

LAB CHRONICLE

OrderID:	Q1664	OrderDate:	3/27/2025 10:47:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 905
Contact:	Smita Sumbaly	Location:	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1664-01	P001-BBDGA-001-01	SOIL			03/26/25			03/27/25
			PCB	8082A		03/28/25	03/28/25	
			Pesticide-TCL	8081B		03/28/25	03/28/25	
			EPH	NJEPH		03/28/25	03/28/25	
Q1664-04	P001-BBDGA-001-01	WATER			03/26/25			03/27/25
			SPLP PCB	8082A		03/31/25	03/31/25	
			SPLP Pesticide	8081B		03/31/25	03/31/25	
			EPH	NJEPH		04/01/25	04/01/25	
Q1664-07	P001-BBDGA-001-02	SOIL			03/26/25			03/27/25
			PCB	8082A		03/28/25	03/28/25	
			Pesticide-TCL	8081B		03/28/25	03/28/25	
			EPH	NJEPH		03/28/25	03/28/25	
Q1664-08	P001-BBDGA-001-02	WATER			03/26/25			03/27/25
			SPLP PCB	8082A		03/31/25	03/31/25	
			SPLP Pesticide	8081B		03/31/25	03/31/25	
			EPH	NJEPH		04/01/25	04/01/25	
Q1664-09	P001-BBDGA-002-01	SOIL			03/26/25			03/27/25
			PCB	8082A		03/28/25	03/28/25	
			Pesticide-TCL	8081B		03/28/25	03/28/25	
			EPH	NJEPH		03/28/25	03/28/25	
Q1664-10	P001-BBDGA-002-01	WATER			03/26/25			03/27/25
			SPLP PCB	8082A		03/31/25	03/31/25	
			SPLP Pesticide	8081B		03/31/25	03/31/25	
			EPH	NJEPH		04/01/25	04/01/25	
Q1664-11	P001-BBDGA-003-01	SOIL			03/26/25			03/27/25
			PCB	8082A		03/28/25	03/28/25	

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			Pesticide-TCL	8081B	03/28/25	03/28/25	
			EPH	NJEPH	03/28/25	03/28/25	
Q1664-12	P001-BBDGA-003-01	WATER			03/26/25		03/27/25
			SPLP PCB	8082A	03/31/25	03/31/25	
			SPLP Pesticide	8081B	03/31/25	03/31/25	
			EPH	NJEPH	04/01/25	04/01/25	
Q1664-13	P001-BBDGA-004-01	SOIL			03/26/25		03/27/25
			PCB	8082A	03/28/25	03/28/25	
			Pesticide-TCL	8081B	03/28/25	03/28/25	
			EPH	NJEPH	03/28/25	03/28/25	
Q1664-14	P001-BBDGA-004-01	WATER			03/26/25		03/27/25
			SPLP PCB	8082A	03/31/25	03/31/25	
			SPLP Pesticide	8081B	03/31/25	03/31/25	
			EPH	NJEPH	04/01/25	04/01/25	
Q1664-15	P001-BBDGA-005-01	SOIL			03/26/25		03/27/25
			PCB	8082A	03/28/25	03/28/25	
			Pesticide-TCL	8081B	03/28/25	03/28/25	
			EPH	NJEPH	03/28/25	03/28/25	
			EPH	NJEPH	03/28/25	03/29/25	
Q1664-16	P001-BBDGA-005-01	WATER			03/26/25		03/27/25
			SPLP PCB	8082A	03/31/25	03/31/25	
			SPLP Pesticide	8081B	03/31/25	03/31/25	
			EPH	NJEPH	04/01/25	04/01/25	
Q1664-17	P001-BBDGA-006-01	SOIL			03/26/25		03/27/25
			PCB	8082A	03/28/25	03/28/25	
			Pesticide-TCL	8081B	03/28/25	03/28/25	
			EPH	NJEPH	03/28/25	03/28/25	
			EPH	NJEPH	03/28/25	03/29/25	
Q1664-18	P001-BBDGA-006-01	WATER			03/26/25		03/27/25
			SPLP PCB	8082A	03/31/25	04/01/25	
			SPLP Pesticide	8081B	03/31/25	03/31/25	
			EPH	NJEPH	04/01/25	04/01/25	
Q1664-19	P001-BBDGA-007-01	SOIL			03/26/25		03/27/25

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			PCB	8082A	03/28/25	03/28/25	
			Pesticide-TCL	8081B	03/28/25	03/28/25	
			EPH	NJEPH	03/28/25	03/28/25	
			EPH	NJEPH	03/28/25	03/29/25	
Q1664-20	P001-BBDGA-007-01	Water			03/26/25		03/27/25
			EPH	NJEPH	04/01/25	04/01/25	
			SPLP PCB	8082A	03/31/25	03/31/25	
			SPLP Pesticide	8081B	03/31/25	03/31/25	
Q1664-21	P001-BBDGA-008-01	SOIL			03/26/25		03/27/25
			PCB	8082A	03/28/25	03/28/25	
			Pesticide-TCL	8081B	03/28/25	03/28/25	
			EPH	NJEPH	03/28/25	03/28/25	
			EPH	NJEPH	03/28/25	03/29/25	
Q1664-22	P001-BBDGA-008-01	Water			03/26/25		03/27/25
			EPH	NJEPH	04/01/25	04/01/25	
			EPH	NJEPH	04/01/25	04/02/25	
			SPLP PCB	8082A	03/31/25	04/01/25	
			SPLP Pesticide	8081B	03/31/25	03/31/25	



SAMPLE DATA

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
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
03/28/25 08:10	03/28/25 17:57	PB167362

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.31	J	1	0.15	1.09	mg/kg	FF015746.D
Aliphatic C12-C16	Aliphatic C12-C16	1.81		1	0.12	0.73	mg/kg	FF015746.D
Aliphatic C16-C21	Aliphatic C16-C21	0.71	J	1	0.14	1.09	mg/kg	FF015746.D
Aliphatic C21-C28	Aliphatic C21-C28	0.90	J	1	0.58	1.45	mg/kg	FF015746.D
Aliphatic C28-C40	Aliphatic C28-C40	2.79		1	1.28	2.17	mg/kg	FF015746.D
Aromatic C10-C12	Aromatic C10-C12	0.59	J	1	0.13	0.73	mg/kg	FG015576.D
Aromatic C12-C16	Aromatic C12-C16	0.82	J	1	0.25	1.09	mg/kg	FG015576.D
Aromatic C16-C21	Aromatic C16-C21	2.83		1	0.44	1.81	mg/kg	FG015576.D
Aromatic C21-C36	Aromatic C21-C36	1.41	J	1	1.29	2.90	mg/kg	FG015576.D
Total AliphaticEPH	Total AliphaticEPH	6.52	J		2.27	6.53	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.65	J		2.10	6.53	mg/kg	
Total EPH	Total EPH	12.2	J		4.37	13.1	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:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
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
FF015746.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.31	J	0.15	1.09	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1.81		0.12	0.73	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.71	J	0.14	1.09	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.90	J	0.58	1.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.79		1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	52.5		40 - 140	105%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-01	Acq On:	28 Mar 2025 17:57
Client Sample ID:	P001-BBDGA-001-01	Operator:	YP\AJ
Data file:	FF015746.D	Misc:	
Instrument:	FID_F	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.833	556682	4.333	300	ug/ml
Aliphatic C12-C16	6.834	10.268	3282160	24.938	200	ug/ml
Aliphatic C16-C21	10.269	13.634	1319596	9.748	300	ug/ml
Aliphatic C21-C28	13.635	17.200	1648508	12.462	400	ug/ml
Aliphatic C28-C40	17.201	22.202	4155991	38.429	600	ug/ml
Aliphatic EPH	3.211	22.202	10962937	89.91		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.373	13.373	5953433	52.46		ug/ml
Aliphatic C9-C28	3.211	17.200	6806946	51.481	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
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
FG015576.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.59	J	0.13	0.73	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.82	J	0.25	1.09	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.83		0.44	1.81	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.41	J	1.29	2.90	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	38.8		40 - 140	78%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	28.3		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.5		40 - 140	63%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-01	Acq On:	28 Mar 2025 17:57
Client Sample ID:	P001-BBDGA-001-01	Operator:	YP\AJ
Data file:	FG015576.D	Misc:	
Instrument:	FID_G	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	1085495	8.101	200	ug/ml
Aromatic C12-C16	6.330	9.039	1559916	11.374	300	ug/ml
Aromatic C16-C21	9.040	13.371	5437926	39.007	500	ug/ml
Aromatic C21-C36	13.372	18.837	2531506	19.444	800	ug/ml
Aromatic EPH	4.449	18.837	10614843	77.925		ug/ml
2-Bromonaphthalene (SURR)	7.964	7.964	4736444	38.77		ug/ml
2-Fluorobiphenyl (SURR)	8.842	8.842	2337684	28.28		ug/ml
ortho-Terphenyl (SURR)	11.916	11.916	4599447	31.54		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-04	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 17:59	PB167402

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	10.1	J	1	8.28	30.0	ug/l	FC068472.D
Aliphatic C12-C16	Aliphatic C12-C16	32.9		1	13.5	20.0	ug/l	FC068472.D
Aliphatic C16-C21	Aliphatic C16-C21	13.6	J	1	8.34	30.0	ug/l	FC068472.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068472.D
Aliphatic C28-C40	Aliphatic C28-C40	39.1	J	1	23.8	60.0	ug/l	FC068472.D
Aromatic C10-C12	Aromatic C10-C12	15.9	J	1	2.07	20.0	ug/l	FG015598.D
Aromatic C12-C16	Aromatic C12-C16	65.6		1	4.26	30.0	ug/l	FG015598.D
Aromatic C16-C21	Aromatic C16-C21	67.4		1	8.27	50.0	ug/l	FG015598.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FG015598.D
Total AliphaticEPH	Total AliphaticEPH	95.7	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	149	J		38.4	180	ug/l	
Total EPH	Total EPH	245	J		105	360	ug/l	

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:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-001-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-04		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068472.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	10.1	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	32.9		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	13.6	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	39.1	J	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.1		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-04	Acq On:	01 Apr 2025 17:59
Client Sample ID:	P001-BBDGA-001-01	Operator:	YP/AJ
Data file:	FC068472.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	815790	5.026	300	ug/ml
Aliphatic C12-C16	6.360	9.742	2768396	16.46	200	ug/ml
Aliphatic C16-C21	9.743	13.096	1162612	6.779	300	ug/ml
Aliphatic C21-C28	13.097	16.749	824245	4.881	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2658895	19.526	600	ug/ml
Aliphatic EPH	3.097	21.544	8229938	52.671		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	6129327	41.12		ug/ml
Aliphatic C9-C28	3.097	16.749	5571043	33.146	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-001-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-04		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015598.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	15.9	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	65.6		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	67.4		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	43.1		40 - 140	86%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	33.5		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.1		40 - 140	84%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-04	Acq On:	01 Apr 2025 17:29
Client Sample ID:	P001-BBDGA-001-01	Operator:	YP\AJ
Data file:	FG015598.D	Misc:	
Instrument:	FID_G	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	1066109	7.956	200	ug/ml
Aromatic C12-C16	6.330	9.035	4496241	32.783	300	ug/ml
Aromatic C16-C21	9.036	13.365	4700633	33.718	500	ug/ml
Aromatic C21-C36	13.366	18.829	1497442	11.502	800	ug/ml
Aromatic EPH	4.450	18.829	11760425	85.959		ug/ml
ortho-Terphenyl (SURR)	11.912	11.912	6142442	42.12		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	5263544	43.09		ug/ml
2-Fluorobiphenyl (SURR)	8.838	8.838	2769876	33.51		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02	SDG No.:	Q1664
Lab Sample ID:	Q1664-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92
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
03/28/25 08:10	03/28/25 19:55	PB167362

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.54	J	1	0.15	1.09	mg/kg	FF015750.D
Aliphatic C12-C16	Aliphatic C12-C16	2.80		1	0.12	0.72	mg/kg	FF015750.D
Aliphatic C16-C21	Aliphatic C16-C21	1.23		1	0.14	1.09	mg/kg	FF015750.D
Aliphatic C21-C28	Aliphatic C21-C28	1.11	J	1	0.58	1.45	mg/kg	FF015750.D
Aliphatic C28-C40	Aliphatic C28-C40	2.71		1	1.28	2.17	mg/kg	FF015750.D
Aromatic C10-C12	Aromatic C10-C12	0.60	J	1	0.13	0.72	mg/kg	FG015580.D
Aromatic C12-C16	Aromatic C12-C16	0.89	J	1	0.25	1.09	mg/kg	FG015580.D
Aromatic C16-C21	Aromatic C16-C21	4.63		1	0.43	1.81	mg/kg	FG015580.D
Aromatic C21-C36	Aromatic C21-C36	1.39	J	1	1.29	2.90	mg/kg	FG015580.D
Total AliphaticEPH	Total AliphaticEPH	8.39			2.27	6.52	mg/kg	
Total AromaticEPH	Total AromaticEPH	7.51			2.10	6.52	mg/kg	
Total EPH	Total EPH	15.9			4.37	13.0	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:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02	SDG No.:	Q1664
Lab Sample ID:	Q1664-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92
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
FF015750.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.54	J	0.15	1.09	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	2.80		0.12	0.72	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	1.23		0.14	1.09	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.11	J	0.58	1.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.71		1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.1		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-07	Acq On:	28 Mar 2025 19:55
Client Sample ID:	P001-BBDGA-001-02	Operator:	YP\AJ
Data file:	FF015750.D	Misc:	
Instrument:	FID_F	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.833	954005	7.426	300	ug/ml
Aliphatic C12-C16	6.834	10.268	5088258	38.66	200	ug/ml
Aliphatic C16-C21	10.269	13.634	2290918	16.923	300	ug/ml
Aliphatic C21-C28	13.635	17.200	2026782	15.322	400	ug/ml
Aliphatic C28-C40	17.201	22.202	4052122	37.469	600	ug/ml
Aliphatic EPH	3.211	22.202	14412085	115.8		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	3868576	34.09		ug/ml
Aliphatic C9-C28	3.211	17.200	10359963	78.331	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02	SDG No.:	Q1664
Lab Sample ID:	Q1664-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92
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
FG015580.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.60	J	0.13	0.72	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.89	J	0.25	1.09	mg/kg
Aromatic C16-C21	Aromatic C16-C21	4.63		0.43	1.81	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.39	J	1.29	2.90	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	33.6		40 - 140	67%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	24.5		40 - 140	49%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.0		40 - 140	40%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-07	Acq On:	28 Mar 2025 19:55
Client Sample ID:	P001-BBDGA-001-02	Operator:	YP\AJ
Data file:	FG015580.D	Misc:	
Instrument:	FID_G	ALS Vial:	78
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	1105429	8.25	200	ug/ml
Aromatic C12-C16	6.330	9.039	1691156	12.331	300	ug/ml
Aromatic C16-C21	9.040	13.371	8917449	63.965	500	ug/ml
Aromatic C21-C36	13.372	18.837	2506350	19.251	800	ug/ml
Aromatic EPH	4.449	18.837	14220384	103.797		ug/ml
2-Bromonaphthalene (SURRE)	7.964	7.964	4099312	33.56		ug/ml
2-Fluorobiphenyl (SURRE)	8.842	8.842	2028349	24.54		ug/ml
ortho-Terphenyl (SURRE)	11.912	11.912	2923106	20.04		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02	SDG No.:	Q1664
Lab Sample ID:	Q1664-08	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 19:51	PB167402

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.49	J	1	8.28	30.0	ug/l	FC068475.D
Aliphatic C12-C16	Aliphatic C12-C16	24.8		1	13.5	20.0	ug/l	FC068475.D
Aliphatic C16-C21	Aliphatic C16-C21	13.0	J	1	8.34	30.0	ug/l	FC068475.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068475.D
Aliphatic C28-C40	Aliphatic C28-C40	39.4	J	1	23.8	60.0	ug/l	FC068475.D
Aromatic C10-C12	Aromatic C10-C12	11.7	J	1	2.07	20.0	ug/l	FG015601.D
Aromatic C12-C16	Aromatic C12-C16	22.9	J	1	4.26	30.0	ug/l	FG015601.D
Aromatic C16-C21	Aromatic C16-C21	57.3		1	8.27	50.0	ug/l	FG015601.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FG015601.D
Total AliphaticEPH	Total AliphaticEPH	85.7	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	91.9	J		38.4	180	ug/l	
Total EPH	Total EPH	178	J		105	360	ug/l	

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:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02	SDG No.:	Q1664
Lab Sample ID:	Q1664-08	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068475.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.49	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	24.8		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	13.0	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	39.4	J	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.0		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-08	Acq On:	01 Apr 2025 19:51
Client Sample ID:	P001-BBDGA-001-02	Operator:	YP/AJ
Data file:	FC068475.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	688918	4.244	300	ug/ml
Aliphatic C12-C16	6.360	9.742	2087736	12.413	200	ug/ml
Aliphatic C16-C21	9.743	13.096	1112234	6.485	300	ug/ml
Aliphatic C21-C28	13.097	16.749	1001665	5.932	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2680734	19.686	600	ug/ml
Aliphatic EPH	3.097	21.544	7571287	48.76		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	6402050	42.95		ug/ml
Aliphatic C9-C28	3.097	16.749	4890553	29.074	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02	SDG No.:	Q1664
Lab Sample ID:	Q1664-08	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015601.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	11.7	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	22.9	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	57.3		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	43.4		40 - 140	87%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	34.9		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.8		40 - 140	86%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-08	Acq On:	01 Apr 2025 18:57
Client Sample ID:	P001-BBDGA-001-02	Operator:	YP\AJ
Data file:	FG015601.D	Misc:	
Instrument:	FID_G	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	783488	5.847	200	ug/ml
Aromatic C12-C16	6.330	9.035	1573562	11.473	300	ug/ml
Aromatic C16-C21	9.036	13.365	3995267	28.658	500	ug/ml
Aromatic C21-C36	13.366	18.829	2157691	16.573	800	ug/ml
Aromatic EPH	4.450	18.829	8510008	62.551		ug/ml
ortho-Terphenyl (SURR)	11.912	11.912	6234413	42.75		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	5297311	43.37		ug/ml
2-Fluorobiphenyl (SURR)	8.839	8.839	2886272	34.92		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/28/25 08:10	03/28/25 16:48	PB167362

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.42	J	1	0.15	1.07	mg/kg	FC068433.D
Aliphatic C12-C16	Aliphatic C12-C16	0.99		1	0.12	0.71	mg/kg	FC068433.D
Aliphatic C16-C21	Aliphatic C16-C21	0.49	J	1	0.14	1.07	mg/kg	FC068433.D
Aliphatic C21-C28	Aliphatic C21-C28	0.98	J	1	0.57	1.42	mg/kg	FC068433.D
Aliphatic C28-C40	Aliphatic C28-C40	1.74	J	1	1.26	2.14	mg/kg	FC068433.D
Aromatic C10-C12	Aromatic C10-C12	0.64	J	1	0.13	0.71	mg/kg	FG015581.D
Aromatic C12-C16	Aromatic C12-C16	4.06		1	0.25	1.07	mg/kg	FG015581.D
Aromatic C16-C21	Aromatic C16-C21	2.67		1	0.43	1.78	mg/kg	FG015581.D
Aromatic C21-C36	Aromatic C21-C36	1.27	U	1	1.27	2.85	mg/kg	FG015581.D
Total AliphaticEPH	Total AliphaticEPH	4.61	J		2.23	6.41	mg/kg	
Total AromaticEPH	Total AromaticEPH	7.37			2.07	6.41	mg/kg	
Total EPH	Total EPH	12.0	J		4.30	12.8	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:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068433.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.42	J	0.15	1.07	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.99		0.12	0.71	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.49	J	0.14	1.07	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.98	J	0.57	1.42	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.74	J	1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.2		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-09	Acq On:	28 Mar 2025 16:48
Client Sample ID:	P001-BBDGA-002-01	Operator:	YP/AJ
Data file:	FC068433.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	3.100	6.360	945621	5.826	300	ug/ml
Aliphatic C12-C16	6.361	9.742	2339416	13.909	200	ug/ml
Aliphatic C16-C21	9.743	13.094	1178746	6.873	300	ug/ml
Aliphatic C21-C28	13.095	16.746	2315792	13.713	400	ug/ml
Aliphatic C28-C40	16.747	21.538	3329027	24.447	600	ug/ml
Aliphatic EPH	3.100	21.538	10108602	64.768		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	4654577	31.22		ug/ml
Aliphatic C9-C28	3.100	16.746	6779575	40.321	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015581.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.64	J	0.13	0.71	mg/kg
Aromatic C12-C16	Aromatic C12-C16	4.06		0.25	1.07	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.67		0.43	1.78	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.27	U	1.27	2.85	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	49.7		40 - 140	99%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	39.5		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.3		40 - 140	46%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-09	Acq On:	28 Mar 2025 20:24
Client Sample ID:	P001-BBDGA-002-01	Operator:	YP\AJ
Data file:	FG015581.D	Misc:	
Instrument:	FID_G	ALS Vial:	79
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	1206931	9.007	200	ug/ml
Aromatic C12-C16	6.330	9.039	7817661	57	300	ug/ml
Aromatic C16-C21	9.040	13.371	5230452	37.518	500	ug/ml
Aromatic C21-C36	13.372	18.837	2088001	16.038	800	ug/ml
Aromatic EPH	4.449	18.837	16343045	119.563		ug/ml
2-Bromonaphthalene (SURR)	7.964	7.964	6074548	49.73		ug/ml
2-Fluorobiphenyl (SURR)	8.842	8.842	3269260	39.55		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	3390112	23.25		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-10	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 20:27	PB167402

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.23	J	1	8.28	30.0	ug/l	FC068476.D
Aliphatic C12-C16	Aliphatic C12-C16	33.8		1	13.5	20.0	ug/l	FC068476.D
Aliphatic C16-C21	Aliphatic C16-C21	13.5	J	1	8.34	30.0	ug/l	FC068476.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068476.D
Aliphatic C28-C40	Aliphatic C28-C40	38.3	J	1	23.8	60.0	ug/l	FC068476.D
Aromatic C10-C12	Aromatic C10-C12	16.7	J	1	2.07	20.0	ug/l	FG015602.D
Aromatic C12-C16	Aromatic C12-C16	65.3		1	4.26	30.0	ug/l	FG015602.D
Aromatic C16-C21	Aromatic C16-C21	81.6		1	8.27	50.0	ug/l	FG015602.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FG015602.D
Total AliphaticEPH	Total AliphaticEPH	93.8	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	164	J		38.4	180	ug/l	
Total EPH	Total EPH	257	J		105	360	ug/l	

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:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-10	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068476.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.23	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	33.8		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	13.5	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	38.3	J	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.0		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-10	Acq On:	01 Apr 2025 20:27
Client Sample ID:	P001-BBDGA-002-01	Operator:	YP/AJ
Data file:	FC068476.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	3.097	6.359	667794	4.114	300	ug/ml
Aliphatic C12-C16	6.360	9.742	2843995	16.909	200	ug/ml
Aliphatic C16-C21	9.743	13.096	1157754	6.75	300	ug/ml
Aliphatic C21-C28	13.097	16.749	853283	5.053	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2609569	19.164	600	ug/ml
Aliphatic EPH	3.097	21.544	8132395	51.99		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	6701020	44.95		ug/ml
Aliphatic C9-C28	3.097	16.749	5522826	32.826	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-002-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-10		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015602.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	16.7	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	65.3		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	81.6		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.2		40 - 140	94%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	33.9		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	48.6		40 - 140	97%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-10	Acq On:	01 Apr 2025 19:26
Client Sample ID:	P001-BBDGA-002-01	Operator:	YP\AJ
Data file:	FG015602.D	Misc:	
Instrument:	FID_G	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	1122145	8.374	200	ug/ml
Aromatic C12-C16	6.330	9.035	4479028	32.657	300	ug/ml
Aromatic C16-C21	9.036	13.365	5685299	40.781	500	ug/ml
Aromatic C21-C36	13.366	18.829	1948051	14.963	800	ug/ml
Aromatic EPH	4.450	18.829	13234523	96.776		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	7082460	48.57		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	5764421	47.19		ug/ml
2-Fluorobiphenyl (SURR)	8.838	8.838	2801378	33.89		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-003-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.6
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
03/28/25 08:10	03/28/25 17:25	PB167362

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.47	J	1	0.15	1.06	mg/kg	FC068434.D
Aliphatic C12-C16	Aliphatic C12-C16	1.16		1	0.12	0.70	mg/kg	FC068434.D
Aliphatic C16-C21	Aliphatic C16-C21	0.53	J	1	0.14	1.06	mg/kg	FC068434.D
Aliphatic C21-C28	Aliphatic C21-C28	0.56	U	1	0.56	1.41	mg/kg	FC068434.D
Aliphatic C28-C40	Aliphatic C28-C40	1.41	J	1	1.25	2.11	mg/kg	FC068434.D
Aromatic C10-C12	Aromatic C10-C12	0.62	J	1	0.13	0.70	mg/kg	FG015582.D
Aromatic C12-C16	Aromatic C12-C16	2.60		1	0.24	1.06	mg/kg	FG015582.D
Aromatic C16-C21	Aromatic C16-C21	2.77		1	0.42	1.76	mg/kg	FG015582.D
Aromatic C21-C36	Aromatic C21-C36	1.26	U	1	1.26	2.82	mg/kg	FG015582.D
Total AliphaticEPH	Total AliphaticEPH	3.57	J		2.21	6.34	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.99	J		2.05	6.34	mg/kg	
Total EPH	Total EPH	9.56	J		4.26	12.7	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:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-003-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.6
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
FC068434.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.47	J	0.15	1.06	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1.16		0.12	0.70	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.53	J	0.14	1.06	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.56	U	0.56	1.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.41	J	1.25	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.2		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-11	Acq On:	28 Mar 2025 17:25
Client Sample ID:	P001-BBDGA-003-01	Operator:	YP/AJ
Data file:	FC068434.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.100	6.360	1078478	6.644	300	ug/ml
Aliphatic C12-C16	6.361	9.742	2779150	16.523	200	ug/ml
Aliphatic C16-C21	9.743	13.094	1290589	7.525	300	ug/ml
Aliphatic C21-C28	13.095	16.746	1171075	6.935	400	ug/ml
Aliphatic C28-C40	16.747	21.538	2716127	19.946	600	ug/ml
Aliphatic EPH	3.100	21.538	9035419	57.574		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	4048332	27.16		ug/ml
Aliphatic C9-C28	3.100	16.746	6319292	37.627	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-003-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.6
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
FG015582.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.62	J	0.13	0.70	mg/kg
Aromatic C12-C16	Aromatic C12-C16	2.60		0.24	1.06	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.77		0.42	1.76	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.26	U	1.26	2.82	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.3		40 - 140	101%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	40.1		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.0		40 - 140	44%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-11	Acq On:	28 Mar 2025 20:53
Client Sample ID:	P001-BBDGA-003-01	Operator:	YP\AJ
Data file:	FG015582.D	Misc:	
Instrument:	FID_G	ALS Vial:	80
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	1177467	8.787	200	ug/ml
Aromatic C12-C16	6.330	9.039	5052472	36.839	300	ug/ml
Aromatic C16-C21	9.040	13.371	5487908	39.365	500	ug/ml
Aromatic C21-C36	13.372	18.837	2086505	16.026	800	ug/ml
Aromatic EPH	4.449	18.837	13804352	101.017		ug/ml
2-Bromonaphthalene (SURR)	7.964	7.964	6147217	50.32		ug/ml
2-Fluorobiphenyl (SURR)	8.841	8.841	3315697	40.11		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	3209047	22.01		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-003-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-12	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 21:04	PB167402

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	7.91	J	1	8.28	30.0	ug/l	FC068477.D
Aliphatic C12-C16	Aliphatic C12-C16	38.5		1	13.5	20.0	ug/l	FC068477.D
Aliphatic C16-C21	Aliphatic C16-C21	12.9	J	1	8.34	30.0	ug/l	FC068477.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068477.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC068477.D
Aromatic C10-C12	Aromatic C10-C12	16.8	J	1	2.07	20.0	ug/l	FG015603.D
Aromatic C12-C16	Aromatic C12-C16	24.2	J	1	4.26	30.0	ug/l	FG015603.D
Aromatic C16-C21	Aromatic C16-C21	171		1	8.27	50.0	ug/l	FG015603.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FG015603.D
Total AliphaticEPH	Total AliphaticEPH	66.4	U		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	212			38.4	180	ug/l	
Total EPH	Total EPH	271	J		105	360	ug/l	

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:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-003-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-12		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068477.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	7.91	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	38.5		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	12.9	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.7		40 - 140	93%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-12	Acq On:	01 Apr 2025 21:04
Client Sample ID:	P001-BBDGA-003-01	Operator:	YP/AJ
Data file:	FC068477.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	3.097	6.359	641909	3.955	300	ug/ml
Aliphatic C12-C16	6.360	9.742	3238831	19.257	200	ug/ml
Aliphatic C16-C21	9.743	13.096	1104683	6.441	300	ug/ml
Aliphatic C21-C28	13.097	16.749	684119	4.051	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2214903	16.266	600	ug/ml
Aliphatic EPH	3.097	21.544	7884445	49.969		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	6957119	46.67		ug/ml
Aliphatic C9-C28	3.097	16.749	5669542	33.704	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-003-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-12	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015603.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	16.8	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	24.2	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	171		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	48.0		40 - 140	96%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	32.4		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	48.0		40 - 140	96%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-12	Acq On:	01 Apr 2025 19:55
Client Sample ID:	P001-BBDGA-003-01	Operator:	YP\AJ
Data file:	FG015603.D	Misc:	
Instrument:	FID_G	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	1126094	8.404	200	ug/ml
Aromatic C12-C16	6.330	9.035	1660428	12.107	300	ug/ml
Aromatic C16-C21	9.036	13.365	11957798	85.774	500	ug/ml
Aromatic C21-C36	13.366	18.829	1393204	10.701	800	ug/ml
Aromatic EPH	4.450	18.829	16137524	116.985		ug/ml
ortho-Terphenyl (SURR)	11.912	11.912	6994550	47.96		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	5864076	48.01		ug/ml
2-Fluorobiphenyl (SURR)	8.838	8.838	2680124	32.42		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-004-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.4
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
03/28/25 08:10	03/28/25 18:02	PB167362

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.37	J	1	0.15	1.05	mg/kg	FC068435.D
Aliphatic C12-C16	Aliphatic C12-C16	0.80		1	0.12	0.70	mg/kg	FC068435.D
Aliphatic C16-C21	Aliphatic C16-C21	0.41	J	1	0.14	1.05	mg/kg	FC068435.D
Aliphatic C21-C28	Aliphatic C21-C28	0.56	U	1	0.56	1.40	mg/kg	FC068435.D
Aliphatic C28-C40	Aliphatic C28-C40	1.48	J	1	1.24	2.09	mg/kg	FC068435.D
Aromatic C10-C12	Aromatic C10-C12	0.61	J	1	0.13	0.70	mg/kg	FG015583.D
Aromatic C12-C16	Aromatic C12-C16	0.75	J	1	0.24	1.05	mg/kg	FG015583.D
Aromatic C16-C21	Aromatic C16-C21	2.45		1	0.42	1.75	mg/kg	FG015583.D
Aromatic C21-C36	Aromatic C21-C36	1.25	U	1	1.25	2.79	mg/kg	FG015583.D
Total AliphaticEPH	Total AliphaticEPH	3.05	J		2.19	6.29	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.80	J		2.04	6.29	mg/kg	
Total EPH	Total EPH	6.86	J		4.23	12.6	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:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-004-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-13		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.4	
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
FC068435.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.37	J	0.15	1.05	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.80		0.12	0.70	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.41	J	0.14	1.05	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.56	U	0.56	1.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.48	J	1.24	2.09	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.5		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-13	Acq On:	28 Mar 2025 18:02
Client Sample ID:	P001-BBDGA-004-01	Operator:	YP/AJ
Data file:	FC068435.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.100	6.360	860385	5.301	300	ug/ml
Aliphatic C12-C16	6.361	9.742	1922355	11.429	200	ug/ml
Aliphatic C16-C21	9.743	13.094	997770	5.818	300	ug/ml
Aliphatic C21-C28	13.095	16.746	903654	5.351	400	ug/ml
Aliphatic C28-C40	16.747	21.538	2894075	21.253	600	ug/ml
Aliphatic EPH	3.100	21.538	7578239	49.152		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.827	12.827	5296863	35.53		ug/ml
Aliphatic C9-C28	3.100	16.746	4684164	27.899	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-004-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-13		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	95.4	
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
FG015583.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.61	J	0.13	0.70	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.75	J	0.24	1.05	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.45		0.42	1.75	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.25	U	1.25	2.79	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	48.7		40 - 140	97%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	41.3		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.5		40 - 140	57%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-13	Acq On:	28 Mar 2025 21:23
Client Sample ID:	P001-BBDGA-004-01	Operator:	YP\AJ
Data file:	FG015583.D	Misc:	
Instrument:	FID_G	ALS Vial:	81
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	1162573	8.676	200	ug/ml
Aromatic C12-C16	6.330	9.039	1467138	10.697	300	ug/ml
Aromatic C16-C21	9.040	13.371	4885475	35.044	500	ug/ml
Aromatic C21-C36	13.372	18.837	1899009	14.586	800	ug/ml
Aromatic EPH	4.449	18.837	9414195	69.003		ug/ml
ortho-Terphenyl (SURR)	11.914	11.914	4161705	28.54		ug/ml
2-Bromonaphthalene (SURR)	7.964	7.964	5952853	48.73		ug/ml
2-Fluorobiphenyl (SURR)	8.842	8.842	3417363	41.34		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-004-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-14	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 21:42	PB167402

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	9.32	J	1	8.28	30.0	ug/l	FC068478.D
Aliphatic C12-C16	Aliphatic C12-C16	43.3		1	13.5	20.0	ug/l	FC068478.D
Aliphatic C16-C21	Aliphatic C16-C21	15.6	J	1	8.34	30.0	ug/l	FC068478.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068478.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC068478.D
Aromatic C10-C12	Aromatic C10-C12	21.4		1	2.07	20.0	ug/l	FG015604.D
Aromatic C12-C16	Aromatic C12-C16	126		1	4.26	30.0	ug/l	FG015604.D
Aromatic C16-C21	Aromatic C16-C21	94.7		1	8.27	50.0	ug/l	FG015604.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FG015604.D
Total AliphaticEPH	Total AliphaticEPH	68.2	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	242			38.4	180	ug/l	
Total EPH	Total EPH	310	J		105	360	ug/l	

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:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-004-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-14	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068478.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	9.32	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	43.3		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	15.6	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.1		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-14	Acq On:	01 Apr 2025 21:42
Client Sample ID:	P001-BBDGA-004-01	Operator:	YP/AJ
Data file:	FC068478.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	3.097	6.359	756480	4.66	300	ug/ml
Aliphatic C12-C16	6.360	9.742	3643012	21.66	200	ug/ml
Aliphatic C16-C21	9.743	13.096	1339663	7.811	300	ug/ml
Aliphatic C21-C28	13.097	16.749	934721	5.535	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2375261	17.443	600	ug/ml
Aliphatic EPH	3.097	21.544	9049137	57.109		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.827	12.827	7917913	53.11		ug/ml
Aliphatic C9-C28	3.097	16.749	6673876	39.666	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-004-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-14	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015604.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	21.4		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	126		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	94.7		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.1		40 - 140	108%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	36.4		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	56.3		40 - 140	113%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-14	Acq On:	01 Apr 2025 20:25
Client Sample ID:	P001-BBDGA-004-01	Operator:	YP\AJ
Data file:	FG015604.D	Misc:	
Instrument:	FID_G	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	1437003	10.724	200	ug/ml
Aromatic C12-C16	6.330	9.035	8686933	63.338	300	ug/ml
Aromatic C16-C21	9.036	13.365	6599402	47.338	500	ug/ml
Aromatic C21-C36	13.366	18.829	2061184	15.832	800	ug/ml
Aromatic EPH	4.450	18.829	18784522	137.232		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	8207815	56.28		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	6613750	54.14		ug/ml
2-Fluorobiphenyl (SURR)	8.838	8.838	3005093	36.36		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-15	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.7
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
03/28/25 08:10	03/28/25 18:39	PB167362

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.30	J	1	0.15	1.09	mg/kg	FC068436.D
Aliphatic C12-C16	Aliphatic C12-C16	1.25		1	0.12	0.73	mg/kg	FC068436.D
Aliphatic C16-C21	Aliphatic C16-C21	0.40	J	1	0.14	1.09	mg/kg	FC068436.D
Aliphatic C21-C28	Aliphatic C21-C28	0.58	U	1	0.58	1.45	mg/kg	FC068436.D
Aliphatic C28-C40	Aliphatic C28-C40	1.28	U	1	1.28	2.18	mg/kg	FC068436.D
Aromatic C10-C12	Aromatic C10-C12	0.60	J	1	0.13	0.73	mg/kg	FG015586.D
Aromatic C12-C16	Aromatic C12-C16	0.78	J	1	0.25	1.09	mg/kg	FG015586.D
Aromatic C16-C21	Aromatic C16-C21	2.60		1	0.44	1.81	mg/kg	FG015586.D
Aromatic C21-C36	Aromatic C21-C36	1.30	U	1	1.30	2.90	mg/kg	FG015586.D
Total AliphaticEPH	Total AliphaticEPH	2.27	U		2.27	6.54	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.98	J		2.12	6.53	mg/kg	
Total EPH	Total EPH	5.93	J		4.39	13.1	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:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-15	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.7
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
FC068436.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.30	J	0.15	1.09	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1.25		0.12	0.73	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.40	J	0.14	1.09	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.58	U	0.58	1.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.28	U	1.28	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.0		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-15	Acq On:	28 Mar 2025 18:39
Client Sample ID:	P001-BBDGA-005-01	Operator:	YP/AJ
Data file:	FC068436.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.100	6.360	674846	4.158	300	ug/ml
Aliphatic C12-C16	6.361	9.742	2907493	17.287	200	ug/ml
Aliphatic C16-C21	9.743	13.094	948332	5.529	300	ug/ml
Aliphatic C21-C28	13.095	16.746	759499	4.498	400	ug/ml
Aliphatic C28-C40	16.747	21.538	2358586	17.321	600	ug/ml
Aliphatic EPH	3.100	21.538	7648756	48.792		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.827	12.827	4174143	28		ug/ml
Aliphatic C9-C28	3.100	16.746	5290170	31.472	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-15	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.7
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
FG015586.D	1	03/28/25	03/29/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.60	J	0.13	0.73	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.78	J	0.25	1.09	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.60		0.44	1.81	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.30	U	1.30	2.90	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.7		40 - 140	95%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	36.8		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.4		40 - 140	57%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-15	Acq On:	29 Mar 2025 00:19
Client Sample ID:	P001-BBDGA-005-01	Operator:	YP\AJ
Data file:	FG015586.D	Misc:	
Instrument:	FID_G	ALS Vial:	82
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	1107750	8.267	200	ug/ml
Aromatic C12-C16	6.330	9.039	1468990	10.711	300	ug/ml
Aromatic C16-C21	9.040	13.371	4994329	35.825	500	ug/ml
Aromatic C21-C36	13.372	18.837	2062024	15.838	800	ug/ml
Aromatic EPH	4.449	18.837	9633093	70.64		ug/ml
2-Bromonaphthalene (SURR)	7.964	7.964	5830250	47.73		ug/ml
2-Fluorobiphenyl (SURR)	8.841	8.841	3038736	36.76		ug/ml
ortho-Terphenyl (SURR)	11.914	11.914	4135520	28.36		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-16	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 22:19	PB167402

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.19	J	1	8.28	30.0	ug/l	FC068479.D
Aliphatic C12-C16	Aliphatic C12-C16	23.6		1	13.5	20.0	ug/l	FC068479.D
Aliphatic C16-C21	Aliphatic C16-C21	9.01	J	1	8.34	30.0	ug/l	FC068479.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068479.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC068479.D
Aromatic C10-C12	Aromatic C10-C12	17.9	J	1	2.07	20.0	ug/l	FG015605.D
Aromatic C12-C16	Aromatic C12-C16	23.8	J	1	4.26	30.0	ug/l	FG015605.D
Aromatic C16-C21	Aromatic C16-C21	181		1	8.27	50.0	ug/l	FG015605.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FG015605.D
Total AliphaticEPH	Total AliphaticEPH	66.4	U		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	223			38.4	180	ug/l	
Total EPH	Total EPH	262	J		105	360	ug/l	

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:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-16	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068479.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.19	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	23.6		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	9.01	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.7		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-16	Acq On:	01 Apr 2025 22:19
Client Sample ID:	P001-BBDGA-005-01	Operator:	YP/AJ
Data file:	FC068479.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	502047	3.093	300	ug/ml
Aliphatic C12-C16	6.360	9.742	1984739	11.8	200	ug/ml
Aliphatic C16-C21	9.743	13.096	772231	4.503	300	ug/ml
Aliphatic C21-C28	13.097	16.749	545814	3.232	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2042778	15.001	600	ug/ml
Aliphatic EPH	3.097	21.544	5847609	37.629		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	7259966	48.7		ug/ml
Aliphatic C9-C28	3.097	16.749	3804831	22.628	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-005-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-16		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015605.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	17.9	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	23.8	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	181		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.2		40 - 140	108%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	56.8		40 - 140	114%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-16	Acq On:	01 Apr 2025 20:54
Client Sample ID:	P001-BBDGA-005-01	Operator:	YP\AJ
Data file:	FG015605.D	Misc:	
Instrument:	FID_G	ALS Vial:	33
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	1199635	8.953	200	ug/ml
Aromatic C12-C16	6.330	9.035	1635450	11.924	300	ug/ml
Aromatic C16-C21	9.036	13.365	12630852	90.602	500	ug/ml
Aromatic C21-C36	13.366	18.829	1175312	9.027	800	ug/ml
Aromatic EPH	4.450	18.829	16641249	120.506		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	8284246	56.81		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	6617414	54.17		ug/ml
2-Fluorobiphenyl (SURR)	8.838	8.838	3509453	42.46		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-006-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-17	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
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
03/28/25 08:10	03/28/25 19:16	PB167362

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.31	J	1	0.15	1.06	mg/kg	FC068437.D
Aliphatic C12-C16	Aliphatic C12-C16	0.72		1	0.12	0.71	mg/kg	FC068437.D
Aliphatic C16-C21	Aliphatic C16-C21	0.39	J	1	0.14	1.06	mg/kg	FC068437.D
Aliphatic C21-C28	Aliphatic C21-C28	0.56	U	1	0.56	1.42	mg/kg	FC068437.D
Aliphatic C28-C40	Aliphatic C28-C40	1.26	U	1	1.26	2.13	mg/kg	FC068437.D
Aromatic C10-C12	Aromatic C10-C12	0.49	J	1	0.13	0.71	mg/kg	FG015587.D
Aromatic C12-C16	Aromatic C12-C16	0.65	J	1	0.25	1.06	mg/kg	FG015587.D
Aromatic C16-C21	Aromatic C16-C21	2.39		1	0.43	1.77	mg/kg	FG015587.D
Aromatic C21-C36	Aromatic C21-C36	1.27	U	1	1.27	2.84	mg/kg	FG015587.D
Total AliphaticEPH	Total AliphaticEPH	2.23	U		2.23	6.38	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.53	J		2.07	6.38	mg/kg	
Total EPH	Total EPH	4.94	J		4.30	12.8	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:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-006-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-17	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
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
FC068437.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.31	J	0.15	1.06	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.72		0.12	0.71	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.39	J	0.14	1.06	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.56	U	0.56	1.42	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.26	U	1.26	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.2		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-17	Acq On:	28 Mar 2025 19:16
Client Sample ID:	P001-BBDGA-006-01	Operator:	YP/AJ
Data file:	FC068437.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.100	6.360	701504	4.322	300	ug/ml
Aliphatic C12-C16	6.361	9.742	1695160	10.079	200	ug/ml
Aliphatic C16-C21	9.743	13.094	934344	5.448	300	ug/ml
Aliphatic C21-C28	13.095	16.746	855865	5.068	400	ug/ml
Aliphatic C28-C40	16.747	21.538	2195115	16.12	600	ug/ml
Aliphatic EPH	3.100	21.538	6381988	41.036		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.827	12.827	4946063	33.18		ug/ml
Aliphatic C9-C28	3.100	16.746	4186873	24.917	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-006-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-17	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
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
FG015587.D	1	03/28/25	03/29/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.49	J	0.13	0.71	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.65	J	0.25	1.06	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.39		0.43	1.77	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.27	U	1.27	2.84	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.3		40 - 140	105%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	45.3		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.1		40 - 140	64%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-17	Acq On:	29 Mar 2025 00:48
Client Sample ID:	P001-BBDGA-006-01	Operator:	YP\AJ
Data file:	FG015587.D	Misc:	
Instrument:	FID_G	ALS Vial:	83
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	926105	6.911	200	ug/ml
Aromatic C12-C16	6.330	9.039	1255874	9.157	300	ug/ml
Aromatic C16-C21	9.040	13.371	4689455	33.638	500	ug/ml
Aromatic C21-C36	13.372	18.837	1822278	13.997	800	ug/ml
Aromatic EPH	4.449	18.837	8693712	63.703		ug/ml
2-Bromonaphthalene (SURRE)	7.964	7.964	6388259	52.3		ug/ml
2-Fluorobiphenyl (SURRE)	8.842	8.842	3740447	45.25		ug/ml
ortho-Terphenyl (SURRE)	11.914	11.914	4681327	32.1		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-006-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-18		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 22:56	PB167402

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	7.17	J	1	8.28	30.0	ug/l	FC068480.D
Aliphatic C12-C16	Aliphatic C12-C16	28.2		1	13.5	20.0	ug/l	FC068480.D
Aliphatic C16-C21	Aliphatic C16-C21	7.69	J	1	8.34	30.0	ug/l	FC068480.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068480.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC068480.D
Aromatic C10-C12	Aromatic C10-C12	13.6	J	1	2.07	20.0	ug/l	FG015606.D
Aromatic C12-C16	Aromatic C12-C16	18.8	J	1	4.26	30.0	ug/l	FG015606.D
Aromatic C16-C21	Aromatic C16-C21	50.8		1	8.27	50.0	ug/l	FG015606.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FG015606.D
Total AliphaticEPH	Total AliphaticEPH	66.4	U		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	83.2	J		38.4	180	ug/l	
Total EPH	Total EPH	126	J		105	360	ug/l	

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:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-006-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-18		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068480.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	7.17	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	28.2		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	7.69	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.7		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-18	Acq On:	01 Apr 2025 22:56
Client Sample ID:	P001-BBDGA-006-01	Operator:	YP/AJ
Data file:	FC068480.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	3.097	6.359	581669	3.583	300	ug/ml
Aliphatic C12-C16	6.360	9.742	2368018	14.079	200	ug/ml
Aliphatic C16-C21	9.743	13.096	659583	3.846	300	ug/ml
Aliphatic C21-C28	13.097	16.749	665760	3.942	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2072921	15.223	600	ug/ml
Aliphatic EPH	3.097	21.544	6347951	40.674		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.827	12.827	7255926	48.67		ug/ml
Aliphatic C9-C28	3.097	16.749	4275030	25.45	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-006-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-18		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015606.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	13.6	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	18.8	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	50.8		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	49.6		40 - 140	99%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	35.3		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	51.5		40 - 140	103%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-18	Acq On:	01 Apr 2025 21:23
Client Sample ID:	P001-BBDGA-006-01	Operator:	YP\AJ
Data file:	FG015606.D	Misc:	
Instrument:	FID_G	ALS Vial:	34
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	910836	6.797	200	ug/ml
Aromatic C12-C16	6.330	9.035	1288592	9.395	300	ug/ml
Aromatic C16-C21	9.036	13.365	3540653	25.397	500	ug/ml
Aromatic C21-C36	13.366	18.829	865341	6.647	800	ug/ml
Aromatic EPH	4.450	18.829	6605422	48.237		ug/ml
ortho-Terphenyl (SURR)	11.912	11.912	7503240	51.45		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	6063779	49.64		ug/ml
2-Fluorobiphenyl (SURR)	8.839	8.839	2920469	35.33		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-007-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-19	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/28/25 08:10	03/28/25 19:53	PB167362

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.98	J	1	0.15	1.08	mg/kg	FC068438.D
Aliphatic C12-C16	Aliphatic C12-C16	3.25		1	0.12	0.72	mg/kg	FC068438.D
Aliphatic C16-C21	Aliphatic C16-C21	1.57		1	0.14	1.08	mg/kg	FC068438.D
Aliphatic C21-C28	Aliphatic C21-C28	0.57	U	1	0.57	1.43	mg/kg	FC068438.D
Aliphatic C28-C40	Aliphatic C28-C40	1.32	J	1	1.27	2.15	mg/kg	FC068438.D
Aromatic C10-C12	Aromatic C10-C12	0.40	J	1	0.13	0.72	mg/kg	FG015588.D
Aromatic C12-C16	Aromatic C12-C16	0.50	J	1	0.25	1.08	mg/kg	FG015588.D
Aromatic C16-C21	Aromatic C16-C21	1.61	J	1	0.43	1.79	mg/kg	FG015588.D
Aromatic C21-C36	Aromatic C21-C36	1.28	U	1	1.28	2.87	mg/kg	FG015588.D
Total AliphaticEPH	Total AliphaticEPH	7.12			2.25	6.46	mg/kg	
Total AromaticEPH	Total AromaticEPH	2.51	J		2.09	6.46	mg/kg	
Total EPH	Total EPH	9.63	J		4.34	12.9	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:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-007-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-19	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068438.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.98	J	0.15	1.08	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	3.25		0.12	0.72	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	1.57		0.14	1.08	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.57	U	0.57	1.43	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.32	J	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.1		40 - 140	94%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-19	Acq On:	28 Mar 2025 19:53
Client Sample ID:	P001-BBDGA-007-01	Operator:	YP/AJ
Data file:	FC068438.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	3.100	6.360	2219989	13.677	300	ug/ml
Aliphatic C12-C16	6.361	9.742	7630758	45.369	200	ug/ml
Aliphatic C16-C21	9.743	13.094	3751721	21.875	300	ug/ml
Aliphatic C21-C28	13.095	16.746	753659	4.463	400	ug/ml
Aliphatic C28-C40	16.747	21.538	2497427	18.34	600	ug/ml
Aliphatic EPH	3.100	21.538	16853554	103.723		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.828	12.828	7019416	47.09		ug/ml
Aliphatic C9-C28	3.100	16.746	14356127	85.384	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-007-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-19	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015588.D	1	03/28/25	03/29/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.40	J	0.13	0.72	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.50	J	0.25	1.08	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.61	J	0.43	1.79	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.28	U	1.28	2.87	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	29.0		40 - 140	58%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	23.8		40 - 140	48%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.4		40 - 140	55%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-19	Acq On:	29 Mar 2025 01:18
Client Sample ID:	P001-BBDGA-007-01	Operator:	YP\AJ
Data file:	FG015588.D	Misc:	
Instrument:	FID_G	ALS Vial:	84
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	748611	5.587	200	ug/ml
Aromatic C12-C16	6.330	9.039	962661	7.019	300	ug/ml
Aromatic C16-C21	9.040	13.371	3133015	22.473	500	ug/ml
Aromatic C21-C36	13.372	18.837	1658008	12.735	800	ug/ml
Aromatic EPH	4.449	18.837	6502295	47.814		ug/ml
2-Bromonaphthalene (SURR)	7.962	7.962	3546906	29.04		ug/ml
2-Fluorobiphenyl (SURR)	8.841	8.841	1963842	23.76		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	4001081	27.44		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-007-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-20	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 23:33	PB167402

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	12.0	J	1	8.28	30.0	ug/l	FC068481.D
Aliphatic C12-C16	Aliphatic C12-C16	37.7		1	13.5	20.0	ug/l	FC068481.D
Aliphatic C16-C21	Aliphatic C16-C21	35.6		1	8.34	30.0	ug/l	FC068481.D
Aliphatic C21-C28	Aliphatic C21-C28	29.0	J	1	12.5	40.0	ug/l	FC068481.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC068481.D
Aromatic C10-C12	Aromatic C10-C12	22.6		1	2.07	20.0	ug/l	FG015607.D
Aromatic C12-C16	Aromatic C12-C16	33.1		1	4.26	30.0	ug/l	FG015607.D
Aromatic C16-C21	Aromatic C16-C21	189		1	8.27	50.0	ug/l	FG015607.D
Aromatic C21-C36	Aromatic C21-C36	95.0		1	23.8	80.0	ug/l	FG015607.D
Total AliphaticEPH	Total AliphaticEPH	114	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	340			38.4	180	ug/l	
Total EPH	Total EPH	454			105	360	ug/l	

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:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-007-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-20	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068481.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	12.0	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	37.7		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	35.6		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	29.0	J	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.1		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-20	Acq On:	01 Apr 2025 23:33
Client Sample ID:	P001-BBDGA-007-01	Operator:	YP/AJ
Data file:	FC068481.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	3.097	6.359	970191	5.977	300	ug/ml
Aliphatic C12-C16	6.360	9.742	3173176	18.866	200	ug/ml
Aliphatic C16-C21	9.743	13.096	3054594	17.81	300	ug/ml
Aliphatic C21-C28	13.097	16.749	2446758	14.489	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2208633	16.219	600	ug/ml
Aliphatic EPH	3.097	21.544	11853352	73.362		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	7918885	53.12		ug/ml
Aliphatic C9-C28	3.097	16.749	9644719	57.142	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-007-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-20	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015607.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	22.6		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	33.1		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	189		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	95.0		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	40.7		40 - 140	81%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	33.1		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.6		40 - 140	83%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-20	Acq On:	01 Apr 2025 21:53
Client Sample ID:	P001-BBDGA-007-01	Operator:	YP\AJ
Data file:	FG015607.D	Misc:	
Instrument:	FID_G	ALS Vial:	35
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	1515594	11.311	200	ug/ml
Aromatic C12-C16	6.330	9.035	2273159	16.574	300	ug/ml
Aromatic C16-C21	9.036	13.365	13205755	94.726	500	ug/ml
Aromatic C21-C36	13.366	18.829	6182390	47.486	800	ug/ml
Aromatic EPH	4.450	18.829	23176898	170.097		ug/ml
ortho-Terphenyl (SURR)	11.911	11.911	6060947	41.56		ug/ml
2-Bromonaphthalene (SURR)	7.960	7.960	4968217	40.67		ug/ml
2-Fluorobiphenyl (SURR)	8.838	8.838	2734929	33.09		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-008-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-21	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/28/25 08:10	03/28/25 20:30	PB167362

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.53	J	1	0.15	1.06	mg/kg	FC068439.D
Aliphatic C12-C16	Aliphatic C12-C16	2.19		1	0.12	0.71	mg/kg	FC068439.D
Aliphatic C16-C21	Aliphatic C16-C21	0.73	J	1	0.14	1.06	mg/kg	FC068439.D
Aliphatic C21-C28	Aliphatic C21-C28	0.56	U	1	0.56	1.42	mg/kg	FC068439.D
Aliphatic C28-C40	Aliphatic C28-C40	1.25	U	1	1.25	2.12	mg/kg	FC068439.D
Aromatic C10-C12	Aromatic C10-C12	0.38	J	1	0.13	0.71	mg/kg	FG015589.D
Aromatic C12-C16	Aromatic C12-C16	0.55	J	1	0.24	1.06	mg/kg	FG015589.D
Aromatic C16-C21	Aromatic C16-C21	3.04		1	0.43	1.77	mg/kg	FG015589.D
Aromatic C21-C36	Aromatic C21-C36	1.26	U	1	1.26	2.83	mg/kg	FG015589.D
Total AliphaticEPH	Total AliphaticEPH	3.45	J		2.22	6.37	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.96	J		2.06	6.37	mg/kg	
Total EPH	Total EPH	7.41	J		4.27	12.7	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:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-008-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-21	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068439.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.53	J	0.15	1.06	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	2.19		0.12	0.71	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.73	J	0.14	1.06	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.56	U	0.56	1.42	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.25	U	1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.2		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-21	Acq On:	28 Mar 2025 20:30
Client Sample ID:	P001-BBDGA-008-01	Operator:	YP/AJ
Data file:	FC068439.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.100	6.360	1208051	7.442	300	ug/ml
Aliphatic C12-C16	6.361	9.742	5195070	30.887	200	ug/ml
Aliphatic C16-C21	9.743	13.094	1775606	10.353	300	ug/ml
Aliphatic C21-C28	13.095	16.746	646750	3.83	400	ug/ml
Aliphatic C28-C40	16.747	21.538	2158642	15.852	600	ug/ml
Aliphatic EPH	3.100	21.538	10984119	68.365		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.827	12.827	4944409	33.17		ug/ml
Aliphatic C9-C28	3.100	16.746	8825477	52.512	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-008-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-21	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015589.D	1	03/28/25	03/29/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.38	J	0.13	0.71	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.55	J	0.24	1.06	mg/kg
Aromatic C16-C21	Aromatic C16-C21	3.04		0.43	1.77	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.26	U	1.26	2.83	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	33.7		40 - 140	67%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	28.2		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.6		40 - 140	41%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-21	Acq On:	29 Mar 2025 01:47
Client Sample ID:	P001-BBDGA-008-01	Operator:	YP\AJ
Data file:	FG015589.D	Misc:	
Instrument:	FID_G	ALS Vial:	85
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	708872	5.29	200	ug/ml
Aromatic C12-C16	6.330	9.039	1061061	7.736	300	ug/ml
Aromatic C16-C21	9.040	13.371	5980506	42.899	500	ug/ml
Aromatic C21-C36	13.372	18.837	1508682	11.588	800	ug/ml
Aromatic EPH	4.449	18.837	9259121	67.513		ug/ml
2-Bromonaphthalene (SURR)	7.963	7.963	4112715	33.67		ug/ml
2-Fluorobiphenyl (SURR)	8.841	8.841	2331797	28.21		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	3000891	20.58		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-008-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-22	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/02/25 0:09	PB167402

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	10.8	J	1	8.28	30.0	ug/l	FC068482.D
Aliphatic C12-C16	Aliphatic C12-C16	38.4		1	13.5	20.0	ug/l	FC068482.D
Aliphatic C16-C21	Aliphatic C16-C21	20.9	J	1	8.34	30.0	ug/l	FC068482.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068482.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC068482.D
Aromatic C10-C12	Aromatic C10-C12	17.7	J	1	2.07	20.0	ug/l	FG015608.D
Aromatic C12-C16	Aromatic C12-C16	25.7	J	1	4.26	30.0	ug/l	FG015608.D
Aromatic C16-C21	Aromatic C16-C21	66.2		1	8.27	50.0	ug/l	FG015608.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FG015608.D
Total AliphaticEPH	Total AliphaticEPH	70.1	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	110	J		38.4	180	ug/l	
Total EPH	Total EPH	180	J		105	360	ug/l	

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:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-008-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-22	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068482.D	1	04/01/25	04/02/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	10.8	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	38.4		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	20.9	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	52.6		40 - 140	105%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-22	Acq On:	02 Apr 2025 00:09
Client Sample ID:	P001-BBDGA-008-01	Operator:	YP/AJ
Data file:	FC068482.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	872594	5.376	300	ug/ml
Aliphatic C12-C16	6.360	9.742	3230454	19.207	200	ug/ml
Aliphatic C16-C21	9.743	13.096	1795511	10.469	300	ug/ml
Aliphatic C21-C28	13.097	16.749	617132	3.654	400	ug/ml
Aliphatic C28-C40	16.750	21.544	2087984	15.333	600	ug/ml
Aliphatic EPH	3.097	21.544	8603675	54.039		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.826	12.826	7841644	52.6		ug/ml
Aliphatic C9-C28	3.097	16.749	6515691	38.706	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	P001-BBDGA-008-01		SDG No.:	Q1664	
Lab Sample ID:	Q1664-22		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015608.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	17.7	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	25.7	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	66.2		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	53.5		40 - 140	107%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	46.2		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	57.3		40 - 140	115%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-22	Acq On:	01 Apr 2025 22:22
Client Sample ID:	P001-BBDGA-008-01	Operator:	YP\AJ
Data file:	FG015608.D	Misc:	
Instrument:	FID_G	ALS Vial:	36
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	1188846	8.872	200	ug/ml
Aromatic C12-C16	6.330	9.035	1765512	12.873	300	ug/ml
Aromatic C16-C21	9.036	13.365	4611667	33.08	500	ug/ml
Aromatic C21-C36	13.366	18.829	1186289	9.112	800	ug/ml
Aromatic EPH	4.450	18.829	8752314	63.936		ug/ml
ortho-Terphenyl (SURR)	11.914	11.914	8349751	57.26		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	6537204	53.52		ug/ml
2-Fluorobiphenyl (SURR)	8.838	8.838	3818986	46.2		ug/ml



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ROYF02
Lab Code: CHEM CASE No.: Q1664 SAS No.: Q1664 SDG No.: Q1664
Run Number: FC032825AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
P001-BBDGA-002-01	62			0
P001-BBDGA-003-01	54			0
P001-BBDGA-004-01	71			0
P001-BBDGA-005-01	56			0
P001-BBDGA-006-01	66			0
P001-BBDGA-007-01	94			0
P001-BBDGA-008-01	66			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: ROYF02
Lab Code: CHEM CASE No.: Q1664 SAS No.: Q1664 SDG No.: Q1664
Run Number: FC040125AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB167402BL	66			0
PB167402BS	80			0
PB167402TB	65			0
P001-BBDGA-001-01	82			0
P001-BBDGA-001-02	86			0
P001-BBDGA-002-01	90			0
P001-BBDGA-003-01	93			0
P001-BBDGA-004-01	106			0
P001-BBDGA-005-01	97			0
P001-BBDGA-006-01	97			0
P001-BBDGA-007-01	106			0
P001-BBDGA-008-01	105			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: ROYF02
Lab Code: CHEM CASE No.: Q1664 SAS No.: Q1664 SDG No.: Q1664
Run Number: FF032825AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB167362BL	70			0
PB167362BS	96			0
PB167362BSD	85			0
P001-BBDGA-001-01	105			0
P001-BBDGA-001-01MS	82			0
P001-BBDGA-001-01MSD	79			0
P001-BBDGA-001-02	68			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: ROYF02
Lab Code: CHEM CASE No.: Q1664 SAS No.: Q1664 SDG No.: Q1664
Run Number: FG032825AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Fluorobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB167362BL	100	78	87	0
PB167362BS	107	92	88	0
PB167362BSD	114	98	93	0
P001-BBDGA-001-01	78	57	63	0
P001-BBDGA-001-01MS	83	61	51	0
P001-BBDGA-001-01MSD	83	60	51	0
P001-BBDGA-001-02	67	49	40	0
P001-BBDGA-002-01	99	79	46	0
P001-BBDGA-003-01	101	80	44	0
P001-BBDGA-004-01	97	83	57	0
P001-BBDGA-005-01	95	74	57	0
P001-BBDGA-006-01	105	90	64	0
P001-BBDGA-007-01	58	48	55	0
P001-BBDGA-008-01	67	56	41	0

QC LIMITS

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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: ROYF02
Lab Code: CHEM CASE No.: Q1664 SAS No.: Q1664 SDG No.: Q1664
Run Number: FG040125AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Fluorobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB167402BL	120	87	106	0
PB167402BS	97	79	87	0
PB167402TB	88	65	76	0
P001-BBDGA-001-01	86	67	84	0
P001-BBDGA-001-01MS	100	83	101	0
P001-BBDGA-001-01MSD	90	76	91	0
P001-BBDGA-001-02	87	70	86	0
P001-BBDGA-002-01	94	68	97	0
P001-BBDGA-003-01	96	65	96	0
P001-BBDGA-004-01	108	73	113	0
P001-BBDGA-005-01	108	85	114	0
P001-BBDGA-006-01	99	71	103	0
P001-BBDGA-007-01	81	66	83	0
P001-BBDGA-008-01	107	92	115	0

QC LIMITS

2-Bromonaphthalene (SURR) (40-140)
2-Fluorobiphenyl (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

WATER EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.
Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664
Sample No : Q1664-05 **Datafile:** FC068473.D
Client ID : P001-BBDGA-001-01MS

COMPOUND	SPIKE ADDED ug/l	SAMPLE CONCENTRATION ug/l	MS/MSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aliphatic C9-C12	300	10.1	296	95		(40-140)
Aliphatic C12-C16	200	32.9	300	133		(40-140)
Aliphatic C16-C21	300	13.6	338	108		(40-140)
Aliphatic C21-C28	400	0	375	94		(40-140)
Aliphatic C28-C40	600	39.1	566	88		(40-140)

WATER EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.
Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664
Sample No : Q1664-06 **Datafile:** FC068474.D
Client ID : P001-BBDGA-001-01MSD

COMPOUND	SPIKE ADDED ug/l	SAMPLE CONCENTRATION ug/l	MS/MSD CONCENTRATION ug/l	% REC	Qual	RPD QC LIMITS QC Limit Of RPD
Aliphatic C9-C12	300	10.1	302	97		2.08 (40-140) 25
Aliphatic C12-C16	200	32.9	304	135		1.49 (40-140) 25
Aliphatic C16-C21	300	13.6	342	109		0.92 (40-140) 25
Aliphatic C21-C28	400	0	379	95		1.06 (40-140) 25
Aliphatic C28-C40	600	39.1	572	89		1.13 (40-140) 25

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.
Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664
Sample No : Q1664-02 **Datafile:** FF015748.D
Client ID : P001-BBDGA-001-01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10.9	0.31	8.06	71		(40-140)
Aliphatic C12-C16	7.3	1.81	9.73	109		(40-140)
Aliphatic C16-C21	10.9	0.71	10.8	93		(40-140)
Aliphatic C21-C28	14.5	0.90	13.4	86		(40-140)
Aliphatic C28-C40	21.8	2.79	21.9	88		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.
Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664
Sample No : Q1664-03 **Datafile:** FF015749.D
Client ID : P001-BBDGA-001-01MSD

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	10.9	0.31	8.11	72		0.56 (40-140) 25
Aliphatic C12-C16	7.3	1.81	9.80	110		0.91 (40-140) 25
Aliphatic C16-C21	10.9	0.71	10.9	94		0.97 (40-140) 25
Aliphatic C21-C28	14.5	0.90	13.5	87		0.69 (40-140) 25
Aliphatic C28-C40	21.8	2.79	22.1	89		0.91 (40-140) 25

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.
Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664
Sample No : Q1664-02 **Datafile:** FG015578.D
Client ID : P001-BBDGA-001-01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	7.3	0.59	3.87	45		(40-140)
Aromatic C12-C16	10.9	0.82	7.41	61		(40-140)
Aromatic C16-C21	18.1	2.83	16.7	76		(40-140)
Aromatic C21-C36	29.0	1.41	25.8	84		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.
Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664
Sample No : Q1664-03 **Datafile:** FG015579.D
Client ID : P001-BBDGA-001-01MSD

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	7.3	0.59	3.89	46		0.44 (40-140) 25
Aromatic C12-C16	10.9	0.82	7.43	61		0.16 (40-140) 25
Aromatic C16-C21	18.1	2.83	16.7	76		0 (40-140) 25
Aromatic C21-C36	29.0	1.41	25.9	84		0.36 (40-140) 25

