35	mg/kg
Aromatic C16-C21	Aromatic C16-C21	255	E	1.30	2.25	mg/kg
Aromatic C21-C36	Aromatic C21-C36	90.4	E	2.70	3.61	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	63.9		40 - 140	128%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	58.4		40 - 140	117%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.6		40 - 140	71%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-05MS	Acq On:	28 Oct 2024 16:27
Client Sample ID:	P4518-05MS	Operator:	YP/AJ
Data file:	FD048607.D	Misc:	
Instrument:	FID_D	ALS Vial:	70
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	30113921	170.905	200	ug/ml
Aromatic C12-C16	5.813	8.417	167837858	946.774	300	ug/ml
Aromatic C16-C21	8.418	12.677	464910174	2840	500	ug/ml
Aromatic C21-C36	12.678	18.081	153097075	1000	800	ug/ml
Aromatic EPH	4.094	18.081	815959028	4960		ug/ml
2-Bromonaphthalene (SURR)	7.374	7.374	9693084	63.86		ug/ml
2-Fluorobiphenyl (SURR)	8.226	8.226	5737547	58.43		ug/ml
ortho-Terphenyl (SURR)	11.263	11.263	6064486	35.6		ug/ml

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	EX-5-TPH-5MSD		SDG No.:	P4495
Lab Sample ID:	P4518-05MSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	73.9
Sample Wt/Vol:	30.06	Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		uL	Test:	EPH
Prep Method :				

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/28/24 17:39	PB164396

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	42.2	E	1	0.51	1.35	mg/kg	FC067547.D
Aliphatic C12-C16	Aliphatic C12-C16	262	E	1	0.32	0.90	mg/kg	FC067547.D
Aliphatic C16-C21	Aliphatic C16-C21	302	E	1	0.41	1.35	mg/kg	FC067547.D
Aliphatic C21-C28	Aliphatic C21-C28	100	E	1	1.08	1.80	mg/kg	FC067547.D
Aliphatic C28-C40	Aliphatic C28-C40	122	E	1	2.43	2.70	mg/kg	FC067547.D
Aromatic C10-C12	Aromatic C10-C12	15.1		1	0.41	0.90	mg/kg	FD048608.D
Aromatic C12-C16	Aromatic C12-C16	79.5	E	1	0.46	1.35	mg/kg	FD048608.D
Aromatic C16-C21	Aromatic C16-C21	254	E	1	1.30	2.25	mg/kg	FD048608.D
Aromatic C21-C36	Aromatic C21-C36	86.6	E	1	2.70	3.60	mg/kg	FD048608.D
Total AliphaticEPH	Total AliphaticEPH	828			4.75	8.10	mg/kg	
Total AromaticEPH	Total AromaticEPH	435			4.86	8.10	mg/kg	
Total EPH	Total EPH	1260			9.62	16.2	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	EX-5-TPH-5MSD	SDG No.:	P4495
Lab Sample ID:	P4518-05MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	73.9
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067547.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	42.2	E	0.51	1.35	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	262	E	0.32	0.90	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	302	E	0.41	1.35	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	100	E	1.08	1.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	122	E	2.43	2.70	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.8		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-05MSD	Acq On:	28 Oct 2024 17:39
Client Sample ID:	P4518-05MSD	Operator:	YP/AJ
Data file:	FC067547.D	Misc:	
Instrument:	FID_C	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	63511167	468.822	300	ug/ml
Aliphatic C12-C16	6.454	9.842	384430343	2920	200	ug/ml
Aliphatic C16-C21	9.843	13.200	427089084	3360	300	ug/ml
Aliphatic C21-C28	13.201	16.853	134471664	1120	400	ug/ml
Aliphatic C28-C40	16.854	21.695	137232553	1360	600	ug/ml
Aliphatic EPH	3.173	21.695	1146734811	9220		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.936	12.936	4079872	37.78		ug/ml
Aliphatic C9-C28	3.173	16.853	1009502258	7860	1200	ug/ml

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	EX-5-TPH-5MSD	SDG No.:	P4495
Lab Sample ID:	P4518-05MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	73.9
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048608.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	15.1		0.41	0.90	mg/kg
Aromatic C12-C16	Aromatic C12-C16	79.5	E	0.46	1.35	mg/kg
Aromatic C16-C21	Aromatic C16-C21	254	E	1.30	2.25	mg/kg
Aromatic C21-C36	Aromatic C21-C36	86.6	E	2.70	3.60	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	62.5		40 - 140	125%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	57.0		40 - 140	114%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.3		40 - 140	71%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-05MSD	Acq On:	28 Oct 2024 17:03
Client Sample ID:	P4518-05MSD	Operator:	YP/AJ
Data file:	FD048608.D	Misc:	
Instrument:	FID_D	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	29643175	168.233	200	ug/ml
Aromatic C12-C16	5.813	8.417	156572049	883.223	300	ug/ml
Aromatic C16-C21	8.418	12.677	463474069	2830	500	ug/ml
Aromatic C21-C36	12.678	18.081	146950935	962.268	800	ug/ml
Aromatic EPH	4.094	18.081	796640228	4840		ug/ml
2-Bromonaphthalene (SURRE)	7.374	7.374	9478602	62.45		ug/ml
2-Fluorobiphenyl (SURRE)	8.227	8.227	5592057	56.95		ug/ml
ortho-Terphenyl (SURRE)	11.263	11.263	6010687	35.29		ug/ml



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC102324AL

AreaCount

Parameter Range	FC067506.D	FC067507.D	FC067508.D	FC067509.D	FC067510.D	
Aliphatic C9-C12	39022992.000	19933185.000	8061570.000	4198329.000	2101198.000	
Aliphatic C12-C16	25467967.000	12990634.000	5208245.000	2702045.000	1358541.000	
Aliphatic C16-C21	36713606.000	18782701.000	7526010.000	3934678.000	1979840.000	
Aliphatic C21-C28	45946180.000	23609090.000	9458827.000	4951672.000	2510279.000	
Aliphatic C28-C40	56250650.000	29316600.000	11954663.000	6283522.000	3289360.000	
Aliphatic EPH	203401395.000	104632210.000	42209315.000	22070246.000	11239218.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	135469.6413332	3.265				
Aliphatic C12-C16	131681.73	2.772				
Aliphatic C16-C21	127235.0919996	3.261				
Aliphatic C21-C28	120090.3975	3.678				
Aliphatic C28-C40	101093.1949996	6.133				
Aliphatic EPH	118799.912222	4.081				

Concentration

Parameter Range	FC067506.D	FC067507.D	FC067508.D	FC067509.D	FC067510.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	FC067506.D	FC067507.D	FC067508.D	FC067509.D	FC067510.D	
Aliphatic C9-C12	130076.640000	132887.900000	134359.500000	139944.300000	140079.866666	
Aliphatic C12-C16	127339.835000	129906.340000	130206.125000	135102.250000	135854.100000	
Aliphatic C16-C21	122378.686666	125218.006666	125433.500000	131155.933333	131989.333333	

Initial Calibration Report for SequenceID : FC102324AL

Aliphatic C21-C28	114865.450000	118045.450000	118235.337500	123791.800000	125513.950000	
Aliphatic C28-C40	93751.083333	97722.000000	99622.191666	104725.366666	109645.333333	
Aliphatic EPH	113000.775000	116258.011111	117248.097222	122612.477777	124880.200000	

Lab Sample ID: 100 PPM ALIPHATIC HC

Acq On: 23 Oct 2024 15:12

Client Sample ID:

Operator: YP/AJ

Data file: FC067506.D

Misc:

Instrument: FID_C

ALS Vial: 11

Dilution Factor: 1

Sample Multiplier: 1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.174	6.454	39022992.000	300.000	ug/ml
Aliphatic C12-C16	6.455	9.845	25467967.000	200.000	ug/ml
Aliphatic C16-C21	9.846	13.203	36713606.000	300.000	ug/ml
Aliphatic C21-C28	13.204	16.858	45946180.000	400.000	ug/ml
Aliphatic C28-C40	16.859	21.704	56250650.000	600.000	ug/ml
Aliphatic EPH	3.174		203401395.000	1800.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F102324AL\
 Data File : FC067506.D
 Signal(s) : FID1A.ch
 Acq On : 23 Oct 2024 15:12
 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 23 17:19:34 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 17:19:01 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)	11.506	14037783	98.632 ug/ml
Spiked Amount 50.000		Recovery =	197.26%
12) S 1-chlorooctadecane (S...	12.941	10490435	99.221 ug/ml
Spiked Amount 50.000		Recovery =	198.44%
Target Compounds			
1) T n-Nonane (C9)	3.278	12920314	98.296 ug/ml
2) T n-Decane (C10)	4.343	13085907	98.393 ug/ml
3) T A~Naphthalene (C11.7)	5.922	14394132	98.923 ug/ml
4) T n-Dodecane (C12)	6.360	13016771	98.452 ug/ml
5) T A~2-methylnaphthalene...	6.979	13836866	99.334 ug/ml
6) T n-Tetradecane (C14)	8.152	12659193	98.737 ug/ml
7) T n-Hexadecane (C16)	9.751	12808774	99.036 ug/ml
8) T n-Octadecane (C18)	11.193	12738874	98.786 ug/ml
10) T n-Eicosane (C20)	12.499	12105735	98.678 ug/ml
11) T n-Heneicosane (C21)	13.110	11868997	98.838 ug/ml
13) T n-Docosane (C22)	13.695	11751176	98.736 ug/ml
14) T n-Tetracosane (C24)	14.797	11637443	98.776 ug/ml
15) T n-Hexacosane (C26)	15.816	11410589	98.652 ug/ml
16) T n-Octacosane (C28)	16.765	11146972	98.035 ug/ml
17) T n-Tricontane (C30)	17.651	11224678	97.103 ug/ml
18) T n-Dotriacontane (C32)	18.483	10806351	96.387 ug/ml
19) T n-Tetratriacontane (C34)	19.263	9619727	96.453 ug/ml
20) T n-Hexatriacontane (C36)	20.002	8494635	97.259 ug/ml
21) T n-Octatriacontane (C38)	20.726	8112623	97.297 ug/ml
22) T n-Tetracontane (C40)	21.614	7992636	97.524 ug/ml

(f)=RT Delta > 1/2 Window

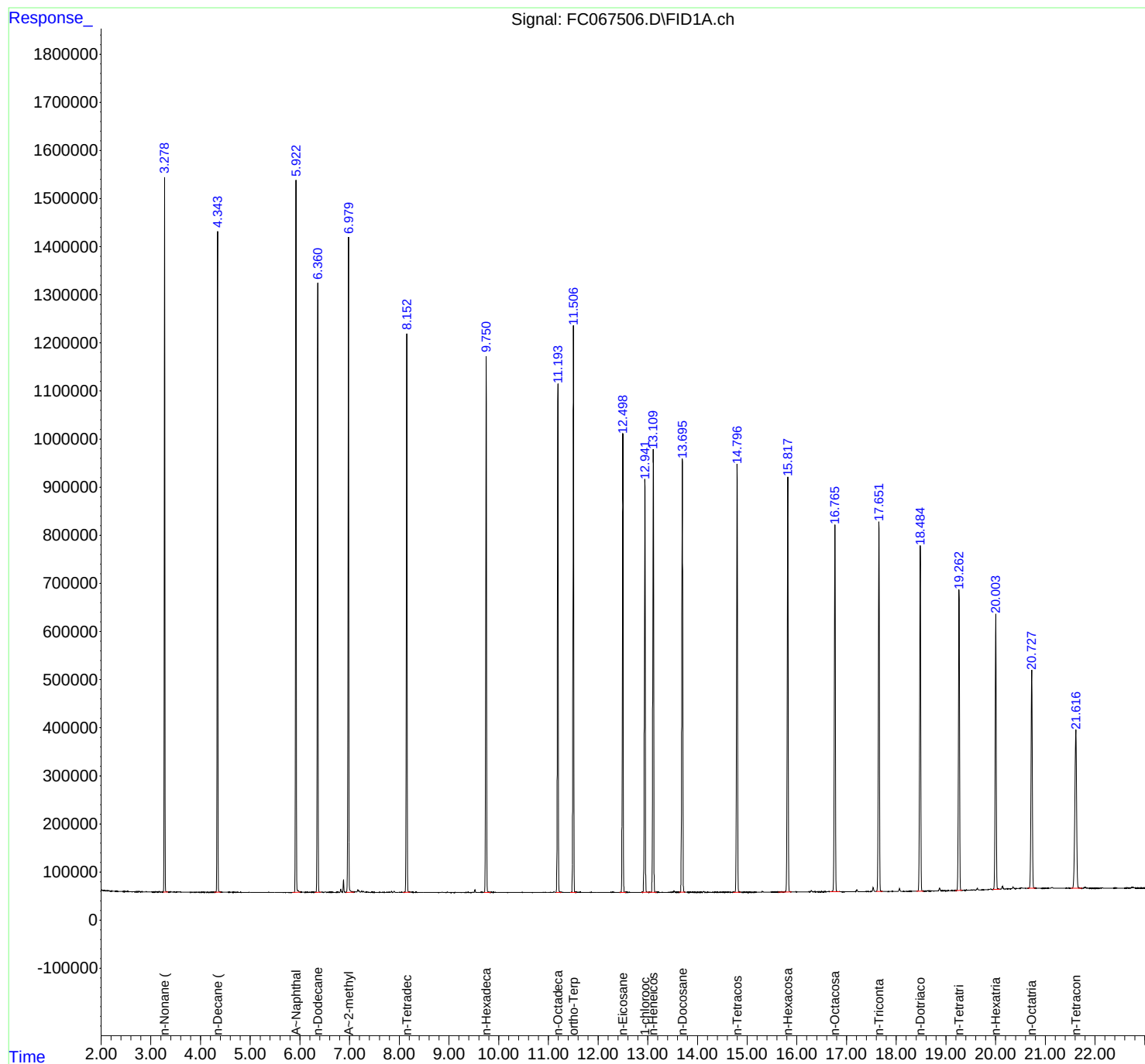
(m)=manual int.

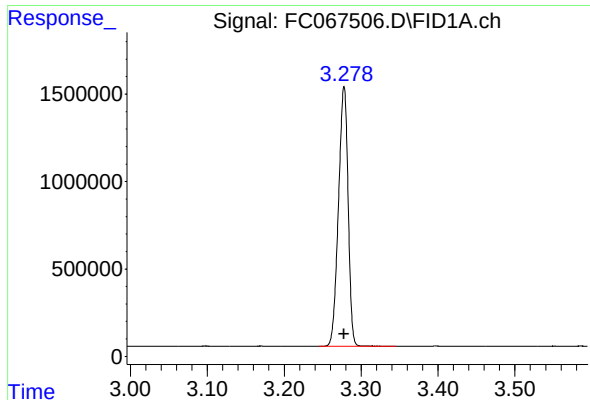
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067506.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:12
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 23 17:19:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

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

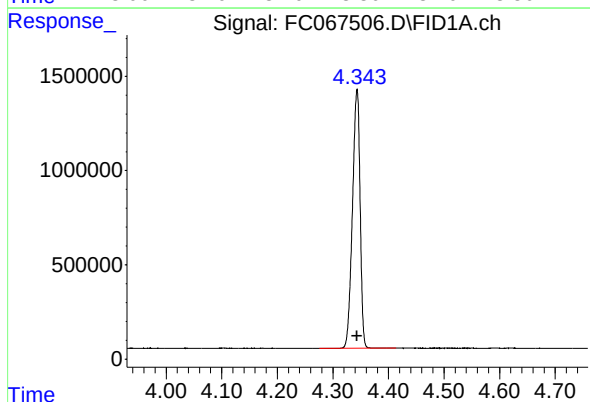




#1 n-Nonane (C9)

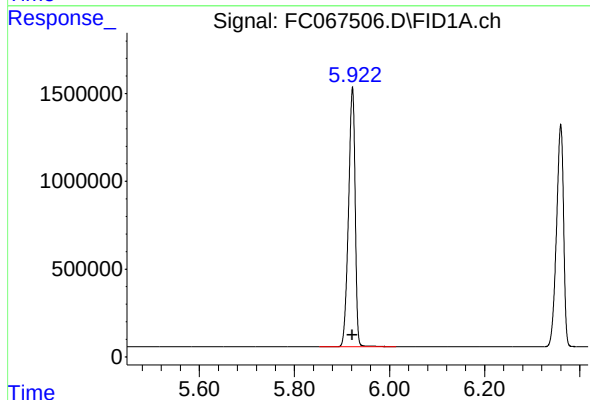
R.T.: 3.278 min
Delta R.T.: 0.000 min
Response: 12920314
Conc: 98.30 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



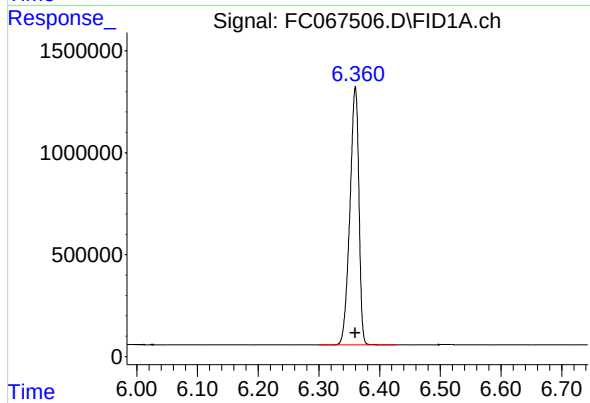
#2 n-Decane (C10)

R.T.: 4.343 min
Delta R.T.: 0.000 min
Response: 13085907
Conc: 98.39 ug/ml



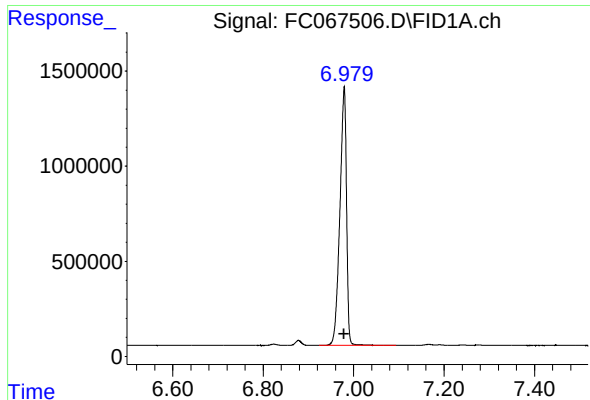
#3 A~Naphthalene (C11.7)

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 14394132
Conc: 98.92 ug/ml



#4 n-Dodecane (C12)

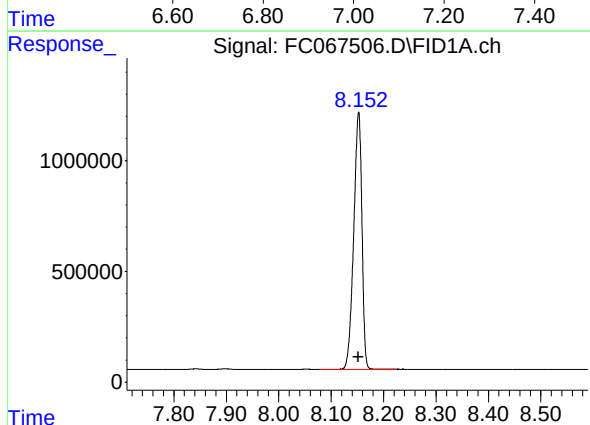
R.T.: 6.360 min
Delta R.T.: 0.000 min
Response: 13016771
Conc: 98.45 ug/ml



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

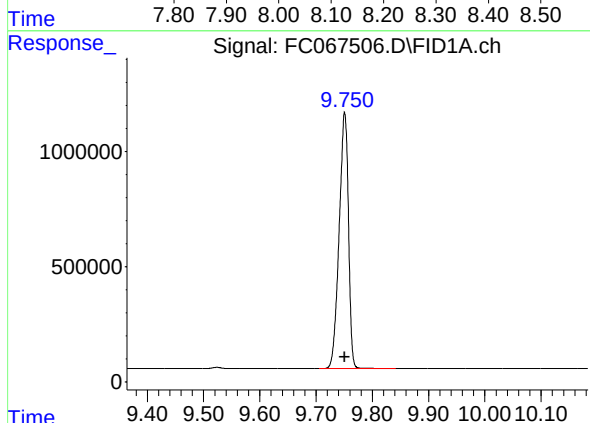
R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 13836866
Conc: 99.33 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



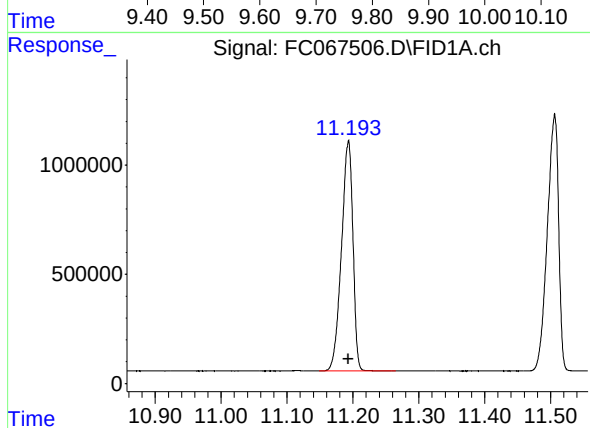
#6 n-Tetradecane (C14)

R.T.: 8.152 min
Delta R.T.: 0.000 min
Response: 12659193
Conc: 98.74 ug/ml



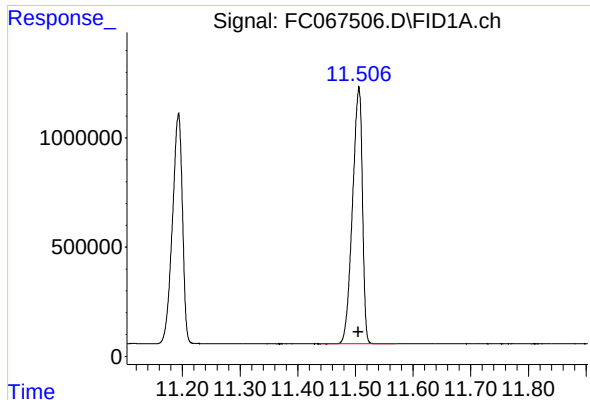
#7 n-Hexadecane (C16)

R.T.: 9.751 min
Delta R.T.: 0.000 min
Response: 12808774
Conc: 99.04 ug/ml



#8 n-Octadecane (C18)

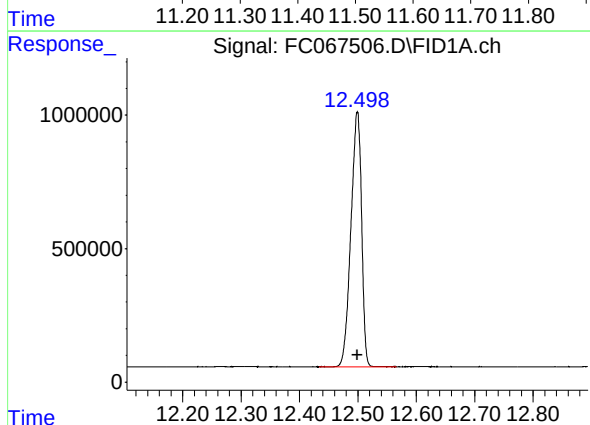
R.T.: 11.193 min
Delta R.T.: 0.000 min
Response: 12738874
Conc: 98.79 ug/ml



#9 ortho-Terphenyl (SURR)

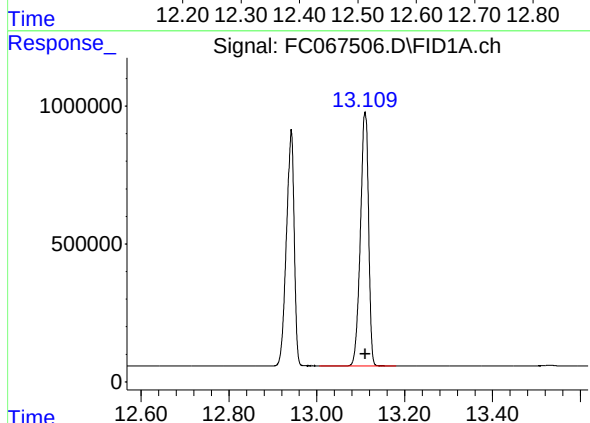
R.T.: 11.506 min
Delta R.T.: 0.000 min
Response: 14037783
Conc: 98.63 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



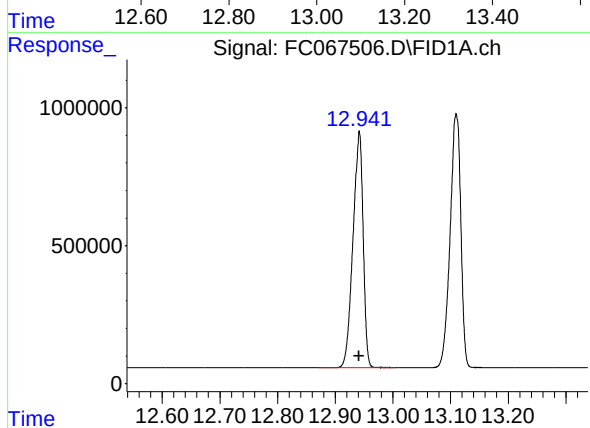
#10 n-Eicosane (C20)

R.T.: 12.499 min
Delta R.T.: 0.000 min
Response: 12105735
Conc: 98.68 ug/ml



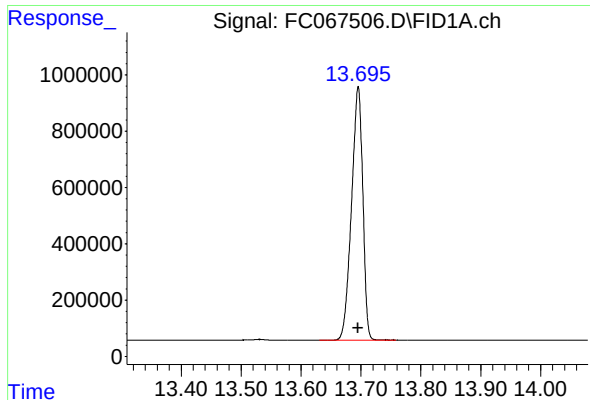
#11 n-Heneicosane (C21)

R.T.: 13.110 min
Delta R.T.: 0.000 min
Response: 11868997
Conc: 98.84 ug/ml



#12 1-chlorooctadecane (SURR)

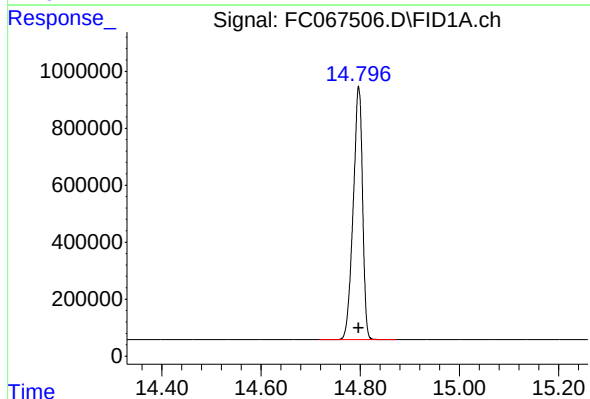
R.T.: 12.941 min
Delta R.T.: 0.000 min
Response: 10490435
Conc: 99.22 ug/ml



#13 n-Docosane (C22)

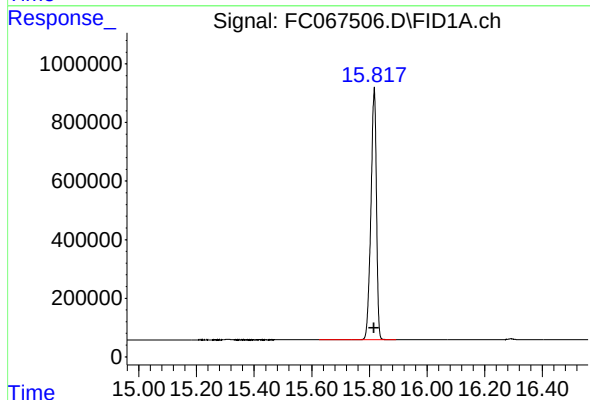
R.T.: 13.695 min
Delta R.T.: 0.000 min
Response: 11751176
Conc: 98.74 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



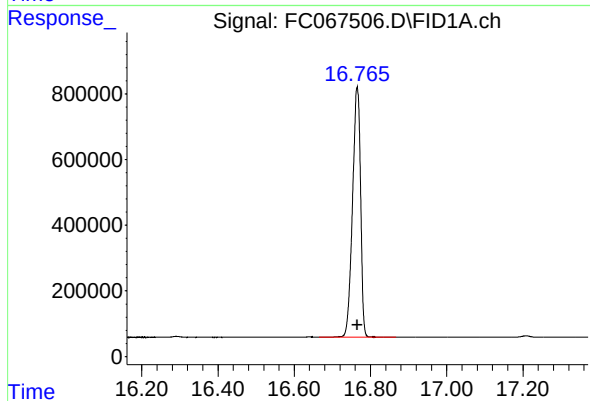
#14 n-Tetracosane (C24)

R.T.: 14.797 min
Delta R.T.: 0.000 min
Response: 11637443
Conc: 98.78 ug/ml



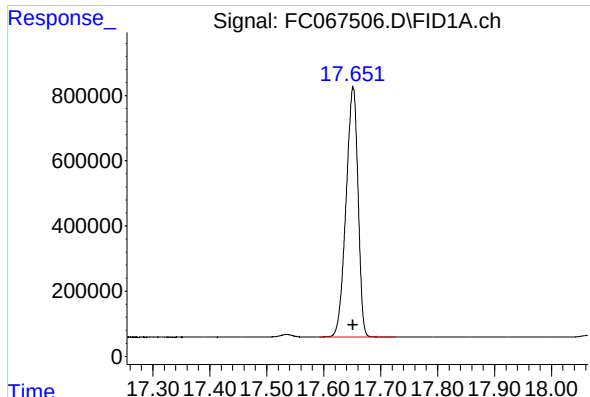
#15 n-Hexacosane (C26)

R.T.: 15.816 min
Delta R.T.: 0.000 min
Response: 11410589
Conc: 98.65 ug/ml



#16 n-Octacosane (C28)

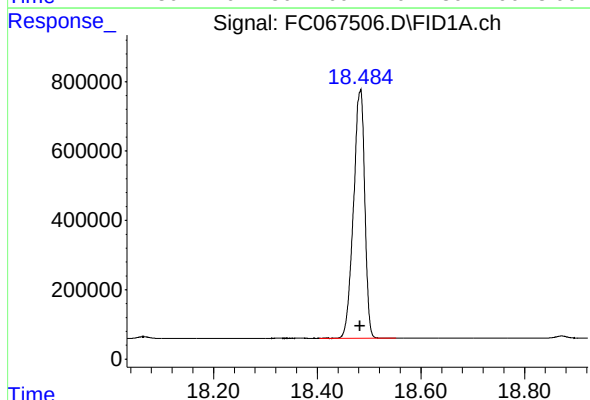
R.T.: 16.765 min
Delta R.T.: 0.000 min
Response: 11146972
Conc: 98.03 ug/ml



#17 n-Tricontane (C30)

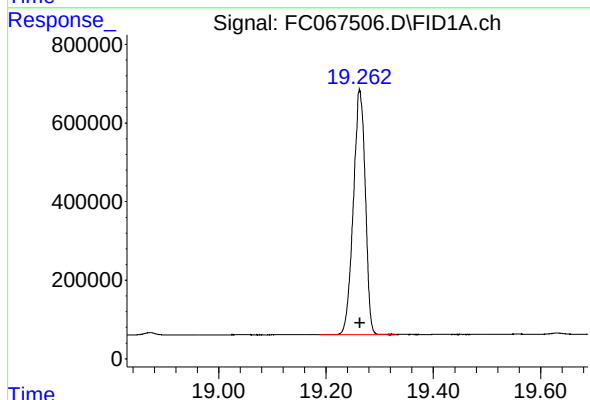
R.T.: 17.651 min
Delta R.T.: 0.000 min
Response: 11224678
Conc: 97.10 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



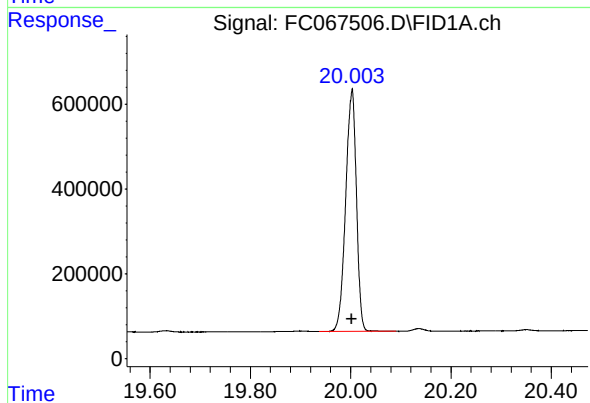
#18 n-Dotriacontane (C32)

R.T.: 18.483 min
Delta R.T.: 0.000 min
Response: 10806351
Conc: 96.39 ug/ml



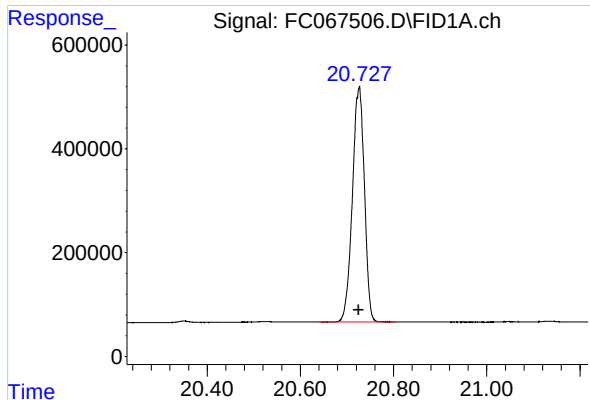
#19 n-Tetratriacontane (C34)

R.T.: 19.263 min
Delta R.T.: 0.000 min
Response: 9619727
Conc: 96.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.002 min
Delta R.T.: 0.000 min
Response: 8494635
Conc: 97.26 ug/ml



#21 n-Octatriacontane (C38)

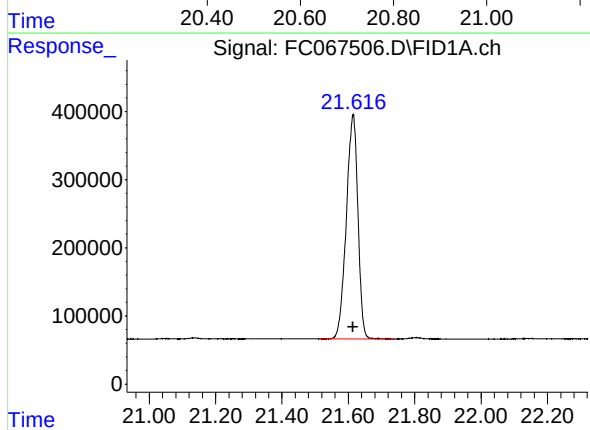
R.T.: 20.726 min
Delta R.T.: 0.000 min
Response: 8112623
Conc: 97.30 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.614 min
Delta R.T.: 0.000 min
Response: 7992636
Conc: 97.52 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
 Data File : FC067506.D
 Signal(s) : FID1A.ch
 Acq On : 23 Oct 2024 15:12
 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 102324.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	3.278	3.245	3.345	BB	1482982	12920314	89.76%	5.044%
2	4.343	4.275	4.414	BB	1378444	13085907	90.91%	5.108%
3	5.922	5.852	6.014	BB	1478546	14394132	100.00%	5.619%
4	6.360	6.300	6.427	BB	1268307	13016771	90.43%	5.081%
5	6.979	6.924	7.094	BV	1345672	13836866	96.13%	5.402%
6	8.152	8.077	8.224	BB	1158926	12659193	87.95%	4.942%
7	9.751	9.705	9.842	BB	1114390	12808774	88.99%	5.000%
8	11.193	11.149	11.265	BV	1059950	12738874	88.50%	4.973%
9	11.506	11.437	11.570	BB	1165644	14037783	97.52%	5.480%
10	12.499	12.434	12.565	BB	956464	12105735	84.10%	4.726%
11	12.941	12.872	13.005	BB	861029	10490435	72.88%	4.095%
12	13.110	13.005	13.180	BB	919632	11868997	82.46%	4.633%
13	13.695	13.630	13.759	BB	900624	11751176	81.64%	4.587%
14	14.797	14.717	14.872	BB	888415	11637443	80.85%	4.543%
15	15.816	15.625	15.892	BB	863938	11410589	79.27%	4.454%
16	16.765	16.665	16.867	BB	761325	11146972	77.44%	4.352%
17	17.651	17.592	17.727	BB	765890	11224678	77.98%	4.382%
18	18.483	18.404	18.552	BB	712666	10806351	75.07%	4.219%
19	19.263	19.187	19.330	BB	619243	9619727	66.83%	3.755%
20	20.002	19.937	20.090	BB	565569	8494635	59.01%	3.316%
21	20.726	20.640	20.805	BB	451489	8112623	56.36%	3.167%
22	21.614	21.512	21.744	BB	329592	7992636	55.53%	3.120%
Sum of corrected areas:						256160611		

Aliphatic EPH 102324.M Wed Oct 23 18:20:49 2024

Lab Sample ID:	50 PPM ALIPHATIC HC 9	Acq On:	23 Oct 2024 15:48
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067507.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.174	6.454	19933185.000	150.000	ug/ml
Aliphatic C12-C16	6.455	9.845	12990634.000	100.000	ug/ml
Aliphatic C16-C21	9.846	13.203	18782701.000	150.000	ug/ml
Aliphatic C21-C28	13.204	16.858	23609090.000	200.000	ug/ml
Aliphatic C28-C40	16.859	21.704	29316600.000	300.000	ug/ml
Aliphatic EPH	3.174		104632210.000	900.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F102324AL\
 Data File : FC067507.D
 Signal(s) : FID1A.ch
 Acq On : 23 Oct 2024 15:48
 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 23 17:21:14 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 17:19:01 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)	11.500	7186867	50.330 ug/ml
Spiked Amount 50.000		Recovery =	100.66%
12) S 1-chlorooctadecane (S...	12.937	5350584	50.403 ug/ml
Spiked Amount 50.000		Recovery =	100.81%
Target Compounds			
1) T n-Nonane (C9)	3.275	6596270	50.122 ug/ml
2) T n-Decane (C10)	4.340	6686022	50.181 ug/ml
3) T A~Naphthalene (C11.7)	5.918	7350672	50.344 ug/ml
4) T n-Dodecane (C12)	6.356	6650893	50.202 ug/ml
5) T A~2-methylnaphthalene...	6.974	7049073	50.402 ug/ml
6) T n-Tetradecane (C14)	8.149	6466785	50.292 ug/ml
7) T n-Hexadecane (C16)	9.747	6523849	50.293 ug/ml
8) T n-Octadecane (C18)	11.188	6511575	50.329 ug/ml
10) T n-Eicosane (C20)	12.495	6199533	50.355 ug/ml
11) T n-Heneicosane (C21)	13.105	6071593	50.372 ug/ml
13) T n-Docosane (C22)	13.691	6022373	50.399 ug/ml
14) T n-Tetracosane (C24)	14.793	5967985	50.435 ug/ml
15) T n-Hexacosane (C26)	15.812	5860085	50.441 ug/ml
16) T n-Octacosane (C28)	16.761	5758647	50.429 ug/ml
17) T n-Tricontane (C30)	17.647	5830292	50.290 ug/ml
18) T n-Dotriacontane (C32)	18.477	5634053	50.168 ug/ml
19) T n-Tetratriacontane (C34)	19.260	5024380	50.251 ug/ml
20) T n-Hexatriacontane (C36)	19.998	4430530	50.483 ug/ml
21) T n-Octatriacontane (C38)	20.720	4230730	50.491 ug/ml
22) T n-Tetracontane (C40)	21.606	4166615	50.557 ug/ml

(f)=RT Delta > 1/2 Window

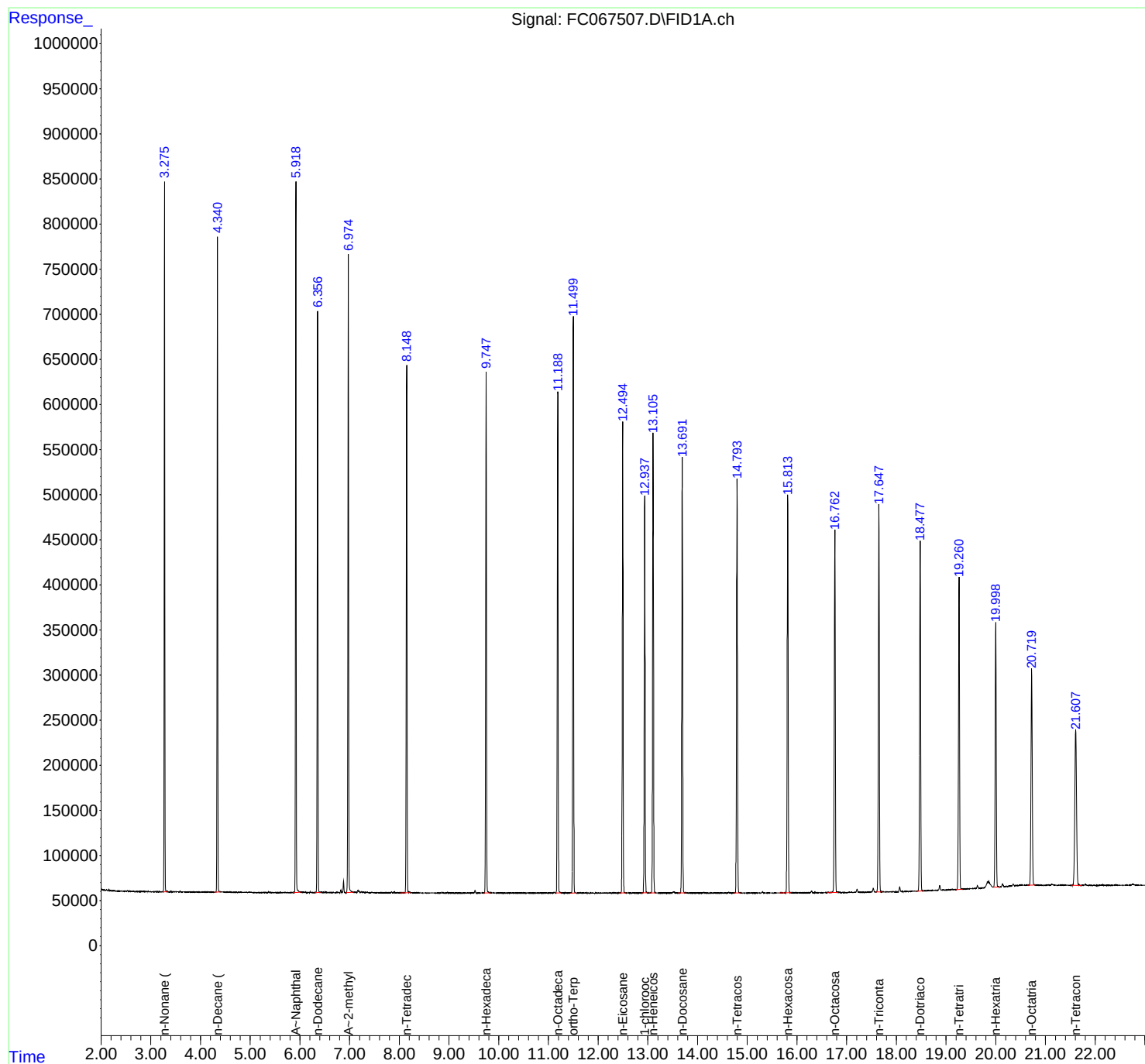
(m)=manual int.