WATER EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.
Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664
Sample No : Q1664-05 **Datafile:** FG015599.D
Client ID : P001-BBDGA-001-01MS

COMPOUND	SPIKE ADDED ug/l	SAMPLE CONCENTRATION ug/l	MS/MSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aromatic C10-C12	200	15.9	208	96		(40-140)
Aromatic C12-C16	300	65.6	346	94		(40-140)
Aromatic C16-C21	500	67.4	729	132		(40-140)
Aromatic C21-C36	800	0	948	118		(40-140)

WATER EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.
Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664
Sample No : Q1664-06 **Datafile:** FG015600.D
Client ID : P001-BBDGA-001-01MSD

COMPOUND	SPIKE ADDED ug/l	SAMPLE CONCENTRATION ug/l	MS/MSD CONCENTRATION ug/l	% REC	Qual	RPD QC LIMITS QC Limit Of RPD
Aromatic C10-C12	200	15.9	187	86		11.6 (40-140) 25
Aromatic C12-C16	300	65.6	311	82		13.3 (40-140) 25
Aromatic C16-C21	500	67.4	559	98		29.3 * (40-140) 25
Aromatic C21-C36	800	0	876	109		7.93 (40-140) 25

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.
Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664
Sample No : PB167402BS **Datafile:** FC068470.D
Client ID : PB167402BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aliphatic C9-C12	300	223	74		(40-140)
Aliphatic C12-C16	200	214	107		(40-140)
Aliphatic C16-C21	300	338	112		(40-140)
Aliphatic C21-C28	400	426	106		(40-140)
Aliphatic C28-C40	600	659	109		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.
Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664
Sample No : PB167362BS **Datafile:** FF015744.D
Client ID : PB167362BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	6.06	61		(40-140)
Aliphatic C12-C16	6.7	5.22	78		(40-140)
Aliphatic C16-C21	10	9.50	95		(40-140)
Aliphatic C21-C28	13.3	9.91	74		(40-140)
Aliphatic C28-C40	20.0	25.2	126		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.
Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664
Sample No : PB167362BSD **Datafile:** FF015745.D
Client ID : PB167362BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	5.02	50		18.9 (40-140)	50
Aliphatic C12-C16	6.7	4.35	65		18.2 (40-140)	50
Aliphatic C16-C21	10	7.93	79		18.1 (40-140)	50
Aliphatic C21-C28	13.3	10.9	82		9.5 (40-140)	50
Aliphatic C28-C40	20.0	17.5	88		36 (40-140)	50

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.
Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664
Sample No : PB167362BS **Datafile:** FG015574.D
Client ID : PB167362BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	4.21	63		(40-140)
Aromatic C12-C16	10	7.38	74		(40-140)
Aromatic C16-C21	16.7	14.0	84		(40-140)
Aromatic C21-C36	26.6	24.4	92		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.
Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664
Sample No : PB167362BSD **Datafile:** FG015575.D
Client ID : PB167362BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	4.49	67		6.4 (40-140)	50
Aromatic C12-C16	10	7.88	79		6.5 (40-140)	50
Aromatic C16-C21	16.7	15.0	90		6.8 (40-140)	50
Aromatic C21-C36	26.6	26.1	98		6.7 (40-140)	50

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Weston Solutions, Inc.
Lab Code: CHEM **Cas No:** Q1664 **SAS No :** Q1664 **SDG No:** Q1664
Sample No : PB167402BS **Datafile:** FG015596.D
Client ID : PB167402BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aromatic C10-C12	200	161	80		(40-140)
Aromatic C12-C16	300	319	106		(40-140)
Aromatic C16-C21	500	582	116		(40-140)
Aromatic C21-C36	800	935	116		(40-140)

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167362BL

Lab Name: CHEMTECH

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664

SAS No.: Q1664 SDG NO.: Q1664

Instrument ID: FID_C

Lab Sample ID: PB167362BL

Matrix: (soil/water) Solid

Date Extracted: 3/28/2025 8:10:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB167362BS	PB167362BS
PB167362BSD	PB167362BSD
P001-BBDGA-001-01	Q1664-01
P001-BBDGA-001-01MS	Q1664-02
P001-BBDGA-001-01MSD	Q1664-03
P001-BBDGA-001-02	Q1664-07
P001-BBDGA-002-01	Q1664-09
P001-BBDGA-003-01	Q1664-11
P001-BBDGA-004-01	Q1664-13
P001-BBDGA-005-01	Q1664-15
P001-BBDGA-006-01	Q1664-17
P001-BBDGA-007-01	Q1664-19
P001-BBDGA-008-01	Q1664-21

COMMENTS: _____

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167402BL

Lab Name: CHEMTECH

Contract: ROYF02

Lab Code: CHEM Case No.: Q1664

SAS No.: Q1664 SDG NO.: Q1664

Instrument ID: FID_C

Lab Sample ID: PB167402BL

Matrix: (soil/water) Water

Date Extracted: 4/1/2025 8:13:00 AM

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB167402BS	PB167402BS
P001-BBDGA-001-01	Q1664-04
P001-BBDGA-001-01MS	Q1664-05
P001-BBDGA-001-01MSD	Q1664-06
P001-BBDGA-004-01	Q1664-14
P001-BBDGA-003-01	Q1664-12
P001-BBDGA-002-01	Q1664-10
P001-BBDGA-001-02	Q1664-08
P001-BBDGA-008-01	Q1664-22
P001-BBDGA-007-01	Q1664-20
P001-BBDGA-006-01	Q1664-18
P001-BBDGA-005-01	Q1664-16

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167362BL		SDG No.:	Q1664	
Lab Sample ID:	PB167362BL		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
03/28/25 08:10	03/28/25 16:30	PB167362

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	1	0.14	1.00	mg/kg	FF015743.D
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	1	0.11	0.67	mg/kg	FF015743.D
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	1	0.13	1.00	mg/kg	FF015743.D
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	1	0.53	1.33	mg/kg	FF015743.D
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FF015743.D
Aromatic C10-C12	Aromatic C10-C12	0.12	U	1	0.12	0.67	mg/kg	FG015573.D
Aromatic C12-C16	Aromatic C12-C16	0.23	U	1	0.23	1.00	mg/kg	FG015573.D
Aromatic C16-C21	Aromatic C16-C21	0.40	U	1	0.40	1.67	mg/kg	FG015573.D
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1	1.19	2.66	mg/kg	FG015573.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	1.94	U		1.94	6.00	mg/kg	
Total EPH	Total EPH	4.03	U		4.03	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:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167362BL		SDG No.:	Q1664	
Lab Sample ID:	PB167362BL		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
FF015743.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.8		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167362BL	Acq On:	28 Mar 2025 16:30
Client Sample ID:	PB167362BL	Operator:	YP\AJ
Data file:	FF015743.D	Misc:	
Instrument:	FID_F	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.833	0	0	300	ug/ml
Aliphatic C12-C16	6.834	10.268	0	0	200	ug/ml
Aliphatic C16-C21	10.269	13.634	0	0	300	ug/ml
Aliphatic C21-C28	13.635	17.200	0	0	400	ug/ml
Aliphatic C28-C40	17.201	22.202	0	0	600	ug/ml
Aliphatic EPH	3.211	22.202	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.373	13.373	3946197	34.77		ug/ml
Aliphatic C9-C28	3.211	17.200	0	0	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167362BL		SDG No.:	Q1664	
Lab Sample ID:	PB167362BL		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
FG015573.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.12	U	0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.23	U	0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.40	U	0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.1		40 - 140	100%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	38.8		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.3		40 - 140	87%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167362BL	Acq On:	28 Mar 2025 16:30
Client Sample ID:	PB167362BL	Operator:	YP\AJ
Data file:	FG015573.D	Misc:	
Instrument:	FID_G	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	0	0	200	ug/ml
Aromatic C12-C16	6.330	9.039	0	0	300	ug/ml
Aromatic C16-C21	9.040	13.371	0	0	500	ug/ml
Aromatic C21-C36	13.372	18.837	0	0	800	ug/ml
Aromatic EPH	4.449	18.837	0	0		ug/ml
2-Bromonaphthalene (SURR)	7.964	7.964	6120185	50.1		ug/ml
2-Fluorobiphenyl (SURR)	8.841	8.841	3208913	38.82		ug/ml
ortho-Terphenyl (SURR)	11.916	11.916	6311150	43.28		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167402BL		SDG No.:	Q1664	
Lab Sample ID:	PB167402BL		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015595.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	2.07	U	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	4.26	U	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	8.27	U	8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	60.1		40 - 140	120%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	43.6		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	52.8		40 - 140	106%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167402BL	Acq On:	01 Apr 2025 16:02
Client Sample ID:	PB167402BL	Operator:	YP\AJ
Data file:	FG015595.D	Misc:	
Instrument:	FID_G	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	0	0	200	ug/ml
Aromatic C12-C16	6.330	9.035	0	0	300	ug/ml
Aromatic C16-C21	9.036	13.365	0	0	500	ug/ml
Aromatic C21-C36	13.366	18.829	0	0	800	ug/ml
Aromatic EPH	4.450	18.829	0	0		ug/ml
2-Bromonaphthalene (SURRE)	7.959	7.959	7343964	60.12		ug/ml
2-Fluorobiphenyl (SURRE)	8.837	8.837	3607153	43.64		ug/ml
ortho-Terphenyl (SURRE)	11.913	11.913	7695775	52.77		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167402BL		SDG No.:	Q1664	
Lab Sample ID:	PB167402BL		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 16:10	PB167402

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.28	U	1	8.28	30.0	ug/l	FC068469.D
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	1	13.5	20.0	ug/l	FC068469.D
Aliphatic C16-C21	Aliphatic C16-C21	8.34	U	1	8.34	30.0	ug/l	FC068469.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068469.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC068469.D
Aromatic C10-C12	Aromatic C10-C12	2.07	U	1	2.07	20.0	ug/l	FG015595.D
Aromatic C12-C16	Aromatic C12-C16	4.26	U	1	4.26	30.0	ug/l	FG015595.D
Aromatic C16-C21	Aromatic C16-C21	8.27	U	1	8.27	50.0	ug/l	FG015595.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FG015595.D
Total AliphaticEPH	Total AliphaticEPH	66.4	U		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	38.4	U		38.4	180	ug/l	
Total EPH	Total EPH	105	U		105	360	ug/l	

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:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 905		Date Received:	
Client Sample ID:	PB167402BL		SDG No.:	Q1664
Lab Sample ID:	PB167402BL		Matrix:	Water
Analytical Method:	NJEPH		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:		uL	Test:	EPH
Prep Method :	SW3510			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068469.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.28	U	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	8.34	U	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.2		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167402BL	Acq On:	01 Apr 2025 16:10
Client Sample ID:	PB167402BL	Operator:	YP/AJ
Data file:	FC068469.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	3.097	6.359	0	0	300	ug/ml
Aliphatic C12-C16	6.360	9.742	0	0	200	ug/ml
Aliphatic C16-C21	9.743	13.096	0	0	300	ug/ml
Aliphatic C21-C28	13.097	16.749	0	0	400	ug/ml
Aliphatic C28-C40	16.750	21.544	0	0	600	ug/ml
Aliphatic EPH	3.097	21.544	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.828	12.828	4954304	33.23		ug/ml
Aliphatic C9-C28	3.097	16.749	0	0	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167362BS		SDG No.:	Q1664	
Lab Sample ID:	PB167362BS		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
03/28/25 08:10	03/28/25 16:59	PB167362

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.06		1	0.14	1.00	mg/kg	FF015744.D
Aliphatic C12-C16	Aliphatic C12-C16	5.22		1	0.11	0.67	mg/kg	FF015744.D
Aliphatic C16-C21	Aliphatic C16-C21	9.50		1	0.13	1.00	mg/kg	FF015744.D
Aliphatic C21-C28	Aliphatic C21-C28	9.91		1	0.53	1.33	mg/kg	FF015744.D
Aliphatic C28-C40	Aliphatic C28-C40	25.2		1	1.18	2.00	mg/kg	FF015744.D
Aromatic C10-C12	Aromatic C10-C12	4.21		1	0.12	0.67	mg/kg	FG015574.D
Aromatic C12-C16	Aromatic C12-C16	7.38		1	0.23	1.00	mg/kg	FG015574.D
Aromatic C16-C21	Aromatic C16-C21	14.0		1	0.40	1.67	mg/kg	FG015574.D
Aromatic C21-C36	Aromatic C21-C36	24.4		1	1.19	2.66	mg/kg	FG015574.D
Total AliphaticEPH	Total AliphaticEPH	55.9			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	50.0			1.94	6.00	mg/kg	
Total EPH	Total EPH	106			4.03	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:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167362BS		SDG No.:	Q1664	
Lab Sample ID:	PB167362BS		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
FF015744.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.06		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.22		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.50		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	9.91		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.2		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.1		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167362BS	Acq On:	28 Mar 2025 16:59
Client Sample ID:	PB167362BS	Operator:	YP\AJ
Data file:	FF015744.D	Misc:	
Instrument:	FID_F	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.833	11680408	90.922	300	ug/ml
Aliphatic C12-C16	6.834	10.268	10307398	78.315	200	ug/ml
Aliphatic C16-C21	10.269	13.634	19319468	142.711	300	ug/ml
Aliphatic C21-C28	13.635	17.200	19684480	148.811	400	ug/ml
Aliphatic C28-C40	17.201	22.202	40895025	378.143	600	ug/ml
Aliphatic EPH	3.211	22.202	101886779	838.903		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	5460984	48.12		ug/ml
Aliphatic C9-C28	3.211	17.200	60991754	460.759	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167362BS		SDG No.:	Q1664	
Lab Sample ID:	PB167362BS		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
FG015574.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.21		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.38		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.0		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	24.4		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	53.5		40 - 140	107%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	45.9		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.8		40 - 140	88%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167362BS	Acq On:	28 Mar 2025 16:59
Client Sample ID:	PB167362BS	Operator:	YP\AJ
Data file:	FG015574.D	Misc:	
Instrument:	FID_G	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	8470813	63.217	200	ug/ml
Aromatic C12-C16	6.330	9.039	15195439	110.793	300	ug/ml
Aromatic C16-C21	9.040	13.371	29383091	210.767	500	ug/ml
Aromatic C21-C36	13.372	18.837	47619199	365.756	800	ug/ml
Aromatic EPH	4.449	18.837	100668542	750.533		ug/ml
2-Bromonaphthalene (SURR)	7.965	7.965	6541026	53.55		ug/ml
2-Fluorobiphenyl (SURR)	8.843	8.843	3792185	45.88		ug/ml
ortho-Terphenyl (SURR)	11.917	11.917	6383061	43.77		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167402BS		SDG No.:	Q1664	
Lab Sample ID:	PB167402BS		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015596.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	161		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	319		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	582		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	935		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	48.4		40 - 140	97%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	39.5		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.4		40 - 140	87%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167402BS	Acq On:	01 Apr 2025 16:31
Client Sample ID:	PB167402BS	Operator:	YP\AJ
Data file:	FG015596.D	Misc:	
Instrument:	FID_G	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	10793794	80.553	200	ug/ml
Aromatic C12-C16	6.330	9.035	21879477	159.528	300	ug/ml
Aromatic C16-C21	9.036	13.365	40581099	291.091	500	ug/ml
Aromatic C21-C36	13.366	18.829	60879973	467.61	800	ug/ml
Aromatic EPH	4.450	18.829	134134343	998.782		ug/ml
2-Bromonaphthalene (SURRE)	7.960	7.960	5910150	48.38		ug/ml
2-Fluorobiphenyl (SURRE)	8.838	8.838	3265752	39.51		ug/ml
ortho-Terphenyl (SURRE)	11.912	11.912	6323005	43.36		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 905		Date Received:	
Client Sample ID:	PB167402BS		SDG No.:	Q1664
Lab Sample ID:	PB167402BS		Matrix:	Water
Analytical Method:	NJEPH		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:		uL	Test:	EPH
Prep Method :	SW3510			

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:13	04/01/25 16:46	PB167402

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	223		1	8.28	30.0	ug/l	FC068470.D
Aliphatic C12-C16	Aliphatic C12-C16	214		1	13.5	20.0	ug/l	FC068470.D
Aliphatic C16-C21	Aliphatic C16-C21	338		1	8.34	30.0	ug/l	FC068470.D
Aliphatic C21-C28	Aliphatic C21-C28	426		1	12.5	40.0	ug/l	FC068470.D
Aliphatic C28-C40	Aliphatic C28-C40	659		1	23.8	60.0	ug/l	FC068470.D
Aromatic C10-C12	Aromatic C10-C12	161		1	2.07	20.0	ug/l	FG015596.D
Aromatic C12-C16	Aromatic C12-C16	319		1	4.26	30.0	ug/l	FG015596.D
Aromatic C16-C21	Aromatic C16-C21	582		1	8.27	50.0	ug/l	FG015596.D
Aromatic C21-C36	Aromatic C21-C36	935		1	23.8	80.0	ug/l	FG015596.D
Total AliphaticEPH	Total AliphaticEPH	1860			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	2000			38.4	180	ug/l	
Total EPH	Total EPH	3860			105	360	ug/l	

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:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167402BS		SDG No.:	Q1664	
Lab Sample ID:	PB167402BS		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068470.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	223		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	214		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	338		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	426		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	659		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.0		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167402BS	Acq On:	01 Apr 2025 16:46
Client Sample ID:	PB167402BS	Operator:	YP/AJ
Data file:	FC068470.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	18170626	111.944	300	ug/ml
Aliphatic C12-C16	6.360	9.742	18046275	107.294	200	ug/ml
Aliphatic C16-C21	9.743	13.096	29019120	169.197	300	ug/ml
Aliphatic C21-C28	13.097	16.749	35975323	213.036	400	ug/ml
Aliphatic C28-C40	16.750	21.544	44911425	329.815	600	ug/ml
Aliphatic EPH	3.097	21.544	146122769	931.286		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.827	12.827	5962488	40		ug/ml
Aliphatic C9-C28	3.097	16.749	101211344	601.471	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167362BSD		SDG No.:	Q1664	
Lab Sample ID:	PB167362BSD		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
FG015575.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.49		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.88		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	15.0		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	26.1		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	57.2		40 - 140	114%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	49.1		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.7		40 - 140	93%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167362BSD	Acq On:	28 Mar 2025 17:28
Client Sample ID:	PB167362BSD	Operator:	YP\AJ
Data file:	FG015575.D	Misc:	
Instrument:	FID_G	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	9030117	67.391	200	ug/ml
Aromatic C12-C16	6.330	9.039	16214434	118.223	300	ug/ml
Aromatic C16-C21	9.040	13.371	31381736	225.103	500	ug/ml
Aromatic C21-C36	13.372	18.837	50909115	391.026	800	ug/ml
Aromatic EPH	4.449	18.837	107535402	801.742		ug/ml
2-Bromonaphthalene (SURR)	7.966	7.966	6984344	57.18		ug/ml
2-Fluorobiphenyl (SURR)	8.844	8.844	4054890	49.06		ug/ml
ortho-Terphenyl (SURR)	11.917	11.917	6803874	46.66		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167362BSD		SDG No.:	Q1664	
Lab Sample ID:	PB167362BSD		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
03/28/25 08:10	03/28/25 17:28	PB167362

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.02		1	0.14	1.00	mg/kg	FF015745.D
Aliphatic C12-C16	Aliphatic C12-C16	4.35		1	0.11	0.67	mg/kg	FF015745.D
Aliphatic C16-C21	Aliphatic C16-C21	7.93		1	0.13	1.00	mg/kg	FF015745.D
Aliphatic C21-C28	Aliphatic C21-C28	10.9		1	0.53	1.33	mg/kg	FF015745.D
Aliphatic C28-C40	Aliphatic C28-C40	17.5		1	1.18	2.00	mg/kg	FF015745.D
Aromatic C10-C12	Aromatic C10-C12	4.49		1	0.12	0.67	mg/kg	FG015575.D
Aromatic C12-C16	Aromatic C12-C16	7.88		1	0.23	1.00	mg/kg	FG015575.D
Aromatic C16-C21	Aromatic C16-C21	15.0		1	0.40	1.67	mg/kg	FG015575.D
Aromatic C21-C36	Aromatic C21-C36	26.1		1	1.19	2.66	mg/kg	FG015575.D
Total AliphaticEPH	Total AliphaticEPH	45.7			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	53.5			1.94	6.00	mg/kg	
Total EPH	Total EPH	99.2			4.03	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:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167362BSD		SDG No.:	Q1664	
Lab Sample ID:	PB167362BSD		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
FF015745.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.02		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.35		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	7.93		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.9		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167362BSD	Acq On:	28 Mar 2025 17:28
Client Sample ID:	PB167362BSD	Operator:	YP\AJ
Data file:	FF015745.D	Misc:	
Instrument:	FID_F	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.833	9678256	75.337	300	ug/ml
Aliphatic C12-C16	6.834	10.268	8594881	65.304	200	ug/ml
Aliphatic C16-C21	10.269	13.634	16106390	118.977	300	ug/ml
Aliphatic C21-C28	13.635	17.200	21589497	163.213	400	ug/ml
Aliphatic C28-C40	17.201	22.202	28418419	262.776	600	ug/ml
Aliphatic EPH	3.211	22.202	84387443	685.606		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.372	13.372	4827939	42.54		ug/ml
Aliphatic C9-C28	3.211	17.200	55969024	422.831	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	Q1664-01MS		SDG No.:	Q1664	
Lab Sample ID:	Q1664-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	91.8	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015578.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.87		0.13	0.73	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.41		0.25	1.09	mg/kg
Aromatic C16-C21	Aromatic C16-C21	16.7		0.44	1.81	mg/kg
Aromatic C21-C36	Aromatic C21-C36	25.8		1.29	2.90	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	41.7		40 - 140	83%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	30.7		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.5		40 - 140	51%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-02	Acq On:	28 Mar 2025 18:56
Client Sample ID:	Q1664-01MS	Operator:	YP\AJ
Data file:	FG015578.D	Misc:	
Instrument:	FID_G	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	7153205	53.384	200	ug/ml
Aromatic C12-C16	6.330	9.039	14017316	102.203	300	ug/ml
Aromatic C16-C21	9.040	13.371	32077089	230.091	500	ug/ml
Aromatic C21-C36	13.372	18.837	46351603	356.02	800	ug/ml
Aromatic EPH	4.449	18.837	99599213	741.698		ug/ml
2-Bromonaphthalene (SURR)	7.964	7.964	5098046	41.73		ug/ml
2-Fluorobiphenyl (SURR)	8.842	8.842	2538118	30.71		ug/ml
ortho-Terphenyl (SURR)	11.915	11.915	3718156	25.5		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	Q1664-01MS		SDG No.:	Q1664	
Lab Sample ID:	Q1664-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	91.8	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015748.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.06		0.15	1.09	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	9.73		0.12	0.73	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	10.8		0.14	1.09	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	13.4		0.58	1.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.9		1.28	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.2		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-02	Acq On:	28 Mar 2025 18:56
Client Sample ID:	Q1664-01MS	Operator:	YP\AJ
Data file:	FF015748.D	Misc:	
Instrument:	FID_F	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.833	14285227	111.199	300	ug/ml
Aliphatic C12-C16	6.834	10.268	17667612	134.238	200	ug/ml
Aliphatic C16-C21	10.269	13.634	20182654	149.088	300	ug/ml
Aliphatic C21-C28	13.635	17.200	24460596	184.918	400	ug/ml
Aliphatic C28-C40	17.201	22.202	32594679	301.392	600	ug/ml
Aliphatic EPH	3.211	22.202	109190768	880.834		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	4673126	41.18		ug/ml
Aliphatic C9-C28	3.211	17.200	76596089	579.443	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	Q1664-04MS		SDG No.:	Q1664	
Lab Sample ID:	Q1664-05		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068473.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	296		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	300		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	338		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	375		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	566		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.4		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-05	Acq On:	01 Apr 2025 18:36
Client Sample ID:	Q1664-04MS	Operator:	YP/AJ
Data file:	FC068473.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.097	6.359	24073271	148.308	300	ug/ml
Aliphatic C12-C16	6.360	9.742	25260412	150.186	200	ug/ml
Aliphatic C16-C21	9.743	13.096	29010139	169.145	300	ug/ml
Aliphatic C21-C28	13.097	16.749	31738818	187.948	400	ug/ml
Aliphatic C28-C40	16.750	21.544	38573298	283.269	600	ug/ml
Aliphatic EPH	3.097	21.544	148655938	938.857		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.828	12.828	7218327	48.42		ug/ml
Aliphatic C9-C28	3.097	16.749	110082640	655.587	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	Q1664-04MS		SDG No.:	Q1664	
Lab Sample ID:	Q1664-05		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015599.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	208		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	346		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	729		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	948		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.0		40 - 140	100%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	41.7		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.7		40 - 140	101%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-05	Acq On:	01 Apr 2025 17:58
Client Sample ID:	Q1664-04MS	Operator:	YP\AJ
Data file:	FG015599.D	Misc:	
Instrument:	FID_G	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	13989002	104.398	200	ug/ml
Aromatic C12-C16	6.330	9.035	23760404	173.242	300	ug/ml
Aromatic C16-C21	9.036	13.365	50880671	364.97	500	ug/ml
Aromatic C21-C36	13.366	18.829	61773336	474.472	800	ug/ml
Aromatic EPH	4.450	18.829	150403413	1120		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	7392503	50.69		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	6103825	49.97		ug/ml
2-Fluorobiphenyl (SURR)	8.839	8.839	3449498	41.73		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	Q1664-01MSD		SDG No.:	Q1664	
Lab Sample ID:	Q1664-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	91.8	
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
FF015749.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.11		0.15	1.09	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	9.80		0.12	0.73	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	10.9		0.14	1.09	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	13.5		0.58	1.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.1		1.28	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.4		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-03	Acq On:	28 Mar 2025 19:25
Client Sample ID:	Q1664-01MSD	Operator:	YP\AJ
Data file:	FF015749.D	Misc:	
Instrument:	FID_F	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.833	14362937	111.804	300	ug/ml
Aliphatic C12-C16	6.834	10.268	17786342	135.14	200	ug/ml
Aliphatic C16-C21	10.269	13.634	20376668	150.521	300	ug/ml
Aliphatic C21-C28	13.635	17.200	24558755	185.66	400	ug/ml
Aliphatic C28-C40	17.201	22.202	32927644	304.471	600	ug/ml
Aliphatic EPH	3.211	22.202	110012346	887.595		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	4468306	39.37		ug/ml
Aliphatic C9-C28	3.211	17.200	77084702	583.125	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	Q1664-01MSD		SDG No.:	Q1664	
Lab Sample ID:	Q1664-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	91.8	
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
FG015579.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.89		0.13	0.73	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.43		0.25	1.09	mg/kg
Aromatic C16-C21	Aromatic C16-C21	16.7		0.44	1.81	mg/kg
Aromatic C21-C36	Aromatic C21-C36	25.9		1.30	2.90	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	41.5		40 - 140	83%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	29.8		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.4		40 - 140	51%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-03	Acq On:	28 Mar 2025 19:25
Client Sample ID:	Q1664-01MSD	Operator:	YP\AJ
Data file:	FG015579.D	Misc:	
Instrument:	FID_G	ALS Vial:	77
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.449	6.329	7179649	53.581	200	ug/ml
Aromatic C12-C16	6.330	9.039	14046333	102.415	300	ug/ml
Aromatic C16-C21	9.040	13.371	32023431	229.706	500	ug/ml
Aromatic C21-C36	13.372	18.837	46498168	357.146	800	ug/ml
Aromatic EPH	4.449	18.837	99747581	742.847		ug/ml
2-Bromonaphthalene (SURRE)	7.964	7.964	5075694	41.55		ug/ml
2-Fluorobiphenyl (SURRE)	8.841	8.841	2466895	29.84		ug/ml
ortho-Terphenyl (SURRE)	11.914	11.914	3709832	25.44		ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	Q1664-04MSD		SDG No.:	Q1664	
Lab Sample ID:	Q1664-06		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068474.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	302		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	304		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	342		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	379		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	572		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	50.1		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1664-06	Acq On:	01 Apr 2025 19:14
Client Sample ID:	Q1664-04MSD	Operator:	YP/AJ
Data file:	FC068474.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	3.097	6.359	24554366	151.272	300	ug/ml
Aliphatic C12-C16	6.360	9.742	25610092	152.265	200	ug/ml
Aliphatic C16-C21	9.743	13.096	29394196	171.384	300	ug/ml
Aliphatic C21-C28	13.097	16.749	32021652	189.623	400	ug/ml
Aliphatic C28-C40	16.750	21.544	38956299	286.082	600	ug/ml
Aliphatic EPH	3.097	21.544	150536605	950.627		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.828	12.828	7468627	50.1		ug/ml
Aliphatic C9-C28	3.097	16.749	111580306	664.544	1200	ug/ml

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	03/26/25	
Project:	RFP 905		Date Received:	03/27/25	
Client Sample ID:	Q1664-04MSD		SDG No.:	Q1664	
Lab Sample ID:	Q1664-06		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015600.D	1	04/01/25	04/01/25	PB167402

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	187		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	311		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	559		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	876		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	44.8		40 - 140	90%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	37.9		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.6		40 - 140	91%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1664-06	Acq On:	01 Apr 2025 18:28
Client Sample ID:	Q1664-04MSD	Operator:	YP\AJ
Data file:	FG015600.D	Misc:	
Instrument:	FID_G	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.450	6.329	12544178	93.616	200	ug/ml
Aromatic C12-C16	6.330	9.035	21385650	155.927	300	ug/ml
Aromatic C16-C21	9.036	13.365	38992447	279.695	500	ug/ml
Aromatic C21-C36	13.366	18.829	57073405	438.373	800	ug/ml
Aromatic EPH	4.450	18.829	129995680	967.611		ug/ml
ortho-Terphenyl (SURR)	11.912	11.912	6654637	45.63		ug/ml
2-Bromonaphthalene (SURR)	7.961	7.961	5470618	44.78		ug/ml
2-Fluorobiphenyl (SURR)	8.838	8.838	3131353	37.88		ug/ml



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC032625AL

AreaCount

Parameter Range	FC068401.D	FC068402.D	FC068403.D	FC068404.D	FC068405.D	
Aliphatic C9-C12	45086767.000	23957696.000	10109387.000	5032376.000	2480291.000	
Aliphatic C12-C16	31366027.000	16525288.000	7021727.000	3486717.000	1690088.000	
Aliphatic C16-C21	46215435.000	24301108.000	10733415.000	5433148.000	2722484.000	
Aliphatic C21-C28	57370908.000	30982953.000	13741558.000	7153138.000	3908195.000	
Aliphatic C28-C40	66709018.000	35774110.000	16746543.000	8713011.000	4969759.000	
Aliphatic EPH	246748155.000	131541155.000	58352630.000	29818390.000	15770817.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	162319.1159996	4.653				
Aliphatic C12-C16	168194.168	4.51				
Aliphatic C16-C21	171510.5906664	7.383				
Aliphatic C21-C28	168869.942	12.042				
Aliphatic C28-C40	136171.7476664	15.894				
Aliphatic EPH	157243.7616662	9.786				

Concentration

Parameter Range	FC068401.D	FC068402.D	FC068403.D	FC068404.D	FC068405.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	FC068401.D	FC068402.D	FC068403.D	FC068404.D	FC068405.D	
Aliphatic C9-C12	150289.223333	159717.973333	168489.783333	167745.866666	165352.733333	
Aliphatic C12-C16	156830.135000	165252.880000	175543.175000	174335.850000	169008.800000	
Aliphatic C16-C21	154051.450000	162007.386666	178890.250000	181104.933333	181498.933333	

Initial Calibration Report for SequenceID : FC032625AL

Aliphatic C21-C28	143427.270000	154914.765000	171769.475000	178828.450000	195409.750000	
Aliphatic C28-C40	111181.696666	119247.033333	139554.525000	145216.850000	165658.633333	
Aliphatic EPH	137082.308333	146156.838888	162090.638888	165657.722222	175231.300000	

Lab Sample ID: 100 PPM ALIPHATIC HC

Acq On: 26 Mar 2025 10:26

Client Sample ID:

Operator: YP/AJ

Data file: FC068401.D

Misc:

Instrument: FID_C

ALS Vial: 11

Dilution Factor: 1

Sample Multiplier: 1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.099	6.361	45086767.000	300.000	ug/ml
Aliphatic C12-C16	6.362	9.744	31366027.000	200.000	ug/ml
Aliphatic C16-C21	9.745	13.097	46215435.000	300.000	ug/ml
Aliphatic C21-C28	13.098	16.748	57370908.000	400.000	ug/ml
Aliphatic C28-C40	16.749	21.545	66709018.000	600.000	ug/ml
Aliphatic EPH	3.099		246748155.000	1800.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
 Data File : FC068401.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 10:26
 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: Mar 26 13:11:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 26 13:10:46 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.397	18022152	87.143 ug/ml
Spiked Amount 50.000		Recovery =	174.29%
12) S 1-chlorooctadecane (S...	12.835	13391425	85.929 ug/ml
Spiked Amount 50.000		Recovery =	171.86%
Target Compounds			
1) T n-Nonane (C9)	3.203	14755216	88.977 ug/ml
2) T n-Decane (C10)	4.260	15026852	89.124 ug/ml
3) T A~Naphthalene (C11.7)	5.825	16689744	90.339 ug/ml
4) T n-Dodecane (C12)	6.267	15304699	89.485 ug/ml
5) T A~2-methylnaphthalene...	6.878	16293302	91.366 ug/ml
6) T n-Tetradecane (C14)	8.055	15405712	89.847 ug/ml
7) T n-Hexadecane (C16)	9.651	15960315	88.855 ug/ml
8) T n-Octadecane (C18)	11.091	16014633	87.298 ug/ml
10) T n-Eicosane (C20)	12.395	15259809	85.614 ug/ml
11) T n-Heneicosane (C21)	13.006	14940993	85.386 ug/ml
13) T n-Docosane (C22)	13.591	14810036	84.833 ug/ml
14) T n-Tetracosane (C24)	14.691	14604400	83.903 ug/ml
15) T n-Hexacosane (C26)	15.709	14222474	83.552 ug/ml
16) T n-Octacosane (C28)	16.657	13733998	81.646 ug/ml
17) T n-Tricontane (C30)	17.545	13722934	78.333 ug/ml
18) T n-Dotriacontane (C32)	18.374	12956119	76.432 ug/ml
19) T n-Tetratriacontane (C34)	19.156	11776981	77.993 ug/ml
20) T n-Hexatriacontane (C36)	19.893	10216728	80.554 ug/ml
21) T n-Octatriacontane (C38)	20.603	9266089	82.732 ug/ml
22) T n-Tetracontane (C40)	21.453	8770167	85.317 ug/ml

(f)=RT Delta > 1/2 Window

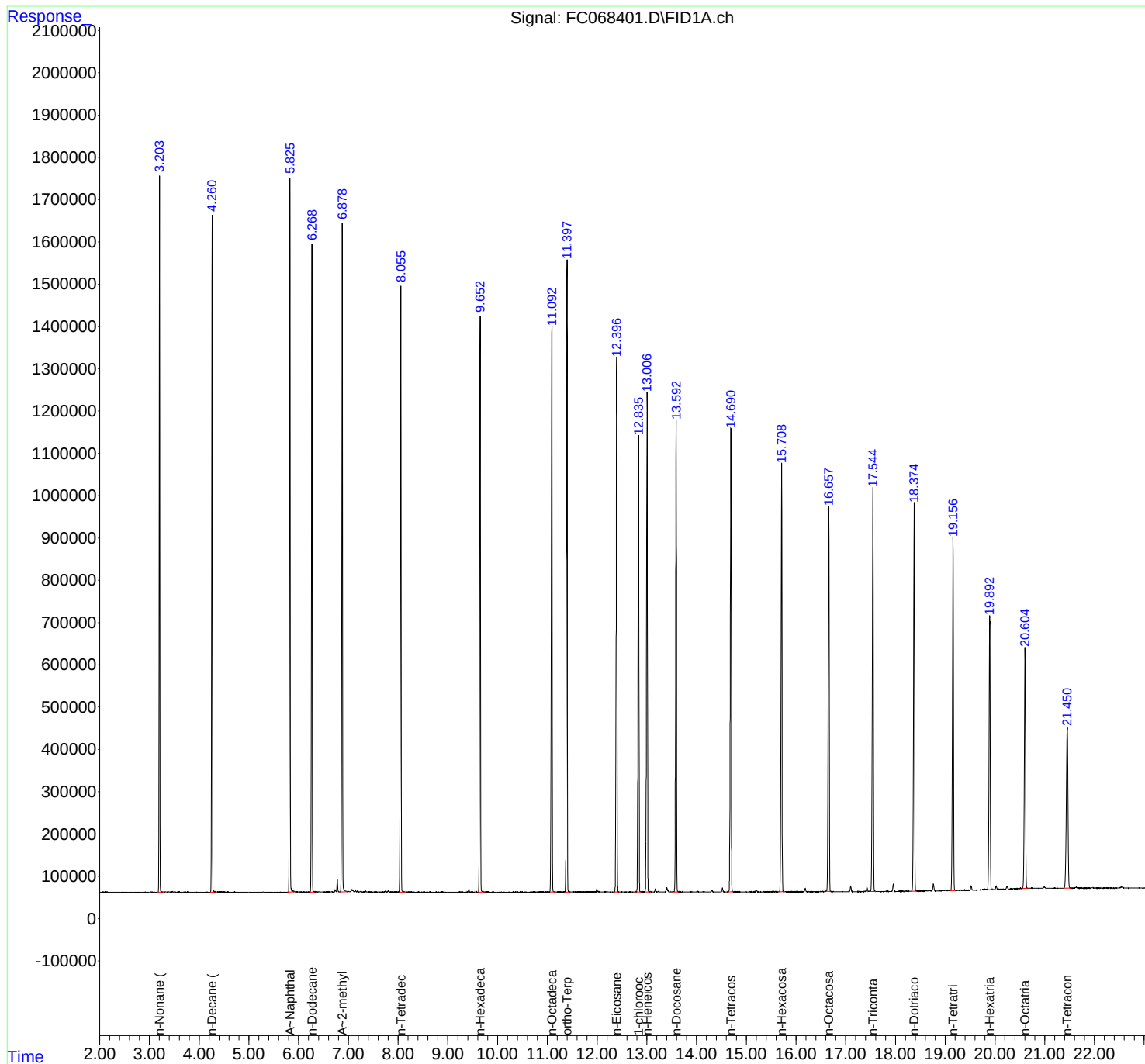
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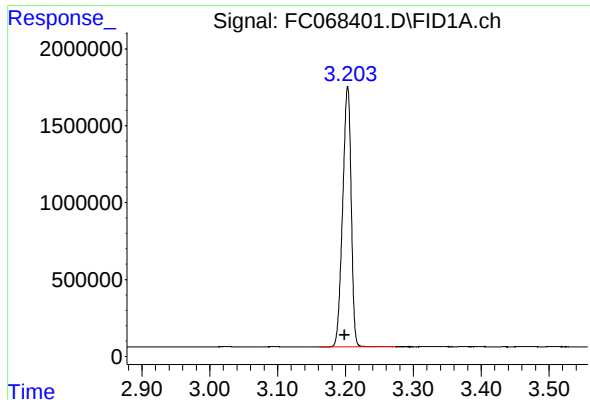
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068401.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 10:26
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Mar 26 13:11:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

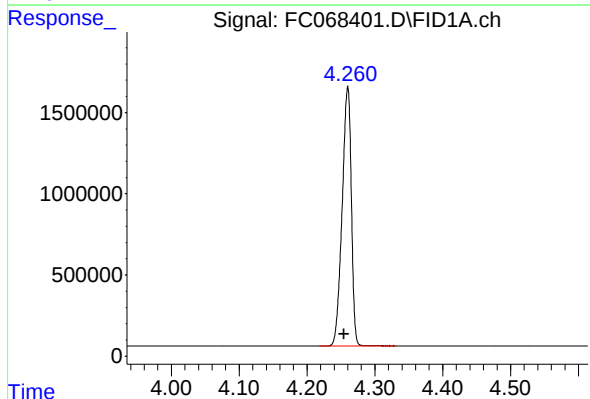




#1 n-Nonane (C9)

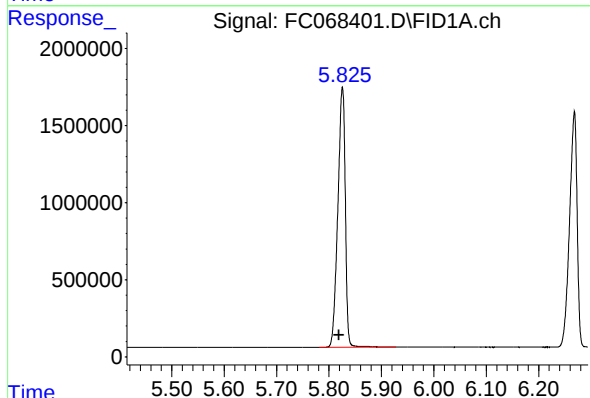
R.T.: 3.203 min
Delta R.T.: 0.004 min
Response: 14755216
Conc: 88.98 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



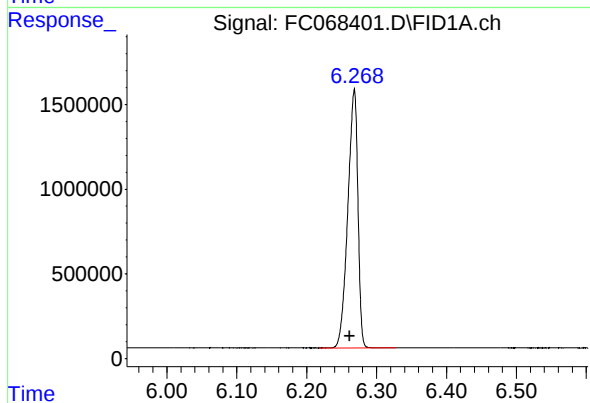
#2 n-Decane (C10)

R.T.: 4.260 min
Delta R.T.: 0.005 min
Response: 15026852
Conc: 89.12 ug/ml



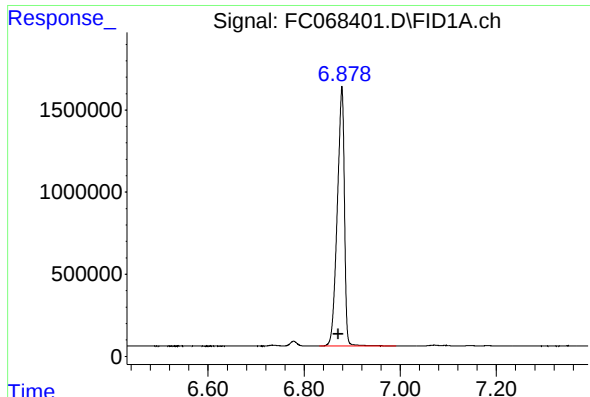
#3 A~Naphthalene (C11.7)

R.T.: 5.825 min
Delta R.T.: 0.006 min
Response: 16689744
Conc: 90.34 ug/ml



#4 n-Dodecane (C12)

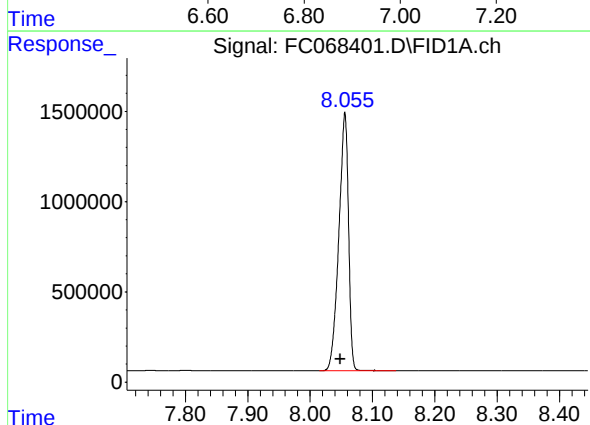
R.T.: 6.267 min
Delta R.T.: 0.006 min
Response: 15304699
Conc: 89.49 ug/ml



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

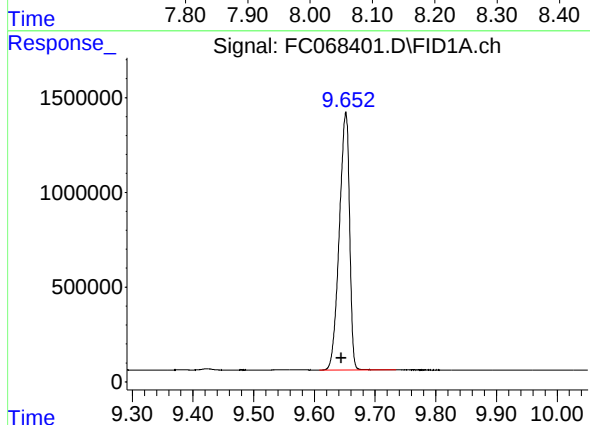
R.T.: 6.878 min
Delta R.T.: 0.007 min
Response: 16293302
Conc: 91.37 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



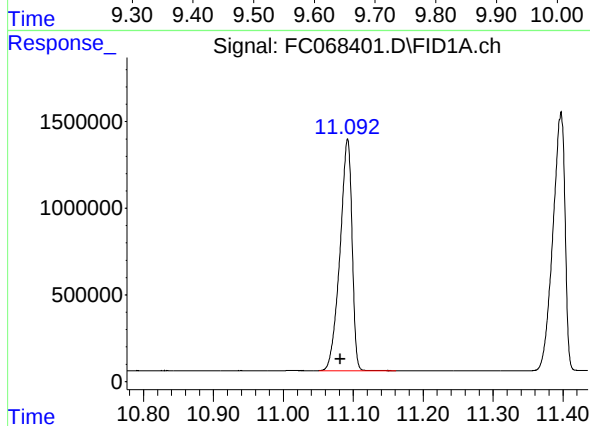
#6 n-Tetradecane (C14)

R.T.: 8.055 min
Delta R.T.: 0.007 min
Response: 15405712
Conc: 89.85 ug/ml



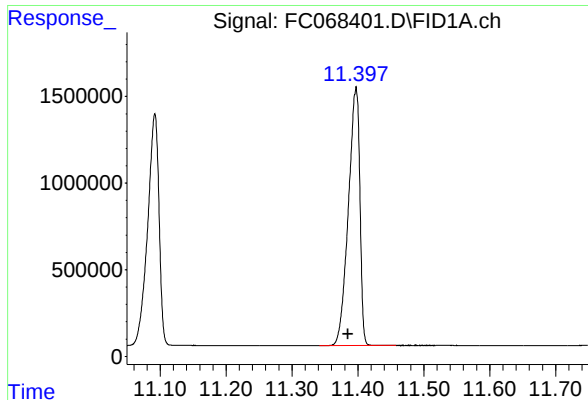
#7 n-Hexadecane (C16)

R.T.: 9.651 min
Delta R.T.: 0.007 min
Response: 15960315
Conc: 88.86 ug/ml



#8 n-Octadecane (C18)

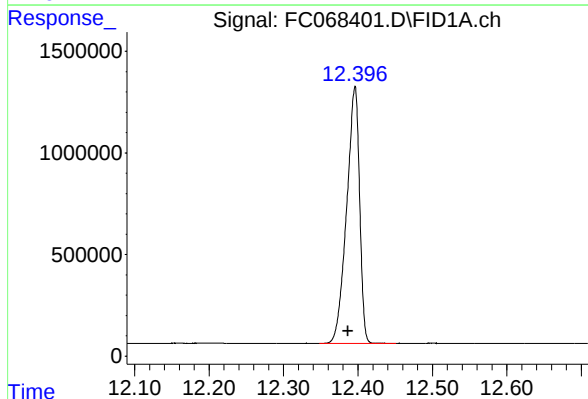
R.T.: 11.091 min
Delta R.T.: 0.010 min
Response: 16014633
Conc: 87.30 ug/ml



#9 ortho-Terphenyl (SURR)

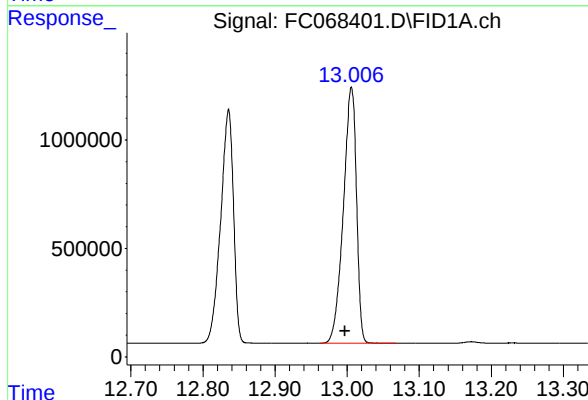
R.T.: 11.397 min
Delta R.T.: 0.012 min
Response: 18022152
Conc: 87.14 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



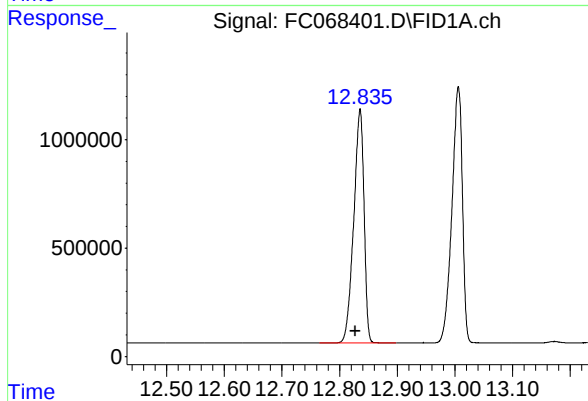
#10 n-Eicosane (C20)

R.T.: 12.395 min
Delta R.T.: 0.009 min
Response: 15259809
Conc: 85.61 ug/ml



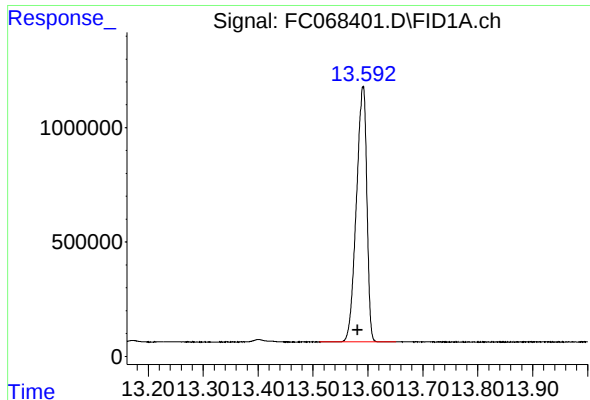
#11 n-Heneicosane (C21)

R.T.: 13.006 min
Delta R.T.: 0.009 min
Response: 14940993
Conc: 85.39 ug/ml



#12 1-chlorooctadecane (SURR)

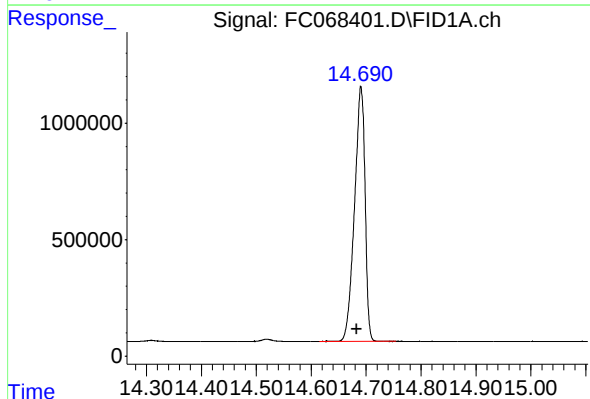
R.T.: 12.835 min
Delta R.T.: 0.008 min
Response: 13391425
Conc: 85.93 ug/ml



#13 n-Docosane (C22)

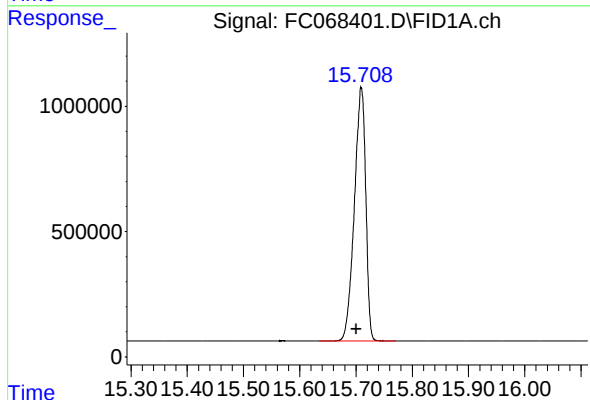
R.T.: 13.591 min
Delta R.T.: 0.009 min
Response: 14810036
Conc: 84.83 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



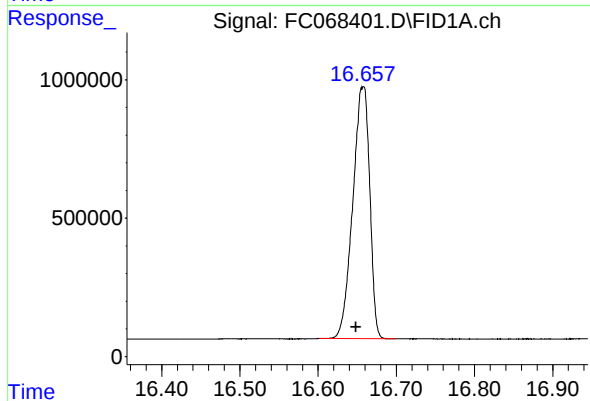
#14 n-Tetracosane (C24)

R.T.: 14.691 min
Delta R.T.: 0.008 min
Response: 14604400
Conc: 83.90 ug/ml



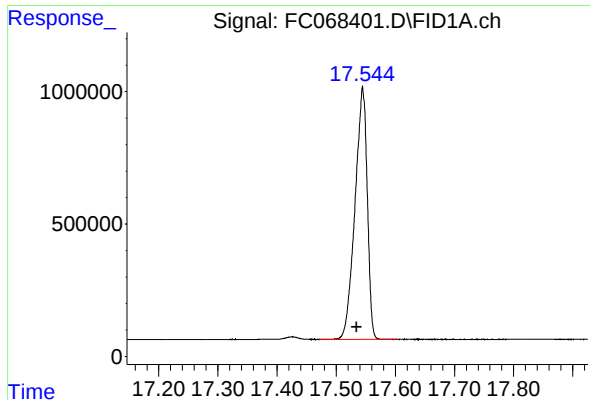
#15 n-Hexacosane (C26)

R.T.: 15.709 min
Delta R.T.: 0.009 min
Response: 14222474
Conc: 83.55 ug/ml



#16 n-Octacosane (C28)

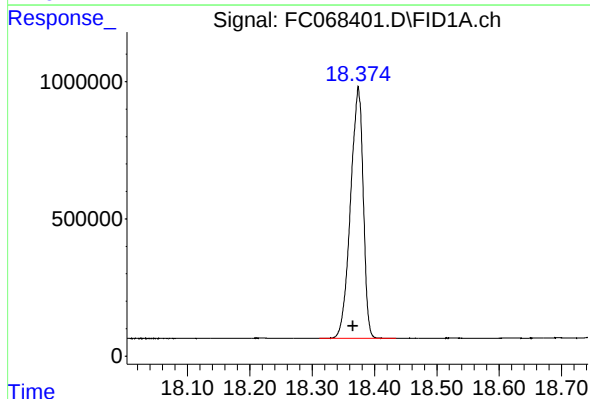
R.T.: 16.657 min
Delta R.T.: 0.009 min
Response: 13733998
Conc: 81.65 ug/ml



#17 n-Tricontane (C30)

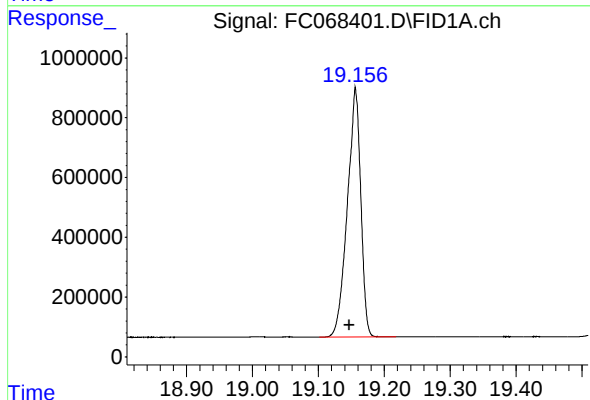
R.T.: 17.545 min
Delta R.T.: 0.010 min
Response: 13722934
Conc: 78.33 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



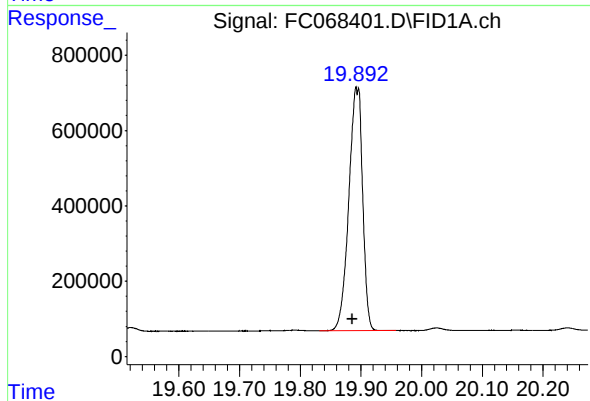
#18 n-Dotriacontane (C32)

R.T.: 18.374 min
Delta R.T.: 0.008 min
Response: 12956119
Conc: 76.43 ug/ml



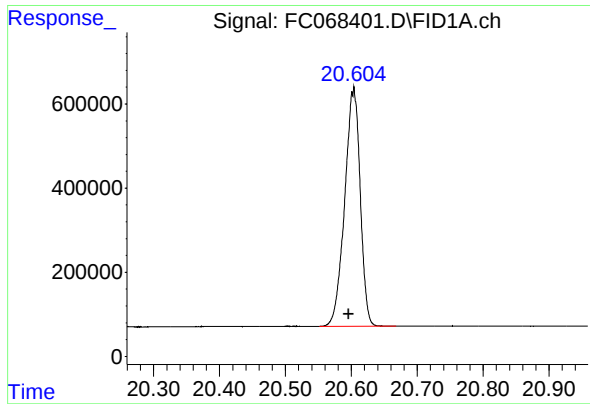
#19 n-Tetratriacontane (C34)

R.T.: 19.156 min
Delta R.T.: 0.009 min
Response: 11776981
Conc: 77.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.893 min
Delta R.T.: 0.008 min
Response: 10216728
Conc: 80.55 ug/ml



#21 n-Octatriacontane (C38)

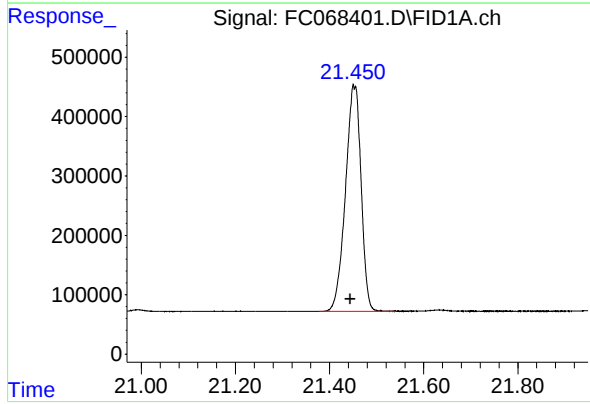
R.T.: 20.603 min
Delta R.T.: 0.008 min
Response: 9266089
Conc: 82.73 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.453 min
Delta R.T.: 0.008 min
Response: 8770167
Conc: 85.32 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068401.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 10:26
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 032625.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	3.203	3.161	3.274	BB	1719447	14755216	81.87%	4.742%
2	4.260	4.218	4.331	BB	1625059	15026852	83.38%	4.830%
3	5.825	5.781	5.928	BB	1681263	16689744	92.61%	5.364%
4	6.267	6.218	6.328	BB	1530304	15304699	84.92%	4.919%
5	6.878	6.831	6.991	BB	1564426	16293302	90.41%	5.237%
6	8.055	8.014	8.138	BB	1408500	15405712	85.48%	4.951%
7	9.651	9.608	9.734	BB	1357579	15960315	88.56%	5.130%
8	11.091	11.051	11.161	BB	1333868	16014633	88.86%	5.147%
9	11.397	11.341	11.458	BB	1500552	18022152	100.00%	5.792%
10	12.395	12.348	12.451	BB	1252392	15259809	84.67%	4.904%
11	12.835	12.764	12.898	BB	1068260	13391425	74.31%	4.304%
12	13.006	12.961	13.068	BB	1179776	14940993	82.90%	4.802%
13	13.591	13.511	13.651	BB	1126355	14810036	82.18%	4.760%
14	14.691	14.614	14.754	BB	1095361	14604400	81.04%	4.694%
15	15.709	15.634	15.771	BB	1007727	14222474	78.92%	4.571%
16	16.657	16.601	16.699	BBA	911782	13733998	76.21%	4.414%
17	17.545	17.471	17.601	BB	951533	13722934	76.14%	4.410%
18	18.374	18.311	18.434	BB	915155	12956119	71.89%	4.164%
19	19.156	19.101	19.218	BB	825897	11776981	65.35%	3.785%
20	19.893	19.831	19.958	BB	636073	10216728	56.69%	3.284%
21	20.603	20.551	20.668	BB	561524	9266089	51.41%	2.978%
22	21.453	21.378	21.541	BB	380222	8770167	48.66%	2.819%
Sum of corrected areas:						311144777		

Aliphatic EPH 032625.M Wed Mar 26 15:20:51 2025

Lab Sample ID:	50 PPM ALIPHATIC HC 9	Acq On:	26 Mar 2025 11:05
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068402.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.099	6.361	23957696.000	150.000	ug/ml
Aliphatic C12-C16	6.362	9.744	16525288.000	100.000	ug/ml
Aliphatic C16-C21	9.745	13.097	24301108.000	150.000	ug/ml
Aliphatic C21-C28	13.098	16.748	30982953.000	200.000	ug/ml
Aliphatic C28-C40	16.749	21.545	35774110.000	300.000	ug/ml
Aliphatic EPH	3.099		131541155.000	900.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
 Data File : FC068402.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 11:05
 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: Mar 26 13:12:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 26 13:10:46 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.390	9464670	45.765 ug/ml
Spiked Amount 50.000		Recovery =	91.53%
12) S 1-chlorooctadecane (S...	12.830	7002346	44.932 ug/ml
Spiked Amount 50.000		Recovery =	89.86%
Target Compounds			
1) T n-Nonane (C9)	3.202	7855746	47.372 ug/ml
2) T n-Decane (C10)	4.257	7995500	47.421 ug/ml
3) T A~Naphthalene (C11.7)	5.821	8815730	47.718 ug/ml
4) T n-Dodecane (C12)	6.263	8106450	47.398 ug/ml
5) T A~2-methylnaphthalene...	6.873	8570514	48.060 ug/ml
6) T n-Tetradecane (C14)	8.050	8121733	47.367 ug/ml
7) T n-Hexadecane (C16)	9.646	8403555	46.785 ug/ml
8) T n-Octadecane (C18)	11.085	8427177	45.938 ug/ml
10) T n-Eicosane (C20)	12.389	8040363	45.110 ug/ml
11) T n-Heneicosane (C21)	13.000	7833568	44.768 ug/ml
13) T n-Docosane (C22)	13.585	7826241	44.829 ug/ml
14) T n-Tetracosane (C24)	14.685	7903096	45.404 ug/ml
15) T n-Hexacosane (C26)	15.704	7744438	45.496 ug/ml
16) T n-Octacosane (C28)	16.652	7509178	44.641 ug/ml
17) T n-Tricontane (C30)	17.537	7529162	42.978 ug/ml
18) T n-Dotriacontane (C32)	18.368	7082773	41.783 ug/ml
19) T n-Tetratriacontane (C34)	19.151	6355847	42.092 ug/ml
20) T n-Hexatriacontane (C36)	19.888	5418030	42.719 ug/ml
21) T n-Octatriacontane (C38)	20.599	4849344	43.297 ug/ml
22) T n-Tetracontane (C40)	21.447	4538954	44.155 ug/ml

(f)=RT Delta > 1/2 Window

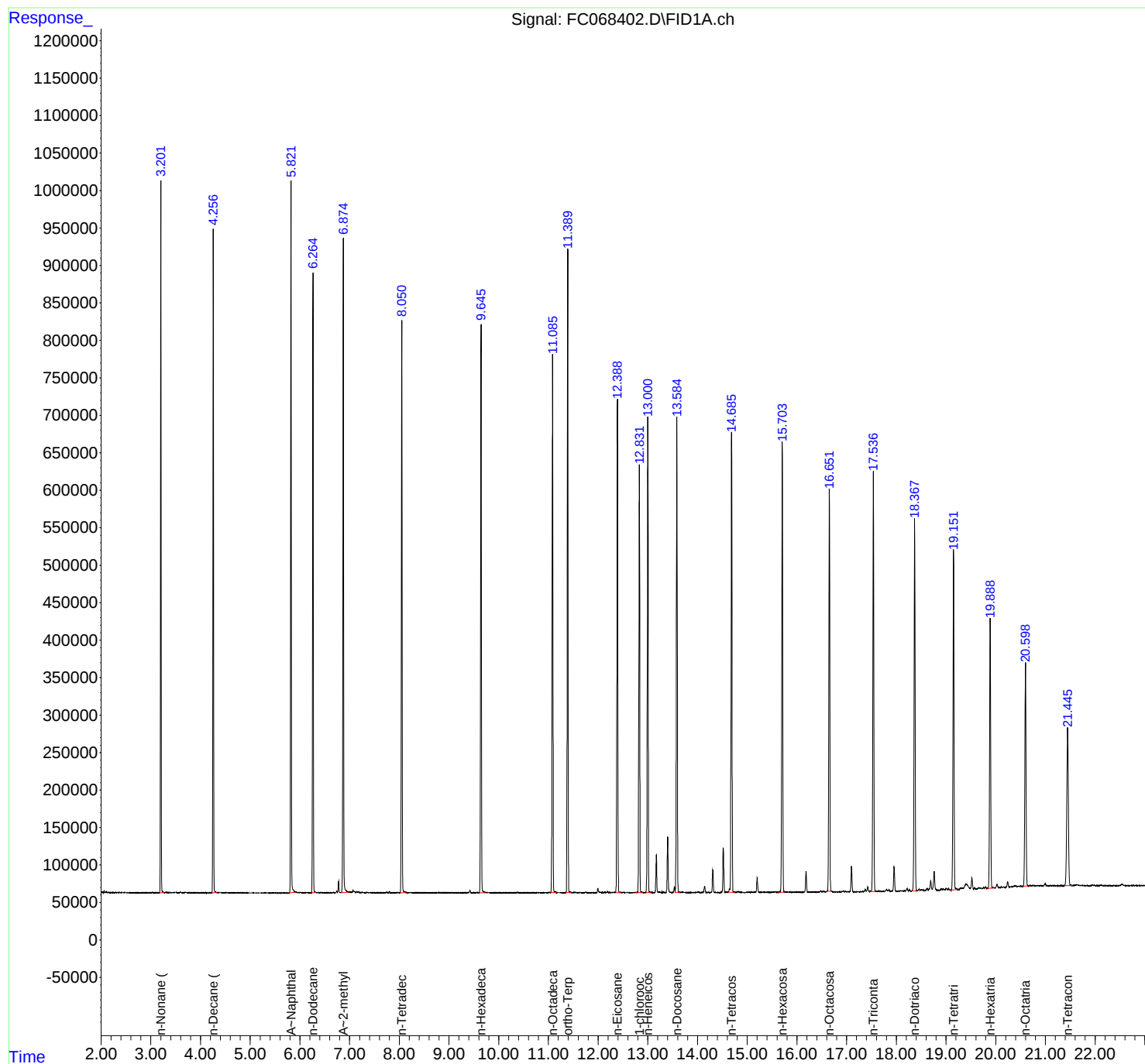
(m)=manual int.

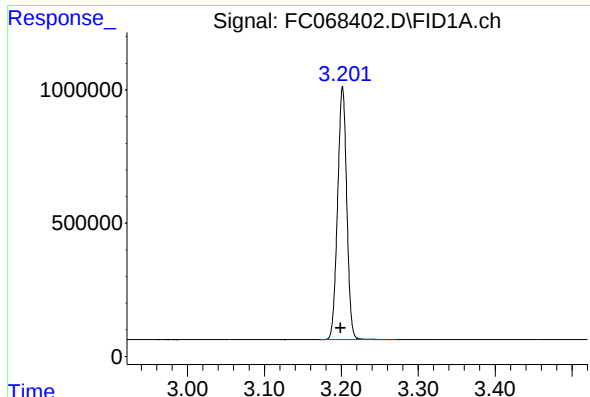
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068402.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 11:05
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Mar 26 13:12:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

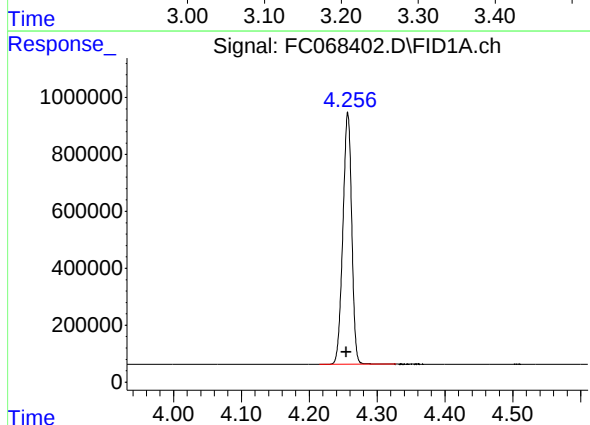




#1 n-Nonane (C9)

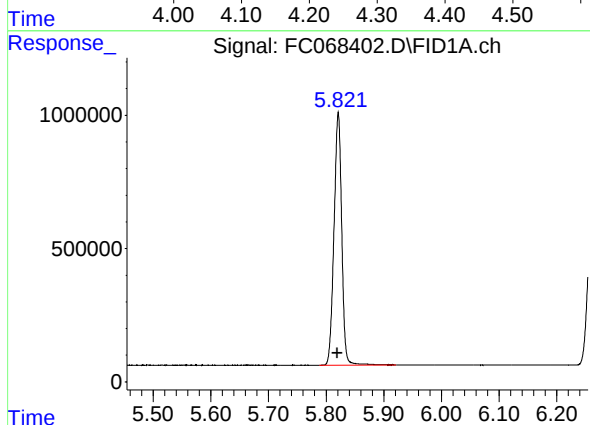
R.T.: 3.202 min
Delta R.T.: 0.003 min
Response: 7855746
Conc: 47.37 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



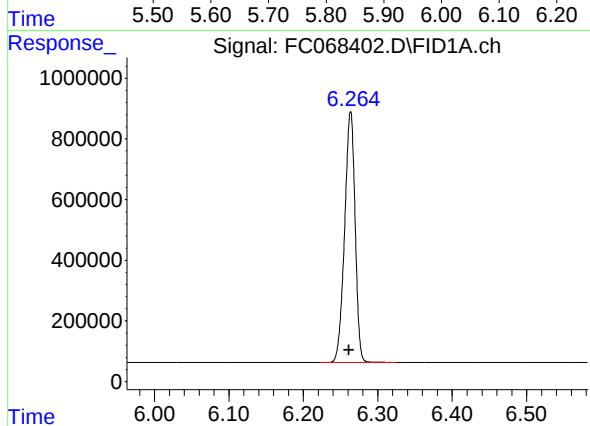
#2 n-Decane (C10)

R.T.: 4.257 min
Delta R.T.: 0.002 min
Response: 7995500
Conc: 47.42 ug/ml



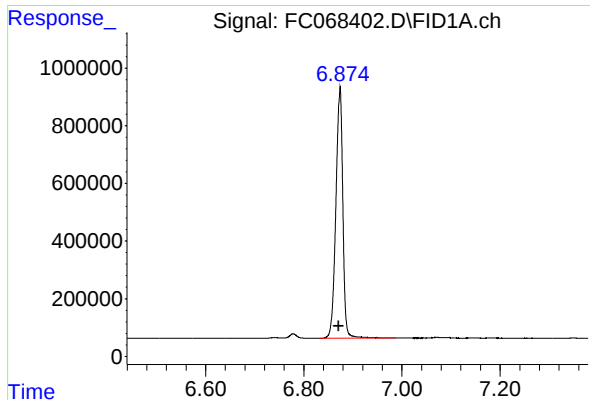
#3 n-Undecane (C11)

R.T.: 5.821 min
Delta R.T.: 0.002 min
Response: 8815730
Conc: 47.72 ug/ml



#4 n-Dodecane (C12)

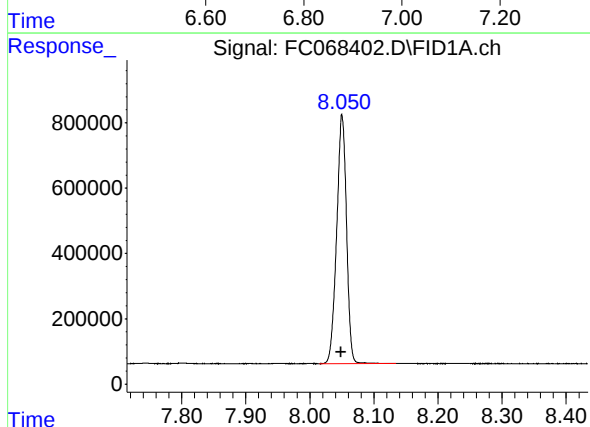
R.T.: 6.263 min
Delta R.T.: 0.002 min
Response: 8106450
Conc: 47.40 ug/ml



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

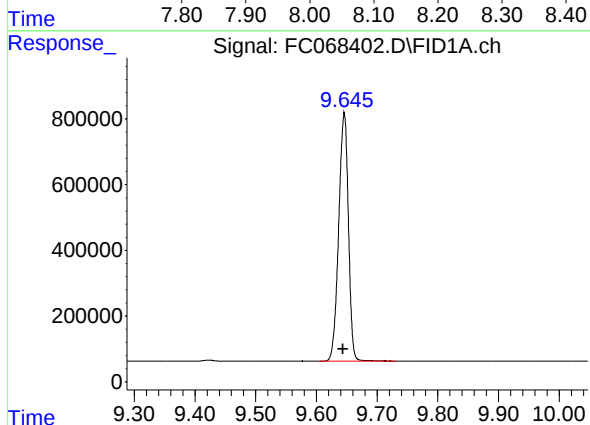
R.T.: 6.873 min
Delta R.T.: 0.003 min
Response: 8570514
Conc: 48.06 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



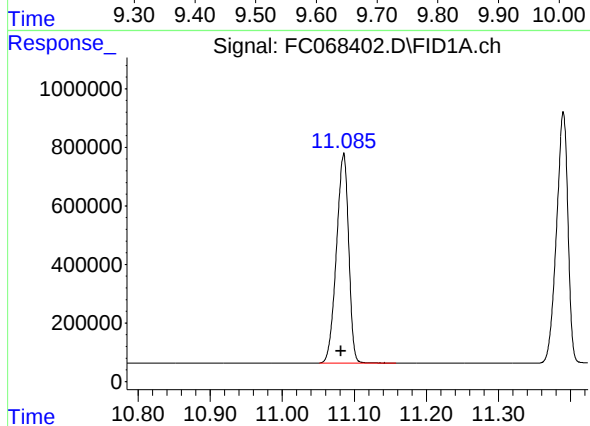
#6 n-Tetradecane (C14)

R.T.: 8.050 min
Delta R.T.: 0.002 min
Response: 8121733
Conc: 47.37 ug/ml



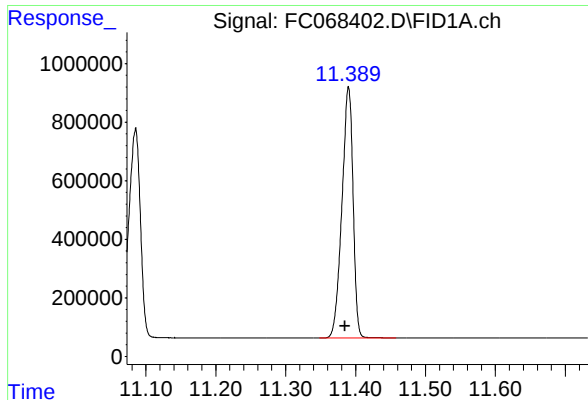
#7 n-Hexadecane (C16)

R.T.: 9.646 min
Delta R.T.: 0.002 min
Response: 8403555
Conc: 46.78 ug/ml



#8 n-Octadecane (C18)

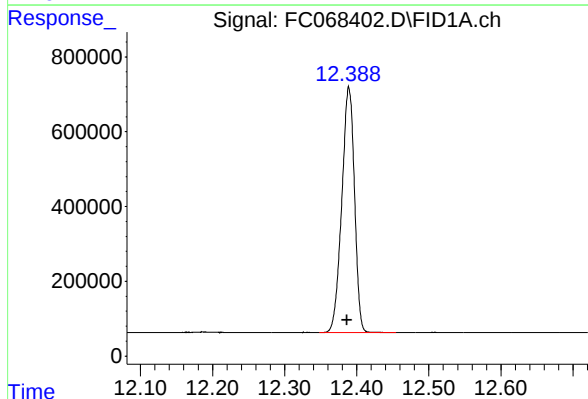
R.T.: 11.085 min
Delta R.T.: 0.003 min
Response: 8427177
Conc: 45.94 ug/ml



#9 ortho-Terphenyl (SURR)

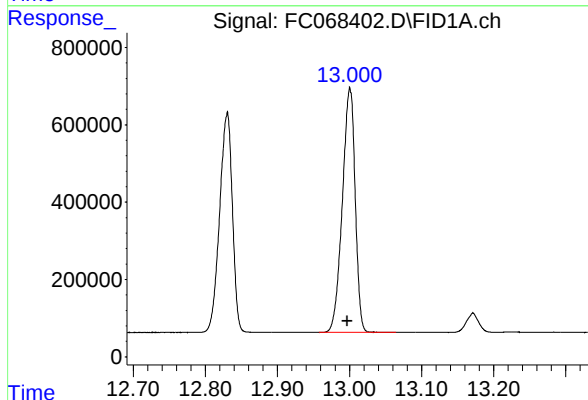
R.T.: 11.390 min
Delta R.T.: 0.005 min
Response: 9464670
Conc: 45.76 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



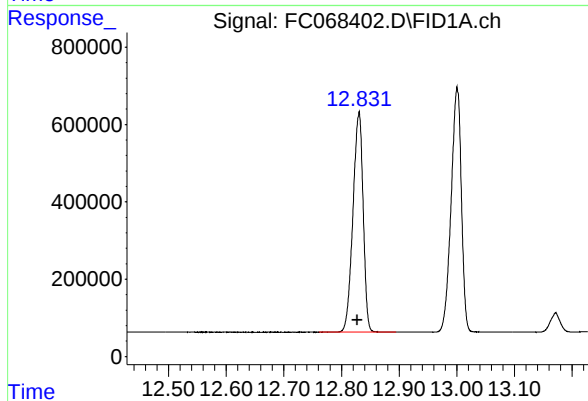
#10 n-Eicosane (C20)

R.T.: 12.389 min
Delta R.T.: 0.003 min
Response: 8040363
Conc: 45.11 ug/ml



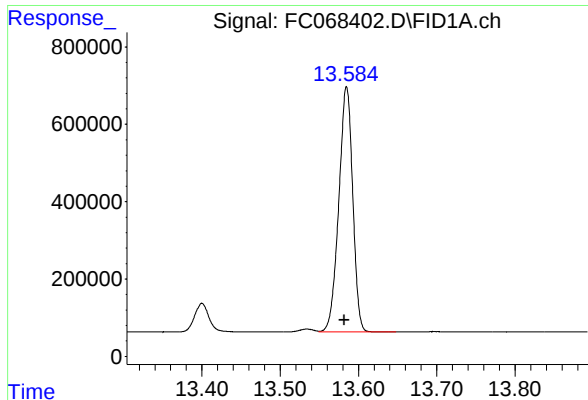
#11 n-Heneicosane (C21)

R.T.: 13.000 min
Delta R.T.: 0.003 min
Response: 7833568
Conc: 44.77 ug/ml



#12 1-chlorooctadecane (SURR)

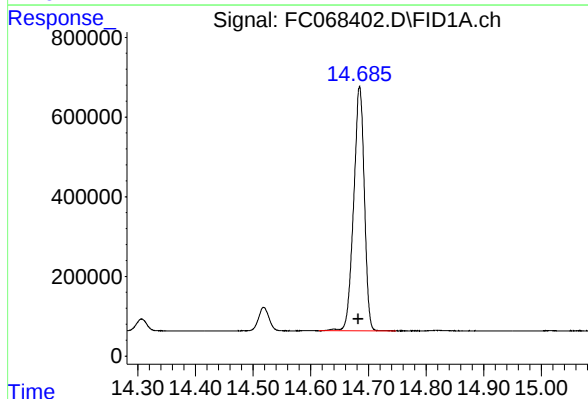
R.T.: 12.830 min
Delta R.T.: 0.003 min
Response: 7002346
Conc: 44.93 ug/ml



#13 n-Docosane (C22)

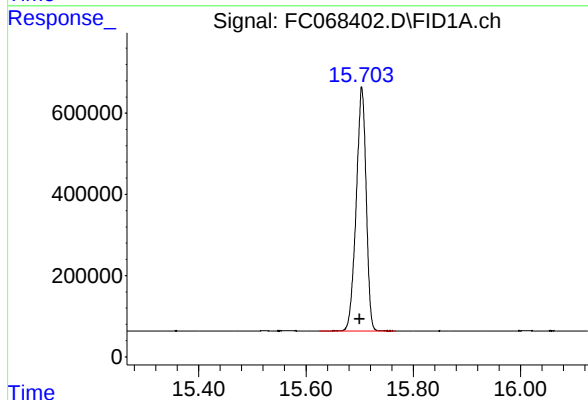
R.T.: 13.585 min
Delta R.T.: 0.003 min
Response: 7826241
Conc: 44.83 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



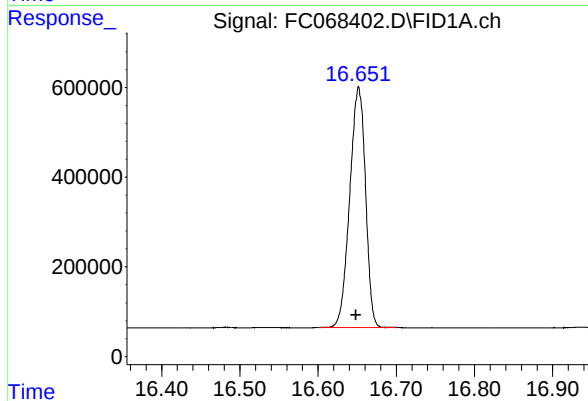
#14 n-Tetracosane (C24)

R.T.: 14.685 min
Delta R.T.: 0.002 min
Response: 7903096
Conc: 45.40 ug/ml



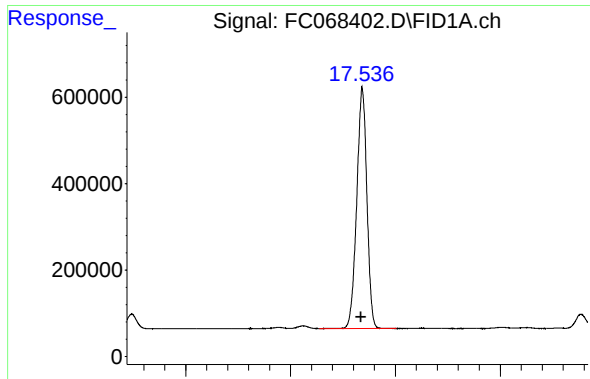
#15 n-Hexacosane (C26)

R.T.: 15.704 min
Delta R.T.: 0.004 min
Response: 7744438
Conc: 45.50 ug/ml



#16 n-Octacosane (C28)

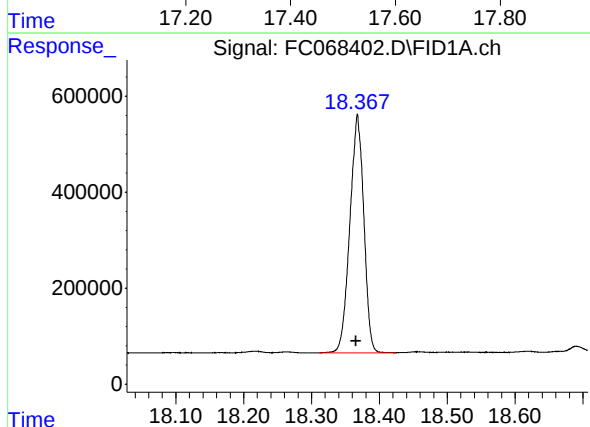
R.T.: 16.652 min
Delta R.T.: 0.003 min
Response: 7509178
Conc: 44.64 ug/ml



#17 n-Tricontane (C30)

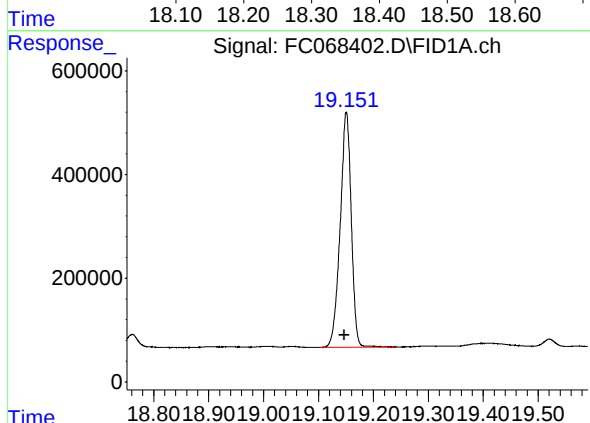
R.T.: 17.537 min
Delta R.T.: 0.003 min
Response: 7529162
Conc: 42.98 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



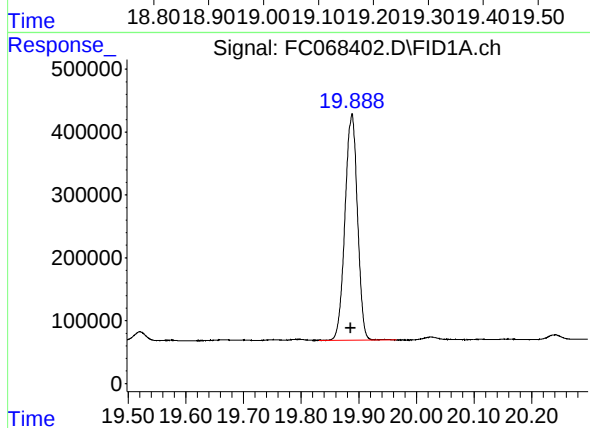
#18 n-Dotriacontane (C32)

R.T.: 18.368 min
Delta R.T.: 0.002 min
Response: 7082773
Conc: 41.78 ug/ml



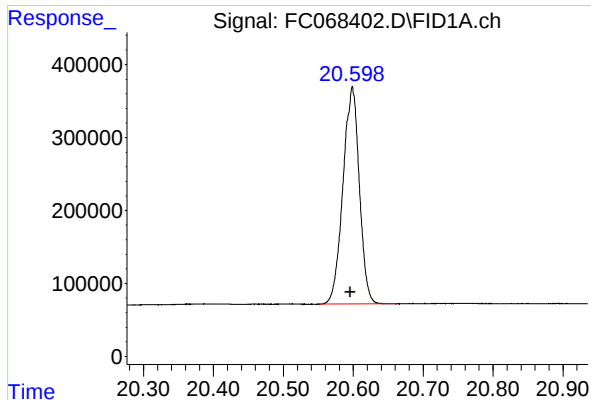
#19 n-Tetratriacontane (C34)

R.T.: 19.151 min
Delta R.T.: 0.003 min
Response: 6355847
Conc: 42.09 ug/ml



#20 n-Hexatriacontane (C36)

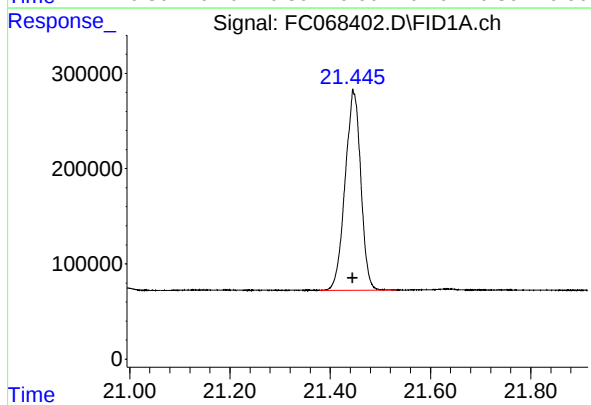
R.T.: 19.888 min
Delta R.T.: 0.002 min
Response: 5418030
Conc: 42.72 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.599 min
Delta R.T.: 0.003 min
Response: 4849344
Conc: 43.30 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.447 min
Delta R.T.: 0.002 min
Response: 4538954
Conc: 44.16 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068402.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 11:05
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 032625.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	3.202	3.171	3.271	BB	944694	7855746	83.00%	4.750%
2	4.257	4.214	4.328	BB	886400	7995500	84.48%	4.834%
3	5.821	5.788	5.921	BB	946921	8815730	93.14%	5.330%
4	6.263	6.221	6.324	BB	834713	8106450	85.65%	4.901%
5	6.873	6.831	6.988	BB	878081	8570514	90.55%	5.182%
6	8.050	8.014	8.134	BB	759159	8121733	85.81%	4.911%
7	9.646	9.604	9.731	BB	747325	8403555	88.79%	5.081%
8	11.085	11.051	11.158	BB	711590	8427177	89.04%	5.095%
9	11.390	11.348	11.458	BB	860822	9464670	100.00%	5.722%
10	12.389	12.348	12.454	BB	654201	8040363	84.95%	4.861%
11	12.830	12.761	12.894	BB	572237	7002346	73.98%	4.234%
12	13.000	12.958	13.064	BB	633767	7833568	82.77%	4.736%
13	13.585	13.550	13.648	VB	635349	7826241	82.69%	4.732%
14	14.685	14.614	14.748	BB	614585	7903096	83.50%	4.778%
15	15.704	15.624	15.768	BB	600248	7744438	81.82%	4.682%
16	16.652	16.601	16.699	BBA	533202	7509178	79.34%	4.540%
17	17.537	17.454	17.601	PB	553842	7529162	79.55%	4.552%
18	18.368	18.311	18.424	BV	493502	7082773	74.83%	4.282%
19	19.151	19.101	19.241	BB	454434	6355847	67.15%	3.843%
20	19.888	19.831	19.964	BB	358256	5418030	57.24%	3.276%
21	20.599	20.551	20.661	BB	296533	4849344	51.24%	2.932%
22	21.447	21.378	21.531	BB	206613	4538954	47.96%	2.744%
Sum of corrected areas:						165394413		

Aliphatic EPH 032625.M Wed Mar 26 15:20:27 2025

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	26 Mar 2025 11:42
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068403.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.099	6.361	10109387.000	60.000	ug/ml
Aliphatic C12-C16	6.362	9.744	7021727.000	40.000	ug/ml
Aliphatic C16-C21	9.745	13.097	10733415.000	60.000	ug/ml
Aliphatic C21-C28	13.098	16.748	13741558.000	80.000	ug/ml
Aliphatic C28-C40	16.749	21.545	16746543.000	120.000	ug/ml
Aliphatic EPH	3.099		58352630.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
 Data File : FC068403.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 11:42
 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: Mar 26 13:12:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 26 13:10:46 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

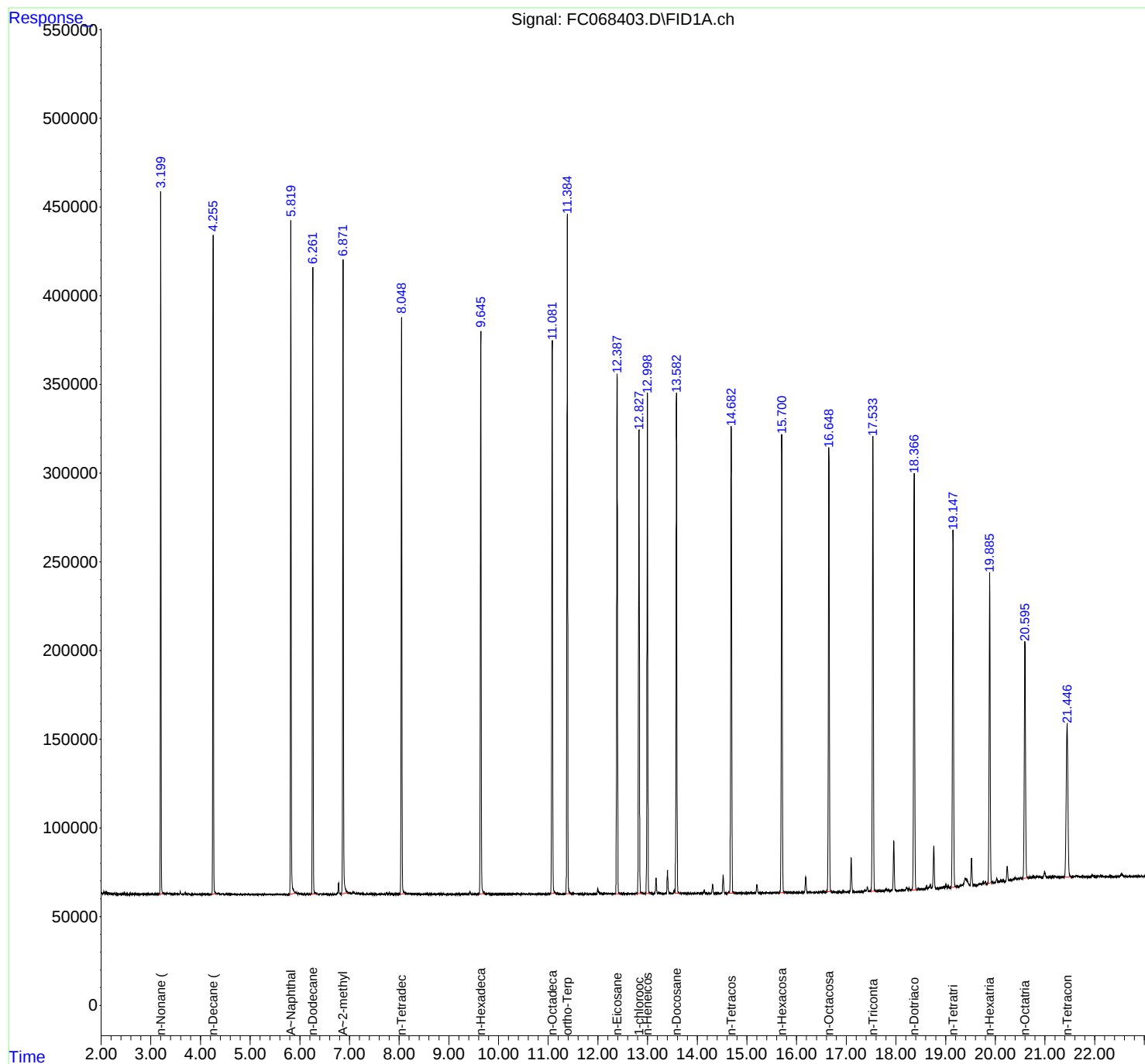
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.385	4136235	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	12.827	3116874	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.199	3316650	20.000 ug/ml
2) T n-Decane (C10)	4.255	3372128	20.000 ug/ml
3) T A~Naphthalene (C11.7)	5.819	3694929	20.000 ug/ml
4) T n-Dodecane (C12)	6.261	3420609	20.000 ug/ml
5) T A~2-methylnaphthalene...	6.871	3566583	20.000 ug/ml
6) T n-Tetradecane (C14)	8.048	3429304	20.000 ug/ml
7) T n-Hexadecane (C16)	9.644	3592423	20.000 ug/ml
8) T n-Octadecane (C18)	11.081	3668970	20.000 ug/ml
10) T n-Eicosane (C20)	12.387	3564802	20.000 ug/ml
11) T n-Heneicosane (C21)	12.997	3499643	20.000 ug/ml
13) T n-Docosane (C22)	13.582	3491593	20.000 ug/ml
14) T n-Tetracosane (C24)	14.682	3481248	20.000 ug/ml
15) T n-Hexacosane (C26)	15.700	3404454	20.000 ug/ml
16) T n-Octacosane (C28)	16.648	3364263	20.000 ug/ml
17) T n-Tricontane (C30)	17.534	3503743	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.365	3390251	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.147	3020004	20.000 ug/ml
20) T n-Hexatriacontane (C36)	19.886	2536609	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.596	2240024	20.000 ug/ml
22) T n-Tetracontane (C40)	21.445	2055912	20.000 ug/ml

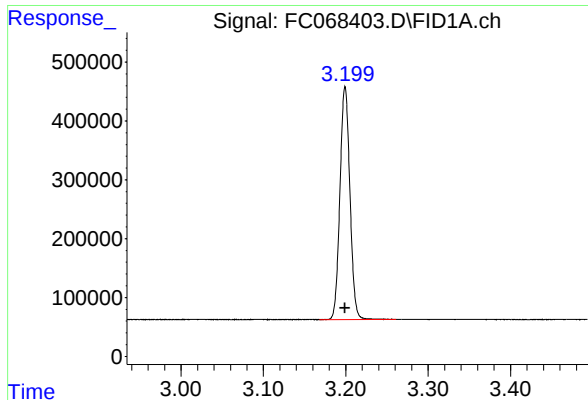
(f)=RT Delta > 1/2 Window

(m)=manual int.

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

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

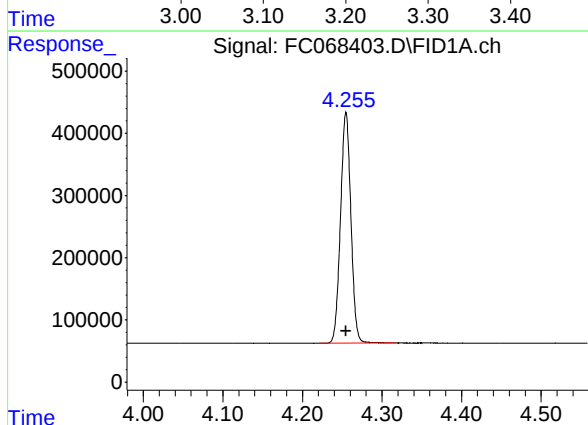




#1 n-Nonane (C9)

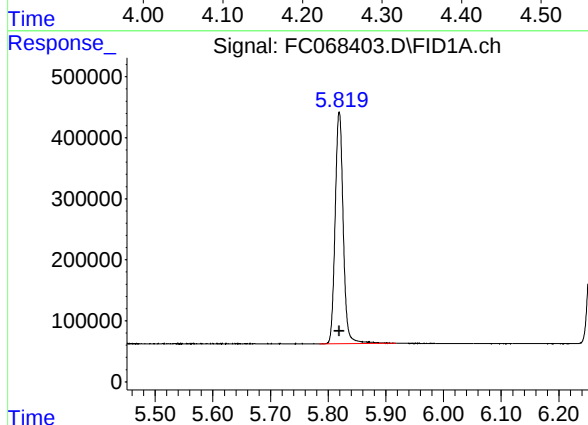
R.T.: 3.199 min
Delta R.T.: 0.000 min
Response: 3316650
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



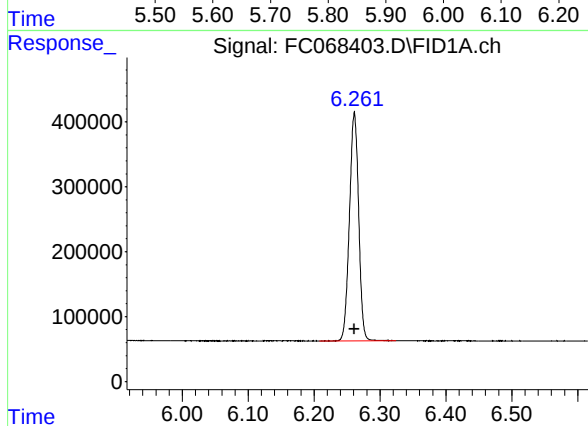
#2 n-Decane (C10)

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 3372128
Conc: 20.00 ug/ml



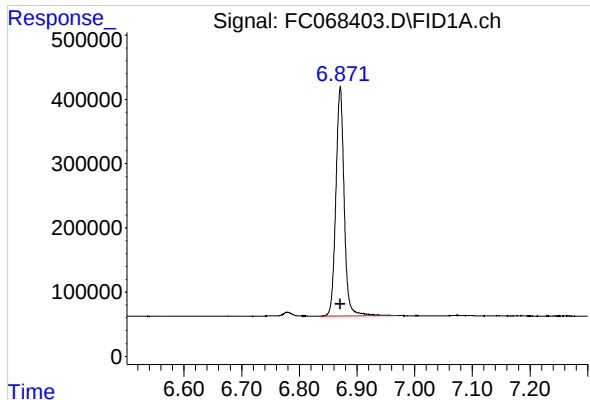
#3 A~Naphthalene (C11.7)

R.T.: 5.819 min
Delta R.T.: 0.000 min
Response: 3694929
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

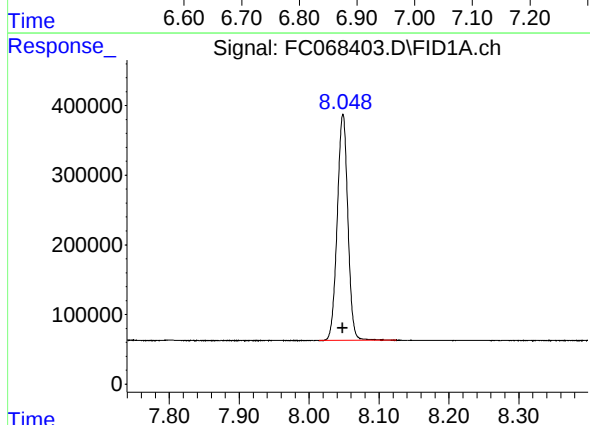
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 3420609
Conc: 20.00 ug/ml



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

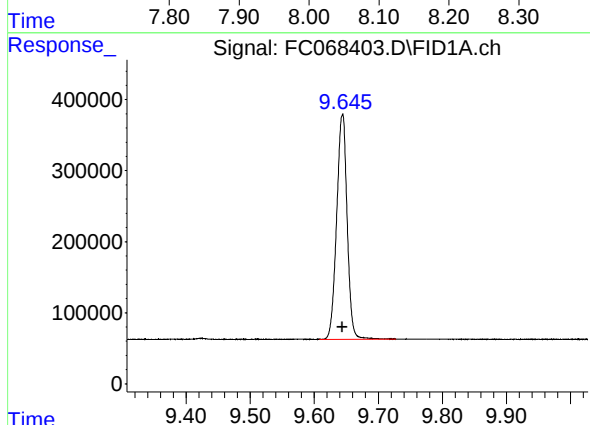
R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 3566583
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



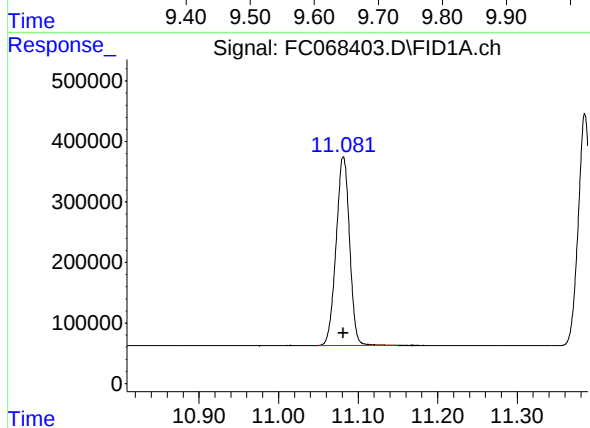
#6 n-Tetradecane (C14)

R.T.: 8.048 min
Delta R.T.: 0.000 min
Response: 3429304
Conc: 20.00 ug/ml



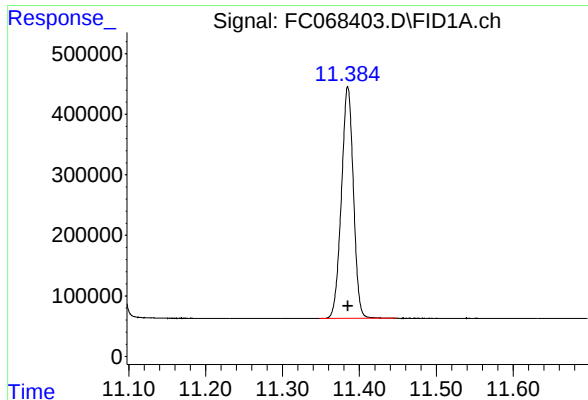
#7 n-Hexadecane (C16)

R.T.: 9.644 min
Delta R.T.: 0.000 min
Response: 3592423
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

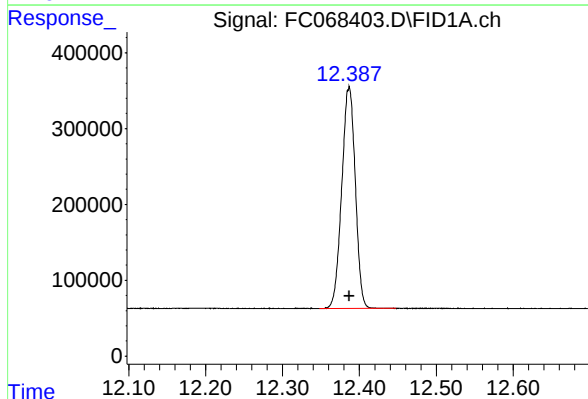
R.T.: 11.081 min
Delta R.T.: 0.000 min
Response: 3668970
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

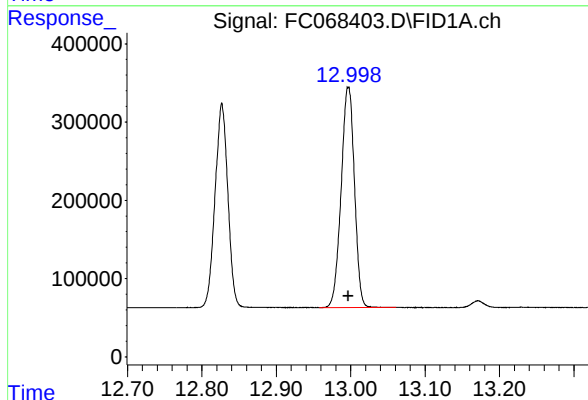
R.T.: 11.385 min
Delta R.T.: 0.000 min
Response: 4136235
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



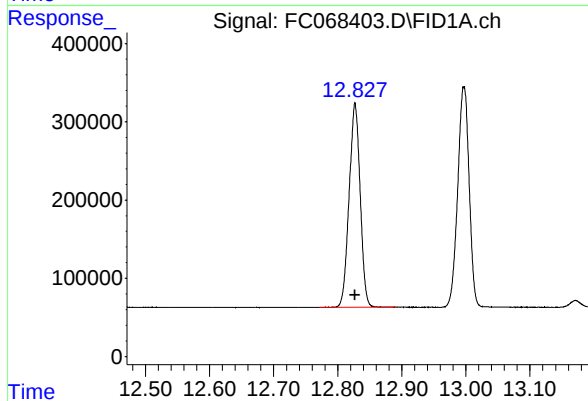
#10 n-Eicosane (C20)

R.T.: 12.387 min
Delta R.T.: 0.000 min
Response: 3564802
Conc: 20.00 ug/ml



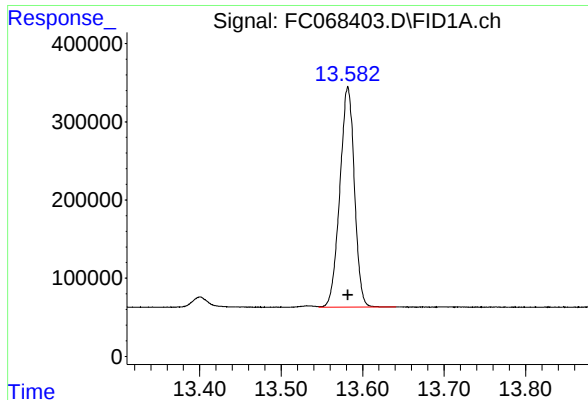
#11 n-Heneicosane (C21)

R.T.: 12.997 min
Delta R.T.: 0.000 min
Response: 3499643
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

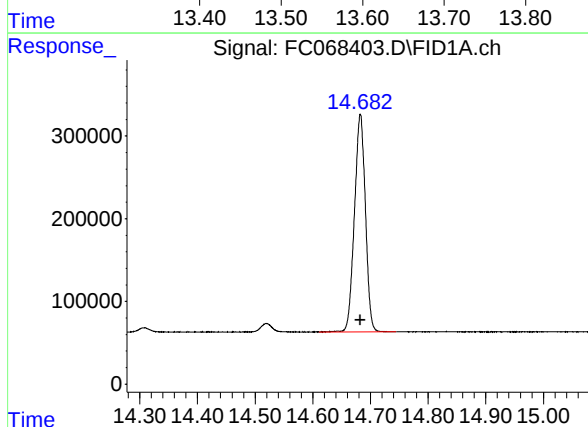
R.T.: 12.827 min
Delta R.T.: 0.000 min
Response: 3116874
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

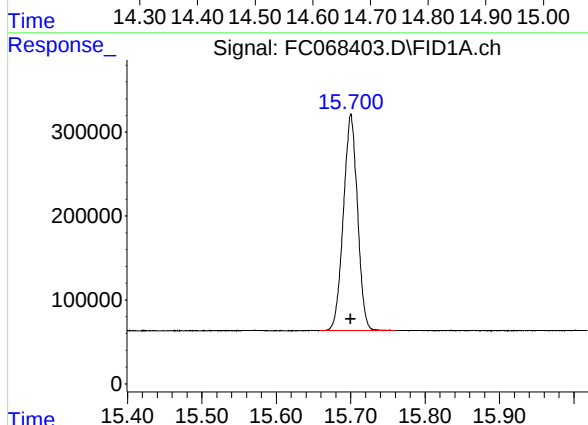
R.T.: 13.582 min
Delta R.T.: 0.000 min
Response: 3491593
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



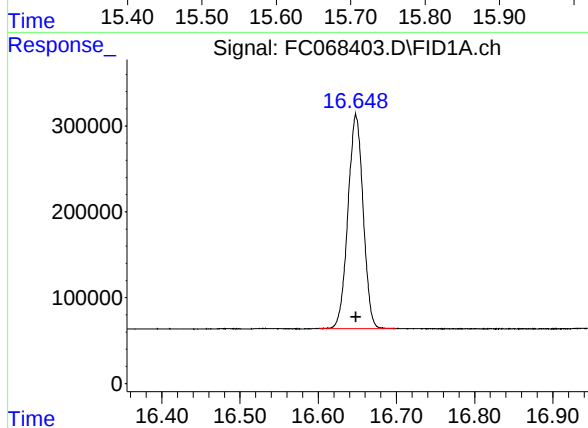
#14 n-Tetracosane (C24)

R.T.: 14.682 min
Delta R.T.: 0.000 min
Response: 3481248
Conc: 20.00 ug/ml



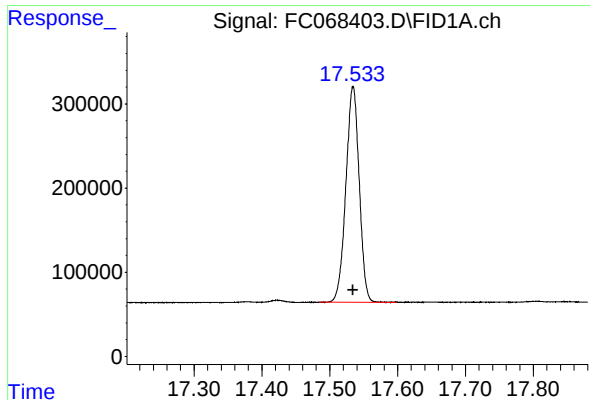
#15 n-Hexacosane (C26)

R.T.: 15.700 min
Delta R.T.: 0.000 min
Response: 3404454
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

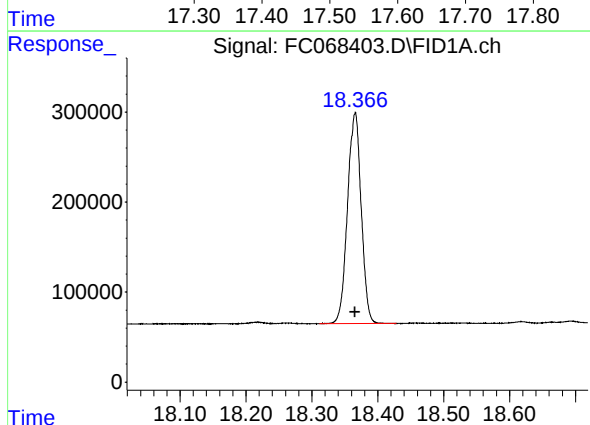
R.T.: 16.648 min
Delta R.T.: 0.000 min
Response: 3364263
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

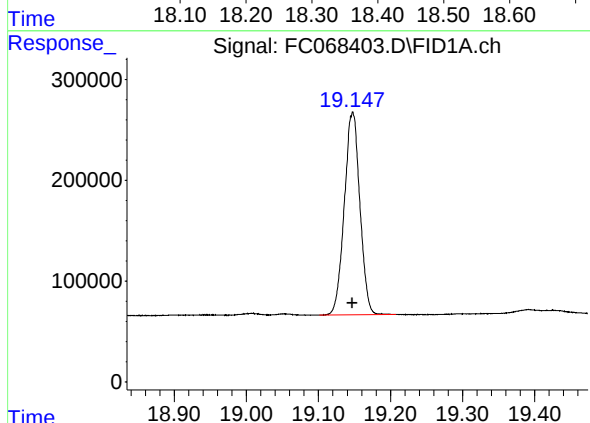
R.T.: 17.534 min
Delta R.T.: 0.000 min
Response: 3503743
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



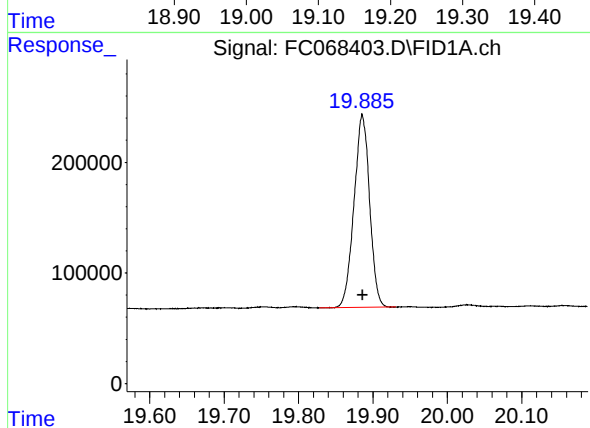
#18 n-Dotriacontane (C32)

R.T.: 18.365 min
Delta R.T.: 0.000 min
Response: 3390251
Conc: 20.00 ug/ml



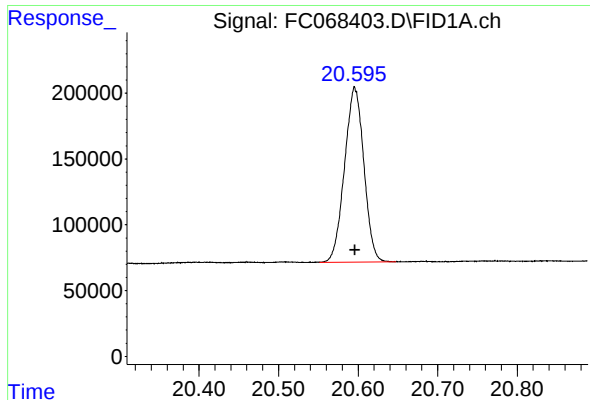
#19 n-Tetratriacontane (C34)

R.T.: 19.147 min
Delta R.T.: 0.000 min
Response: 3020004
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

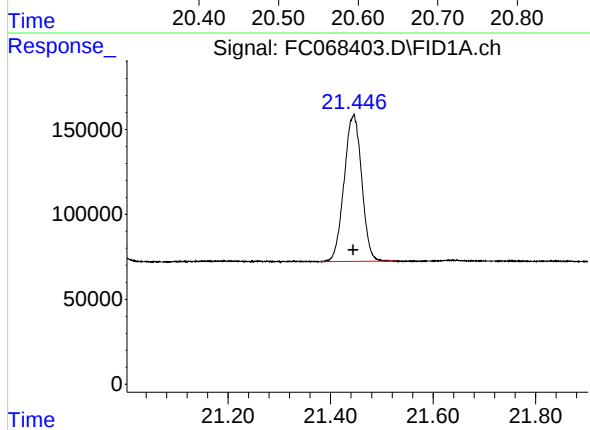
R.T.: 19.886 min
Delta R.T.: 0.000 min
Response: 2536609
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.596 min
Delta R.T.: 0.000 min
Response: 2240024
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.445 min
Delta R.T.: 0.000 min
Response: 2055912
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068403.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 11:42
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 032625.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	3.199	3.168	3.261	BB	391897	3316650	80.19%	4.552%
2	4.255	4.221	4.318	BB	370053	3372128	81.53%	4.628%
3	5.819	5.784	5.918	BB	378942	3694929	89.33%	5.071%
4	6.261	6.208	6.324	BB	350271	3420609	82.70%	4.694%
5	6.871	6.834	6.968	BB	355486	3566583	86.23%	4.895%
6	8.048	8.014	8.124	BB	324096	3429304	82.91%	4.706%
7	9.644	9.608	9.728	BB	317980	3592423	86.85%	4.930%
8	11.081	11.051	11.148	BB	312639	3668970	88.70%	5.035%
9	11.385	11.348	11.448	BB	382989	4136235	100.00%	5.676%
10	12.387	12.348	12.448	BB	292059	3564802	86.18%	4.892%
11	12.827	12.771	12.891	BB	259906	3116874	75.36%	4.277%
12	12.997	12.958	13.061	BB	282416	3499643	84.61%	4.803%
13	13.582	13.547	13.641	VB	280961	3491593	84.41%	4.792%
14	14.682	14.611	14.744	BB	261965	3481248	84.16%	4.778%
15	15.700	15.658	15.761	BB	257212	3404454	82.31%	4.672%
16	16.648	16.601	16.699	BBA	248532	3364263	81.34%	4.617%
17	17.534	17.484	17.598	BB	256544	3503743	84.71%	4.808%
18	18.365	18.311	18.428	BB	232854	3390251	81.96%	4.653%
19	19.147	19.101	19.208	BB	200496	3020004	73.01%	4.145%
20	19.886	19.828	19.931	BB	173623	2536609	61.33%	3.481%
21	20.596	20.551	20.648	BB	132667	2240024	54.16%	3.074%
22	21.445	21.378	21.528	BB	85789	2055912	49.70%	2.821%
Sum of corrected areas:							72867248	

Aliphatic EPH 032625.M Wed Mar 26 15:19:45 2025

Lab Sample ID:	10 PPM ALIPHATIC HC 9	Acq On:	26 Mar 2025 12:21
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068404.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.099	6.361	5032376.000	30.000	ug/ml
Aliphatic C12-C16	6.362	9.744	3486717.000	20.000	ug/ml
Aliphatic C16-C21	9.745	13.097	5433148.000	30.000	ug/ml
Aliphatic C21-C28	13.098	16.748	7153138.000	40.000	ug/ml
Aliphatic C28-C40	16.749	21.545	8713011.000	60.000	ug/ml
Aliphatic EPH	3.099		29818390.000	180.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
 Data File : FC068404.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 12:21
 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: Mar 26 13:13:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 26 13:10:46 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.384	2086658	10.090 ug/ml
Spiked Amount 50.000		Recovery =	20.18%
12) S 1-chlorooctadecane (S...	12.826	1580360	10.141 ug/ml
Spiked Amount 50.000		Recovery =	20.28%
Target Compounds			
1) T n-Nonane (C9)	3.200	1652195	9.963 ug/ml
2) T n-Decane (C10)	4.255	1673518	9.926 ug/ml
3) T A~Naphthalene (C11.7)	5.820	1817299	9.837 ug/ml
4) T n-Dodecane (C12)	6.261	1706663	9.979 ug/ml
5) T A~2-methylnaphthalene...	6.871	1740430	9.760 ug/ml
6) T n-Tetradecane (C14)	8.047	1699414	9.911 ug/ml
7) T n-Hexadecane (C16)	9.643	1787303	9.950 ug/ml
8) T n-Octadecane (C18)	11.080	1839600	10.028 ug/ml
10) T n-Eicosane (C20)	12.386	1812535	10.169 ug/ml
11) T n-Heneicosane (C21)	12.996	1781013	10.178 ug/ml
13) T n-Docosane (C22)	13.581	1793771	10.275 ug/ml
14) T n-Tetracosane (C24)	14.681	1816027	10.433 ug/ml
15) T n-Hexacosane (C26)	15.699	1777806	10.444 ug/ml
16) T n-Octacosane (C28)	16.647	1765534	10.496 ug/ml
17) T n-Tricontane (C30)	17.533	1853554	10.580 ug/ml
18) T n-Dotriacontane (C32)	18.365	1792145	10.572 ug/ml
19) T n-Tetratriacontane (C34)	19.146	1586807	10.509 ug/ml
20) T n-Hexatriacontane (C36)	19.886	1308753	10.319 ug/ml
21) T n-Octatriacontane (C38)	20.595	1139413	10.173 ug/ml
22) T n-Tetracontane (C40)	21.443	1032339	10.043 ug/ml

(f)=RT Delta > 1/2 Window

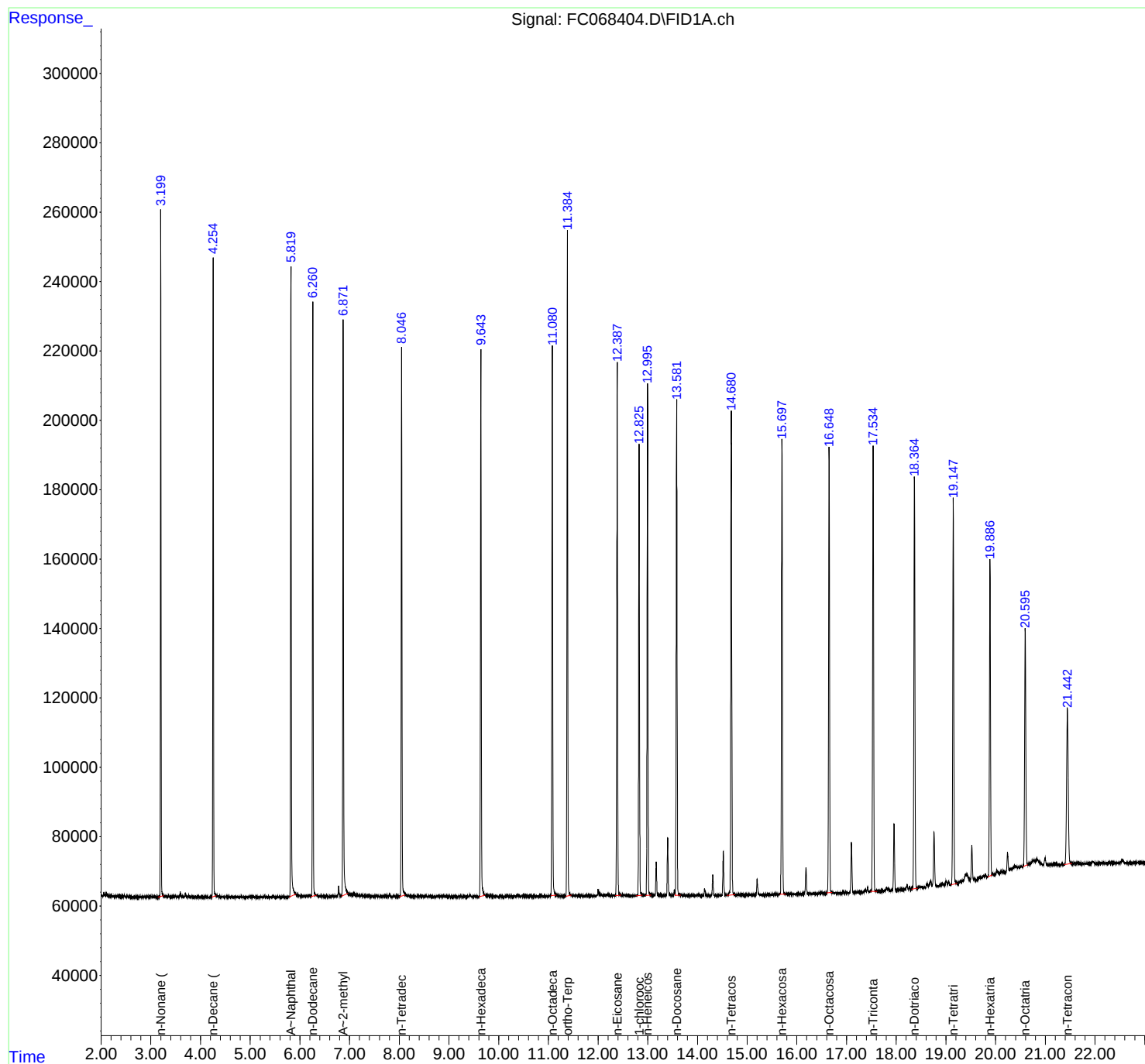
(m)=manual int.