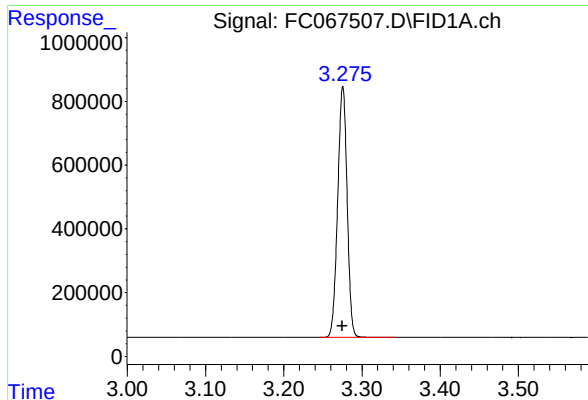
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067507.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:48
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 23 17:21:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

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

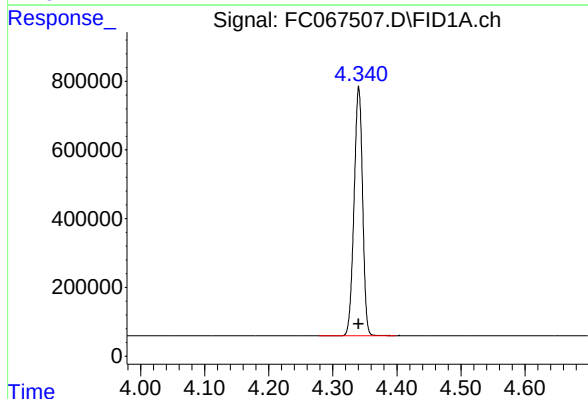




#1 n-Nonane (C9)

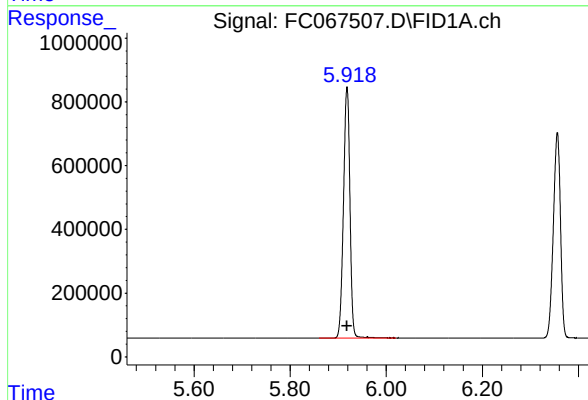
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 6596270
Conc: 50.12 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



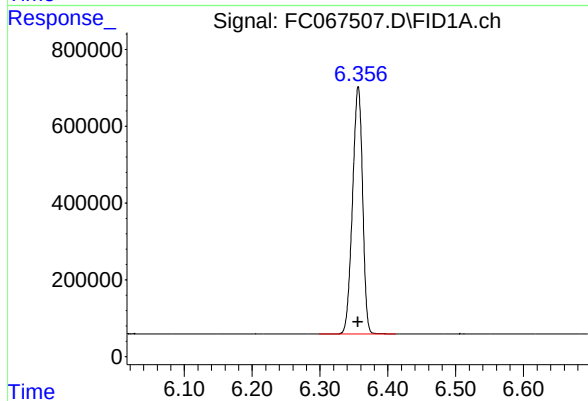
#2 n-Decane (C10)

R.T.: 4.340 min
Delta R.T.: 0.000 min
Response: 6686022
Conc: 50.18 ug/ml



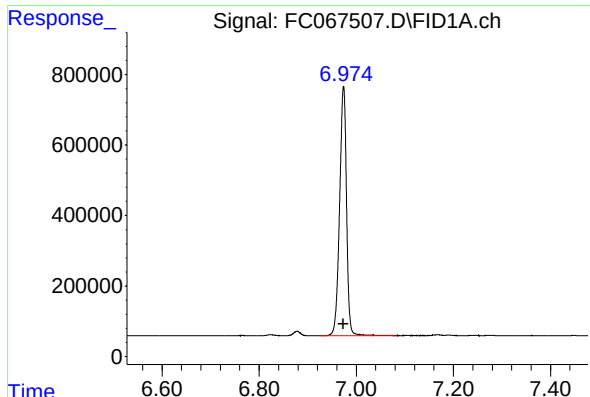
#3 A~Naphthalene (C11.7)

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 7350672
Conc: 50.34 ug/ml



#4 n-Dodecane (C12)

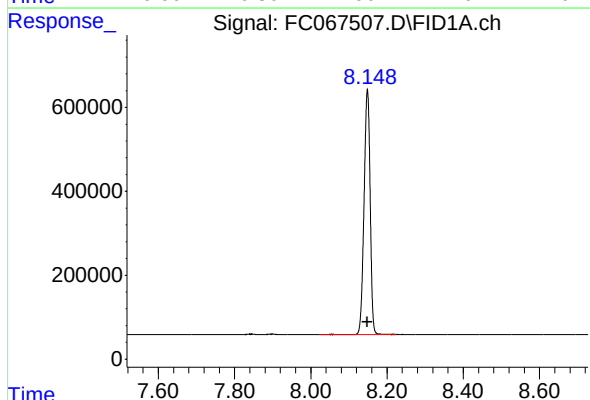
R.T.: 6.356 min
Delta R.T.: 0.000 min
Response: 6650893
Conc: 50.20 ug/ml



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

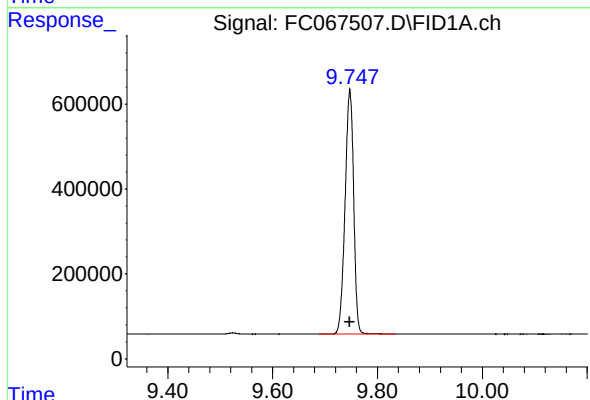
R.T.: 6.974 min
Delta R.T.: 0.000 min
Response: 7049073
Conc: 50.40 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



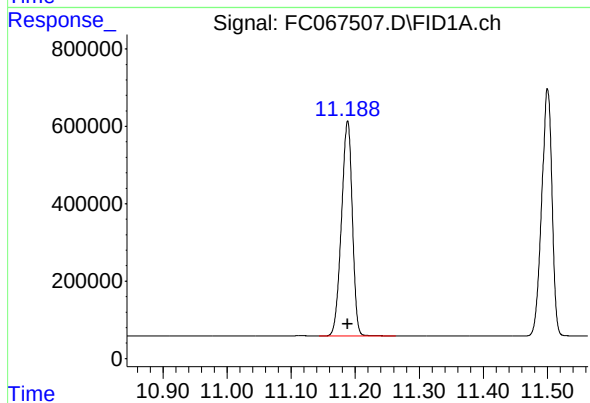
#6 n-Tetradecane (C14)

R.T.: 8.149 min
Delta R.T.: 0.000 min
Response: 6466785
Conc: 50.29 ug/ml



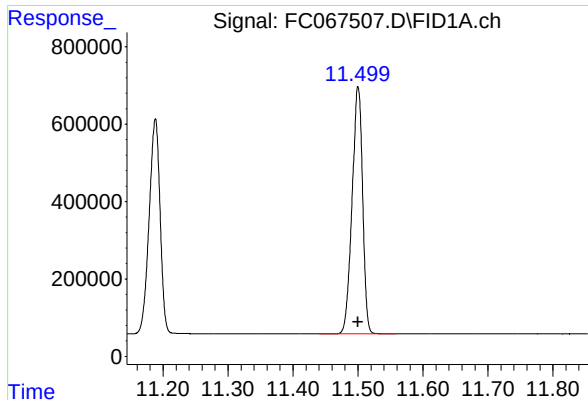
#7 n-Hexadecane (C16)

R.T.: 9.747 min
Delta R.T.: 0.000 min
Response: 6523849
Conc: 50.29 ug/ml



#8 n-Octadecane (C18)

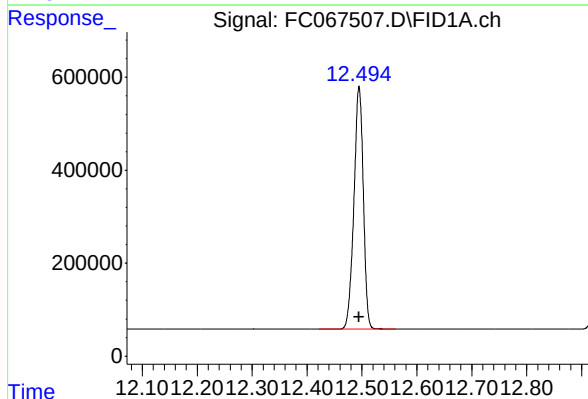
R.T.: 11.188 min
Delta R.T.: 0.000 min
Response: 6511575
Conc: 50.33 ug/ml



#9 ortho-Terphenyl (SURR)

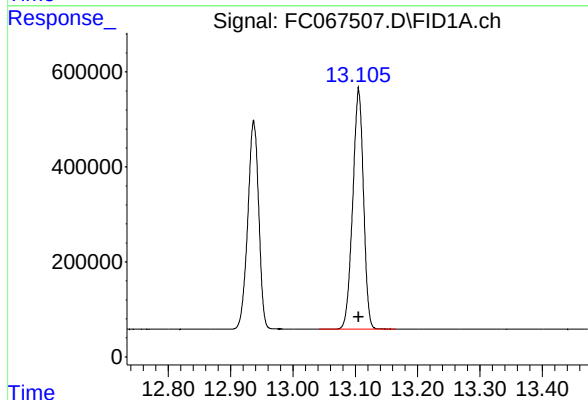
R.T.: 11.500 min
Delta R.T.: 0.000 min
Response: 7186867
Conc: 50.33 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



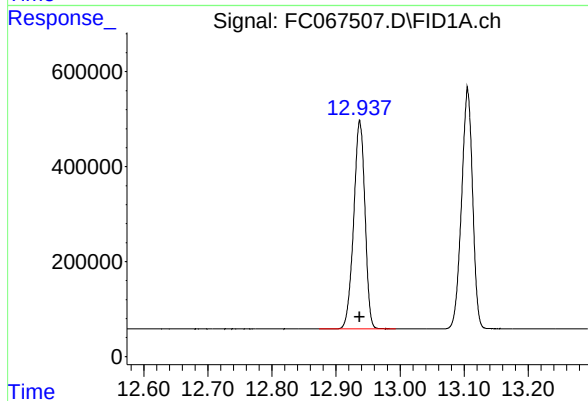
#10 n-Eicosane (C20)

R.T.: 12.495 min
Delta R.T.: 0.000 min
Response: 6199533
Conc: 50.36 ug/ml



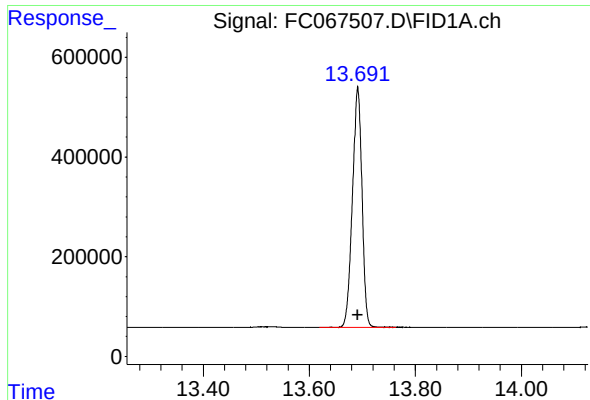
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: 0.000 min
Response: 6071593
Conc: 50.37 ug/ml



#12 1-chlorooctadecane (SURR)

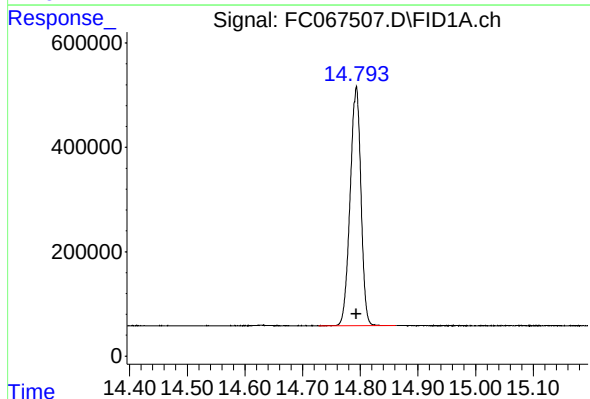
R.T.: 12.937 min
Delta R.T.: 0.000 min
Response: 5350584
Conc: 50.40 ug/ml



#13 n-Docosane (C22)

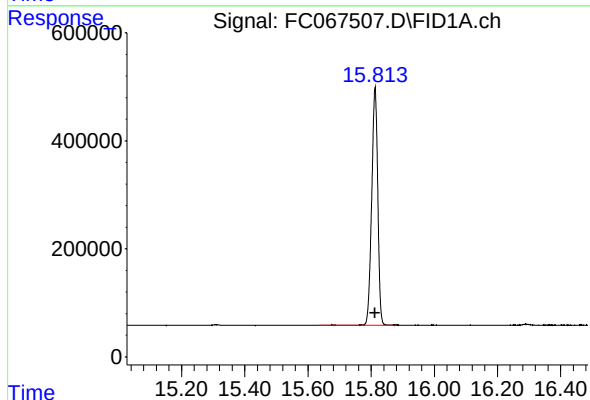
R.T.: 13.691 min
Delta R.T.: 0.000 min
Response: 6022373
Conc: 50.40 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



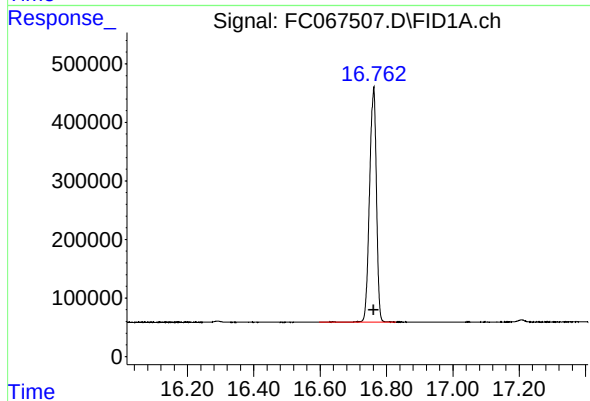
#14 n-Tetracosane (C24)

R.T.: 14.793 min
Delta R.T.: 0.000 min
Response: 5967985
Conc: 50.43 ug/ml



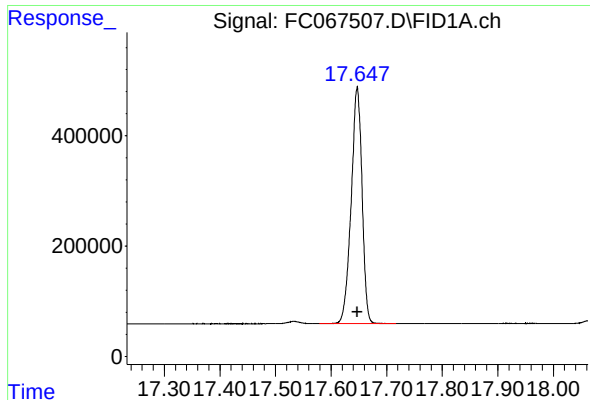
#15 n-Hexacosane (C26)

R.T.: 15.812 min
Delta R.T.: 0.000 min
Response: 5860085
Conc: 50.44 ug/ml



#16 n-Octacosane (C28)

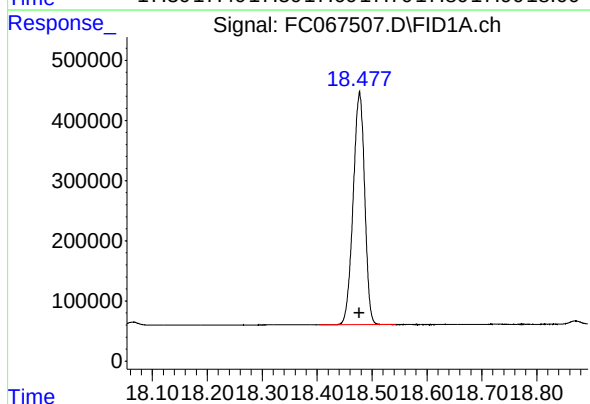
R.T.: 16.761 min
Delta R.T.: 0.000 min
Response: 5758647
Conc: 50.43 ug/ml



#17 n-Tricontane (C30)

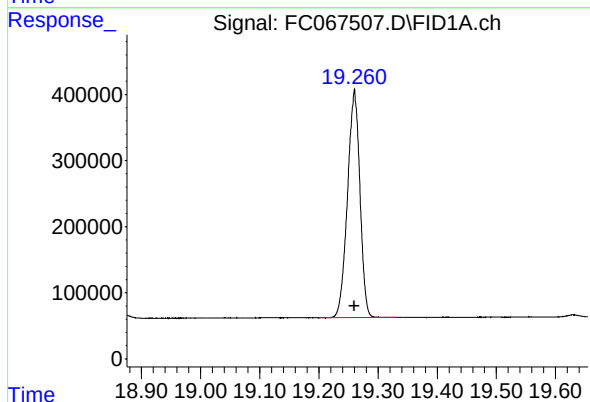
R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 5830292
Conc: 50.29 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



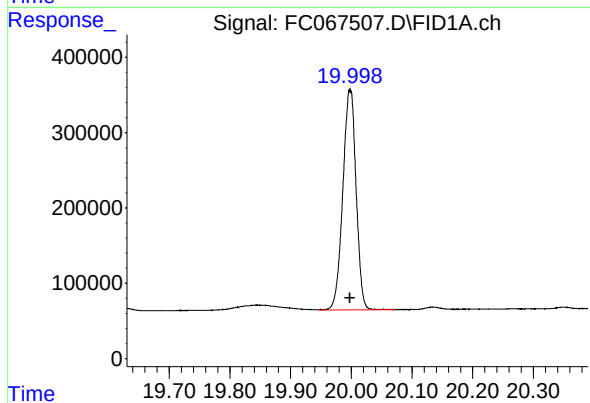
#18 n-Dotriacontane (C32)

R.T.: 18.477 min
Delta R.T.: 0.000 min
Response: 5634053
Conc: 50.17 ug/ml



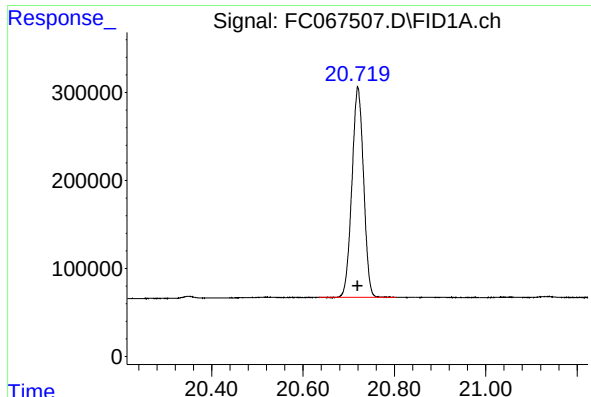
#19 n-Tetratriacontane (C34)

R.T.: 19.260 min
Delta R.T.: 0.000 min
Response: 5024380
Conc: 50.25 ug/ml



#20 n-Hexatriacontane (C36)

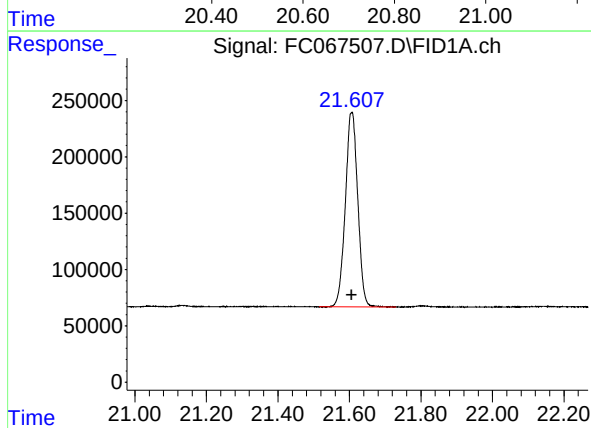
R.T.: 19.998 min
Delta R.T.: 0.000 min
Response: 4430530
Conc: 50.48 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.720 min
Delta R.T.: 0.000 min
Response: 4230730
Conc: 50.49 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.606 min
Delta R.T.: 0.000 min
Response: 4166615
Conc: 50.56 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067507.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:48
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 102324.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	3.275	3.245	3.343	BB	787475	6596270	89.74%	5.014%
2	4.340	4.278	4.398	BB	725048	6686022	90.96%	5.082%
3	5.918	5.860	6.020	BB	788107	7350672	100.00%	5.587%
4	6.356	6.298	6.412	BB	647440	6650893	90.48%	5.055%
5	6.974	6.923	7.082	BB	708667	7049073	95.90%	5.358%
6	8.149	8.022	8.223	BB	584678	6466785	87.98%	4.915%
7	9.747	9.688	9.835	BB	574143	6523849	88.75%	4.958%
8	11.188	11.143	11.263	BB	557552	6511575	88.58%	4.949%
9	11.500	11.440	11.558	BB	638489	7186867	97.77%	5.462%
10	12.495	12.422	12.562	BB	521546	6199533	84.34%	4.712%
11	12.937	12.873	12.993	BB	438883	5350584	72.79%	4.067%
12	13.105	13.042	13.165	BB	507791	6071593	82.60%	4.615%
13	13.691	13.618	13.763	BB	482823	6022373	81.93%	4.577%
14	14.793	14.728	14.862	BB	460497	5967985	81.19%	4.536%
15	15.812	15.635	15.878	BB	438034	5860085	79.72%	4.454%
16	16.761	16.597	16.828	BB	395517	5758647	78.34%	4.377%
17	17.647	17.578	17.717	BB	427620	5830292	79.32%	4.431%
18	18.477	18.403	18.543	BB	385150	5634053	76.65%	4.282%
19	19.260	19.200	19.330	BB	345032	5024380	68.35%	3.819%
20	19.998	19.947	20.073	VB	291698	4430530	60.27%	3.367%
21	20.720	20.635	20.803	BB	239127	4230730	57.56%	3.216%
22	21.606	21.515	21.730	BB	172709	4166615	56.68%	3.167%

Sum of corrected areas: 131569405

Aliphatic EPH 102324.M Wed Oct 23 18:21:16 2024

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	23 Oct 2024 16:25
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067508.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.174	6.454	8061570.000	60.000	ug/ml
Aliphatic C12-C16	6.455	9.845	5208245.000	40.000	ug/ml
Aliphatic C16-C21	9.846	13.203	7526010.000	60.000	ug/ml
Aliphatic C21-C28	13.204	16.858	9458827.000	80.000	ug/ml
Aliphatic C28-C40	16.859	21.704	11954663.000	120.000	ug/ml
Aliphatic EPH	3.174		42209315.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
 Data File : FC067508.D
 Signal(s) : FID1A.ch
 Acq On : 23 Oct 2024 16:25
 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 23 17:17:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 17:16:59 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	2885453	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	12.935	2131037	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.275	2673666	20.000 ug/ml
2) T n-Decane (C10)	4.339	2702691	20.000 ug/ml
3) T A~Naphthalene (C11.7)	5.916	2941492	20.000 ug/ml
4) T n-Dodecane (C12)	6.354	2685213	20.000 ug/ml
5) T A~2-methylnaphthalene...	6.971	2804469	20.000 ug/ml
6) T n-Tetradecane (C14)	8.146	2596600	20.000 ug/ml
7) T n-Hexadecane (C16)	9.745	2611645	20.000 ug/ml
8) T n-Octadecane (C18)	11.185	2610385	20.000 ug/ml
10) T n-Eicosane (C20)	12.492	2486010	20.000 ug/ml
11) T n-Heneicosane (C21)	13.103	2429615	20.000 ug/ml
13) T n-Docosane (C22)	13.688	2410406	20.000 ug/ml
14) T n-Tetracosane (C24)	14.790	2385181	20.000 ug/ml
15) T n-Hexacosane (C26)	15.809	2344463	20.000 ug/ml
16) T n-Octacosane (C28)	16.757	2318777	20.000 ug/ml
17) T n-Tricontane (C30)	17.644	2378909	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.475	2323289	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.258	2065430	20.000 ug/ml
20) T n-Hexatriacontane (C36)	19.995	1794670	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.718	1712685	20.000 ug/ml
22) T n-Tetracontane (C40)	21.604	1679680	20.000 ug/ml

(f)=RT Delta > 1/2 Window

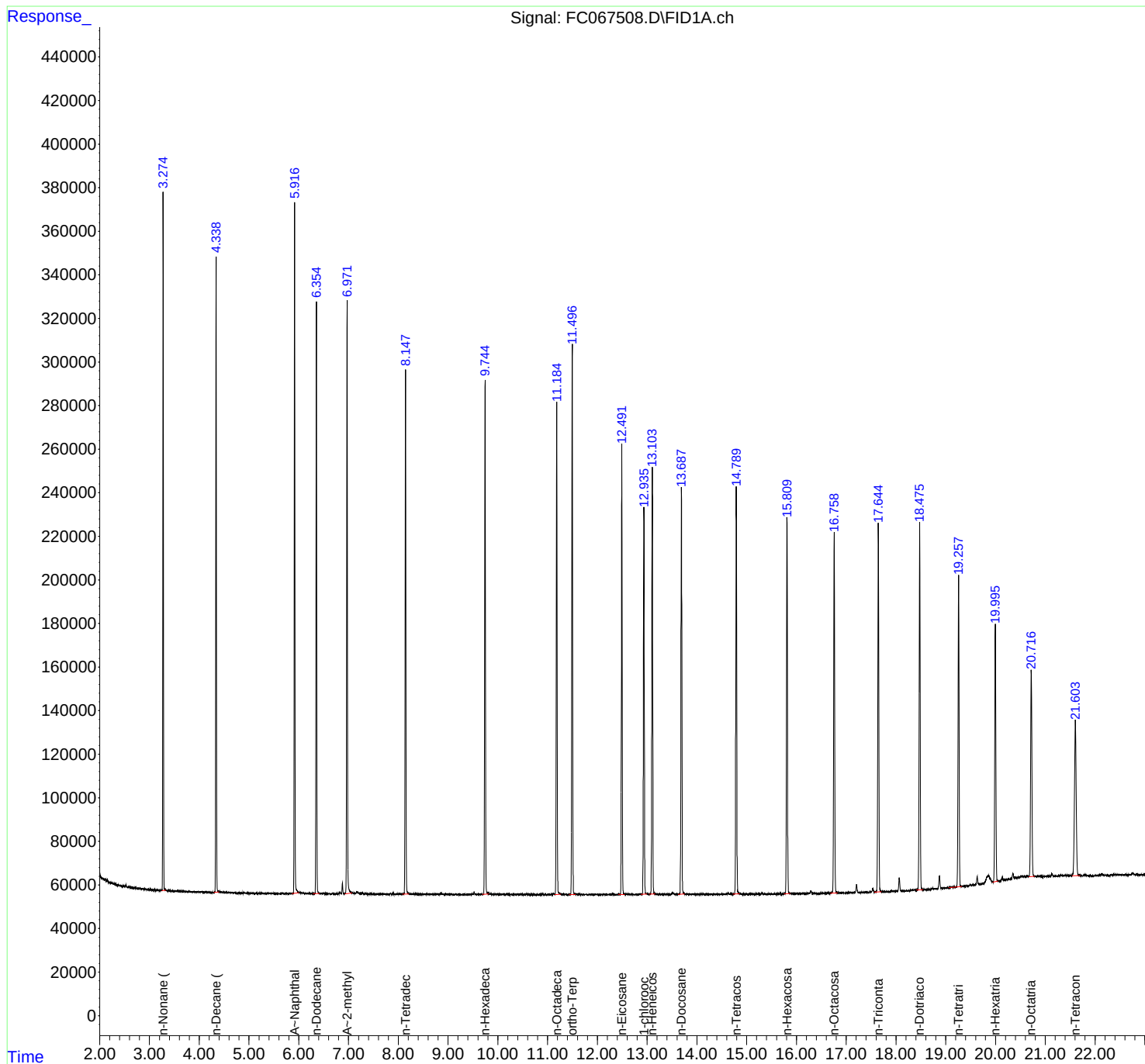
(m)=manual int.

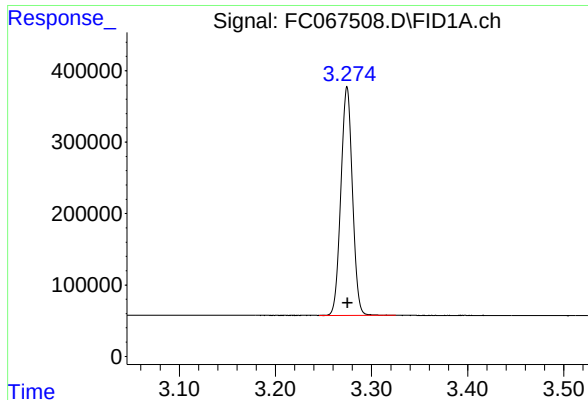
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067508.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 16:25
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 23 17:17:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:16:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

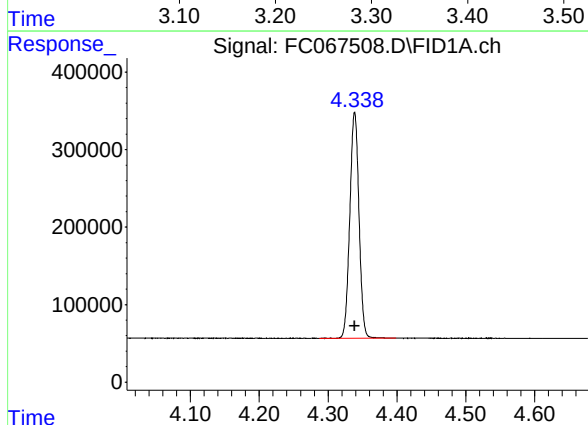




#1 n-Nonane (C9)

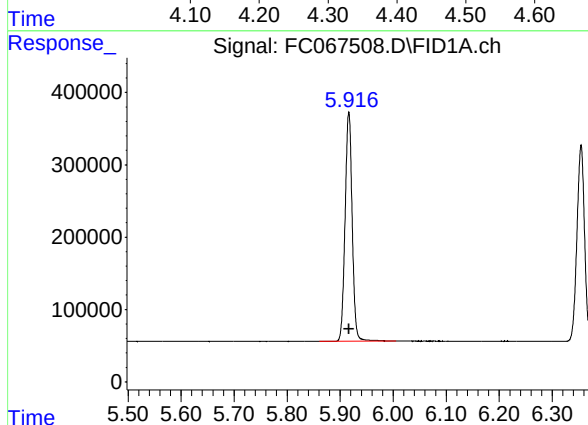
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 2673666
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



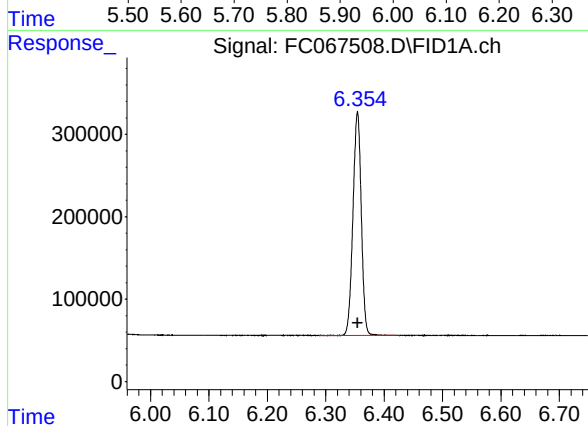
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: 0.000 min
Response: 2702691
Conc: 20.00 ug/ml



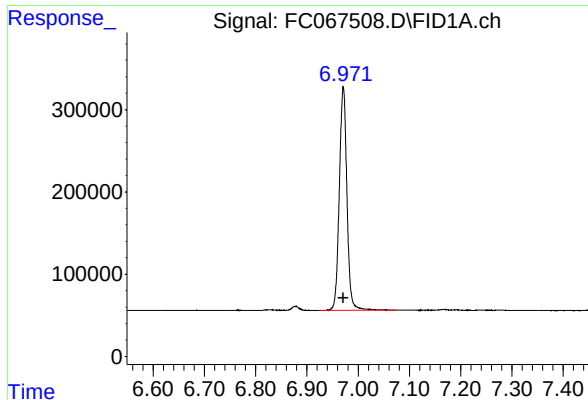
#3 A~Naphthalene (C11.7)

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 2941492
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

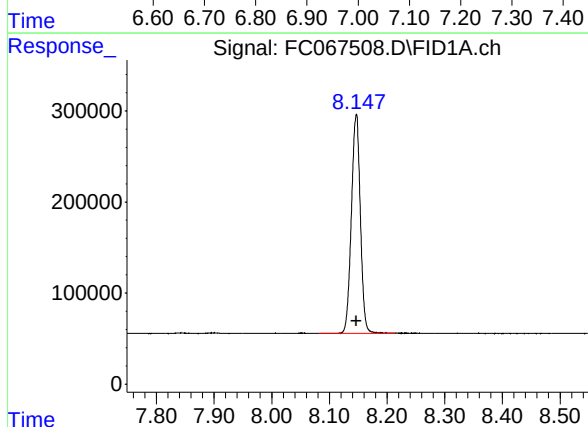
R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 2685213
Conc: 20.00 ug/ml



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

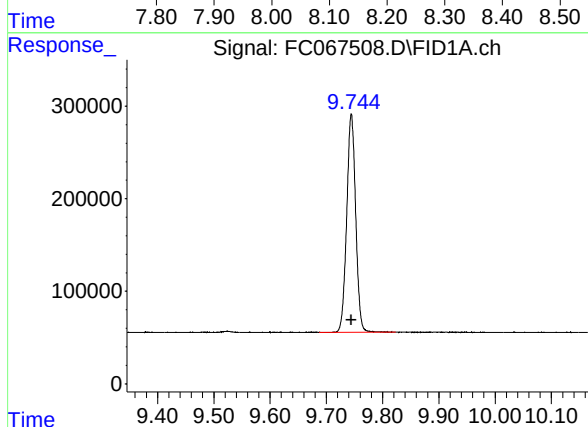
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 2804469
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



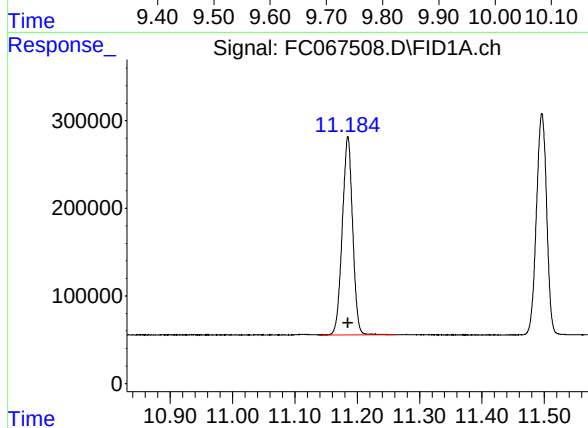
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 2596600
Conc: 20.00 ug/ml



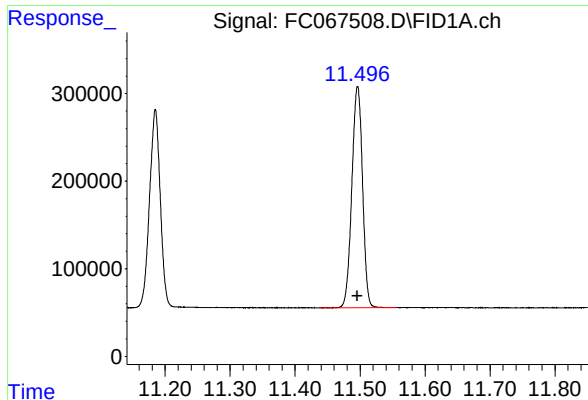
#7 n-Hexadecane (C16)

R.T.: 9.745 min
Delta R.T.: 0.000 min
Response: 2611645
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

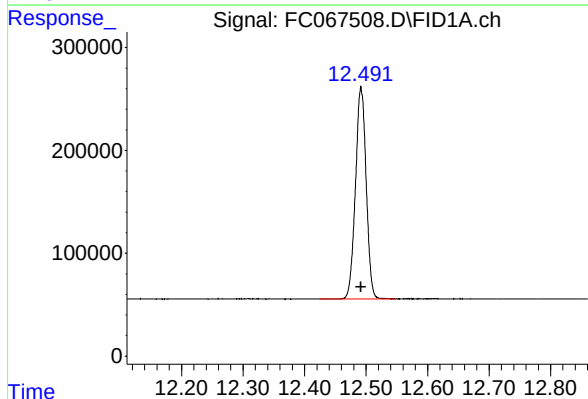
R.T.: 11.185 min
Delta R.T.: 0.000 min
Response: 2610385
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

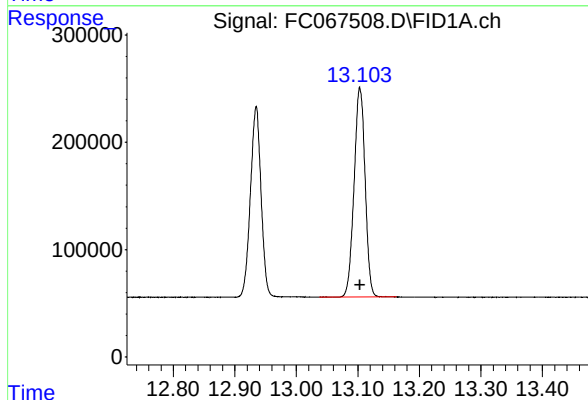
R.T.: 11.496 min
Delta R.T.: 0.000 min
Response: 2885453
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



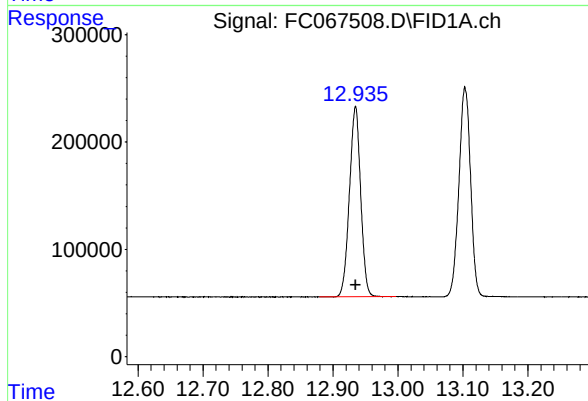
#10 n-Eicosane (C20)

R.T.: 12.492 min
Delta R.T.: 0.000 min
Response: 2486010
Conc: 20.00 ug/ml



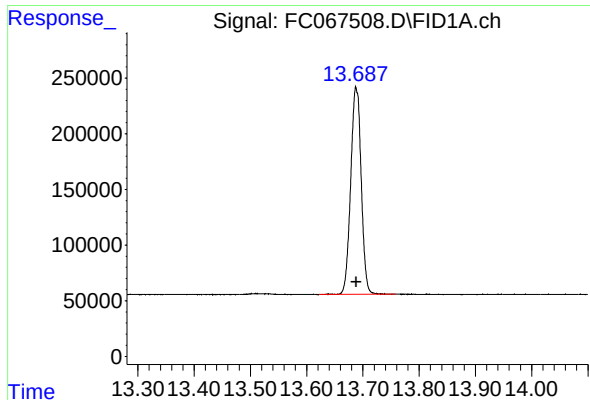
#11 n-Heneicosane (C21)

R.T.: 13.103 min
Delta R.T.: 0.000 min
Response: 2429615
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

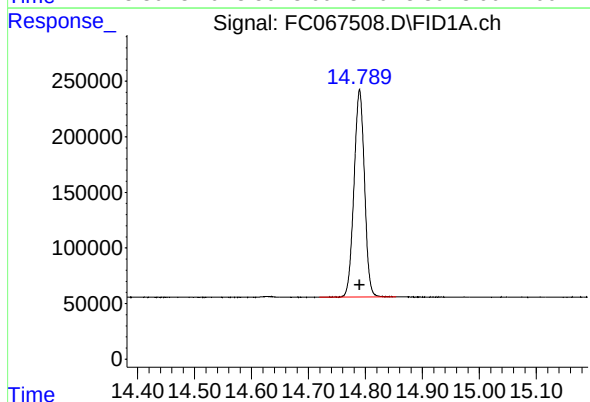
R.T.: 12.935 min
Delta R.T.: 0.000 min
Response: 2131037
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

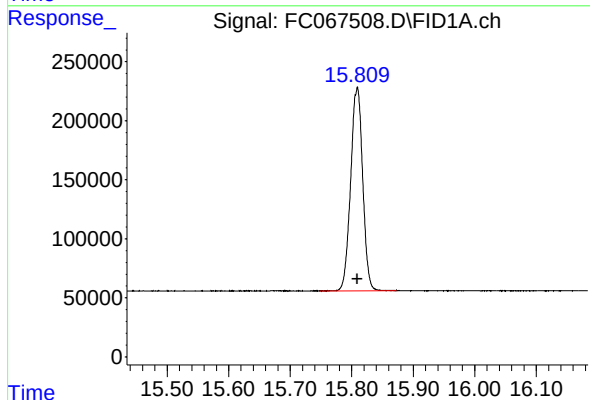
R.T.: 13.688 min
Delta R.T.: 0.000 min
Response: 2410406
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



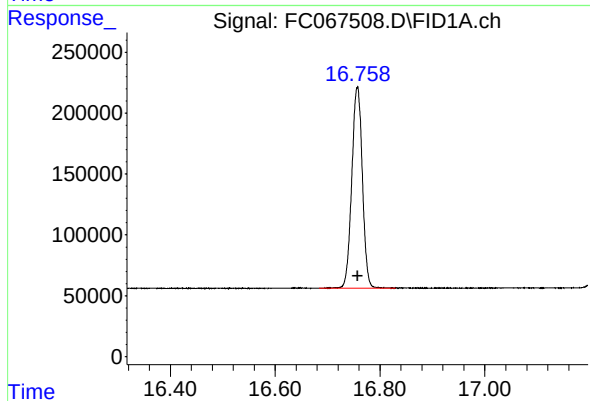
#14 n-Tetracosane (C24)

R.T.: 14.790 min
Delta R.T.: 0.000 min
Response: 2385181
Conc: 20.00 ug/ml



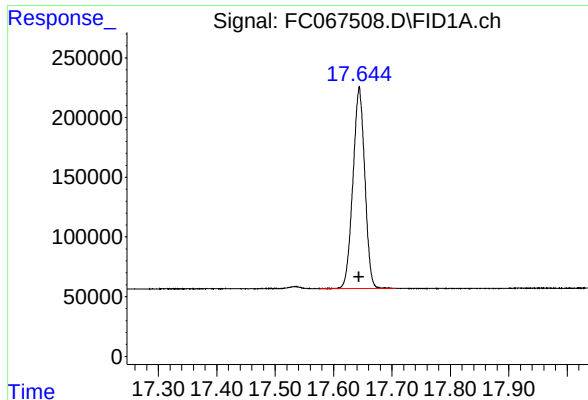
#15 n-Hexacosane (C26)

R.T.: 15.809 min
Delta R.T.: 0.000 min
Response: 2344463
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

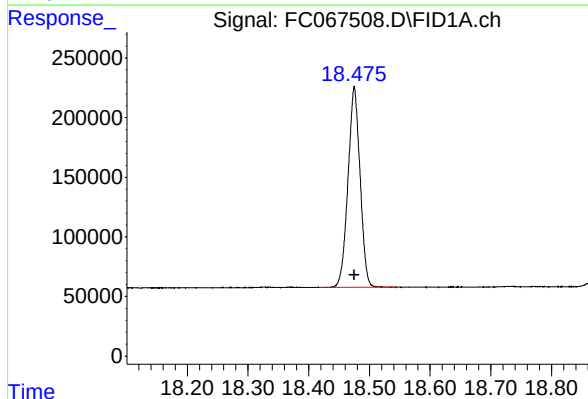
R.T.: 16.757 min
Delta R.T.: 0.000 min
Response: 2318777
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

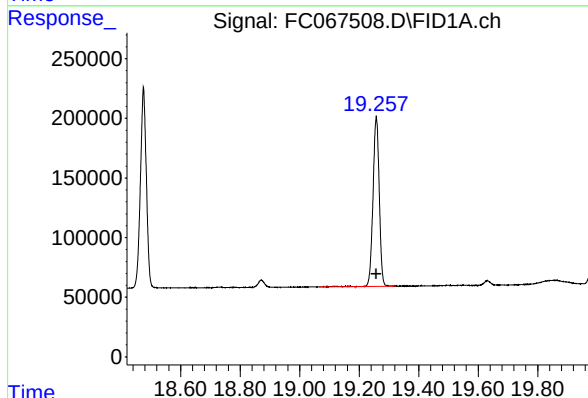
R.T.: 17.644 min
Delta R.T.: 0.000 min
Response: 2378909
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



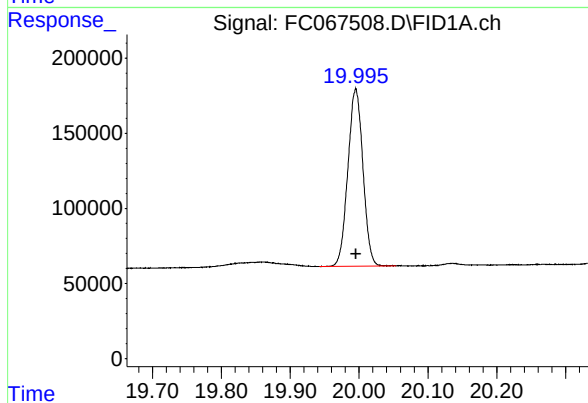
#18 n-Dotriacontane (C32)

R.T.: 18.475 min
Delta R.T.: 0.000 min
Response: 2323289
Conc: 20.00 ug/ml



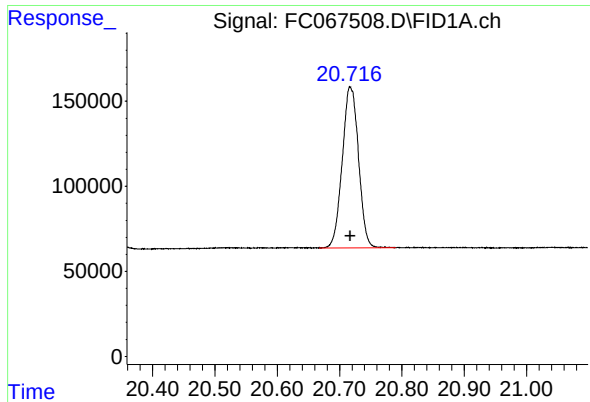
#19 n-Tetatriacontane (C34)

R.T.: 19.258 min
Delta R.T.: 0.000 min
Response: 2065430
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

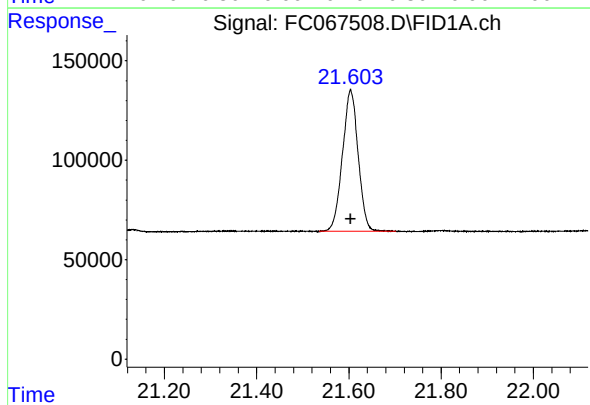
R.T.: 19.995 min
Delta R.T.: 0.000 min
Response: 1794670
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.718 min
Delta R.T.: 0.000 min
Response: 1712685
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.604 min
Delta R.T.: 0.000 min
Response: 1679680
Conc: 20.00 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067508.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 16:25
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 102324.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	3.275	3.245	3.325	BB	321230	2673666	90.89%	5.047%
2	4.339	4.287	4.399	BB	291890	2702691	91.88%	5.102%
3	5.916	5.860	6.005	BB	318035	2941492	100.00%	5.553%
4	6.354	6.289	6.420	BB	270407	2685213	91.29%	5.069%
5	6.971	6.924	7.074	BB	271627	2804469	95.34%	5.294%
6	8.146	8.082	8.215	BB	241446	2596600	88.27%	4.902%
7	9.745	9.687	9.824	BB	236243	2611645	88.79%	4.930%
8	11.185	11.139	11.262	BB	226739	2610385	88.74%	4.928%
9	11.496	11.437	11.555	BB	253146	2885453	98.09%	5.447%
10	12.492	12.424	12.549	BB	205716	2486010	84.52%	4.693%
11	12.935	12.879	12.997	BB	178352	2131037	72.45%	4.023%
12	13.103	13.037	13.162	BB	194305	2429615	82.60%	4.587%
13	13.688	13.622	13.759	BB	184039	2410406	81.95%	4.550%
14	14.790	14.719	14.854	BB	186782	2385181	81.09%	4.503%
15	15.809	15.747	15.872	BB	171744	2344463	79.70%	4.426%
16	16.757	16.684	16.830	BB	165164	2318777	78.83%	4.377%
17	17.644	17.575	17.707	BB	168160	2378909	80.87%	4.491%
18	18.475	18.417	18.544	BB	168488	2323289	78.98%	4.386%
19	19.258	19.065	19.324	BB	141960	2065430	70.22%	3.899%
20	19.995	19.942	20.054	PB	118336	1794670	61.01%	3.388%
21	20.718	20.667	20.790	BB	94381	1712685	58.23%	3.233%
22	21.604	21.535	21.702	BB	71304	1679680	57.10%	3.171%
Sum of corrected areas:							52971767	

Aliphatic EPH 102324.M Wed Oct 23 18:21:40 2024

Lab Sample ID:	10 PPM ALIPHATIC HC 9	Acq On:	23 Oct 2024 17:02
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067509.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.174	6.454	4198329.000	30.000	ug/ml
Aliphatic C12-C16	6.455	9.845	2702045.000	20.000	ug/ml
Aliphatic C16-C21	9.846	13.203	3934678.000	30.000	ug/ml
Aliphatic C21-C28	13.204	16.858	4951672.000	40.000	ug/ml
Aliphatic C28-C40	16.859	21.704	6283522.000	60.000	ug/ml
Aliphatic EPH	3.174		22070246.000	180.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
 Data File : FC067509.D
 Signal(s) : FID1A.ch
 Acq On : 23 Oct 2024 17:02
 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 23 17:42:18 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 17:42:09 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)	11.495	1516253	10.457 ug/ml
Spiked Amount 50.000		Recovery =	20.91%
12) S 1-chlorooctadecane (S...	12.934	1104370	10.299 ug/ml
Spiked Amount 50.000		Recovery =	20.60%
Target Compounds			
1) T n-Nonane (C9)	3.274	1392325	10.429 ug/ml
2) T n-Decane (C10)	4.338	1408883	10.425 ug/ml
3) T A~Naphthalene (C11.7)	5.916	1523229	10.321 ug/ml
4) T n-Dodecane (C12)	6.353	1397121	10.404 ug/ml
5) T A~2-methylnaphthalene...	6.971	1445653	10.250 ug/ml
6) T n-Tetradecane (C14)	8.146	1348794	10.363 ug/ml
7) T n-Hexadecane (C16)	9.744	1353251	10.321 ug/ml
8) T n-Octadecane (C18)	11.184	1362847	10.395 ug/ml
10) T n-Eicosane (C20)	12.491	1299257	10.409 ug/ml
11) T n-Heneicosane (C21)	13.102	1272574	10.413 ug/ml
13) T n-Docosane (C22)	13.687	1260218	10.404 ug/ml
14) T n-Tetracosane (C24)	14.789	1251574	10.427 ug/ml
15) T n-Hexacosane (C26)	15.808	1226594	10.413 ug/ml
16) T n-Octacosane (C28)	16.756	1213286	10.461 ug/ml
17) T n-Tricontane (C30)	17.643	1249088	10.570 ug/ml
18) T n-Dotriacontane (C32)	18.474	1225099	10.667 ug/ml
19) T n-Tetratriacontane (C34)	19.257	1087201	10.641 ug/ml
20) T n-Hexatriacontane (C36)	19.995	941330	10.535 ug/ml
21) T n-Octatriacontane (C38)	20.719	898154	10.530 ug/ml
22) T n-Tetracontane (C40)	21.604	882650	10.523 ug/ml

(f)=RT Delta > 1/2 Window

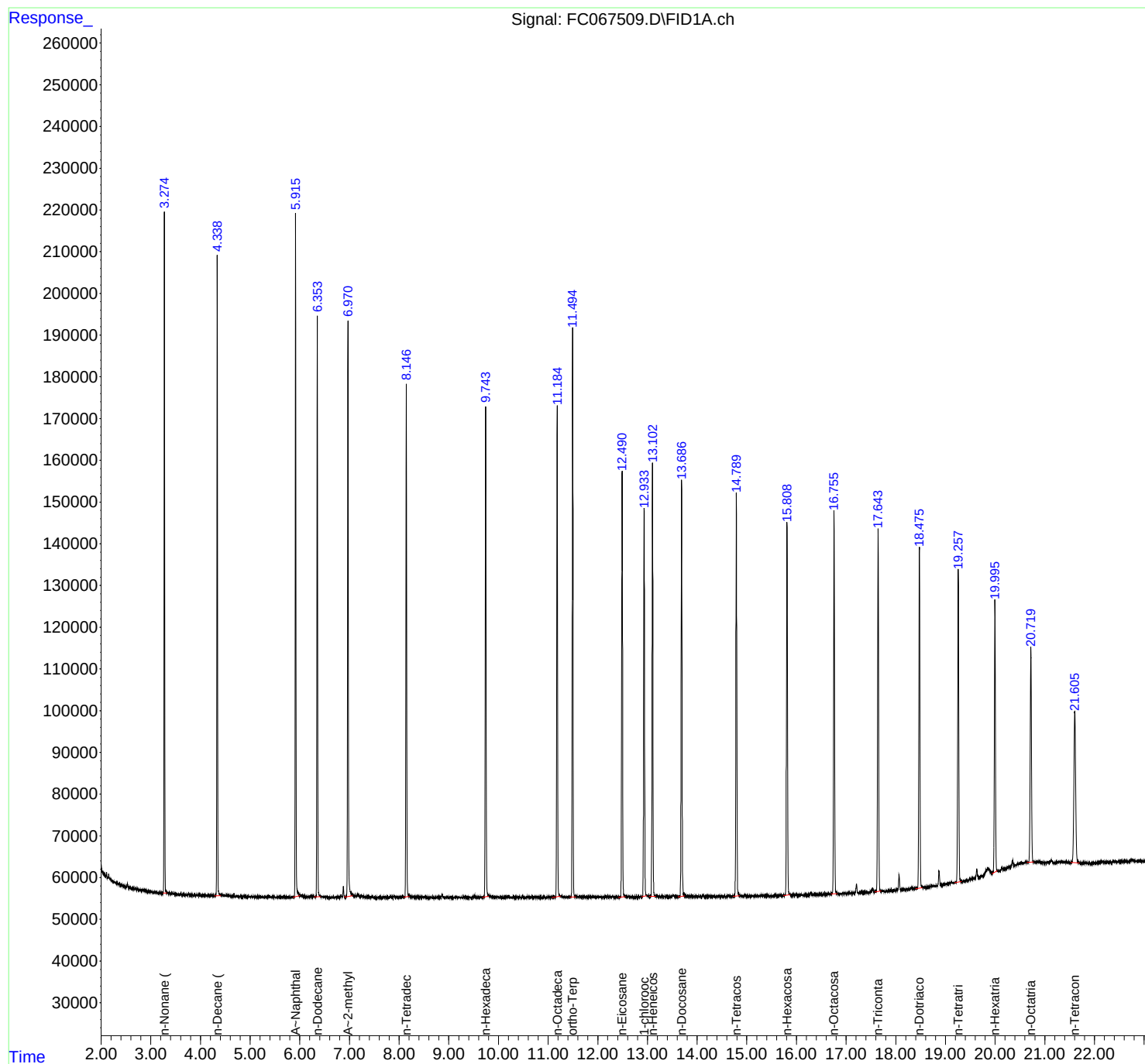
(m)=manual int.

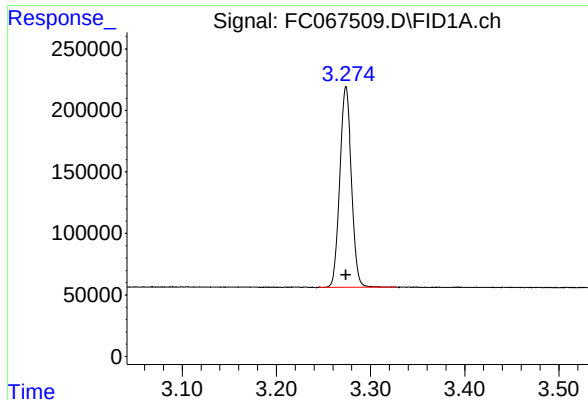
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067509.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:02
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 23 17:42:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:42:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

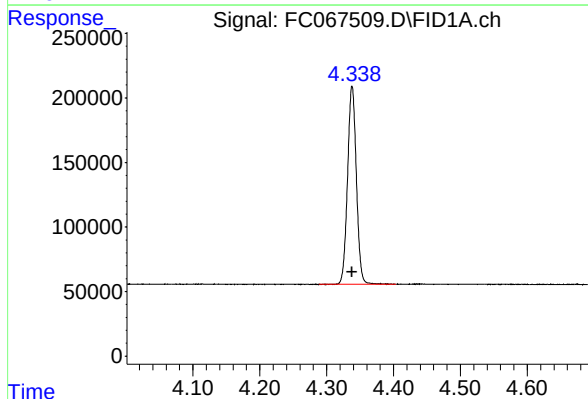




#1 n-Nonane (C9)

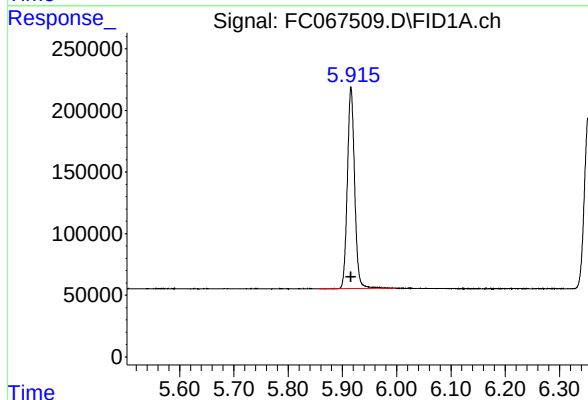
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 1392325
Conc: 10.43 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



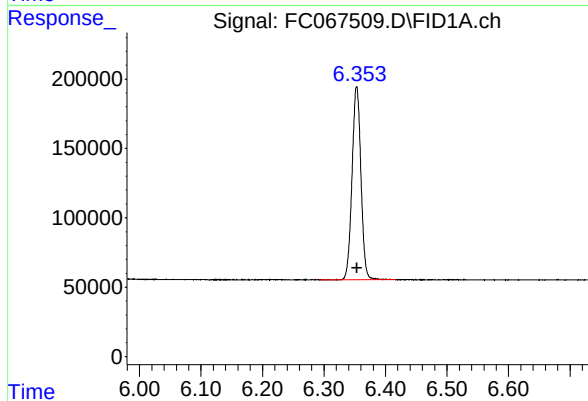
#2 n-Decane (C10)

R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 1408883
Conc: 10.42 ug/ml



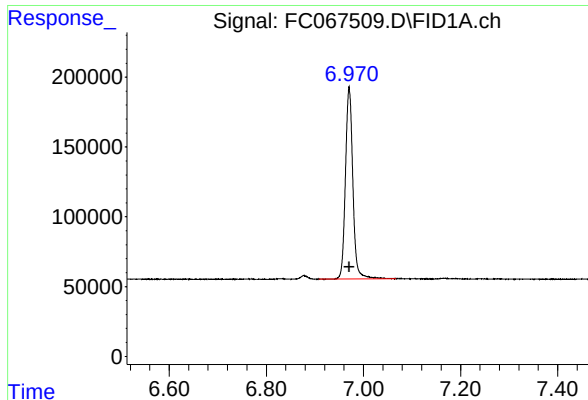
#3 A~Naphthalene (C11.7)

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 1523229
Conc: 10.32 ug/ml



#4 n-Dodecane (C12)

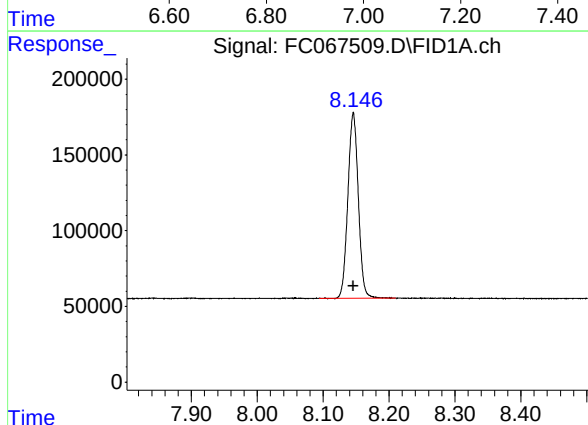
R.T.: 6.353 min
Delta R.T.: 0.000 min
Response: 1397121
Conc: 10.40 ug/ml



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

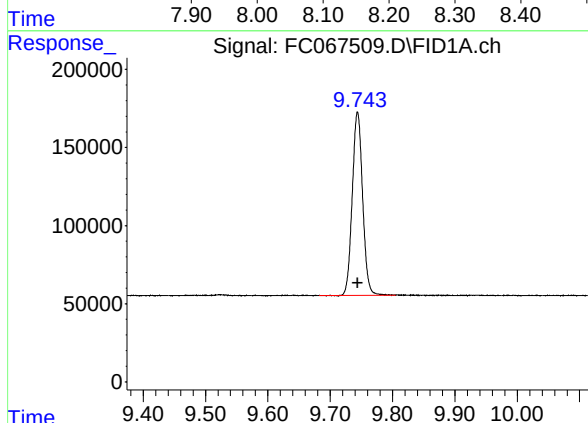
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 1445653
Conc: 10.25 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



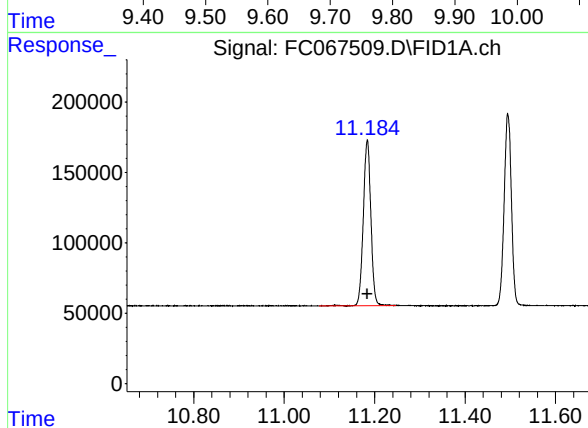
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 1348794
Conc: 10.36 ug/ml



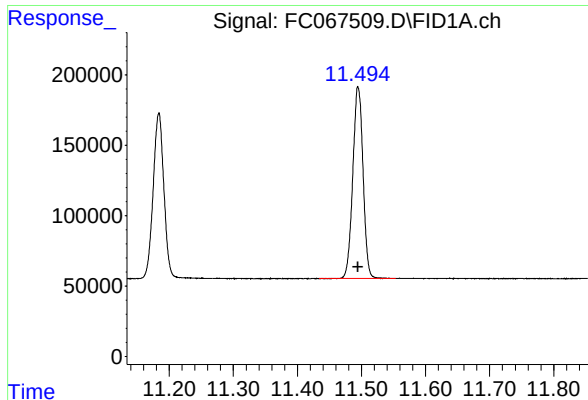
#7 n-Hexadecane (C16)

R.T.: 9.744 min
Delta R.T.: 0.000 min
Response: 1353251
Conc: 10.32 ug/ml



#8 n-Octadecane (C18)

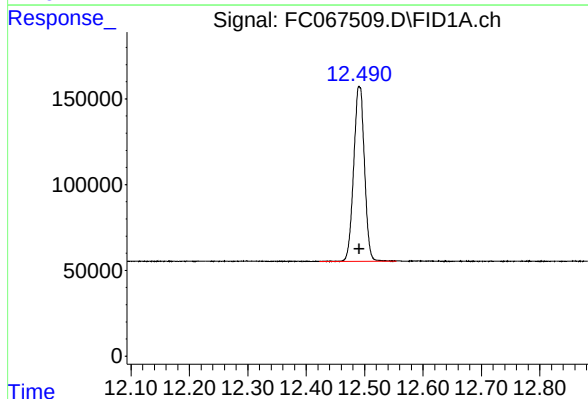
R.T.: 11.184 min
Delta R.T.: 0.000 min
Response: 1362847
Conc: 10.39 ug/ml



#9 ortho-Terphenyl (SURR)

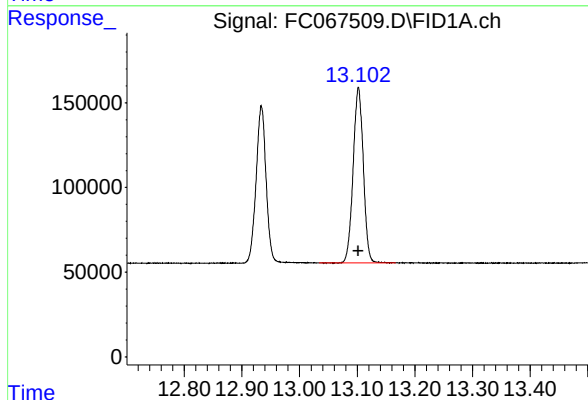
R.T.: 11.495 min
Delta R.T.: 0.000 min
Response: 1516253
Conc: 10.46 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



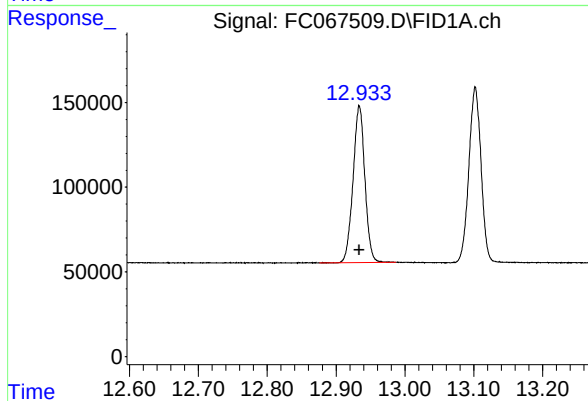
#10 n-Eicosane (C20)

R.T.: 12.491 min
Delta R.T.: 0.000 min
Response: 1299257
Conc: 10.41 ug/ml



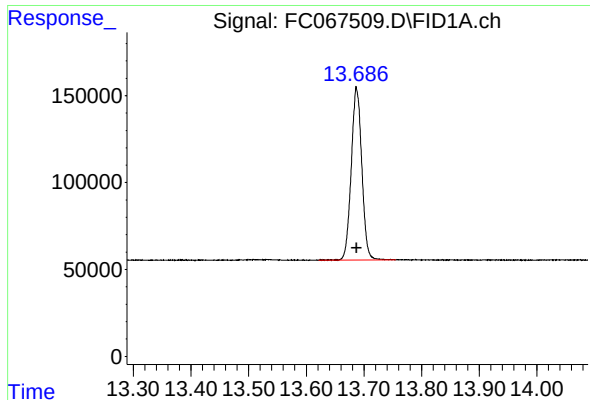
#11 n-Heneicosane (C21)

R.T.: 13.102 min
Delta R.T.: 0.000 min
Response: 1272574
Conc: 10.41 ug/ml



#12 1-chlorooctadecane (SURR)

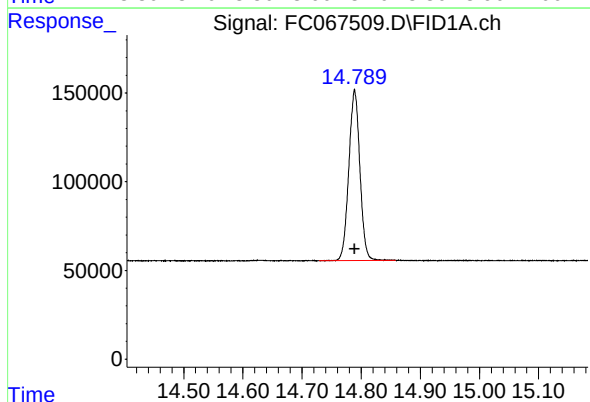
R.T.: 12.934 min
Delta R.T.: 0.000 min
Response: 1104370
Conc: 10.30 ug/ml



#13 n-Docosane (C22)

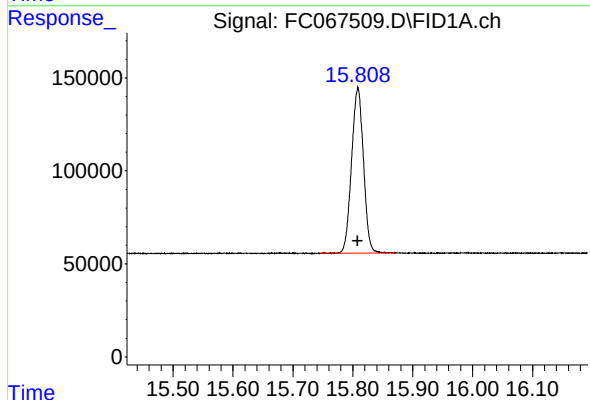
R.T.: 13.687 min
Delta R.T.: 0.000 min
Response: 1260218
Conc: 10.40 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



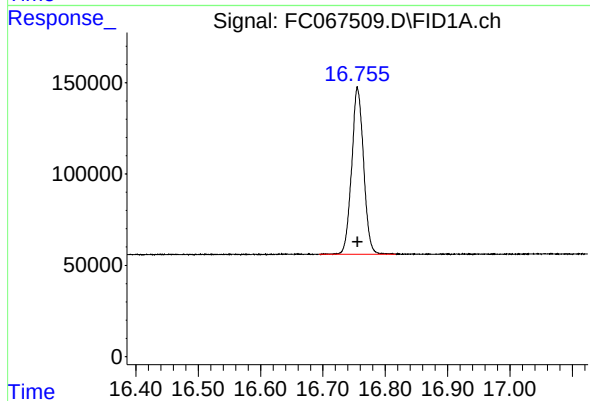
#14 n-Tetracosane (C24)

R.T.: 14.789 min
Delta R.T.: 0.000 min
Response: 1251574
Conc: 10.43 ug/ml



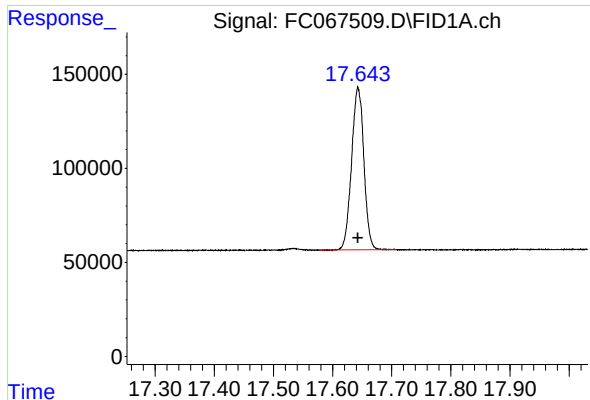
#15 n-Hexacosane (C26)

R.T.: 15.808 min
Delta R.T.: 0.000 min
Response: 1226594
Conc: 10.41 ug/ml



#16 n-Octacosane (C28)

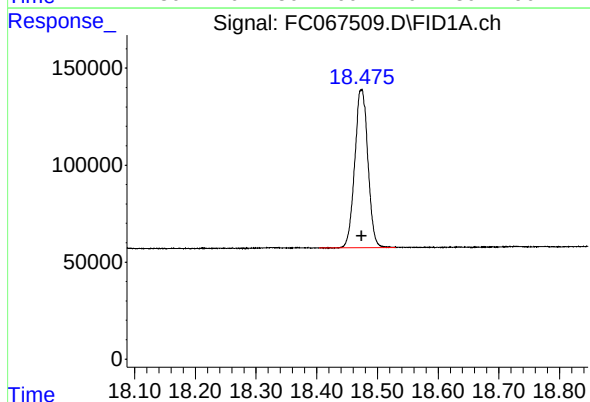
R.T.: 16.756 min
Delta R.T.: 0.000 min
Response: 1213286
Conc: 10.46 ug/ml



#17 n-Tricontane (C30)

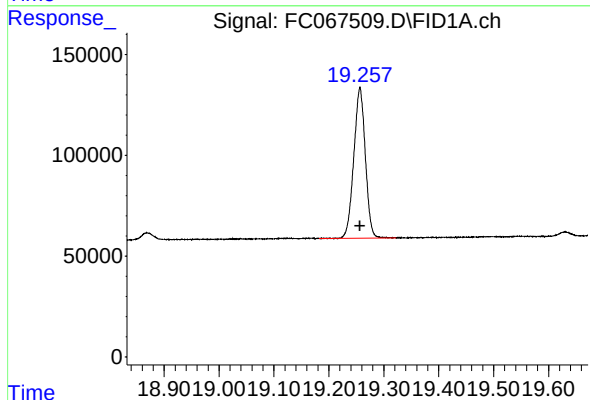
R.T.: 17.643 min
Delta R.T.: 0.000 min
Response: 1249088
Conc: 10.57 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



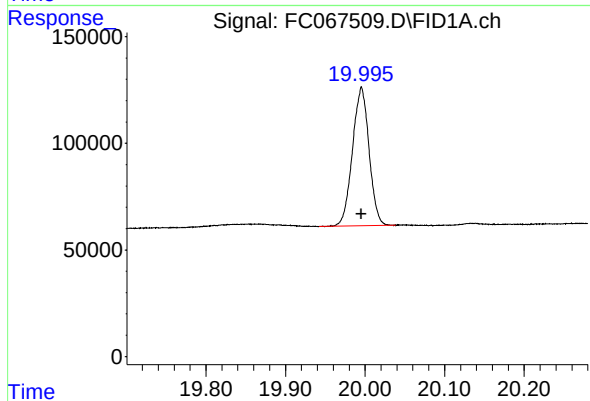
#18 n-Dotriacontane (C32)

R.T.: 18.474 min
Delta R.T.: 0.000 min
Response: 1225099
Conc: 10.67 ug/ml



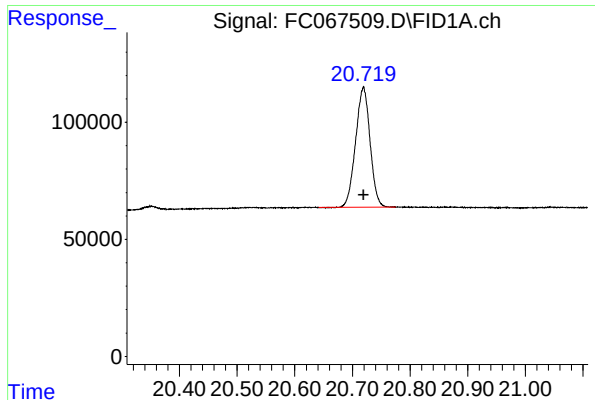
#19 n-Tetatriacontane (C34)

R.T.: 19.257 min
Delta R.T.: 0.000 min
Response: 1087201
Conc: 10.64 ug/ml



#20 n-Hexatriacontane (C36)

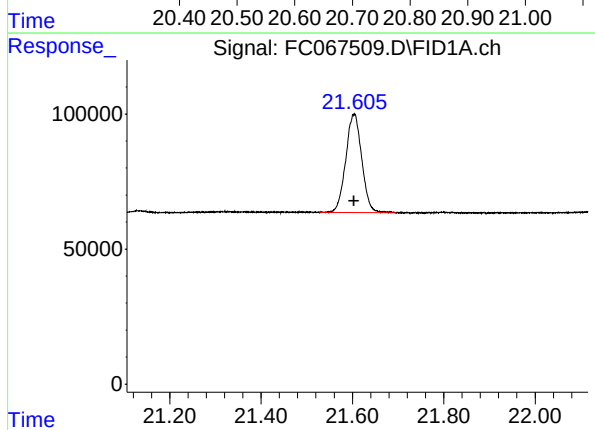
R.T.: 19.995 min
Delta R.T.: 0.000 min
Response: 941330
Conc: 10.53 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.719 min
Delta R.T.: 0.000 min
Response: 898154
Conc: 10.53 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.604 min
Delta R.T.: 0.000 min
Response: 882650
Conc: 10.52 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
 Data File : FC067509.D
 Signal(s) : FID1A.ch
 Acq On : 23 Oct 2024 17:02
 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 102324.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	3.327	BB	163023	1392325	91.41%	5.034%
2	4.338	4.289	4.404	BB	153448	1408883	92.49%	5.094%
3	5.916	5.857	5.999	BB	163420	1523229	100.00%	5.507%
4	6.353	6.292	6.417	BB	139335	1397121	91.72%	5.051%
5	6.971	6.909	7.067	BB	137359	1445653	94.91%	5.227%
6	8.146	8.094	8.210	BB	122199	1348794	88.55%	4.876%
7	9.744	9.682	9.805	BB	117477	1353251	88.84%	4.892%
8	11.184	11.077	11.247	BB	117457	1362847	89.47%	4.927%
9	11.495	11.434	11.554	BB	135385	1516253	99.54%	5.482%
10	12.491	12.422	12.554	BB	101975	1299257	85.30%	4.697%
11	12.934	12.875	12.987	BB	92846	1104370	72.50%	3.993%
12	13.102	13.034	13.167	BB	103848	1272574	83.54%	4.601%
13	13.687	13.622	13.755	BB	98770	1260218	82.73%	4.556%
14	14.789	14.729	14.859	BB	96250	1251574	82.17%	4.525%
15	15.808	15.744	15.872	BB	89337	1226594	80.53%	4.435%
16	16.756	16.694	16.817	BB	91173	1213286	79.65%	4.386%
17	17.643	17.577	17.707	BB	85908	1249088	82.00%	4.516%
18	18.474	18.404	18.530	BB	81392	1225099	80.43%	4.429%
19	19.257	19.182	19.322	BB	75084	1087201	71.37%	3.931%
20	19.995	19.942	20.039	BB	65222	941330	61.80%	3.403%
21	20.719	20.642	20.775	BB	51277	898154	58.96%	3.247%
22	21.604	21.527	21.695	BB	35971	882650	57.95%	3.191%
Sum of corrected areas:						27659751		

Aliphatic EPH 102324.M Wed Oct 23 18:21:58 2024

Lab Sample ID:	5 PPM ALIPHATIC HC S	Acq On:	23 Oct 2024 17:38
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067510.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.174	6.454	2101198.000	15.000	ug/ml
Aliphatic C12-C16	6.455	9.845	1358541.000	10.000	ug/ml
Aliphatic C16-C21	9.846	13.203	1979840.000	15.000	ug/ml
Aliphatic C21-C28	13.204	16.858	2510279.000	20.000	ug/ml
Aliphatic C28-C40	16.859	21.704	3289360.000	30.000	ug/ml
Aliphatic EPH	3.174		11239218.000	90.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
 Data File : FC067510.D
 Signal(s) : FID1A.ch
 Acq On : 23 Oct 2024 17:38
 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 23 18:12:12 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 18:12:02 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)	11.494	768220	5.236 ug/ml
Spiked Amount 50.000		Recovery =	10.47%
12) S 1-chlorooctadecane (S...	12.933	555182	5.141 ug/ml
Spiked Amount 50.000		Recovery =	10.28%
Target Compounds			
1) T n-Nonane (C9)	3.275	697792	5.180 ug/ml
2) T n-Decane (C10)	4.339	703136	5.161 ug/ml
3) T A~Naphthalene (C11.7)	5.917	752949	5.081 ug/ml
4) T n-Dodecane (C12)	6.354	700270	5.170 ug/ml
5) T A~2-methylnaphthalene...	6.971	709834	5.026 ug/ml
6) T n-Tetradecane (C14)	8.146	678328	5.168 ug/ml
7) T n-Hexadecane (C16)	9.744	680213	5.149 ug/ml
8) T n-Octadecane (C18)	11.184	680709	5.152 ug/ml
10) T n-Eicosane (C20)	12.491	658066	5.215 ug/ml
11) T n-Heneicosane (C21)	13.102	641065	5.194 ug/ml
13) T n-Docosane (C22)	13.687	638712	5.216 ug/ml
14) T n-Tetracosane (C24)	14.789	629495	5.193 ug/ml
15) T n-Hexacosane (C26)	15.808	620443	5.211 ug/ml
16) T n-Octacosane (C28)	16.758	621629	5.284 ug/ml
17) T n-Tricontane (C30)	17.643	658247	5.446 ug/ml
18) T n-Dotriacontane (C32)	18.474	660916	5.586 ug/ml
19) T n-Tetratriacontane (C34)	19.256	574804	5.489 ug/ml
20) T n-Hexatriacontane (C36)	19.994	488556	5.367 ug/ml
21) T n-Octatriacontane (C38)	20.718	459107	5.301 ug/ml
22) T n-Tetracontane (C40)	21.603	447730	5.267 ug/ml

(f)=RT Delta > 1/2 Window

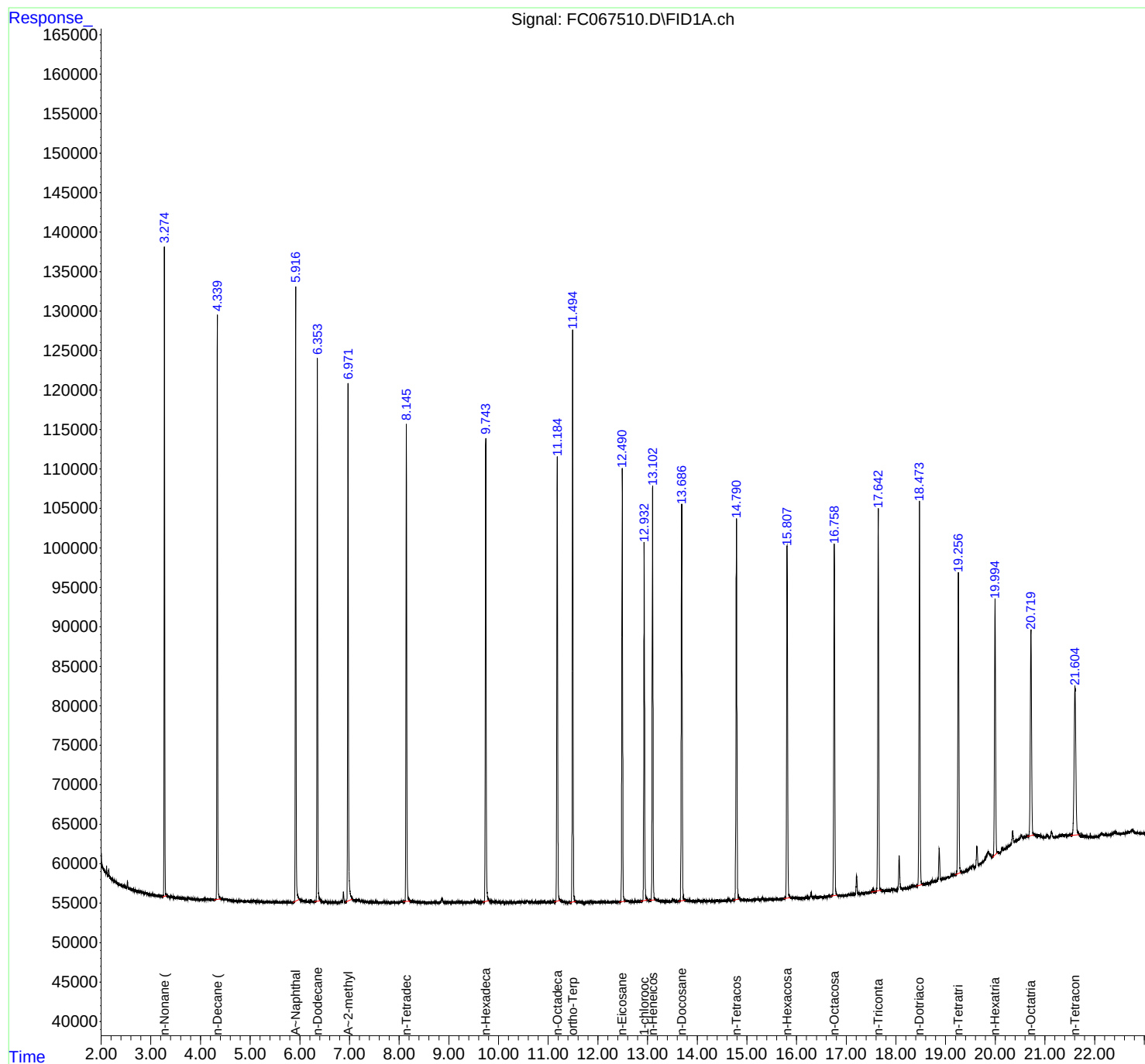
(m)=manual int.