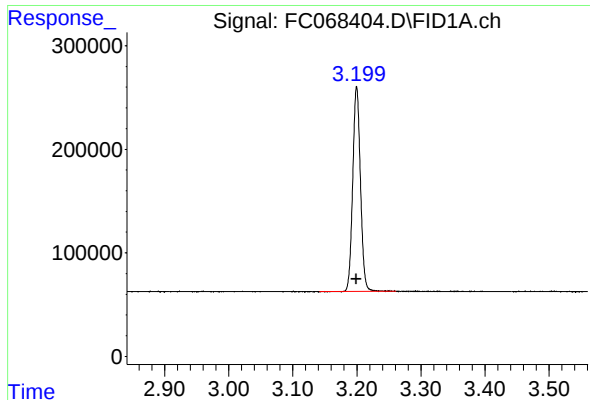
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068404.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:21
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Mar 26 13:13:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

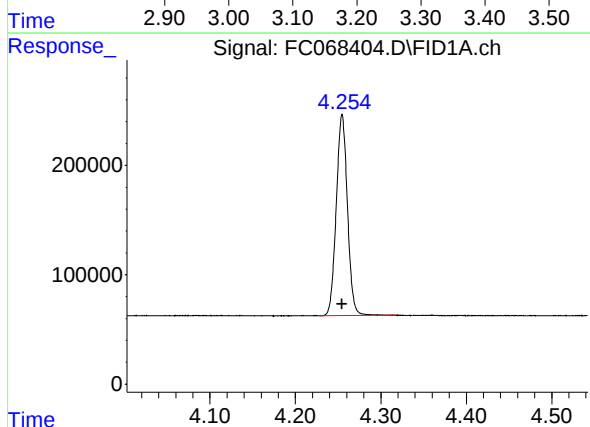




#1 n-Nonane (C9)

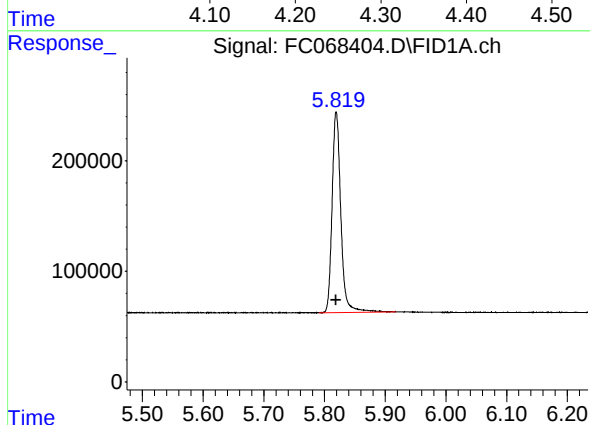
R.T.: 3.200 min
Delta R.T.: 0.000 min
Response: 1652195
Conc: 9.96 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



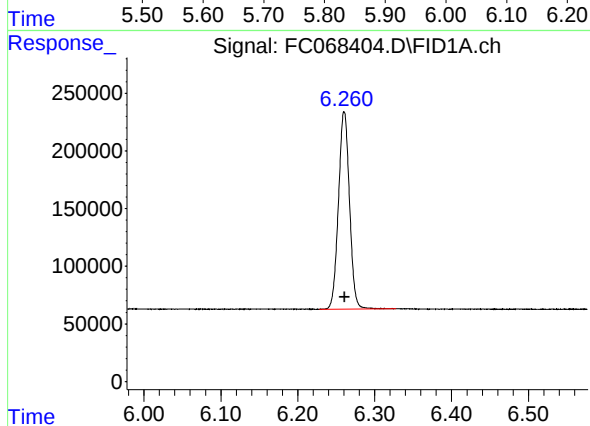
#2 n-Decane (C10)

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 1673518
Conc: 9.93 ug/ml



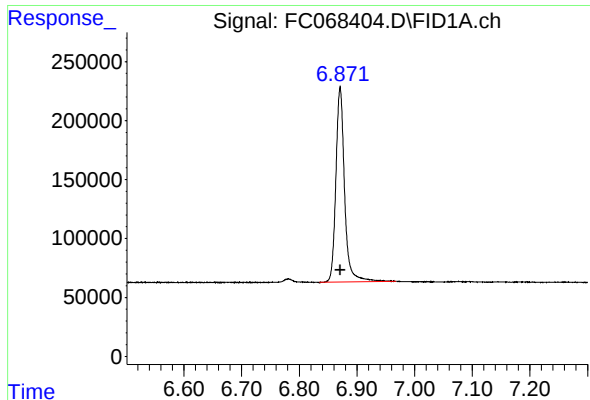
#3 A~Naphthalene (C11.7)

R.T.: 5.820 min
Delta R.T.: 0.000 min
Response: 1817299
Conc: 9.84 ug/ml



#4 n-Dodecane (C12)

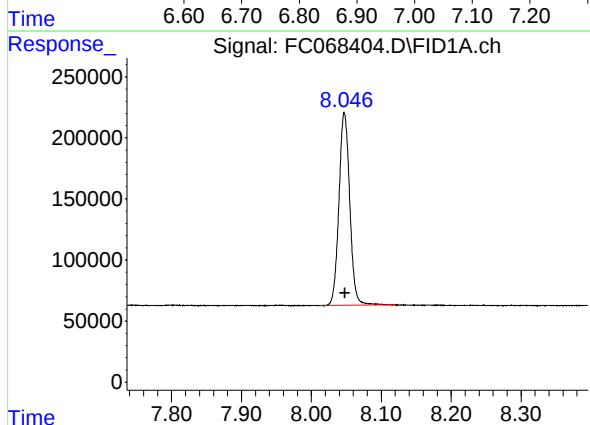
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 1706663
Conc: 9.98 ug/ml



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

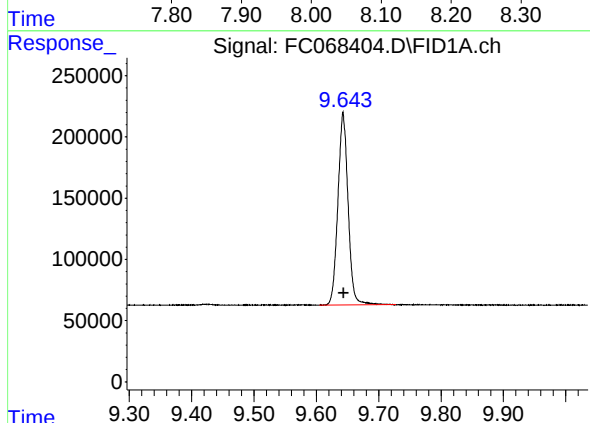
R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 1740430
Conc: 9.76 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



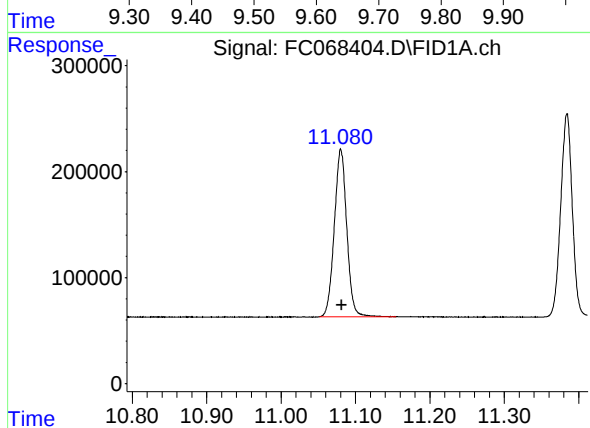
#6 n-Tetradecane (C14)

R.T.: 8.047 min
Delta R.T.: 0.000 min
Response: 1699414
Conc: 9.91 ug/ml



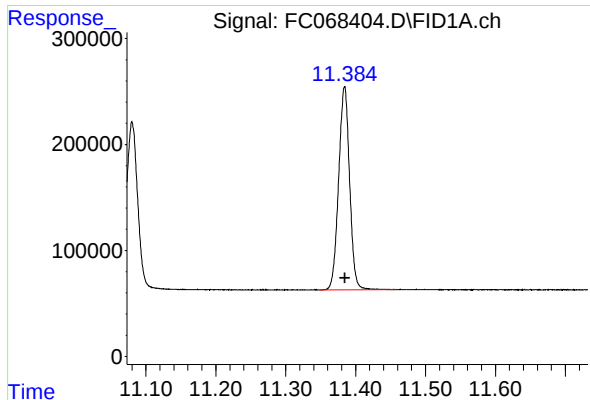
#7 n-Hexadecane (C16)

R.T.: 9.643 min
Delta R.T.: 0.000 min
Response: 1787303
Conc: 9.95 ug/ml



#8 n-Octadecane (C18)

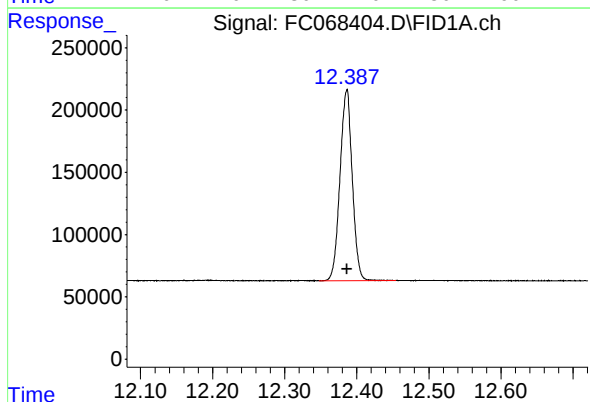
R.T.: 11.080 min
Delta R.T.: -0.001 min
Response: 1839600
Conc: 10.03 ug/ml



#9 ortho-Terphenyl (SURR)

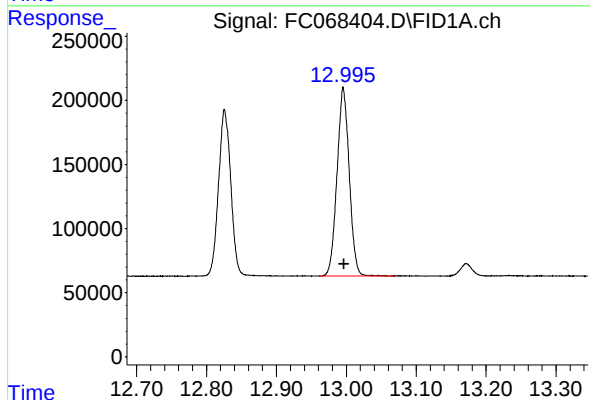
R.T.: 11.384 min
Delta R.T.: 0.000 min
Response: 2086658
Conc: 10.09 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



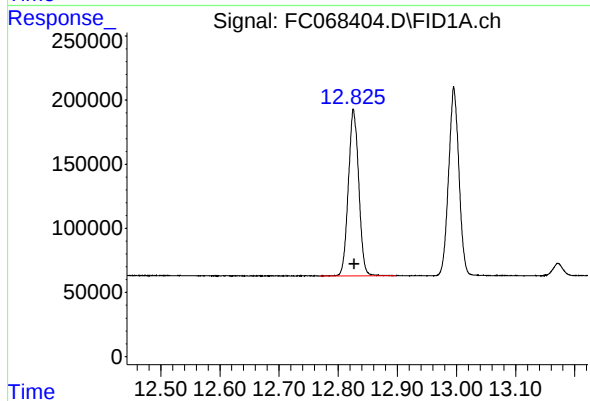
#10 n-Eicosane (C20)

R.T.: 12.386 min
Delta R.T.: 0.000 min
Response: 1812535
Conc: 10.17 ug/ml



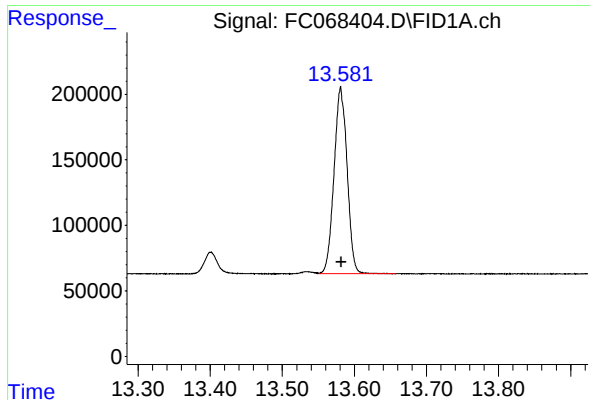
#11 n-Heneicosane (C21)

R.T.: 12.996 min
Delta R.T.: -0.001 min
Response: 1781013
Conc: 10.18 ug/ml



#12 1-chlorooctadecane (SURR)

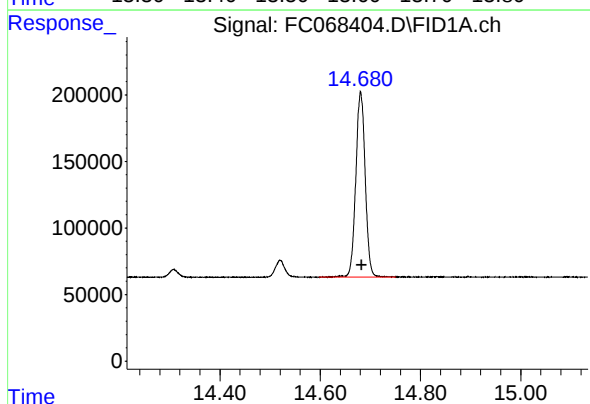
R.T.: 12.826 min
Delta R.T.: 0.000 min
Response: 1580360
Conc: 10.14 ug/ml



#13 n-Docosane (C22)

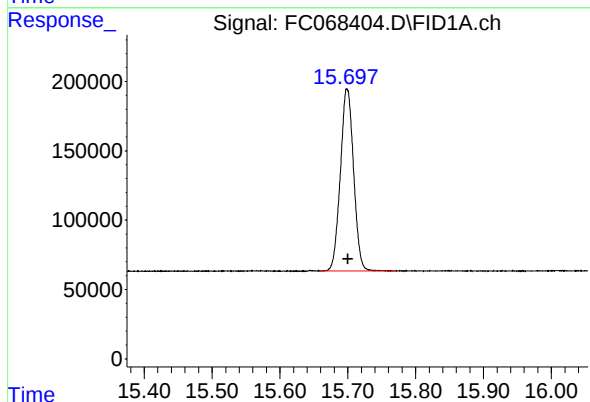
R.T.: 13.581 min
Delta R.T.: 0.000 min
Response: 1793771
Conc: 10.27 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



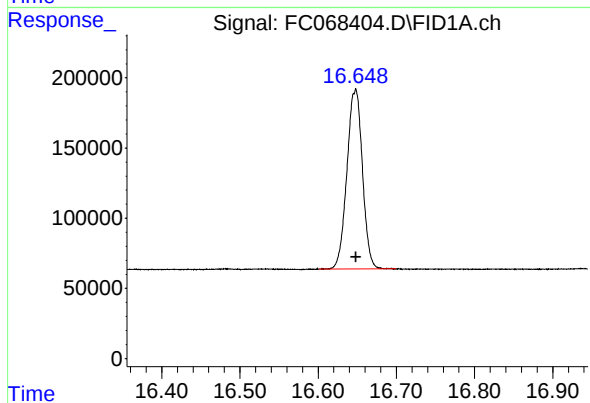
#14 n-Tetracosane (C24)

R.T.: 14.681 min
Delta R.T.: -0.002 min
Response: 1816027
Conc: 10.43 ug/ml



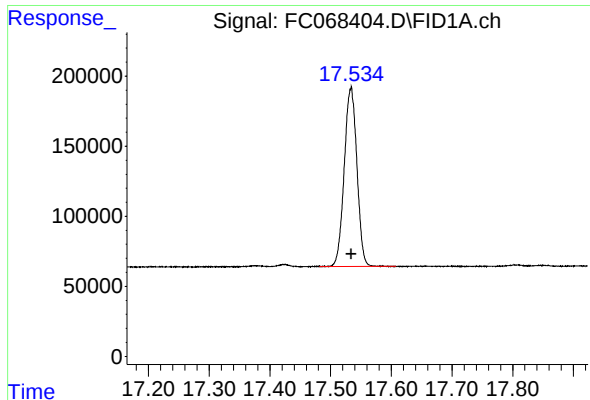
#15 n-Hexacosane (C26)

R.T.: 15.699 min
Delta R.T.: -0.001 min
Response: 1777806
Conc: 10.44 ug/ml



#16 n-Octacosane (C28)

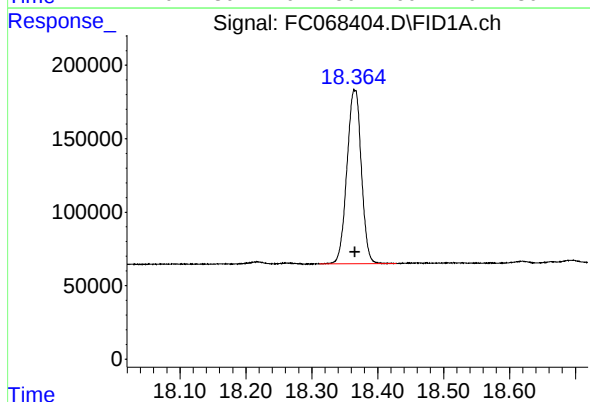
R.T.: 16.647 min
Delta R.T.: 0.000 min
Response: 1765534
Conc: 10.50 ug/ml



#17 n-Tricontane (C30)

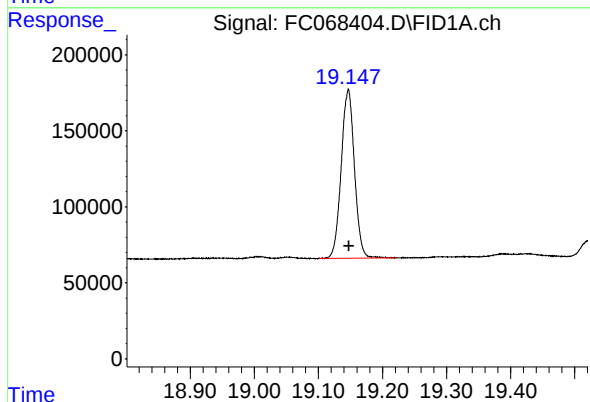
R.T.: 17.533 min
Delta R.T.: 0.000 min
Response: 1853554
Conc: 10.58 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



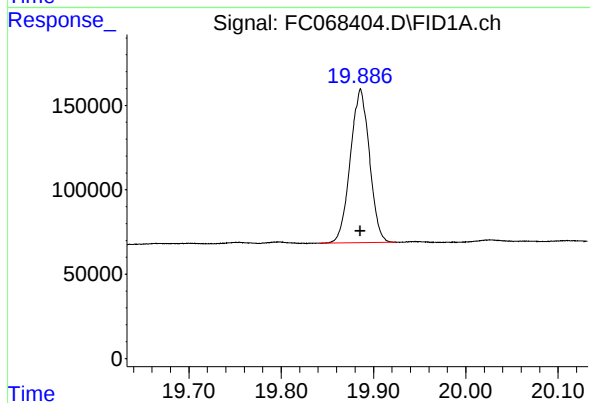
#18 n-Dotriacontane (C32)

R.T.: 18.365 min
Delta R.T.: 0.000 min
Response: 1792145
Conc: 10.57 ug/ml



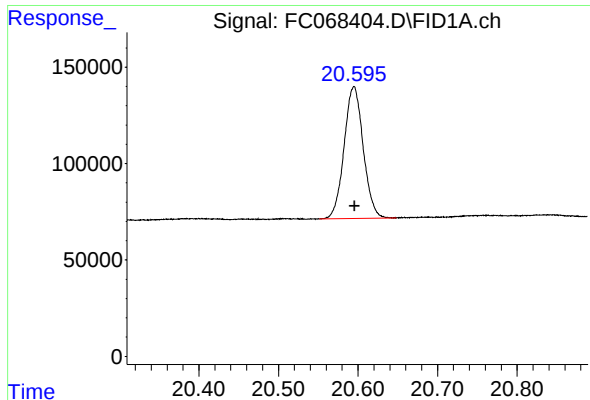
#19 n-Tetatriacontane (C34)

R.T.: 19.146 min
Delta R.T.: 0.000 min
Response: 1586807
Conc: 10.51 ug/ml



#20 n-Hexatriacontane (C36)

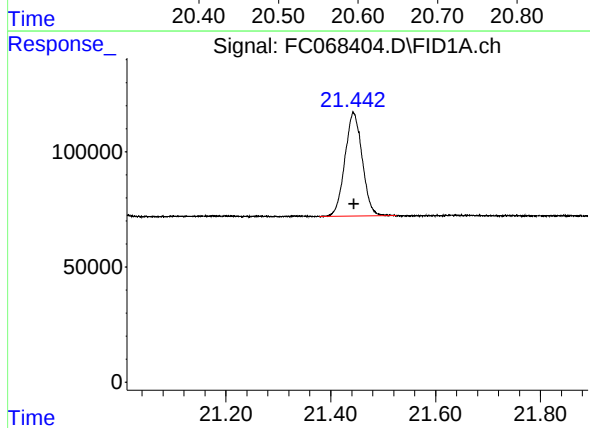
R.T.: 19.886 min
Delta R.T.: 0.000 min
Response: 1308753
Conc: 10.32 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.595 min
Delta R.T.: -0.001 min
Response: 1139413
Conc: 10.17 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.443 min
Delta R.T.: -0.001 min
Response: 1032339
Conc: 10.04 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068404.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:21
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 032625.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	3.200	3.141	3.261	BB	195607	1652195	79.18%	4.460%
2	4.255	4.228	4.318	BB	183136	1673518	80.20%	4.518%
3	5.820	5.791	5.918	BB	179866	1817299	87.09%	4.906%
4	6.261	6.228	6.328	BB	171723	1706663	81.79%	4.607%
5	6.871	6.834	6.968	BB	164818	1740430	83.41%	4.698%
6	8.047	8.011	8.121	BB	157213	1699414	81.44%	4.588%
7	9.643	9.604	9.728	BB	153517	1787303	85.65%	4.825%
8	11.080	11.051	11.154	BB	157591	1839600	88.16%	4.966%
9	11.384	11.348	11.458	BB	192679	2086658	100.00%	5.633%
10	12.386	12.348	12.454	BB	151695	1812535	86.86%	4.893%
11	12.826	12.768	12.898	BB	125830	1580360	75.74%	4.266%
12	12.996	12.961	13.071	BB	145688	1781013	85.35%	4.808%
13	13.581	13.551	13.658	VB	140685	1793771	85.96%	4.842%
14	14.681	14.598	14.751	BB	138837	1816027	87.03%	4.902%
15	15.699	15.658	15.771	BB	132082	1777806	85.20%	4.799%
16	16.647	16.601	16.699	BBA	127402	1765534	84.61%	4.766%
17	17.533	17.481	17.608	BB	127760	1853554	88.83%	5.004%
18	18.365	18.311	18.428	BB	118545	1792145	85.89%	4.838%
19	19.146	19.101	19.221	BB	111502	1586807	76.05%	4.284%
20	19.886	19.841	19.924	BB	89375	1308753	62.72%	3.533%
21	20.595	20.551	20.648	BB	68161	1139413	54.60%	3.076%
22	21.443	21.378	21.524	BB	44776	1032339	49.47%	2.787%
Sum of corrected areas:							37043136	

Aliphatic EPH 032625.M Wed Mar 26 15:19:19 2025

Lab Sample ID:	5 PPM ALIPHATIC HC S'	Acq On:	26 Mar 2025 12:59
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068405.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.099	6.361	2480291.000	15.000	ug/ml
Aliphatic C12-C16	6.362	9.744	1690088.000	10.000	ug/ml
Aliphatic C16-C21	9.745	13.097	2722484.000	15.000	ug/ml
Aliphatic C21-C28	13.098	16.748	3908195.000	20.000	ug/ml
Aliphatic C28-C40	16.749	21.545	4969759.000	30.000	ug/ml
Aliphatic EPH	3.099		15770817.000	90.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
 Data File : FC068405.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 12:59
 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: Mar 26 13:34:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 26 13:16:01 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.383	1040771	5.303 ug/ml
Spiked Amount 50.000		Recovery =	10.61%
12) S 1-chlorooctadecane (S...	12.826	787660	5.360 ug/ml
Spiked Amount 50.000		Recovery =	10.72%
Target Compounds			
1) T n-Nonane (C9)	3.200	819968	5.159 ug/ml
2) T n-Decane (C10)	4.255	821987	5.089 ug/ml
3) T A~Naphthalene (C11.7)	5.821	868483	4.895 ug/ml
4) T n-Dodecane (C12)	6.261	838336	5.105 ug/ml
5) T A~2-methylnaphthalene...	6.872	818798	4.769 ug/ml
6) T n-Tetradecane (C14)	8.048	823942	5.010 ug/ml
7) T n-Hexadecane (C16)	9.643	866146	5.050 ug/ml
8) T n-Octadecane (C18)	11.080	907661	5.216 ug/ml
10) T n-Eicosane (C20)	12.385	917135	5.452 ug/ml
11) T n-Heneicosane (C21)	12.995	897688	5.447 ug/ml
13) T n-Docosane (C22)	13.580	924581	5.616 ug/ml
14) T n-Tetracosane (C24)	14.681	982703	5.958 ug/ml
15) T n-Hexacosane (C26)	15.699	982054	6.089 ug/ml
16) T n-Octacosane (C28)	16.647	1018857	6.446 ug/ml
17) T n-Tricontane (C30)	17.533	1117126	6.892 ug/ml
18) T n-Dotriacontane (C32)	18.363	1085377	7.003 ug/ml
19) T n-Tetratriacontane (C34)	19.145	914648	6.597 ug/ml
20) T n-Hexatriacontane (C36)	19.884	718338	6.137 ug/ml
21) T n-Octatriacontane (C38)	20.594	606676	5.839 ug/ml
22) T n-Tetracontane (C40)	21.442	527594	5.488 ug/ml

(f)=RT Delta > 1/2 Window

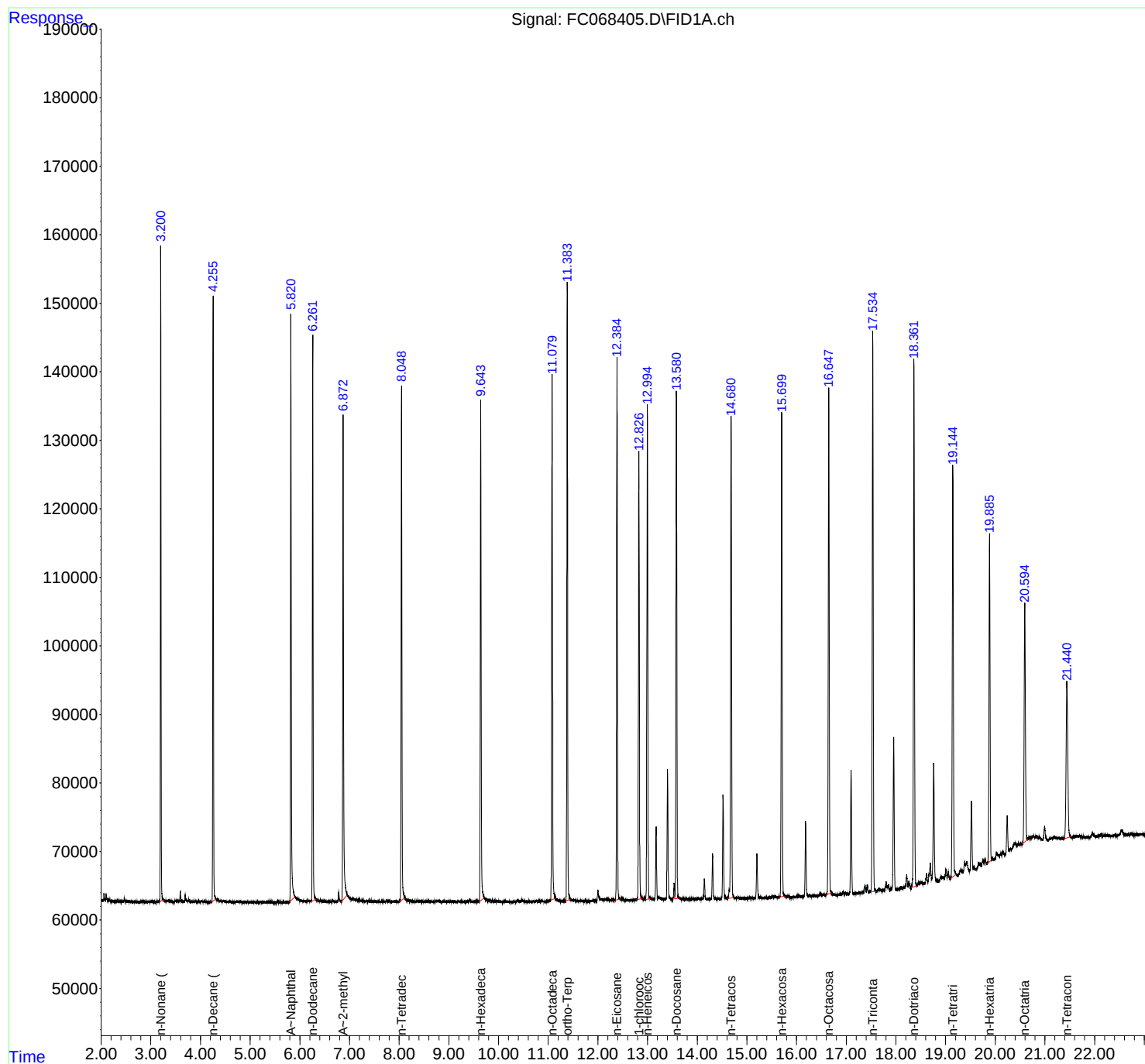
(m)=manual int.

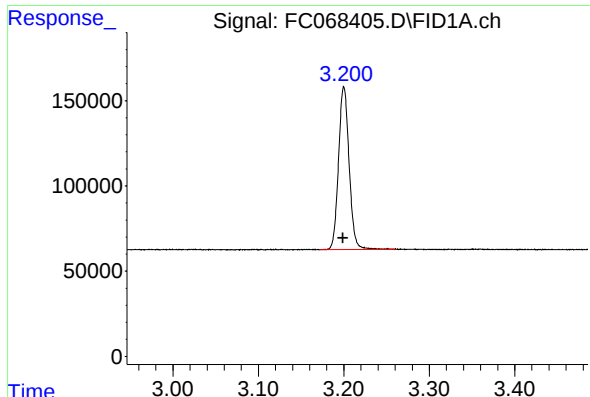
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068405.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:59
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Mar 26 13:34:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:16:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

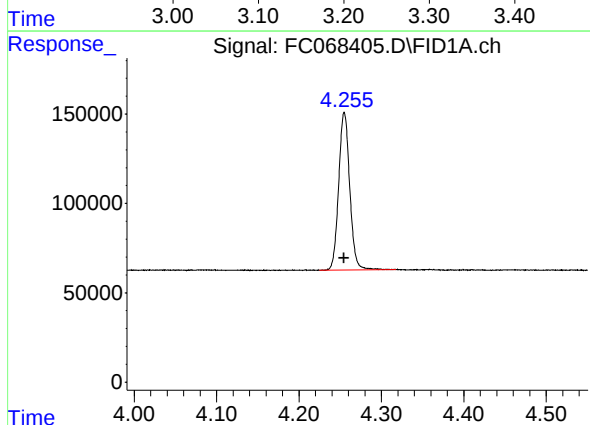




#1 n-Nonane (C9)

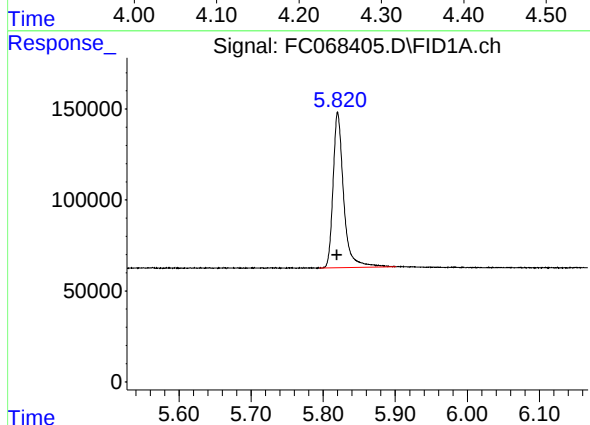
R.T.: 3.200 min
Delta R.T.: 0.001 min
Response: 819968
Conc: 5.16 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



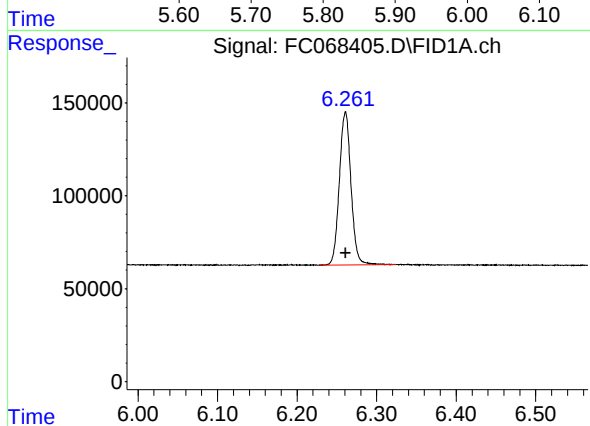
#2 n-Decane (C10)

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 821987
Conc: 5.09 ug/ml



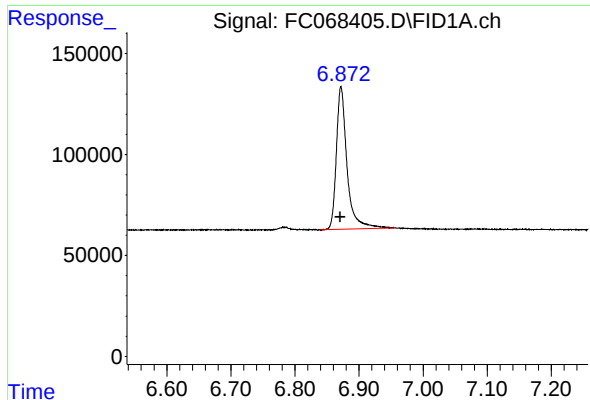
#3 A~Naphthalene (C11.7)

R.T.: 5.821 min
Delta R.T.: 0.001 min
Response: 868483
Conc: 4.90 ug/ml



#4 n-Dodecane (C12)

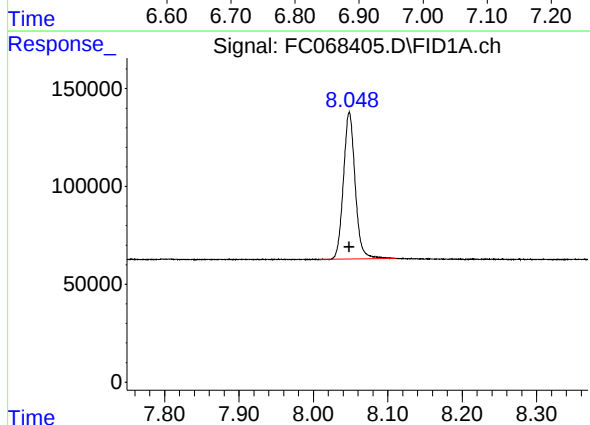
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 838336
Conc: 5.11 ug/ml



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

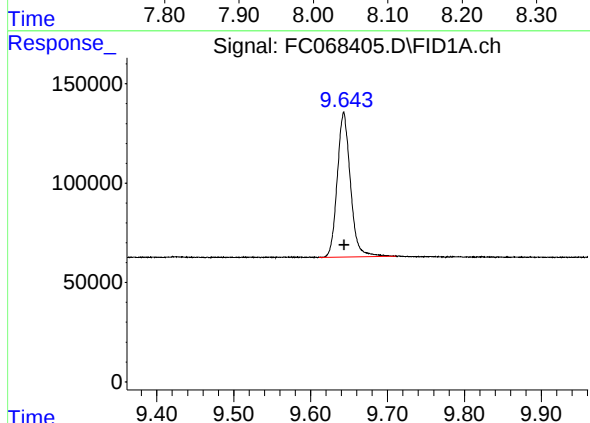
R.T.: 6.872 min
Delta R.T.: 0.001 min
Response: 818798
Conc: 4.77 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



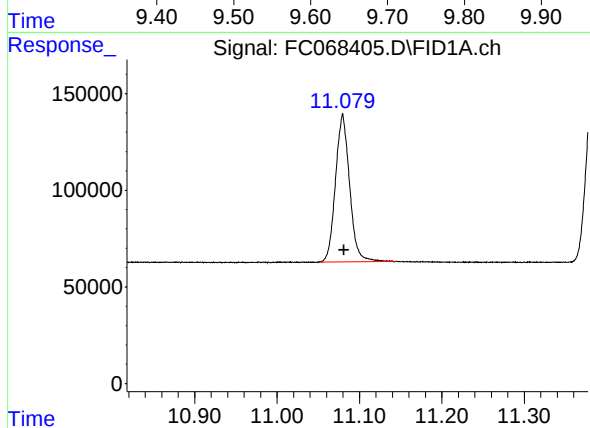
#6 n-Tetradecane (C14)

R.T.: 8.048 min
Delta R.T.: 0.000 min
Response: 823942
Conc: 5.01 ug/ml



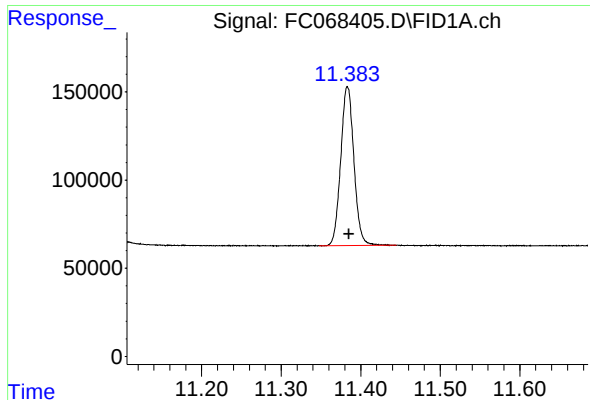
#7 n-Hexadecane (C16)

R.T.: 9.643 min
Delta R.T.: 0.000 min
Response: 866146
Conc: 5.05 ug/ml



#8 n-Octadecane (C18)

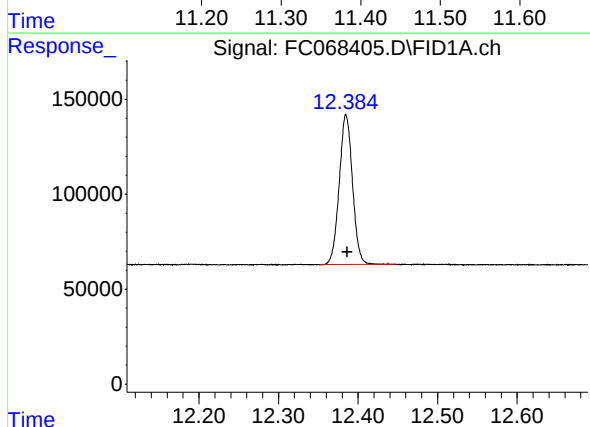
R.T.: 11.080 min
Delta R.T.: -0.002 min
Response: 907661
Conc: 5.22 ug/ml



#9 ortho-Terphenyl (SURR)

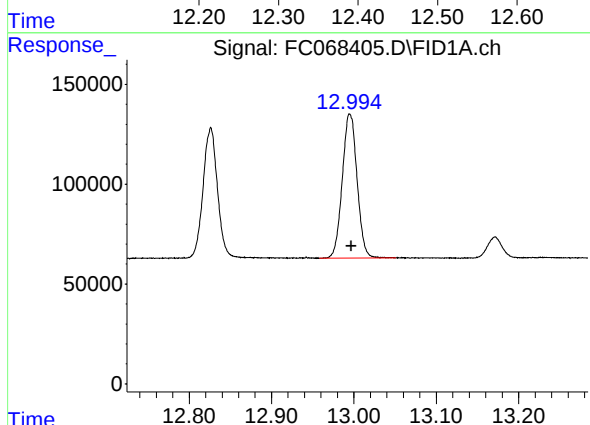
R.T.: 11.383 min
Delta R.T.: -0.002 min
Response: 1040771
Conc: 5.30 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



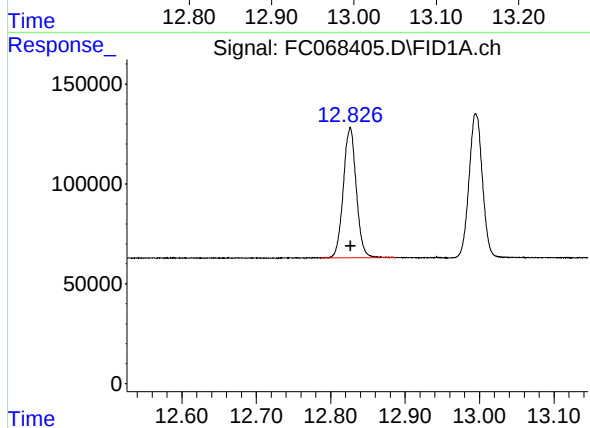
#10 n-Eicosane (C20)

R.T.: 12.385 min
Delta R.T.: -0.002 min
Response: 917135
Conc: 5.45 ug/ml



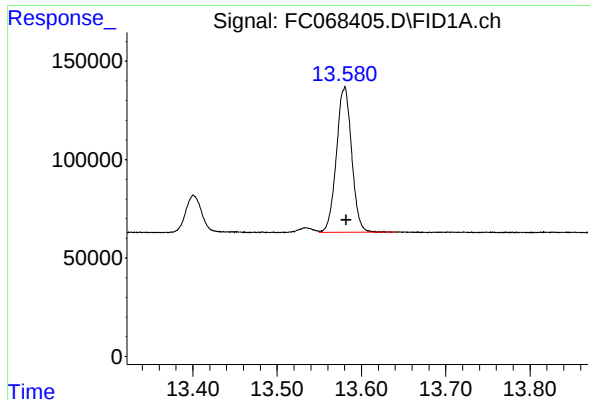
#11 n-Heneicosane (C21)

R.T.: 12.995 min
Delta R.T.: -0.002 min
Response: 897688
Conc: 5.45 ug/ml



#12 1-chlorooctadecane (SURR)

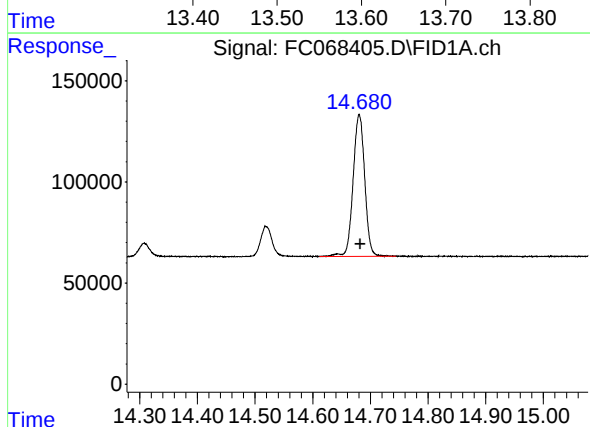
R.T.: 12.826 min
Delta R.T.: -0.001 min
Response: 787660
Conc: 5.36 ug/ml



#13 n-Docosane (C22)

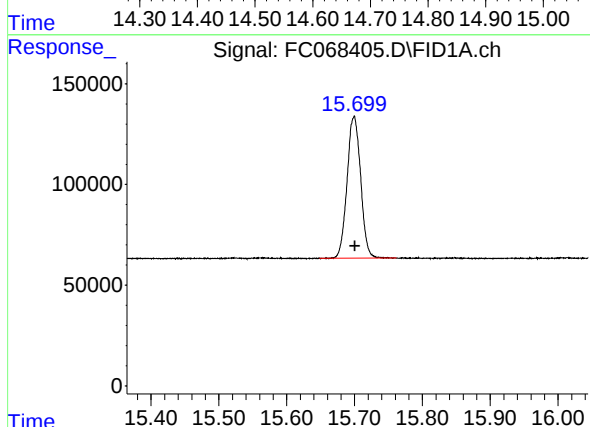
R.T.: 13.580 min
Delta R.T.: -0.002 min
Response: 924581
Conc: 5.62 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



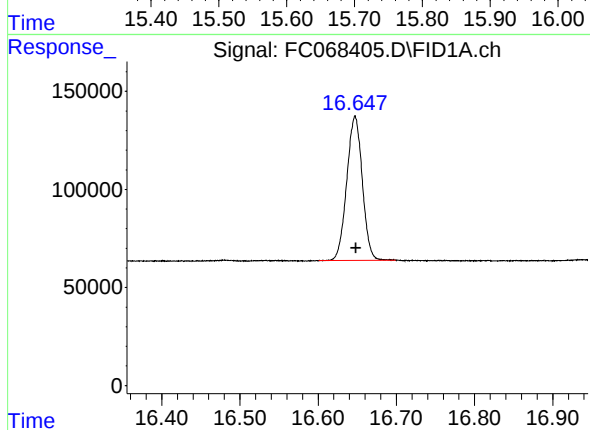
#14 n-Tetracosane (C24)

R.T.: 14.681 min
Delta R.T.: -0.002 min
Response: 982703
Conc: 5.96 ug/ml



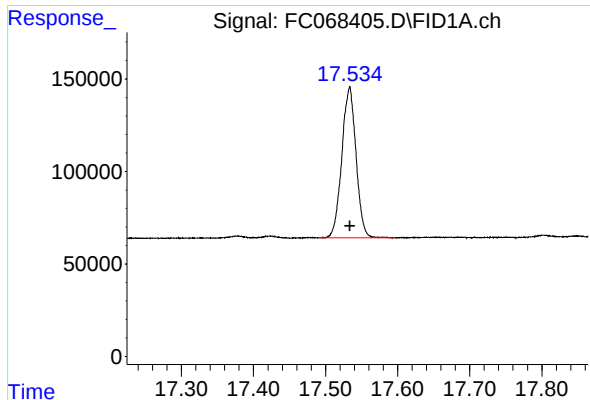
#15 n-Hexacosane (C26)

R.T.: 15.699 min
Delta R.T.: -0.001 min
Response: 982054
Conc: 6.09 ug/ml



#16 n-Octacosane (C28)

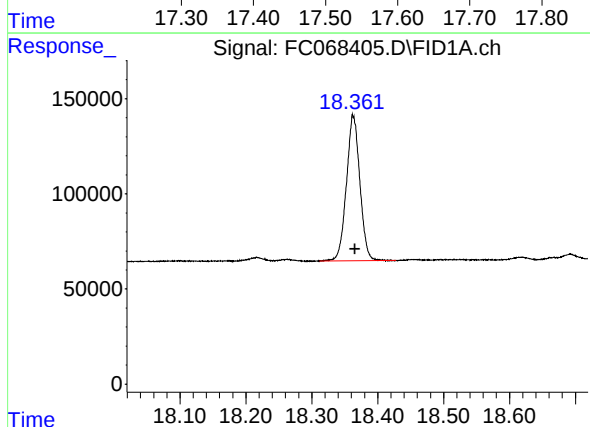
R.T.: 16.647 min
Delta R.T.: -0.001 min
Response: 1018857
Conc: 6.45 ug/ml



#17 n-Tricontane (C30)

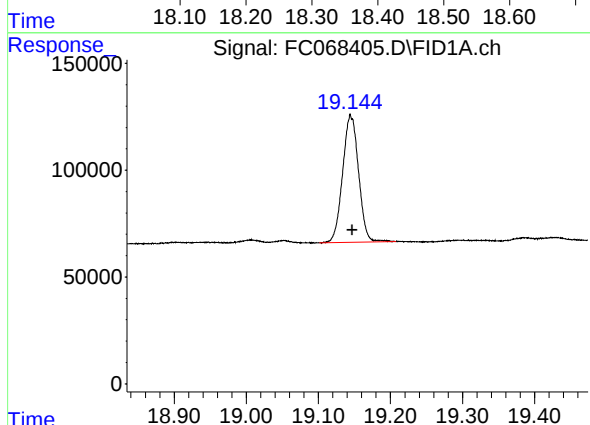
R.T.: 17.533 min
Delta R.T.: -0.001 min
Response: 1117126
Conc: 6.89 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



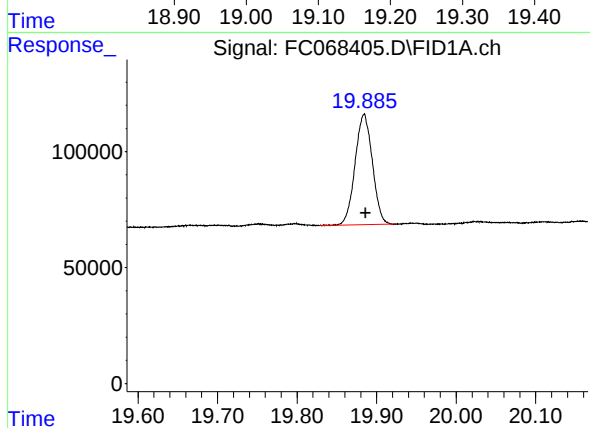
#18 n-Dotriacontane (C32)

R.T.: 18.363 min
Delta R.T.: -0.002 min
Response: 1085377
Conc: 7.00 ug/ml



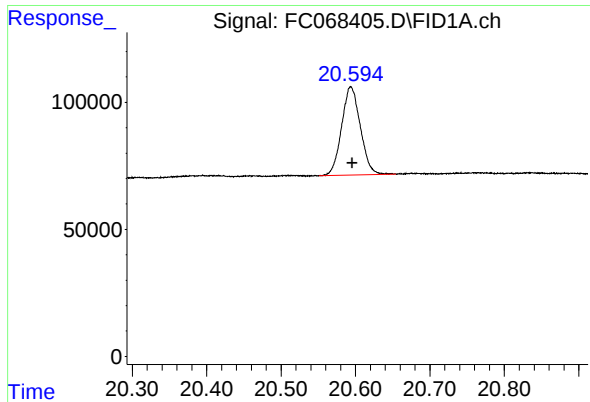
#19 n-Tetratriacontane (C34)

R.T.: 19.145 min
Delta R.T.: -0.002 min
Response: 914648
Conc: 6.60 ug/ml



#20 n-Hexatriacontane (C36)

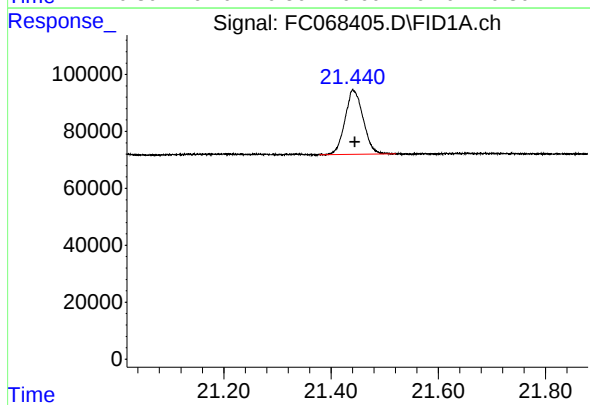
R.T.: 19.884 min
Delta R.T.: -0.002 min
Response: 718338
Conc: 6.14 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.594 min
Delta R.T.: -0.002 min
Response: 606676
Conc: 5.84 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.442 min
Delta R.T.: -0.003 min
Response: 527594
Conc: 5.49 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068405.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:59
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 032625.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	3.200	3.171	3.261	BB	95009	819968	73.40%	4.252%
2	4.255	4.224	4.318	BB	88062	821987	73.58%	4.262%
3	5.821	5.794	5.901	BB	84303	868483	77.74%	4.503%
4	6.261	6.228	6.324	BB	82314	838336	75.04%	4.347%
5	6.872	6.838	6.958	BB	70545	818798	73.30%	4.245%
6	8.048	8.008	8.111	BB	74911	823942	73.76%	4.272%
7	9.643	9.611	9.711	BB	72124	866146	77.53%	4.491%
8	11.080	11.051	11.144	BB	75142	907661	81.25%	4.706%
9	11.383	11.348	11.444	BB	90389	1040771	93.17%	5.396%
10	12.385	12.351	12.448	BB	78929	917135	82.10%	4.755%
11	12.826	12.784	12.888	BB	64234	787660	70.51%	4.084%
12	12.995	12.958	13.051	BB	72551	897688	80.36%	4.654%
13	13.580	13.550	13.641	VB	74173	924581	82.76%	4.794%
14	14.681	14.611	14.744	BB	70161	982703	87.97%	5.095%
15	15.699	15.648	15.761	BB	69966	982054	87.91%	5.092%
16	16.647	16.601	16.699	BBA	73620	1018857	91.20%	5.283%
17	17.533	17.491	17.598	BB	81984	1117126	100.00%	5.792%
18	18.363	18.311	18.428	BB	75142	1085377	97.16%	5.628%
19	19.145	19.101	19.208	BB	59372	914648	81.88%	4.742%
20	19.884	19.828	19.924	BB	47750	718338	64.30%	3.725%
21	20.594	20.551	20.654	BB	34654	606676	54.31%	3.146%
22	21.442	21.378	21.521	BB	22563	527594	47.23%	2.736%
Sum of corrected areas:							19286529	

Aliphatic EPH 032625.M Wed Mar 26 15:17:56 2025

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	20 PPM ALIPHATIC HC S'	Acq On:	26 Mar 2025 13:36
Client Sample ID:	20 PPM ALIPHATIC HC S'	Operator:	YP/AJ
Data file:	FC068406.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	3.099	6.361	13910263	85.697	300	ug/ml
Aliphatic C12-C16	6.362	9.744	10686463	63.536	200	ug/ml
Aliphatic C16-C21	9.745	13.097	10906162	63.589	300	ug/ml
Aliphatic C21-C28	13.098	16.748	13889989	82.253	400	ug/ml
Aliphatic C28-C40	16.749	21.545	16795278	123.339	600	ug/ml
Aliphatic EPH	3.099	21.545	66188155	418.414		ug/ml
ortho-Terphenyl (SURR)	11.385	11.385	4184619	21.07		ug/ml
1-chlorooctadecane (SURR)	12.827	12.827	3169108	21.26		ug/ml
Aliphatic C9-C28	3.099	16.748	49392877	295.075	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
 Data File : FC068406.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 13:36
 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: Mar 26 15:08:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 26 13:35:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.385	4184619	21.067 ug/ml
Spiked Amount 50.000		Recovery =	42.13%
12) S 1-chlorooctadecane (S...	12.827	3169108	21.259 ug/ml
Spiked Amount 50.000		Recovery =	42.52%
Target Compounds			
1) T n-Nonane (C9)	3.199	3345481	20.917 ug/ml
2) T n-Decane (C10)	4.255	3402627	20.990 ug/ml
3) T A~Naphthalene (C11.7)	5.819	3710999	21.004 ug/ml
4) T n-Dodecane (C12)	6.261	3451156	20.928 ug/ml
5) T A~2-methylnaphthalene...	6.871	3589505	21.103 ug/ml
6) T n-Tetradecane (C14)	8.049	3457908	21.016 ug/ml
7) T n-Hexadecane (C16)	9.644	3639050	21.176 ug/ml
8) T n-Octadecane (C18)	11.081	3725197	21.223 ug/ml
10) T n-Eicosane (C20)	12.386	3623685	21.158 ug/ml
11) T n-Heneicosane (C21)	12.997	3557280	21.207 ug/ml
13) T n-Docosane (C22)	13.581	3546383	21.022 ug/ml
14) T n-Tetracosane (C24)	14.682	3528543	20.603 ug/ml
15) T n-Hexacosane (C26)	15.700	3433946	20.403 ug/ml
16) T n-Octacosane (C28)	16.649	3381117	20.221 ug/ml
17) T n-Tricontane (C30)	17.535	3518206	20.178 ug/ml
18) T n-Dotriacontane (C32)	18.365	3395540	20.284 ug/ml
19) T n-Tetratriacontane (C34)	19.148	3029523	20.539 ug/ml
20) T n-Hexatriacontane (C36)	19.885	2556410	20.889 ug/ml
21) T n-Octatriacontane (C38)	20.597	2239784	20.857 ug/ml
22) T n-Tetracontane (C40)	21.443	2055815	20.976 ug/ml

(f)=RT Delta > 1/2 Window

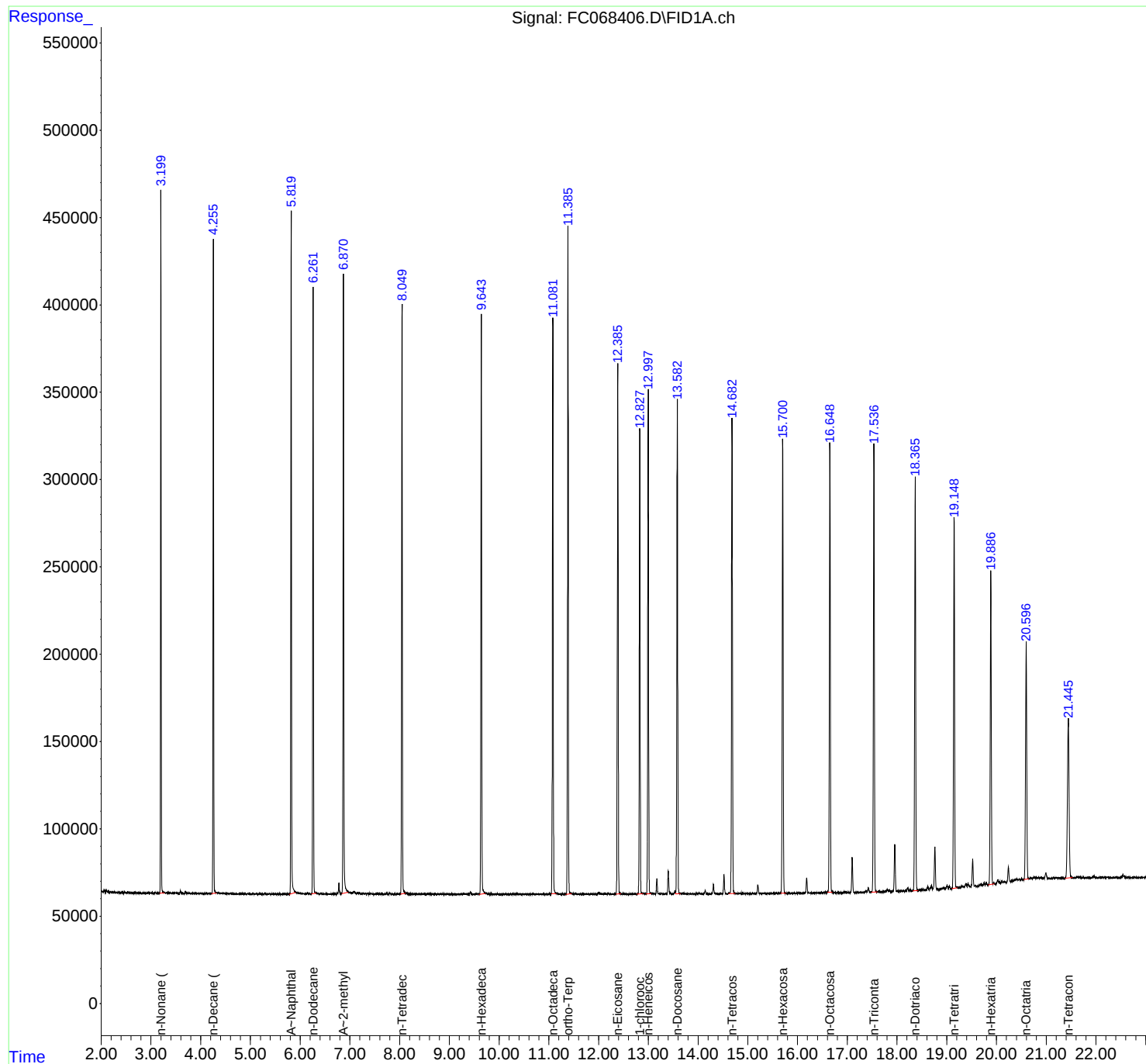
(m)=manual int.

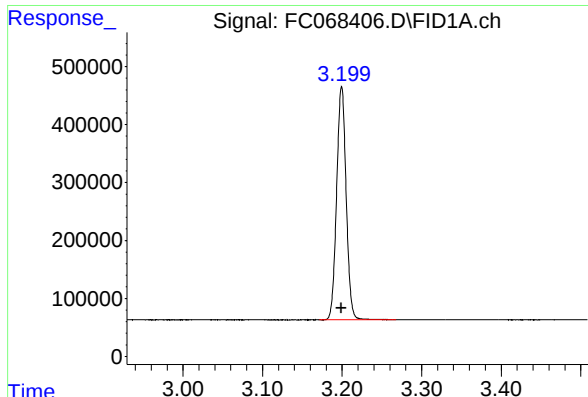
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068406.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 13:36
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Mar 26 15:08:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

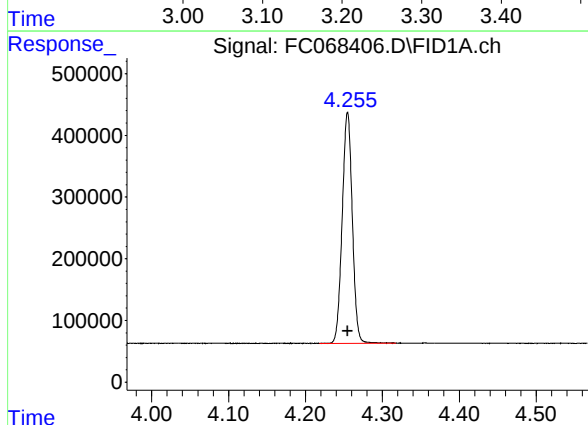




#1 n-Nonane (C9)

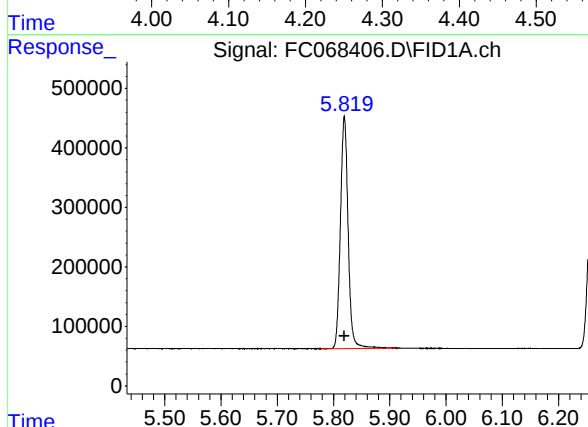
R.T.: 3.199 min
Delta R.T.: 0.000 min
Response: 3345481
Conc: 20.92 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



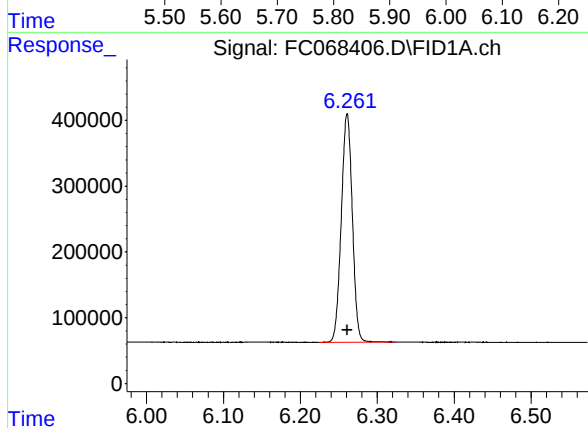
#2 n-Decane (C10)

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 3402627
Conc: 20.99 ug/ml



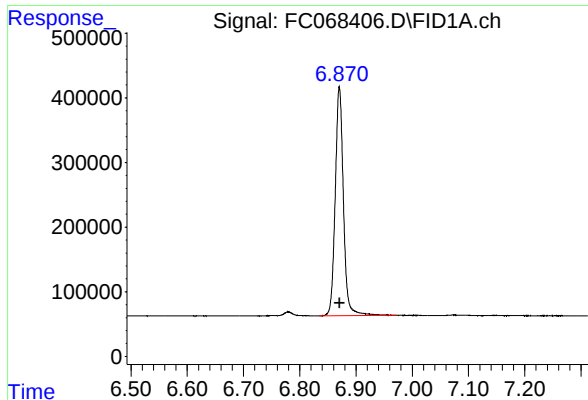
#3 A~Naphthalene (C11.7)

R.T.: 5.819 min
Delta R.T.: 0.000 min
Response: 3710999
Conc: 21.00 ug/ml



#4 n-Dodecane (C12)

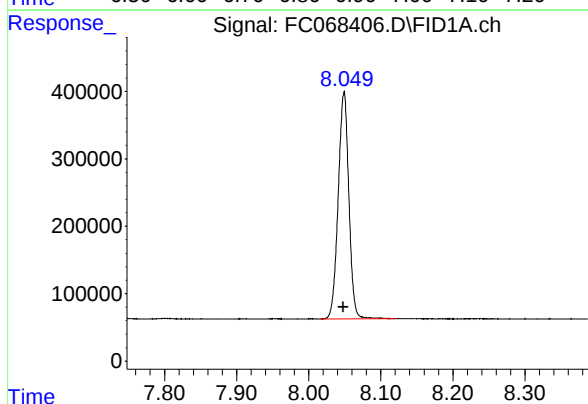
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 3451156
Conc: 20.93 ug/ml



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

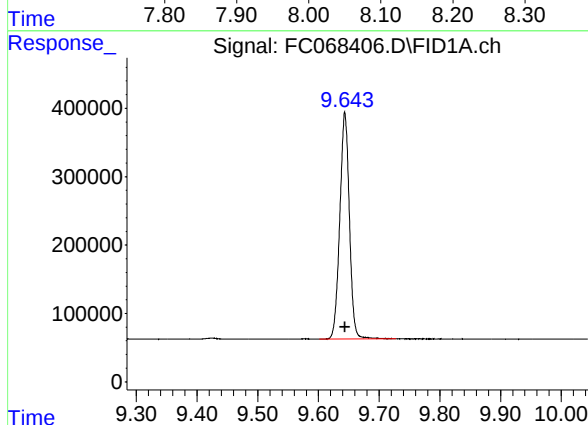
R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 3589505
Conc: 21.10 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



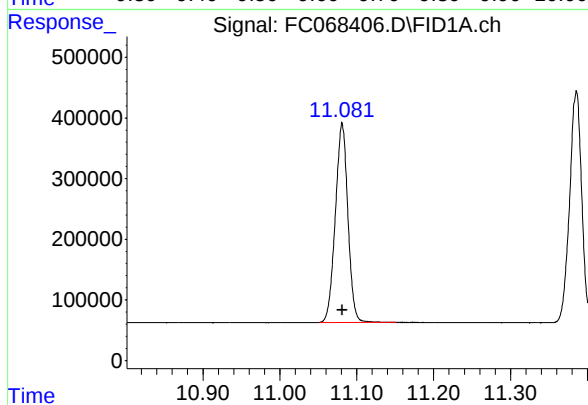
#6 n-Tetradecane (C14)

R.T.: 8.049 min
Delta R.T.: 0.000 min
Response: 3457908
Conc: 21.02 ug/ml



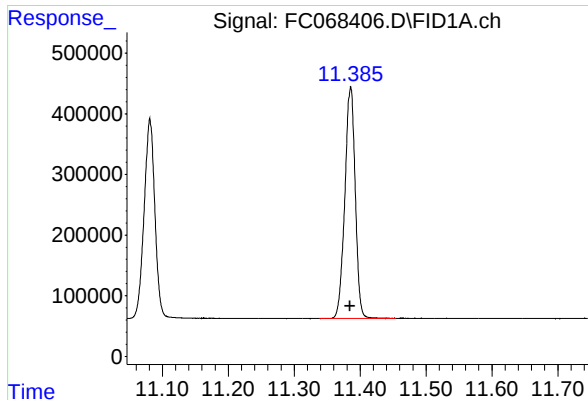
#7 n-Hexadecane (C16)

R.T.: 9.644 min
Delta R.T.: 0.000 min
Response: 3639050
Conc: 21.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.081 min
Delta R.T.: 0.000 min
Response: 3725197
Conc: 21.22 ug/ml



#9 ortho-Terphenyl (SURR)

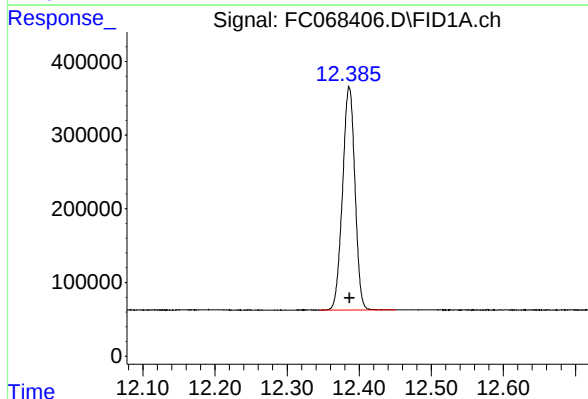
R.T.: 11.385 min
Delta R.T.: 0.000 min
Response: 4184619
Conc: 21.07 ug/ml

Instrument :

FID_C

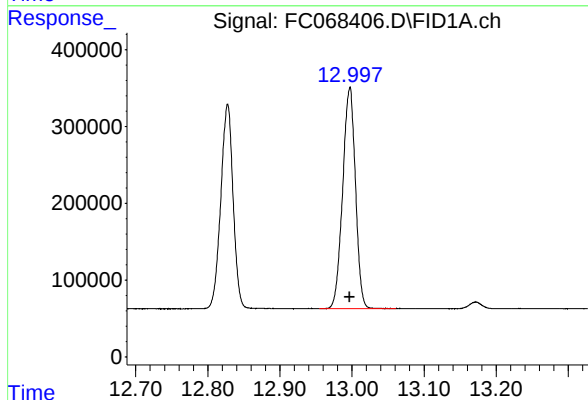
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



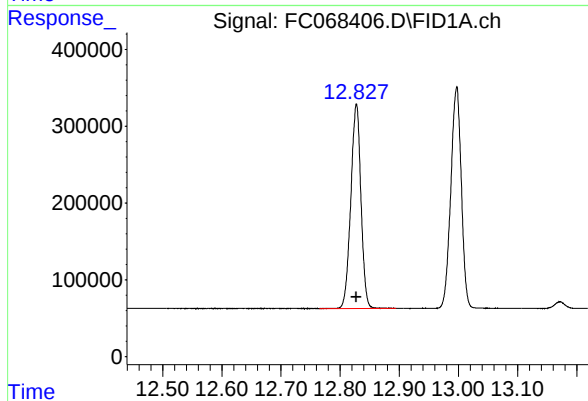
#10 n-Eicosane (C20)

R.T.: 12.386 min
Delta R.T.: 0.000 min
Response: 3623685
Conc: 21.16 ug/ml



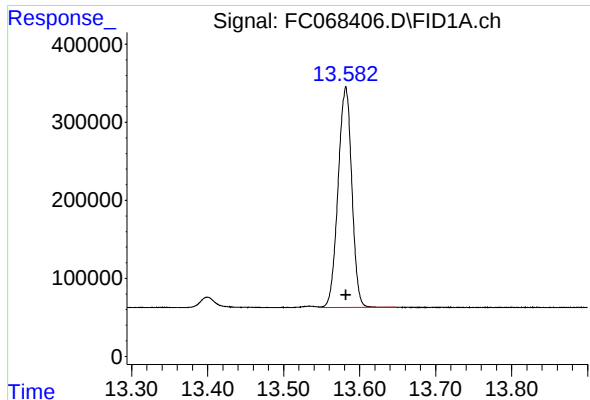
#11 n-Heneicosane (C21)

R.T.: 12.997 min
Delta R.T.: 0.000 min
Response: 3557280
Conc: 21.21 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.827 min
Delta R.T.: 0.000 min
Response: 3169108
Conc: 21.26 ug/ml



#13 n-Docosane (C22)

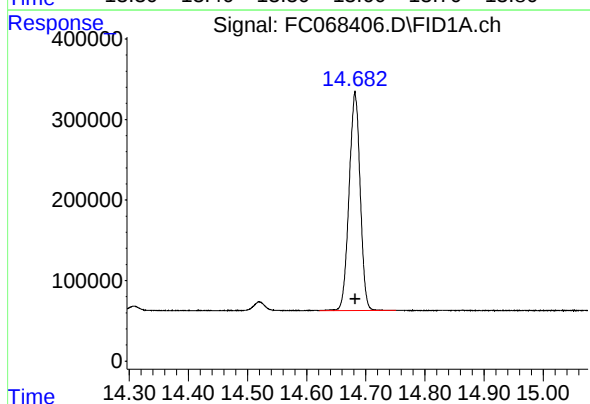
R.T.: 13.581 min
Delta R.T.: 0.000 min
Response: 3546383
Conc: 21.02 ug/ml

Instrument :

FID_C

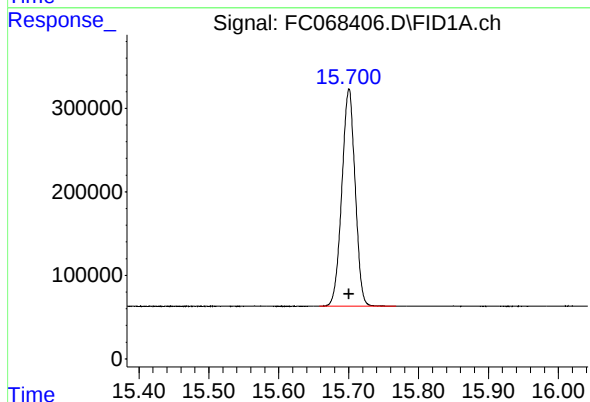
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



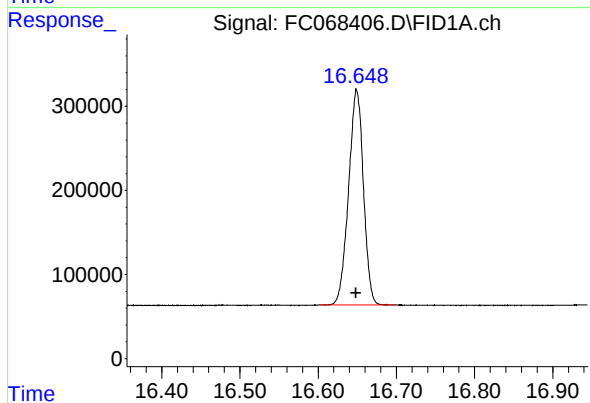
#14 n-Tetracosane (C24)

R.T.: 14.682 min
Delta R.T.: 0.000 min
Response: 3528543
Conc: 20.60 ug/ml



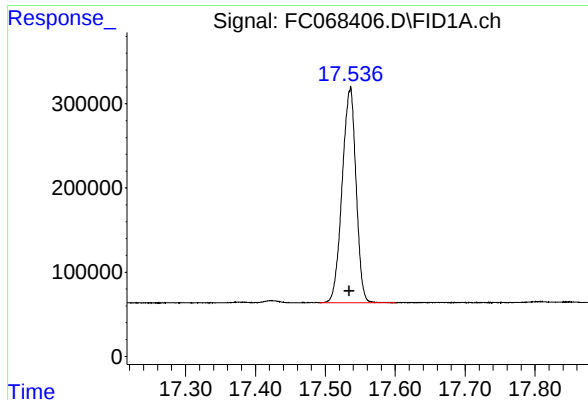
#15 n-Hexacosane (C26)

R.T.: 15.700 min
Delta R.T.: 0.000 min
Response: 3433946
Conc: 20.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.649 min
Delta R.T.: 0.001 min
Response: 3381117
Conc: 20.22 ug/ml



#17 n-Tricontane (C30)

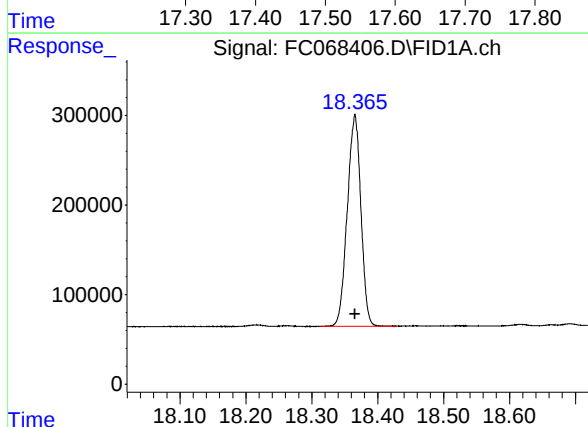
R.T.: 17.535 min
Delta R.T.: 0.000 min
Response: 3518206
Conc: 20.18 ug/ml

Instrument :