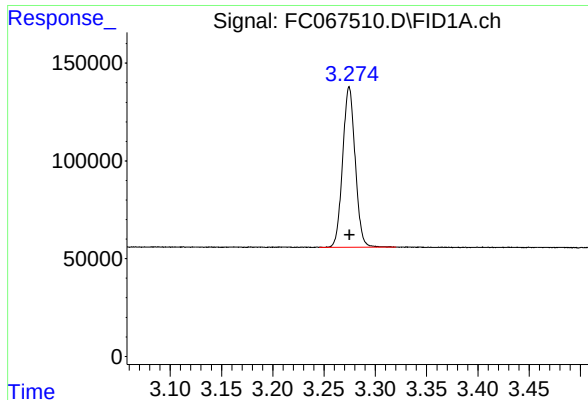
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067510.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:38
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 23 18:12:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

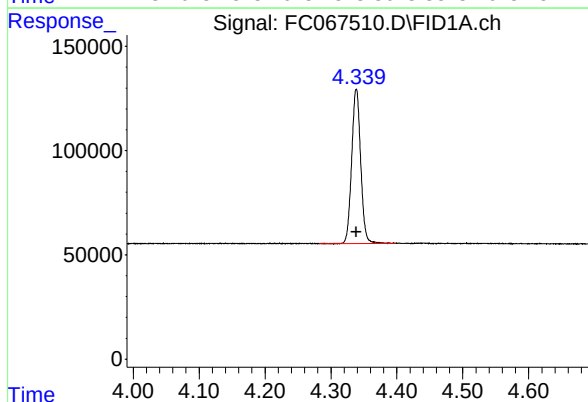




#1 n-Nonane (C9)

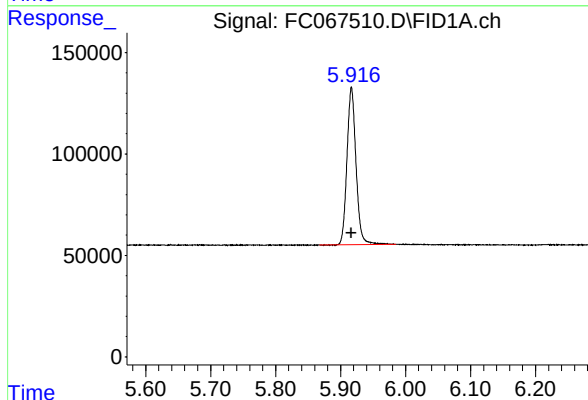
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 697792
Conc: 5.18 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



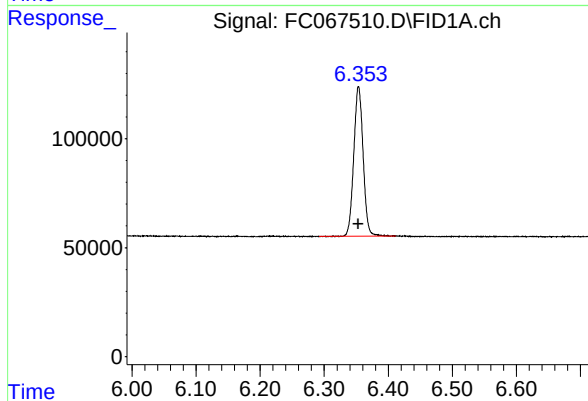
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: 0.000 min
Response: 703136
Conc: 5.16 ug/ml



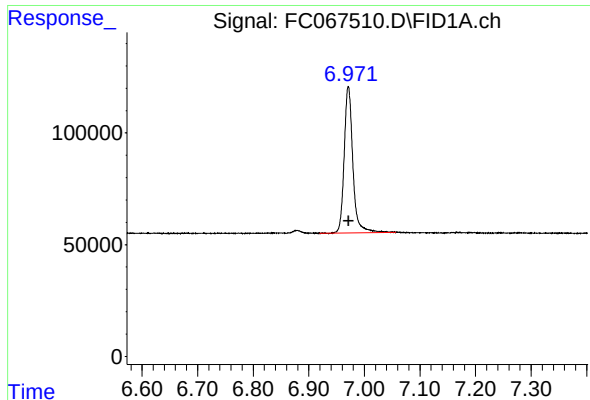
#3 A~Naphthalene (C11.7)

R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 752949
Conc: 5.08 ug/ml



#4 n-Dodecane (C12)

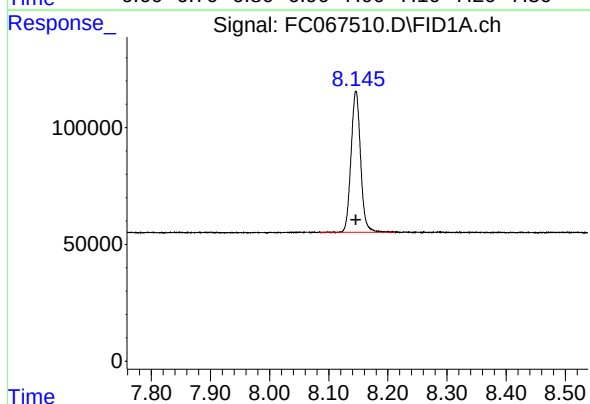
R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 700270
Conc: 5.17 ug/ml



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

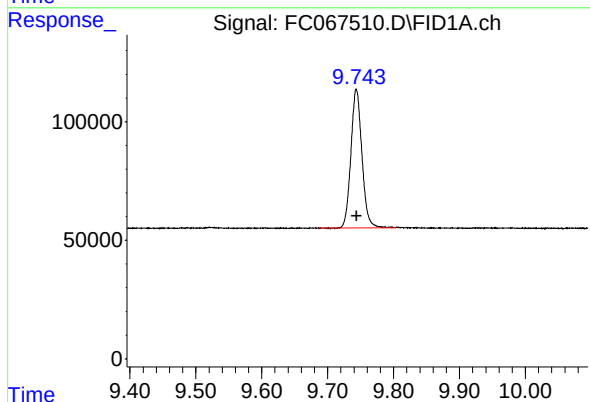
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 709834
Conc: 5.03 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



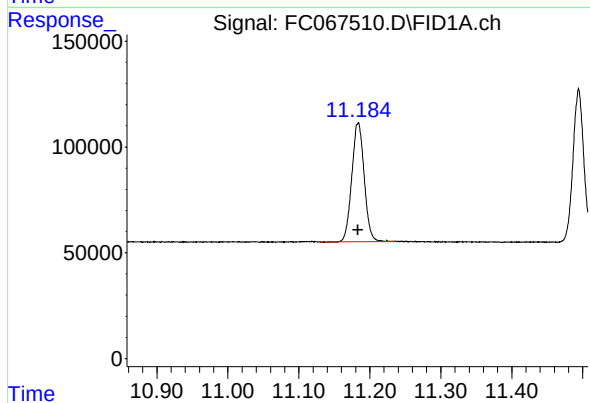
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 678328
Conc: 5.17 ug/ml



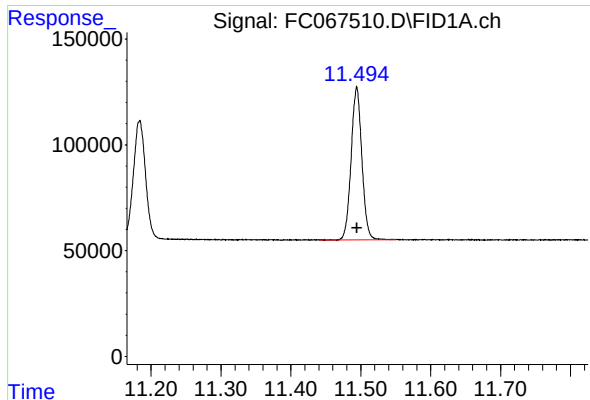
#7 n-Hexadecane (C16)

R.T.: 9.744 min
Delta R.T.: 0.000 min
Response: 680213
Conc: 5.15 ug/ml



#8 n-Octadecane (C18)

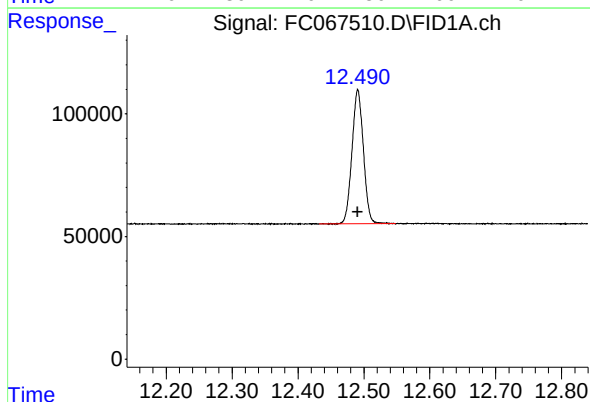
R.T.: 11.184 min
Delta R.T.: 0.000 min
Response: 680709
Conc: 5.15 ug/ml



#9 ortho-Terphenyl (SURR)

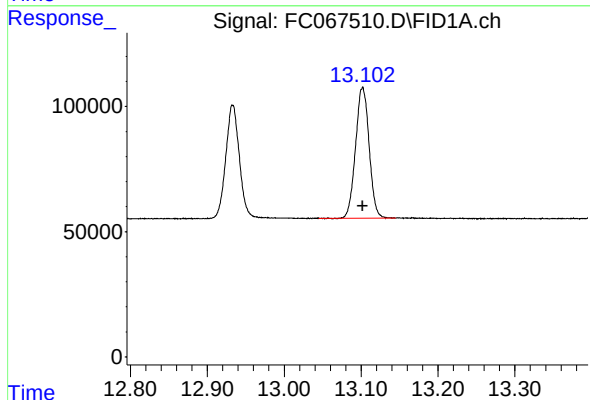
R.T.: 11.494 min
Delta R.T.: 0.000 min
Response: 768220
Conc: 5.24 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



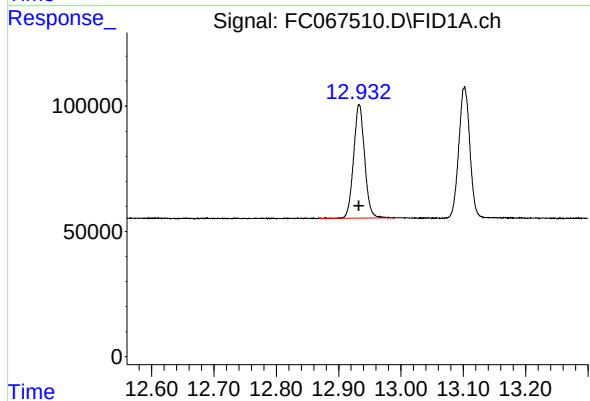
#10 n-Eicosane (C20)

R.T.: 12.491 min
Delta R.T.: 0.000 min
Response: 658066
Conc: 5.22 ug/ml



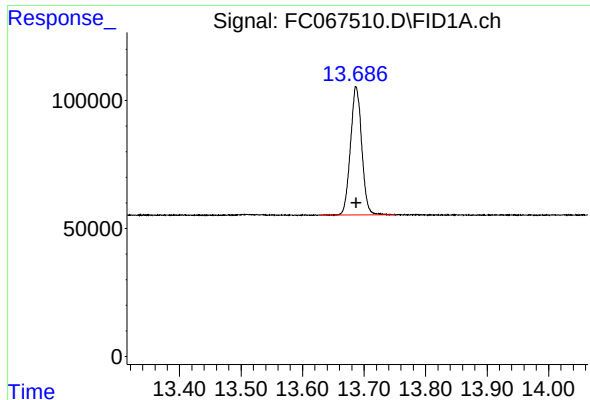
#11 n-Heneicosane (C21)

R.T.: 13.102 min
Delta R.T.: 0.000 min
Response: 641065
Conc: 5.19 ug/ml



#12 1-chlorooctadecane (SURR)

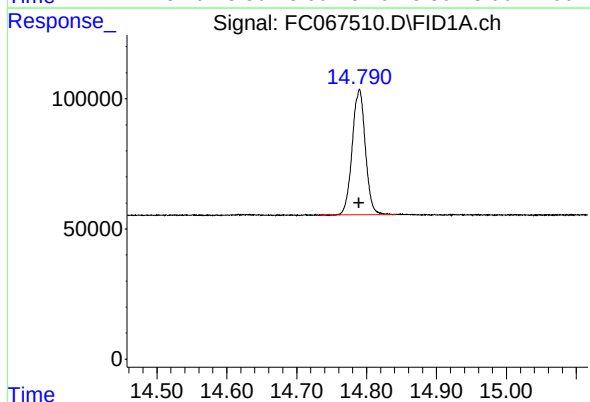
R.T.: 12.933 min
Delta R.T.: 0.000 min
Response: 555182
Conc: 5.14 ug/ml



#13 n-Docosane (C22)

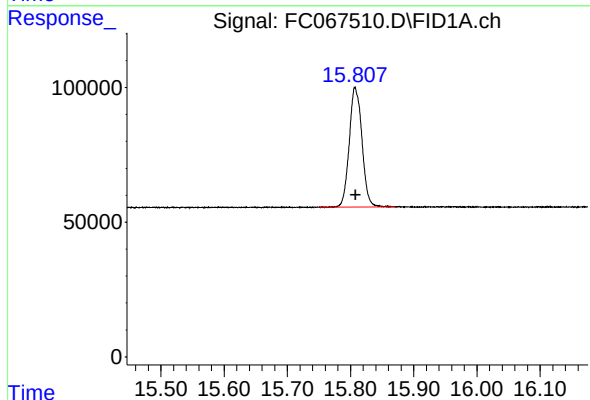
R.T.: 13.687 min
Delta R.T.: 0.000 min
Response: 638712
Conc: 5.22 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



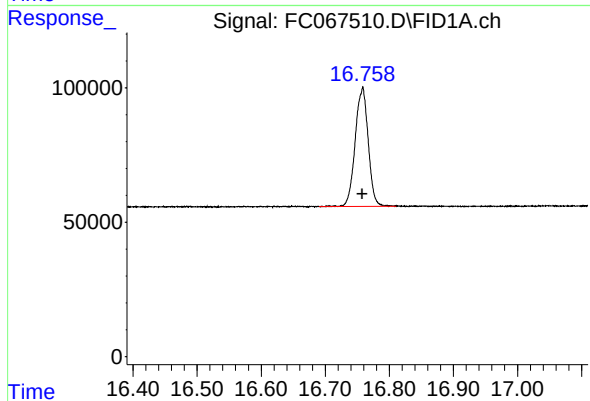
#14 n-Tetracosane (C24)

R.T.: 14.789 min
Delta R.T.: 0.000 min
Response: 629495
Conc: 5.19 ug/ml



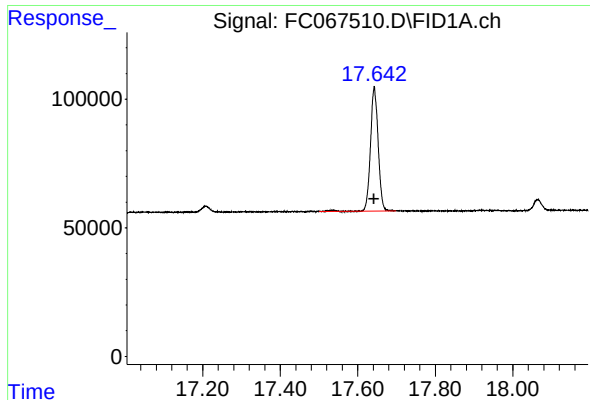
#15 n-Hexacosane (C26)

R.T.: 15.808 min
Delta R.T.: 0.000 min
Response: 620443
Conc: 5.21 ug/ml



#16 n-Octacosane (C28)

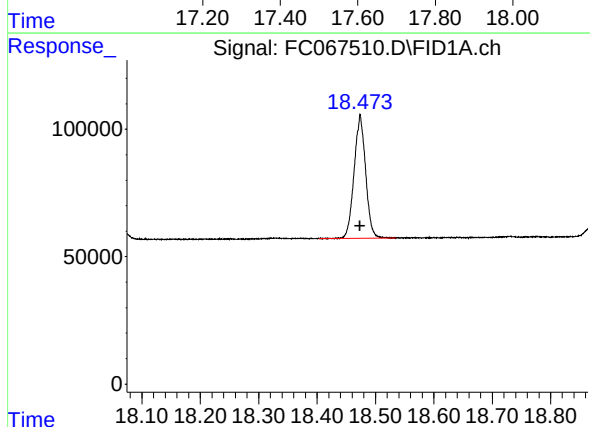
R.T.: 16.758 min
Delta R.T.: 0.000 min
Response: 621629
Conc: 5.28 ug/ml



#17 n-Tricontane (C30)

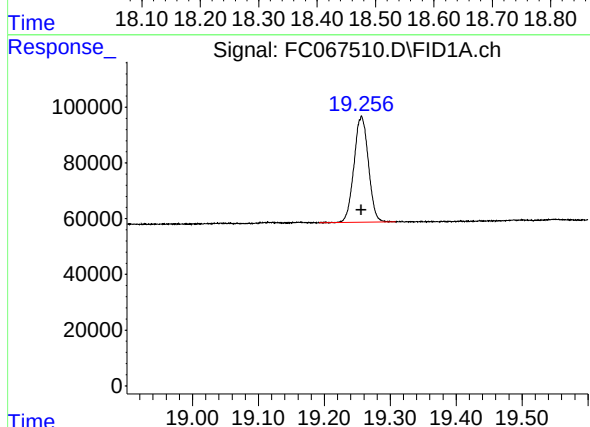
R.T.: 17.643 min
Delta R.T.: 0.000 min
Response: 658247
Conc: 5.45 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



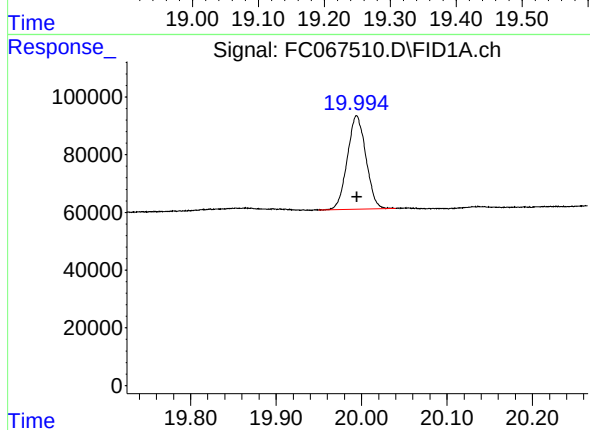
#18 n-Dotriacontane (C32)

R.T.: 18.474 min
Delta R.T.: 0.000 min
Response: 660916
Conc: 5.59 ug/ml



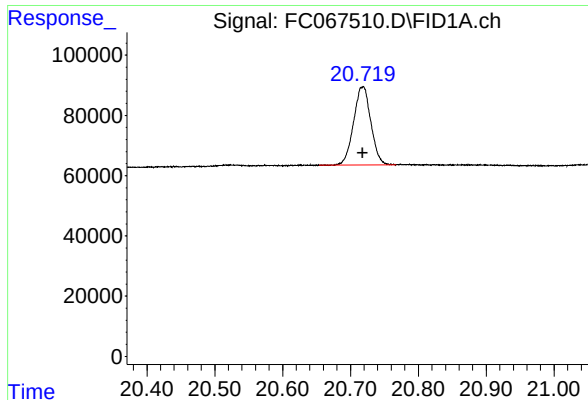
#19 n-Tetratriacontane (C34)

R.T.: 19.256 min
Delta R.T.: 0.000 min
Response: 574804
Conc: 5.49 ug/ml



#20 n-Hexatriacontane (C36)

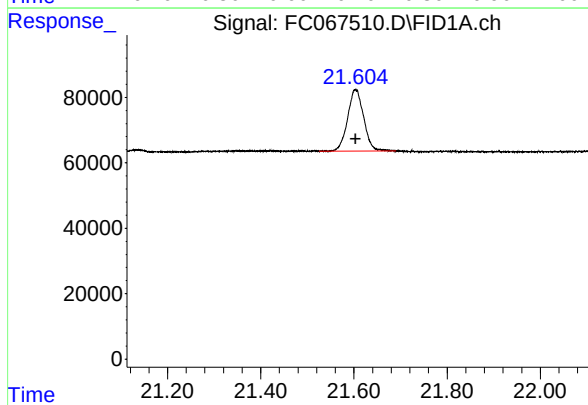
R.T.: 19.994 min
Delta R.T.: 0.000 min
Response: 488556
Conc: 5.37 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.718 min
Delta R.T.: 0.000 min
Response: 459107
Conc: 5.30 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.603 min
Delta R.T.: 0.000 min
Response: 447730
Conc: 5.27 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067510.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:38
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 102324.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	3.275	3.245	3.320	BB	82274	697792	90.83%	4.975%
2	4.339	4.282	4.399	BB	74065	703136	91.53%	5.013%
3	5.917	5.867	5.985	BB	77688	752949	98.01%	5.368%
4	6.354	6.292	6.412	BB	68794	700270	91.15%	4.993%
5	6.971	6.919	7.057	BB	65640	709834	92.40%	5.061%
6	8.146	8.084	8.214	BB	60655	678328	88.30%	4.836%
7	9.744	9.687	9.804	BB	58521	680213	88.54%	4.850%
8	11.184	11.129	11.237	BB	55995	680709	88.61%	4.853%
9	11.494	11.440	11.550	BB	71976	768220	100.00%	5.477%
10	12.491	12.432	12.549	BB	54755	658066	85.66%	4.692%
11	12.933	12.869	12.992	BB	45156	555182	72.27%	3.958%
12	13.102	13.045	13.145	BB	52087	641065	83.45%	4.571%
13	13.687	13.627	13.752	BB	50083	638712	83.14%	4.554%
14	14.789	14.732	14.842	BB	47789	629495	81.94%	4.488%
15	15.808	15.750	15.872	BB	43825	620443	80.76%	4.424%
16	16.758	16.690	16.810	BB	44656	621629	80.92%	4.432%
17	17.643	17.500	17.699	BB	47945	658247	85.68%	4.693%
18	18.474	18.404	18.535	BB	48459	660916	86.03%	4.712%
19	19.256	19.192	19.309	BB	38187	574804	74.82%	4.098%
20	19.994	19.950	20.040	BB	32420	488556	63.60%	3.483%
21	20.718	20.654	20.767	BB	25975	459107	59.76%	3.273%
22	21.603	21.525	21.690	BB	18849	447730	58.28%	3.192%
Sum of corrected areas:						14025400		

Aliphatic EPH 102324.M Wed Oct 23 18:22:16 2024

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	20 PPM ALIPHATIC HC S'	Acq On:	23 Oct 2024 18:14
Client Sample ID:	20 PPM ALIPHATIC HC S'	Operator:	YP/AJ
Data file:	FC067511.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	3.174	6.454	10797590	79.705	300	ug/ml
Aliphatic C12-C16	6.455	9.845	7916730	60.12	200	ug/ml
Aliphatic C16-C21	9.846	13.203	7473858	58.741	300	ug/ml
Aliphatic C21-C28	13.204	16.858	9383684	78.139	400	ug/ml
Aliphatic C28-C40	16.859	21.704	11843339	117.153	600	ug/ml
Aliphatic EPH	3.174	21.704	47415201	393.857		ug/ml
ortho-Terphenyl (SURR)	11.496	11.496	2853188	19.44		ug/ml
1-chlorooctadecane (SURR)	12.935	12.935	2112213	19.56		ug/ml
Aliphatic C9-C28	3.174	16.858	35571862	276.705	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
 Data File : FC067511.D
 Signal(s) : FID1A.ch
 Acq On : 23 Oct 2024 18:14
 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 23 18:51:58 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 18:12:58 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	2853188	19.445 ug/ml
Spiked Amount 50.000		Recovery =	38.89%
12) S 1-chlorooctadecane (S...	12.935	2112213	19.560 ug/ml
Spiked Amount 50.000		Recovery =	39.12%
Target Compounds			
1) T n-Nonane (C9)	3.274	2613683	19.401 ug/ml
2) T n-Decane (C10)	4.339	2649286	19.445 ug/ml
3) T A~Naphthalene (C11.7)	5.916	2894144	19.530 ug/ml
4) T n-Dodecane (C12)	6.354	2640477	19.495 ug/ml
5) T A~2-methylnaphthalene...	6.971	2771002	19.622 ug/ml
6) T n-Tetradecane (C14)	8.147	2559793	19.502 ug/ml
7) T n-Hexadecane (C16)	9.744	2585935	19.575 ug/ml
8) T n-Octadecane (C18)	11.185	2593351	19.630 ug/ml
10) T n-Eicosane (C20)	12.493	2466507	19.548 ug/ml
11) T n-Heneicosane (C21)	13.103	2414000	19.560 ug/ml
13) T n-Docosane (C22)	13.688	2390568	19.523 ug/ml
14) T n-Tetracosane (C24)	14.790	2369147	19.546 ug/ml
15) T n-Hexacosane (C26)	15.809	2326770	19.544 ug/ml
16) T n-Octacosane (C28)	16.757	2297199	19.526 ug/ml
17) T n-Tricontane (C30)	17.643	2353840	19.474 ug/ml
18) T n-Dotriacontane (C32)	18.474	2301371	19.450 ug/ml
19) T n-Tetratriacontane (C34)	19.258	2044186	19.519 ug/ml
20) T n-Hexatriacontane (C36)	19.996	1784212	19.601 ug/ml
21) T n-Octatriacontane (C38)	20.719	1698313	19.610 ug/ml
22) T n-Tetracontane (C40)	21.604	1661417	19.544 ug/ml

(f)=RT Delta > 1/2 Window

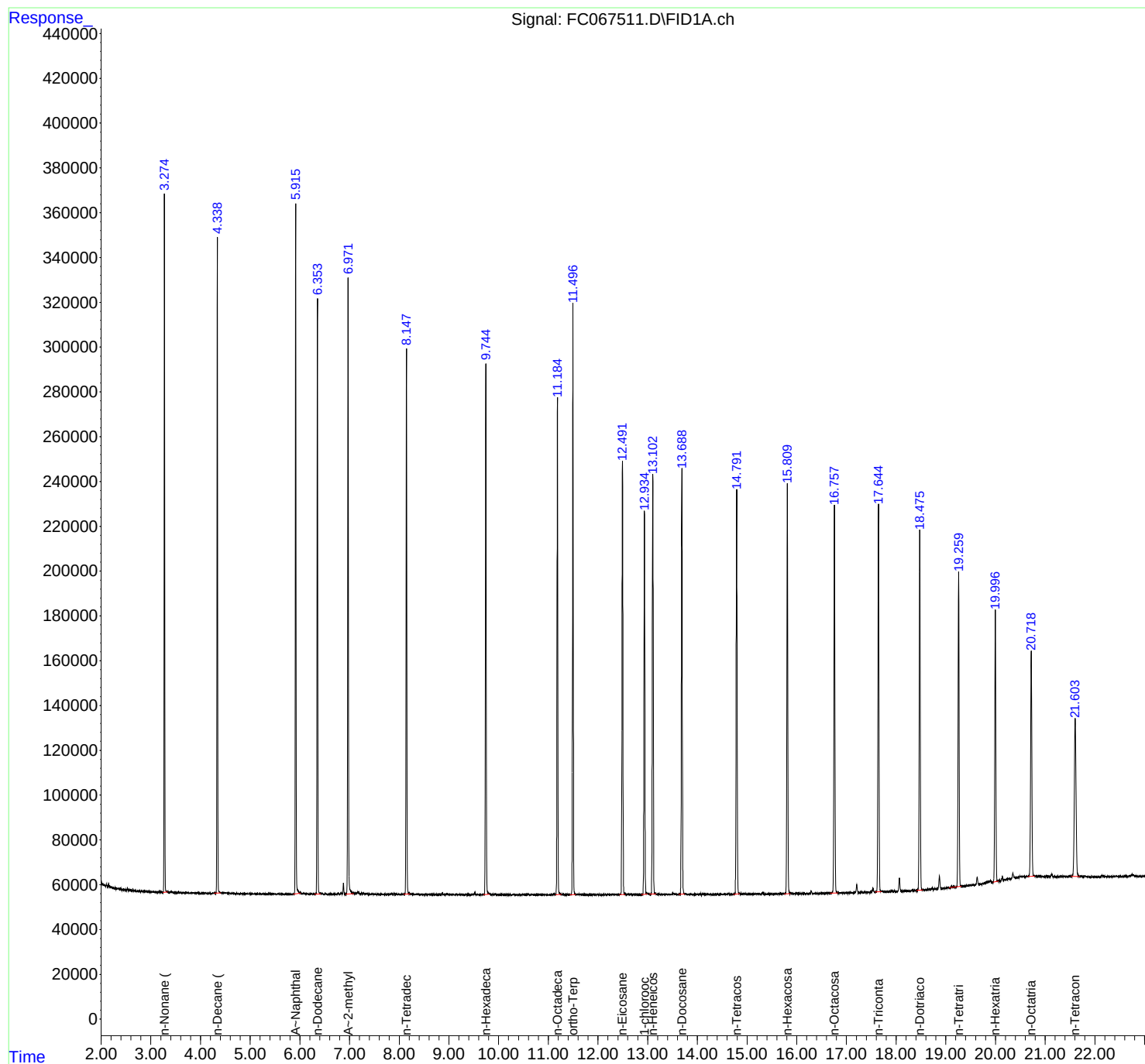
(m)=manual int.

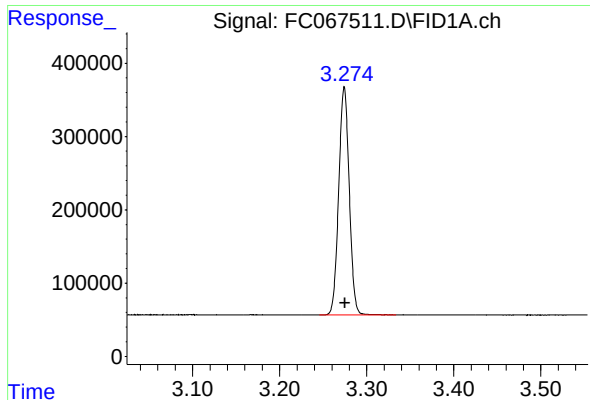
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067511.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 18:14
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 23 18:51:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 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)

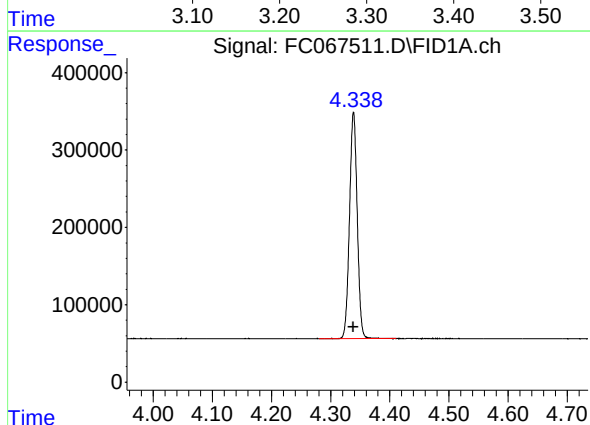
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 2613683
Conc: 19.40 ug/ml

Instrument :

FID_C

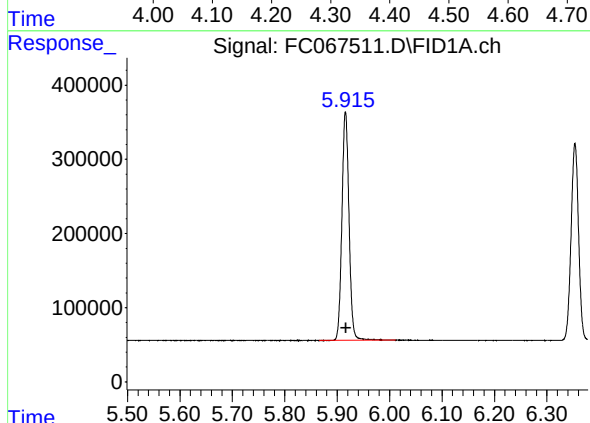
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



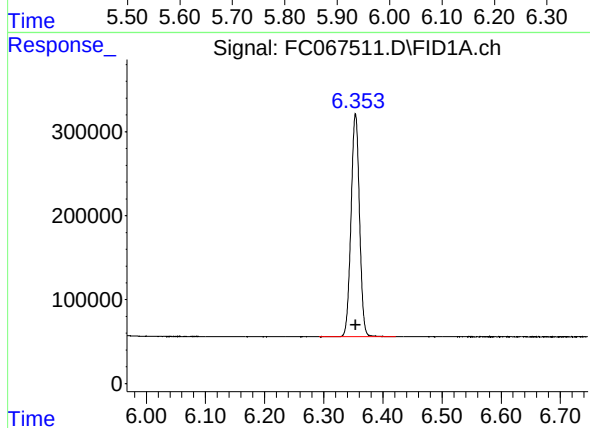
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: 0.000 min
Response: 2649286
Conc: 19.44 ug/ml



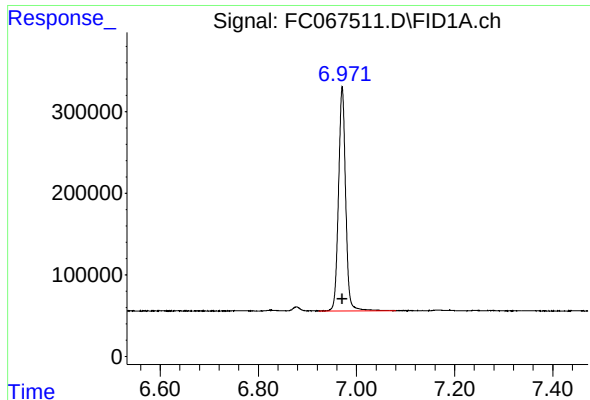
#3 A~Naphthalene (C11.7)

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 2894144
Conc: 19.53 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 2640477
Conc: 19.50 ug/ml



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

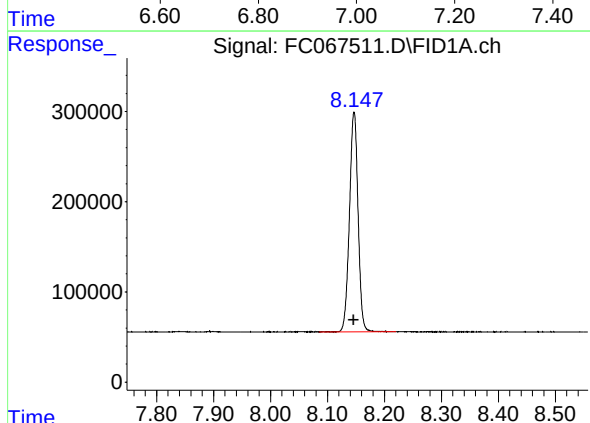
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 2771002
Conc: 19.62 ug/ml

Instrument :

FID_C

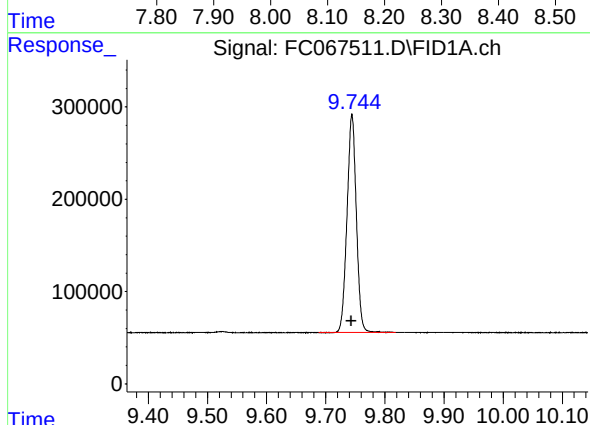
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



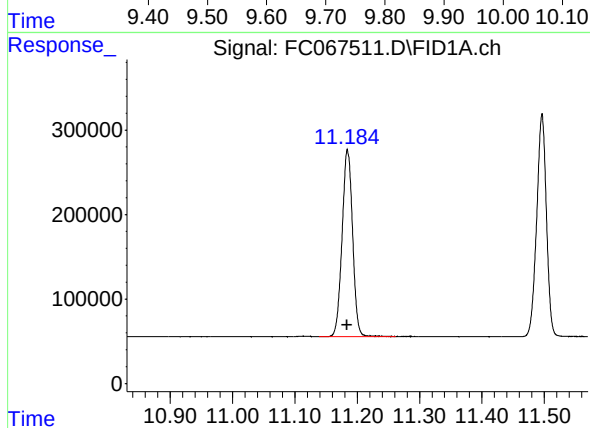
#6 n-Tetradecane (C14)

R.T.: 8.147 min
Delta R.T.: 0.000 min
Response: 2559793
Conc: 19.50 ug/ml



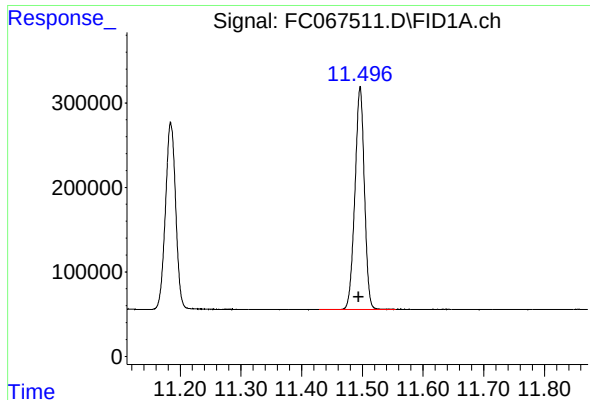
#7 n-Hexadecane (C16)

R.T.: 9.744 min
Delta R.T.: 0.000 min
Response: 2585935
Conc: 19.58 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.185 min
Delta R.T.: 0.000 min
Response: 2593351
Conc: 19.63 ug/ml



#9 ortho-Terphenyl (SURR)

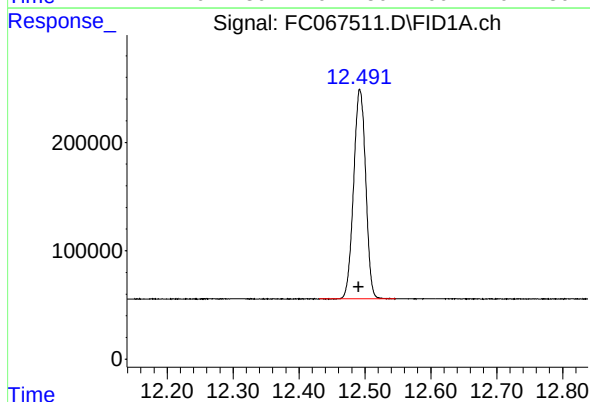
R.T.: 11.496 min
Delta R.T.: 0.002 min
Response: 2853188
Conc: 19.44 ug/ml

Instrument :

FID_C

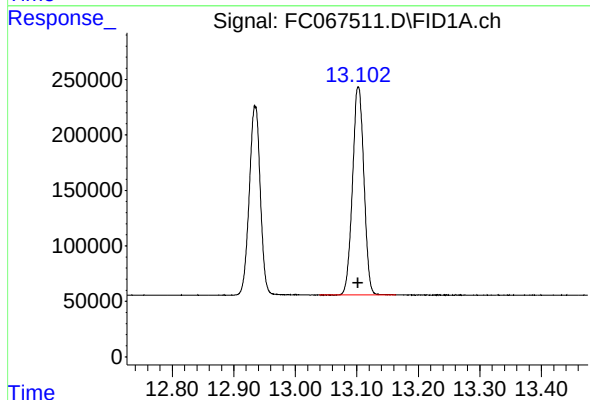
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



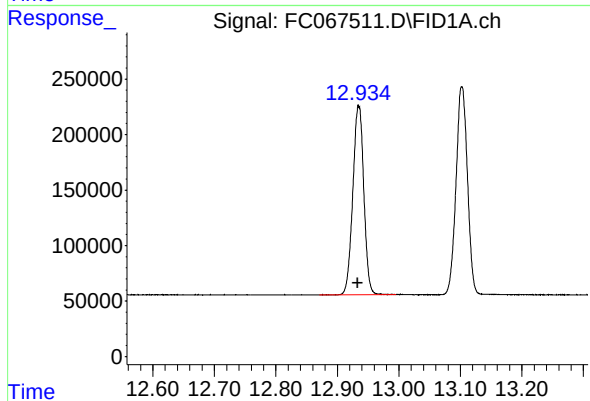
#10 n-Eicosane (C20)

R.T.: 12.493 min
Delta R.T.: 0.002 min
Response: 2466507
Conc: 19.55 ug/ml



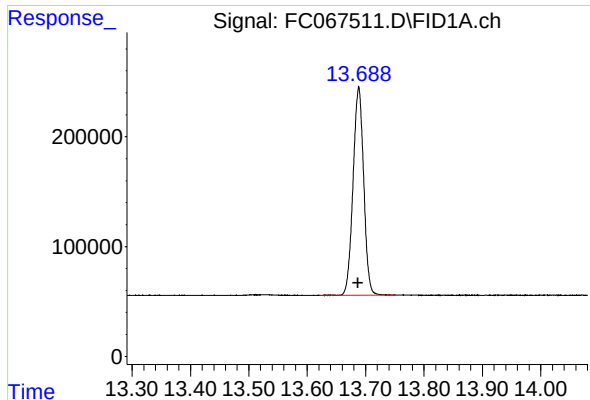
#11 n-Heneicosane (C21)

R.T.: 13.103 min
Delta R.T.: 0.000 min
Response: 2414000
Conc: 19.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.935 min
Delta R.T.: 0.002 min
Response: 2112213
Conc: 19.56 ug/ml



#13 n-Docosane (C22)

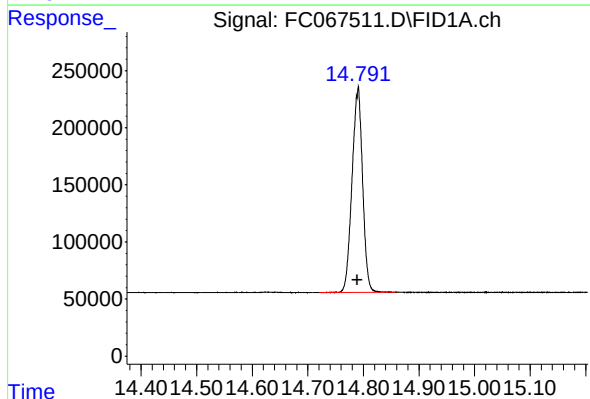
R.T.: 13.688 min
Delta R.T.: 0.000 min
Response: 2390568
Conc: 19.52 ug/ml

Instrument :

FID_C

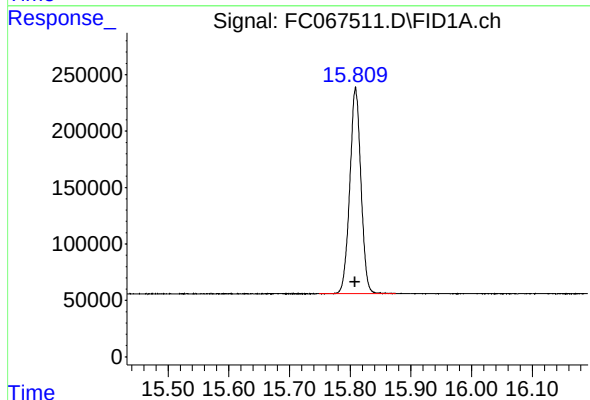
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



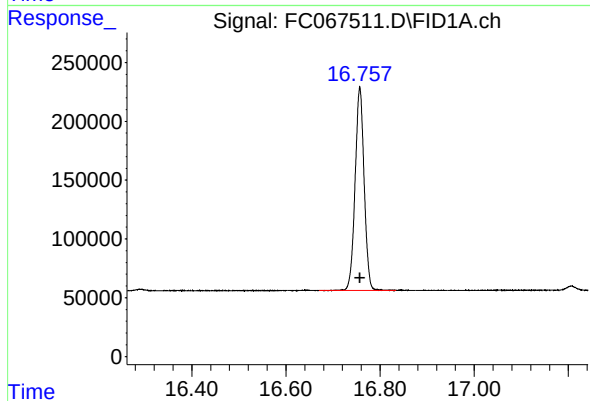
#14 n-Tetracosane (C24)

R.T.: 14.790 min
Delta R.T.: 0.000 min
Response: 2369147
Conc: 19.55 ug/ml



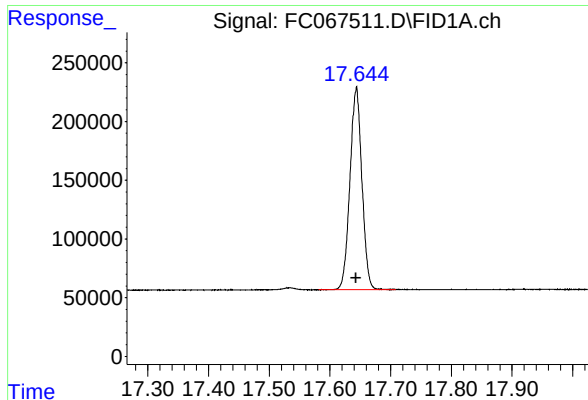
#15 n-Hexacosane (C26)

R.T.: 15.809 min
Delta R.T.: 0.001 min
Response: 2326770
Conc: 19.54 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.757 min
Delta R.T.: 0.000 min
Response: 2297199
Conc: 19.53 ug/ml



#17 n-Tricontane (C30)

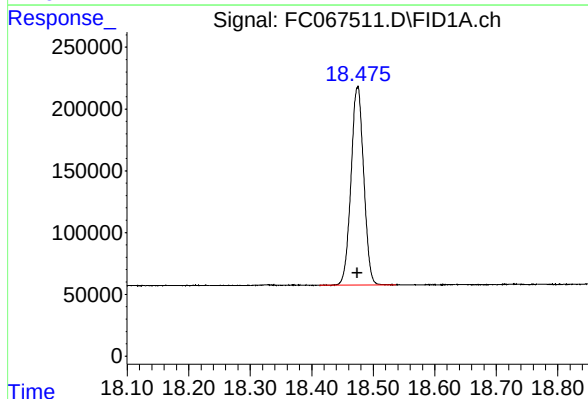
R.T.: 17.643 min
Delta R.T.: 0.000 min
Response: 2353840
Conc: 19.47 ug/ml

Instrument :

FID_C

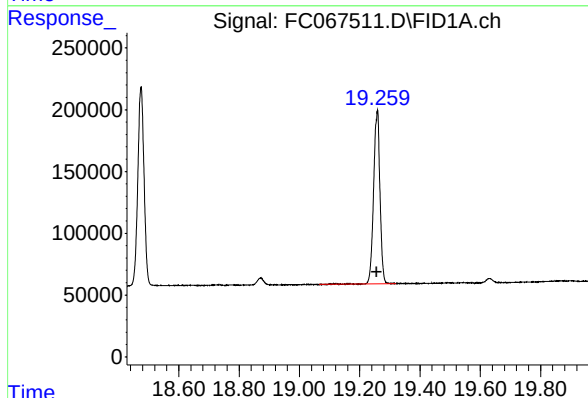
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



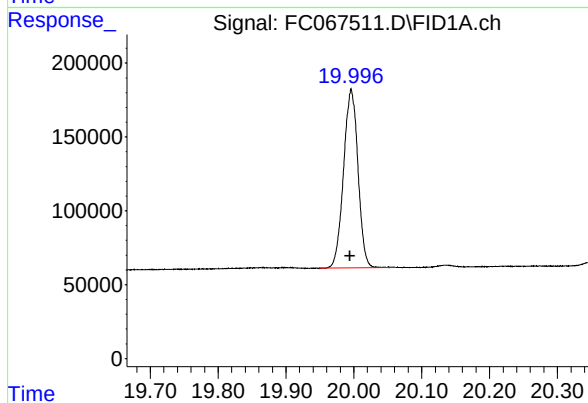
#18 n-Dotriacontane (C32)

R.T.: 18.474 min
Delta R.T.: 0.000 min
Response: 2301371
Conc: 19.45 ug/ml



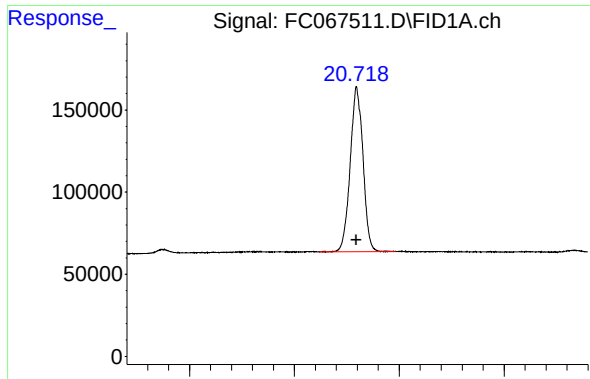
#19 n-Tetratriacontane (C34)

R.T.: 19.258 min
Delta R.T.: 0.002 min
Response: 2044186
Conc: 19.52 ug/ml



#20 n-Hexatriacontane (C36)

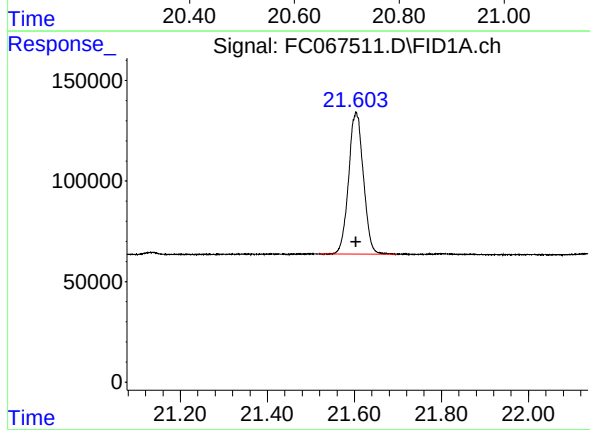
R.T.: 19.996 min
Delta R.T.: 0.002 min
Response: 1784212
Conc: 19.60 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.719 min
Delta R.T.: 0.000 min
Response: 1698313
Conc: 19.61 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.604 min
Delta R.T.: 0.000 min
Response: 1661417
Conc: 19.54 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067511.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 18:14
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 102324.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	3.334	BB	310826	2613683	90.31%	4.990%
2	4.339	4.280	4.410	BB	292955	2649286	91.54%	5.058%
3	5.916	5.865	6.012	BB	308318	2894144	100.00%	5.525%
4	6.354	6.292	6.422	BB	265716	2640477	91.24%	5.041%
5	6.971	6.924	7.080	BB	274073	2771002	95.75%	5.290%
6	8.147	8.085	8.220	BB	244098	2559793	88.45%	4.887%
7	9.744	9.689	9.819	BB	236009	2585935	89.35%	4.937%
8	11.185	11.139	11.262	BB	218367	2593351	89.61%	4.951%
9	11.496	11.429	11.555	BB	264747	2853188	98.58%	5.447%
10	12.493	12.430	12.547	BB	193698	2466507	85.22%	4.709%
11	12.935	12.870	12.995	BB	169232	2112213	72.98%	4.032%
12	13.103	13.039	13.164	BB	187529	2414000	83.41%	4.609%
13	13.688	13.620	13.752	BB	190590	2390568	82.60%	4.564%
14	14.790	14.720	14.859	BB	178398	2369147	81.86%	4.523%
15	15.809	15.749	15.875	BB	181908	2326770	80.40%	4.442%
16	16.757	16.670	16.834	BB	173028	2297199	79.37%	4.386%
17	17.643	17.582	17.709	BB	172064	2353840	81.33%	4.494%
18	18.474	18.412	18.537	BB	160280	2301371	79.52%	4.394%
19	19.258	19.065	19.320	BB	140731	2044186	70.63%	3.903%
20	19.996	19.949	20.062	BB	120232	1784212	61.65%	3.406%
21	20.719	20.647	20.794	BB	100162	1698313	58.68%	3.242%
22	21.604	21.519	21.695	BB	70657	1661417	57.41%	3.172%
Sum of corrected areas:							52380600	

Aliphatic EPH 102324.M Wed Oct 23 18:53:21 2024

Initial Calibration Report for SequenceID : FD102324AR

AreaCount

Parameter Range	FD048568.D	FD048569.D	FD048570.D	FD048571.D	FD048572.D	
Aromatic C10-C12	34560081.000	17413124.000	7062069.000	3602660.000	1773971.000	
Aromatic C12-C16	51756513.000	26214353.000	10660566.000	5474983.000	2683618.000	
Aromatic C16-C21	64464447.000	32614919.000	13171585.000	6675037.000	3268126.000	
Aromatic C21-C36	134161995.000	67904676.000	27627174.000	14154223.000	6877987.000	
Aromatic EPH	284943036.000	144147072.000	58521394.000	29906903.000	14603702.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	176202.694	1.627				
Aromatic C12-C16	177273.4926664	2.167				
Aromatic C16-C21	163832.55	1.288				
Aromatic C21-C36	152713.1526664	2.017				
Aromatic EPH	161887.4688884	1.816				

Concentration

Parameter Range	FD048568.D	FD048569.D	FD048570.D	FD048571.D	FD048572.D	
Aromatic C10-C12	200.000	100.000	40.000	20.000	10.000	
Aromatic C12-C16	300.000	150.000	60.000	30.000	15.000	
Aromatic C16-C21	400.000	200.000	80.000	40.000	20.000	
Aromatic C21-C36	900.000	450.000	180.000	90.000	45.000	
Aromatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FD048568.D	FD048569.D	FD048570.D	FD048571.D	FD048572.D	
Aromatic C10-C12	172800.405000	174131.240000	176551.725000	180133.000000	177397.100000	
Aromatic C12-C16	172521.710000	174762.353333	177676.100000	182499.433333	178907.866666	
Aromatic C16-C21	161161.117500	163074.595000	164644.812500	166875.925000	163406.300000	
Aromatic C21-C36	149068.883333	150899.280000	153484.300000	157269.144444	152844.155555	
Aromatic EPH	158301.686666	160163.413333	162559.427777	166149.461111	162263.355555	

Lab Sample ID: 100 PPM AROMATIC HC

Acq On: 23 Oct 2024 15:12

Client Sample ID:

Operator: YP/AJ

Data file: FD048568.D

Misc:

Instrument: FID_D

ALS Vial: 61

Dilution Factor: 1

Sample Multiplier: 1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.095	5.813	34560081.000	200.000	ug/ml
Aromatic C12-C16	5.814	8.419	51756513.000	300.000	ug/ml
Aromatic C16-C21	8.420	12.681	64464447.000	400.000	ug/ml
Aromatic C21-C36	12.682	18.087	134161995.000	900.000	ug/ml
Aromatic EPH	4.095	18.087	284943036.000	1800.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
 Data File : FD048568.D
 Signal(s) : FID2B.ch
 Acq On : 23 Oct 2024 15:12
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Integration File: autoint1.e
 Quant Time: Oct 23 17:13:28 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 17:09:25 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.379	14919837	98.962 ug/ml
Spiked Amount 50.000		Recovery =	197.92%
6) S 2-Fluorobiphenyl (SURR)	8.230	10015694	100.124 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	200.25%#
11) S ortho-Terphenyl (SURR)	11.267	16385129	98.289 ug/ml
Spiked Amount 50.000		Recovery =	196.58%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.199	16947170	98.911 ug/ml
2) T Naphthalene (C11.7)	5.719	17612911	98.941 ug/ml
3) T 2-Methylnaphthalene (...)	6.767	17624448	99.004 ug/ml
5) T Acenaphthylene (C15.06)	8.034	17045088	98.400 ug/ml
7) T Acenaphthene (C15.5)	8.331	17086977	98.169 ug/ml
8) T Fluorene (C16.55)	9.109	16673063	98.964 ug/ml
9) T Phenanthrene (C19.36)	10.496	16410378	99.314 ug/ml
10) T Anthracene (C19.43)	10.573	15569819	98.435 ug/ml
12) T Fluoranthene (C21.85)	12.302	15981856	98.532 ug/ml
13) T Pyrene (C20.8)	12.596	15811187	98.991 ug/ml
14) T Benzo[a]anthracene (C...	14.466	14979852	100.189 ug/ml
15) T Chrysene (C27.41)	14.512	15332543	97.081 ug/ml
16) T benzo[b]fluoranthene ...	16.016	15350623	99.928 ug/ml
17) T Bnezo[k]fluoranthene ...	16.054	14161475	97.899 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.395	14921521	99.306 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.761	14261058	103.933 ug/ml
20) T Dibenz[a,h]anthracene...	17.801	14330700	95.355 ug/ml
21) T Benzo[g,h,i]perylene ...	18.019	14842367	98.211 ug/ml

(f)=RT Delta > 1/2 Window

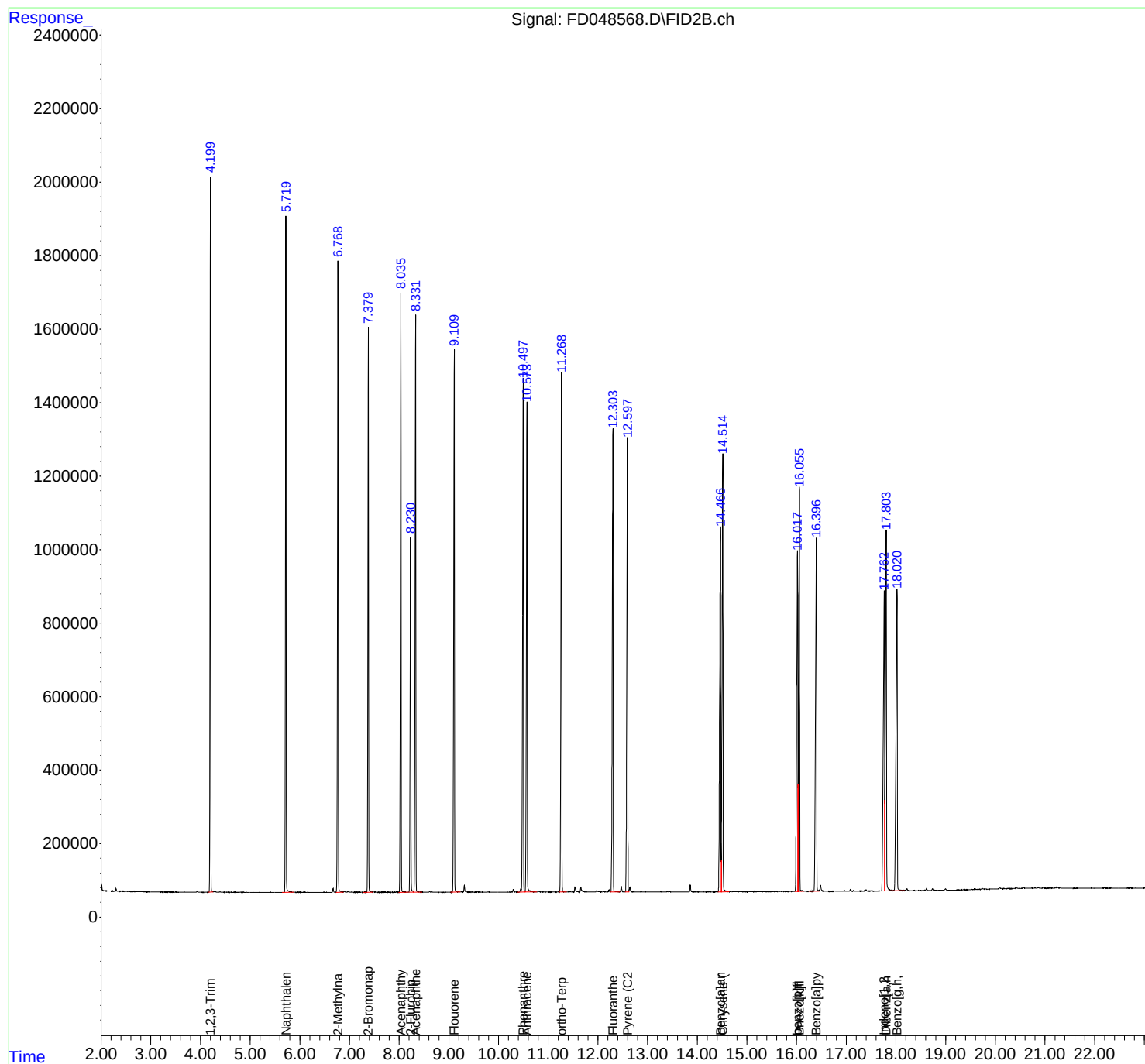
(m)=manual int.

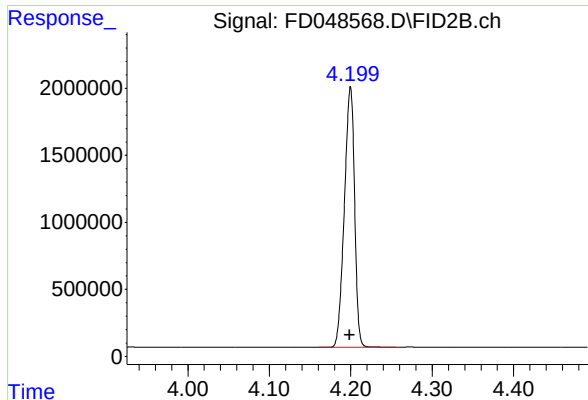
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048568.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:12
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 23 17:13:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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





#1 1,2,3-Trimethylbenzene (C10.1)

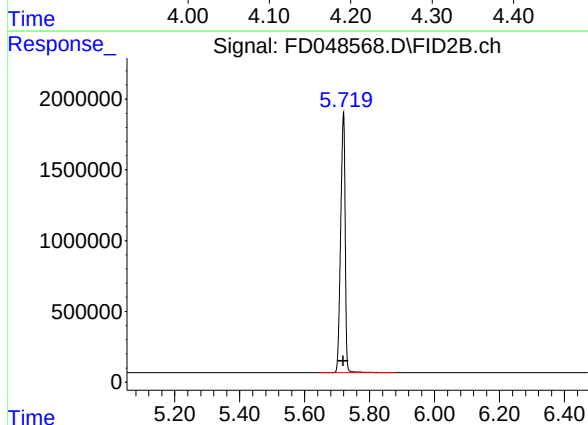
R.T.: 4.199 min
Delta R.T.: 0.000 min
Response: 16947170
Conc: 98.91 ug/ml

Instrument :

FID_D

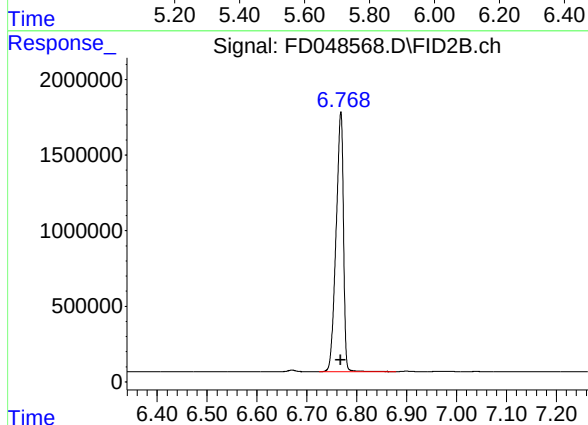
ClientSampleId :

100 PPM AROMATIC HC STD1



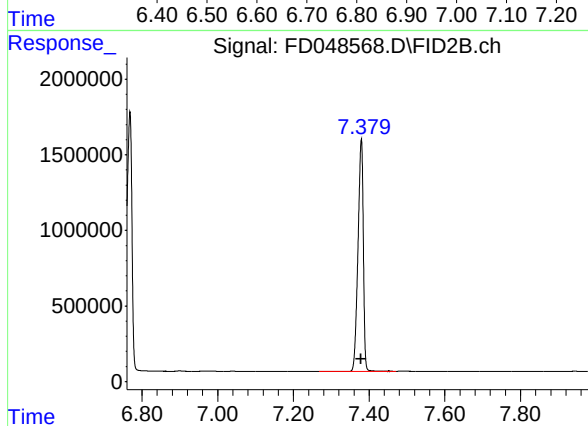
#2 Naphthalene (C11.7)

R.T.: 5.719 min
Delta R.T.: 0.000 min
Response: 17612911
Conc: 98.94 ug/ml



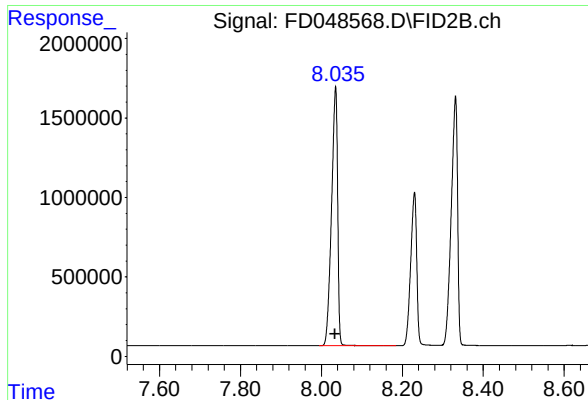
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.767 min
Delta R.T.: 0.000 min
Response: 17624448
Conc: 99.00 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.379 min
Delta R.T.: 0.000 min
Response: 14919837
Conc: 98.96 ug/ml



#5 Acenaphthylene (C15.06)

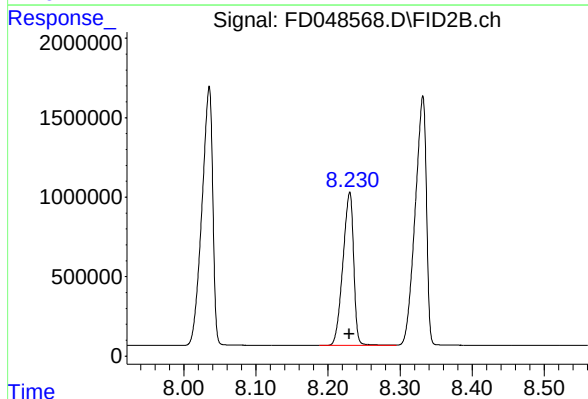
R.T.: 8.034 min
Delta R.T.: 0.000 min
Response: 17045088
Conc: 98.40 ug/ml

Instrument :

FID_D

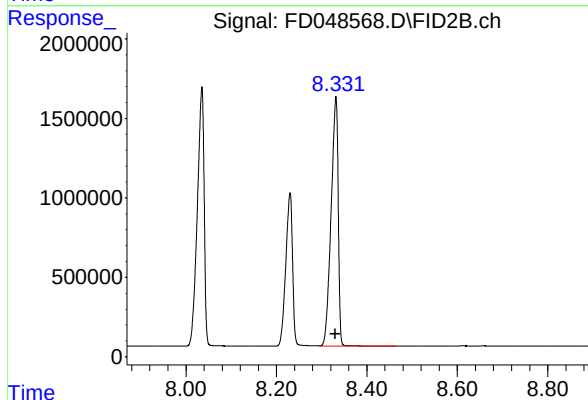
ClientSampleId :

100 PPM AROMATIC HC STD1



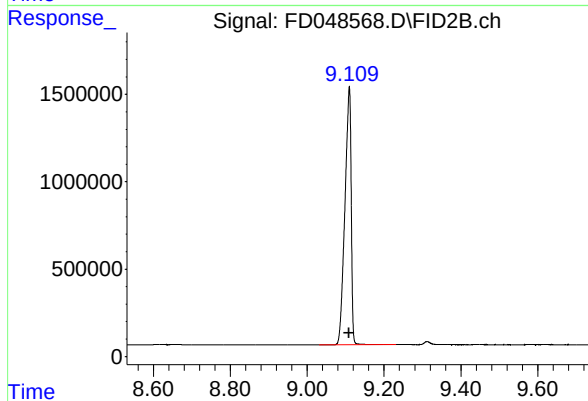
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.230 min
Delta R.T.: 0.000 min
Response: 10015694
Conc: 100.12 ug/ml



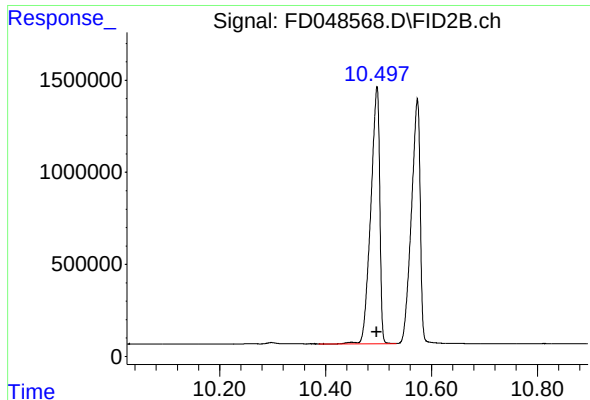
#7 Acenaphthene (C15.5)

R.T.: 8.331 min
Delta R.T.: 0.000 min
Response: 17086977
Conc: 98.17 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.109 min
Delta R.T.: 0.000 min
Response: 16673063
Conc: 98.96 ug/ml



#9 Phenanthrene (C19.36)

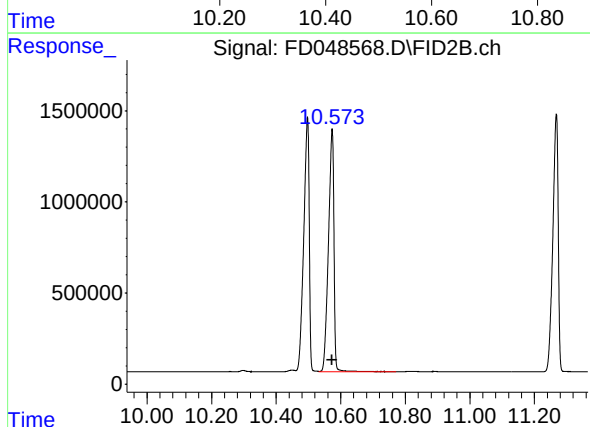
R.T.: 10.496 min
Delta R.T.: 0.000 min
Response: 16410378
Conc: 99.31 ug/ml

Instrument :

FID_D

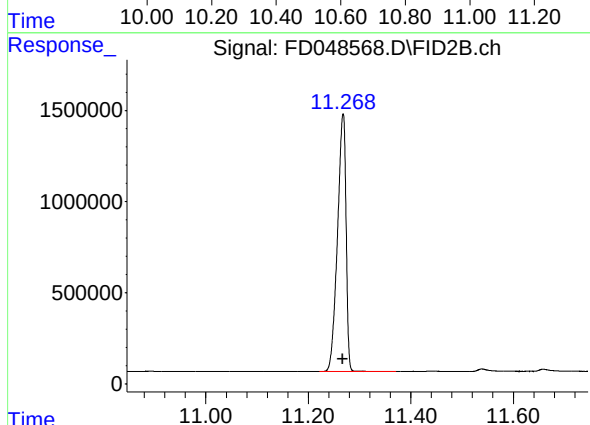
ClientSampleId :

100 PPM AROMATIC HC STD1



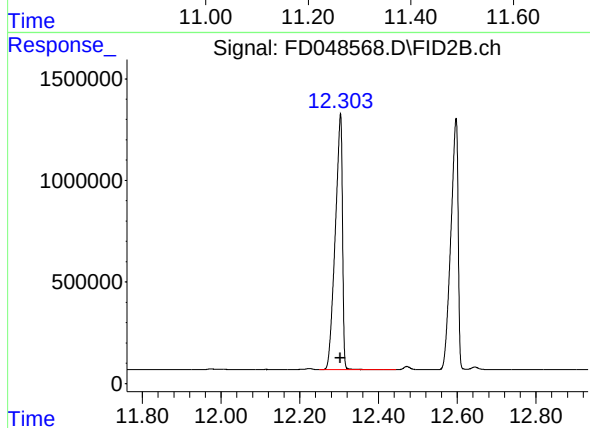
#10 Anthracene (C19.43)

R.T.: 10.573 min
Delta R.T.: 0.000 min
Response: 15569819
Conc: 98.44 ug/ml



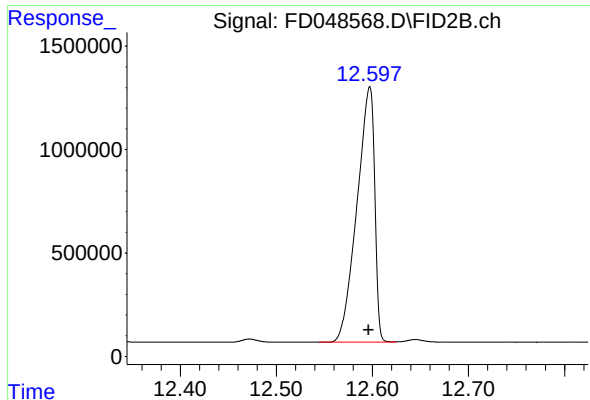
#11 ortho-Terphenyl (SURR)

R.T.: 11.267 min
Delta R.T.: 0.000 min
Response: 16385129
Conc: 98.29 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.302 min
Delta R.T.: 0.000 min
Response: 15981856
Conc: 98.53 ug/ml



#13 Pyrene (C20.8)

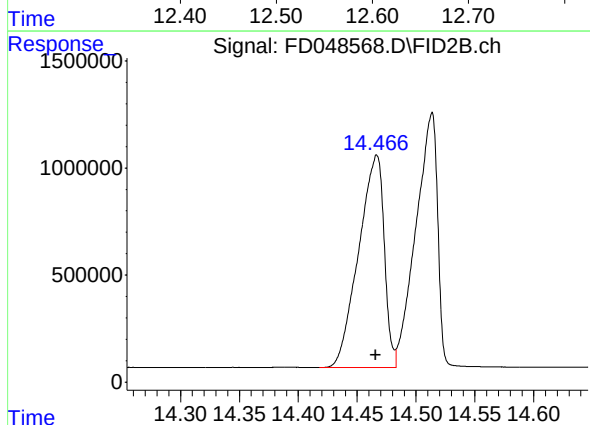
R.T.: 12.596 min
Delta R.T.: 0.000 min
Response: 15811187
Conc: 98.99 ug/ml

Instrument :

FID_D

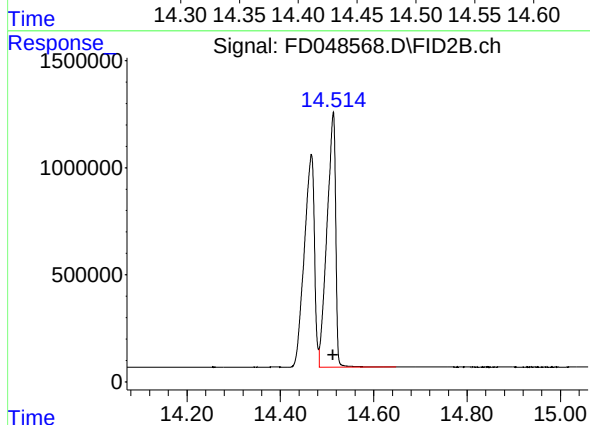
ClientSampleId :

100 PPM AROMATIC HC STD1



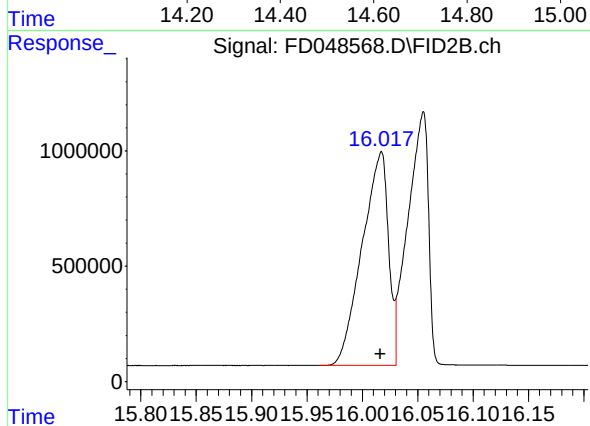
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.466 min
Delta R.T.: 0.000 min
Response: 14979852
Conc: 100.19 ug/ml



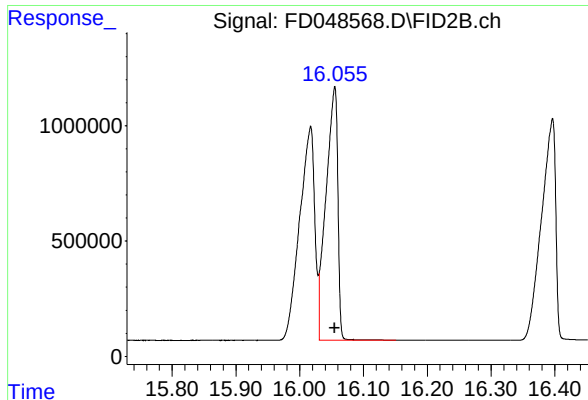
#15 Chrysene (C27.41)

R.T.: 14.512 min
Delta R.T.: 0.000 min
Response: 15332543
Conc: 97.08 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.016 min
Delta R.T.: 0.000 min
Response: 15350623
Conc: 99.93 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

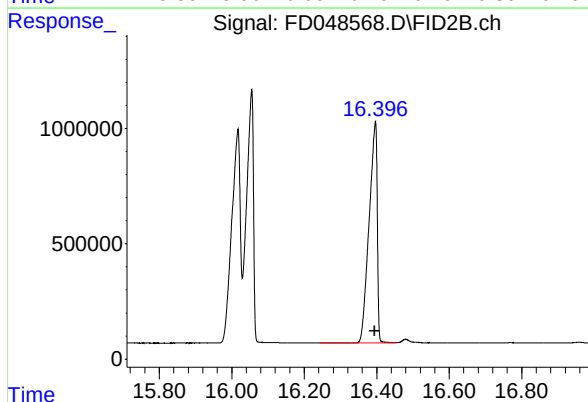
R.T.: 16.054 min
Delta R.T.: -0.001 min
Response: 14161475
Conc: 97.90 ug/ml

Instrument :

FID_D

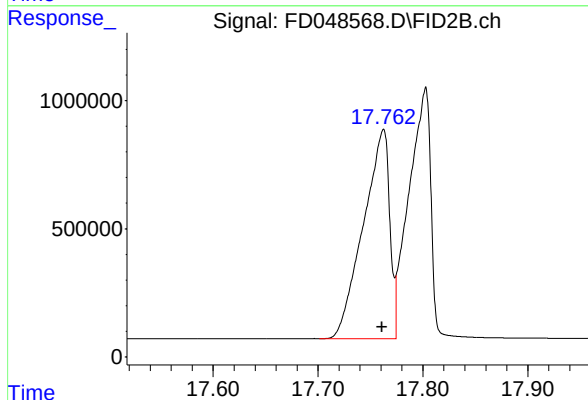
ClientSampleId :

100 PPM AROMATIC HC STD1



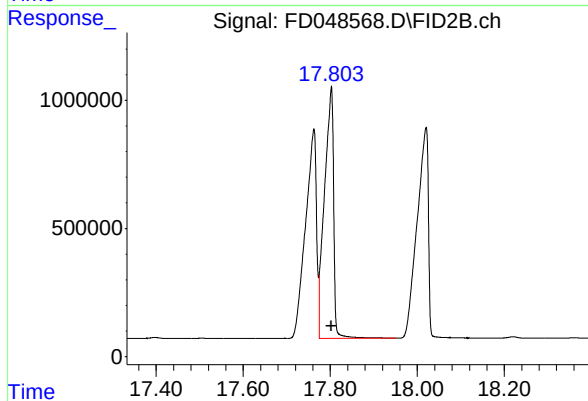
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.395 min
Delta R.T.: 0.000 min
Response: 14921521
Conc: 99.31 ug/ml



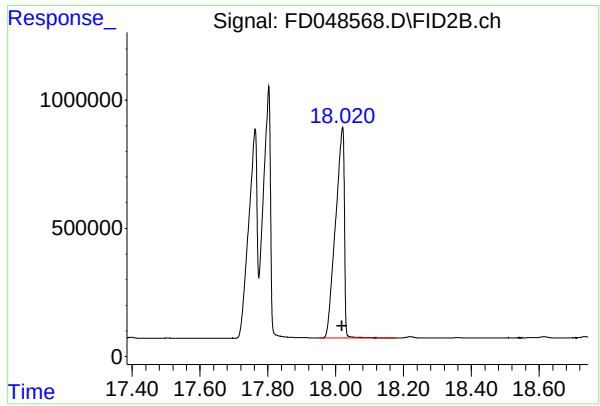
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.761 min
Delta R.T.: 0.000 min
Response: 14261058
Conc: 103.93 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.801 min
Delta R.T.: -0.002 min
Response: 14330700
Conc: 95.35 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.019 min
Delta R.T.: 0.000 min
Response: 14842367
Conc: 98.21 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

A
B
C
D
E
F

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048568.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:12
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.199	4.161	4.256	BV	1903452	16947170	96.16%	5.194%
2	5.719	5.644	5.881	BV	1794310	17612911	99.93%	5.398%
3	6.767	6.724	6.878	PV	1721582	17624448	100.00%	5.402%
4	7.379	7.268	7.471	PV	1511924	14919837	84.65%	4.573%
5	8.034	7.994	8.184	BB	1618840	17045088	96.71%	5.224%
6	8.230	8.188	8.294	BV	985430	10015694	56.83%	3.070%
7	8.331	8.294	8.464	VB	1571009	17086977	96.95%	5.237%
8	9.109	9.031	9.231	BB	1435050	16673063	94.60%	5.110%
9	10.496	10.388	10.533	BV	1431777	16410378	93.11%	5.030%
10	10.573	10.533	10.771	VB	1362012	15569819	88.34%	4.772%
11	11.267	11.221	11.371	BV	1423748	16385129	92.97%	5.022%
12	12.302	12.249	12.444	VV	1225147	15981856	90.68%	4.898%
13	12.596	12.544	12.624	BV	1267297	15811187	89.71%	4.846%
14	14.466	14.418	14.483	PV	976483	14979852	84.99%	4.591%
15	14.512	14.483	14.648	VB	1164623	15332543	87.00%	4.699%
16	16.016	15.961	16.031	BV	945594	15350623	87.10%	4.705%
17	16.054	16.031	16.151	VB	1101985	14161475	80.35%	4.340%
18	16.395	16.241	16.453	BV	941300	14921521	84.66%	4.573%
19	17.761	17.701	17.774	BV	810590	14261058	80.92%	4.371%
20	17.801	17.774	17.951	VV	963681	14330700	81.31%	4.392%
21	18.019	17.951	18.178	VV	811340	14842367	84.21%	4.549%
Sum of corrected areas:						326263695		

Aromatic EPH 102324.M Wed Oct 23 18:16:59 2024

Lab Sample ID:	50 PPM AROMATIC HC	Acq On:	23 Oct 2024 15:48
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048569.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.095	5.813	17413124.000	100.000	ug/ml
Aromatic C12-C16	5.814	8.419	26214353.000	150.000	ug/ml
Aromatic C16-C21	8.420	12.681	32614919.000	200.000	ug/ml
Aromatic C21-C36	12.682	18.087	67904676.000	450.000	ug/ml
Aromatic EPH	4.095	18.087	144147072.000	900.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
 Data File : FD048569.D
 Signal(s) : FID2B.ch
 Acq On : 23 Oct 2024 15:48
 Operator : YP/AJ
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 50 PPM AROMATIC HC STD2

Integration File: autoint1.e
 Quant Time: Oct 23 17:15:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 17:09:25 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.375	7529591	49.962 ug/ml
Spiked Amount 50.000		Recovery =	99.92%
6) S 2-Fluorobiphenyl (SURR)	8.225	5021501	50.132 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	100.26%
11) S ortho-Terphenyl (SURR)	11.261	8334280	49.996 ug/ml
Spiked Amount 50.000		Recovery =	99.99%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.196	8539641	49.894 ug/ml
2) T Naphthalene (C11.7)	5.715	8873483	49.898 ug/ml
3) T 2-Methylnaphthalene (...)	6.762	8891978	49.967 ug/ml
5) T Acenaphthylene (C15.06)	8.029	8649197	49.954 ug/ml
7) T Acenaphthene (C15.5)	8.324	8673178	49.886 ug/ml
8) T Fluorene (C16.55)	9.102	8428307	50.018 ug/ml
9) T Phenanthrene (C19.36)	10.489	8272929	50.044 ug/ml
10) T Anthracene (C19.43)	10.565	7888616	49.915 ug/ml
12) T Fluoranthene (C21.85)	12.294	8076662	49.863 ug/ml
13) T Pyrene (C20.8)	12.587	8025067	50.162 ug/ml
14) T Benzo[a]anthracene (C...	14.456	7527575	50.230 ug/ml
15) T Chrysene (C27.41)	14.500	7833293	49.731 ug/ml
16) T benzo[b]fluoranthene ...	16.005	7671770	49.961 ug/ml
17) T Bnezo[k]fluoranthene ...	16.039	7231888	49.599 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.381	7547267	50.152 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.747	6949708	50.431 ug/ml
20) T Dibenz[a,h]anthracene...	17.785	7539487	49.466 ug/ml
21) T Benzo[g,h,i]perylene ...	18.000	7527026	49.870 ug/ml

(f)=RT Delta > 1/2 Window

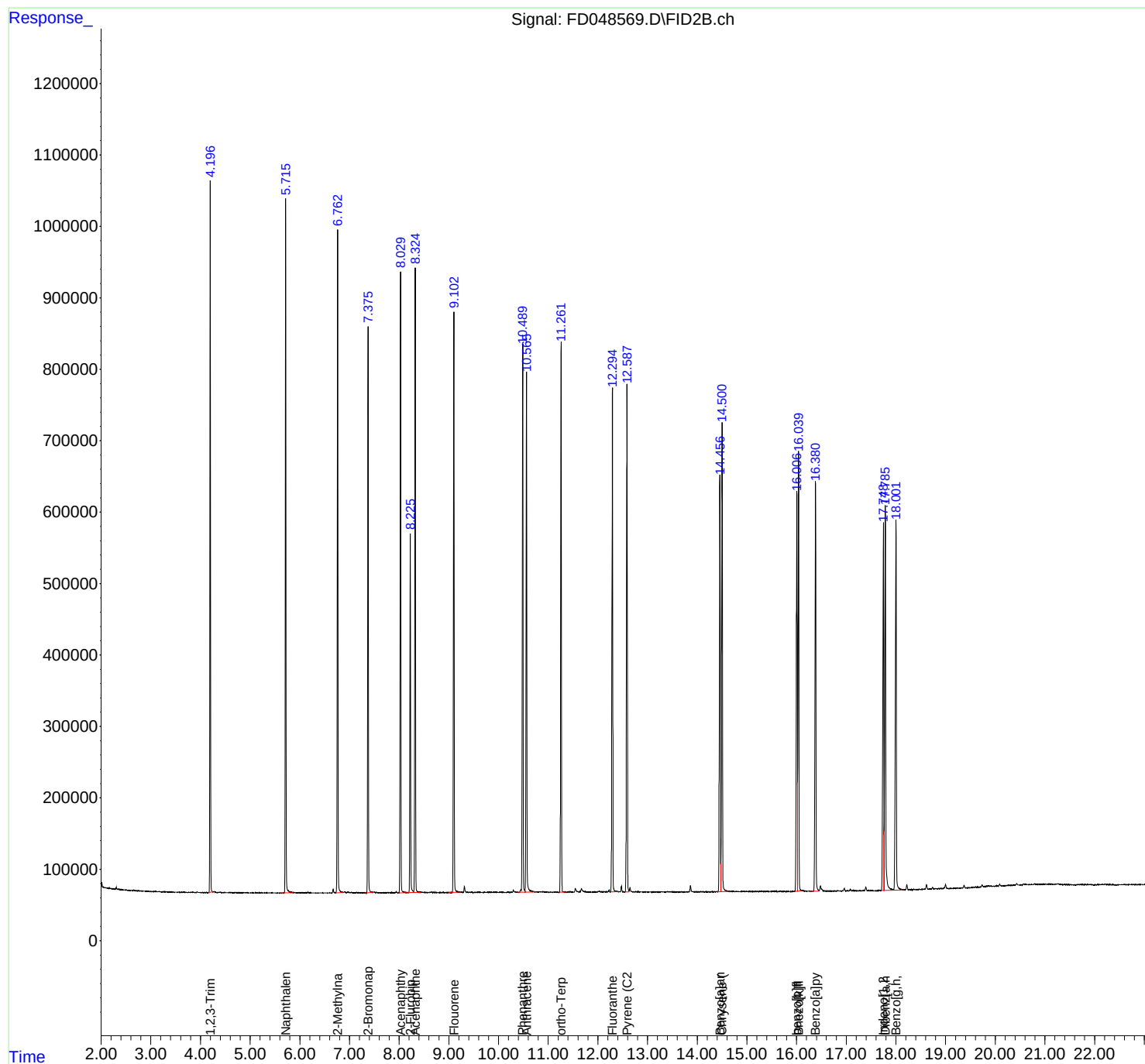
(m)=manual int.