FID_C

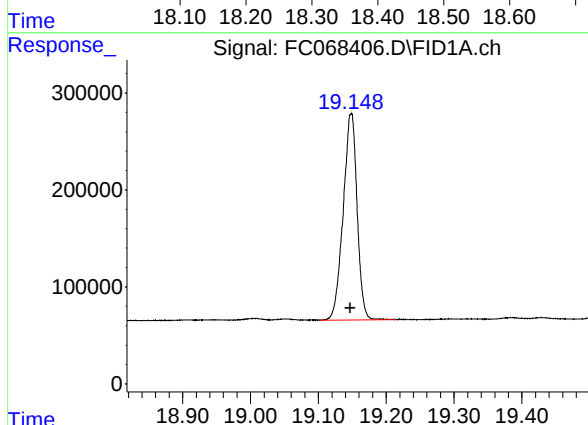
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



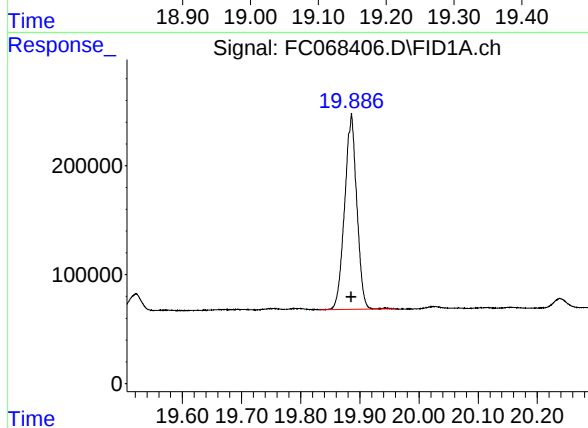
#18 n-Dotriacontane (C32)

R.T.: 18.365 min
Delta R.T.: 0.000 min
Response: 3395540
Conc: 20.28 ug/ml



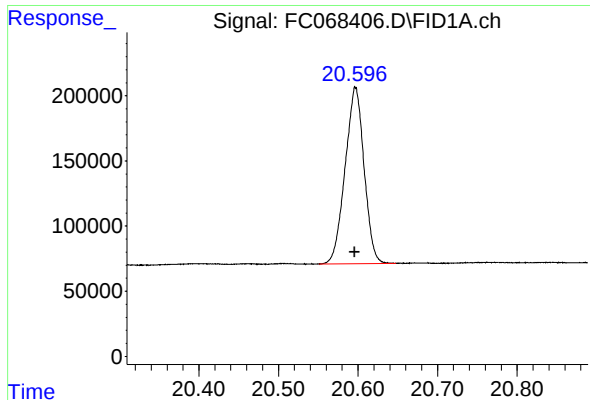
#19 n-Tetatriacontane (C34)

R.T.: 19.148 min
Delta R.T.: 0.000 min
Response: 3029523
Conc: 20.54 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.885 min
Delta R.T.: 0.000 min
Response: 2556410
Conc: 20.89 ug/ml



#21 n-Octatriacontane (C38)

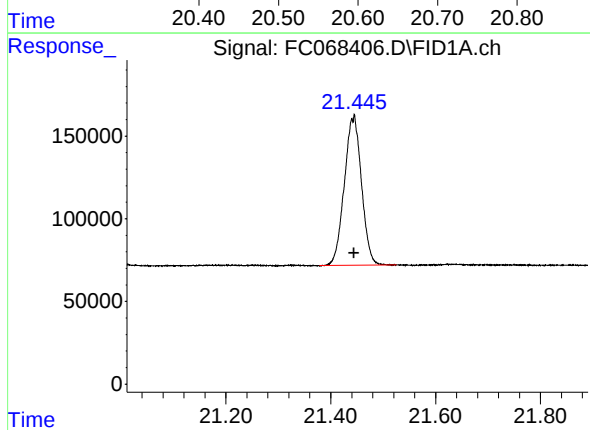
R.T.: 20.597 min
Delta R.T.: 0.001 min
Response: 2239784
Conc: 20.86 ug/ml

Instrument :

FID_C

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.443 min
Delta R.T.: -0.001 min
Response: 2055815
Conc: 20.98 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068406.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 13:36
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 032625.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	3.199	3.171	3.268	BB	400920	3345481	79.95%	4.549%
2	4.255	4.218	4.318	BB	374377	3402627	81.31%	4.627%
3	5.819	5.774	5.911	BB	385060	3710999	88.68%	5.046%
4	6.261	6.224	6.324	BB	347782	3451156	82.47%	4.693%
5	6.871	6.834	6.971	BB	353264	3589505	85.78%	4.881%
6	8.049	8.014	8.121	BB	333413	3457908	82.63%	4.702%
7	9.644	9.601	9.728	BB	328720	3639050	86.96%	4.948%
8	11.081	11.051	11.151	BB	327947	3725197	89.02%	5.065%
9	11.385	11.338	11.454	BB	378645	4184619	100.00%	5.690%
10	12.386	12.344	12.451	BB	303646	3623685	86.60%	4.927%
11	12.827	12.764	12.894	BB	267436	3169108	75.73%	4.309%
12	12.997	12.954	13.061	BB	290830	3557280	85.01%	4.837%
13	13.581	13.547	13.648	VB	280698	3546383	84.75%	4.822%
14	14.682	14.621	14.751	BB	269951	3528543	84.32%	4.798%
15	15.700	15.658	15.768	BB	261469	3433946	82.06%	4.669%
16	16.649	16.601	16.699	BBA	252617	3381117	80.80%	4.598%
17	17.535	17.491	17.601	BB	252856	3518206	84.07%	4.784%
18	18.365	18.311	18.428	BB	233659	3395540	81.14%	4.617%
19	19.148	19.101	19.214	BB	213686	3029523	72.40%	4.119%
20	19.885	19.831	19.961	BB	172391	2556410	61.09%	3.476%
21	20.597	20.551	20.648	BB	135273	2239784	53.52%	3.046%
22	21.443	21.378	21.524	BB	90309	2055815	49.13%	2.795%
Sum of corrected areas:							73541882	

Aliphatic EPH 032625.M Wed Mar 26 15:17:11 2025

Initial Calibration Report for SequenceID : FF031725AL

AreaCount

Parameter Range	FF015685.D	FF015686.D	FF015687.D	FF015688.D	FF015689.D	
Aliphatic C9-C12	35791753.000	18596208.000	8058326.000	4004912.000	1968689.000	
Aliphatic C12-C16	24749935.000	12856373.000	5564326.000	2740629.000	1296185.000	
Aliphatic C16-C21	37540731.000	19647990.000	8562154.000	4228203.000	2056604.000	
Aliphatic C21-C28	47415607.000	25387224.000	11186676.000	5615235.000	2714034.000	
Aliphatic C28-C40	55895010.000	30012799.000	13810725.000	6857806.000	3544442.000	
Aliphatic EPH	201393036.000	106500594.000	47182207.000	23446785.000	11579954.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	128465.799333	5.093				
Aliphatic C12-C16	131614.301	4.815				
Aliphatic C16-C21	135374.393998	5.375				
Aliphatic C21-C28	132278.2325	7.089				
Aliphatic C28-C40	108147.044333	10.091				
Aliphatic EPH	124041.354333	6.861				

Concentration

Parameter Range	FF015685.D	FF015686.D	FF015687.D	FF015688.D	FF015689.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	FF015685.D	FF015686.D	FF015687.D	FF015688.D	FF015689.D	
Aliphatic C9-C12	119305.843333	123974.720000	134305.433333	133497.066666	131245.933333	
Aliphatic C12-C16	123749.675000	128563.730000	139108.150000	137031.450000	129618.500000	
Aliphatic C16-C21	125135.770000	130986.600000	142702.566666	140940.100000	137106.933333	

Initial Calibration Report for SequenceID : FF031725AL

Aliphatic C21-C28	118539.017500	126936.120000	139833.450000	140380.875000	135701.700000	
Aliphatic C28-C40	93158.350000	100042.663333	115089.375000	114296.766666	118148.066666	
Aliphatic EPH	111885.020000	118333.993333	131061.686111	130259.916666	128666.155555	

Lab Sample ID: 100 PPM ALIPHATIC HC

Acq On: 17 Mar 2025 17:32

Client Sample ID:

Operator: YPAJ

Data file: FF015685.D

Misc:

Instrument: FID_F

ALS Vial: 21

Dilution Factor: 1

Sample Multiplier: 1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.209	6.833	35791753.000	300.000	ug/ml
Aliphatic C12-C16	6.834	10.268	24749935.000	200.000	ug/ml
Aliphatic C16-C21	10.269	13.635	37540731.000	300.000	ug/ml
Aliphatic C21-C28	13.636	17.300	47415607.000	400.000	ug/ml
Aliphatic C28-C40	17.301	22.197	55895010.000	600.000	ug/ml
Aliphatic EPH	3.209		201393036.000	1800.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015685.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 17:32
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Mar 18 02:21:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:20:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.944	13992114	87.482 ug/ml
Spiked Amount 50.000		Recovery =	174.96%
12) S 1-chlorooctadecane (S...	13.377	10671595	89.038 ug/ml
Spiked Amount 50.000		Recovery =	178.08%
Target Compounds			
1) T n-Nonane (C9)	3.312	11714769	88.735 ug/ml
2) T n-Decane (C10)	4.570	11941532	88.896 ug/ml
3) T A~Naphthalene (C11.7)	6.279	12962083	92.903 ug/ml
4) T n-Dodecane (C12)	6.737	12135452	88.863 ug/ml
5) T A~2-methylnaphthalene...	7.376	12513053	95.678 ug/ml
6) T n-Tetradecane (C14)	8.565	12139898	88.866 ug/ml
7) T n-Hexadecane (C16)	10.174	12610037	89.050 ug/ml
8) T n-Octadecane (C18)	11.620	12845153	88.388 ug/ml
10) T n-Eicosane (C20)	12.930	12429970	87.508 ug/ml
11) T n-Heneicosane (C21)	13.543	12265608	87.152 ug/ml
13) T n-Docosane (C22)	14.130	12185094	86.337 ug/ml
14) T n-Tetracosane (C24)	15.234	12072256	85.404 ug/ml
15) T n-Hexacosane (C26)	16.256	11767801	84.960 ug/ml
16) T n-Octacosane (C28)	17.207	11390456	82.339 ug/ml
17) T n-Tricontane (C30)	18.097	11327654	79.091 ug/ml
18) T n-Dotriacontane (C32)	18.930	10744785	77.601 ug/ml
19) T n-Tetratriacontane (C34)	19.713	9816099	78.988 ug/ml
20) T n-Hexatriacontane (C36)	20.452	8638482	81.952 ug/ml
21) T n-Octatriacontane (C38)	21.189	7910401	84.731 ug/ml
22) T n-Tetracontane (C40)	22.105	7457589	86.906 ug/ml

(f)=RT Delta > 1/2 Window

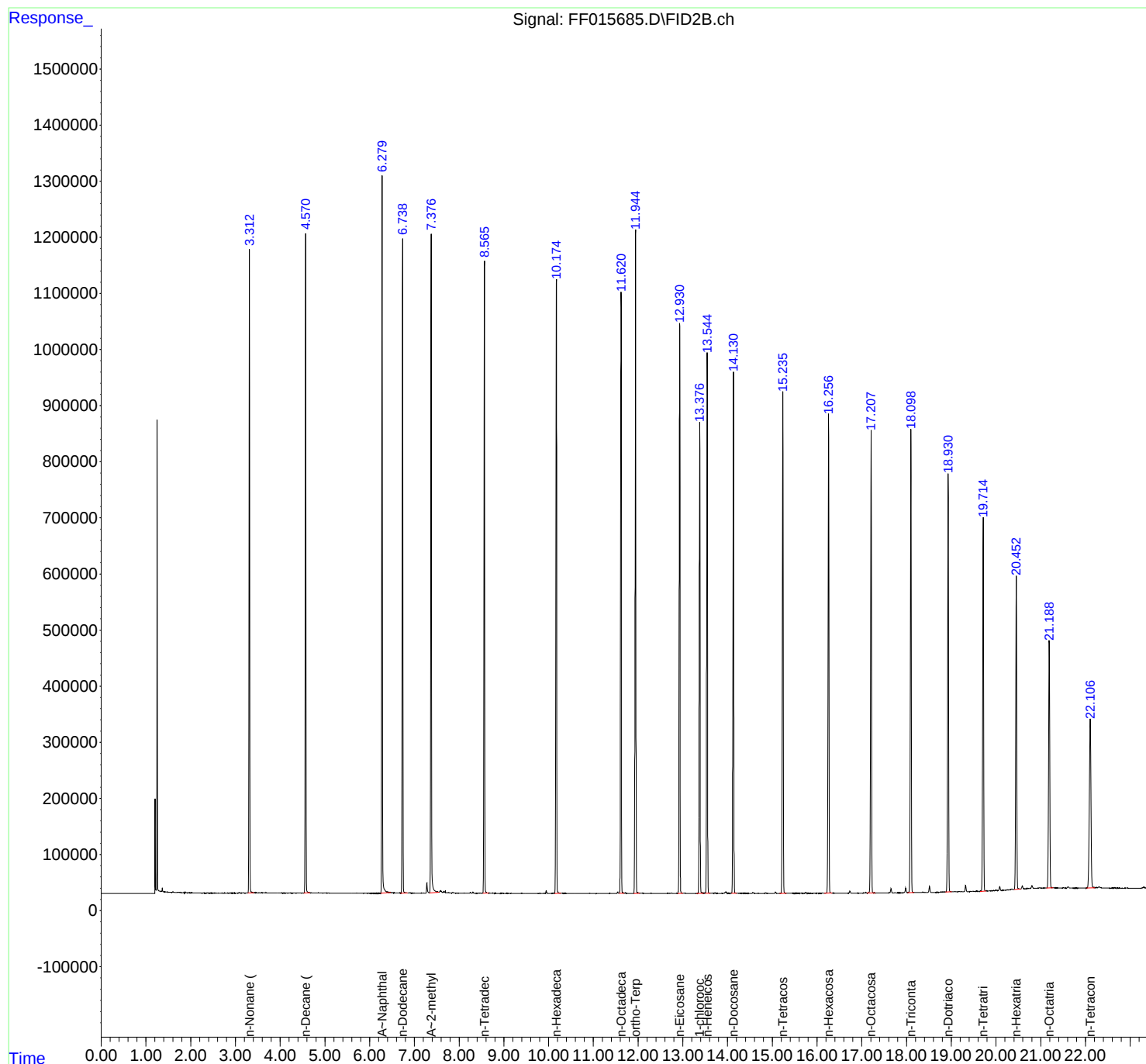
(m)=manual int.

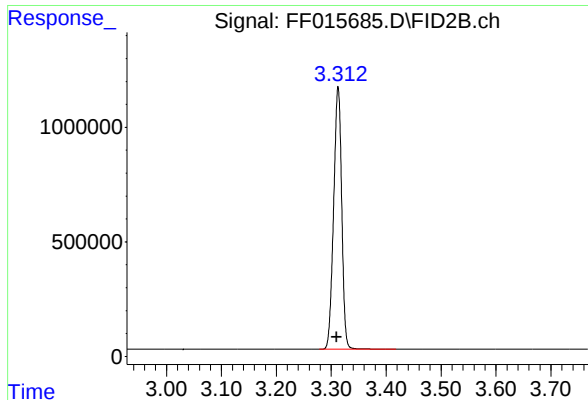
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015685.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 17:32
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Mar 18 02:21:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:20:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

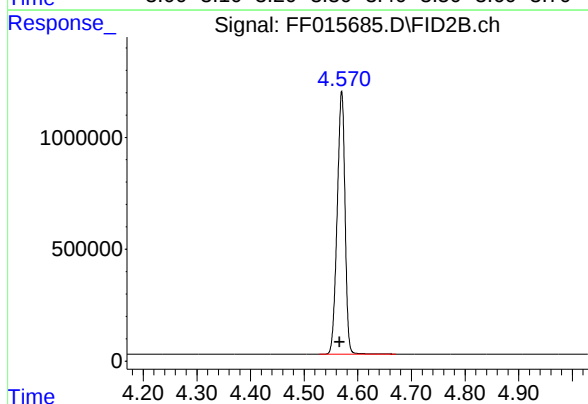




#1 n-Nonane (C9)

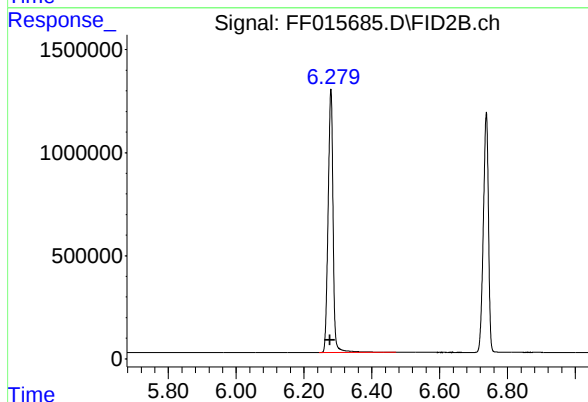
R.T.: 3.312 min
Delta R.T.: 0.002 min
Response: 11714769
Conc: 88.73 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



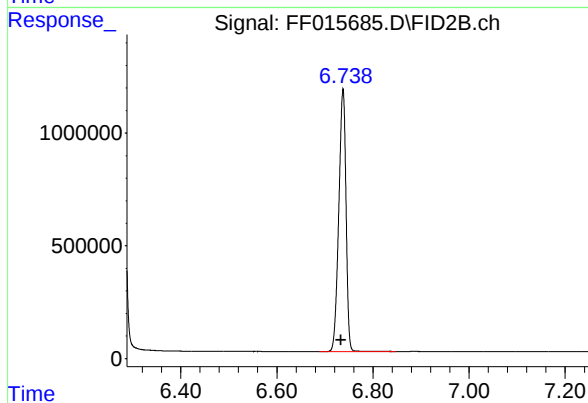
#2 n-Decane (C10)

R.T.: 4.570 min
Delta R.T.: 0.004 min
Response: 11941532
Conc: 88.90 ug/ml



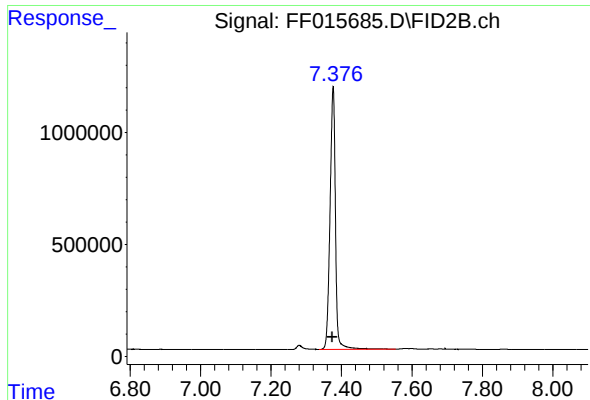
#3 A~Naphthalene (C11.7)

R.T.: 6.279 min
Delta R.T.: 0.003 min
Response: 12962083
Conc: 92.90 ug/ml



#4 n-Dodecane (C12)

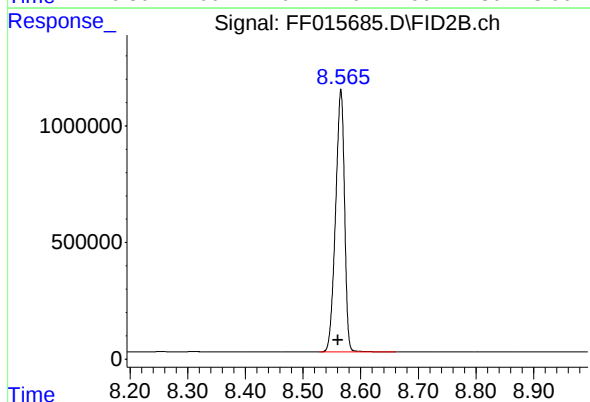
R.T.: 6.737 min
Delta R.T.: 0.004 min
Response: 12135452
Conc: 88.86 ug/ml



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

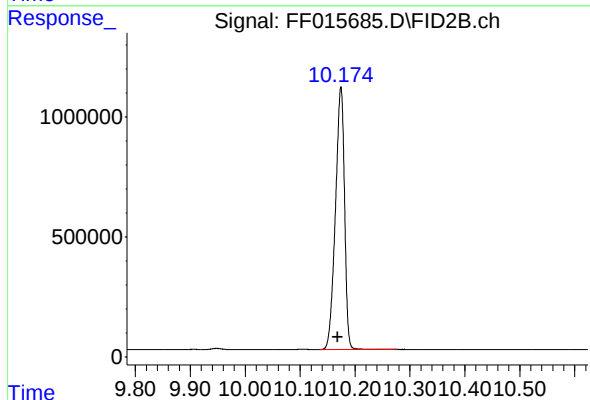
R.T.: 7.376 min
Delta R.T.: 0.002 min
Response: 12513053
Conc: 95.68 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



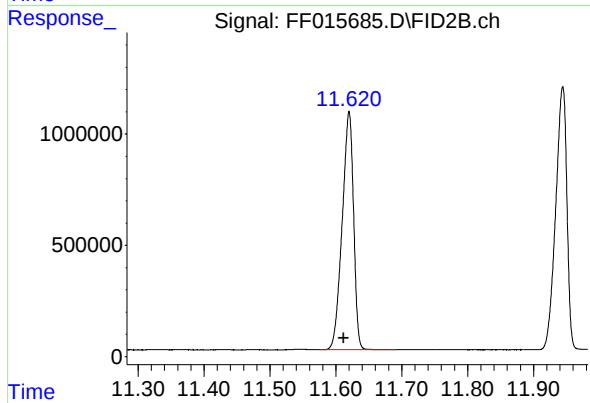
#6 n-Tetradecane (C14)

R.T.: 8.565 min
Delta R.T.: 0.005 min
Response: 12139898
Conc: 88.87 ug/ml



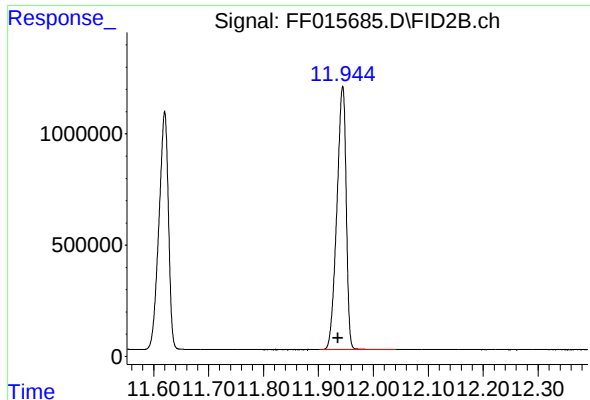
#7 n-Hexadecane (C16)

R.T.: 10.174 min
Delta R.T.: 0.006 min
Response: 12610037
Conc: 89.05 ug/ml



#8 n-Octadecane (C18)

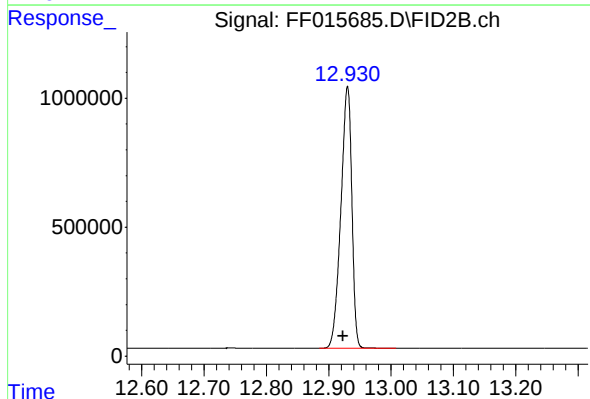
R.T.: 11.620 min
Delta R.T.: 0.008 min
Response: 12845153
Conc: 88.39 ug/ml



#9 ortho-Terphenyl (SURR)

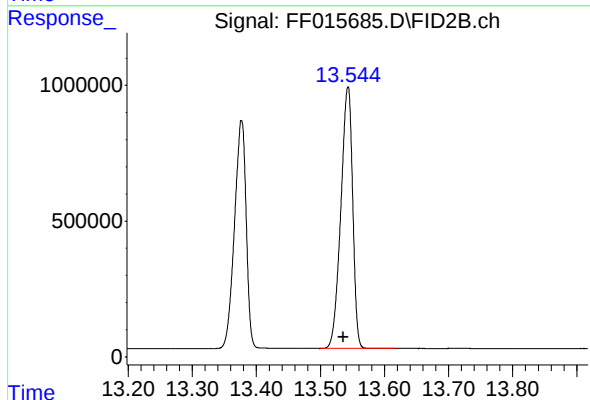
R.T.: 11.944 min
Delta R.T.: 0.008 min
Response: 13992114
Conc: 87.48 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



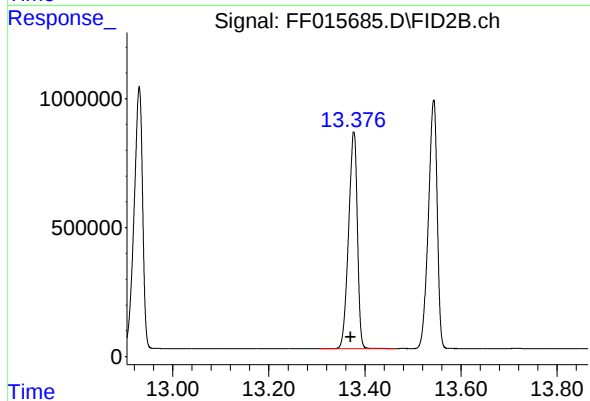
#10 n-Eicosane (C20)

R.T.: 12.930 min
Delta R.T.: 0.007 min
Response: 12429970
Conc: 87.51 ug/ml



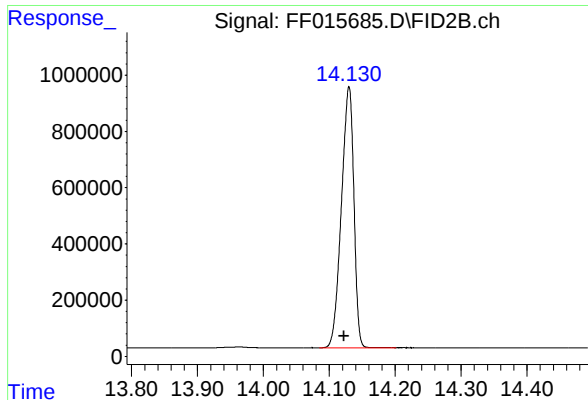
#11 n-Heneicosane (C21)

R.T.: 13.543 min
Delta R.T.: 0.007 min
Response: 12265608
Conc: 87.15 ug/ml



#12 1-chlorooctadecane (SURR)

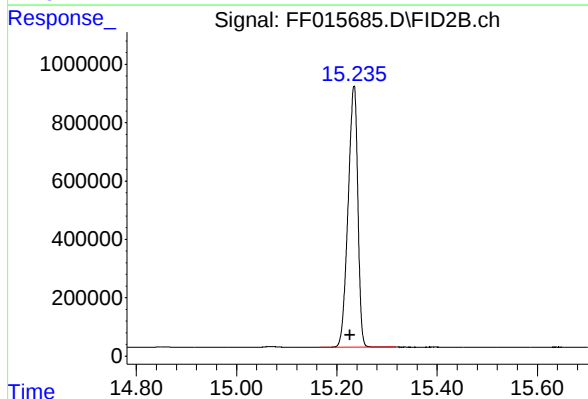
R.T.: 13.377 min
Delta R.T.: 0.006 min
Response: 10671595
Conc: 89.04 ug/ml



#13 n-Docosane (C22)

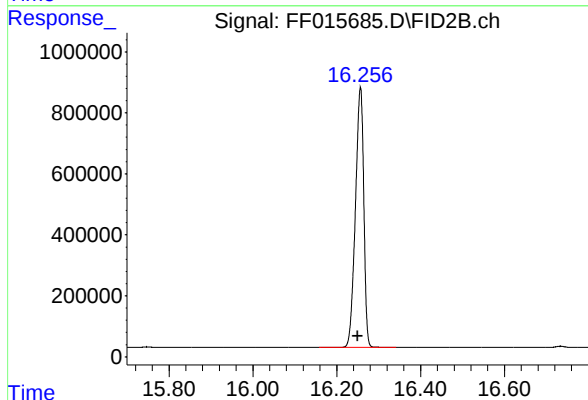
R.T.: 14.130 min
Delta R.T.: 0.007 min
Response: 12185094
Conc: 86.34 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



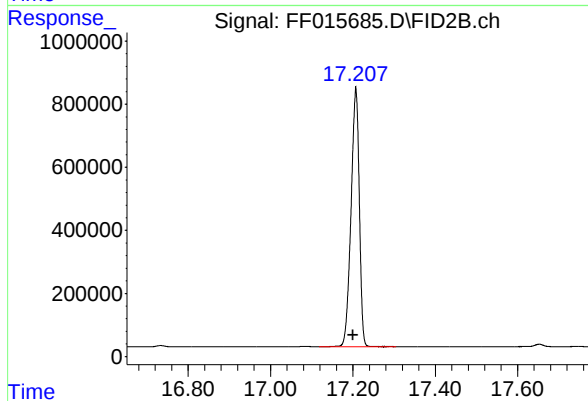
#14 n-Tetracosane (C24)

R.T.: 15.234 min
Delta R.T.: 0.007 min
Response: 12072256
Conc: 85.40 ug/ml



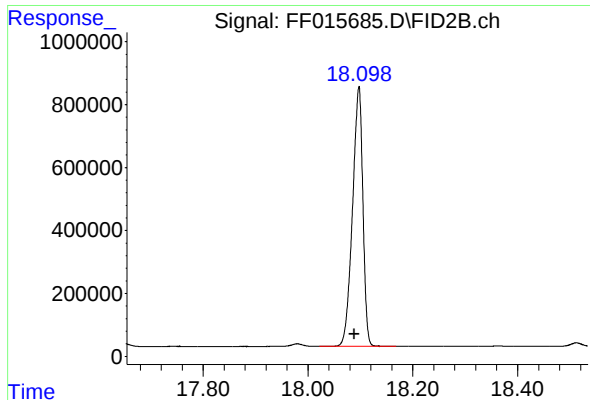
#15 n-Hexacosane (C26)

R.T.: 16.256 min
Delta R.T.: 0.007 min
Response: 11767801
Conc: 84.96 ug/ml



#16 n-Octacosane (C28)

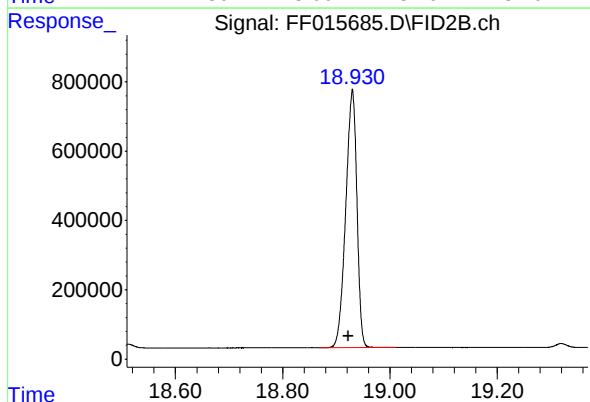
R.T.: 17.207 min
Delta R.T.: 0.007 min
Response: 11390456
Conc: 82.34 ug/ml



#17 n-Tricontane (C30)

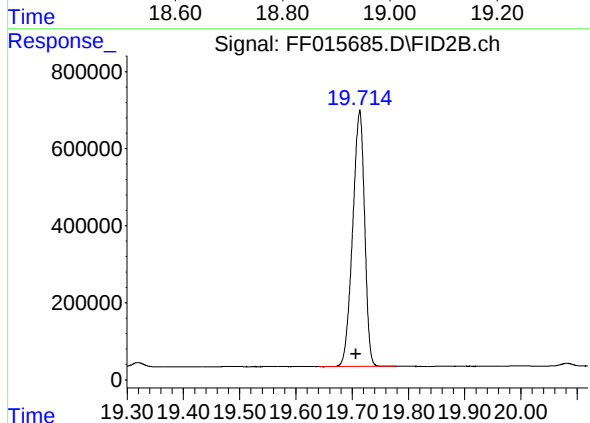
R.T.: 18.097 min
Delta R.T.: 0.008 min
Response: 11327654
Conc: 79.09 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



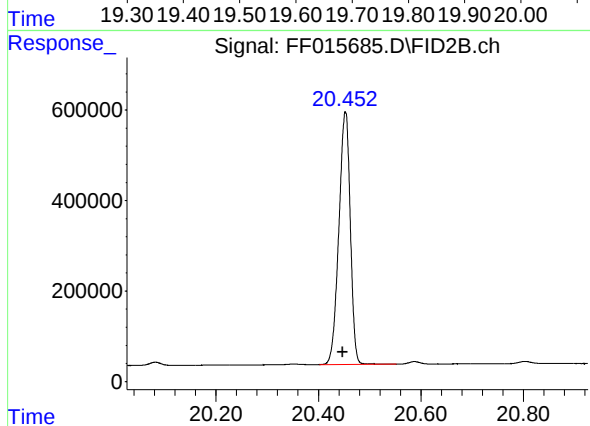
#18 n-Dotriacontane (C32)

R.T.: 18.930 min
Delta R.T.: 0.007 min
Response: 10744785
Conc: 77.60 ug/ml



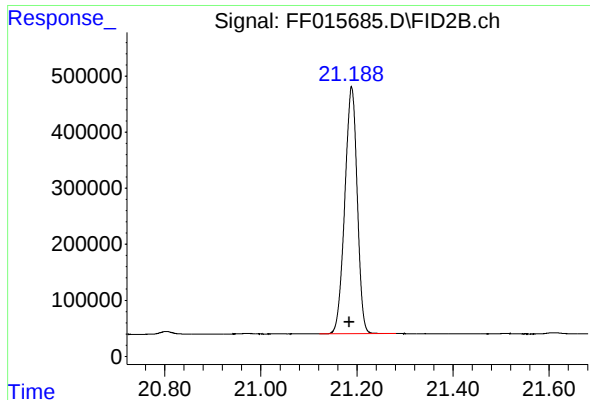
#19 n-Tetratriacontane (C34)

R.T.: 19.713 min
Delta R.T.: 0.007 min
Response: 9816099
Conc: 78.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.452 min
Delta R.T.: 0.005 min
Response: 8638482
Conc: 81.95 ug/ml



#21 n-Octatriacontane (C38)

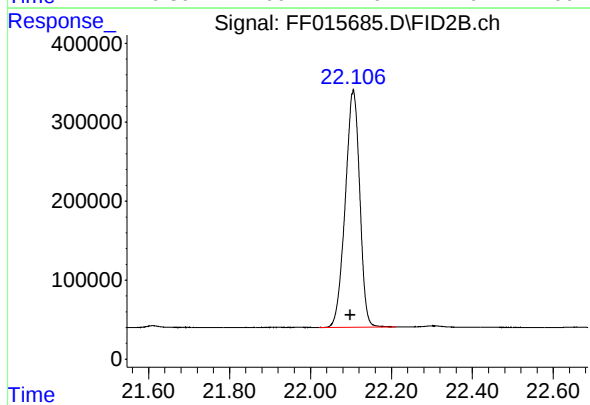
R.T.: 21.189 min
Delta R.T.: 0.005 min
Response: 7910401
Conc: 84.73 ug/ml

Instrument :

FID_F

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.105 min
Delta R.T.: 0.006 min
Response: 7457589
Conc: 86.91 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015685.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 17:32
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.312	3.278	3.418	BB	1140419	11714769	83.72%	4.657%
2	4.570	4.528	4.671	BB	1183155	11941532	85.34%	4.748%
3	6.279	6.245	6.471	BB	1265304	12962083	92.64%	5.153%
4	6.737	6.688	6.848	BB	1167232	12135452	86.73%	4.825%
5	7.376	7.336	7.555	PV	1159355	12513053	89.43%	4.975%
6	8.565	8.528	8.661	BB	1116147	12139898	86.76%	4.826%
7	10.174	10.135	10.275	BB	1098848	12610037	90.12%	5.013%
8	11.620	11.575	11.691	BV	1077834	12845153	91.80%	5.107%
9	11.944	11.901	12.041	BB	1191934	13992114	100.00%	5.563%
10	12.930	12.885	13.008	BB	1022308	12429970	88.84%	4.942%
11	13.377	13.305	13.465	BB	847879	10671595	76.27%	4.243%
12	13.543	13.498	13.618	BB	959532	12265608	87.66%	4.876%
13	14.130	14.085	14.201	BB	936993	12185094	87.09%	4.844%
14	15.234	15.165	15.318	BB	902498	12072256	86.28%	4.799%
15	16.256	16.158	16.341	BB	861551	11767801	84.10%	4.678%
16	17.207	17.118	17.305	BB	820300	11390456	81.41%	4.528%
17	18.097	18.021	18.168	BB	834718	11327654	80.96%	4.503%
18	18.930	18.868	19.011	BB	745001	10744785	76.79%	4.272%
19	19.713	19.641	19.778	BB	668021	9816099	70.15%	3.903%
20	20.452	20.401	20.551	BV	558857	8638482	61.74%	3.434%
21	21.189	21.121	21.281	BB	440766	7910401	56.53%	3.145%
22	22.105	22.021	22.211	BB	298780	7457589	53.30%	2.965%
Sum of corrected areas:						251531881		

Aliphatic EPH 031725.M Tue Mar 18 02:42:54 2025

Lab Sample ID:	50 PPM ALIPHATIC HC 9	Acq On:	17 Mar 2025 18:01
Client Sample ID:		Operator:	YPAJ
Data file:	FF015686.D	Misc:	
Instrument:	FID_F	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.209	6.833	18596208.000	150.000	ug/ml
Aliphatic C12-C16	6.834	10.268	12856373.000	100.000	ug/ml
Aliphatic C16-C21	10.269	13.635	19647990.000	150.000	ug/ml
Aliphatic C21-C28	13.636	17.300	25387224.000	200.000	ug/ml
Aliphatic C28-C40	17.301	22.197	30012799.000	300.000	ug/ml
Aliphatic EPH	3.209		106500594.000	900.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015686.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 18:01
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Mar 18 02:22:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:20:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.937	7290625	45.583 ug/ml
Spiked Amount 50.000		Recovery =	91.17%
12) S 1-chlorooctadecane (S...	13.372	5563119	46.415 ug/ml
Spiked Amount 50.000		Recovery =	92.83%
Target Compounds			
1) T n-Nonane (C9)	3.311	6092632	46.149 ug/ml
2) T n-Decane (C10)	4.568	6207894	46.213 ug/ml
3) T A~Naphthalene (C11.7)	6.276	6629415	47.515 ug/ml
4) T n-Dodecane (C12)	6.734	6295682	46.101 ug/ml
5) T A~2-methylnaphthalene...	7.373	6382167	48.800 ug/ml
6) T n-Tetradecane (C14)	8.562	6305725	46.159 ug/ml
7) T n-Hexadecane (C16)	10.170	6550648	46.259 ug/ml
8) T n-Octadecane (C18)	11.614	6700763	46.108 ug/ml
10) T n-Eicosane (C20)	12.925	6513625	45.857 ug/ml
11) T n-Heneicosane (C21)	13.537	6433602	45.713 ug/ml
13) T n-Docosane (C22)	14.125	6434543	45.592 ug/ml
14) T n-Tetracosane (C24)	15.229	6461530	45.712 ug/ml
15) T n-Hexacosane (C26)	16.252	6321268	45.638 ug/ml
16) T n-Octacosane (C28)	17.202	6169883	44.601 ug/ml
17) T n-Tricontane (C30)	18.091	6147370	42.922 ug/ml
18) T n-Dotriacontane (C32)	18.924	5836343	42.151 ug/ml
19) T n-Tetratriacontane (C34)	19.708	5274079	42.440 ug/ml
20) T n-Hexatriacontane (C36)	20.449	4589204	43.537 ug/ml
21) T n-Octatriacontane (C38)	21.186	4197637	44.963 ug/ml
22) T n-Tetracontane (C40)	22.100	3968166	46.243 ug/ml

(f)=RT Delta > 1/2 Window

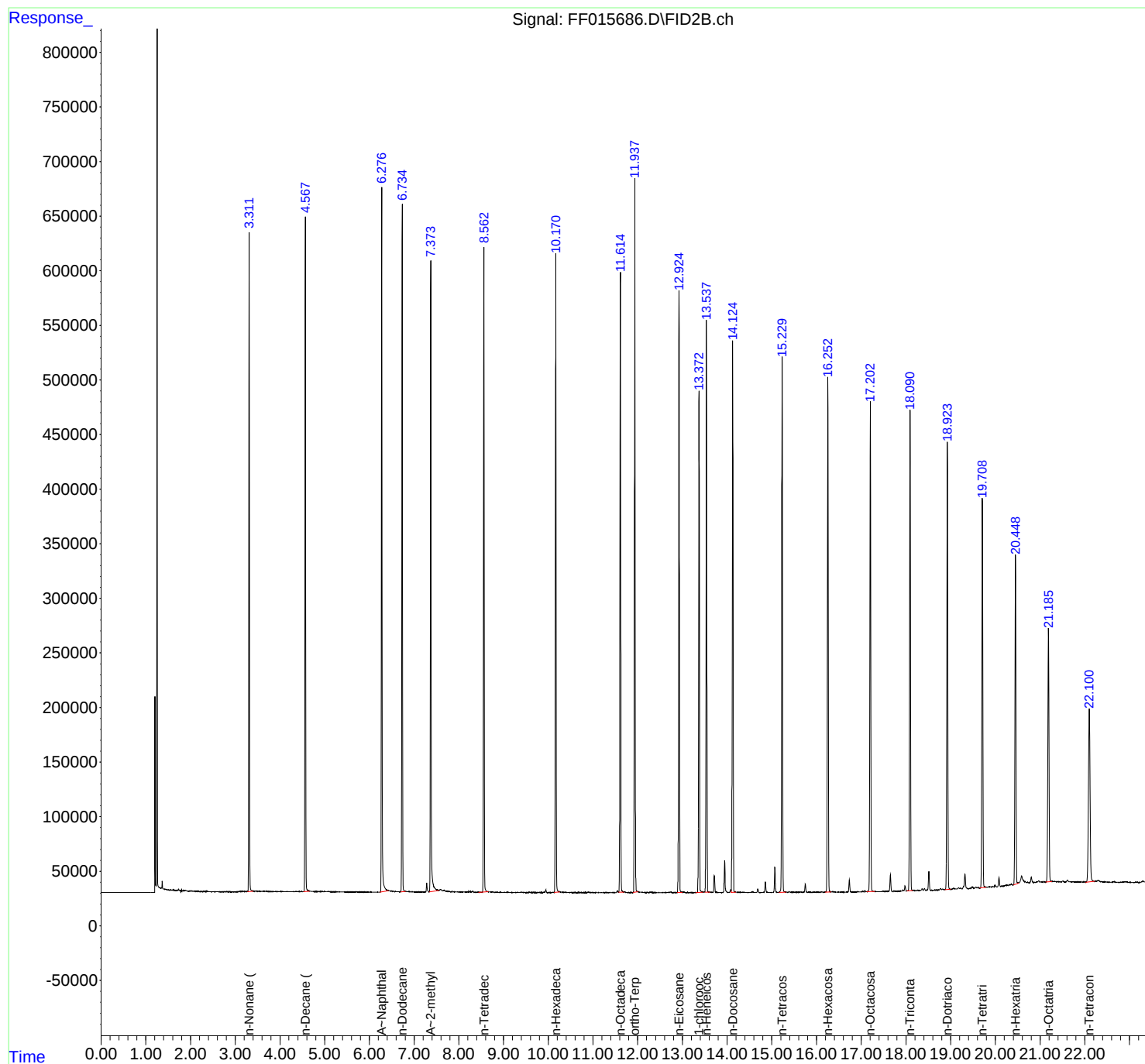
(m)=manual int.

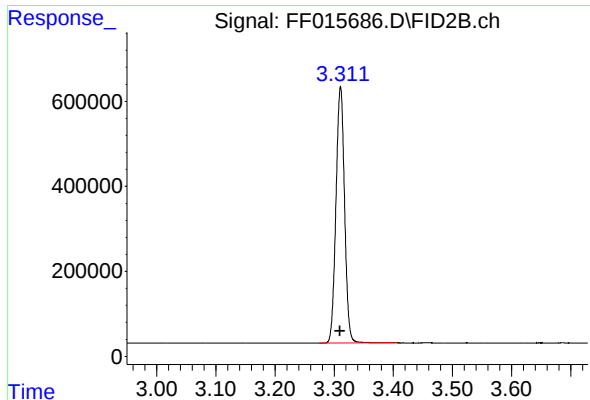
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015686.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 18:01
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Mar 18 02:22:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:20:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

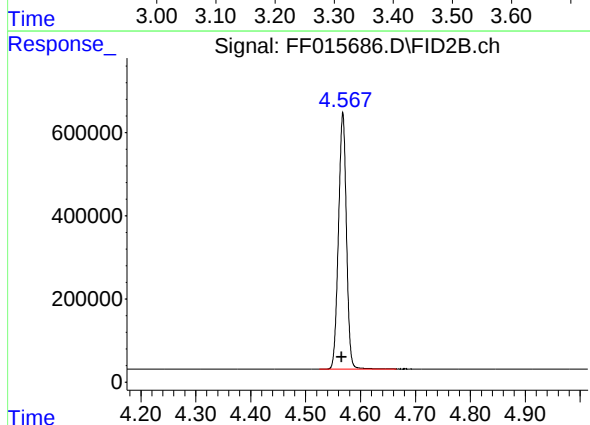




#1 n-Nonane (C9)

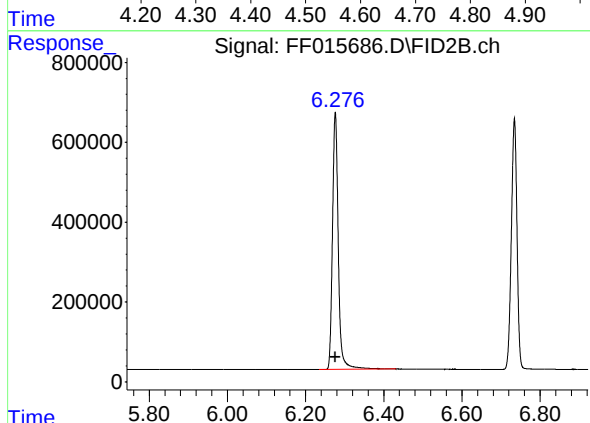
R.T.: 3.311 min
Delta R.T.: 0.000 min
Response: 6092632
Conc: 46.15 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



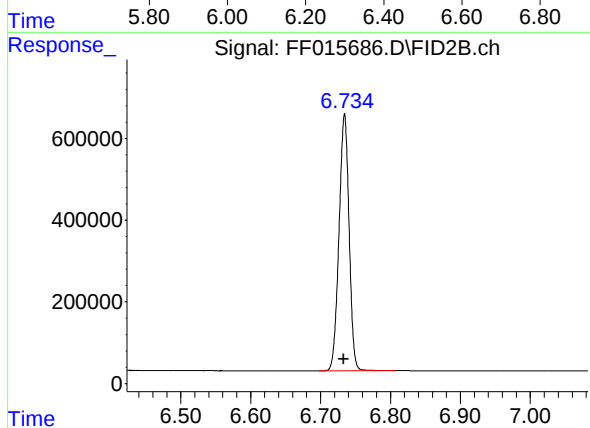
#2 n-Decane (C10)

R.T.: 4.568 min
Delta R.T.: 0.002 min
Response: 6207894
Conc: 46.21 ug/ml



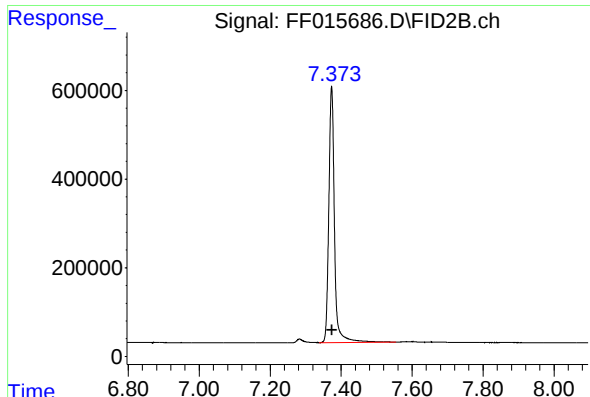
#3 A~Naphthalene (C11.7)

R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 6629415
Conc: 47.51 ug/ml



#4 n-Dodecane (C12)

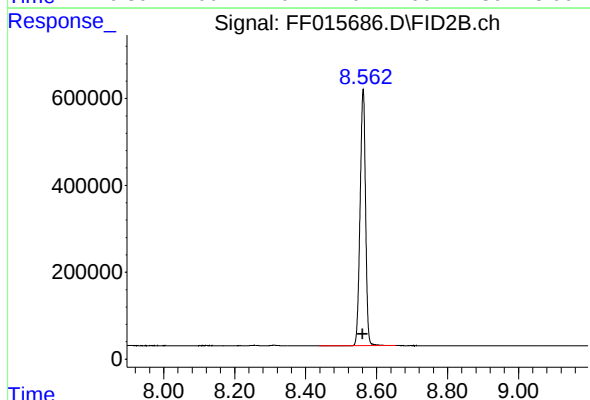
R.T.: 6.734 min
Delta R.T.: 0.001 min
Response: 6295682
Conc: 46.10 ug/ml



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

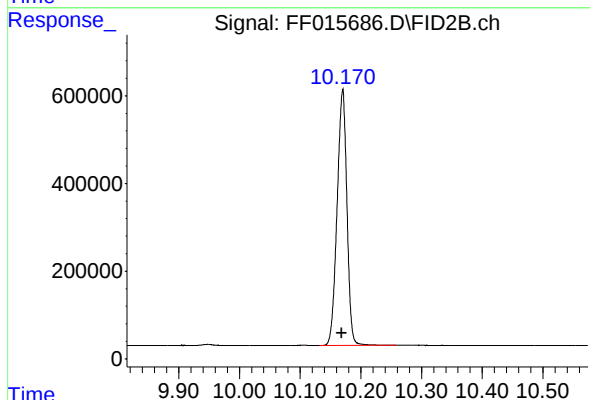
R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 6382167
Conc: 48.80 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



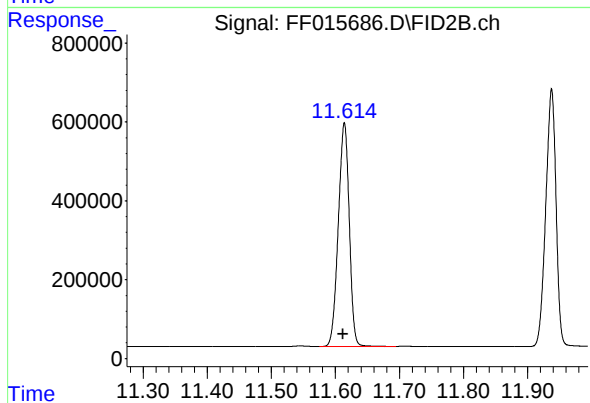
#6 n-Tetradecane (C14)

R.T.: 8.562 min
Delta R.T.: 0.001 min
Response: 6305725
Conc: 46.16 ug/ml



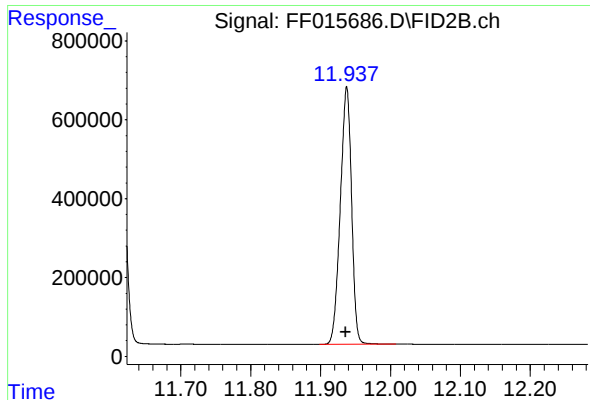
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: 0.001 min
Response: 6550648
Conc: 46.26 ug/ml



#8 n-Octadecane (C18)

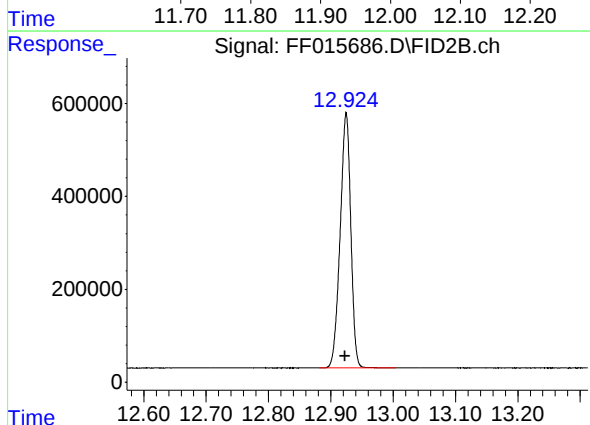
R.T.: 11.614 min
Delta R.T.: 0.002 min
Response: 6700763
Conc: 46.11 ug/ml



#9 ortho-Terphenyl (SURR)

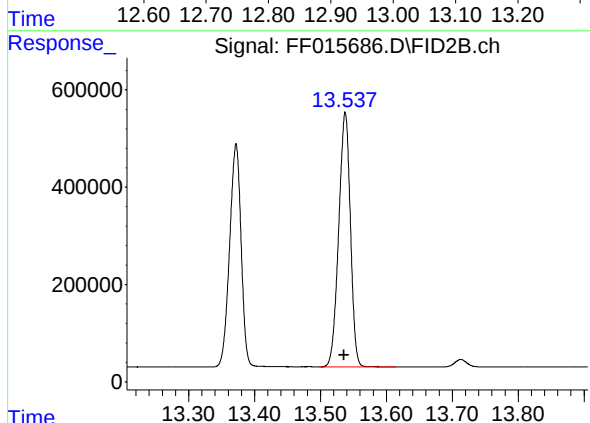
R.T.: 11.937 min
Delta R.T.: 0.001 min
Response: 7290625
Conc: 45.58 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



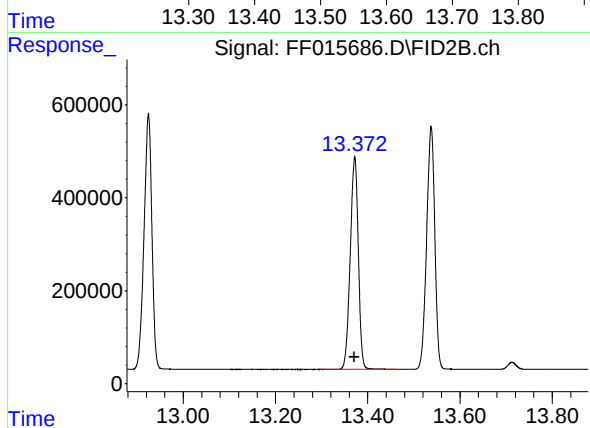
#10 n-Eicosane (C20)

R.T.: 12.925 min
Delta R.T.: 0.001 min
Response: 6513625
Conc: 45.86 ug/ml



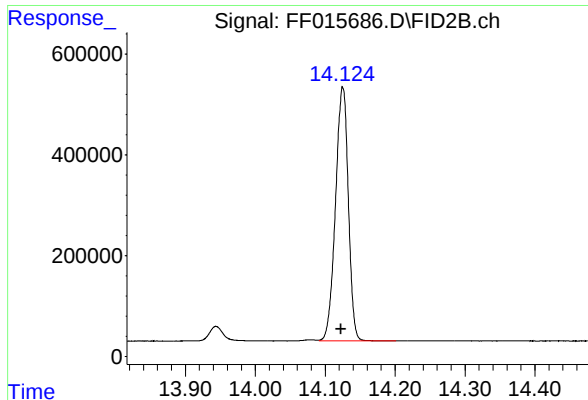
#11 n-Heneicosane (C21)

R.T.: 13.537 min
Delta R.T.: 0.002 min
Response: 6433602
Conc: 45.71 ug/ml



#12 1-chlorooctadecane (SURR)

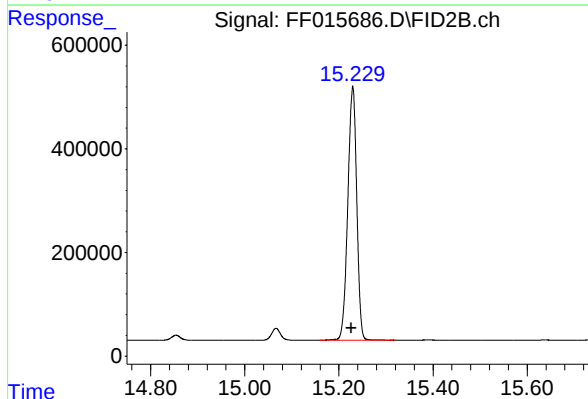
R.T.: 13.372 min
Delta R.T.: 0.001 min
Response: 5563119
Conc: 46.42 ug/ml



#13 n-Docosane (C22)

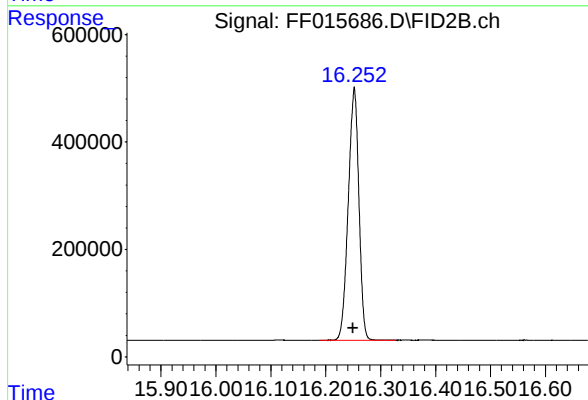
R.T.: 14.125 min
Delta R.T.: 0.002 min
Response: 6434543
Conc: 45.59 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



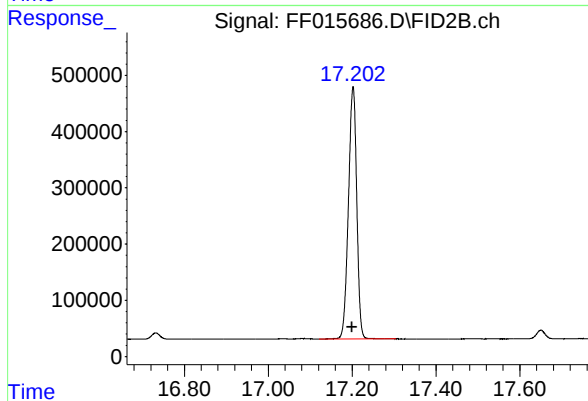
#14 n-Tetracosane (C24)

R.T.: 15.229 min
Delta R.T.: 0.003 min
Response: 6461530
Conc: 45.71 ug/ml



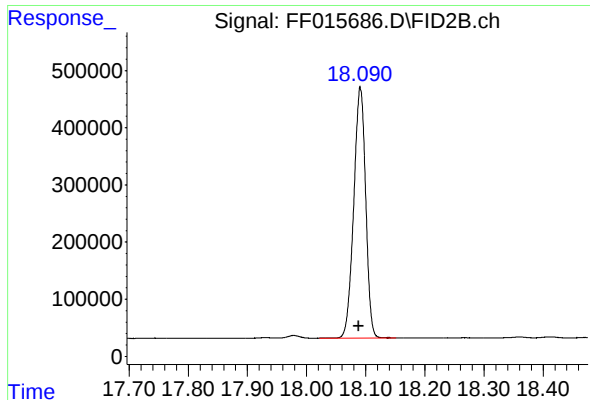
#15 n-Hexacosane (C26)

R.T.: 16.252 min
Delta R.T.: 0.002 min
Response: 6321268
Conc: 45.64 ug/ml



#16 n-Octacosane (C28)

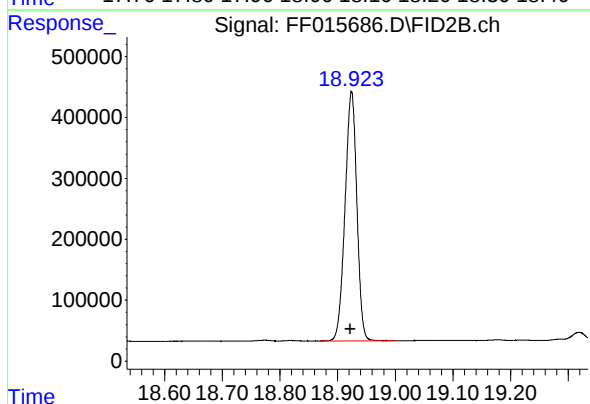
R.T.: 17.202 min
Delta R.T.: 0.002 min
Response: 6169883
Conc: 44.60 ug/ml



#17 n-Tricontane (C30)

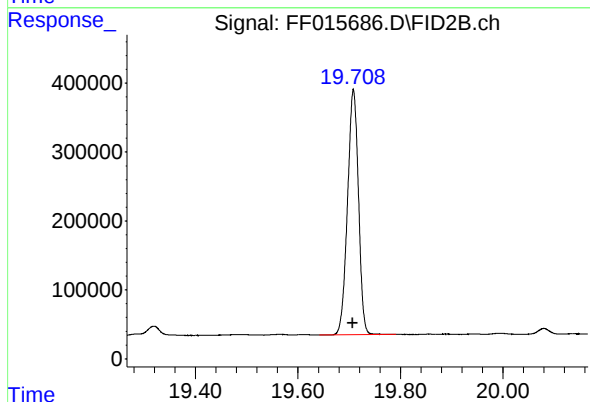
R.T.: 18.091 min
Delta R.T.: 0.002 min
Response: 6147370
Conc: 42.92 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



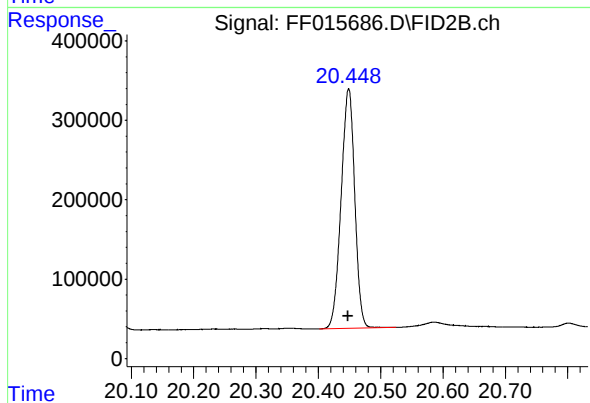
#18 n-Dotriacontane (C32)

R.T.: 18.924 min
Delta R.T.: 0.002 min
Response: 5836343
Conc: 42.15 ug/ml



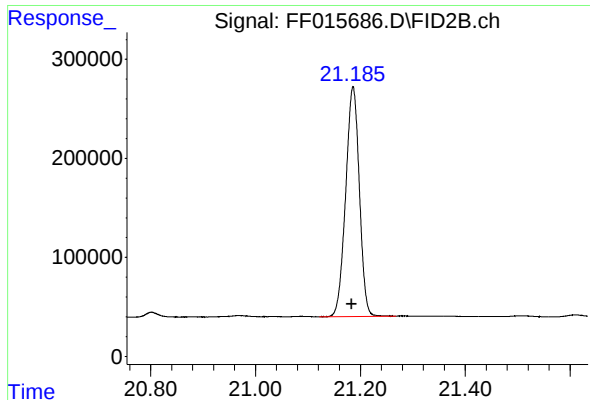
#19 n-Tetatriacontane (C34)

R.T.: 19.708 min
Delta R.T.: 0.002 min
Response: 5274079
Conc: 42.44 ug/ml



#20 n-Hexatriacontane (C36)

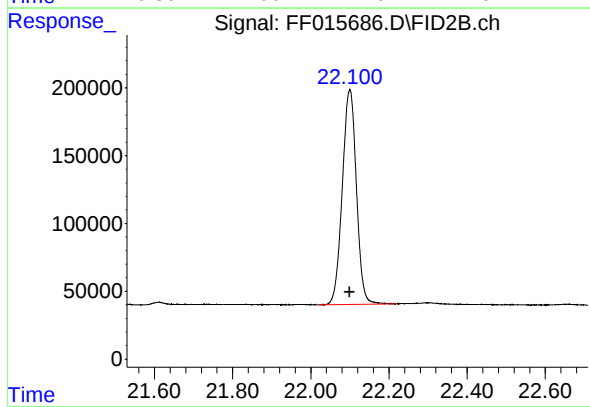
R.T.: 20.449 min
Delta R.T.: 0.001 min
Response: 4589204
Conc: 43.54 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.186 min
Delta R.T.: 0.002 min
Response: 4197637
Conc: 44.96 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.100 min
Delta R.T.: 0.000 min
Response: 3968166
Conc: 46.24 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015686.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 18:01
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.311	3.275	3.405	BB	604659	6092632	83.57%	4.603%
2	4.568	4.525	4.665	BB	616634	6207894	85.15%	4.690%
3	6.276	6.235	6.431	BB	641967	6629415	90.93%	5.008%
4	6.734	6.698	6.808	BB	628330	6295682	86.35%	4.756%
5	7.373	7.338	7.555	PV	577816	6382167	87.54%	4.822%
6	8.562	8.438	8.655	BB	588328	6305725	86.49%	4.764%
7	10.170	10.131	10.258	BB	587121	6550648	89.85%	4.949%
8	11.614	11.575	11.695	BV	569057	6700763	91.91%	5.062%
9	11.937	11.898	12.008	BB	654839	7290625	100.00%	5.508%
10	12.925	12.881	13.005	BB	549797	6513625	89.34%	4.921%
11	13.372	13.295	13.461	BB	455885	5563119	76.31%	4.203%
12	13.537	13.498	13.615	BB	524256	6433602	88.24%	4.860%
13	14.125	14.091	14.201	VB	504967	6434543	88.26%	4.861%
14	15.229	15.158	15.321	BB	485601	6461530	88.63%	4.882%
15	16.252	16.188	16.328	BB	466871	6321268	86.70%	4.776%
16	17.202	17.121	17.305	BB	447276	6169883	84.63%	4.661%
17	18.091	18.021	18.151	BB	439046	6147370	84.32%	4.644%
18	18.924	18.868	19.001	BB	410699	5836343	80.05%	4.409%
19	19.708	19.641	19.791	BB	354825	5274079	72.34%	3.984%
20	20.449	20.401	20.525	BB	302055	4589204	62.95%	3.467%
21	21.186	21.121	21.268	BB	231875	4197637	57.58%	3.171%
22	22.100	22.021	22.218	BB	158709	3968166	54.43%	2.998%

Sum of corrected areas: 132365919

Aliphatic EPH 031725.M Tue Mar 18 02:43:32 2025

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	17 Mar 2025 18:31
Client Sample ID:		Operator:	YPAJ
Data file:	FF015687.D	Misc:	
Instrument:	FID_F	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.209	6.833	8058326.000	60.000	ug/ml
Aliphatic C12-C16	6.834	10.268	5564326.000	40.000	ug/ml
Aliphatic C16-C21	10.269	13.635	8562154.000	60.000	ug/ml
Aliphatic C21-C28	13.636	17.300	11186676.000	80.000	ug/ml
Aliphatic C28-C40	17.301	22.197	13810725.000	120.000	ug/ml
Aliphatic EPH	3.209		47182207.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015687.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 18:31
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Mar 18 02:22:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:20:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.936	3198868	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.371	2397098	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.310	2640406	20.000 ug/ml
2) T n-Decane (C10)	4.566	2686639	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.277	2790457	20.000 ug/ml
4) T n-Dodecane (C12)	6.733	2731281	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.374	2615659	20.000 ug/ml
6) T n-Tetradecane (C14)	8.560	2732194	20.000 ug/ml
7) T n-Hexadecane (C16)	10.168	2832132	20.000 ug/ml
8) T n-Octadecane (C18)	11.612	2906526	20.000 ug/ml
10) T n-Eicosane (C20)	12.923	2840867	20.000 ug/ml
11) T n-Heneicosane (C21)	13.536	2814761	20.000 ug/ml
13) T n-Docosane (C22)	14.122	2822676	20.000 ug/ml
14) T n-Tetracosane (C24)	15.227	2827080	20.000 ug/ml
15) T n-Hexacosane (C26)	16.250	2770191	20.000 ug/ml
16) T n-Octacosane (C28)	17.200	2766729	20.000 ug/ml
17) T n-Tricontane (C30)	18.089	2864448	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.922	2769226	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.707	2485455	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.447	2108187	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.184	1867170	20.000 ug/ml
22) T n-Tetracontane (C40)	22.099	1716239	20.000 ug/ml

(f)=RT Delta > 1/2 Window

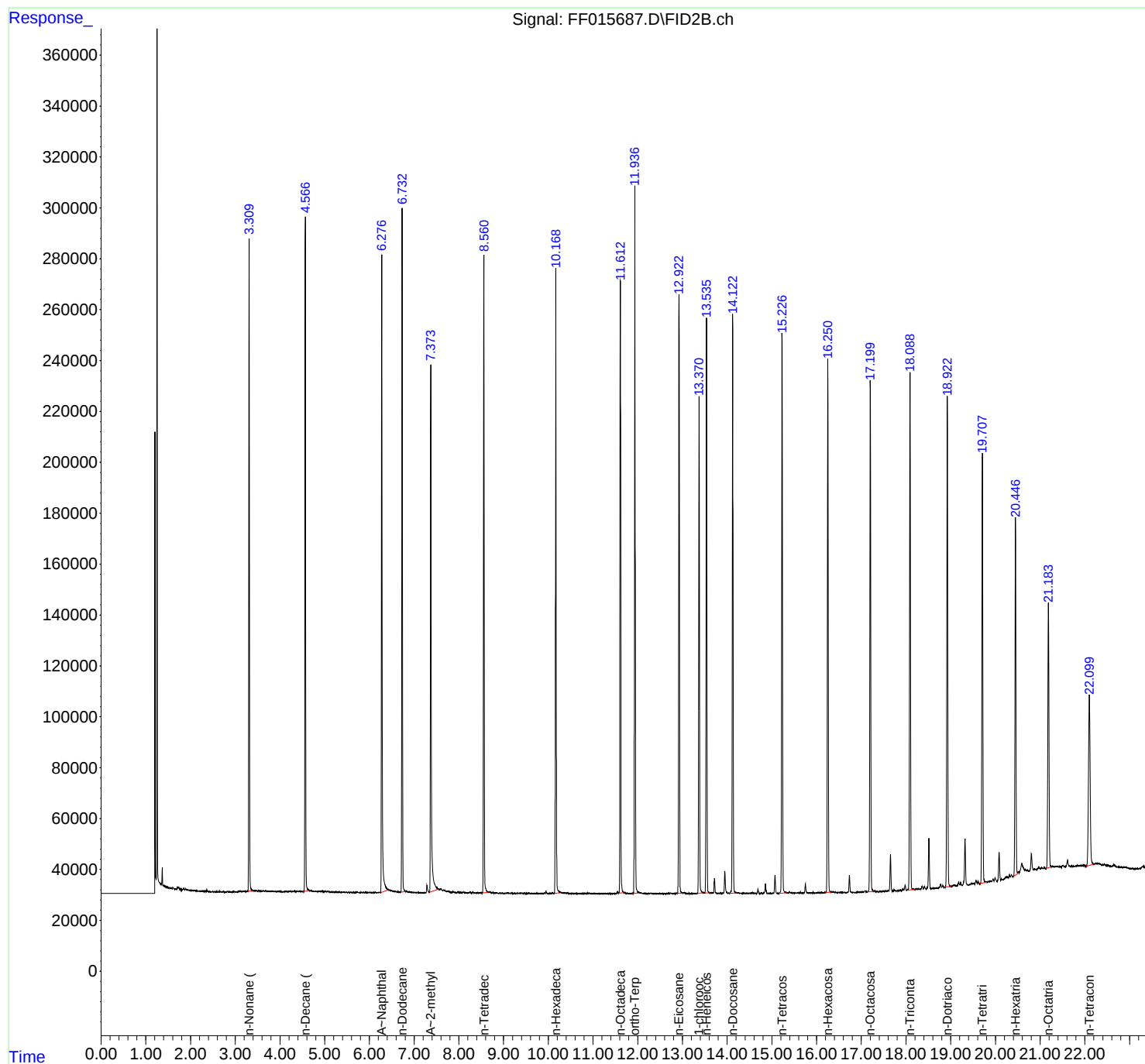
(m)=manual int.

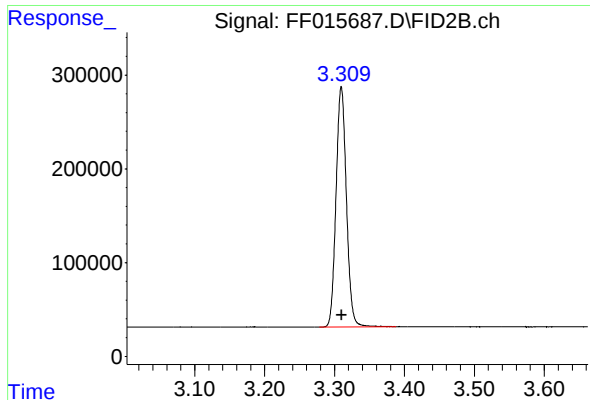
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015687.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 18:31
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Mar 18 02:22:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:20:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

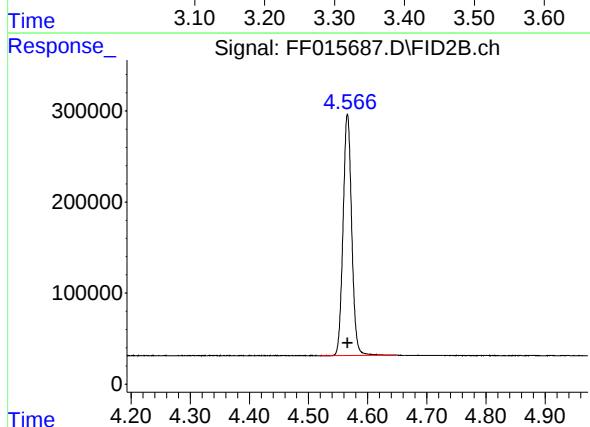




#1 n-Nonane (C9)

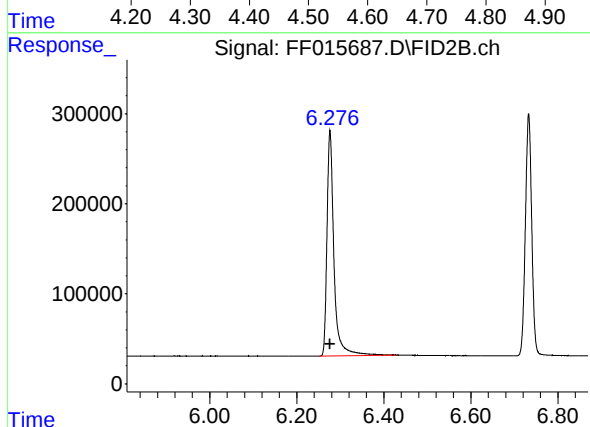
R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 2640406
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



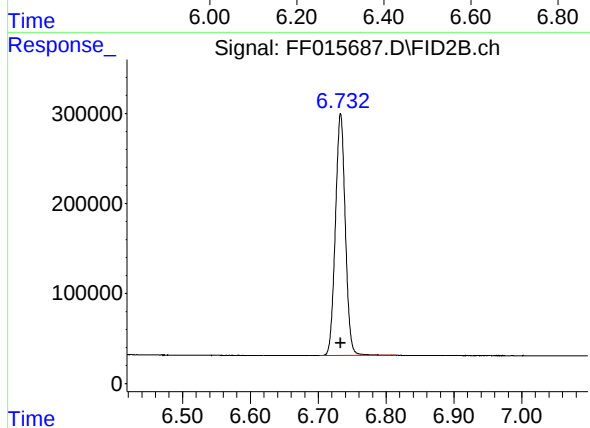
#2 n-Decane (C10)

R.T.: 4.566 min
Delta R.T.: 0.000 min
Response: 2686639
Conc: 20.00 ug/ml



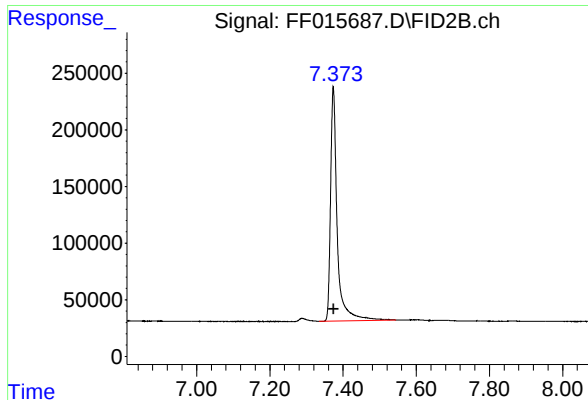
#3 A~Naphthalene (C11.7)

R.T.: 6.277 min
Delta R.T.: 0.000 min
Response: 2790457
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

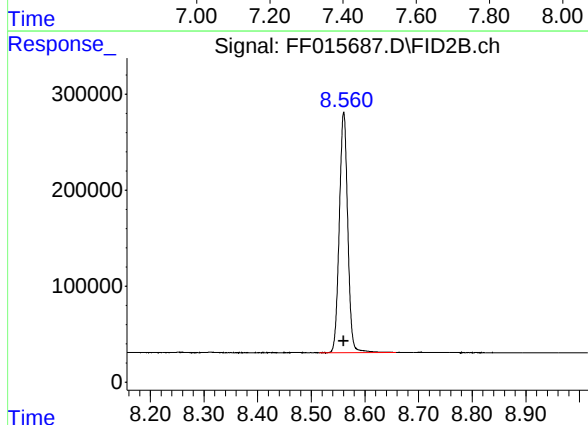
R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 2731281
Conc: 20.00 ug/ml



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

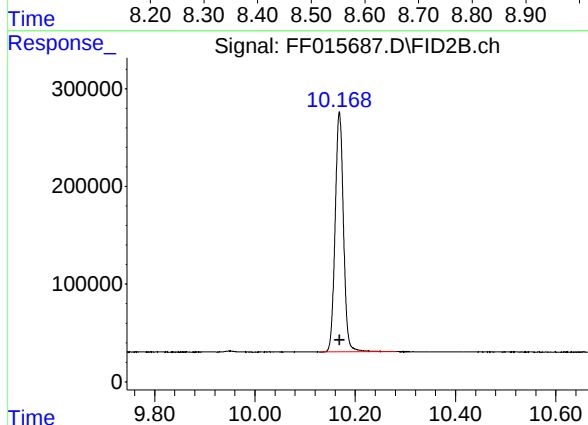
R.T.: 7.374 min
Delta R.T.: 0.000 min
Response: 2615659
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



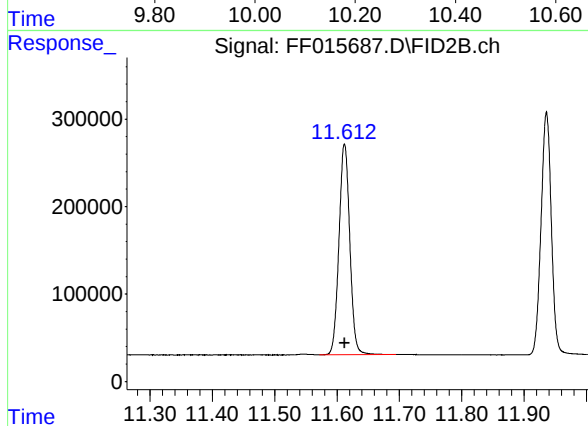
#6 n-Tetradecane (C14)

R.T.: 8.560 min
Delta R.T.: 0.000 min
Response: 2732194
Conc: 20.00 ug/ml



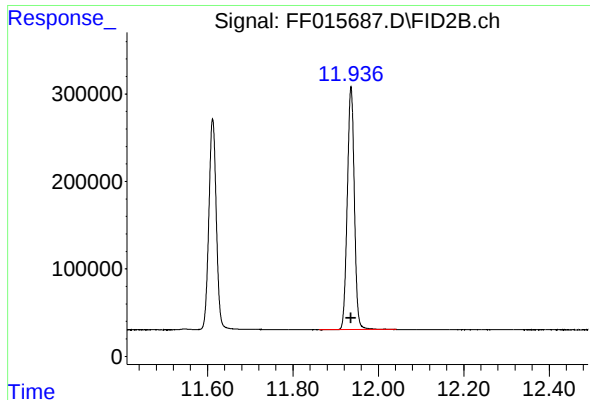
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: 0.000 min
Response: 2832132
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

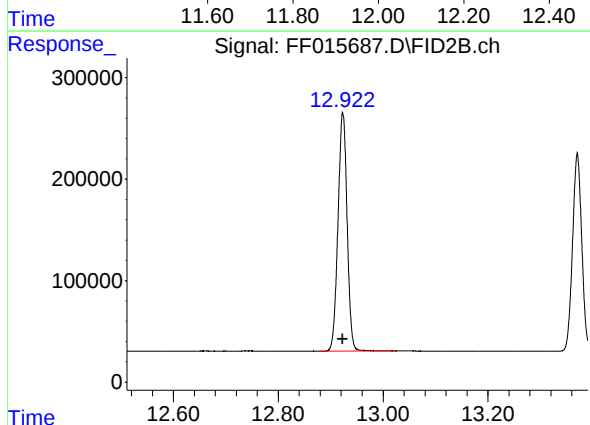
R.T.: 11.612 min
Delta R.T.: 0.000 min
Response: 2906526
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

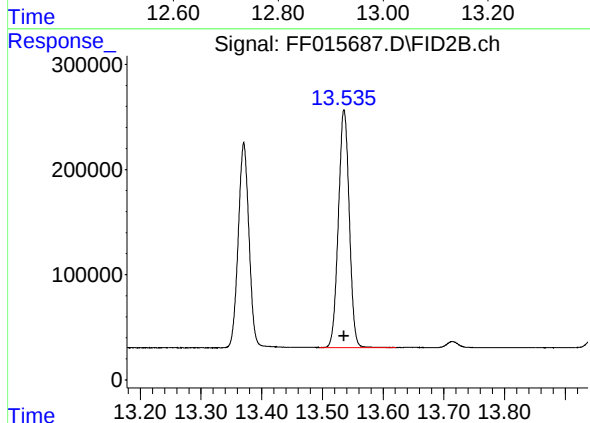
R.T.: 11.936 min
Delta R.T.: 0.000 min
Response: 3198868
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



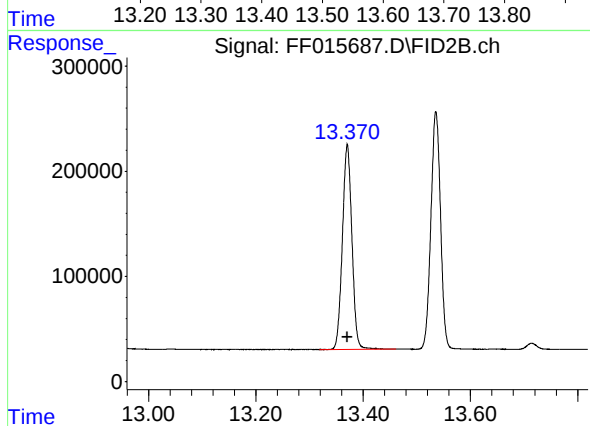
#10 n-Eicosane (C20)

R.T.: 12.923 min
Delta R.T.: 0.000 min
Response: 2840867
Conc: 20.00 ug/ml



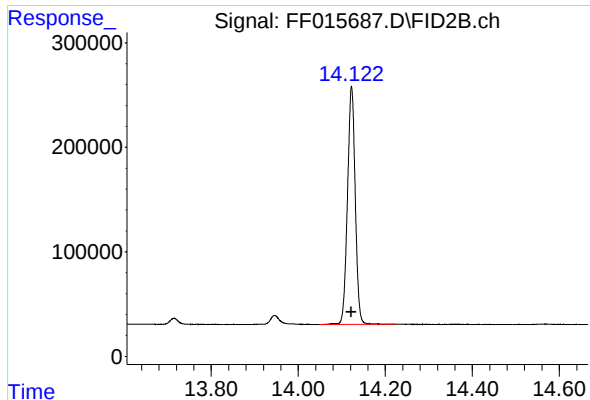
#11 n-Heneicosane (C21)

R.T.: 13.536 min
Delta R.T.: 0.000 min
Response: 2814761
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

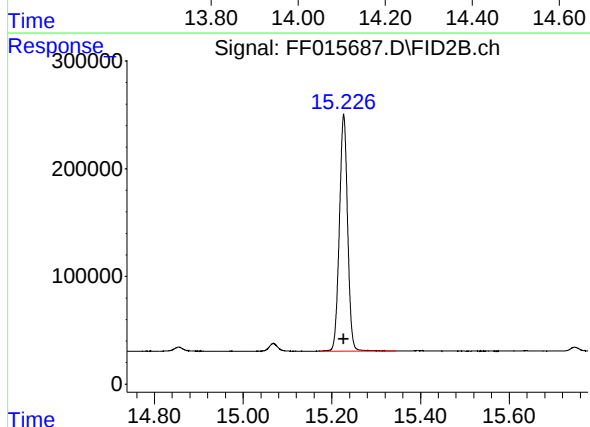
R.T.: 13.371 min
Delta R.T.: 0.000 min
Response: 2397098
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

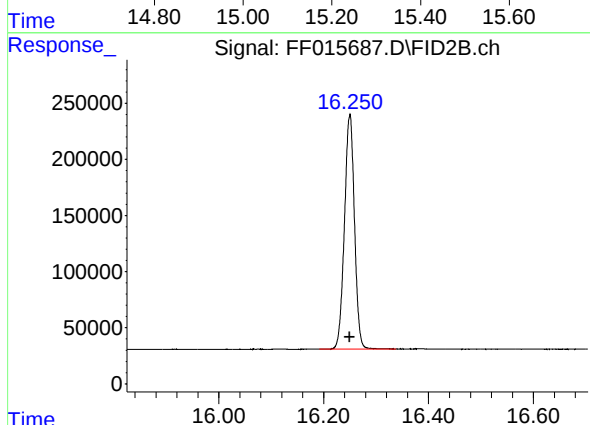
R.T.: 14.122 min
Delta R.T.: 0.000 min
Response: 2822676
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



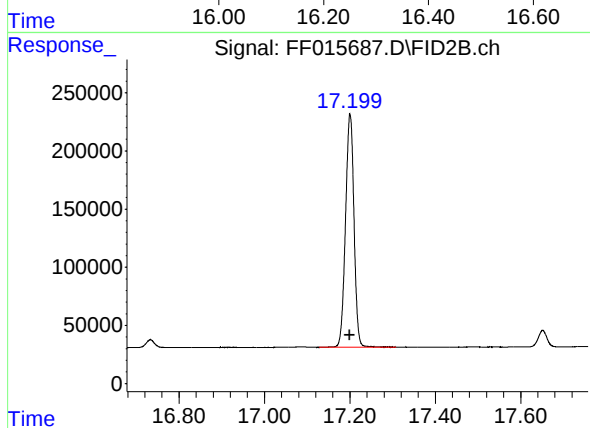
#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: 0.000 min
Response: 2827080
Conc: 20.00 ug/ml



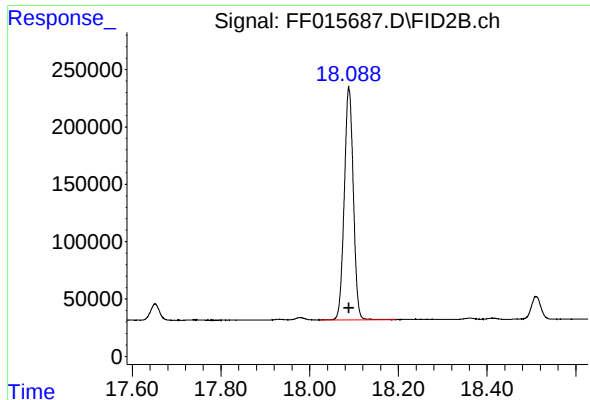
#15 n-Hexacosane (C26)

R.T.: 16.250 min
Delta R.T.: 0.000 min
Response: 2770191
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

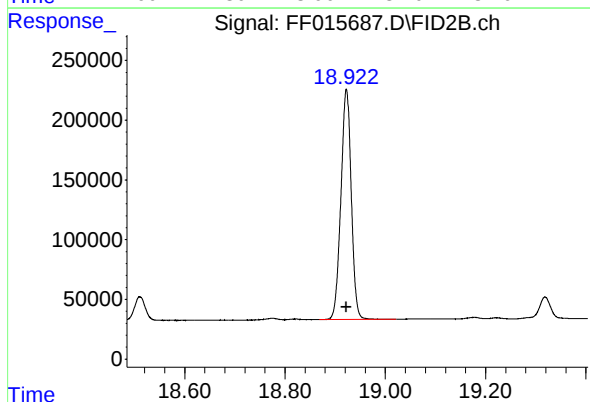
R.T.: 17.200 min
Delta R.T.: 0.000 min
Response: 2766729
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

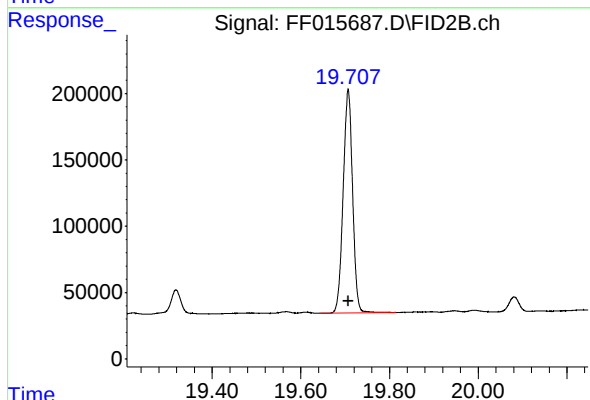
R.T.: 18.089 min
Delta R.T.: 0.000 min
Response: 2864448
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



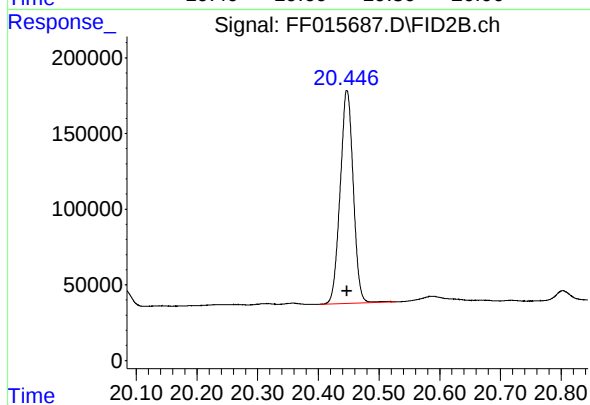
#18 n-Dotriacontane (C32)

R.T.: 18.922 min
Delta R.T.: 0.000 min
Response: 2769226
Conc: 20.00 ug/ml



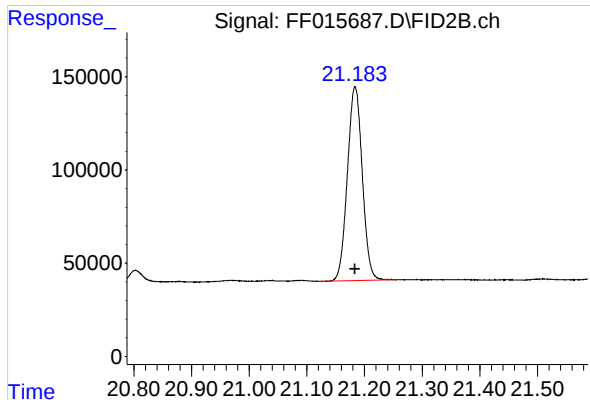
#19 n-Tetatriacontane (C34)

R.T.: 19.707 min
Delta R.T.: 0.000 min
Response: 2485455
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

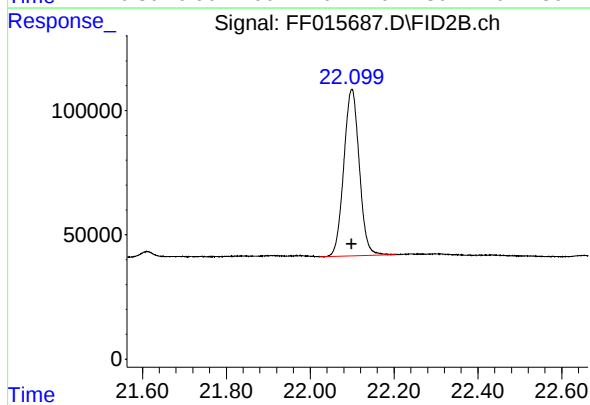
R.T.: 20.447 min
Delta R.T.: 0.000 min
Response: 2108187
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.184 min
Delta R.T.: 0.000 min
Response: 1867170
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.099 min
Delta R.T.: 0.000 min
Response: 1716239
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015687.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 18:31
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.310	3.278	3.388	BB	254939	2640406	82.54%	4.538%
2	4.566	4.518	4.648	BB	264784	2686639	83.99%	4.617%
3	6.277	6.251	6.428	BB	247031	2790457	87.23%	4.796%
4	6.733	6.701	6.815	BB	268017	2731281	85.38%	4.694%
5	7.374	7.335	7.545	PB	205195	2615659	81.77%	4.495%
6	8.560	8.515	8.658	BB	251765	2732194	85.41%	4.696%
7	10.168	10.128	10.281	BB	245276	2832132	88.54%	4.868%
8	11.612	11.571	11.695	BB	241352	2906526	90.86%	4.995%
9	11.936	11.861	12.041	BB	276851	3198868	100.00%	5.498%
10	12.923	12.878	13.025	BB	235421	2840867	88.81%	4.883%
11	13.371	13.318	13.461	BB	194528	2397098	74.94%	4.120%
12	13.536	13.495	13.621	BB	226548	2814761	87.99%	4.838%
13	14.122	14.048	14.225	BB	227198	2822676	88.24%	4.851%
14	15.227	15.171	15.345	BB	219692	2827080	88.38%	4.859%
15	16.250	16.191	16.338	BB	210876	2770191	86.60%	4.761%
16	17.200	17.128	17.308	BB	201188	2766729	86.49%	4.755%
17	18.089	18.021	18.195	BB	202364	2864448	89.55%	4.923%
18	18.922	18.868	19.021	BB	192960	2769226	86.57%	4.759%
19	19.707	19.641	19.815	BB	168904	2485455	77.70%	4.272%
20	20.447	20.401	20.528	BV	140849	2108187	65.90%	3.623%
21	21.184	21.121	21.255	BB	103919	1867170	58.37%	3.209%
22	22.099	22.021	22.205	BB	66968	1716239	53.65%	2.950%
Sum of corrected areas:							58184289	

Aliphatic EPH 031725.M Tue Mar 18 02:44:09 2025

Lab Sample ID:	10 PPM ALIPHATIC HC 9	Acq On:	17 Mar 2025 19:00
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015688.D	Misc:	
Instrument:	FID_F	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.209	6.833	4004912.000	30.000	ug/ml
Aliphatic C12-C16	6.834	10.268	2740629.000	20.000	ug/ml
Aliphatic C16-C21	10.269	13.635	4228203.000	30.000	ug/ml
Aliphatic C21-C28	13.636	17.300	5615235.000	40.000	ug/ml
Aliphatic C28-C40	17.301	22.197	6857806.000	60.000	ug/ml
Aliphatic EPH	3.209		23446785.000	180.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015688.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 19:00
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Mar 18 02:23:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:20:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.935	1586641	9.920 ug/ml
Spiked Amount 50.000		Recovery =	19.84%
12) S 1-chlorooctadecane (S...	13.370	1164785	9.718 ug/ml
Spiked Amount 50.000		Recovery =	19.44%
Target Compounds			
1) T n-Nonane (C9)	3.310	1319054	9.991 ug/ml
2) T n-Decane (C10)	4.566	1332637	9.920 ug/ml
3) T A~Naphthalene (C11.7)	6.279	1308404	9.378 ug/ml
4) T n-Dodecane (C12)	6.733	1353221	9.909 ug/ml
5) T A~2-methylnaphthalene...	7.378	1171368	8.957 ug/ml
6) T n-Tetradecane (C14)	8.560	1350013	9.882 ug/ml
7) T n-Hexadecane (C16)	10.168	1390616	9.820 ug/ml
8) T n-Octadecane (C18)	11.611	1433261	9.862 ug/ml
10) T n-Eicosane (C20)	12.922	1402567	9.874 ug/ml
11) T n-Heneicosane (C21)	13.534	1392375	9.893 ug/ml
13) T n-Docosane (C22)	14.122	1411308	10.000 ug/ml
14) T n-Tetracosane (C24)	15.226	1421499	10.056 ug/ml
15) T n-Hexacosane (C26)	16.248	1388901	10.027 ug/ml
16) T n-Octacosane (C28)	17.199	1393527	10.073 ug/ml
17) T n-Tricontane (C30)	18.087	1439380	10.050 ug/ml
18) T n-Dotriacontane (C32)	18.921	1396830	10.088 ug/ml
19) T n-Tetratriacontane (C34)	19.706	1244338	10.013 ug/ml
20) T n-Hexatriacontane (C36)	20.447	1046165	9.925 ug/ml
21) T n-Octatriacontane (C38)	21.184	908498	9.731 ug/ml
22) T n-Tetracontane (C40)	22.100	822595	9.586 ug/ml

(f)=RT Delta > 1/2 Window

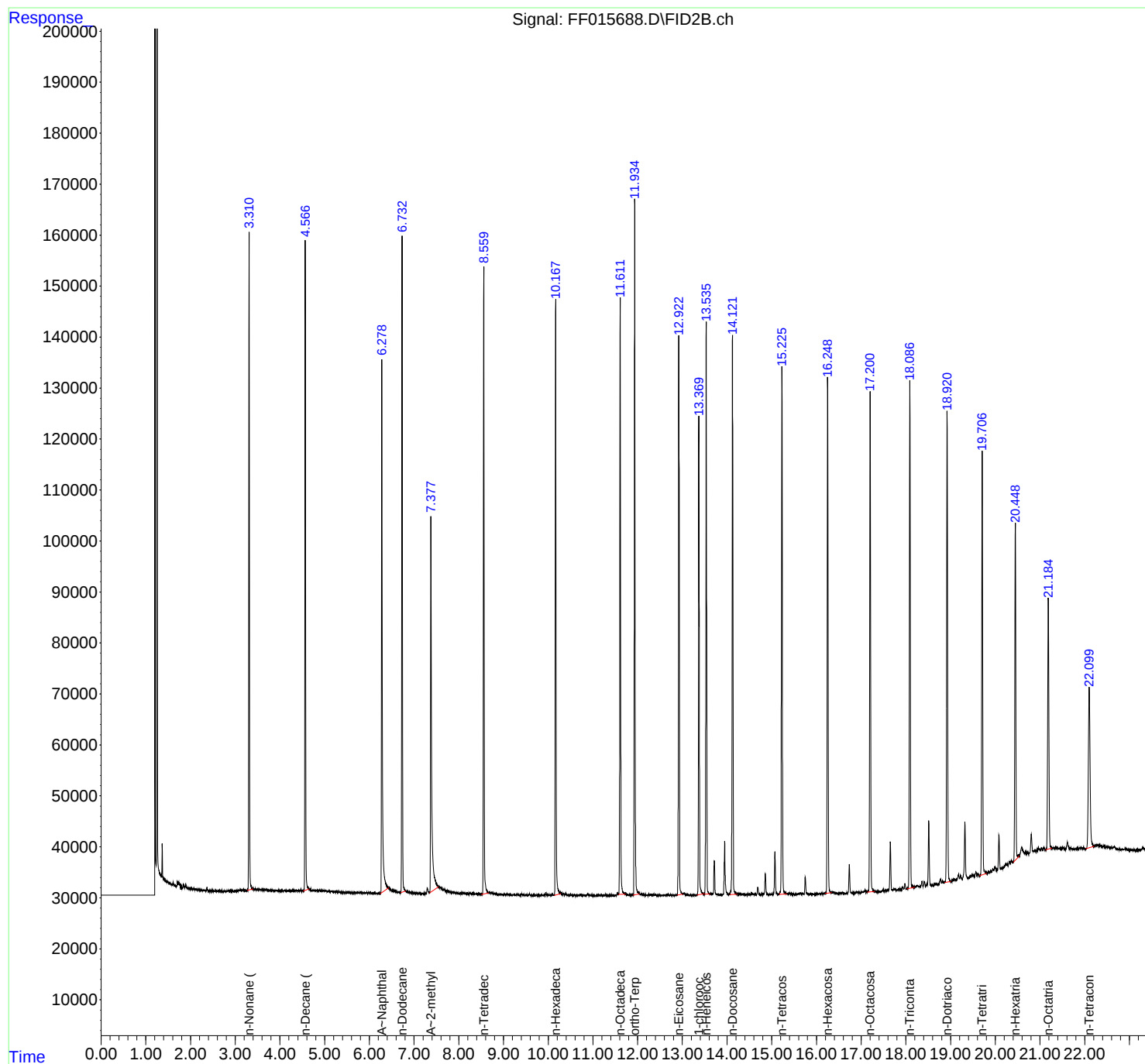
(m)=manual int.

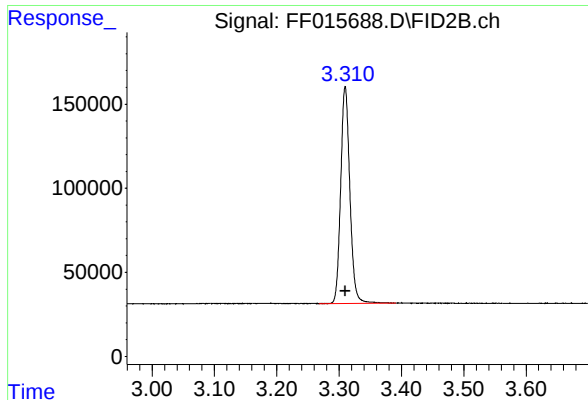
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015688.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:00
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Mar 18 02:23:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:20:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

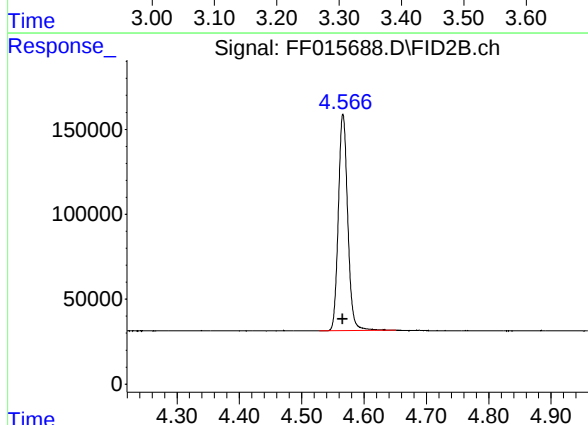




#1 n-Nonane (C9)

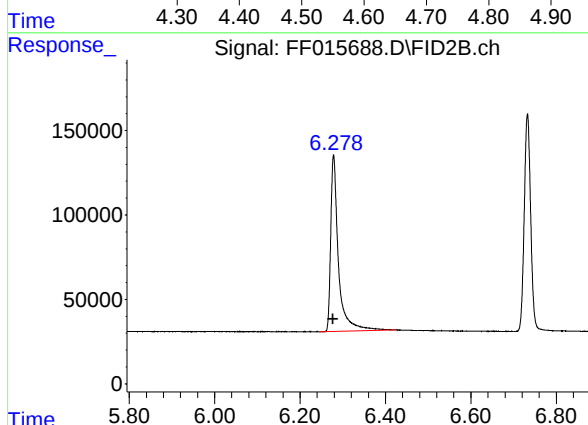
R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 1319054
Conc: 9.99 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



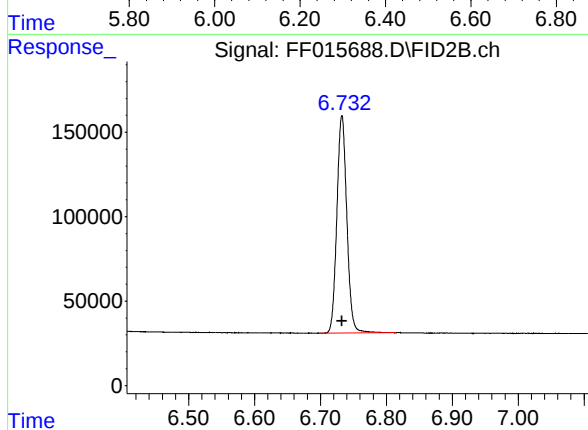
#2 n-Decane (C10)

R.T.: 4.566 min
Delta R.T.: 0.000 min
Response: 1332637
Conc: 9.92 ug/ml



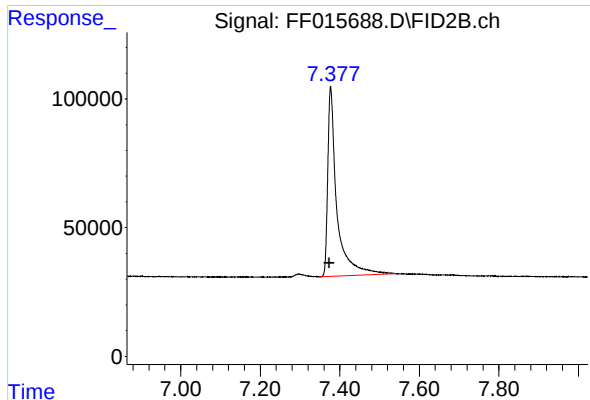
#3 A~Naphthalene (C11.7)

R.T.: 6.279 min
Delta R.T.: 0.002 min
Response: 1308404
Conc: 9.38 ug/ml



#4 n-Dodecane (C12)

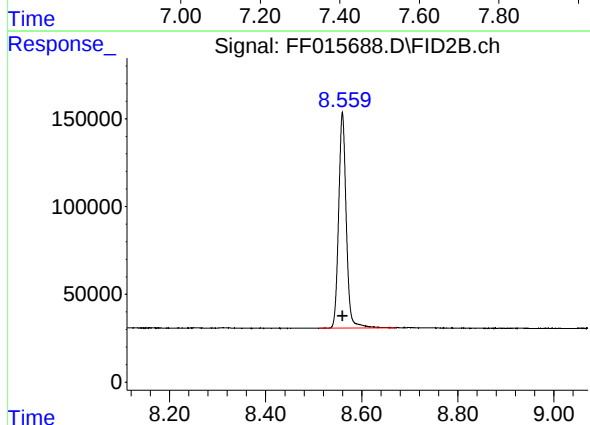
R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 1353221
Conc: 9.91 ug/ml



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

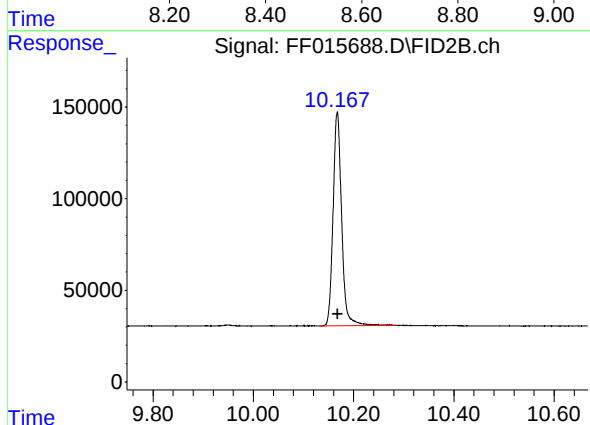
R.T.: 7.378 min
Delta R.T.: 0.004 min
Response: 1171368
Conc: 8.96 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



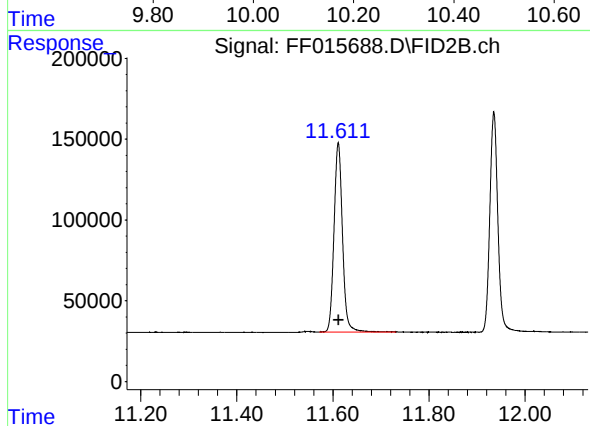
#6 n-Tetradecane (C14)

R.T.: 8.560 min
Delta R.T.: 0.000 min
Response: 1350013
Conc: 9.88 ug/ml



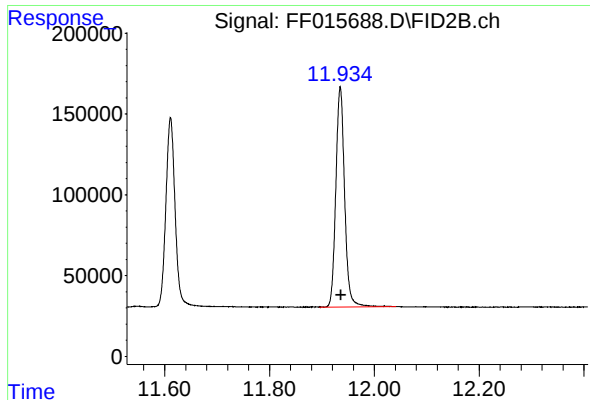
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: 0.000 min
Response: 1390616
Conc: 9.82 ug/ml



#8 n-Octadecane (C18)

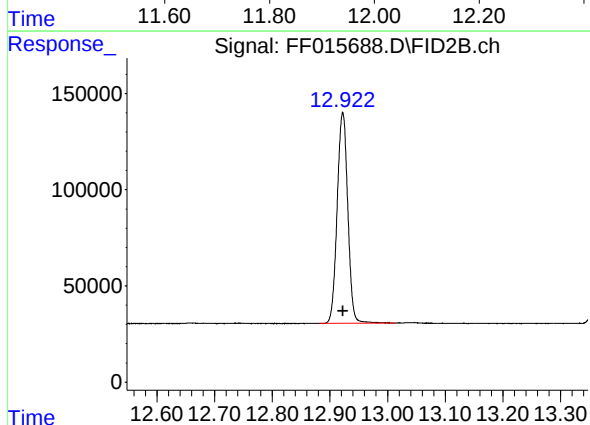
R.T.: 11.611 min
Delta R.T.: 0.000 min
Response: 1433261
Conc: 9.86 ug/ml



#9 ortho-Terphenyl (SURR)

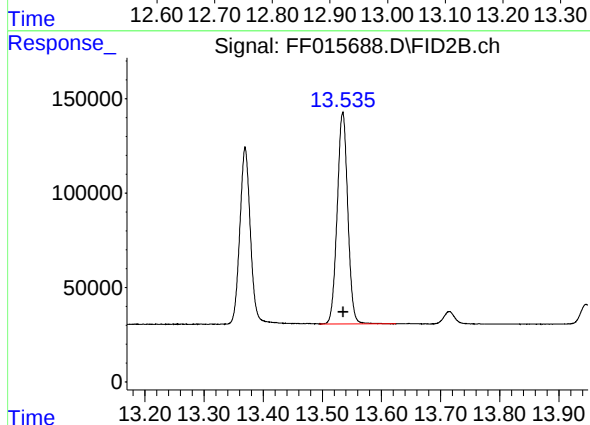
R.T.: 11.935 min
Delta R.T.: 0.000 min
Response: 1586641
Conc: 9.92 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



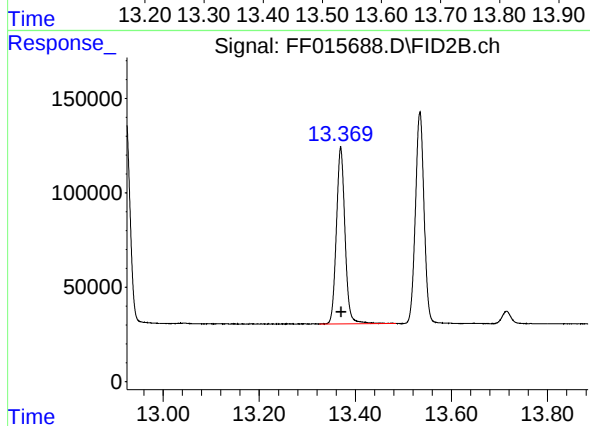
#10 n-Eicosane (C20)

R.T.: 12.922 min
Delta R.T.: 0.000 min
Response: 1402567
Conc: 9.87 ug/ml



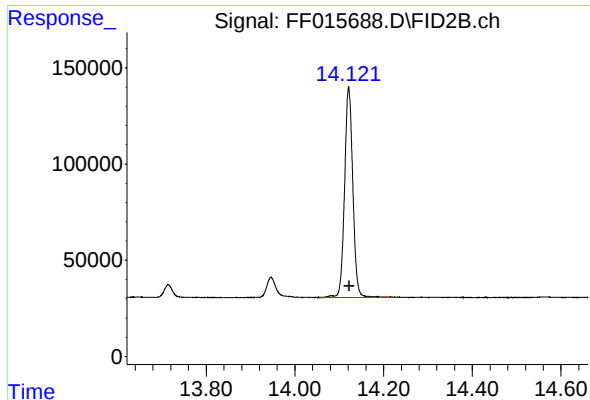
#11 n-Heneicosane (C21)

R.T.: 13.534 min
Delta R.T.: -0.001 min
Response: 1392375
Conc: 9.89 ug/ml



#12 1-chlorooctadecane (SURR)

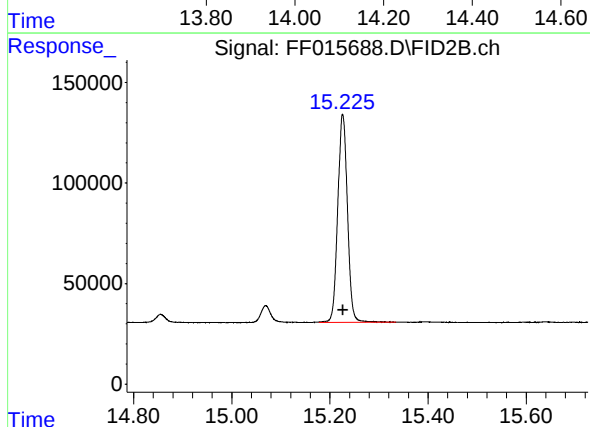
R.T.: 13.370 min
Delta R.T.: 0.000 min
Response: 1164785
Conc: 9.72 ug/ml



#13 n-Docosane (C22)

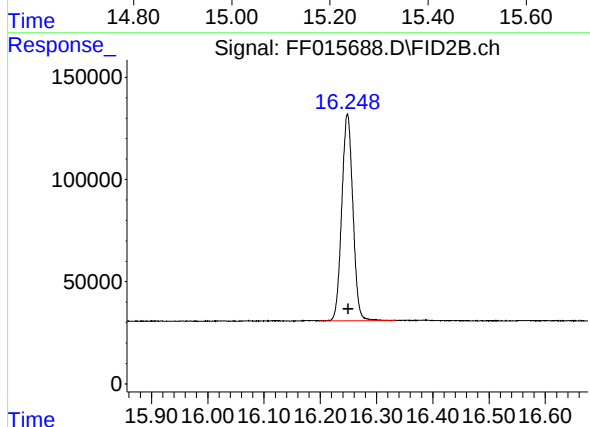
R.T.: 14.122 min
Delta R.T.: 0.000 min
Response: 1411308
Conc: 10.00 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



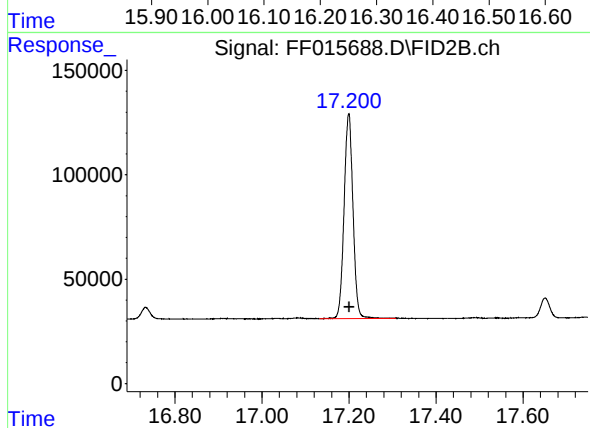
#14 n-Tetracosane (C24)

R.T.: 15.226 min
Delta R.T.: 0.000 min
Response: 1421499
Conc: 10.06 ug/ml



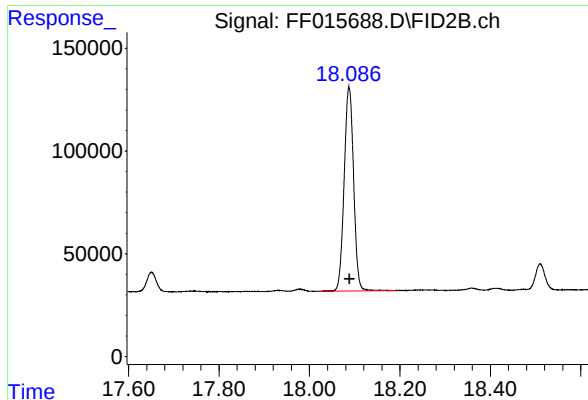
#15 n-Hexacosane (C26)

R.T.: 16.248 min
Delta R.T.: -0.001 min
Response: 1388901
Conc: 10.03 ug/ml



#16 n-Octacosane (C28)

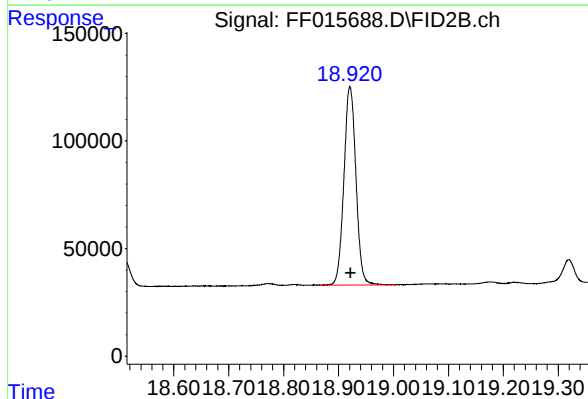
R.T.: 17.199 min
Delta R.T.: -0.001 min
Response: 1393527
Conc: 10.07 ug/ml



#17 n-Tricontane (C30)

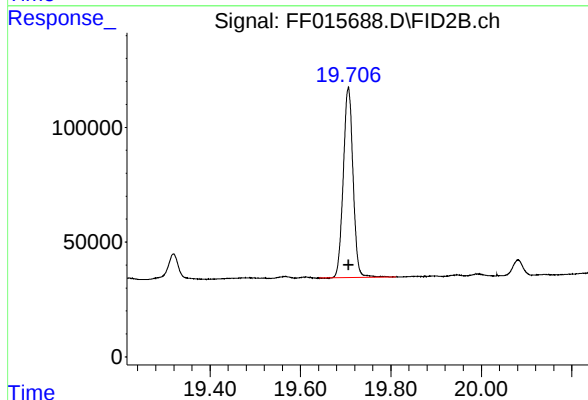
R.T.: 18.087 min
Delta R.T.: -0.001 min
Response: 1439380
Conc: 10.05 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



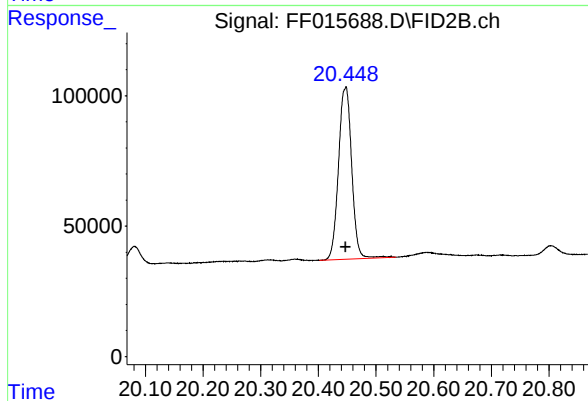
#18 n-Dotriacontane (C32)

R.T.: 18.921 min
Delta R.T.: -0.001 min
Response: 1396830
Conc: 10.09 ug/ml



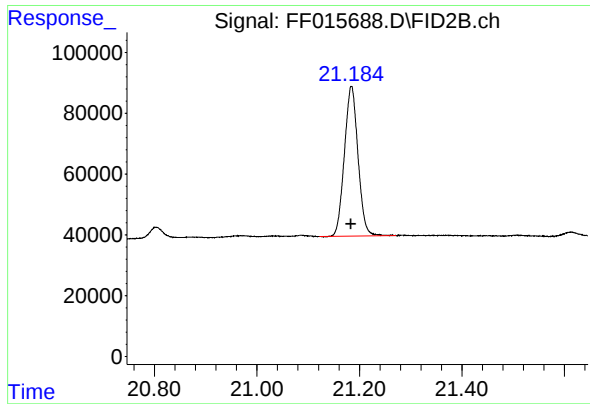
#19 n-Tetratriacontane (C34)

R.T.: 19.706 min
Delta R.T.: 0.000 min
Response: 1244338
Conc: 10.01 ug/ml



#20 n-Hexatriacontane (C36)

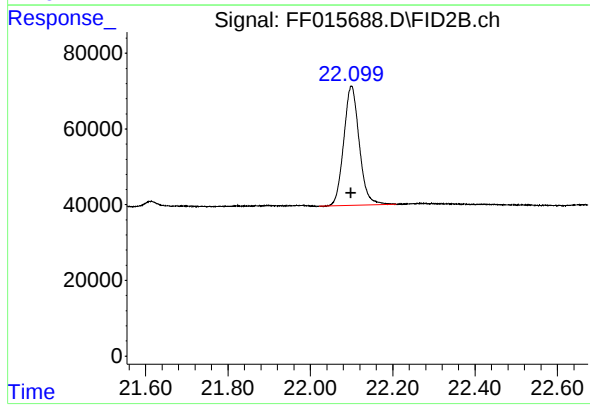
R.T.: 20.447 min
Delta R.T.: 0.000 min
Response: 1046165
Conc: 9.92 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.184 min
Delta R.T.: 0.000 min
Response: 908498
Conc: 9.73 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.100 min
Delta R.T.: 0.000 min
Response: 822595
Conc: 9.59 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015688.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:00
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.310	3.268	3.391	BB	128417	1319054	83.13%	4.600%
2	4.566	4.528	4.651	BB	126788	1332637	83.99%	4.647%
3	6.279	6.245	6.425	BB	104311	1308404	82.46%	4.562%
4	6.733	6.698	6.815	BB	128255	1353221	85.29%	4.719%
5	7.378	7.348	7.541	BB	72745	1171368	73.83%	4.085%
6	8.560	8.511	8.671	BB	121656	1350013	85.09%	4.707%
7	10.168	10.131	10.285	BB	116415	1390616	87.65%	4.849%
8	11.611	11.571	11.731	BB	117015	1433261	90.33%	4.998%
9	11.935	11.895	12.041	BB	135735	1586641	100.00%	5.533%
10	12.922	12.881	13.015	BB	109492	1402567	88.40%	4.891%
11	13.370	13.325	13.485	BB	92602	1164785	73.41%	4.062%
12	13.534	13.495	13.625	BB	112137	1392375	87.76%	4.855%
13	14.122	14.055	14.228	BB	109022	1411308	88.95%	4.921%
14	15.226	15.178	15.335	BB	103957	1421499	89.59%	4.957%
15	16.248	16.198	16.335	BB	101253	1388901	87.54%	4.843%
16	17.199	17.131	17.308	BB	97734	1393527	87.83%	4.859%
17	18.088	18.021	18.191	BB	99283	1439380	90.72%	5.019%
18	18.921	18.865	19.005	BB	91962	1396830	88.04%	4.871%
19	19.706	19.641	19.811	BB	82660	1244338	78.43%	4.339%
20	20.447	20.401	20.535	BV	66333	1046165	65.94%	3.648%
21	21.184	21.121	21.271	BB	49468	908498	57.26%	3.168%
22	22.100	22.021	22.208	BB	31613	822595	51.85%	2.868%
Sum of corrected areas:							28677981	

Aliphatic EPH 031725.M Tue Mar 18 02:44:46 2025

Lab Sample ID:	5 PPM ALIPHATIC HC S	Acq On:	17 Mar 2025 19:29
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015689.D	Misc:	
Instrument:	FID_F	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.209	6.833	1968689.000	15.000	ug/ml
Aliphatic C12-C16	6.834	10.268	1296185.000	10.000	ug/ml
Aliphatic C16-C21	10.269	13.635	2056604.000	15.000	ug/ml
Aliphatic C21-C28	13.636	17.300	2714034.000	20.000	ug/ml
Aliphatic C28-C40	17.301	22.197	3544442.000	30.000	ug/ml
Aliphatic EPH	3.209		11579954.000	90.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015689.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 19:29
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Mar 18 02:23:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:20:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.937	787158	4.921 ug/ml
Spiked Amount 50.000		Recovery =	9.84%
12) S 1-chlorooctadecane (S...	13.372	565760	4.720 ug/ml
Spiked Amount 50.000		Recovery =	9.44%
Target Compounds			
1) T n-Nonane (C9)	3.310	651916	4.938 ug/ml
2) T n-Decane (C10)	4.567	654575	4.873 ug/ml
3) T A~Naphthalene (C11.7)	6.284	581787	4.170 ug/ml
4) T n-Dodecane (C12)	6.734	662198	4.849 ug/ml
5) T A~2-methylnaphthalene...	7.391	459107	3.510 ug/ml
6) T n-Tetradecane (C14)	8.561	642002	4.700 ug/ml
7) T n-Hexadecane (C16)	10.170	654183	4.620 ug/ml
8) T n-Octadecane (C18)	11.613	686997	4.727 ug/ml
10) T n-Eicosane (C20)	12.922	684975	4.822 ug/ml
11) T n-Heneicosane (C21)	13.535	684632	4.865 ug/ml
13) T n-Docosane (C22)	14.123	681413	4.828 ug/ml
14) T n-Tetracosane (C24)	15.227	679559	4.807 ug/ml
15) T n-Hexacosane (C26)	16.250	662207	4.781 ug/ml
16) T n-Octacosane (C28)	17.201	690855	4.994 ug/ml
17) T n-Tricontane (C30)	18.089	754378	5.267 ug/ml
18) T n-Dotriacontane (C32)	18.921	748490	5.406 ug/ml
19) T n-Tetratriacontane (C34)	19.706	656546	5.283 ug/ml
20) T n-Hexatriacontane (C36)	20.447	540749	5.130 ug/ml
21) T n-Octatriacontane (C38)	21.184	447971	4.798 ug/ml
22) T n-Tetracontane (C40)	22.101	396308	4.618 ug/ml

(f)=RT Delta > 1/2 Window

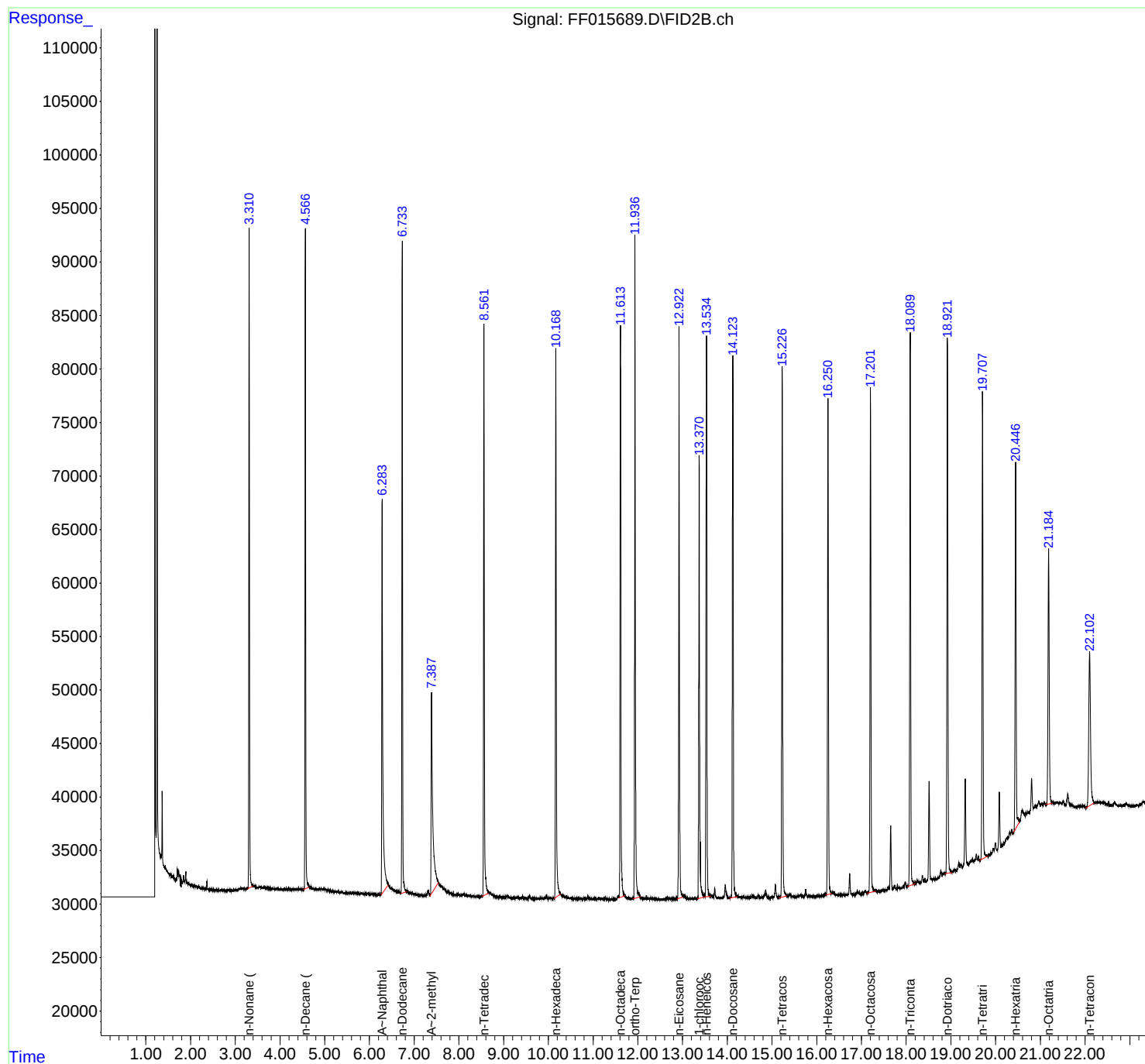
(m)=manual int.