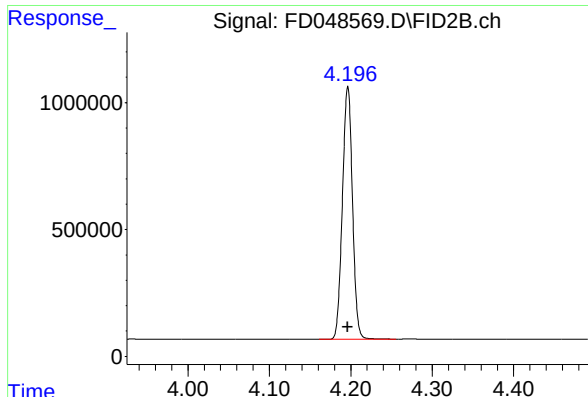
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048569.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:48
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 23 17:15:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

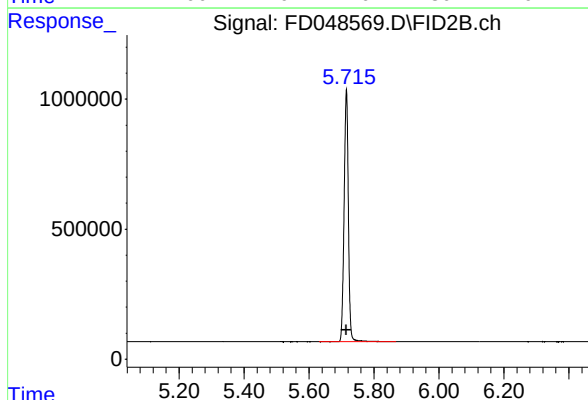




#1 1,2,3-Trimethylbenzene (C10.1)

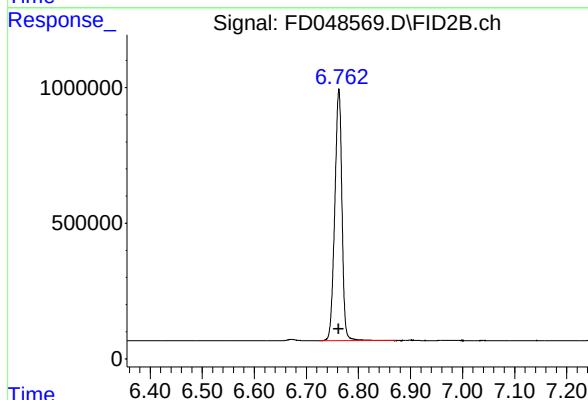
R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 8539641
Conc: 49.89 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



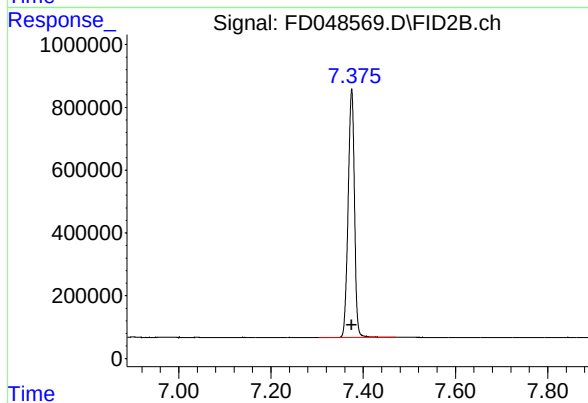
#2 Naphthalene (C11.7)

R.T.: 5.715 min
Delta R.T.: 0.000 min
Response: 8873483
Conc: 49.90 ug/ml



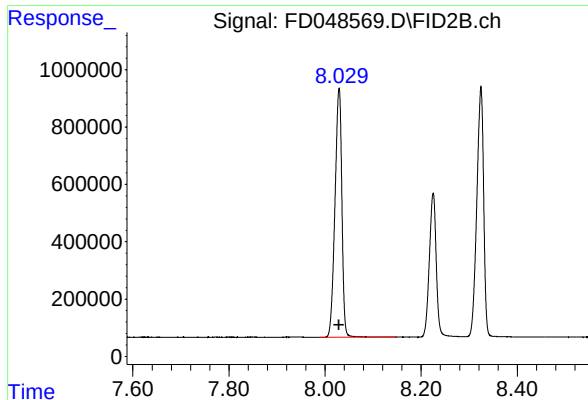
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.762 min
Delta R.T.: 0.000 min
Response: 8891978
Conc: 49.97 ug/ml



#4 2-Bromonaphthalene (SURR)

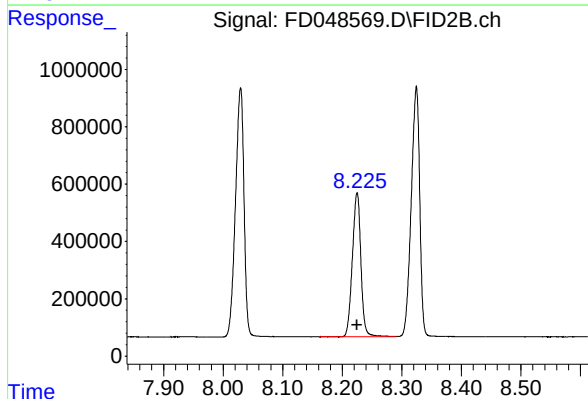
R.T.: 7.375 min
Delta R.T.: 0.000 min
Response: 7529591
Conc: 49.96 ug/ml



#5 Acenaphthylene (C15.06)

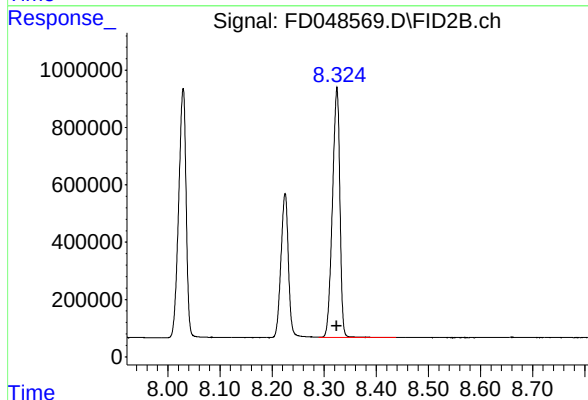
R.T.: 8.029 min
Delta R.T.: 0.000 min
Response: 8649197
Conc: 49.95 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



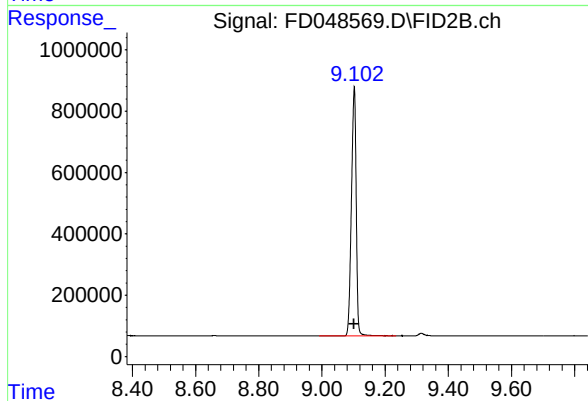
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.225 min
Delta R.T.: 0.000 min
Response: 5021501
Conc: 50.13 ug/ml



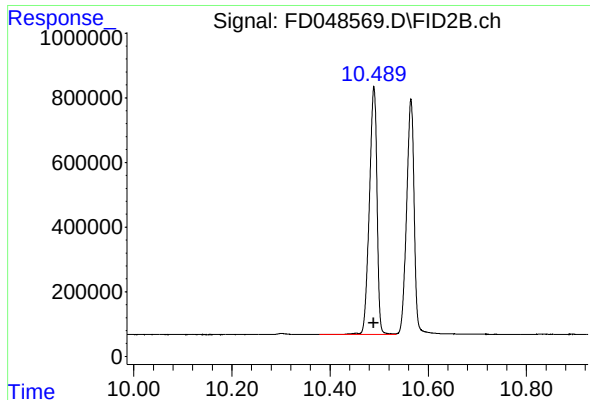
#7 Acenaphthene (C15.5)

R.T.: 8.324 min
Delta R.T.: 0.000 min
Response: 8673178
Conc: 49.89 ug/ml



#8 Fluorene (C16.55)

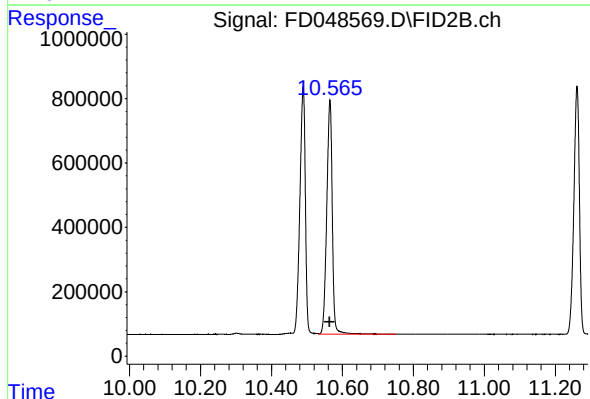
R.T.: 9.102 min
Delta R.T.: 0.000 min
Response: 8428307
Conc: 50.02 ug/ml



#9 Phenanthrene (C19.36)

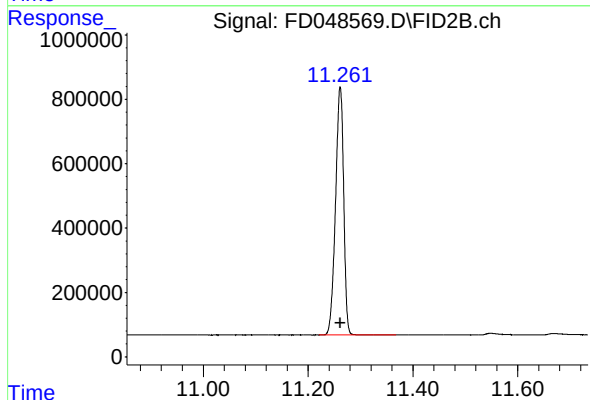
R.T.: 10.489 min
Delta R.T.: 0.000 min
Response: 8272929
Conc: 50.04 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



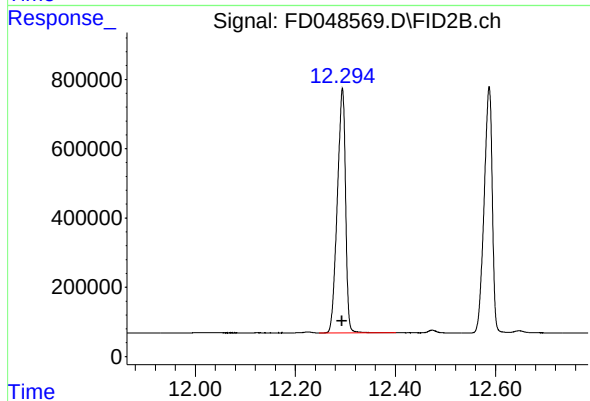
#10 Anthracene (C19.43)

R.T.: 10.565 min
Delta R.T.: 0.000 min
Response: 7888616
Conc: 49.92 ug/ml



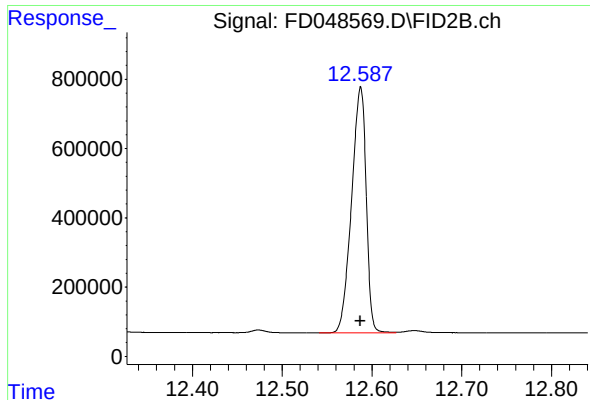
#11 ortho-Terphenyl (SURRE)

R.T.: 11.261 min
Delta R.T.: 0.000 min
Response: 8334280
Conc: 50.00 ug/ml



#12 Fluoranthene (C21.85)

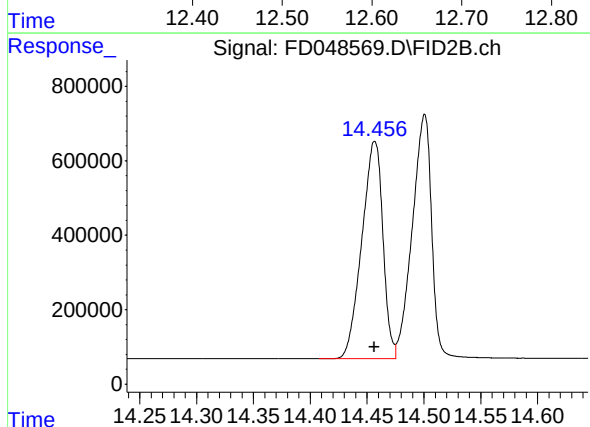
R.T.: 12.294 min
Delta R.T.: 0.000 min
Response: 8076662
Conc: 49.86 ug/ml



#13 Pyrene (C20.8)

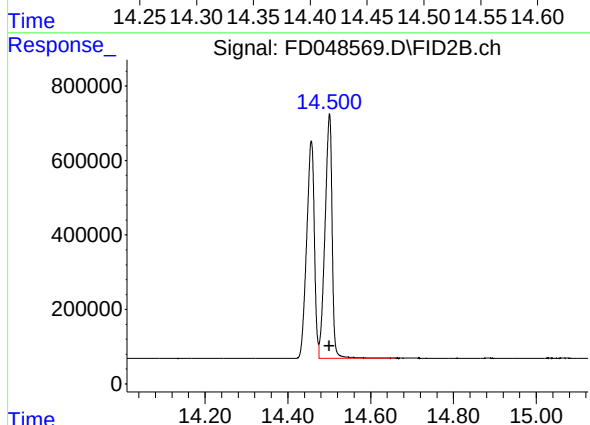
R.T.: 12.587 min
Delta R.T.: 0.000 min
Response: 8025067
Conc: 50.16 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



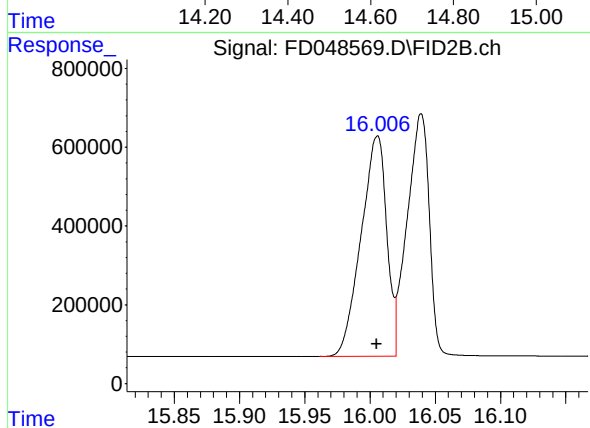
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.456 min
Delta R.T.: 0.000 min
Response: 7527575
Conc: 50.23 ug/ml



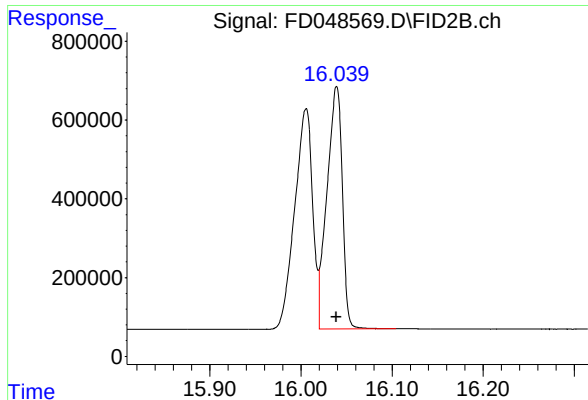
#15 Chrysene (C27.41)

R.T.: 14.500 min
Delta R.T.: 0.000 min
Response: 7833293
Conc: 49.73 ug/ml



#16 benzo[b]fluoranthene (C30.41)

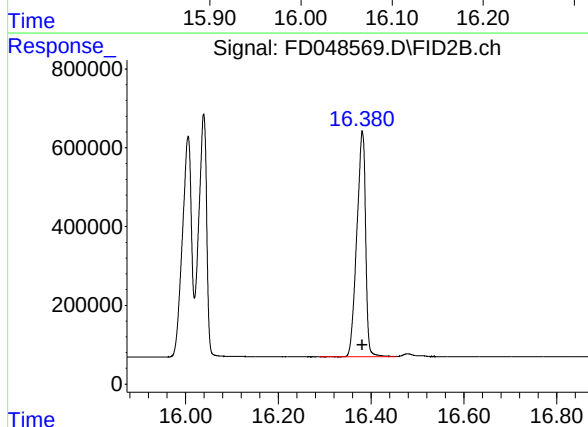
R.T.: 16.005 min
Delta R.T.: 0.000 min
Response: 7671770
Conc: 49.96 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

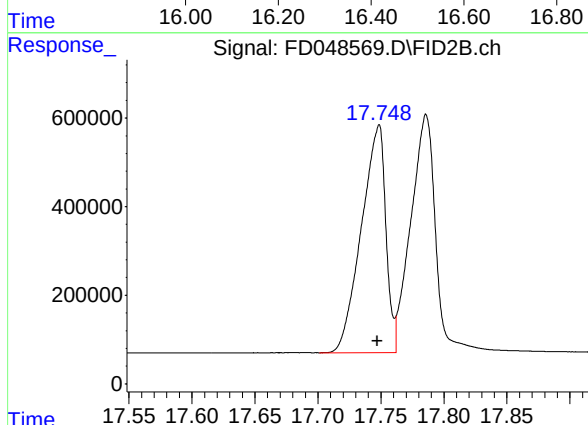
R.T.: 16.039 min
Delta R.T.: 0.000 min
Response: 7231888
Conc: 49.60 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



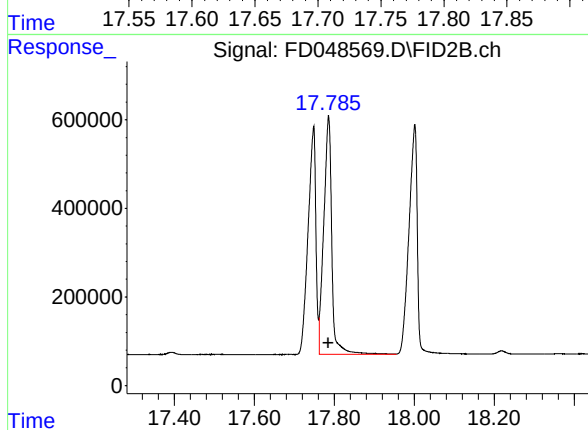
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.381 min
Delta R.T.: 0.000 min
Response: 7547267
Conc: 50.15 ug/ml



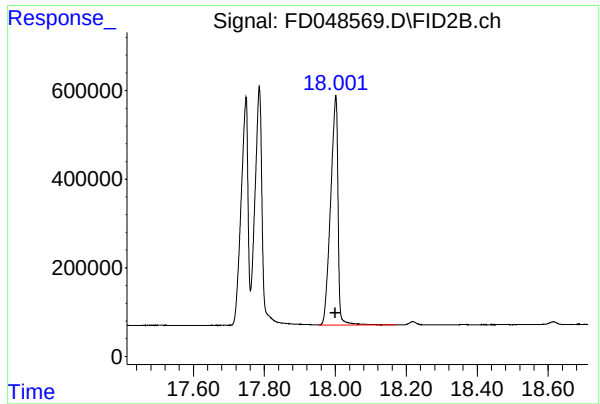
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.747 min
Delta R.T.: 0.000 min
Response: 6949708
Conc: 50.43 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.785 min
Delta R.T.: 0.000 min
Response: 7539487
Conc: 49.47 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.000 min
Delta R.T.: 0.000 min
Response: 7527026
Conc: 49.87 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
 Data File : FD048569.D
 Signal(s) : FID2B.ch
 Acq On : 23 Oct 2024 15:48
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.196	4.161	4.255	BV	998732	8539641	96.04%	5.175%
2	5.715	5.631	5.868	BB	961300	8873483	99.79%	5.377%
3	6.762	6.724	6.872	PV	916254	8891978	100.00%	5.388%
4	7.375	7.304	7.471	BB	788165	7529591	84.68%	4.562%
5	8.029	7.988	8.148	BB	861509	8649197	97.27%	5.241%
6	8.225	8.161	8.290	BV	502069	5021501	56.47%	3.043%
7	8.324	8.290	8.438	VB	874209	8673178	97.54%	5.255%
8	9.102	8.991	9.234	BV	799296	8428307	94.79%	5.107%
9	10.489	10.378	10.534	BV	757282	8272929	93.04%	5.013%
10	10.565	10.534	10.751	VB	727764	7888616	88.72%	4.780%
11	11.261	11.221	11.368	BB	773174	8334280	93.73%	5.050%
12	12.294	12.247	12.401	PB	711390	8076662	90.83%	4.894%
13	12.587	12.541	12.627	BV	714458	8025067	90.25%	4.863%
14	14.456	14.408	14.475	PV	588127	7527575	84.66%	4.561%
15	14.500	14.475	14.661	VB	663541	7833293	88.09%	4.747%
16	16.005	15.961	16.020	BV	559367	7671770	86.28%	4.649%
17	16.039	16.020	16.104	VV	611862	7231888	81.33%	4.382%
18	16.381	16.288	16.453	BV	574389	7547267	84.88%	4.573%
19	17.747	17.701	17.762	BV	512967	6949708	78.16%	4.211%
20	17.785	17.762	17.954	VV	532723	7539487	84.79%	4.568%
21	18.000	17.954	18.171	VV	519884	7527026	84.65%	4.561%
Sum of corrected areas:						165032443		

Aromatic EPH 102324.M Wed Oct 23 18:18:22 2024

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	23 Oct 2024 16:25
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048570.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.095	5.813	7062069.000	40.000	ug/ml
Aromatic C12-C16	5.814	8.419	10660566.000	60.000	ug/ml
Aromatic C16-C21	8.420	12.681	13171585.000	80.000	ug/ml
Aromatic C21-C36	12.682	18.087	27627174.000	180.000	ug/ml
Aromatic EPH	4.095	18.087	58521394.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
 Data File : FD048570.D
 Signal(s) : FID2B.ch
 Acq On : 23 Oct 2024 16:25
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD3

Integration File: autoint1.e
 Quant Time: Oct 23 17:10:51 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 17:09:25 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.372	3046545	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.222	1998164	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.258	3391146	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.195	3464073	20.000 ug/ml
2) T Naphthalene (C11.7)	5.713	3597996	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	6.760	3595810	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.025	3519888	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.319	3544868	20.000 ug/ml
8) T Fluorene (C16.55)	9.097	3404430	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.485	3327445	20.000 ug/ml
10) T Anthracene (C19.43)	10.560	3212978	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.288	3291616	20.000 ug/ml
13) T Pyrene (C20.8)	12.581	3226732	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.451	2984688	20.000 ug/ml
15) T Chrysene (C27.41)	14.492	3250919	20.000 ug/ml
16) T benzo[b]fluoranthene ...	15.997	3074553	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.027	3023398	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.372	3026012	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.737	2636324	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	17.777	3263027	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	17.987	3076637	20.000 ug/ml

(f)=RT Delta > 1/2 Window

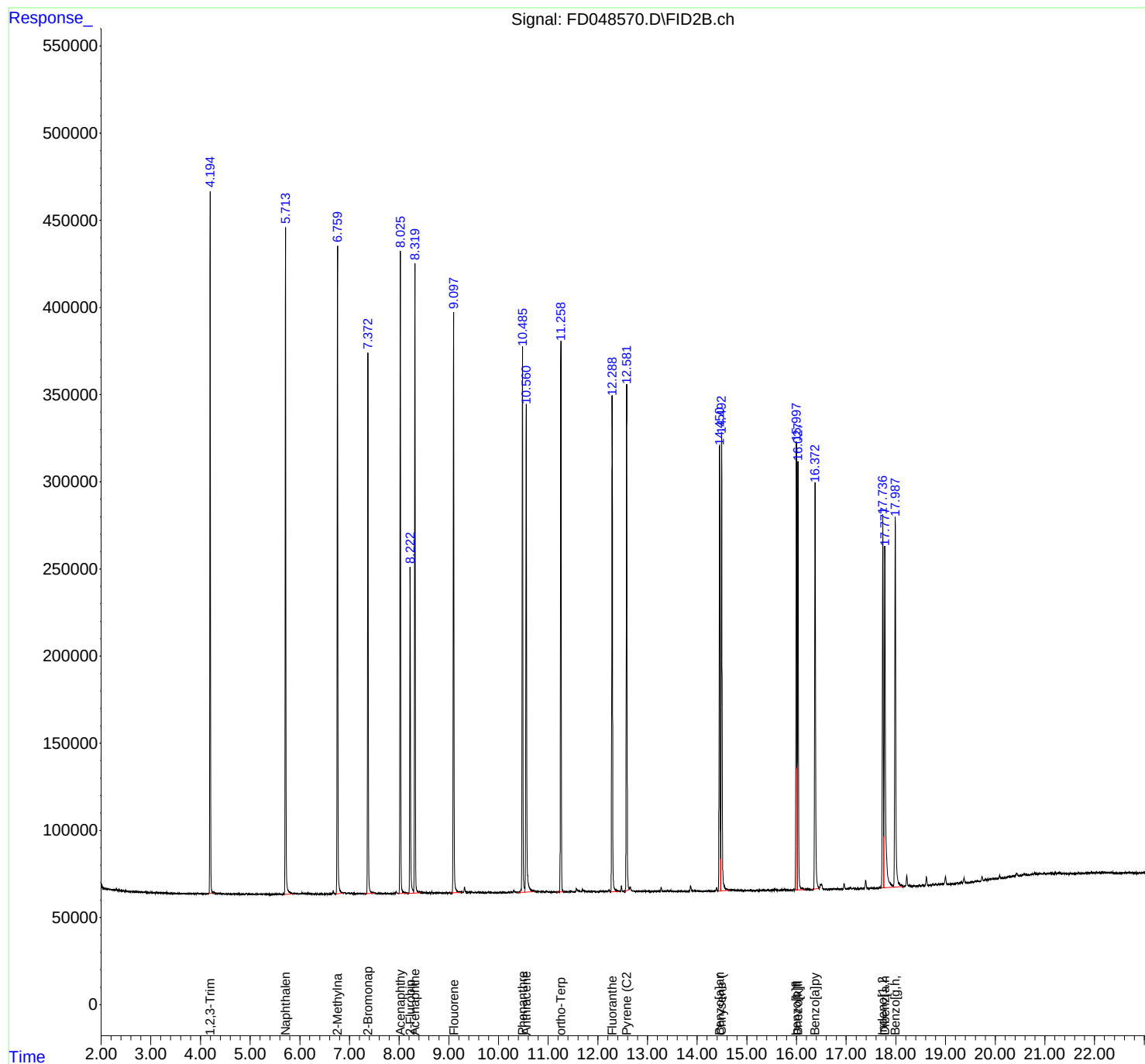
(m)=manual int.

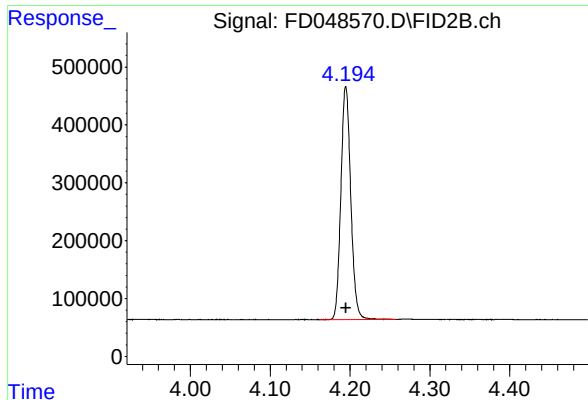
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048570.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 16:25
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 23 17:10:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

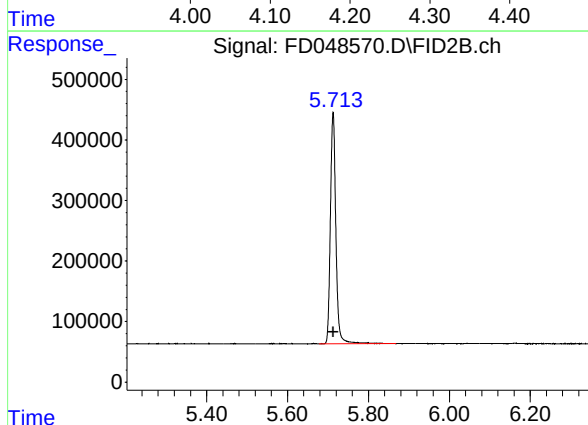




#1 1,2,3-Trimethylbenzene (C10.1)

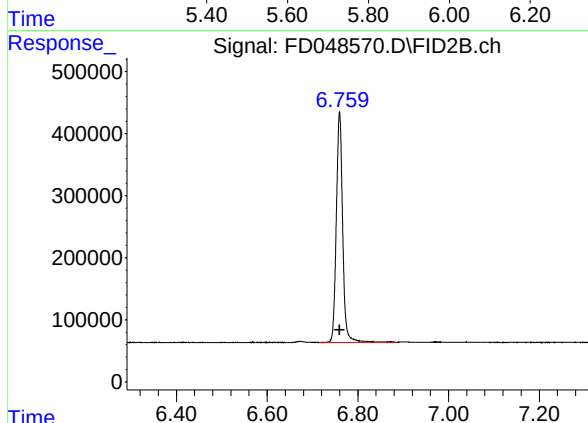
R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 3464073
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



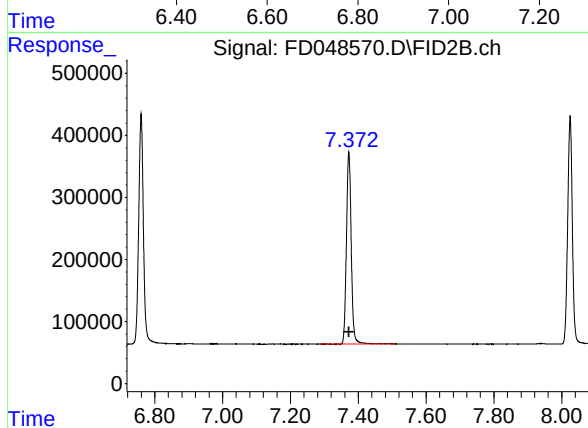
#2 Naphthalene (C11.7)

R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 3597996
Conc: 20.00 ug/ml



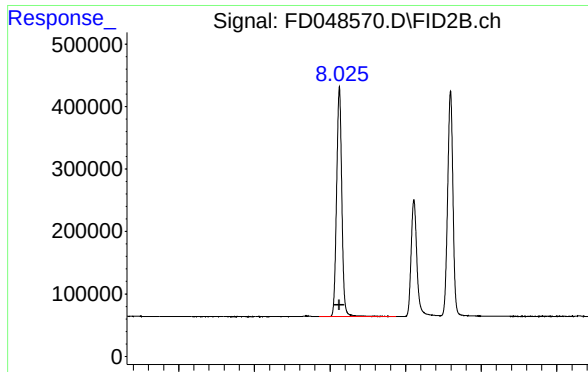
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 3595810
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

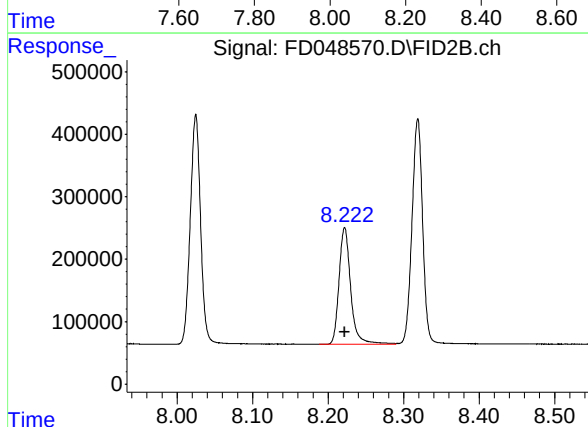
R.T.: 7.372 min
Delta R.T.: 0.000 min
Response: 3046545
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

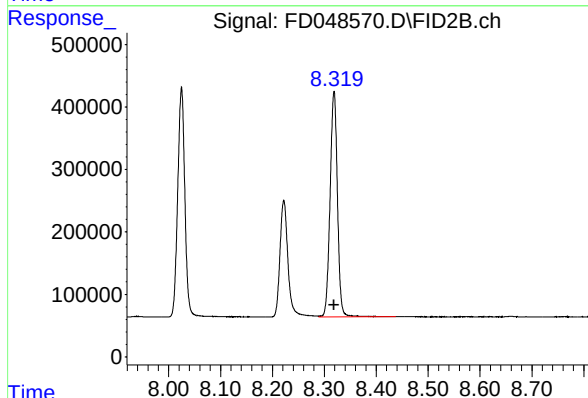
R.T.: 8.025 min
Delta R.T.: 0.000 min
Response: 3519888
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



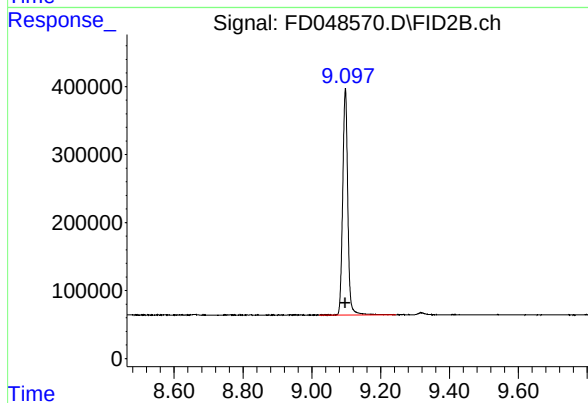
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.222 min
Delta R.T.: 0.000 min
Response: 1998164
Conc: 20.00 ug/ml



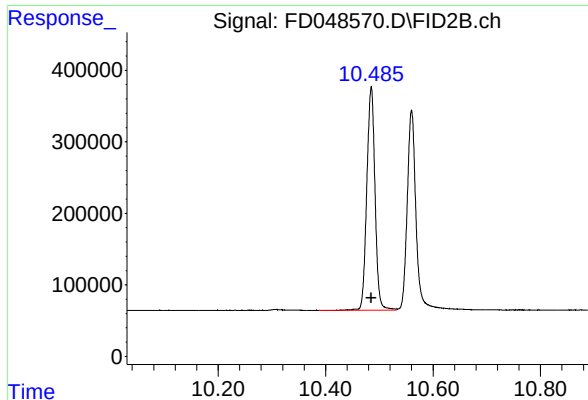
#7 Acenaphthene (C15.5)

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 3544868
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

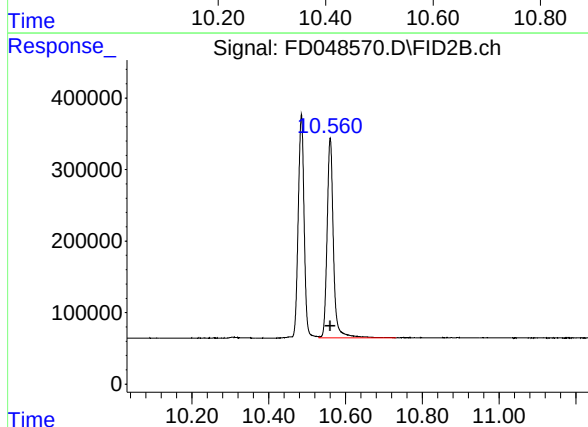
R.T.: 9.097 min
Delta R.T.: 0.000 min
Response: 3404430
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

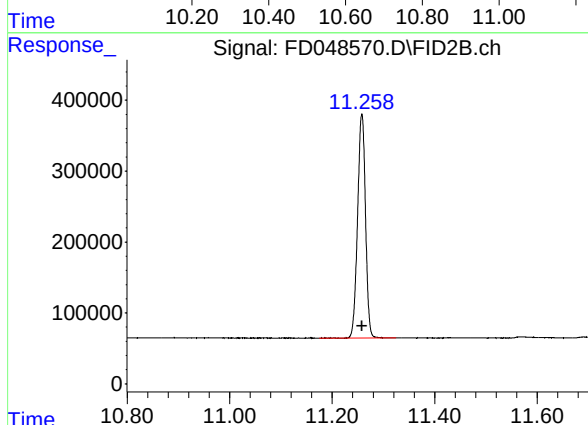
R.T.: 10.485 min
Delta R.T.: 0.000 min
Response: 3327445
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



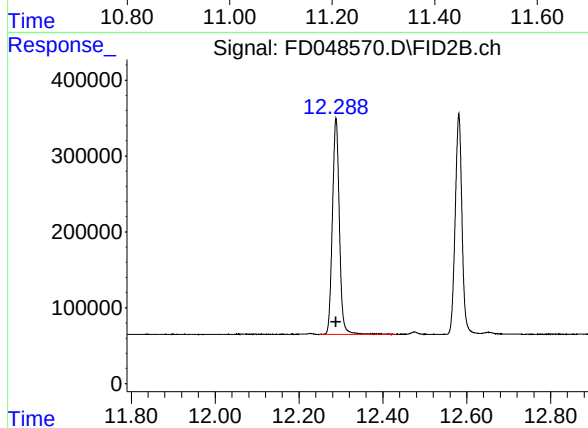
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: 0.000 min
Response: 3212978
Conc: 20.00 ug/ml



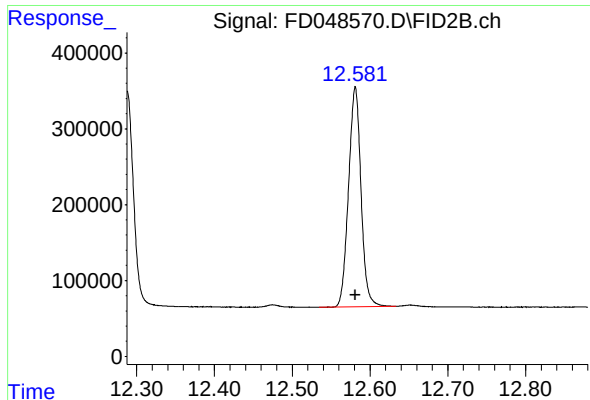
#11 ortho-Terphenyl (SURR)

R.T.: 11.258 min
Delta R.T.: 0.000 min
Response: 3391146
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

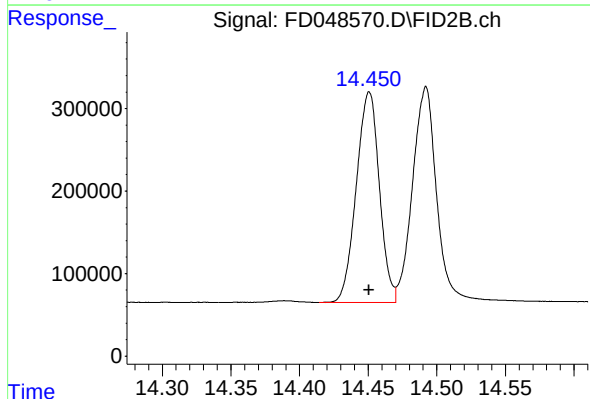
R.T.: 12.288 min
Delta R.T.: 0.000 min
Response: 3291616
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

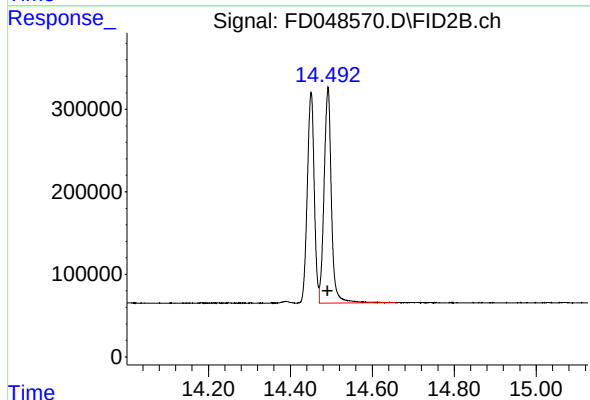
R.T.: 12.581 min
Delta R.T.: 0.000 min
Response: 3226732
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



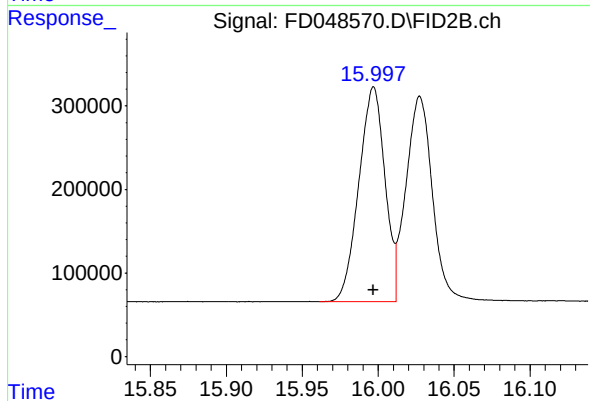
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.451 min
Delta R.T.: 0.000 min
Response: 2984688
Conc: 20.00 ug/ml



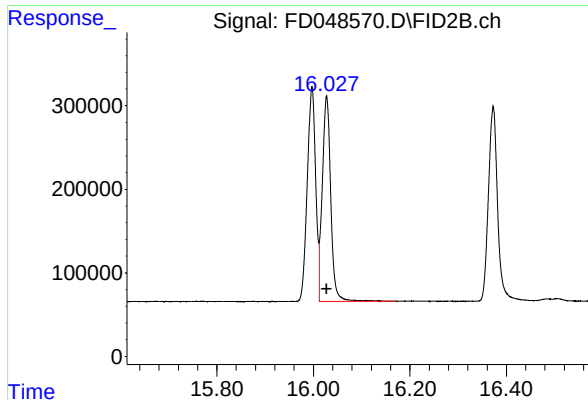
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: 0.000 min
Response: 3250919
Conc: 20.00 ug/ml



#16 benzo[b]fluoranthene (C30.41)

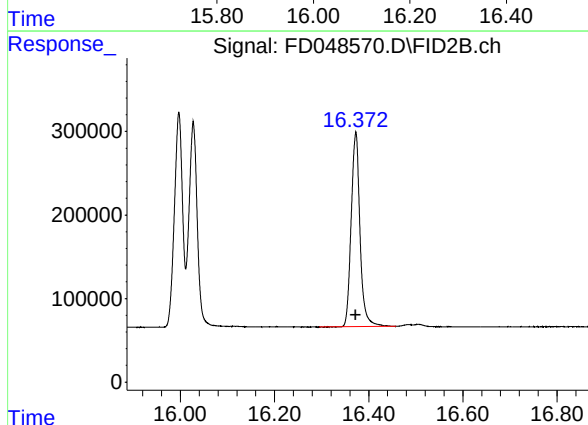
R.T.: 15.997 min
Delta R.T.: 0.000 min
Response: 3074553
Conc: 20.00 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

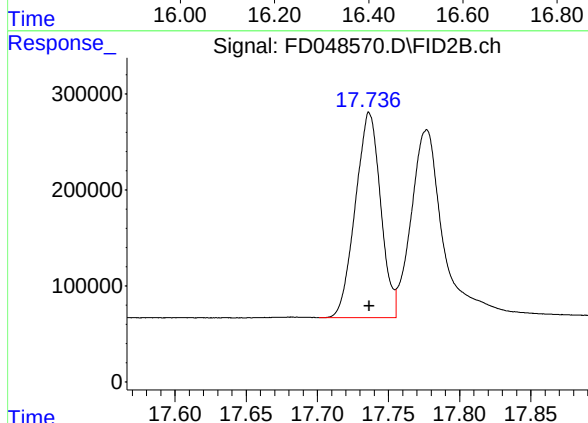
R.T.: 16.027 min
Delta R.T.: 0.000 min
Response: 3023398
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



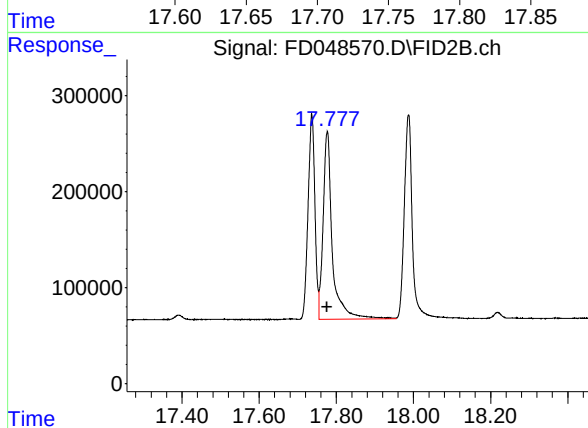
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.372 min
Delta R.T.: 0.000 min
Response: 3026012
Conc: 20.00 ug/ml



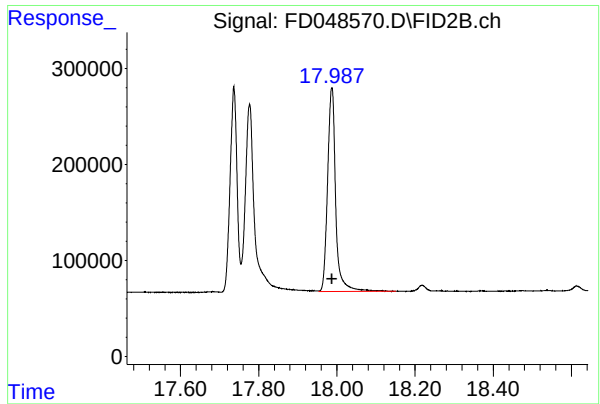
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: 0.000 min
Response: 2636324
Conc: 20.00 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.777 min
Delta R.T.: 0.000 min
Response: 3263027
Conc: 20.00 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 17.987 min
Delta R.T.: 0.000 min
Response: 3076637
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048570.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 16:25
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.195	4.161	4.257	BV	402734	3464073	96.28%	5.174%
2	5.713	5.678	5.868	PB	378310	3597996	100.00%	5.374%
3	6.760	6.714	6.884	PV	369607	3595810	99.94%	5.370%
4	7.372	7.284	7.511	BB	309427	3046545	84.67%	4.550%
5	8.025	7.971	8.174	BV	366415	3519888	97.83%	5.257%
6	8.222	8.188	8.290	PV	185974	1998164	55.54%	2.984%
7	8.319	8.290	8.438	VB	358996	3544868	98.52%	5.294%
8	9.097	9.021	9.244	BB	332486	3404430	94.62%	5.084%
9	10.485	10.388	10.531	BV	311516	3327445	92.48%	4.970%
10	10.560	10.531	10.731	VB	280274	3212978	89.30%	4.799%
11	11.258	11.174	11.324	BB	316403	3391146	94.25%	5.065%
12	12.288	12.248	12.431	PB	284432	3291616	91.48%	4.916%
13	12.581	12.534	12.633	PV	290024	3226732	89.68%	4.819%
14	14.451	14.414	14.470	PV	256334	2984688	82.95%	4.458%
15	14.492	14.470	14.658	VB	259225	3250919	90.35%	4.855%
16	15.997	15.961	16.012	BV	257955	3074553	85.45%	4.592%
17	16.027	16.012	16.171	VB	245800	3023398	84.03%	4.515%
18	16.372	16.294	16.458	BV	230365	3026012	84.10%	4.519%
19	17.737	17.701	17.755	BV	213338	2636324	73.27%	3.937%
20	17.777	17.755	17.954	VV	197036	3263027	90.69%	4.873%
21	17.987	17.954	18.151	VB	213971	3076637	85.51%	4.595%
Sum of corrected areas:						66957247		

Aromatic EPH 102324.M Wed Oct 23 18:18:39 2024

Lab Sample ID:	10 PPM AROMATIC HC	Acq On:	23 Oct 2024 17:02
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048571.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.095	5.813	3602660.000	20.000	ug/ml
Aromatic C12-C16	5.814	8.419	5474983.000	30.000	ug/ml
Aromatic C16-C21	8.420	12.681	6675037.000	40.000	ug/ml
Aromatic C21-C36	12.682	18.087	14154223.000	90.000	ug/ml
Aromatic EPH	4.095	18.087	29906903.000	180.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
 Data File : FD048571.D
 Signal(s) : FID2B.ch
 Acq On : 23 Oct 2024 17:02
 Operator : YP/AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Integration File: autoint1.e
 Quant Time: Oct 23 17:44:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 17:44:12 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.373	1535833	10.143 ug/ml
Spiked Amount 50.000		Recovery =	20.29%
6) S 2-Fluorobiphenyl (SURR)	8.224	998081	9.973 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	19.95%
11) S ortho-Terphenyl (SURR)	11.257	1758096	10.404 ug/ml
Spiked Amount 50.000		Recovery =	20.81%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.196	1780007	10.297 ug/ml
2) T Naphthalene (C11.7)	5.714	1822653	10.186 ug/ml
3) T 2-Methylnaphthalene (...)	6.760	1826622	10.197 ug/ml
5) T Acenaphthylene (C15.06)	8.025	1809718	10.335 ug/ml
7) T Acenaphthene (C15.5)	8.318	1838643	10.425 ug/ml
8) T Fluorene (C16.55)	9.098	1719817	10.154 ug/ml
9) T Phenanthrene (C19.36)	10.484	1680489	10.124 ug/ml
10) T Anthracene (C19.43)	10.560	1635709	10.260 ug/ml
12) T Fluoranthene (C21.85)	12.288	1671203	10.236 ug/ml
13) T Pyrene (C20.8)	12.581	1639022	10.183 ug/ml
14) T Benzo[a]anthracene (C...	14.450	1472368	9.868 ug/ml
15) T Chrysene (C27.41)	14.491	1725560	10.700 ug/ml
16) T benzo[b]fluoranthene ...	15.995	1544713	10.045 ug/ml
17) T Bnezo[k]fluoranthene ...	16.026	1579300	10.611 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.374	1518079	10.066 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.737	1259393	9.340 ug/ml
20) T Dibenz[a,h]anthracene...	17.779	1780079	11.209 ug/ml
21) T Benzo[g,h,i]perylene ...	17.986	1603528	10.461 ug/ml

(f)=RT Delta > 1/2 Window

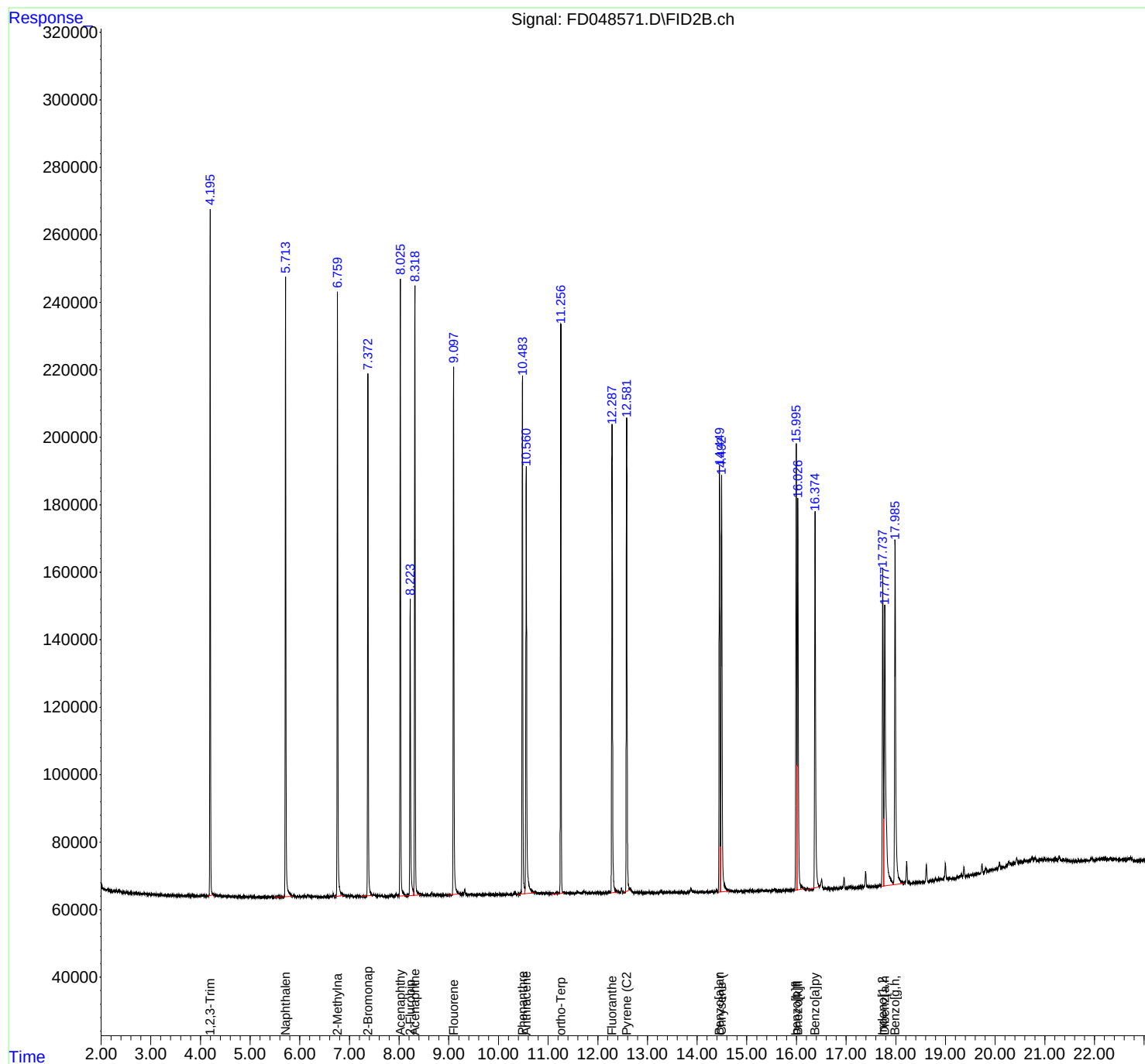
(m)=manual int.

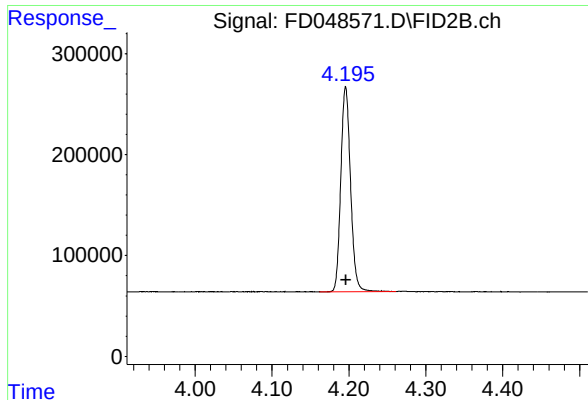
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048571.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:02
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 23 17:44:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:44:12 2024
Response via : Initial Calibration
Integrator: ChemStation

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

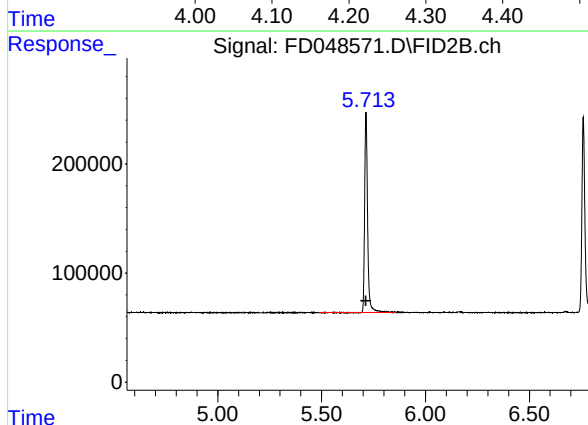




#1 1,2,3-Trimethylbenzene (C10.1)

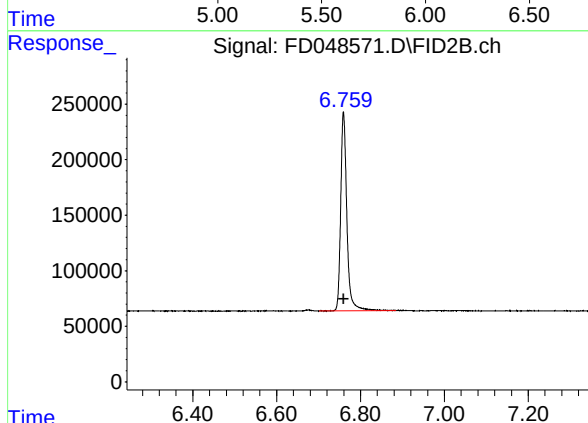
R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 1780007
Conc: 10.30 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



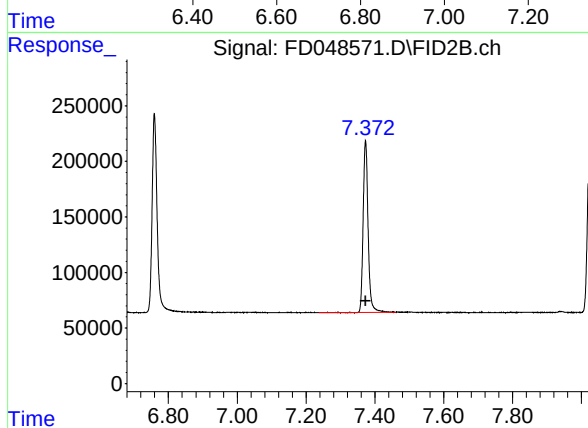
#2 Naphthalene (C11.7)

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 1822653
Conc: 10.19 ug/ml



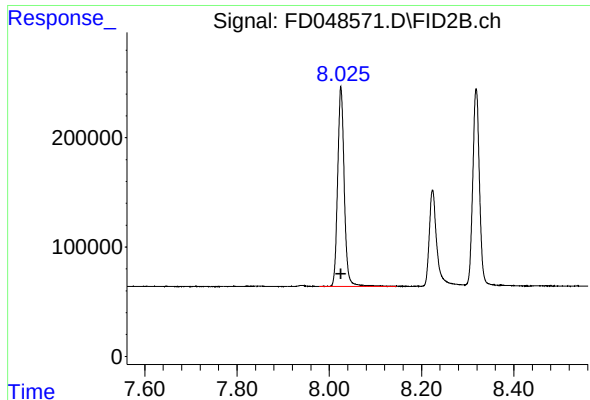
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 1826622
Conc: 10.20 ug/ml



#4 2-Bromonaphthalene (SURR)

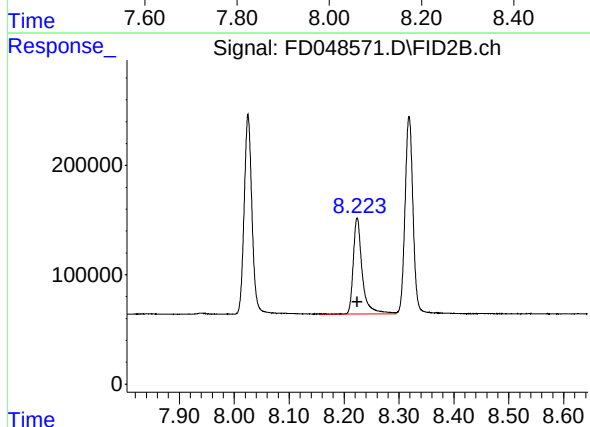
R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 1535833
Conc: 10.14 ug/ml



#5 Acenaphthylene (C15.06)

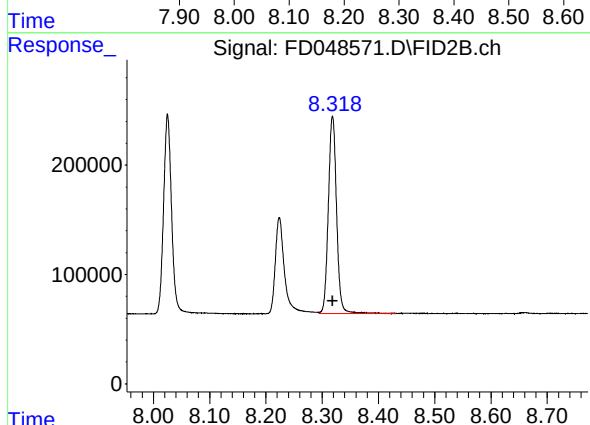
R.T.: 8.025 min
Delta R.T.: 0.000 min
Response: 1809718
Conc: 10.34 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



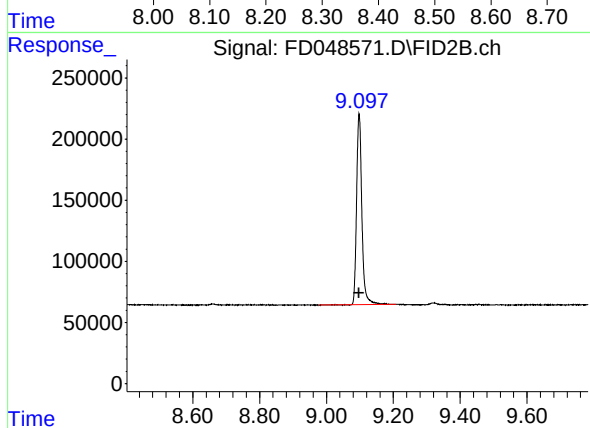
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.224 min
Delta R.T.: 0.000 min
Response: 998081
Conc: 9.97 ug/ml



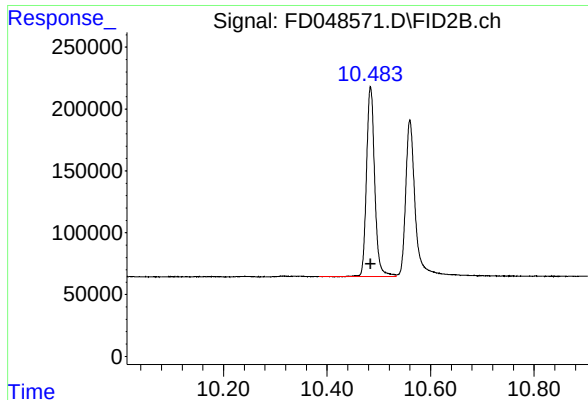
#7 Acenaphthene (C15.5)

R.T.: 8.318 min
Delta R.T.: 0.000 min
Response: 1838643
Conc: 10.43 ug/ml



#8 Flouorene (C16.55)

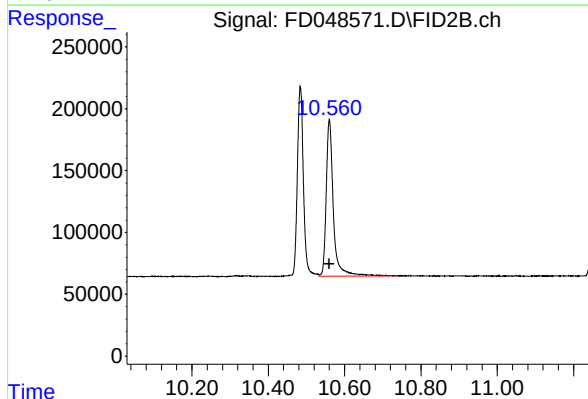
R.T.: 9.098 min
Delta R.T.: 0.000 min
Response: 1719817
Conc: 10.15 ug/ml



#9 Phenanthrene (C19.36)

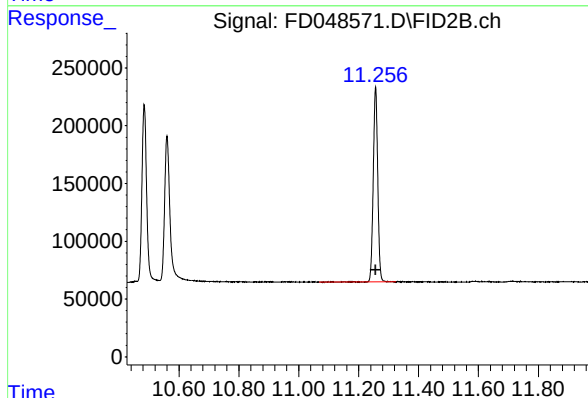
R.T.: 10.484 min
Delta R.T.: 0.000 min
Response: 1680489
Conc: 10.12 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



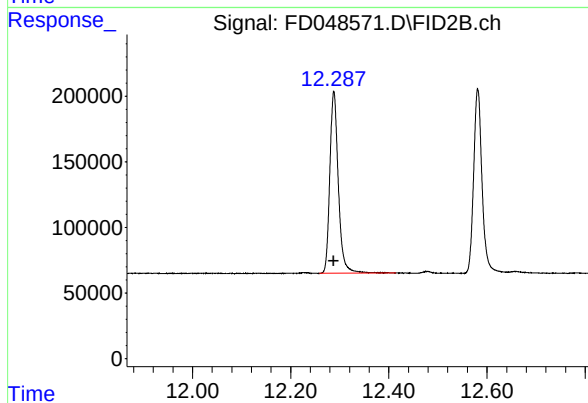
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: 0.000 min
Response: 1635709
Conc: 10.26 ug/ml



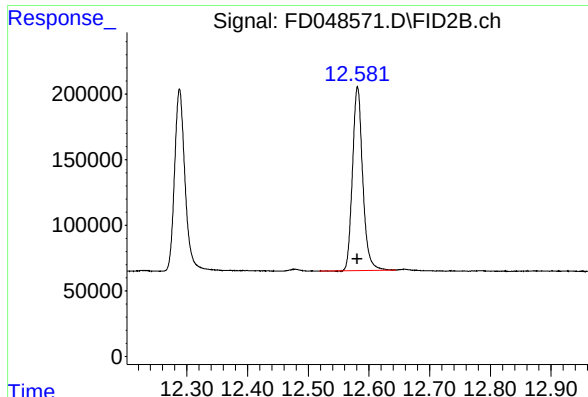
#11 ortho-Terphenyl (SURR)

R.T.: 11.257 min
Delta R.T.: 0.000 min
Response: 1758096
Conc: 10.40 ug/ml



#12 Fluoranthene (C21.85)

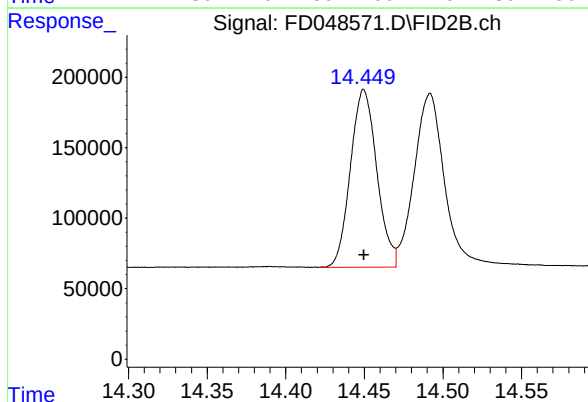
R.T.: 12.288 min
Delta R.T.: 0.000 min
Response: 1671203
Conc: 10.24 ug/ml



#13 Pyrene (C20.8)

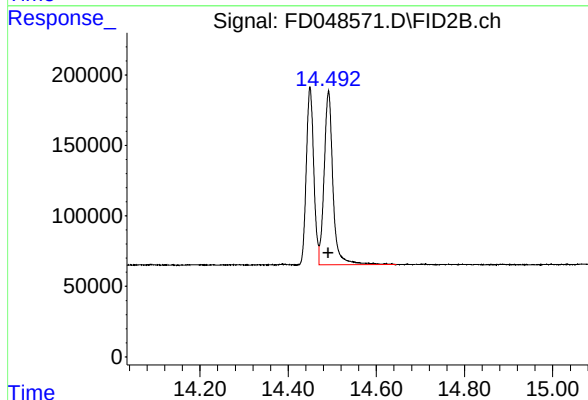
R.T.: 12.581 min
Delta R.T.: 0.000 min
Response: 1639022
Conc: 10.18 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



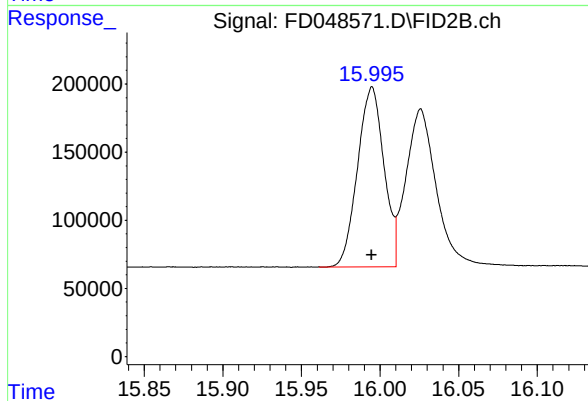
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.450 min
Delta R.T.: 0.000 min
Response: 1472368
Conc: 9.87 ug/ml



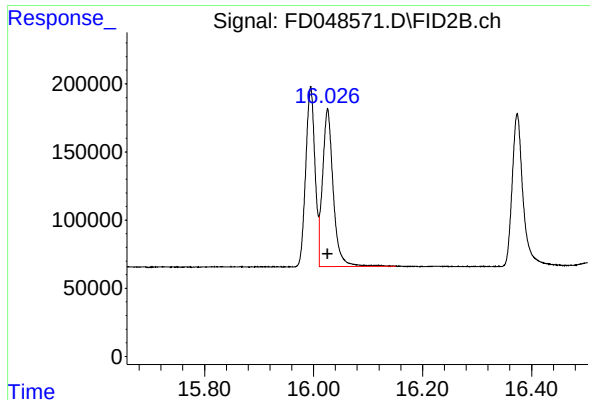
#15 Chrysene (C27.41)

R.T.: 14.491 min
Delta R.T.: 0.000 min
Response: 1725560
Conc: 10.70 ug/ml



#16 benzo[b]fluoranthene (C30.41)

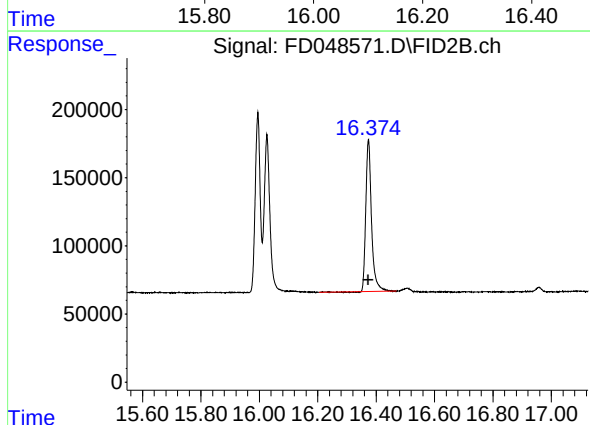
R.T.: 15.995 min
Delta R.T.: 0.000 min
Response: 1544713
Conc: 10.04 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

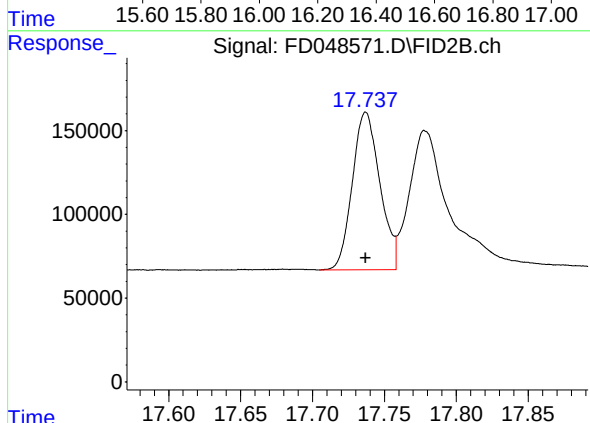
R.T.: 16.026 min
Delta R.T.: 0.000 min
Response: 1579300
Conc: 10.61 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



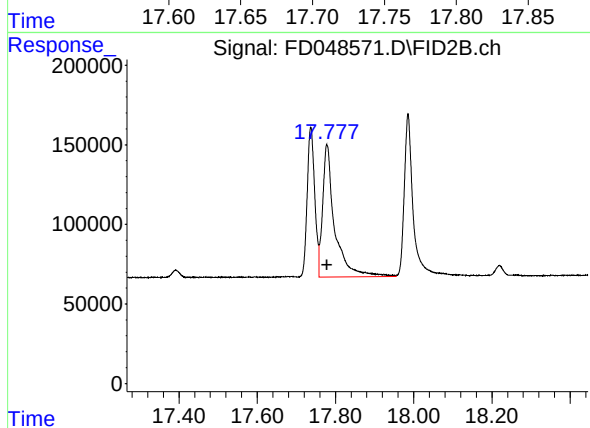
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.374 min
Delta R.T.: 0.000 min
Response: 1518079
Conc: 10.07 ug/ml



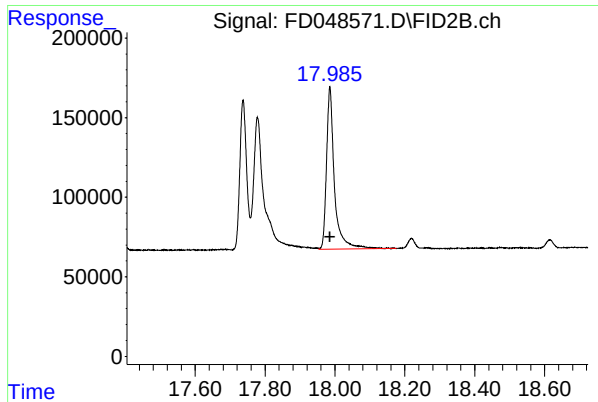
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: 0.000 min
Response: 1259393
Conc: 9.34 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.779 min
Delta R.T.: 0.000 min
Response: 1780079
Conc: 11.21 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 17.986 min
Delta R.T.: 0.000 min
Response: 1603528
Conc: 10.46 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048571.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:02
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.196	4.161	4.261	BV	201703	1780007	96.81%	5.205%
2	5.714	5.488	5.858	BB	181375	1822653	99.13%	5.330%
3	6.760	6.701	6.885	BB	175216	1826622	99.35%	5.341%
4	7.373	7.238	7.461	BB	154245	1535833	83.53%	4.491%
5	8.025	7.978	8.145	BB	181606	1809718	98.43%	5.292%
6	8.224	8.155	8.295	BV	87703	998081	54.28%	2.918%
7	8.318	8.295	8.431	VV	180640	1838643	100.00%	5.376%
8	9.098	8.978	9.208	BB	155949	1719817	93.54%	5.029%
9	10.484	10.385	10.533	BV	153275	1680489	91.40%	4.914%
10	10.560	10.533	10.735	VB	125868	1635709	88.96%	4.783%
11	11.257	11.068	11.325	BB	168238	1758096	95.62%	5.141%
12	12.288	12.258	12.415	BB	138726	1671203	90.89%	4.887%
13	12.581	12.518	12.645	BV	140018	1639022	89.14%	4.793%
14	14.450	14.421	14.470	PV	124977	1472368	80.08%	4.305%
15	14.491	14.470	14.645	VB	122848	1725560	93.85%	5.046%
16	15.995	15.961	16.010	BV	131640	1544713	84.01%	4.517%
17	16.026	16.010	16.151	VB	114804	1579300	85.89%	4.618%
18	16.374	16.205	16.468	BV	111460	1518079	82.57%	4.439%
19	17.737	17.705	17.758	BV	94271	1259393	68.50%	3.683%
20	17.779	17.758	17.955	VV	83223	1780079	96.81%	5.205%
21	17.986	17.955	18.175	VB	101691	1603528	87.21%	4.689%
Sum of corrected areas:						34198912		

Aromatic EPH 102324.M Wed Oct 23 18:19:08 2024

Lab Sample ID:	5 PPM AROMATIC HC S	Acq On:	23 Oct 2024 17:38
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048572.D	Misc:	
Instrument:	FID_D	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.095	5.813	1773971.000	10.000	ug/ml
Aromatic C12-C16	5.814	8.419	2683618.000	15.000	ug/ml
Aromatic C16-C21	8.420	12.681	3268126.000	20.000	ug/ml
Aromatic C21-C36	12.682	18.087	6877987.000	45.000	ug/ml
Aromatic EPH	4.095	18.087	14603702.000	90.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
 Data File : FD048572.D
 Signal(s) : FID2B.ch
 Acq On : 23 Oct 2024 17:38
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Integration File: autoint1.e
 Quant Time: Oct 23 18:14:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 18:14:05 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.375	765966	5.047 ug/ml
Spiked Amount 50.000		Recovery =	10.09%
6) S 2-Fluorobiphenyl (SURR)	8.228	453280	4.616 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	9.23%
11) S ortho-Terphenyl (SURR)	11.257	878976	5.160 ug/ml
Spiked Amount 50.000		Recovery =	10.32%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.197	891941	5.127 ug/ml
2) T Naphthalene (C11.7)	5.716	882030	4.943 ug/ml
3) T 2-Methylnaphthalene (...)	6.762	888953	4.970 ug/ml
5) T Acenaphthylene (C15.06)	8.026	887785	5.056 ug/ml
7) T Acenaphthene (C15.5)	8.319	906880	5.113 ug/ml
8) T Fluorene (C16.55)	9.101	838419	4.960 ug/ml
9) T Phenanthrene (C19.36)	10.487	812730	4.917 ug/ml
10) T Anthracene (C19.43)	10.565	809302	5.061 ug/ml
12) T Fluoranthene (C21.85)	12.291	849157	5.160 ug/ml
13) T Pyrene (C20.8)	12.583	807675	5.014 ug/ml
14) T Benzo[a]anthracene (C...	14.453	671281	4.591 ug/ml
15) T Chrysene (C27.41)	14.493	886842	5.391 ug/ml
16) T benzo[b]fluoranthene ...	15.998	725025	4.769 ug/ml
17) T Bnezo[k]fluoranthene ...	16.030	780831	5.195 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.381	746043	4.957 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.744	565150	4.331 ug/ml
20) T Dibenz[a,h]anthracene...	17.787	892102	5.482 ug/ml
21) T Benzo[g,h,i]perylene ...	17.990	761556	4.974 ug/ml

(f)=RT Delta > 1/2 Window

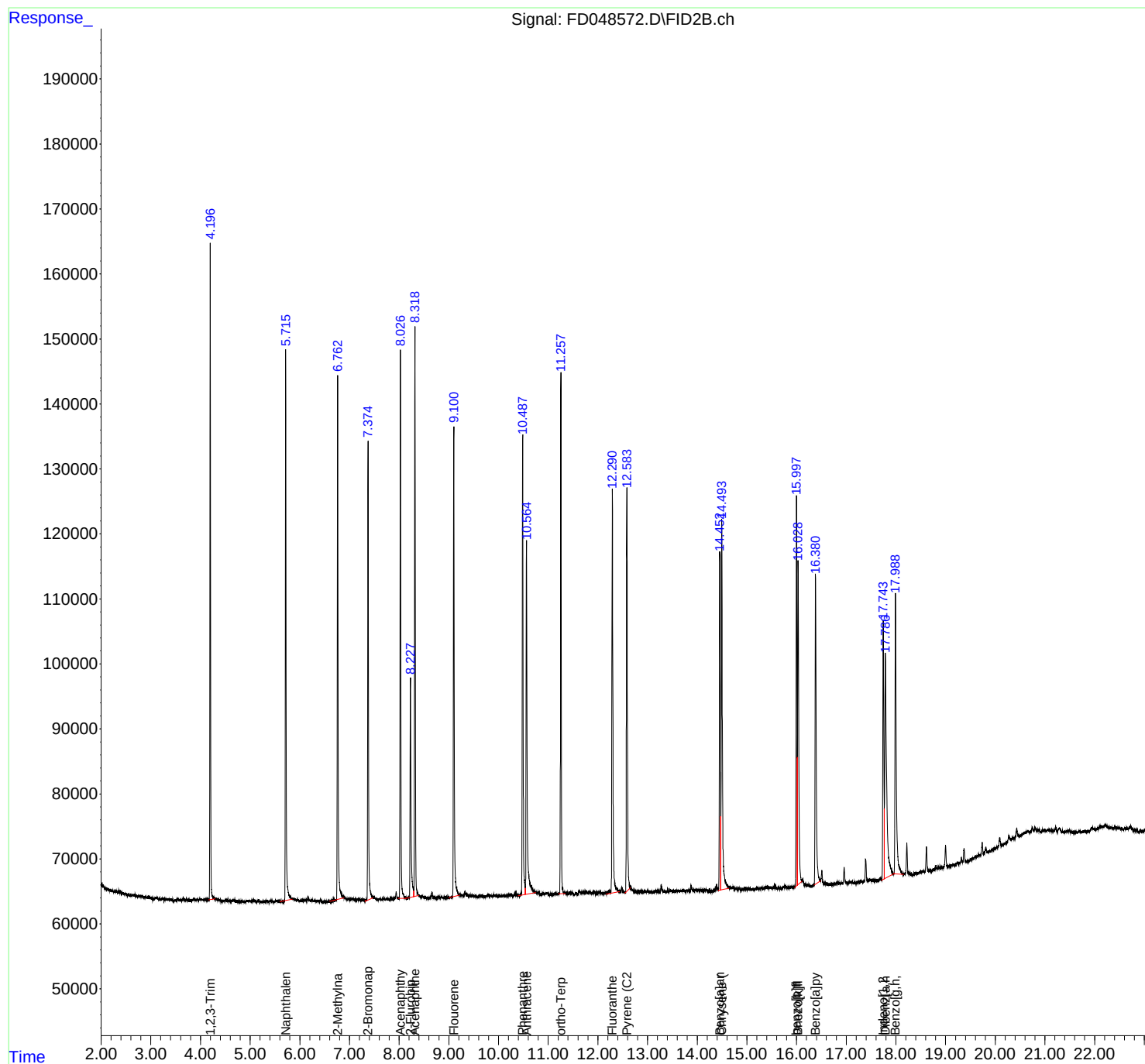
(m)=manual int.

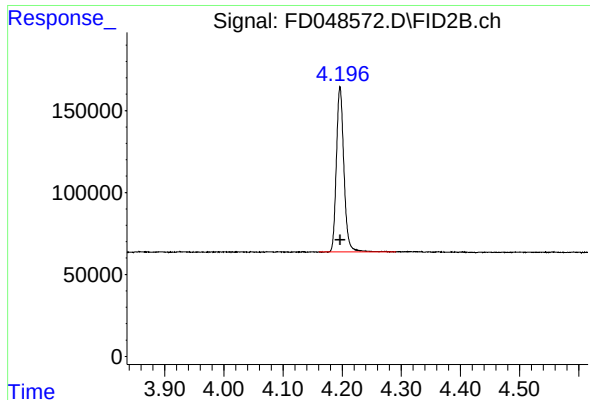
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048572.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:38
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 23 18:14:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

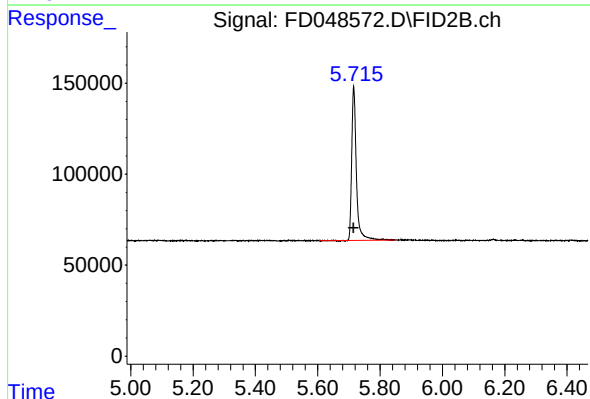




#1 1,2,3-Trimethylbenzene (C10.1)

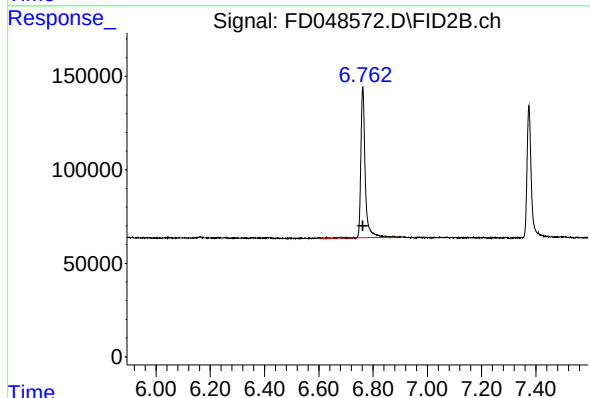
R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 891941
Conc: 5.13 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



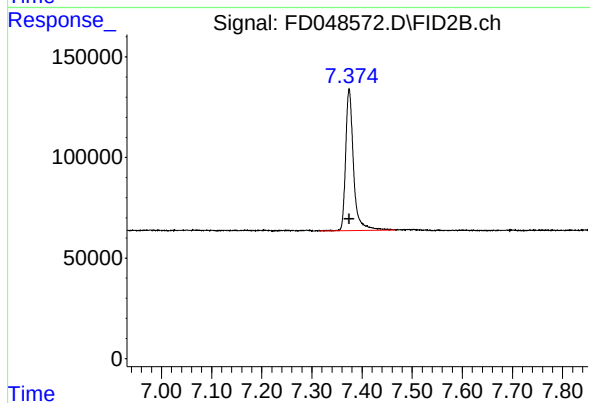
#2 Naphthalene (C11.7)

R.T.: 5.716 min
Delta R.T.: 0.000 min
Response: 882030
Conc: 4.94 ug/ml



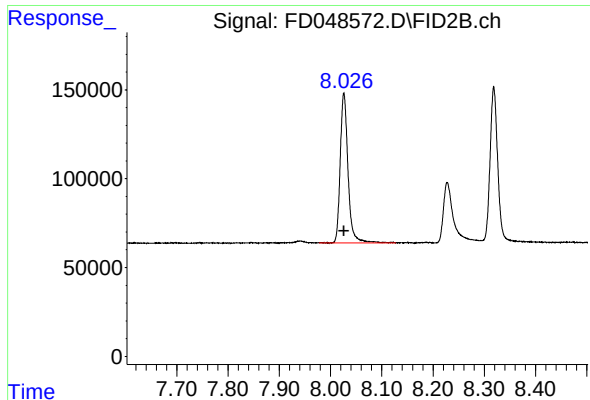
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.762 min
Delta R.T.: 0.000 min
Response: 888953
Conc: 4.97 ug/ml



#4 2-Bromonaphthalene (SURR)

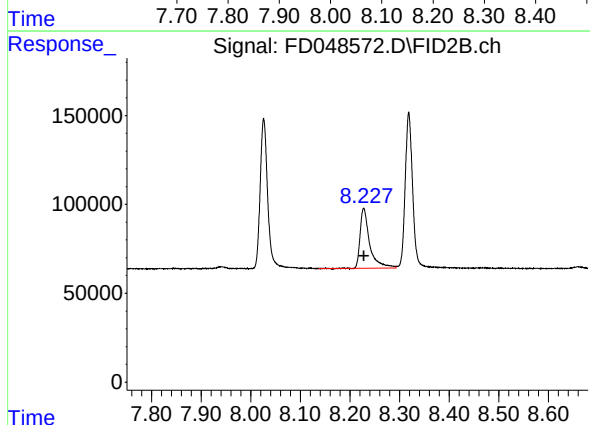
R.T.: 7.375 min
Delta R.T.: 0.000 min
Response: 765966
Conc: 5.05 ug/ml



#5 Acenaphthylene (C15.06)

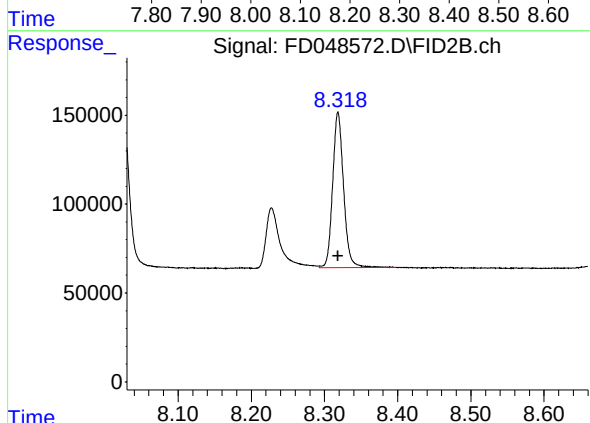
R.T.: 8.026 min
Delta R.T.: 0.000 min
Response: 887785
Conc: 5.06 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



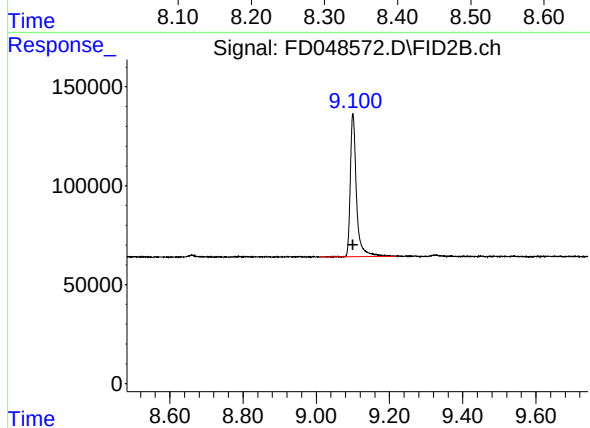
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.228 min
Delta R.T.: 0.000 min
Response: 453280
Conc: 4.62 ug/ml



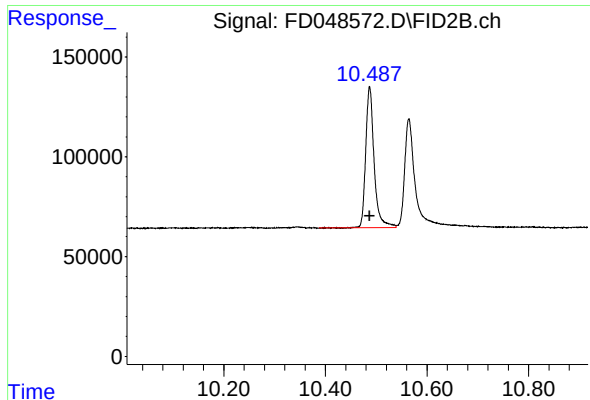
#7 Acenaphthene (C15.5)

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 906880
Conc: 5.11 ug/ml



#8 Fluorene (C16.55)

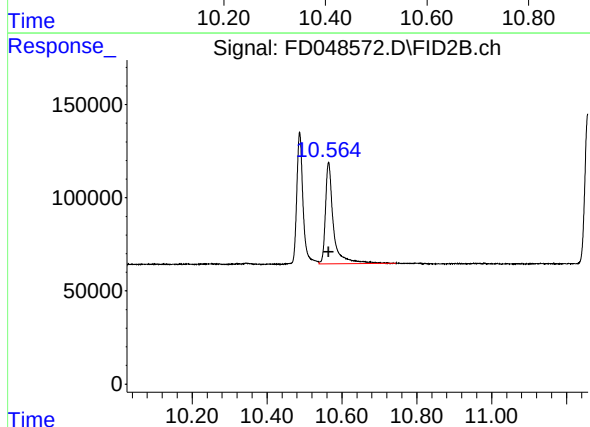
R.T.: 9.101 min
Delta R.T.: 0.000 min
Response: 838419
Conc: 4.96 ug/ml



#9 Phenanthrene (C19.36)

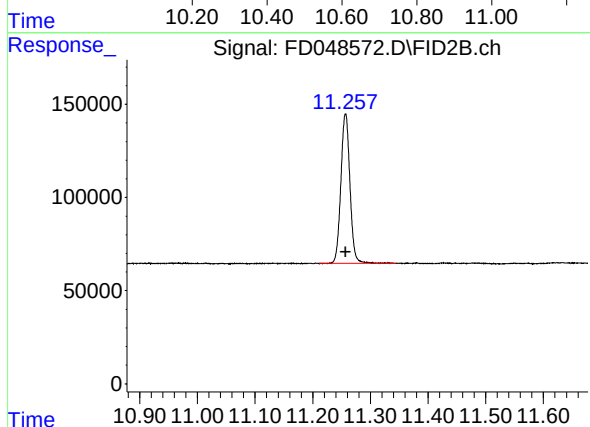
R.T.: 10.487 min
Delta R.T.: 0.000 min
Response: 812730
Conc: 4.92 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



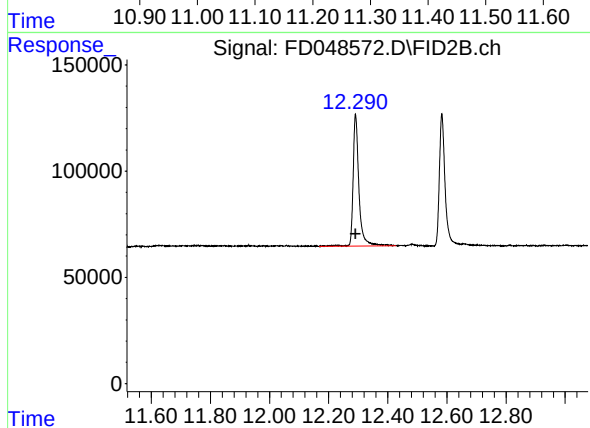
#10 Anthracene (C19.43)

R.T.: 10.565 min
Delta R.T.: 0.000 min
Response: 809302
Conc: 5.06 ug/ml



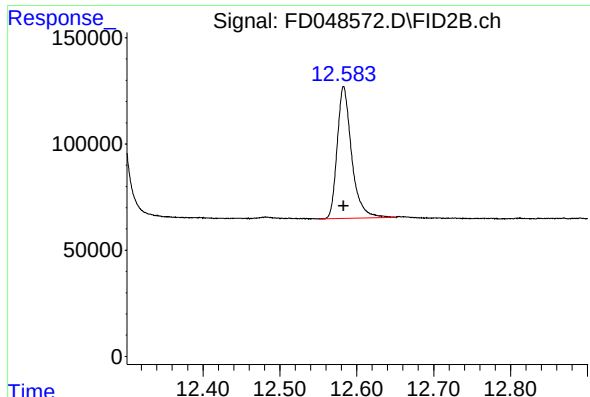
#11 ortho-Terphenyl (SURRE)