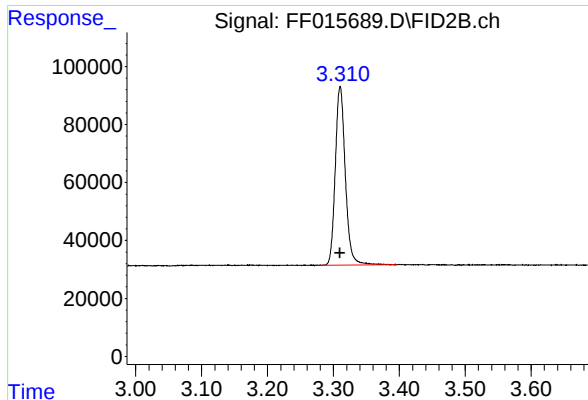
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015689.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:29
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Mar 18 02:23:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:20:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

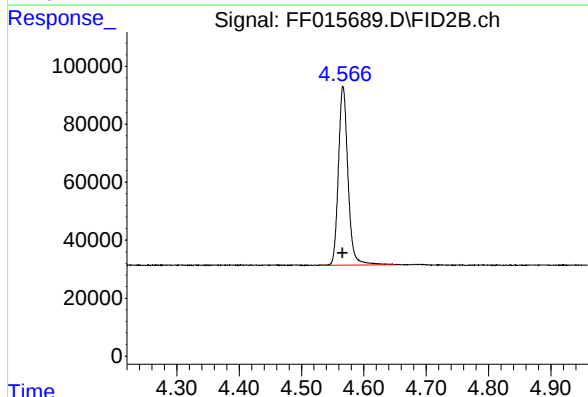




#1 n-Nonane (C9)

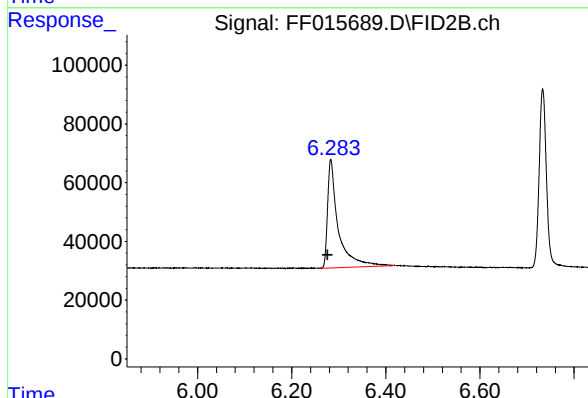
R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 651916
Conc: 4.94 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



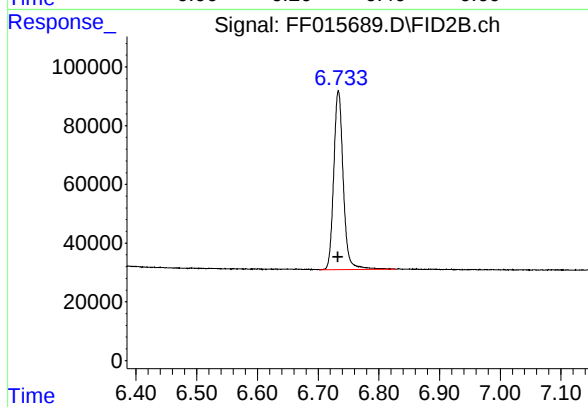
#2 n-Decane (C10)

R.T.: 4.567 min
Delta R.T.: 0.000 min
Response: 654575
Conc: 4.87 ug/ml



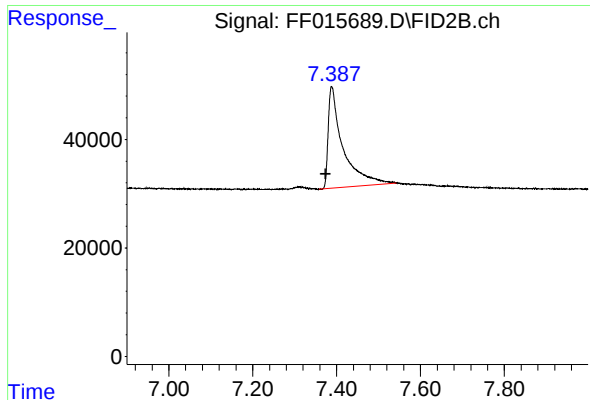
#3 A~Naphthalene (C11.7)

R.T.: 6.284 min
Delta R.T.: 0.007 min
Response: 581787
Conc: 4.17 ug/ml



#4 n-Dodecane (C12)

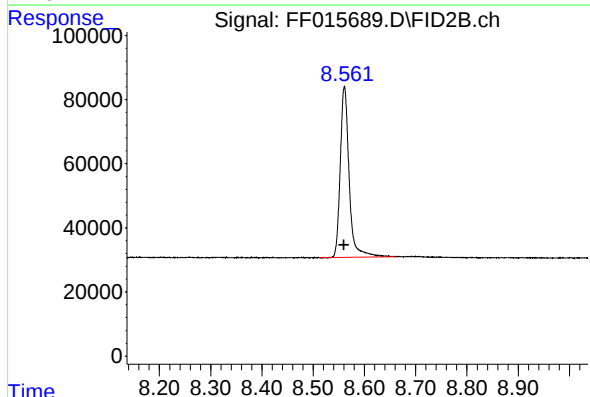
R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 662198
Conc: 4.85 ug/ml



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

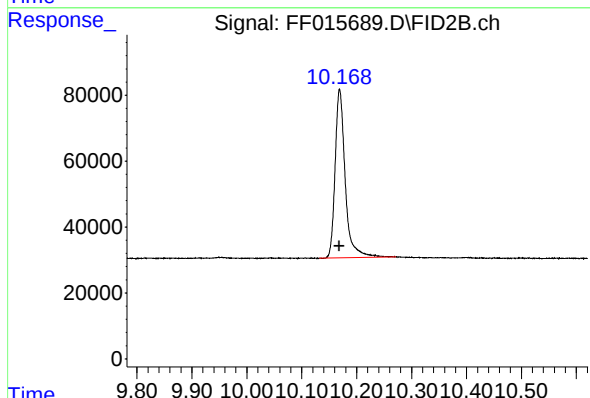
R.T.: 7.391 min
Delta R.T.: 0.017 min
Response: 459107
Conc: 3.51 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



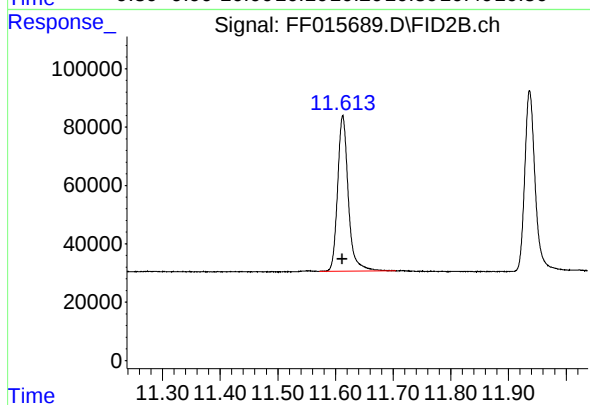
#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: 0.000 min
Response: 642002
Conc: 4.70 ug/ml



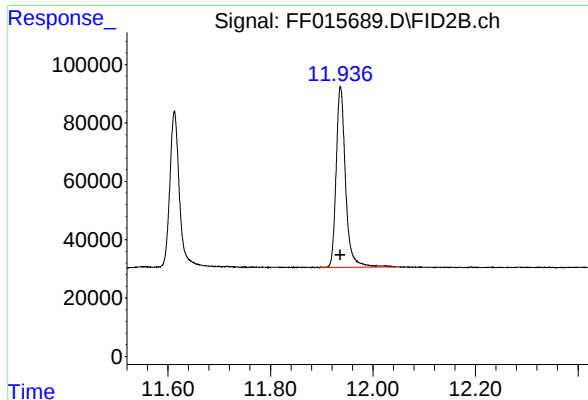
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: 0.001 min
Response: 654183
Conc: 4.62 ug/ml



#8 n-Octadecane (C18)

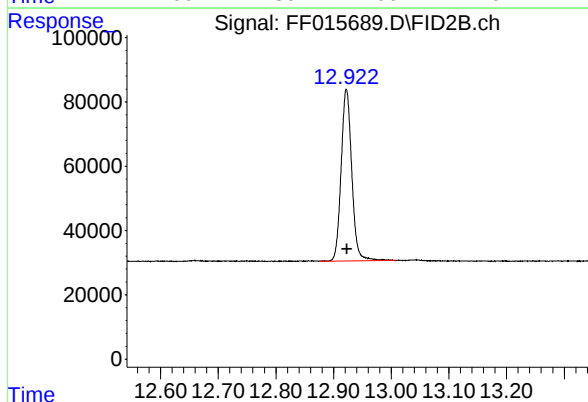
R.T.: 11.613 min
Delta R.T.: 0.000 min
Response: 686997
Conc: 4.73 ug/ml



#9 ortho-Terphenyl (SURR)

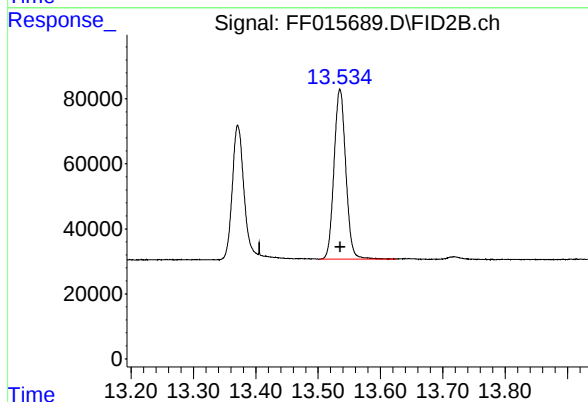
R.T.: 11.937 min
Delta R.T.: 0.001 min
Response: 787158
Conc: 4.92 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



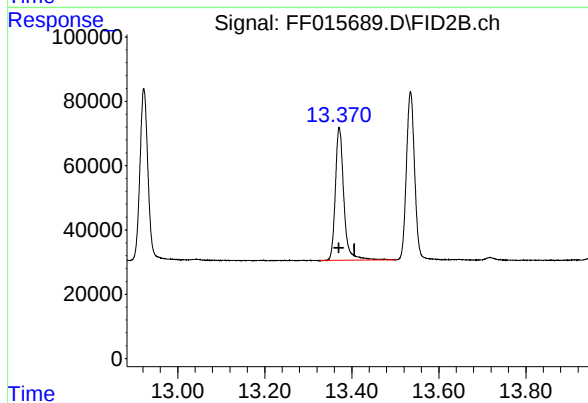
#10 n-Eicosane (C20)

R.T.: 12.922 min
Delta R.T.: 0.000 min
Response: 684975
Conc: 4.82 ug/ml



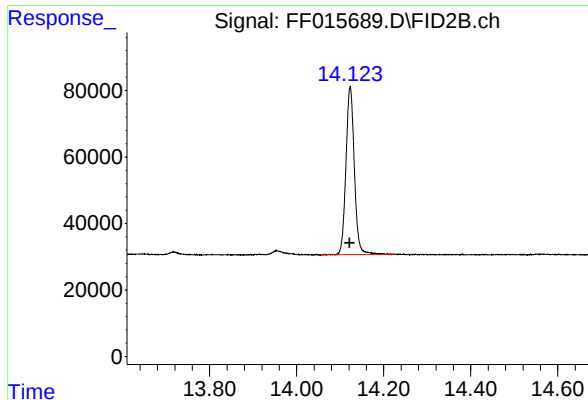
#11 n-Heneicosane (C21)

R.T.: 13.535 min
Delta R.T.: 0.000 min
Response: 684632
Conc: 4.86 ug/ml



#12 1-chlorooctadecane (SURR)

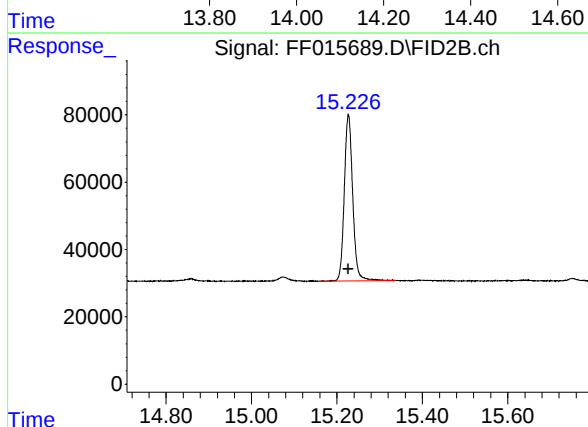
R.T.: 13.372 min
Delta R.T.: 0.001 min
Response: 565760
Conc: 4.72 ug/ml



#13 n-Docosane (C22)

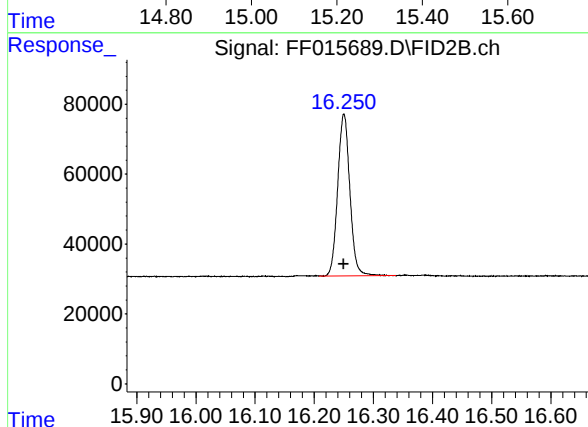
R.T.: 14.123 min
Delta R.T.: 0.000 min
Response: 681413
Conc: 4.83 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



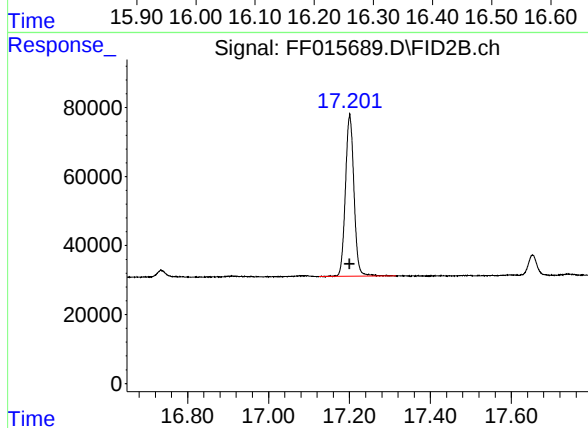
#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: 0.000 min
Response: 679559
Conc: 4.81 ug/ml



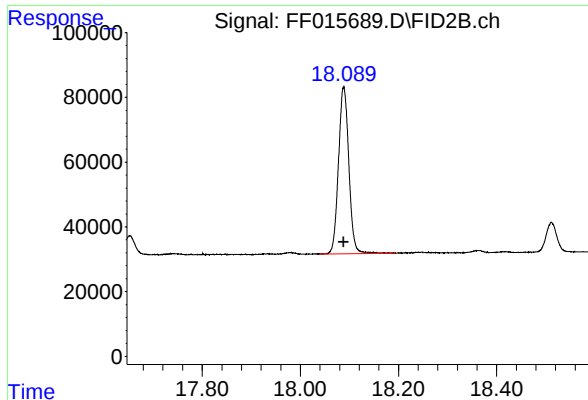
#15 n-Hexacosane (C26)

R.T.: 16.250 min
Delta R.T.: 0.000 min
Response: 662207
Conc: 4.78 ug/ml



#16 n-Octacosane (C28)

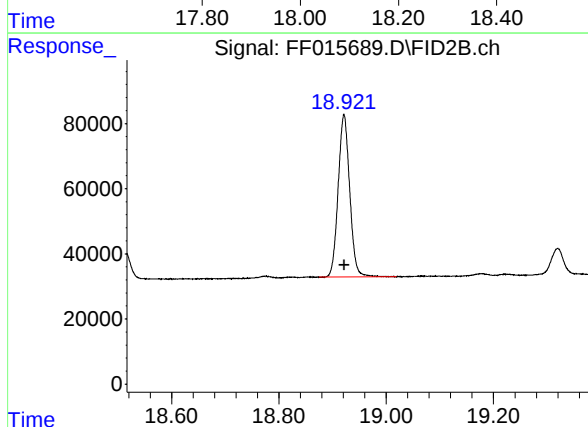
R.T.: 17.201 min
Delta R.T.: 0.000 min
Response: 690855
Conc: 4.99 ug/ml



#17 n-Tricontane (C30)

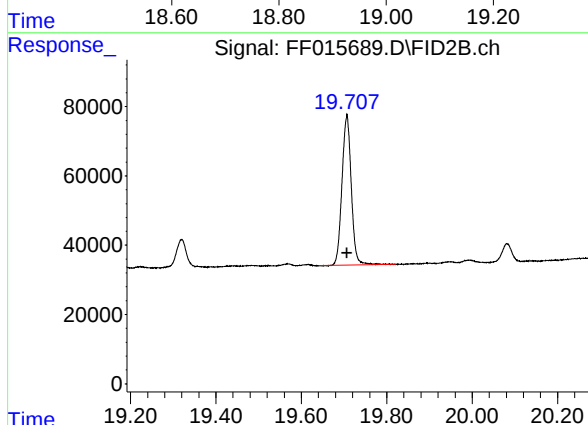
R.T.: 18.089 min
Delta R.T.: 0.000 min
Response: 754378
Conc: 5.27 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



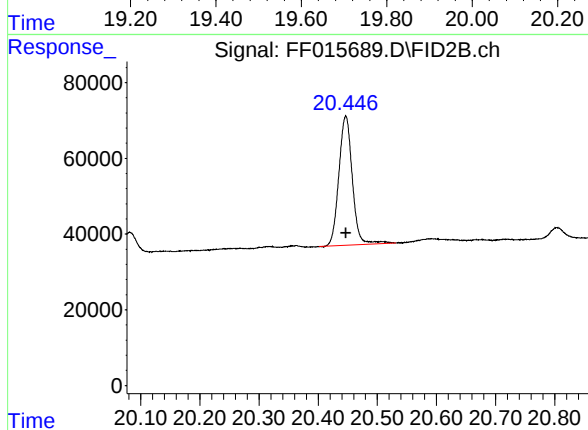
#18 n-Dotriacontane (C32)

R.T.: 18.921 min
Delta R.T.: 0.000 min
Response: 748490
Conc: 5.41 ug/ml



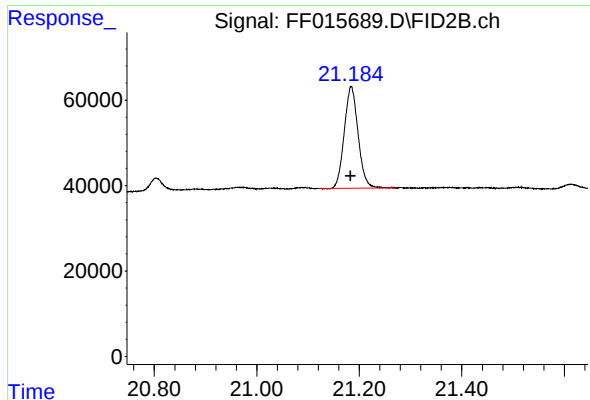
#19 n-Tetatriacontane (C34)

R.T.: 19.706 min
Delta R.T.: 0.000 min
Response: 656546
Conc: 5.28 ug/ml



#20 n-Hexatriacontane (C36)

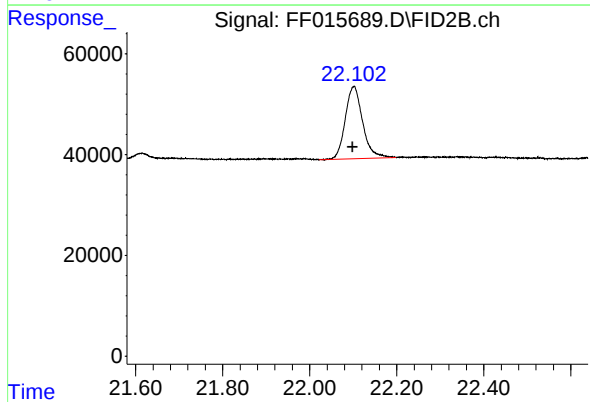
R.T.: 20.447 min
Delta R.T.: 0.000 min
Response: 540749
Conc: 5.13 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.184 min
Delta R.T.: 0.000 min
Response: 447971
Conc: 4.80 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.101 min
Delta R.T.: 0.002 min
Response: 396308
Conc: 4.62 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015689.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:29
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.310	3.278	3.395	BB	61509	651916	82.82%	4.665%
2	4.567	4.528	4.652	BB	61123	654575	83.16%	4.684%
3	6.284	6.258	6.422	BB	36254	581787	73.91%	4.163%
4	6.734	6.702	6.828	BB	60819	662198	84.13%	4.739%
5	7.391	7.358	7.542	BB	18042	459107	58.32%	3.285%
6	8.561	8.512	8.662	BB	53099	642002	81.56%	4.594%
7	10.170	10.132	10.272	BB	51015	654183	83.11%	4.682%
8	11.613	11.572	11.705	BB	53103	686997	87.28%	4.916%
9	11.937	11.895	12.045	BB	61198	787158	100.00%	5.633%
10	12.922	12.875	13.008	BB	53463	684975	87.02%	4.902%
11	13.372	13.325	13.502	BB	41133	565760	71.87%	4.049%
12	13.535	13.502	13.625	BB	52224	684632	86.98%	4.899%
13	14.123	14.052	14.228	BB	50479	681413	86.57%	4.876%
14	15.227	15.158	15.338	BB	49366	679559	86.33%	4.863%
15	16.250	16.208	16.338	BB	46438	662207	84.13%	4.739%
16	17.201	17.125	17.315	BB	46651	690855	87.77%	4.944%
17	18.089	18.038	18.195	BB	51500	754378	95.84%	5.399%
18	18.921	18.875	19.018	BB	49960	748490	95.09%	5.356%
19	19.706	19.642	19.822	BB	42778	656546	83.41%	4.698%
20	20.447	20.402	20.532	BV	34061	540749	68.70%	3.870%
21	21.184	21.122	21.272	BB	23886	447971	56.91%	3.206%
22	22.101	22.022	22.198	BB	14390	396308	50.35%	2.836%
Sum of corrected areas:							13973765	

Aliphatic EPH 031725.M Tue Mar 18 02:45:12 2025

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	20 PPM ALIPHATIC HC S'	Acq On:	17 Mar 2025 19:59
Client Sample ID:	20 PPM ALIPHATIC HC S'	Operator:	YP\AJ
Data file:	FF015690.D	Misc:	
Instrument:	FID_F	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.209	6.833	10659606	82.976	300	ug/ml
Aliphatic C12-C16	6.834	10.268	7992191	60.724	200	ug/ml
Aliphatic C16-C21	10.269	13.635	8348801	61.672	300	ug/ml
Aliphatic C21-C28	13.636	17.300	10489259	79.297	400	ug/ml
Aliphatic C28-C40	17.301	22.197	12056832	111.486	600	ug/ml
Aliphatic EPH	3.209	22.197	49546689	396.155		ug/ml
ortho-Terphenyl (SURR)	11.935	11.935	3078093	20.2		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	2311870	20.37		ug/ml
Aliphatic C9-C28	3.209	17.300	37489857	284.669	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015690.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 19:59
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Mar 18 02:33:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:31:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.935	3078093	20.203 ug/ml
Spiked Amount 50.000		Recovery =	40.41%
12) S 1-chlorooctadecane (S...	13.370	2311870	20.370 ug/ml
Spiked Amount 50.000		Recovery =	40.74%
Target Compounds			
1) T n-Nonane (C9)	3.310	2596801	20.502 ug/ml
2) T n-Decane (C10)	4.566	2644465	20.593 ug/ml
3) T A~Naphthalene (C11.7)	6.277	2742060	21.128 ug/ml
4) T n-Dodecane (C12)	6.733	2676280	20.536 ug/ml
5) T A~2-methylnaphthalene...	7.374	2565770	21.652 ug/ml
6) T n-Tetradecane (C14)	8.561	2661827	20.554 ug/ml
7) T n-Hexadecane (C16)	10.168	2764594	20.674 ug/ml
8) T n-Octadecane (C18)	11.612	2841007	20.631 ug/ml
10) T n-Eicosane (C20)	12.922	2769128	20.547 ug/ml
11) T n-Heneicosane (C21)	13.535	2738666	20.492 ug/ml
13) T n-Docosane (C22)	14.122	2704312	20.209 ug/ml
14) T n-Tetracosane (C24)	15.227	2671046	19.952 ug/ml
15) T n-Hexacosane (C26)	16.250	2601824	19.893 ug/ml
16) T n-Octacosane (C28)	17.201	2512077	19.230 ug/ml
17) T n-Tricontane (C30)	18.089	2491163	18.473 ug/ml
18) T n-Dotriacontane (C32)	18.923	2366505	18.148 ug/ml
19) T n-Tetratriacontane (C34)	19.707	2073223	17.761 ug/ml
20) T n-Hexatriacontane (C36)	20.446	1822987	18.364 ug/ml
21) T n-Octatriacontane (C38)	21.184	1711240	19.586 ug/ml
22) T n-Tetracontane (C40)	22.099	1591714	19.833 ug/ml

(f)=RT Delta > 1/2 Window

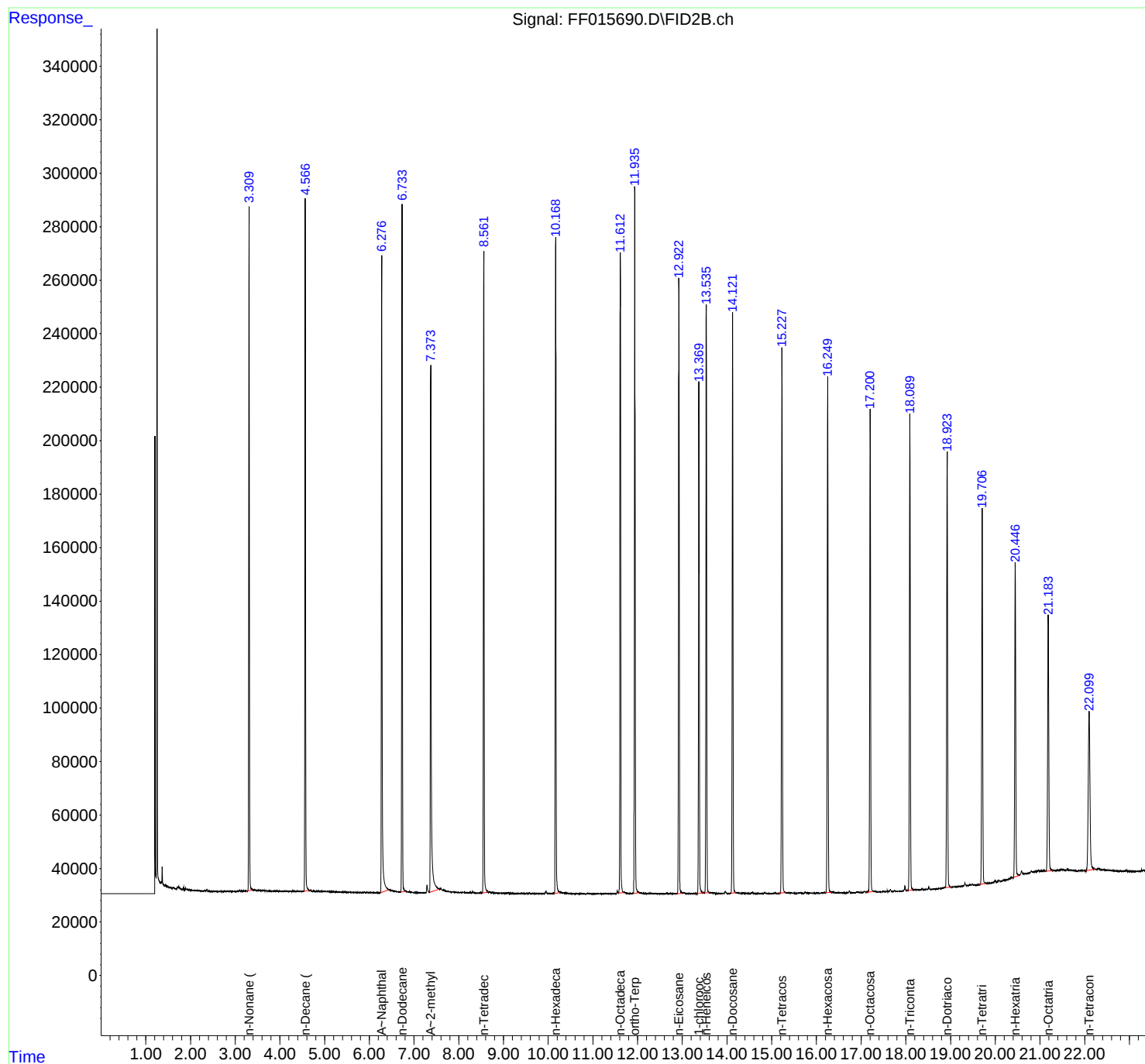
(m)=manual int.

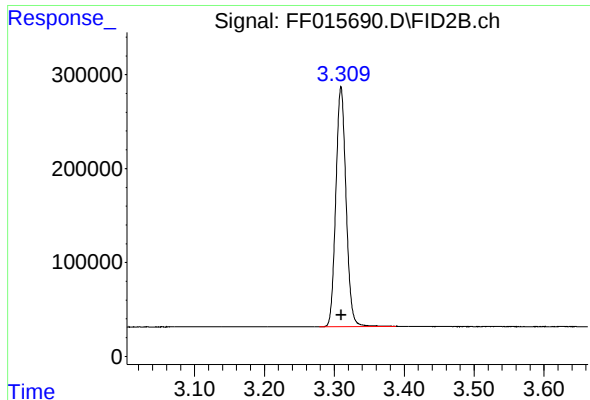
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015690.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:59
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Mar 18 02:33:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 n-Nonane (C9)

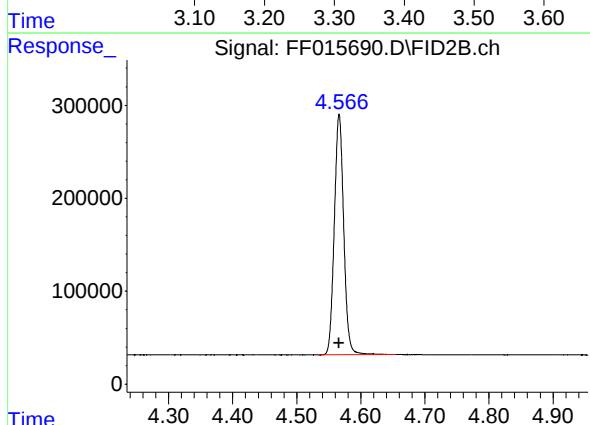
R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 2596801
Conc: 20.50 ug/ml

Instrument :

FID_F

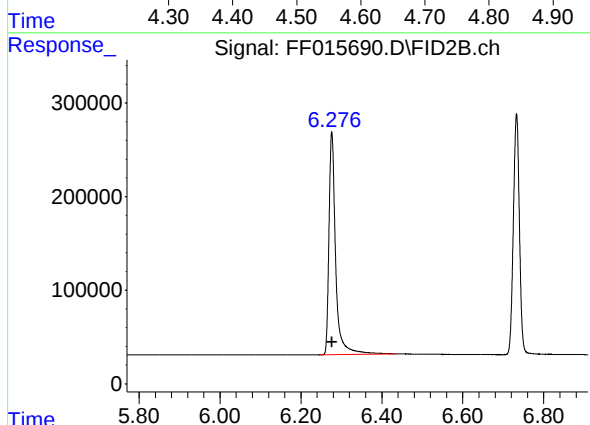
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



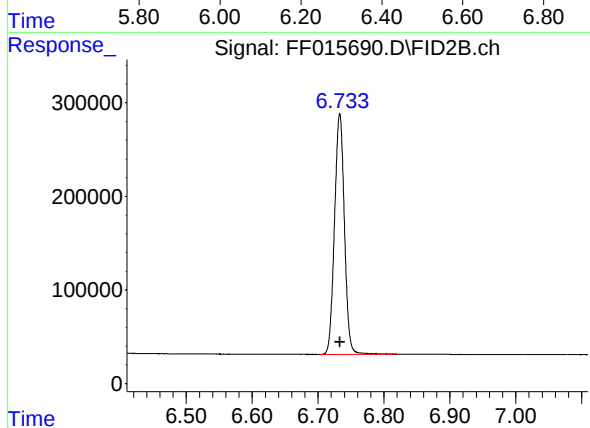
#2 n-Decane (C10)

R.T.: 4.566 min
Delta R.T.: 0.000 min
Response: 2644465
Conc: 20.59 ug/ml



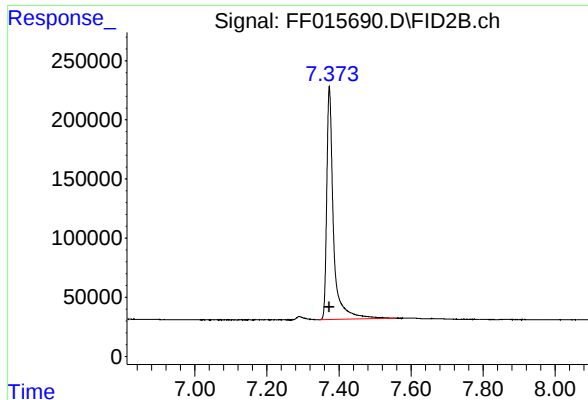
#3 A~Naphthalene (C11.7)

R.T.: 6.277 min
Delta R.T.: 0.000 min
Response: 2742060
Conc: 21.13 ug/ml



#4 n-Dodecane (C12)

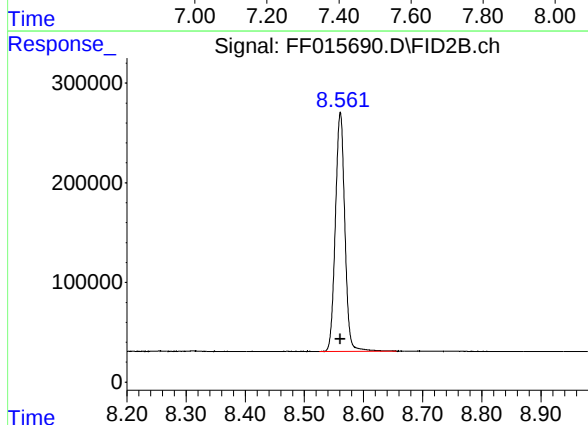
R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 2676280
Conc: 20.54 ug/ml



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

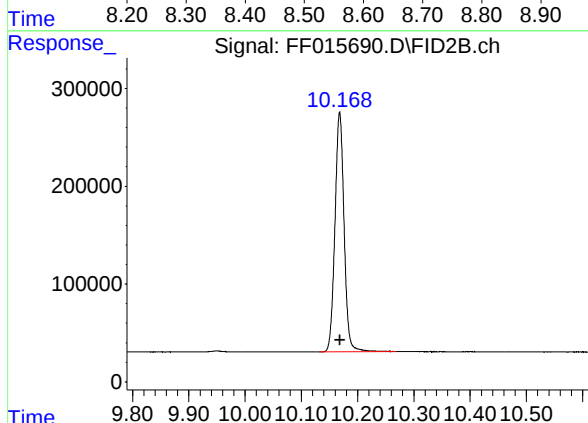
R.T.: 7.374 min
Delta R.T.: 0.000 min
Response: 2565770
Conc: 21.65 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



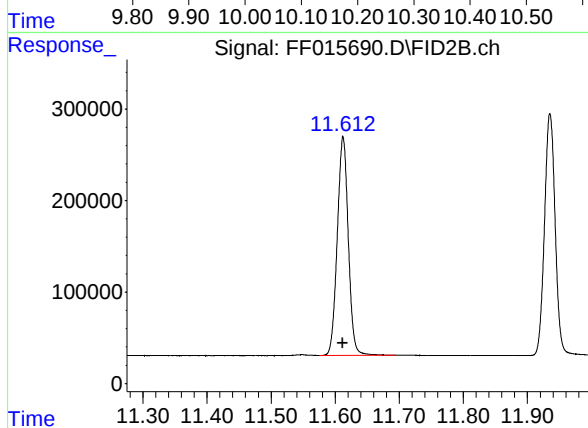
#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: 0.000 min
Response: 2661827
Conc: 20.55 ug/ml



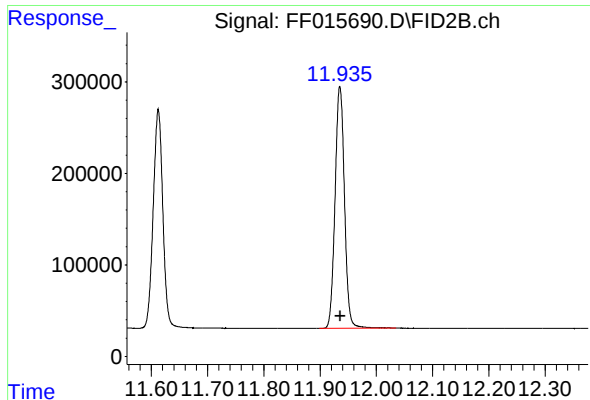
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: 0.000 min
Response: 2764594
Conc: 20.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.612 min
Delta R.T.: 0.000 min
Response: 2841007
Conc: 20.63 ug/ml



#9 ortho-Terphenyl (SURR)

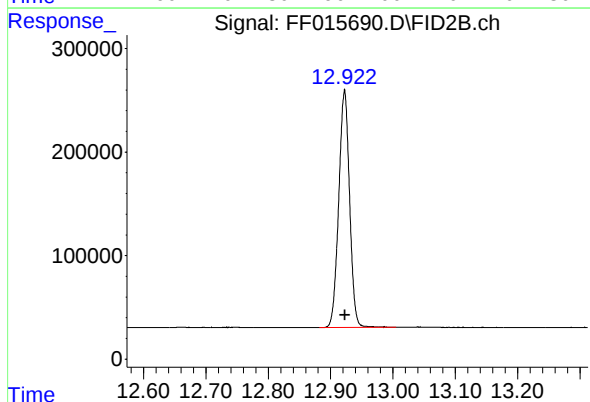
R.T.: 11.935 min
Delta R.T.: 0.000 min
Response: 3078093
Conc: 20.20 ug/ml

Instrument :

FID_F

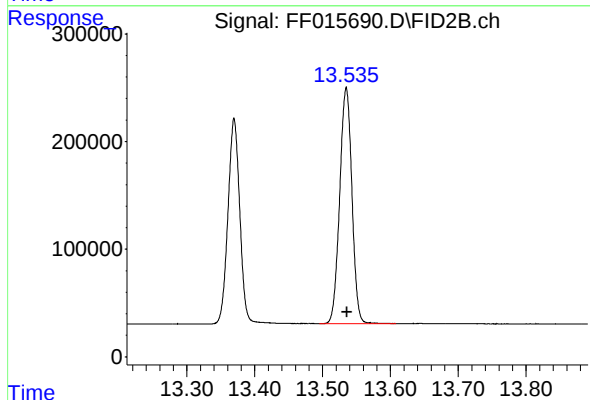
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



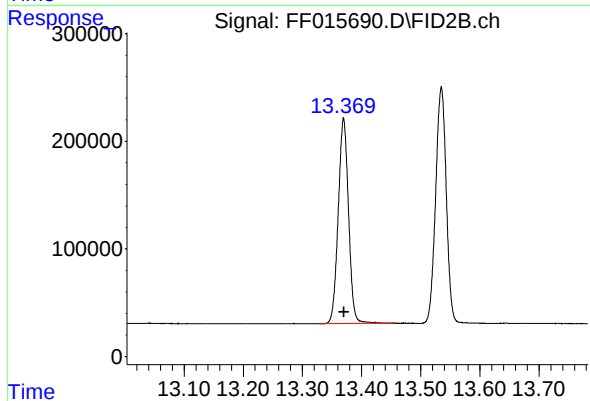
#10 n-Eicosane (C20)

R.T.: 12.922 min
Delta R.T.: 0.000 min
Response: 2769128
Conc: 20.55 ug/ml



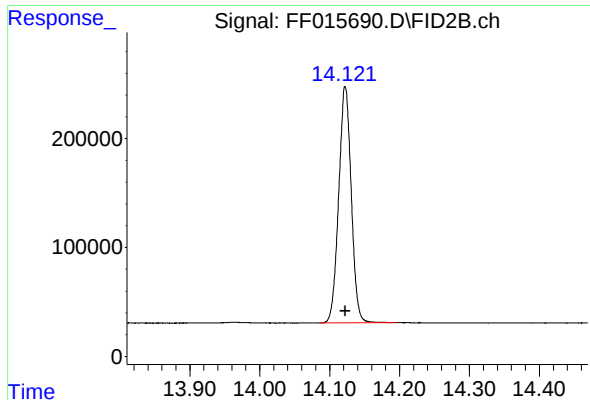
#11 n-Heneicosane (C21)

R.T.: 13.535 min
Delta R.T.: 0.000 min
Response: 2738666
Conc: 20.49 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.370 min
Delta R.T.: 0.000 min
Response: 2311870
Conc: 20.37 ug/ml



#13 n-Docosane (C22)

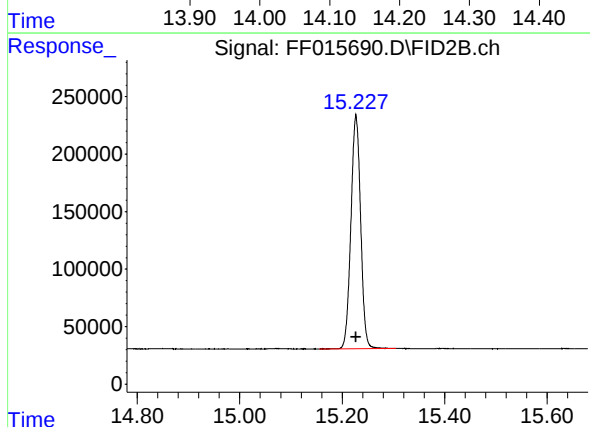
R.T.: 14.122 min
Delta R.T.: 0.000 min
Response: 2704312
Conc: 20.21 ug/ml

Instrument :

FID_F

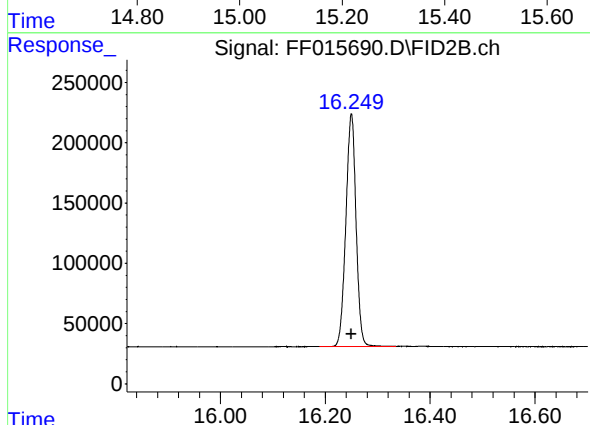
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



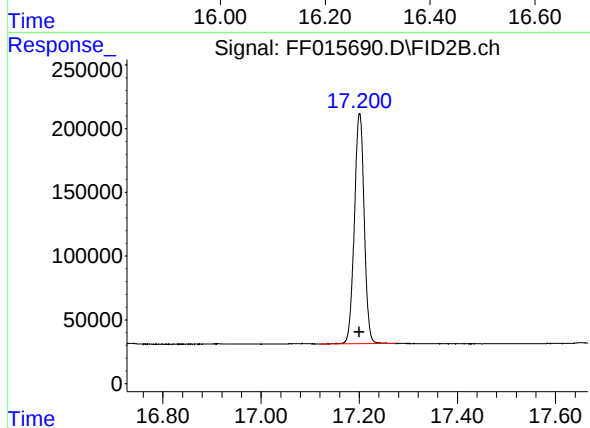
#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: 0.000 min
Response: 2671046
Conc: 19.95 ug/ml



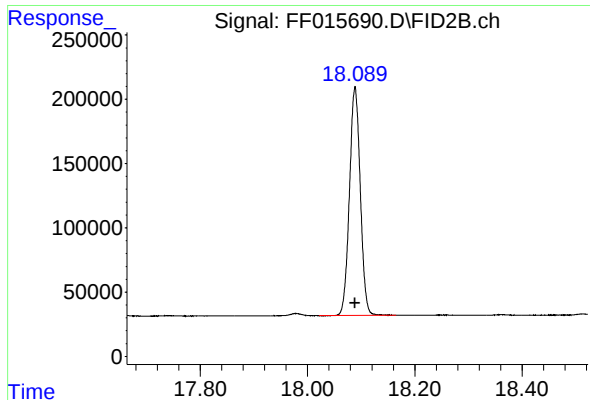
#15 n-Hexacosane (C26)

R.T.: 16.250 min
Delta R.T.: 0.000 min
Response: 2601824
Conc: 19.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.201 min
Delta R.T.: 0.000 min
Response: 2512077
Conc: 19.23 ug/ml



#17 n-Tricontane (C30)

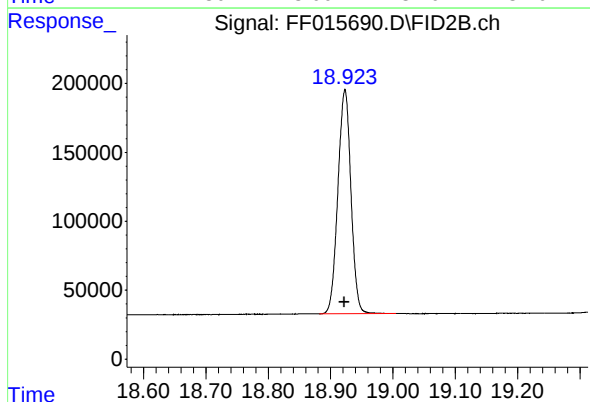
R.T.: 18.089 min
Delta R.T.: 0.000 min
Response: 2491163
Conc: 18.47 ug/ml

Instrument :

FID_F

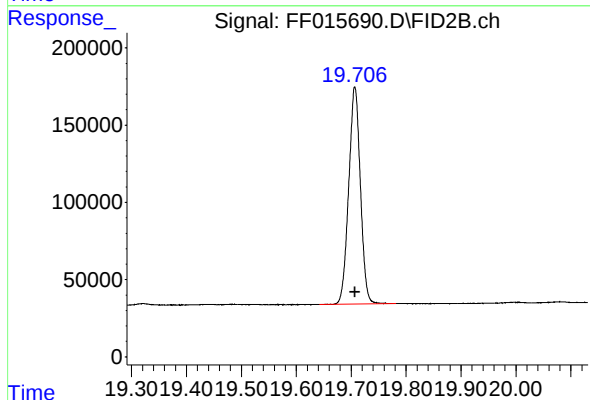
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



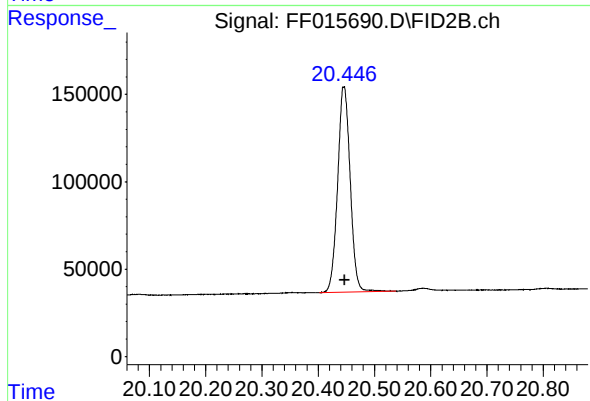
#18 n-Dotriacontane (C32)

R.T.: 18.923 min
Delta R.T.: 0.000 min
Response: 2366505
Conc: 18.15 ug/ml



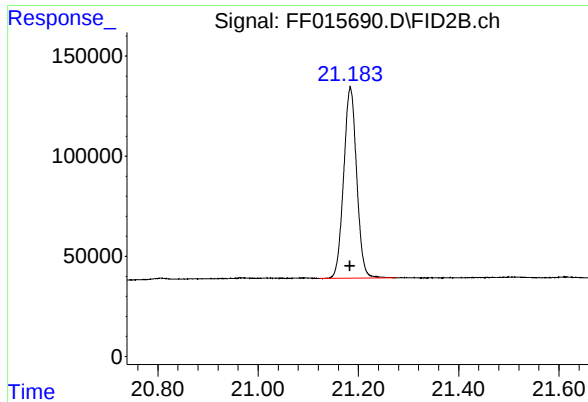
#19 n-Tetratriacontane (C34)

R.T.: 19.707 min
Delta R.T.: 0.000 min
Response: 2073223
Conc: 17.76 ug/ml



#20 n-Hexatriacontane (C36)

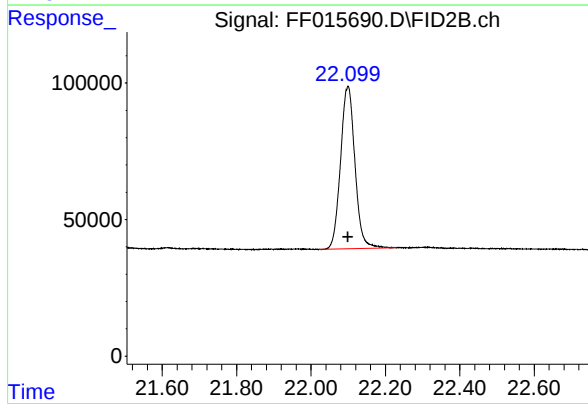
R.T.: 20.446 min
Delta R.T.: -0.001 min
Response: 1822987
Conc: 18.36 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.184 min
Delta R.T.: 0.000 min
Response: 1711240
Conc: 19.59 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.099 min
Delta R.T.: 0.000 min
Response: 1591714
Conc: 19.83 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015690.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:59
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.310	3.278	3.388	BB	253793	2596801	84.36%	4.727%
2	4.566	4.535	4.655	BB	257383	2644465	85.91%	4.814%
3	6.277	6.245	6.435	BB	237451	2742060	89.08%	4.991%
4	6.733	6.702	6.818	BB	255624	2676280	86.95%	4.872%
5	7.374	7.345	7.558	PB	194168	2565770	83.36%	4.670%
6	8.561	8.525	8.655	BB	240509	2661827	86.48%	4.845%
7	10.168	10.132	10.268	BB	244859	2764594	89.82%	5.032%
8	11.612	11.575	11.695	BB	238332	2841007	92.30%	5.171%
9	11.935	11.898	12.035	BB	264771	3078093	100.00%	5.603%
10	12.922	12.882	13.005	BB	227448	2769128	89.96%	5.041%
11	13.370	13.328	13.458	BB	189322	2311870	75.11%	4.208%
12	13.535	13.495	13.608	BB	219105	2738666	88.97%	4.985%
13	14.122	14.085	14.195	BB	218000	2704312	87.86%	4.923%
14	15.227	15.155	15.305	BB	201376	2671046	86.78%	4.862%
15	16.250	16.188	16.335	BB	191942	2601824	84.53%	4.736%
16	17.201	17.118	17.275	BB	181271	2512077	81.61%	4.573%
17	18.089	18.022	18.165	BB	177221	2491163	80.93%	4.535%
18	18.923	18.882	19.005	BB	162002	2366505	76.88%	4.308%
19	19.707	19.642	19.782	BB	140356	2073223	67.35%	3.774%
20	20.446	20.402	20.538	BB	118064	1822987	59.22%	3.318%
21	21.184	21.122	21.275	BB	95229	1711240	55.59%	3.115%
22	22.099	22.022	22.228	BB	59309	1591714	51.71%	2.897%
Sum of corrected areas:							54936650	

Aliphatic EPH 031725.M Tue Mar 18 02:45:33 2025

Initial Calibration Report for SequenceID : FG031725AR

AreaCount

Parameter Range	FG015502.D	FG015503.D	FG015504.D	FG015505.D	FG015506.D	
Aromatic C10-C12	26308403.000	13646067.000	5356264.000	2672678.000	1344384.000	
Aromatic C12-C16	40492472.000	20940760.000	8286344.000	4096782.000	2047703.000	
Aromatic C16-C21	54529163.000	28172992.000	11190203.000	5588718.000	2805377.000	
Aromatic C21-C36	113166303.000	58525947.000	23420337.000	11832868.000	6011171.000	
Aromatic EPH	234496341.000	121285766.000	48253148.000	24191046.000	12208635.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	133996.317	1.316				
Aromatic C12-C16	137151.7279996	1.285				
Aromatic C16-C21	139410.441	1.278				
Aromatic C21-C36	130193.7737774	2.205				
Aromatic EPH	133824.0858888	1.549				

Concentration

Parameter Range	FG015502.D	FG015503.D	FG015504.D	FG015505.D	FG015506.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	FG015502.D	FG015503.D	FG015504.D	FG015505.D	FG015506.D	
Aromatic C10-C12	131542.015000	136460.670000	133906.600000	133633.900000	134438.400000	
Aromatic C12-C16	134974.906666	139605.066666	138105.733333	136559.400000	136513.533333	
Aromatic C16-C21	136322.907500	140864.960000	139877.537500	139717.950000	140268.850000	
Aromatic C21-C36	125740.336666	130057.660000	130112.983333	131476.311111	133581.577777	
Aromatic EPH	130275.745000	134761.962222	134036.522222	134394.700000	135651.500000	

Lab Sample ID: 100 PPM AROMATIC HC

Acq On: 17 Mar 2025 17:32

Client Sample ID:

Operator: YP\AJ

Data file: FG015502.D

Misc:

Instrument: FID_G

ALS Vial: 71

Dilution Factor: 1

Sample Multiplier: 1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.457	6.336	26308403.000	200.000	ug/ml
Aromatic C12-C16	6.337	9.044	40492472.000	300.000	ug/ml
Aromatic C16-C21	9.045	13.372	54529163.000	400.000	ug/ml
Aromatic C21-C36	13.373	18.833	113166303.000	900.000	ug/ml
Aromatic EPH	4.457	18.833	234496341.000	1800.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
 Data File : FG015502.D
 Signal(s) : FID1A.ch
 Acq On : 17 Mar 2025 17:32
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/18/2025
 Supervised By :mohammad ahmed 03/19/2025

Integration File: autoint1.e
 Quant Time: Mar 18 05:05:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:03:12 2025
 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...	7.974	12105537	98.595 ug/ml
Spiked Amount 50.000		Recovery =	197.19%
6) S 2-Fluorobiphenyl (SURR)	8.853	8370393	99.475 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	198.95%#
11) S ortho-Terphenyl (SURR)	11.928	14012330	96.152 ug/ml
Spiked Amount 50.000		Recovery =	192.30%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.562	12840032	96.919 ug/ml
2) T Naphthalene (C11.7)	6.242	13468371	99.522 ug/ml
3) T 2-Methylnaphthalene (...)	7.345	13313235	98.974 ug/ml
5) T Acenaphthylene (C15.06)	8.653	13783047	96.780 ug/ml
7) T Acenaphthene (C15.5)	8.955	13396190	97.506 ug/ml
8) T Flouorene (C16.55)	9.747	13800957	98.061 ug/ml
9) T Phenanthrene (C19.36)	11.159	13756074	97.537 ug/ml
10) T Anthracene (C19.43)	11.237	13373083	97.491 ug/ml
12) T Fluoranthene (C21.85)	12.989	13778619	96.567 ug/ml
13) T Pyrene (C20.8)	13.289	13599049	96.746 ug/ml
14) T Benzo[a]anthracene (C...	15.175	13331057	97.429 ug/ml
15) T Chrysene (C27.41)	15.223	13202695	94.828 ug/ml
16) T benzo[b]fluoranthene ...	16.742	12963312	97.262 ug/ml
17) T Bnezo[k]fluoranthene ...	16.782	12883302	95.182 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.124	12183444	97.050 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.502	11677700	106.908 ug/ml
20) T Dibenz[a,h]anthracene...	18.542	11521430	88.555 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.765	11624744	97.881 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015502.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 17:32
Operator : YP\AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 71 Sample Multiplier: 1

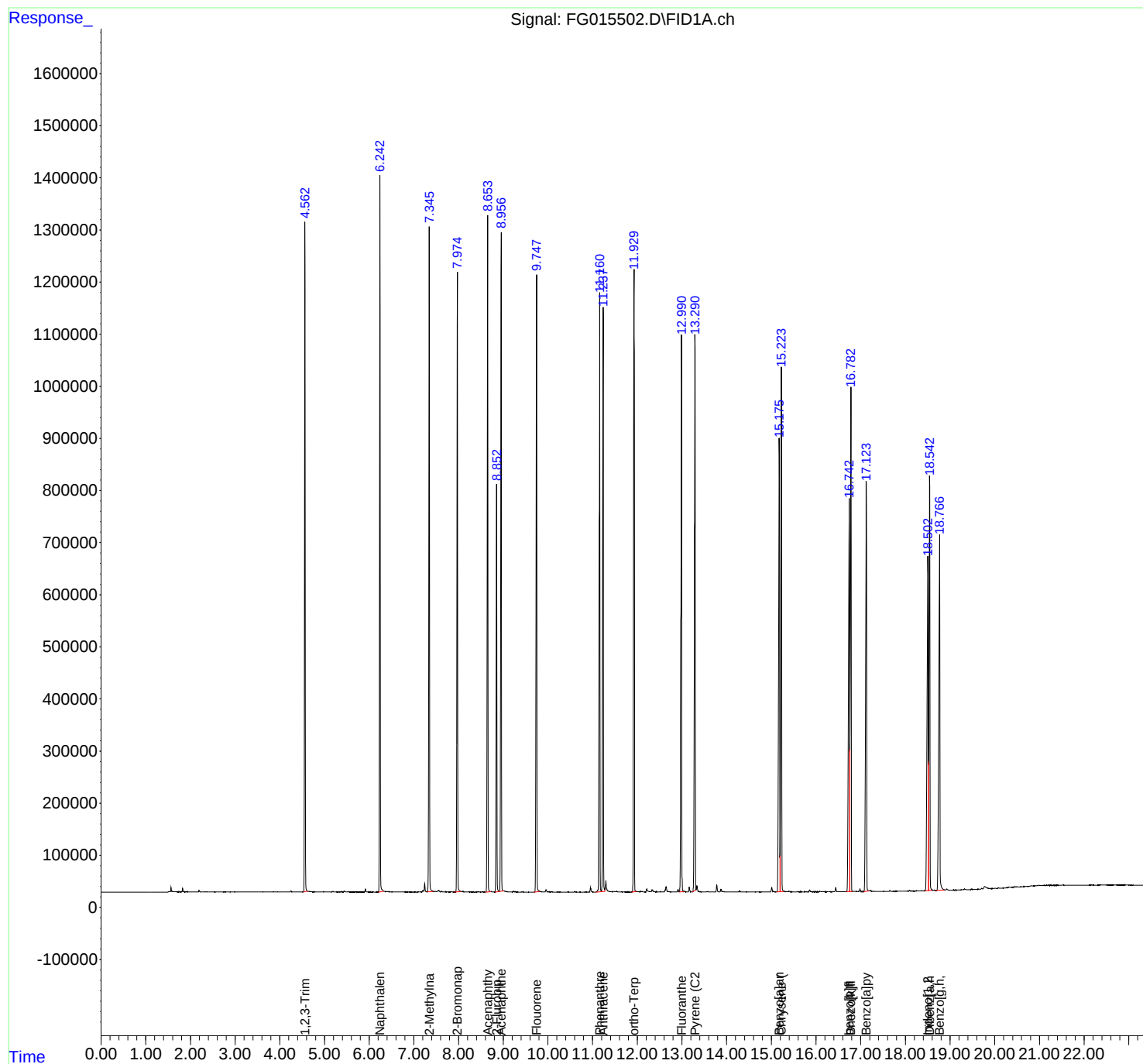
Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1

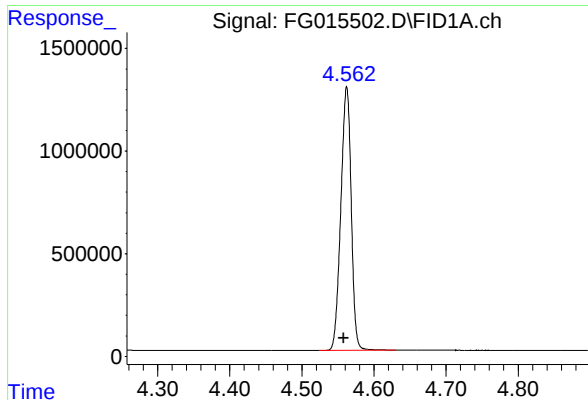
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File: autoint1.e
Quant Time: Mar 18 05:05:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:03:12 2025
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.: 4.562 min
Delta R.T.: 0.004 min
Response: 12840032
Conc: 96.92 ug/ml

Instrument :

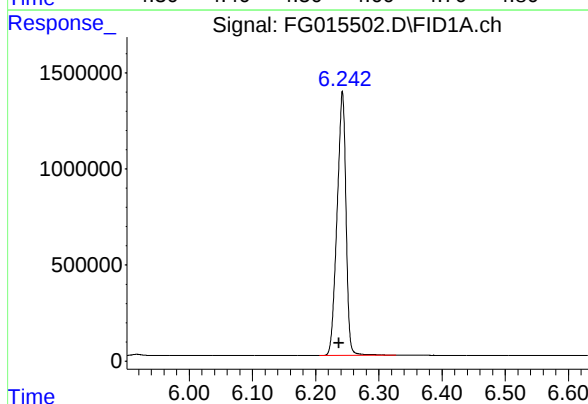
FID_G

ClientSampleId :

100 PPM AROMATIC HC STD1

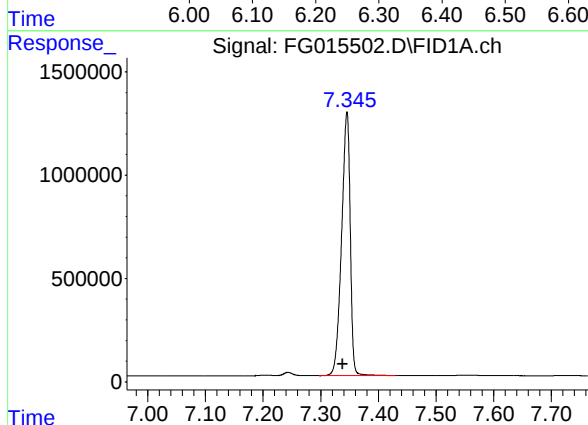
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



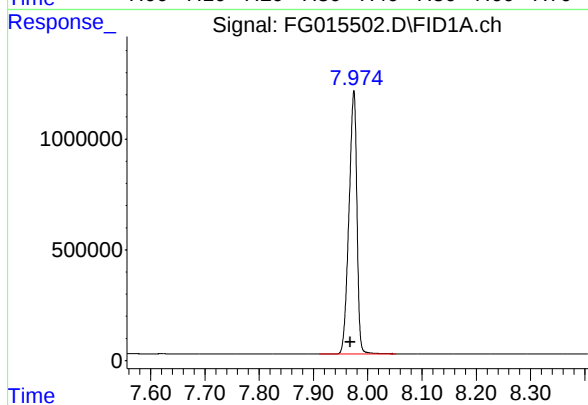
#2 Naphthalene (C11.7)

R.T.: 6.242 min
Delta R.T.: 0.005 min
Response: 13468371
Conc: 99.52 ug/ml



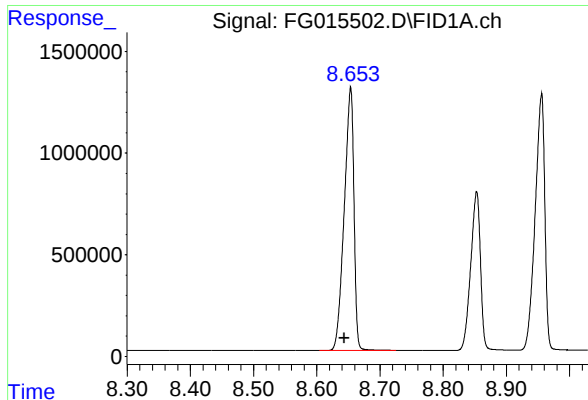
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.345 min
Delta R.T.: 0.007 min
Response: 13313235
Conc: 98.97 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.974 min
Delta R.T.: 0.006 min
Response: 12105537
Conc: 98.59 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.653 min
Delta R.T.: 0.009 min
Response: 13783047
Conc: 96.78 ug/ml

Instrument :

FID_G

ClientSampleId :

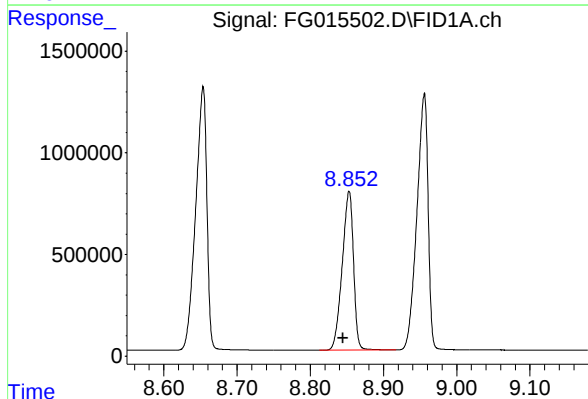
100 PPM AROMATIC HC STD1

Manual Integrations

APPROVED

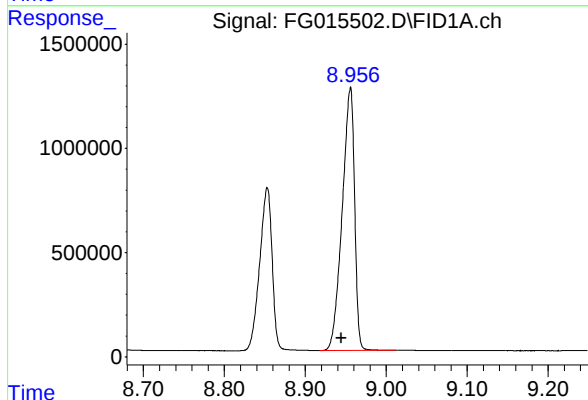
Reviewed By :Yogesh Patel 03/18/2025

Supervised By :mohammad ahmed 03/19/2025



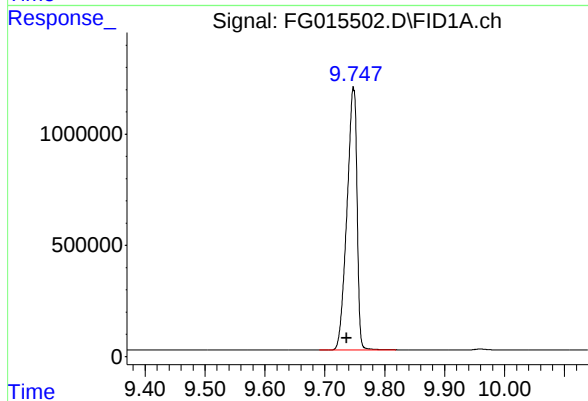
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.853 min
Delta R.T.: 0.008 min
Response: 8370393
Conc: 99.48 ug/ml



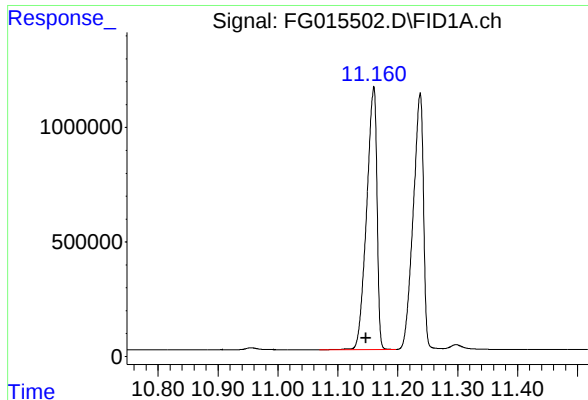
#7 Acenaphthene (C15.5)

R.T.: 8.955 min
Delta R.T.: 0.011 min
Response: 13396190
Conc: 97.51 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.747 min
Delta R.T.: 0.011 min
Response: 13800957
Conc: 98.06 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.159 min
Delta R.T.: 0.012 min
Response: 13756074
Conc: 97.54 ug/ml

Instrument :

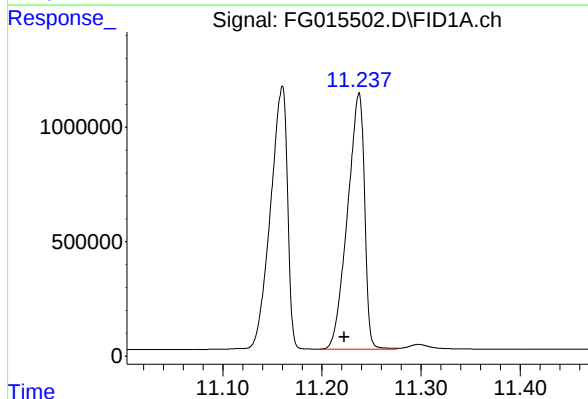
FID_G

ClientSampleId :

100 PPM AROMATIC HC STD1

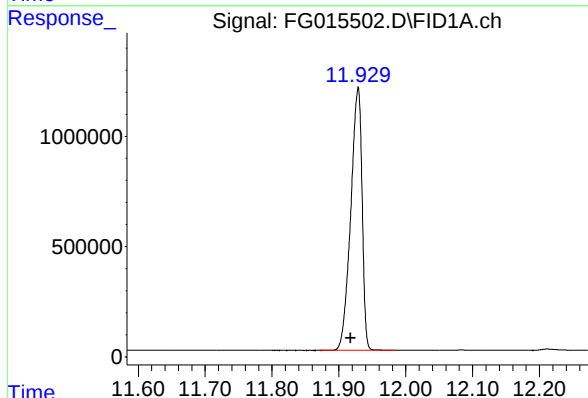
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



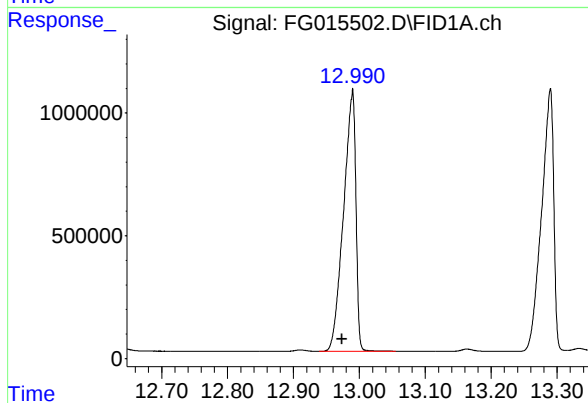
#10 Anthracene (C19.43)

R.T.: 11.237 min
Delta R.T.: 0.014 min
Response: 13373083
Conc: 97.49 ug/ml



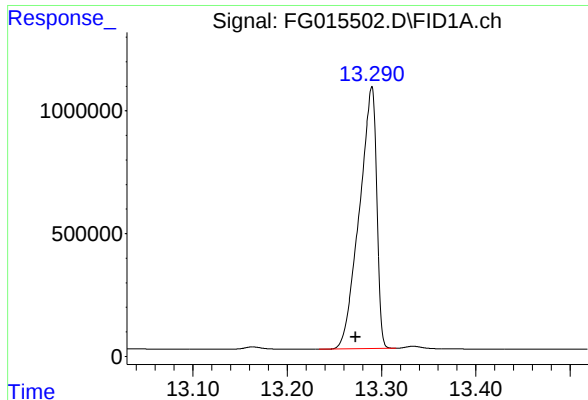
#11 ortho-Terphenyl (SURR)