R.T.: 11.257 min
Delta R.T.: 0.000 min
Response: 878976
Conc: 5.16 ug/ml



#12 Fluoranthene (C21.85)

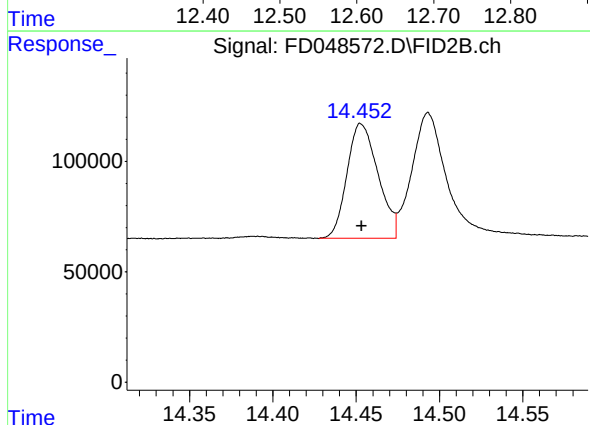
R.T.: 12.291 min
Delta R.T.: 0.000 min
Response: 849157
Conc: 5.16 ug/ml



#13 Pyrene (C20.8)

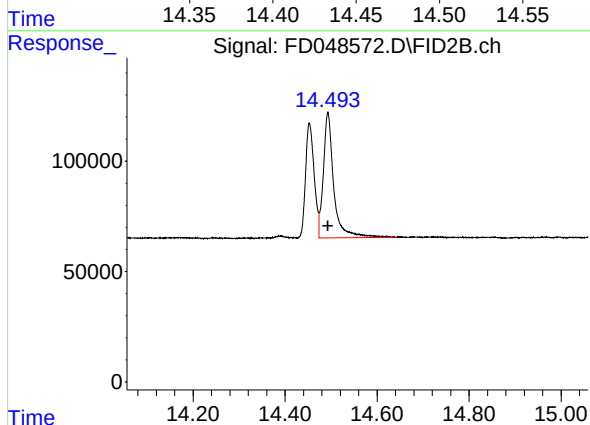
R.T.: 12.583 min
Delta R.T.: 0.000 min
Response: 807675
Conc: 5.01 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



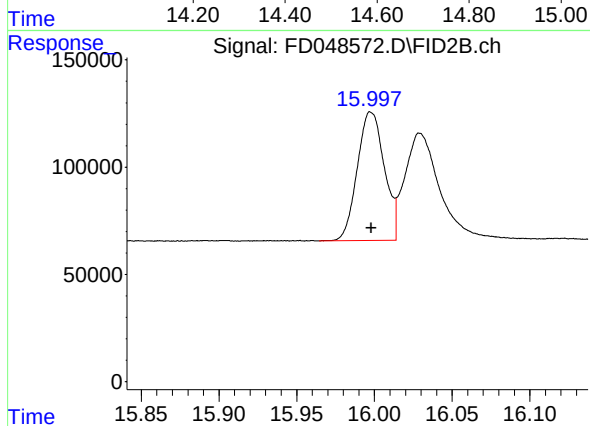
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.453 min
Delta R.T.: 0.000 min
Response: 671281
Conc: 4.59 ug/ml



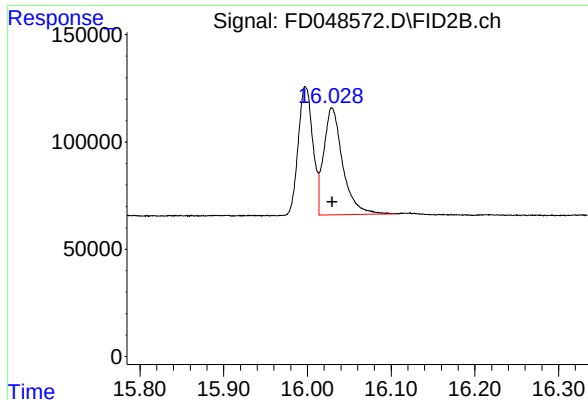
#15 Chrysene (C27.41)

R.T.: 14.493 min
Delta R.T.: 0.000 min
Response: 886842
Conc: 5.39 ug/ml



#16 benzo[b]fluoranthene (C30.41)

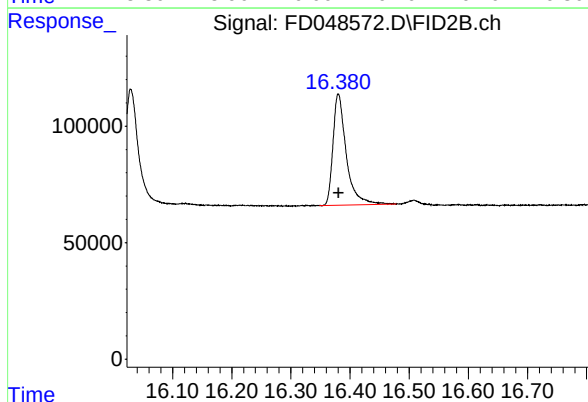
R.T.: 15.998 min
Delta R.T.: 0.000 min
Response: 725025
Conc: 4.77 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

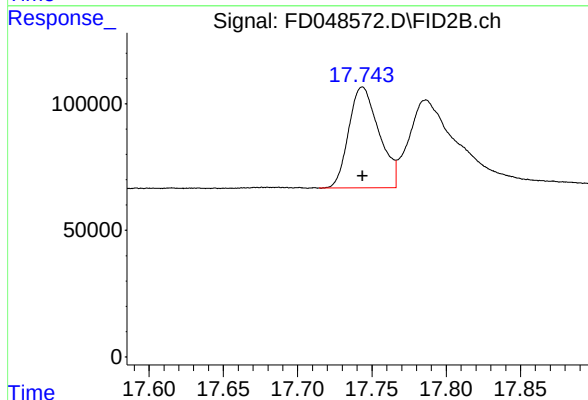
R.T.: 16.030 min
Delta R.T.: 0.000 min
Response: 780831
Conc: 5.20 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



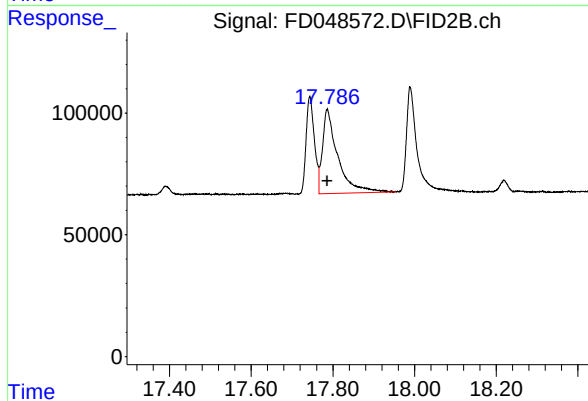
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.381 min
Delta R.T.: 0.000 min
Response: 746043
Conc: 4.96 ug/ml



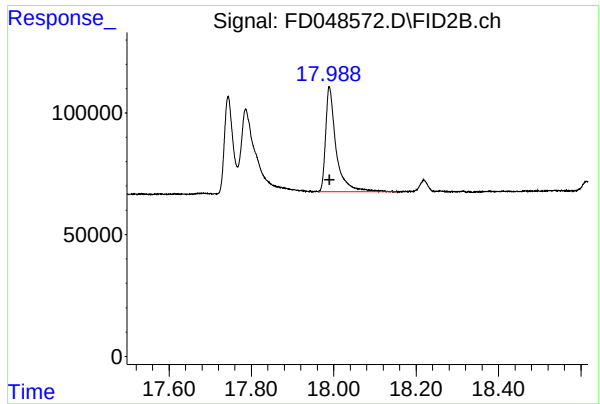
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.744 min
Delta R.T.: 0.000 min
Response: 565150
Conc: 4.33 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.787 min
Delta R.T.: 0.000 min
Response: 892102
Conc: 5.48 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 17.990 min
Delta R.T.: 0.000 min
Response: 761556
Conc: 4.97 ug/ml

Instrument :

FID_D

ClientSampleId :

5 PPM AROMATIC HC STD5

A

B

C

D

E

F

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048572.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:38
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.197	4.161	4.291	BB	99856	891941	98.35%	5.340%
2	5.716	5.604	5.851	BB	84500	882030	97.26%	5.281%
3	6.762	6.601	6.884	BB	80288	888953	98.02%	5.322%
4	7.375	7.314	7.468	BB	70282	765966	84.46%	4.586%
5	8.026	7.978	8.128	BB	83372	887785	97.89%	5.315%
6	8.228	8.138	8.293	BV	33723	453280	49.98%	2.714%
7	8.319	8.293	8.398	VB	87190	906880	100.00%	5.430%
8	9.101	9.008	9.218	BB	71759	838419	92.45%	5.020%
9	10.487	10.388	10.539	BV	70612	812730	89.62%	4.866%
10	10.565	10.539	10.744	VB	54403	809302	89.24%	4.846%
11	11.257	11.211	11.344	BB	80592	878976	96.92%	5.263%
12	12.291	12.168	12.428	BB	61860	849157	93.64%	5.084%
13	12.583	12.551	12.651	BV	61467	807675	89.06%	4.836%
14	14.453	14.428	14.474	PV	51289	671281	74.02%	4.019%
15	14.493	14.474	14.641	VB	56549	886842	97.79%	5.310%
16	15.998	15.964	16.014	BV	60013	725025	79.95%	4.341%
17	16.030	16.014	16.106	VV	49388	780831	86.10%	4.675%
18	16.381	16.348	16.478	BV	47621	746043	82.26%	4.467%
19	17.744	17.714	17.766	BV	39855	565150	62.32%	3.384%
20	17.787	17.766	17.954	VB	34397	892102	98.37%	5.341%
21	17.990	17.964	18.151	BB	42474	761556	83.98%	4.560%
Sum of corrected areas:							16701921	

Aromatic EPH 102324.M Wed Oct 23 18:19:26 2024

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	23 Oct 2024 18:14
Client Sample ID:	20 PPM AROMATIC HC S	Operator:	YP/AJ
Data file:	FD048573.D	Misc:	
Instrument:	FID_D	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.095	5.813	7133973	40.487	200	ug/ml
Aromatic C12-C16	5.814	8.419	10745232	60.614	300	ug/ml
Aromatic C16-C21	8.420	12.681	16489725	100.65	500	ug/ml
Aromatic C21-C36	12.682	18.087	24373102	159.601	800	ug/ml
Aromatic EPH	4.095	18.087	58742032	361.352		ug/ml
2-Bromonaphthalene (SURR)	7.372	7.372	3035391	20		ug/ml
2-Fluorobiphenyl (SURR)	8.222	8.222	2009011	20.46		ug/ml
ortho-Terphenyl (SURR)	11.258	11.258	3418196	20.07		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
 Data File : FD048573.D
 Signal(s) : FID2B.ch
 Acq On : 23 Oct 2024 18:14
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Oct 23 18:50:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 18:14:59 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.372	3035391	19.999 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.222	2009011	20.460 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.92%
11) S ortho-Terphenyl (SURR)	11.258	3418196	20.067 ug/ml
Spiked Amount 50.000		Recovery =	40.13%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.195	3511974	20.187 ug/ml
2) T Naphthalene (C11.7)	5.713	3621999	20.299 ug/ml
3) T 2-Methylnaphthalene (...)	6.760	3629138	20.290 ug/ml
5) T Acenaphthylene (C15.06)	8.025	3549708	20.216 ug/ml
7) T Acenaphthene (C15.5)	8.319	3566386	20.108 ug/ml
8) T Fluorene (C16.55)	9.098	3449130	20.405 ug/ml
9) T Phenanthrene (C19.36)	10.485	3337748	20.191 ug/ml
10) T Anthracene (C19.43)	10.560	3166872	19.804 ug/ml
12) T Fluoranthene (C21.85)	12.288	3304952	20.082 ug/ml
13) T Pyrene (C20.8)	12.581	3231023	20.059 ug/ml
14) T Benzo[a]anthracene (C...	14.450	2986450	20.425 ug/ml
15) T Chrysene (C27.41)	14.492	3268283	19.869 ug/ml
16) T benzo[b]fluoranthene ...	15.997	3076351	20.235 ug/ml
17) T Bnezo[k]fluoranthene ...	16.029	3007230	20.008 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.372	3055729	20.304 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.737	2639364	20.228 ug/ml
20) T Dibenz[a,h]anthracene...	17.776	3309486	20.337 ug/ml
21) T Benzo[g,h,i]perylene ...	17.987	3030209	19.793 ug/ml

(f)=RT Delta > 1/2 Window

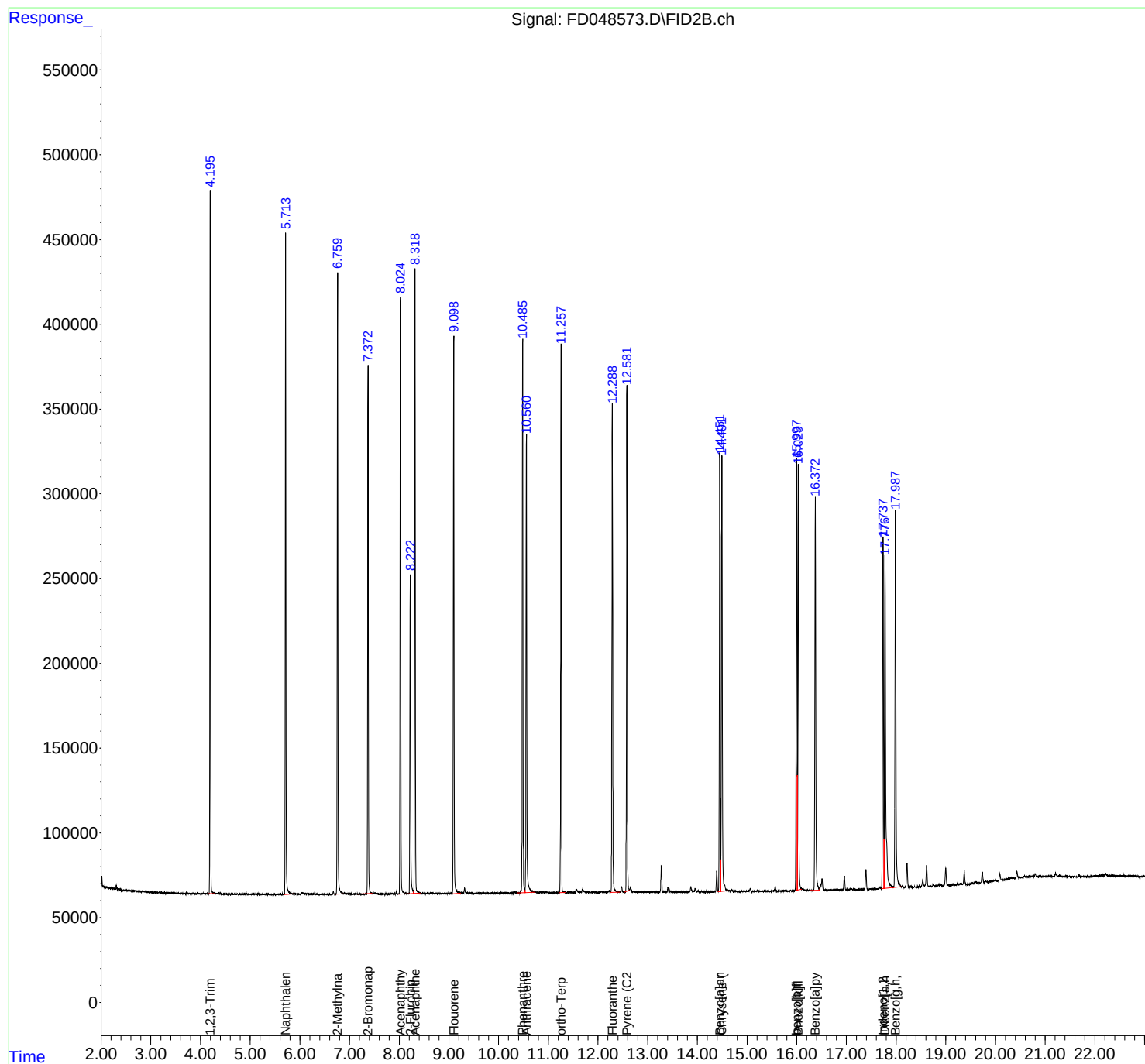
(m)=manual int.

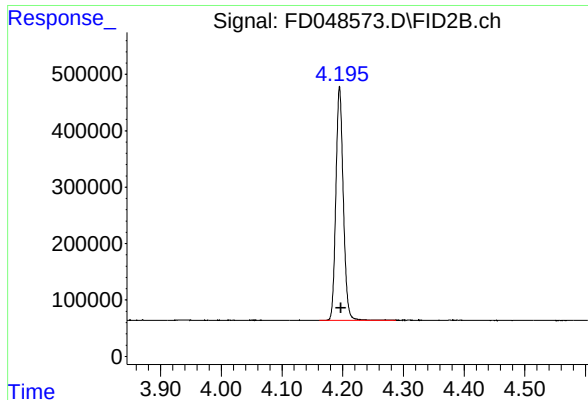
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048573.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 18:14
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 23 18:50:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

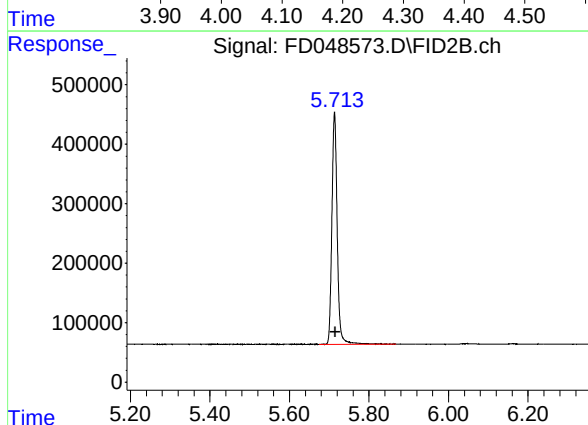




#1 1,2,3-Trimethylbenzene (C10.1)

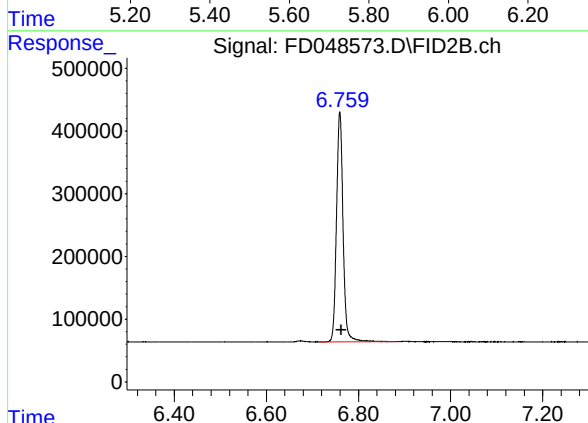
R.T.: 4.195 min
Delta R.T.: -0.002 min
Response: 3511974
Conc: 20.19 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



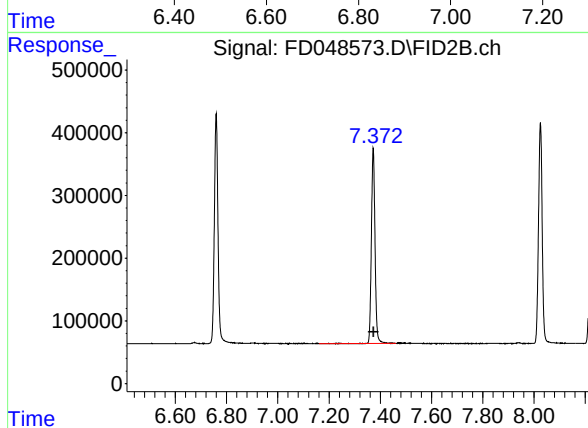
#2 Naphthalene (C11.7)

R.T.: 5.713 min
Delta R.T.: -0.002 min
Response: 3621999
Conc: 20.30 ug/ml



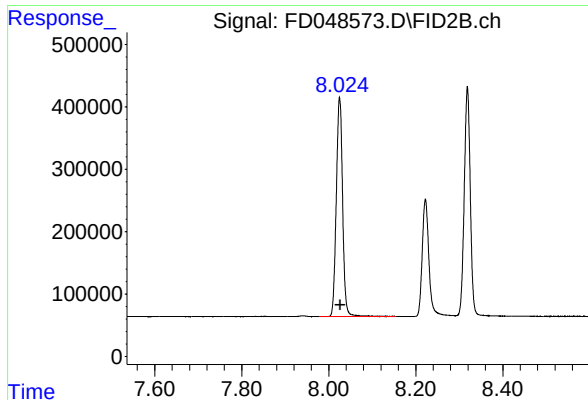
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.760 min
Delta R.T.: -0.003 min
Response: 3629138
Conc: 20.29 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.372 min
Delta R.T.: -0.002 min
Response: 3035391
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

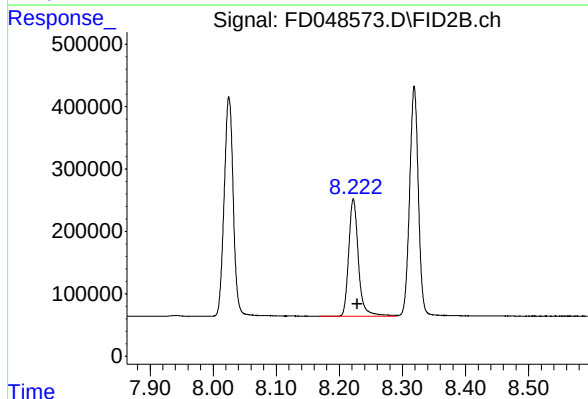
R.T.: 8.025 min
Delta R.T.: -0.001 min
Response: 3549708
Conc: 20.22 ug/ml

Instrument :

FID_D

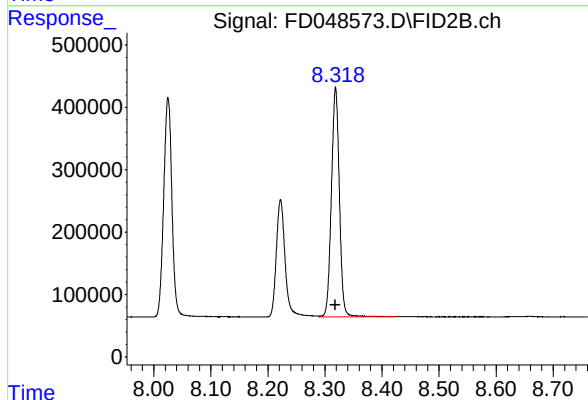
ClientSampleId :

20 PPM AROMATIC HC STD ICV



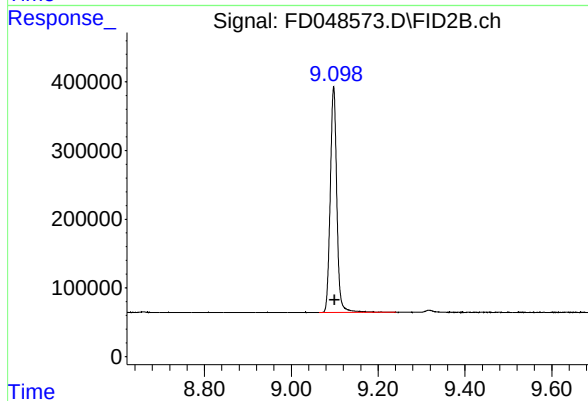
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.222 min
Delta R.T.: -0.006 min
Response: 2009011
Conc: 20.46 ug/ml



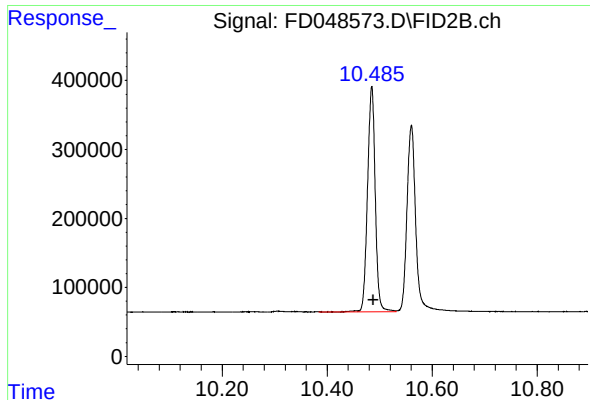
#7 Acenaphthene (C15.5)

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 3566386
Conc: 20.11 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.098 min
Delta R.T.: -0.003 min
Response: 3449130
Conc: 20.40 ug/ml



#9 Phenanthrene (C19.36)

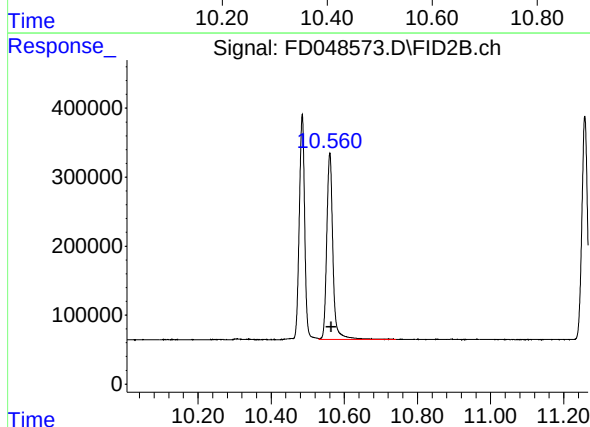
R.T.: 10.485 min
Delta R.T.: -0.003 min
Response: 3337748
Conc: 20.19 ug/ml

Instrument :

FID_D

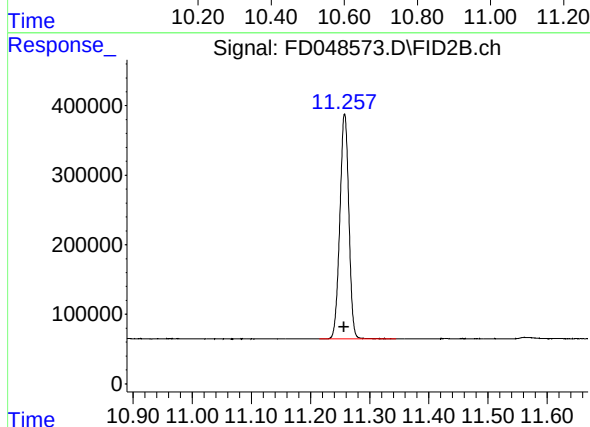
ClientSampleId :

20 PPM AROMATIC HC STD ICV



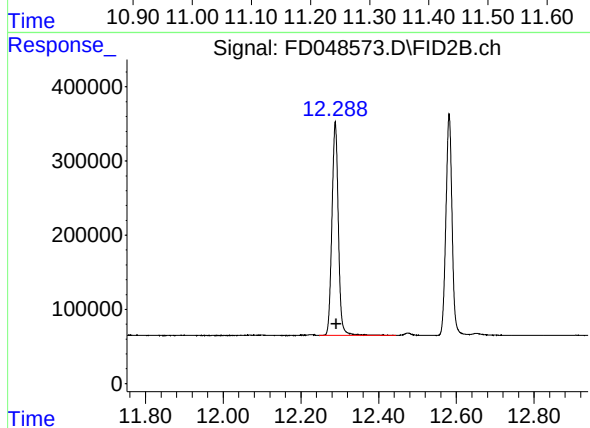
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: -0.004 min
Response: 3166872
Conc: 19.80 ug/ml



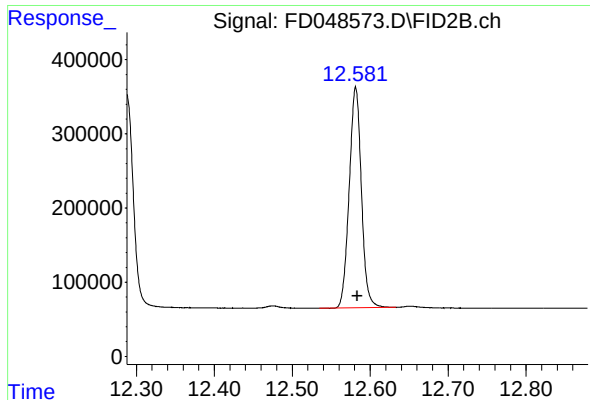
#11 ortho-Terphenyl (SURRE)

R.T.: 11.258 min
Delta R.T.: 0.000 min
Response: 3418196
Conc: 20.07 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.288 min
Delta R.T.: -0.003 min
Response: 3304952
Conc: 20.08 ug/ml



#13 Pyrene (C20.8)

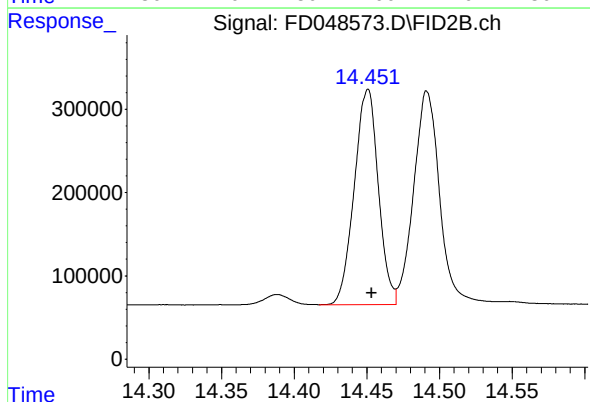
R.T.: 12.581 min
Delta R.T.: -0.002 min
Response: 3231023
Conc: 20.06 ug/ml

Instrument :

FID_D

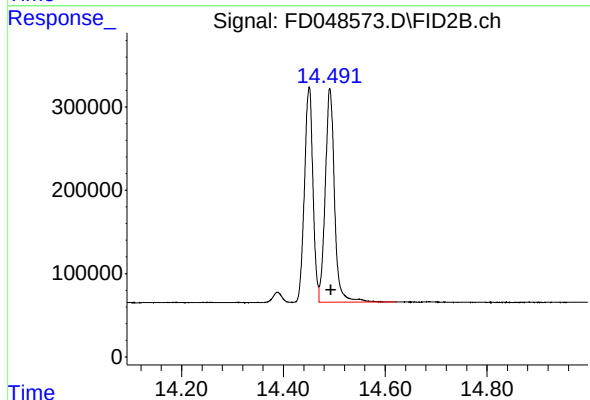
ClientSampleId :

20 PPM AROMATIC HC STD ICV



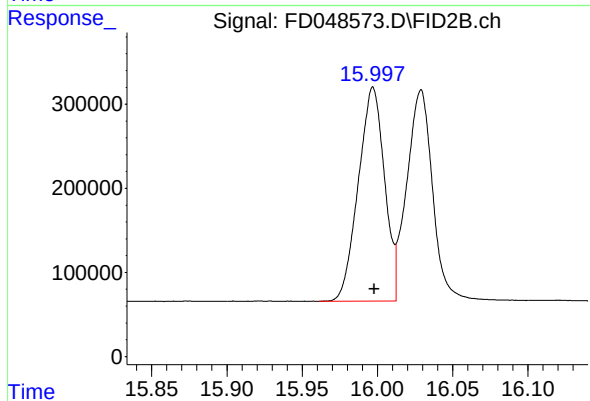
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.450 min
Delta R.T.: -0.003 min
Response: 2986450
Conc: 20.42 ug/ml



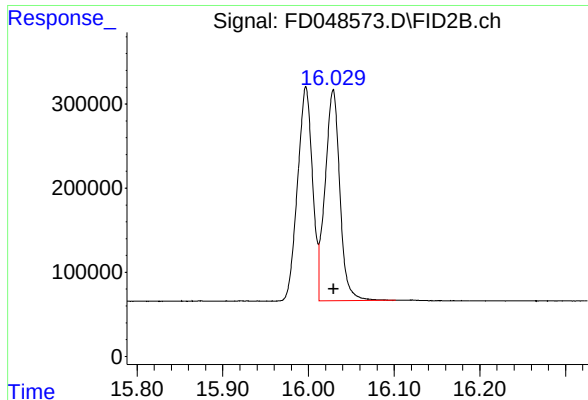
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: -0.002 min
Response: 3268283
Conc: 19.87 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 15.997 min
Delta R.T.: 0.000 min
Response: 3076351
Conc: 20.24 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

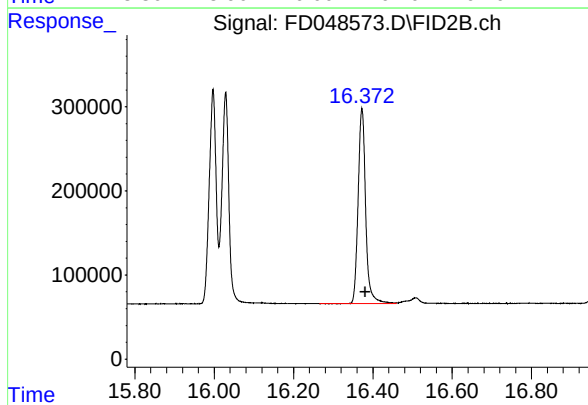
R.T.: 16.029 min
Delta R.T.: 0.000 min
Response: 3007230
Conc: 20.01 ug/ml

Instrument :

FID_D

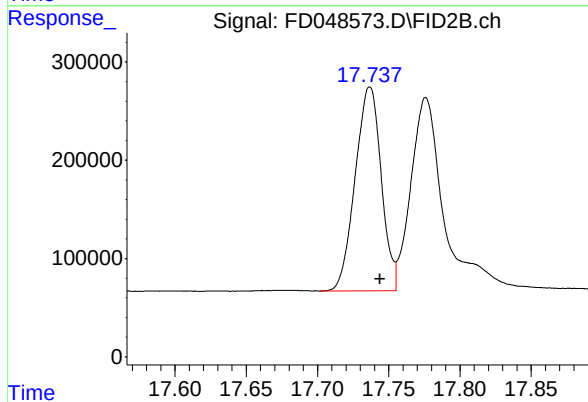
ClientSampleId :

20 PPM AROMATIC HC STD ICV



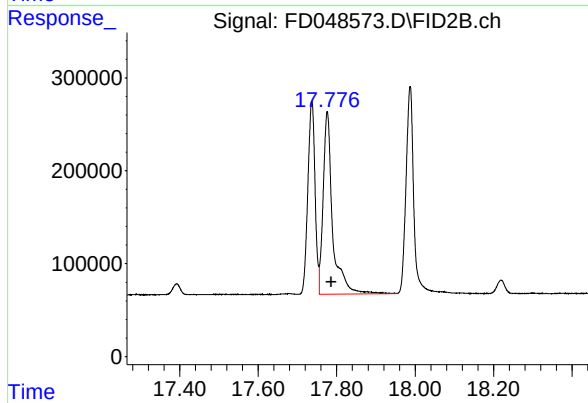
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.372 min
Delta R.T.: -0.008 min
Response: 3055729
Conc: 20.30 ug/ml



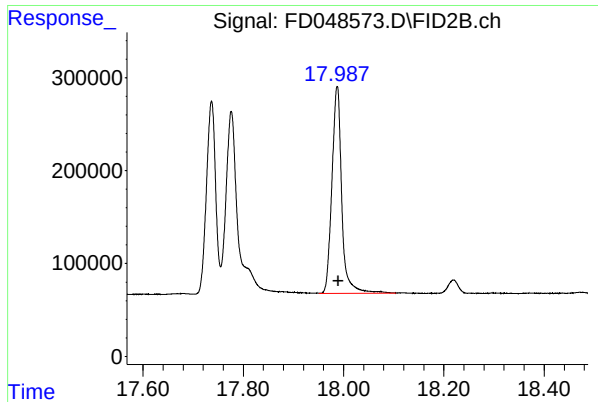
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: -0.007 min
Response: 2639364
Conc: 20.23 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.776 min
Delta R.T.: -0.011 min
Response: 3309486
Conc: 20.34 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 17.987 min
Delta R.T.: -0.003 min
Response: 3030209
Conc: 19.79 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
 Data File : FD048573.D
 Signal(s) : FID2B.ch
 Acq On : 23 Oct 2024 18:14
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.195	4.161	4.288	BB	411534	3511974	96.77%	5.226%
2	5.713	5.674	5.868	BB	387327	3621999	99.80%	5.390%
3	6.760	6.714	6.881	BV	365701	3629138	100.00%	5.400%
4	7.372	7.161	7.461	BB	308815	3035391	83.64%	4.517%
5	8.025	7.978	8.154	BB	351890	3549708	97.81%	5.282%
6	8.222	8.168	8.290	BV	187045	2009011	55.36%	2.989%
7	8.319	8.290	8.424	VB	365720	3566386	98.27%	5.307%
8	9.098	9.064	9.241	PB	328779	3449130	95.04%	5.132%
9	10.485	10.384	10.531	BV	326000	3337748	91.97%	4.967%
10	10.560	10.531	10.741	VB	271677	3166872	87.26%	4.712%
11	11.258	11.214	11.344	BB	324343	3418196	94.19%	5.086%
12	12.288	12.247	12.444	PB	286640	3304952	91.07%	4.918%
13	12.581	12.534	12.633	BV	297215	3231023	89.03%	4.808%
14	14.450	14.417	14.470	VV	260406	2986450	82.29%	4.444%
15	14.492	14.470	14.621	VB	257062	3268283	90.06%	4.863%
16	15.997	15.961	16.012	BV	254462	3076351	84.77%	4.578%
17	16.029	16.012	16.102	VV	249107	3007230	82.86%	4.475%
18	16.372	16.264	16.458	BV	231238	3055729	84.20%	4.547%
19	17.737	17.701	17.755	BV	208961	2639364	72.73%	3.927%
20	17.776	17.755	17.951	VV	196335	3309486	91.19%	4.924%
21	17.987	17.951	18.104	VV	224512	3030209	83.50%	4.509%
Sum of corrected areas:						67204630		

Aromatic EPH 102324.M Wed Oct 23 18:51:40 2024

Continuing Calibration Report for SequenceID : FC102824AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC067534.D

Aliphatic C16-C21	7789407.000	60.000	9.843	13.200	129823.450	127235.092	-2.034
Aliphatic C21-C28	9829212.000	80.000	13.201	16.853	122865.150	120090.398	-2.311
Aliphatic C28-C40	12777442.000	120.000	16.854	21.695	106478.683	101093.195	-5.327
Aliphatic EPH	43937898.000	360.000	3.173	21.695	122049.717	118799.912	-2.736
Aliphatic C9-C12	8169484.000	60.000	3.173	6.453	136158.067	135469.641	-0.508
Aliphatic C12-C16	5372353.000	40.000	6.454	9.842	134308.825	131681.730	-1.995

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	28 Oct 2024 09:16
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067534.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.173	6.453	8169484.000	60.000	ug/ml
Aliphatic C12-C16	6.454	9.842	5372353.000	40.000	ug/ml
Aliphatic C16-C21	9.843	13.200	7789407.000	60.000	ug/ml
Aliphatic C21-C28	13.201	16.853	9829212.000	80.000	ug/ml
Aliphatic C28-C40	16.854	21.695	12777442.000	120.000	ug/ml
Aliphatic EPH	3.173	21.695	43937898.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC102824AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC067541.D

Aliphatic C16-C21	7857628.000	60.000	9.843	13.200	130960.467	127235.092	-2.928
Aliphatic C21-C28	9913509.000	80.000	13.201	16.853	123918.863	120090.398	-3.188
Aliphatic C28-C40	13005709.000	120.000	16.854	21.695	108380.908	101093.195	-7.209
Aliphatic EPH	44286148.000	360.000	3.173	21.695	123017.078	118799.912	-3.550
Aliphatic C9-C12	8119479.000	60.000	3.173	6.453	135324.650	135469.641	0.107
Aliphatic C12-C16	5389823.000	40.000	6.454	9.842	134745.575	131681.730	-2.327

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	28 Oct 2024 13:55
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067541.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.173	6.453	8119479.000	60.000	ug/ml
Aliphatic C12-C16	6.454	9.842	5389823.000	40.000	ug/ml
Aliphatic C16-C21	9.843	13.200	7857628.000	60.000	ug/ml
Aliphatic C21-C28	13.201	16.853	9913509.000	80.000	ug/ml
Aliphatic C28-C40	16.854	21.695	13005709.000	120.000	ug/ml
Aliphatic EPH	3.173	21.695	44286148.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC102824AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC067552.D

Aliphatic C16-C21	7778385.000	60.000	9.843	13.200	129639.750	127235.092	-1.890
Aliphatic C21-C28	9854845.000	80.000	13.201	16.853	123185.563	120090.398	-2.577
Aliphatic C28-C40	13169327.000	120.000	16.854	21.695	109744.392	101093.195	-8.558
Aliphatic EPH	44364168.000	360.000	3.173	21.695	123233.800	118799.912	-3.732
Aliphatic C9-C12	8190095.000	60.000	3.173	6.453	136501.583	135469.641	-0.762
Aliphatic C12-C16	5371516.000	40.000	6.454	9.842	134287.900	131681.730	-1.979

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	29 Oct 2024 08:54
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067552.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.173	6.453	8190095.000	60.000	ug/ml
Aliphatic C12-C16	6.454	9.842	5371516.000	40.000	ug/ml
Aliphatic C16-C21	9.843	13.200	7778385.000	60.000	ug/ml
Aliphatic C21-C28	13.201	16.853	9854845.000	80.000	ug/ml
Aliphatic C28-C40	16.854	21.695	13169327.000	120.000	ug/ml
Aliphatic EPH	3.173	21.695	44364168.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD102824AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD048597.D

Aromatic C10-C12	6478652.000	40.000	4.094	5.812	161966.300	176202.694	8.080
Aromatic C12-C16	9681948.000	60.000	5.813	8.417	161365.800	177273.493	8.974
Aromatic C16-C21	11930066.000	80.000	8.418	12.677	149125.825	163832.550	8.977
Aromatic C21-C36	25141839.000	180.000	12.678	18.081	139676.883	152713.153	8.536
Aromatic EPH	53232505.000	360.000	4.094	18.081	147868.069	161887.469	8.660

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	28 Oct 2024 09:53
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048597.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.094	5.812	6478652.000	40.000	ug/ml
Aromatic C12-C16	5.813	8.417	9681948.000	60.000	ug/ml
Aromatic C16-C21	8.418	12.677	11930066.000	80.000	ug/ml
Aromatic C21-C36	12.678	18.081	25141839.000	180.000	ug/ml
Aromatic EPH	4.094	18.081	53232505.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD102824AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD048602.D

Aromatic C10-C12	6734968.000	40.000	4.094	5.812	168374.200	176202.694	4.443
Aromatic C12-C16	10158777.000	60.000	5.813	8.417	169312.950	177273.493	4.491
Aromatic C16-C21	12462820.000	80.000	8.418	12.677	155785.250	163832.550	4.912
Aromatic C21-C36	25673678.000	180.000	12.678	18.081	142631.544	152713.153	6.602
Aromatic EPH	55030243.000	360.000	4.094	18.081	152861.786	161887.469	5.575

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	28 Oct 2024 13:17
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048602.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.094	5.812	6734968.000	40.000	ug/ml
Aromatic C12-C16	5.813	8.417	10158777.000	60.000	ug/ml
Aromatic C16-C21	8.418	12.677	12462820.000	80.000	ug/ml
Aromatic C21-C36	12.678	18.081	25673678.000	180.000	ug/ml
Aromatic EPH	4.094	18.081	55030243.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD102824AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD048614.D

Aromatic C10-C12	6535868.000	40.000	4.094	5.812	163396.700	176202.694	7.268
Aromatic C12-C16	9728504.000	60.000	5.813	8.417	162141.733	177273.493	8.536
Aromatic C16-C21	11847029.000	80.000	8.418	12.677	148087.863	163832.550	9.610
Aromatic C21-C36	25259345.000	180.000	12.678	18.081	140329.694	152713.153	8.109
Aromatic EPH	53370746.000	360.000	4.094	18.081	148252.072	161887.469	8.423

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	29 Oct 2024 08:54
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048614.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.094	5.812	6535868.000	40.000	ug/ml
Aromatic C12-C16	5.813	8.417	9728504.000	60.000	ug/ml
Aromatic C16-C21	8.418	12.677	11847029.000	80.000	ug/ml
Aromatic C21-C36	12.678	18.081	25259345.000	180.000	ug/ml
Aromatic EPH	4.094	18.081	53370746.000	360.000	ug/ml