R.T.: 11.928 min
Delta R.T.: 0.010 min
Response: 14012330
Conc: 96.15 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.989 min
Delta R.T.: 0.015 min
Response: 13778619
Conc: 96.57 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.289 min
Delta R.T.: 0.016 min
Response: 13599049
Conc: 96.75 ug/ml

Instrument :

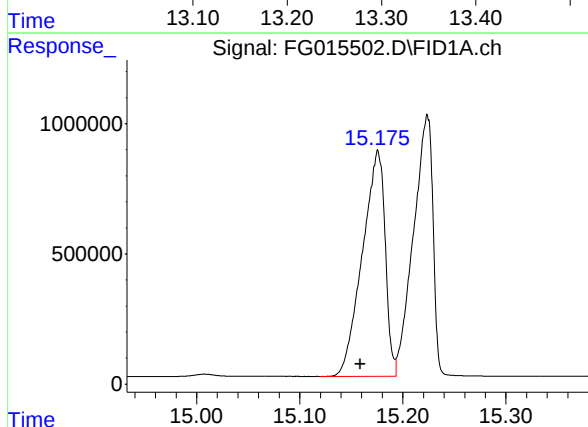
FID_G

ClientSampleId :

100 PPM AROMATIC HC STD1

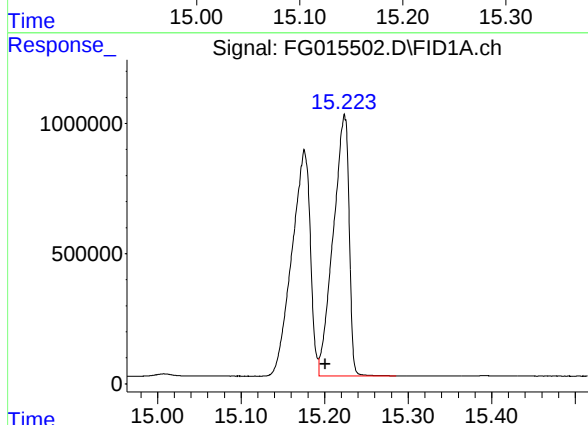
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



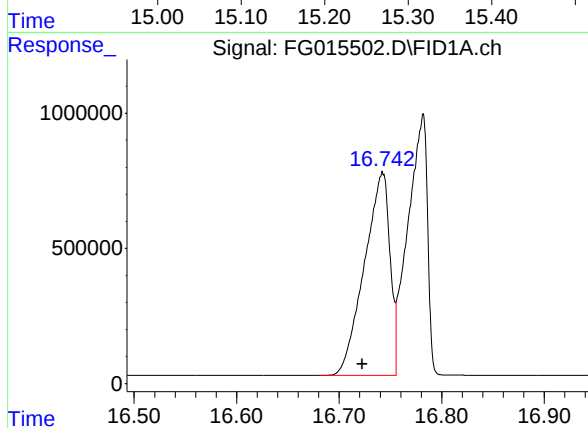
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.175 min
Delta R.T.: 0.017 min
Response: 13331057
Conc: 97.43 ug/ml



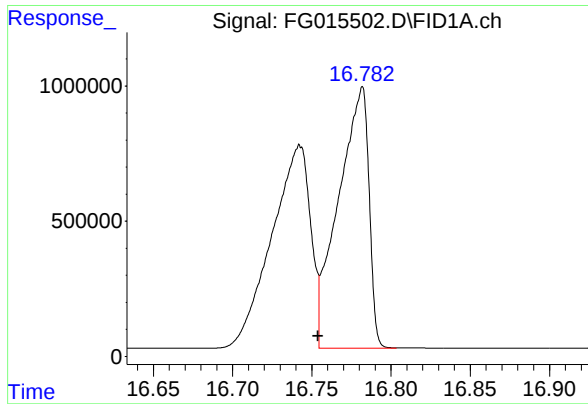
#15 Chrysene (C27.41)

R.T.: 15.223 min
Delta R.T.: 0.022 min
Response: 13202695
Conc: 94.83 ug/ml



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

R.T.: 16.742 min
Delta R.T.: 0.019 min
Response: 12963312
Conc: 97.26 ug/ml



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

R.T.: 16.782 min
Delta R.T.: 0.028 min
Response: 12883302
Conc: 95.18 ug/ml

Instrument :

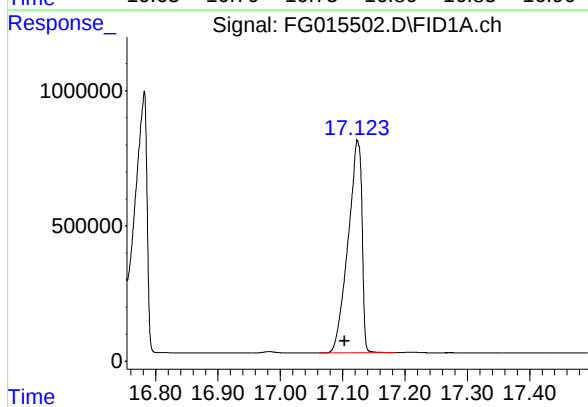
FID_G

ClientSampleId :

100 PPM AROMATIC HC STD1

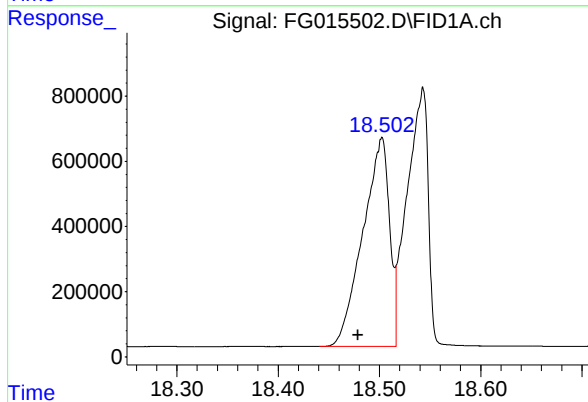
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



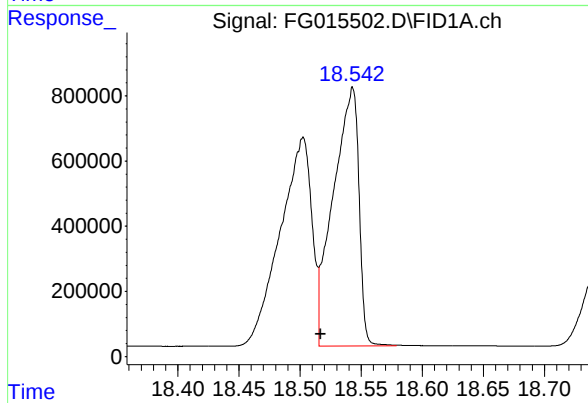
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.124 min
Delta R.T.: 0.021 min
Response: 12183444
Conc: 97.05 ug/ml



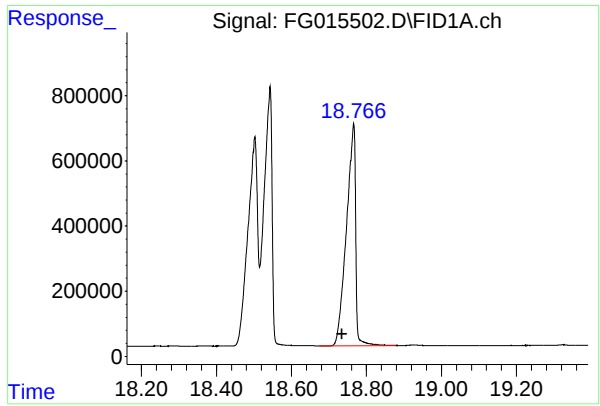
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.502 min
Delta R.T.: 0.023 min
Response: 11677700
Conc: 106.91 ug/ml



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

R.T.: 18.542 min
Delta R.T.: 0.026 min
Response: 11521430
Conc: 88.56 ug/ml m



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

R.T.: 18.765 min
Delta R.T.: 0.030 min
Response: 11624744
Conc: 97.88 ug/ml

Instrument :

FID_G

ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/18/2025

Supervised By :mohammad ahmed 03/19/2025

rteres

Instrument :
FID_G
LabSampleId :
100 PPM AROMATIC HC STD1
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725
Data File : FG015502.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 17:32
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.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	4.562	4.524	4.630	BB	1286868	12840032	91.63%	4.776%
2	6.242	6.205	6.327	BB	1378263	13468371	96.12%	5.010%
3	7.345	7.297	7.430	BB	1277161	13313235	95.01%	4.952%
4	7.974	7.910	8.052	BB	1183626	12105537	86.39%	4.503%
5	8.653	8.604	8.725	BB	1304910	13783047	98.36%	5.127%
6	8.853	8.812	8.917	BV	779899	8370393	59.74%	3.113%
7	8.955	8.917	9.012	PB	1257547	13396190	95.60%	4.983%
8	9.747	9.690	9.819	BB	1182719	13800957	98.49%	5.133%
9	11.159	11.069	11.197	BV	1131903	13756074	98.17%	5.117%
10	11.237	11.197	11.275	VV	1118319	13373083	95.44%	4.974%
11	11.928	11.870	11.985	BB	1195352	14012330	100.00%	5.212%
12	12.989	12.939	13.055	BB	1040082	13778619	98.33%	5.125%
13	13.289	13.234	13.315	BV	1061802	13599049	97.05%	5.058%
14	15.175	15.119	15.193	BV	870623	13331057	95.14%	4.959%
15	15.223	15.193	15.285	VB	1006887	13202695	94.22%	4.911%
16	16.742	16.680	16.755	BV	752513	12963312	92.51%	4.822%
17	16.780	16.755	16.825	VB	940291	12801086	91.36%	4.761%
18	17.124	17.062	17.185	BB	785544	12183444	86.95%	4.532%
19	18.502	18.440	18.516	BV	640919	11677700	83.34%	4.344%
20	18.542	18.516	18.605	VB	786324	11471033	81.86%	4.267%
21	18.765	18.674	18.879	BB	682159	11624744	82.96%	4.324%
Sum of corrected areas:						268851988		

Aromatic EPH 031725.M Tue Mar 18 05:30:15 2025

Lab Sample ID:	50 PPM AROMATIC HC	Acq On:	17 Mar 2025 18:01
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015503.D	Misc:	
Instrument:	FID_G	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.457	6.336	13646067.000	100.000	ug/ml
Aromatic C12-C16	6.337	9.044	20940760.000	150.000	ug/ml
Aromatic C16-C21	9.045	13.372	28172992.000	200.000	ug/ml
Aromatic C21-C36	13.373	18.833	58525947.000	450.000	ug/ml
Aromatic EPH	4.457	18.833	121285766.000	900.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
 Data File : FG015503.D
 Signal(s) : FID1A.ch
 Acq On : 17 Mar 2025 18:01
 Operator : YP\AJ
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM AROMATIC HC STD2

Integration File: autoint1.e
 Quant Time: Mar 18 05:05:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:03:12 2025
 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...	7.970	6252076	50.921 ug/ml
Spiked Amount 50.000		Recovery =	101.84%
6) S 2-Fluorobiphenyl (SURR)	8.848	4317875	51.314 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	102.63%
11) S ortho-Terphenyl (SURR)	11.922	7266771	49.864 ug/ml
Spiked Amount 50.000		Recovery =	99.73%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.559	6683567	50.449 ug/ml
2) T Naphthalene (C11.7)	6.238	6962500	51.448 ug/ml
3) T 2-Methylnaphthalene (...)	7.341	6863854	51.028 ug/ml
5) T Acenaphthylene (C15.06)	8.647	7140045	50.135 ug/ml
7) T Acenaphthene (C15.5)	8.948	6936861	50.491 ug/ml
8) T Fluorene (C16.55)	9.741	7121120	50.598 ug/ml
9) T Phenanthrene (C19.36)	11.152	7081296	50.210 ug/ml
10) T Anthracene (C19.43)	11.228	6911119	50.382 ug/ml
12) T Fluoranthene (C21.85)	12.980	7142483	50.058 ug/ml
13) T Pyrene (C20.8)	13.279	7059457	50.222 ug/ml
14) T Benzo[a]anthracene (C...	15.167	6915741	50.543 ug/ml
15) T Chrysene (C27.41)	15.211	6897314	49.540 ug/ml
16) T benzo[b]fluoranthene ...	16.730	6698936	50.261 ug/ml
17) T Bnezo[k]fluoranthene ...	16.766	6683367	49.377 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.112	6306419	50.235 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.488	5779285	52.909 ug/ml
20) T Dibenz[a,h]anthracene...	18.527	6138030	47.178 ug/ml
21) T Benzo[g,h,i]perylene ...	18.746	5964372	50.220 ug/ml

(f)=RT Delta > 1/2 Window

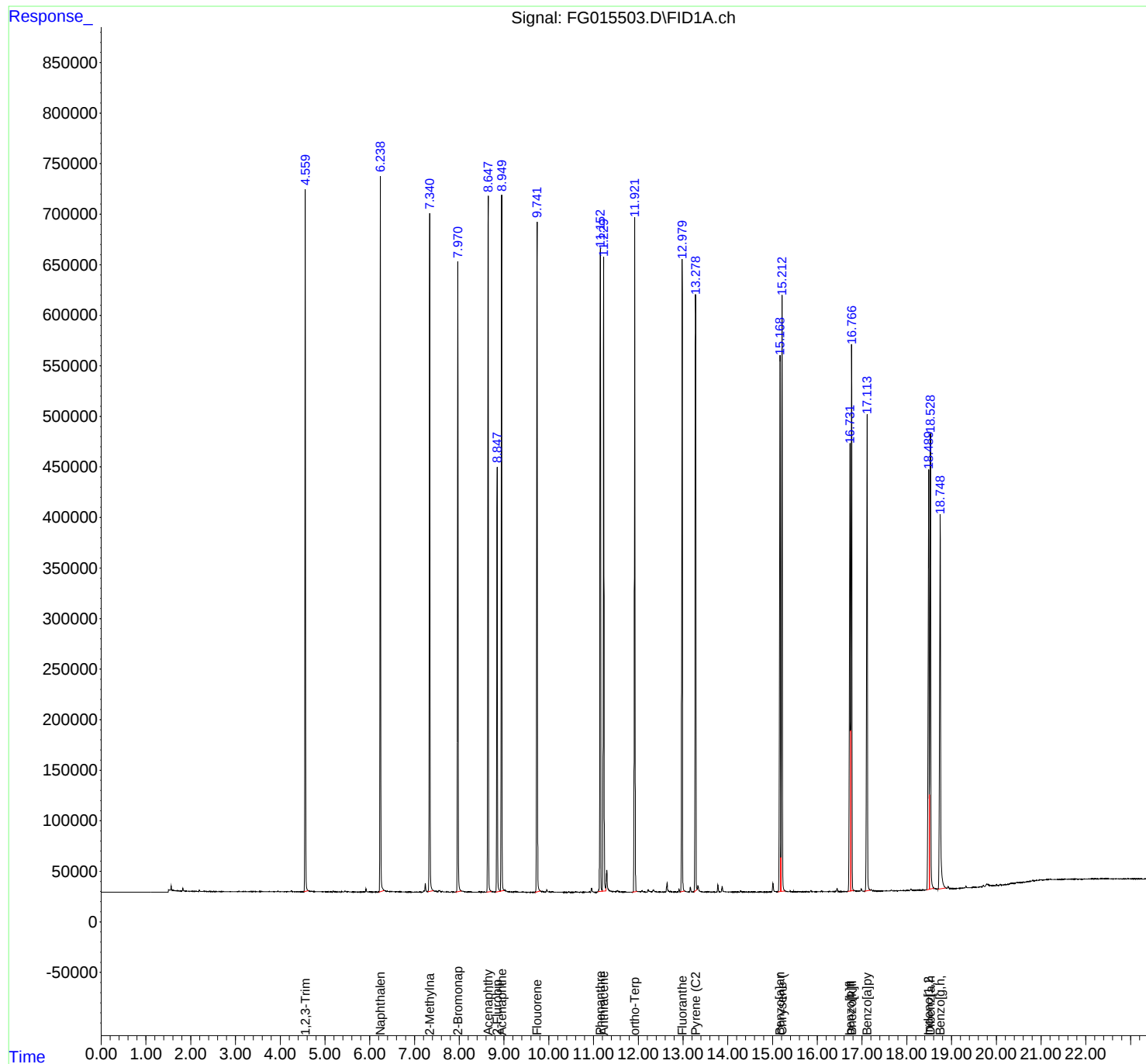
(m)=manual int.

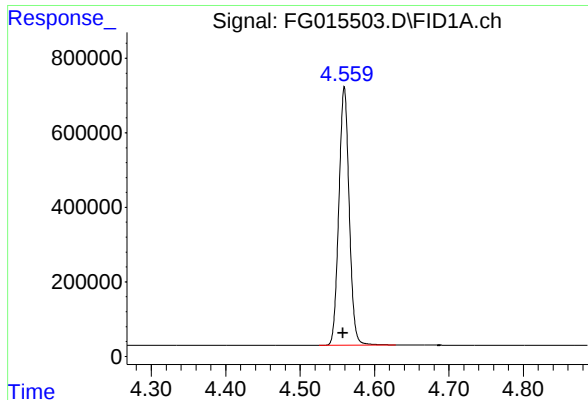
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015503.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 18:01
Operator : YP\AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Mar 18 05:05:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:03:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

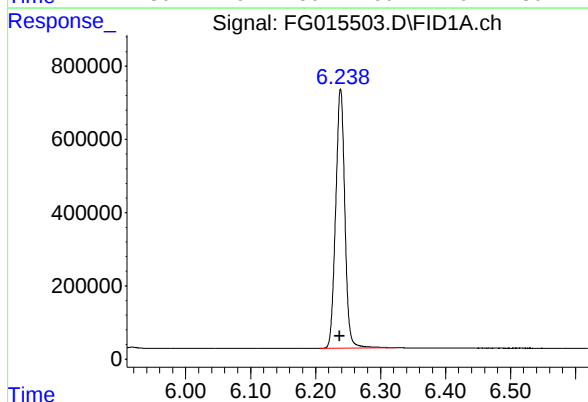




#1 1,2,3-Trimethylbenzene (C10.1)

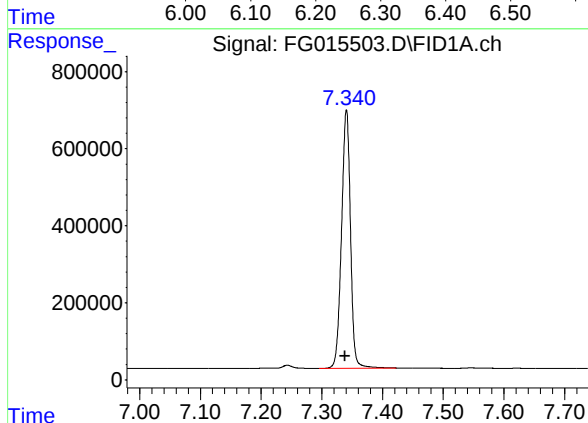
R.T.: 4.559 min
Delta R.T.: 0.001 min
Response: 6683567
Conc: 50.45 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



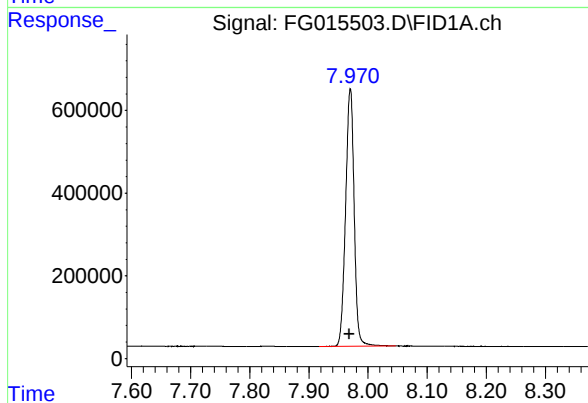
#2 Naphthalene (C11.7)

R.T.: 6.238 min
Delta R.T.: 0.002 min
Response: 6962500
Conc: 51.45 ug/ml



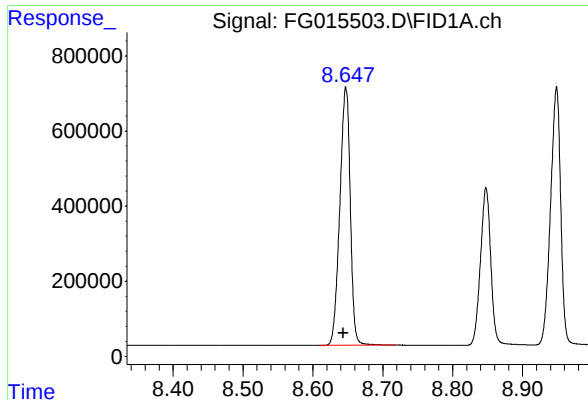
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.341 min
Delta R.T.: 0.002 min
Response: 6863854
Conc: 51.03 ug/ml



#4 2-Bromonaphthalene (SURR)

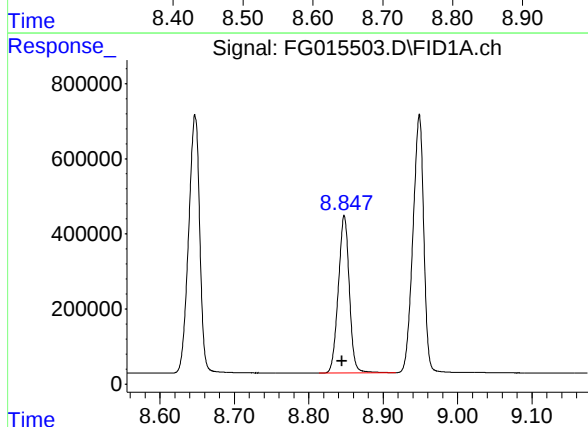
R.T.: 7.970 min
Delta R.T.: 0.002 min
Response: 6252076
Conc: 50.92 ug/ml



#5 Acenaphthylene (C15.06)

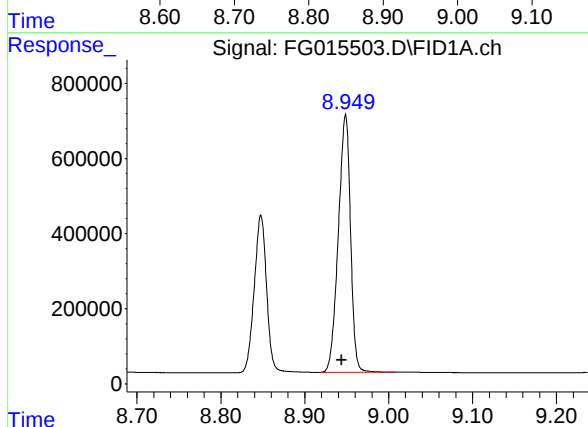
R.T.: 8.647 min
Delta R.T.: 0.003 min
Response: 7140045
Conc: 50.13 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



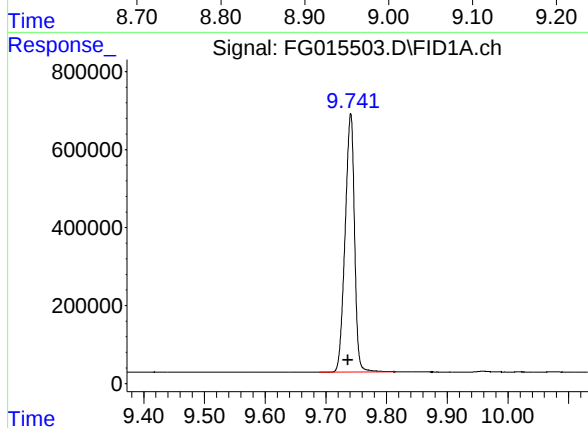
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.848 min
Delta R.T.: 0.003 min
Response: 4317875
Conc: 51.31 ug/ml



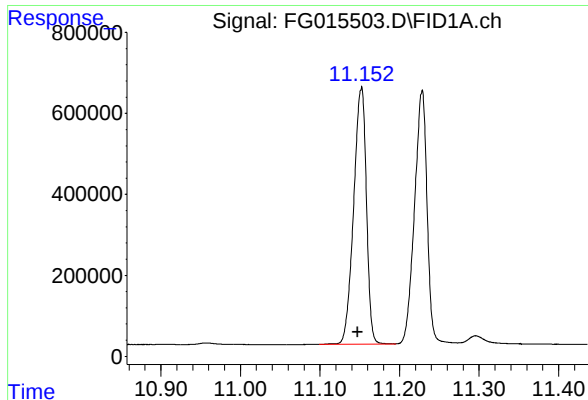
#7 Acenaphthene (C15.5)

R.T.: 8.948 min
Delta R.T.: 0.004 min
Response: 6936861
Conc: 50.49 ug/ml



#8 Fluorene (C16.55)

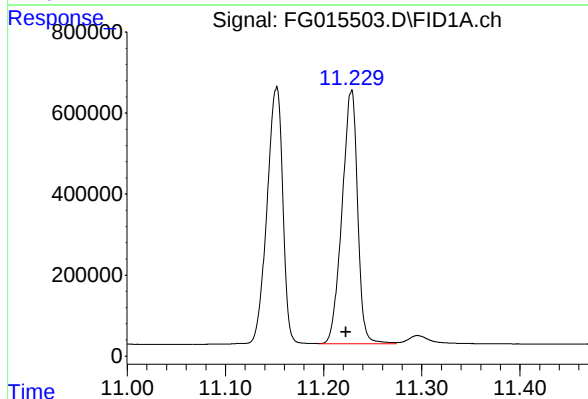
R.T.: 9.741 min
Delta R.T.: 0.004 min
Response: 7121120
Conc: 50.60 ug/ml



#9 Phenanthrene (C19.36)

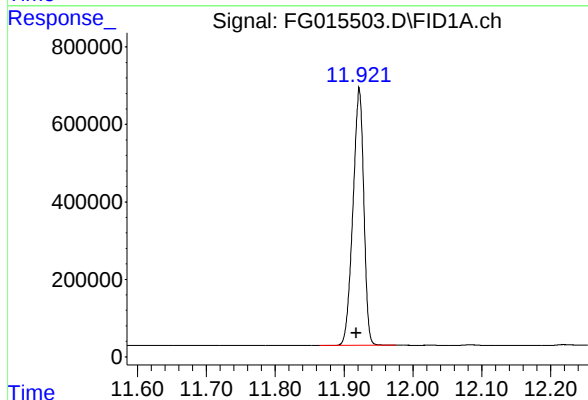
R.T.: 11.152 min
Delta R.T.: 0.004 min
Response: 7081296
Conc: 50.21 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



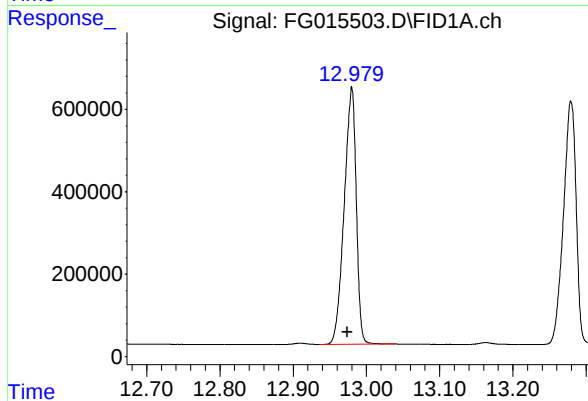
#10 Anthracene (C19.43)

R.T.: 11.228 min
Delta R.T.: 0.005 min
Response: 6911119
Conc: 50.38 ug/ml



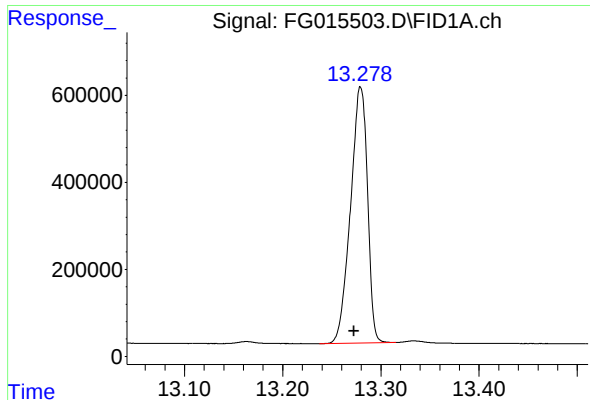
#11 ortho-Terphenyl (SURR)

R.T.: 11.922 min
Delta R.T.: 0.004 min
Response: 7266771
Conc: 49.86 ug/ml



#12 Fluoranthene (C21.85)

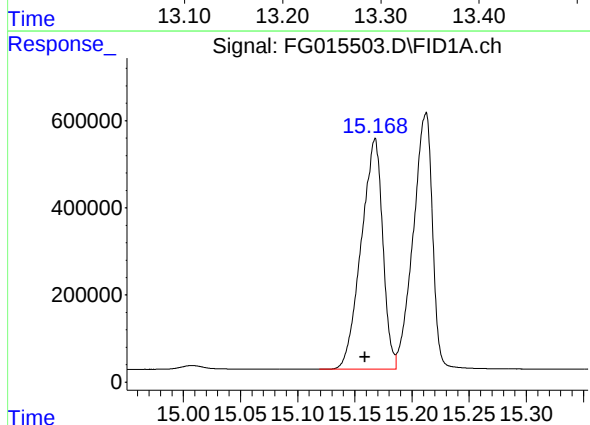
R.T.: 12.980 min
Delta R.T.: 0.006 min
Response: 7142483
Conc: 50.06 ug/ml



#13 Pyrene (C20.8)

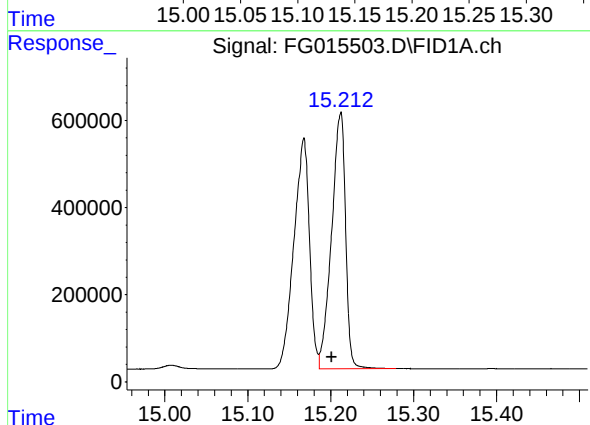
R.T.: 13.279 min
Delta R.T.: 0.007 min
Response: 7059457
Conc: 50.22 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



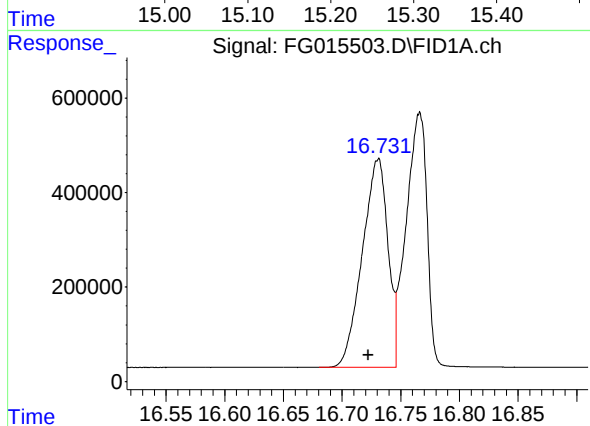
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.167 min
Delta R.T.: 0.008 min
Response: 6915741
Conc: 50.54 ug/ml



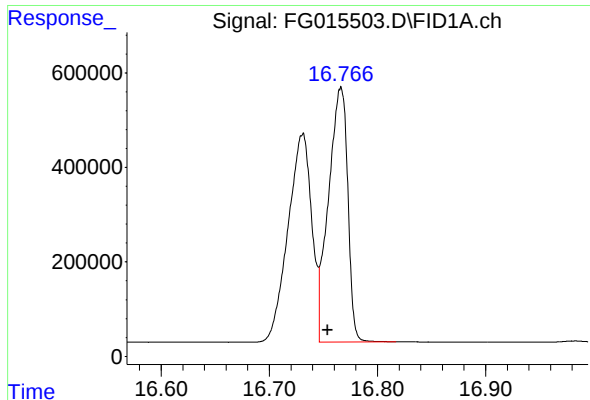
#15 Chrysene (C27.41)

R.T.: 15.211 min
Delta R.T.: 0.010 min
Response: 6897314
Conc: 49.54 ug/ml



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

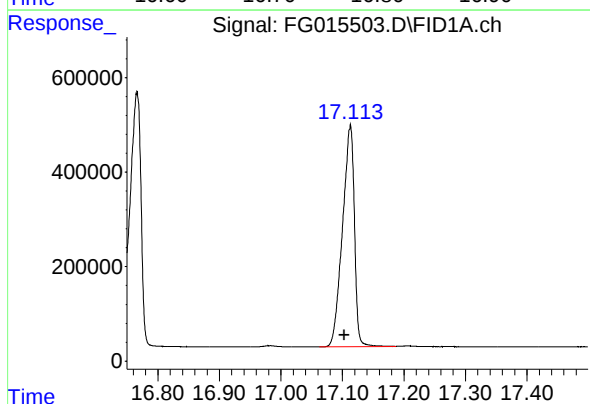
R.T.: 16.730 min
Delta R.T.: 0.008 min
Response: 6698936
Conc: 50.26 ug/ml



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

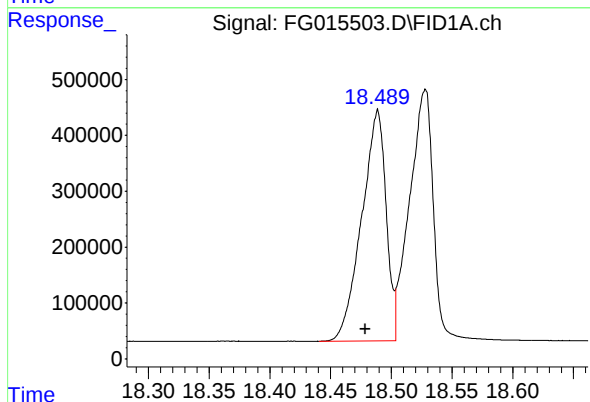
R.T.: 16.766 min
Delta R.T.: 0.012 min
Response: 6683367
Conc: 49.38 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



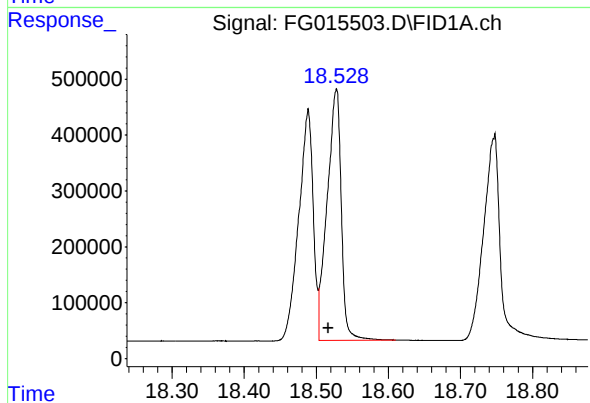
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.112 min
Delta R.T.: 0.009 min
Response: 6306419
Conc: 50.24 ug/ml



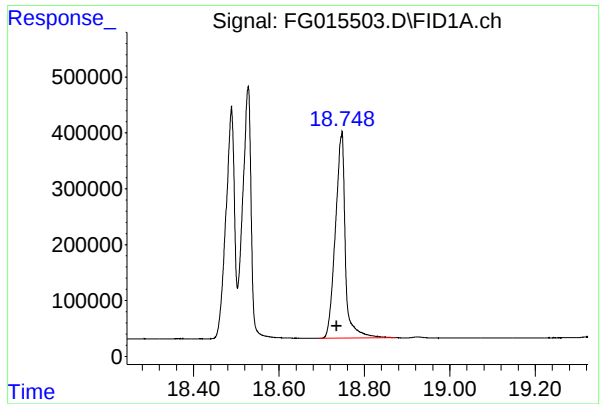
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.488 min
Delta R.T.: 0.009 min
Response: 5779285
Conc: 52.91 ug/ml



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

R.T.: 18.527 min
Delta R.T.: 0.010 min
Response: 6138030
Conc: 47.18 ug/ml



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

R.T.: 18.746 min
Delta R.T.: 0.011 min
Response: 5964372
Conc: 50.22 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015503.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 18:01
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.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	4.559	4.525	4.629	BB	692822	6683567	91.97%	4.804%
2	6.238	6.205	6.324	BB	708190	6962500	95.81%	5.005%
3	7.341	7.295	7.422	BB	672363	6863854	94.46%	4.934%
4	7.970	7.917	8.047	BB	624900	6252076	86.04%	4.494%
5	8.647	8.609	8.719	BB	689280	7140045	98.26%	5.132%
6	8.848	8.814	8.917	BV	420066	4317875	59.42%	3.104%
7	8.948	8.917	9.009	VB	690305	6936861	95.46%	4.986%
8	9.741	9.689	9.815	BB	662648	7121120	98.00%	5.119%
9	11.152	11.099	11.195	BV	633365	7081296	97.45%	5.090%
10	11.228	11.195	11.274	VV	628844	6911119	95.11%	4.968%
11	11.922	11.864	11.975	BB	666154	7266771	100.00%	5.223%
12	12.980	12.935	13.040	BB	628105	7142483	98.29%	5.134%
13	13.279	13.237	13.315	BV	589874	7059457	97.15%	5.074%
14	15.167	15.119	15.186	BV	527322	6915741	95.17%	4.971%
15	15.211	15.186	15.279	VB	588643	6897314	94.92%	4.958%
16	16.730	16.680	16.746	BV	438494	6698936	92.19%	4.815%
17	16.766	16.746	16.817	VB	537696	6683367	91.97%	4.804%
18	17.112	17.062	17.187	BB	464825	6306419	86.78%	4.533%
19	18.488	18.440	18.504	BV	414630	5779285	79.53%	4.154%
20	18.527	18.504	18.610	VB	448284	6138030	84.47%	4.412%
21	18.746	18.694	18.874	BB	362001	5964372	82.08%	4.287%
Sum of corrected areas:						139122488		

Aromatic EPH 031725.M Tue Mar 18 05:30:44 2025

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	17 Mar 2025 18:31
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015504.D	Misc:	
Instrument:	FID_G	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.457	6.336	5356264.000	40.000	ug/ml
Aromatic C12-C16	6.337	9.044	8286344.000	60.000	ug/ml
Aromatic C16-C21	9.045	13.372	11190203.000	80.000	ug/ml
Aromatic C21-C36	13.373	18.833	23420337.000	180.000	ug/ml
Aromatic EPH	4.457	18.833	48253148.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
 Data File : FG015504.D
 Signal(s) : FID1A.ch
 Acq On : 17 Mar 2025 18:31
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD3

Integration File: autoint1.e
 Quant Time: Mar 18 05:03:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:03:12 2025
 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...	7.968	2455614	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.845	1682913	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.918	2914634	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.558	2649640	20.000 ug/ml
2) T Naphthalene (C11.7)	6.237	2706624	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	7.338	2690250	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.644	2848336	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.944	2747758	20.000 ug/ml
8) T Fluorene (C16.55)	9.736	2814760	20.000 ug/ml
9) T Phenanthrene (C19.36)	11.147	2820694	20.000 ug/ml
10) T Anthracene (C19.43)	11.223	2743461	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.974	2853693	20.000 ug/ml
13) T Pyrene (C20.8)	13.273	2811288	20.000 ug/ml
14) T Benzo[a]anthracene (C...	15.159	2736578	20.000 ug/ml
15) T Chrysene (C27.41)	15.201	2784558	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.723	2665661	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.754	2707094	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.103	2510749	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.479	2184625	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	18.517	2602093	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.735	2375286	20.000 ug/ml

(f)=RT Delta > 1/2 Window

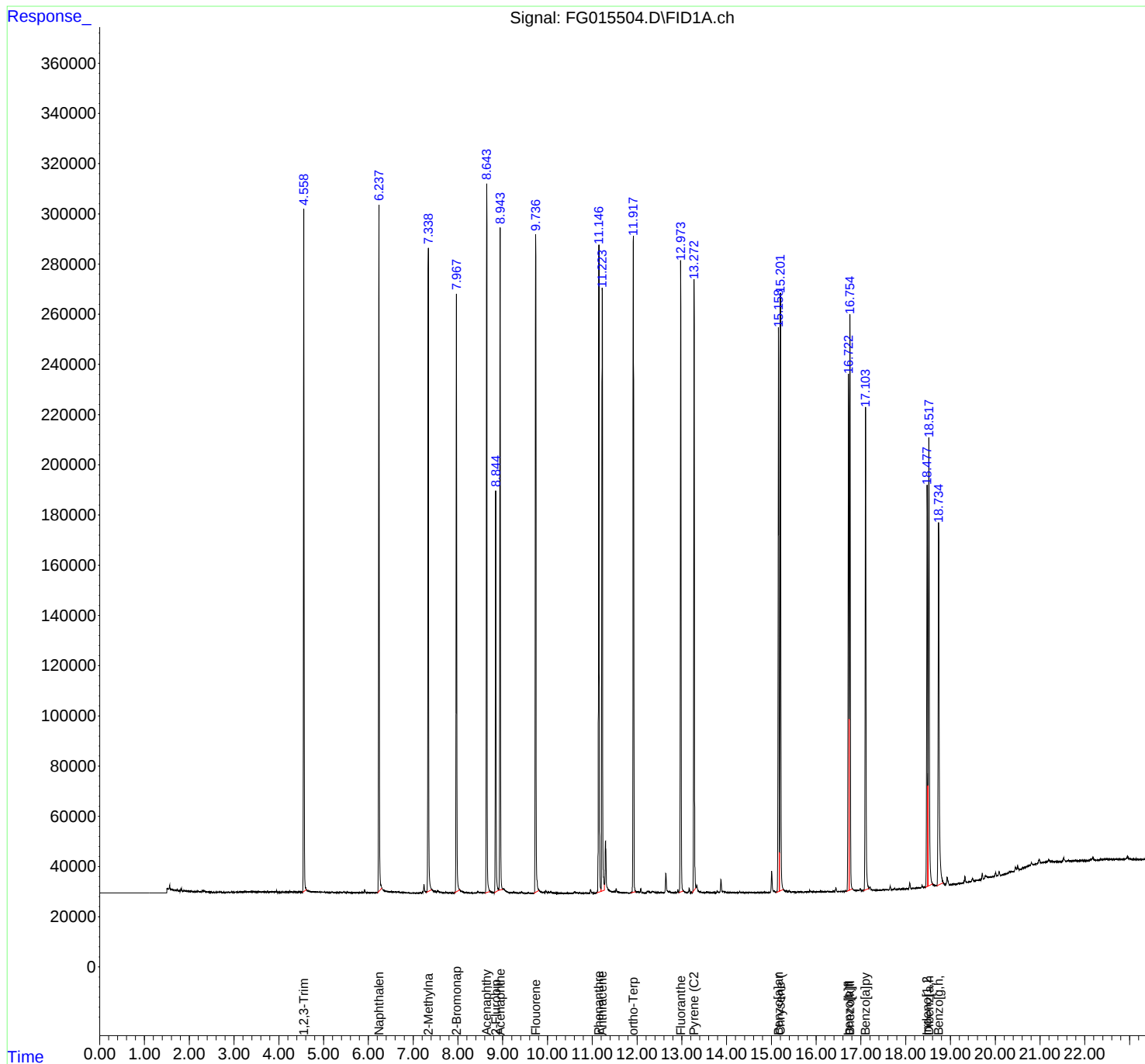
(m)=manual int.

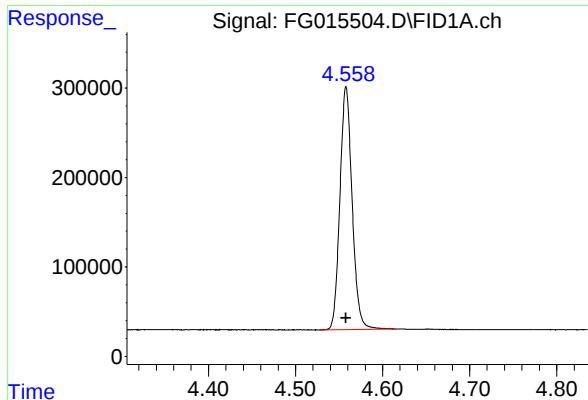
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015504.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 18:31
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Mar 18 05:03:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:03:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

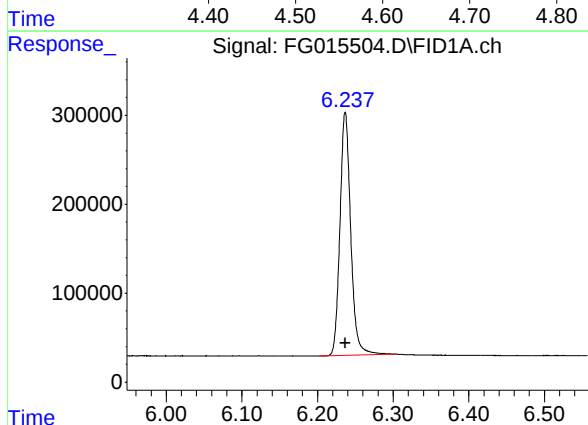




#1 1,2,3-Trimethylbenzene (C10.1)

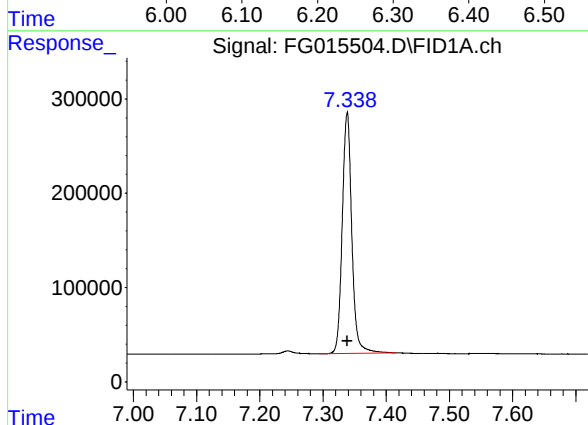
R.T.: 4.558 min
Delta R.T.: 0.000 min
Response: 2649640
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



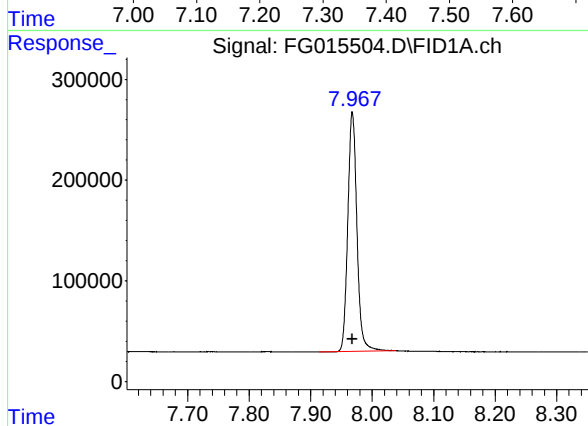
#2 Naphthalene (C11.7)

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 2706624
Conc: 20.00 ug/ml



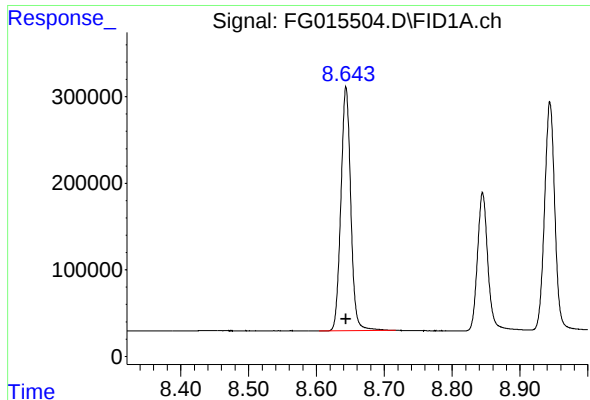
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.338 min
Delta R.T.: 0.000 min
Response: 2690250
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

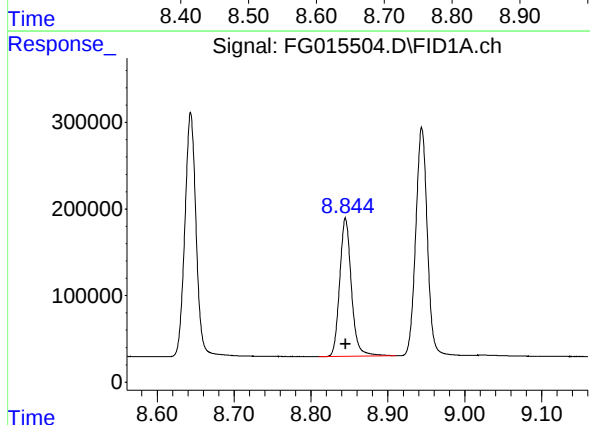
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 2455614
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

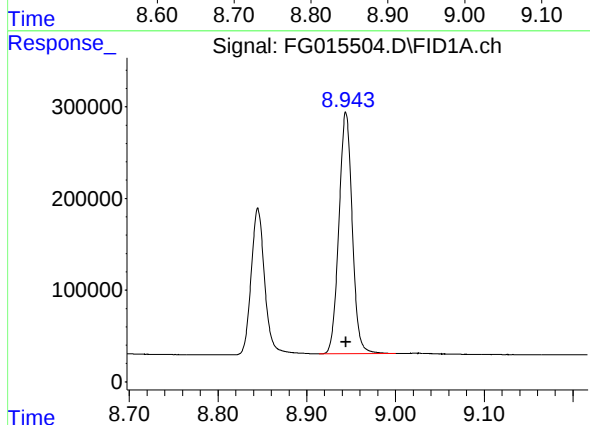
R.T.: 8.644 min
Delta R.T.: 0.000 min
Response: 2848336
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



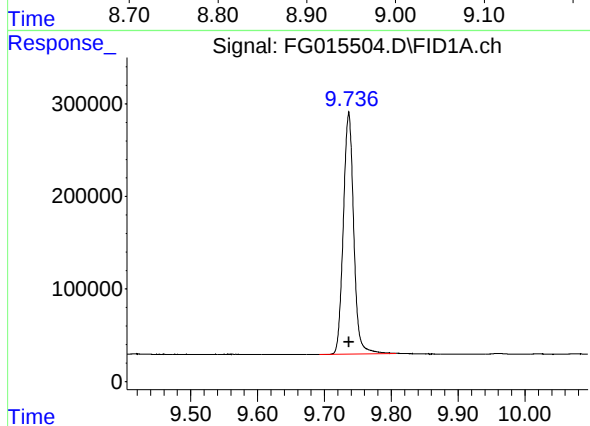
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.845 min
Delta R.T.: 0.000 min
Response: 1682913
Conc: 20.00 ug/ml



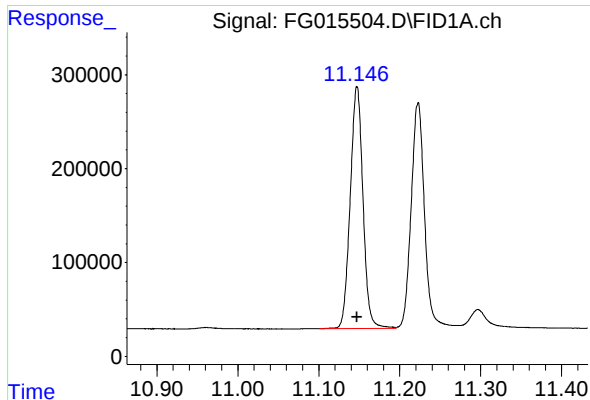
#7 Acenaphthene (C15.5)

R.T.: 8.944 min
Delta R.T.: 0.000 min
Response: 2747758
Conc: 20.00 ug/ml



#8 Fluorene (C16.55)

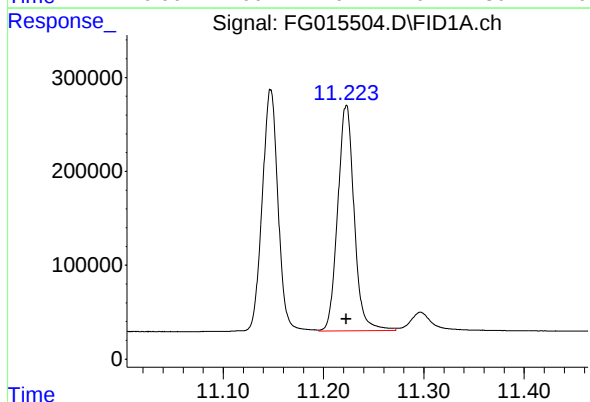
R.T.: 9.736 min
Delta R.T.: 0.000 min
Response: 2814760
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

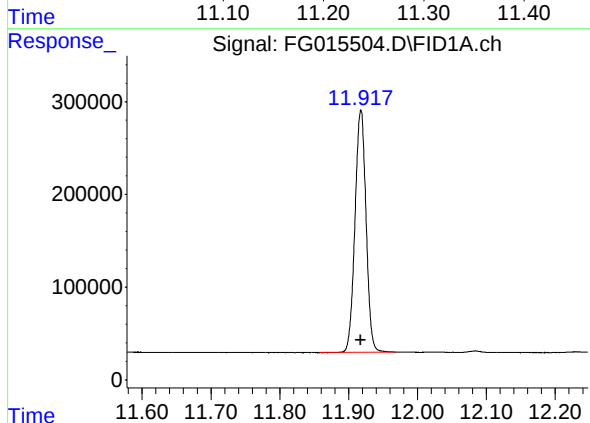
R.T.: 11.147 min
Delta R.T.: 0.000 min
Response: 2820694
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



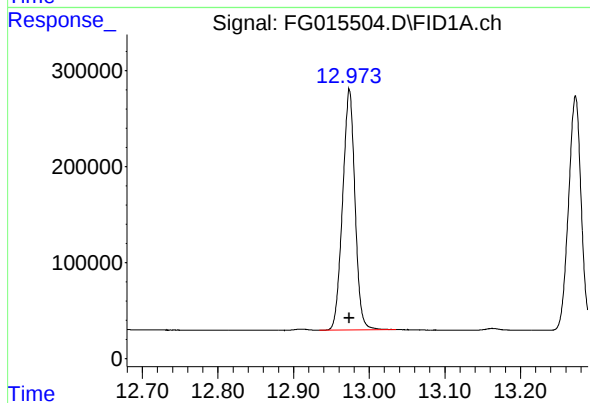
#10 Anthracene (C19.43)

R.T.: 11.223 min
Delta R.T.: 0.000 min
Response: 2743461
Conc: 20.00 ug/ml



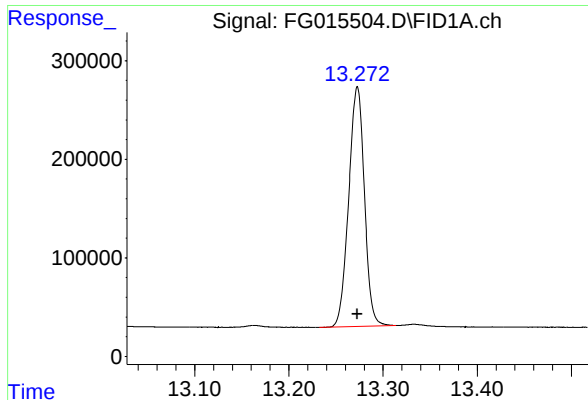
#11 ortho-Terphenyl (SURRE)

R.T.: 11.918 min
Delta R.T.: 0.000 min
Response: 2914634
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

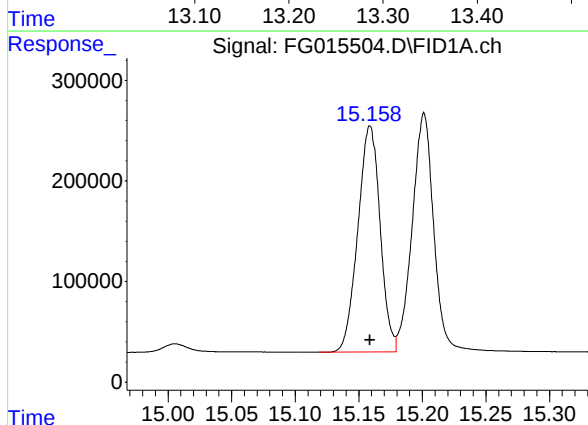
R.T.: 12.974 min
Delta R.T.: 0.000 min
Response: 2853693
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

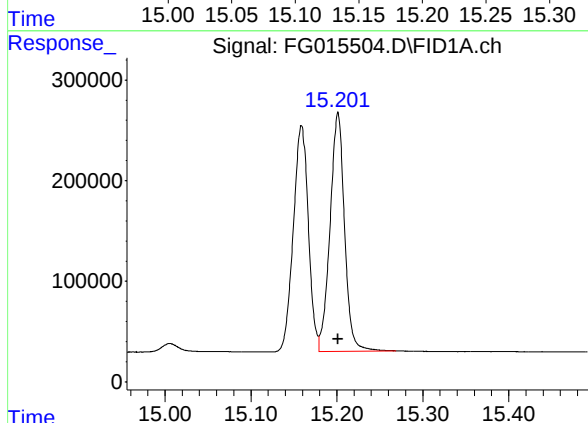
R.T.: 13.273 min
Delta R.T.: 0.000 min
Response: 2811288
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



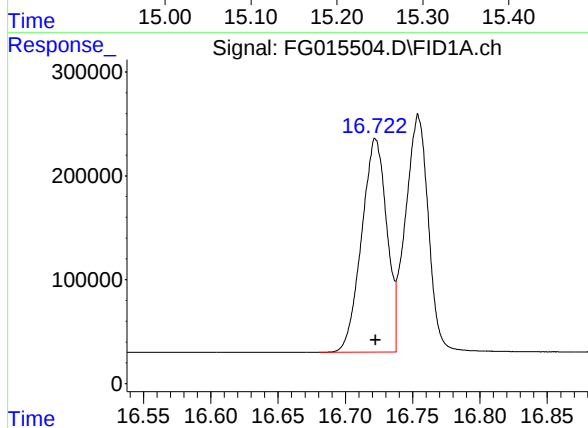
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.159 min
Delta R.T.: 0.000 min
Response: 2736578
Conc: 20.00 ug/ml



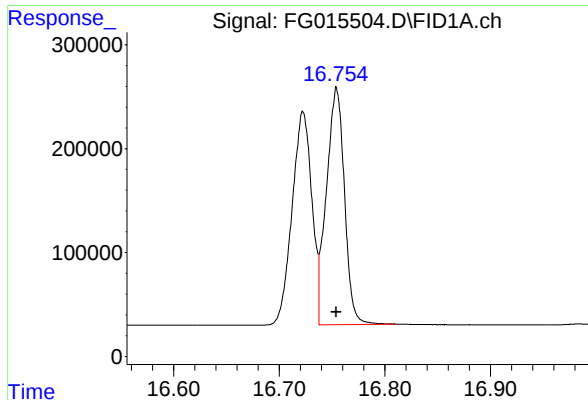
#15 Chrysene (C27.41)

R.T.: 15.201 min
Delta R.T.: 0.000 min
Response: 2784558
Conc: 20.00 ug/ml



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

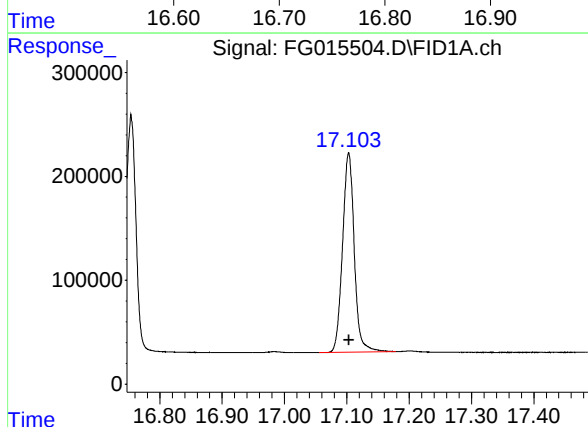
R.T.: 16.723 min
Delta R.T.: 0.000 min
Response: 2665661
Conc: 20.00 ug/ml



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

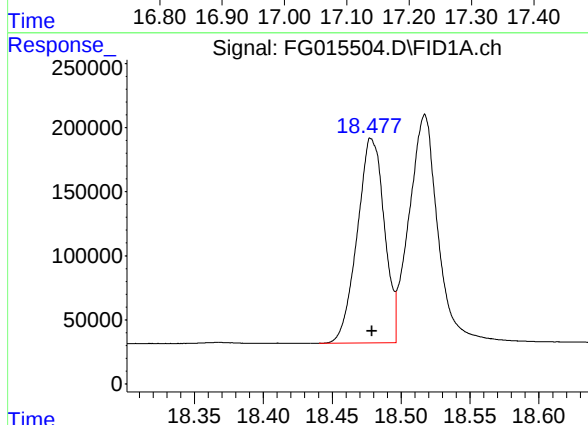
R.T.: 16.754 min
Delta R.T.: 0.000 min
Response: 2707094
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



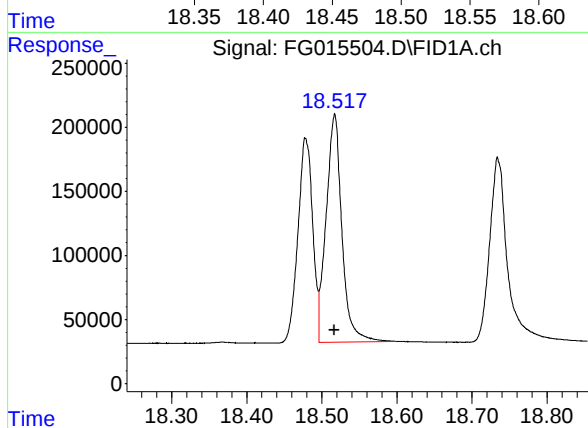
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.103 min
Delta R.T.: 0.000 min
Response: 2510749
Conc: 20.00 ug/ml



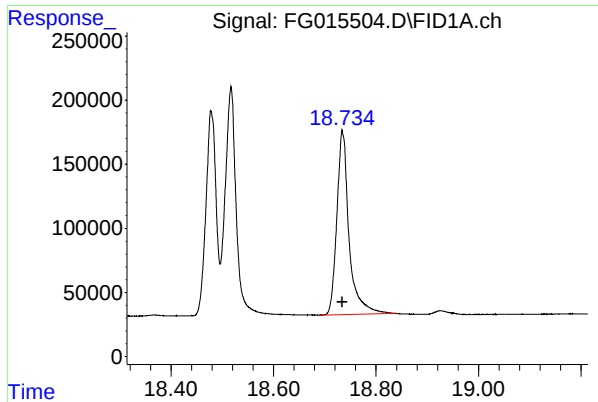
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.479 min
Delta R.T.: 0.000 min
Response: 2184625
Conc: 20.00 ug/ml



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

R.T.: 18.517 min
Delta R.T.: 0.000 min
Response: 2602093
Conc: 20.00 ug/ml



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

R.T.: 18.735 min
Delta R.T.: 0.000 min
Response: 2375286
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015504.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 18:31
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.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	4.558	4.527	4.615	BB	270795	2649640	90.91%	4.791%
2	6.237	6.202	6.304	BB	273431	2706624	92.86%	4.894%
3	7.338	7.294	7.415	BB	257073	2690250	92.30%	4.864%
4	7.968	7.914	8.039	BB	236187	2455614	84.25%	4.440%
5	8.644	8.604	8.717	BB	281948	2848336	97.73%	5.150%
6	8.845	8.810	8.910	BB	159077	1682913	57.74%	3.043%
7	8.944	8.914	9.000	BB	263930	2747758	94.27%	4.968%
8	9.736	9.692	9.807	BB	262549	2814760	96.57%	5.089%
9	11.147	11.100	11.195	BV	258221	2820694	96.78%	5.100%
10	11.223	11.195	11.272	VV	239218	2743461	94.13%	4.960%
11	11.918	11.857	11.969	BB	260724	2914634	100.00%	5.270%
12	12.974	12.934	13.035	BB	251279	2853693	97.91%	5.160%
13	13.273	13.232	13.314	BV	243197	2811288	96.45%	5.083%
14	15.159	15.119	15.179	BV	224920	2736578	93.89%	4.948%
15	15.201	15.179	15.269	VB	236965	2784558	95.54%	5.035%
16	16.723	16.680	16.738	BV	205704	2665661	91.46%	4.820%
17	16.754	16.738	16.810	VB	228323	2707094	92.88%	4.895%
18	17.103	17.055	17.179	BB	192017	2510749	86.14%	4.540%
19	18.479	18.440	18.496	BV	158722	2184625	74.95%	3.950%
20	18.517	18.496	18.599	VB	178251	2602093	89.28%	4.705%
21	18.735	18.689	18.839	BB	141162	2375286	81.50%	4.295%
Sum of corrected areas:							55306307	

Aromatic EPH 031725.M Tue Mar 18 05:31:03 2025

Lab Sample ID:	10 PPM AROMATIC HC	Acq On:	17 Mar 2025 19:00
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015505.D	Misc:	
Instrument:	FID_G	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.457	6.336	2672678.000	20.000	ug/ml
Aromatic C12-C16	6.337	9.044	4096782.000	30.000	ug/ml
Aromatic C16-C21	9.045	13.372	5588718.000	40.000	ug/ml
Aromatic C21-C36	13.373	18.833	11832868.000	90.000	ug/ml
Aromatic EPH	4.457	18.833	24191046.000	180.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
 Data File : FG015505.D
 Signal(s) : FID1A.ch
 Acq On : 17 Mar 2025 19:00
 Operator : YP\AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Integration File: autoint1.e
 Quant Time: Mar 18 05:05:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:03:12 2025
 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...	7.968	1213703	9.885 ug/ml
Spiked Amount 50.000		Recovery =	19.77%
6) S 2-Fluorobiphenyl (SURR)	8.846	814531	9.680 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	19.36%
11) S ortho-Terphenyl (SURR)	11.918	1473663	10.112 ug/ml
Spiked Amount 50.000		Recovery =	20.22%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.559	1335509	10.081 ug/ml
2) T Naphthalene (C11.7)	6.237	1337169	9.881 ug/ml
3) T 2-Methylnaphthalene (...)	7.338	1317757	9.797 ug/ml
5) T Acenaphthylene (C15.06)	8.643	1411336	9.910 ug/ml
7) T Acenaphthene (C15.5)	8.943	1367689	9.955 ug/ml
8) T Fluorene (C16.55)	9.736	1396110	9.920 ug/ml
9) T Phenanthrene (C19.36)	11.146	1410660	10.002 ug/ml
10) T Anthracene (C19.43)	11.222	1372213	10.004 ug/ml
12) T Fluoranthene (C21.85)	12.973	1437068	10.072 ug/ml
13) T Pyrene (C20.8)	13.271	1409735	10.029 ug/ml
14) T Benzo[a]anthracene (C...	15.156	1355370	9.906 ug/ml
15) T Chrysene (C27.41)	15.198	1434548	10.304 ug/ml
16) T benzo[b]fluoranthene ...	16.718	1325261	9.943 ug/ml
17) T Bnezo[k]fluoranthene ...	16.749	1394802	10.305 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.102	1260891	10.044 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.476	1079071	9.879 ug/ml
20) T Dibenz[a,h]anthracene...	18.515	1343184	10.324 ug/ml
21) T Benzo[g,h,i]perylene ...	18.731	1202673	10.127 ug/ml

(f)=RT Delta > 1/2 Window

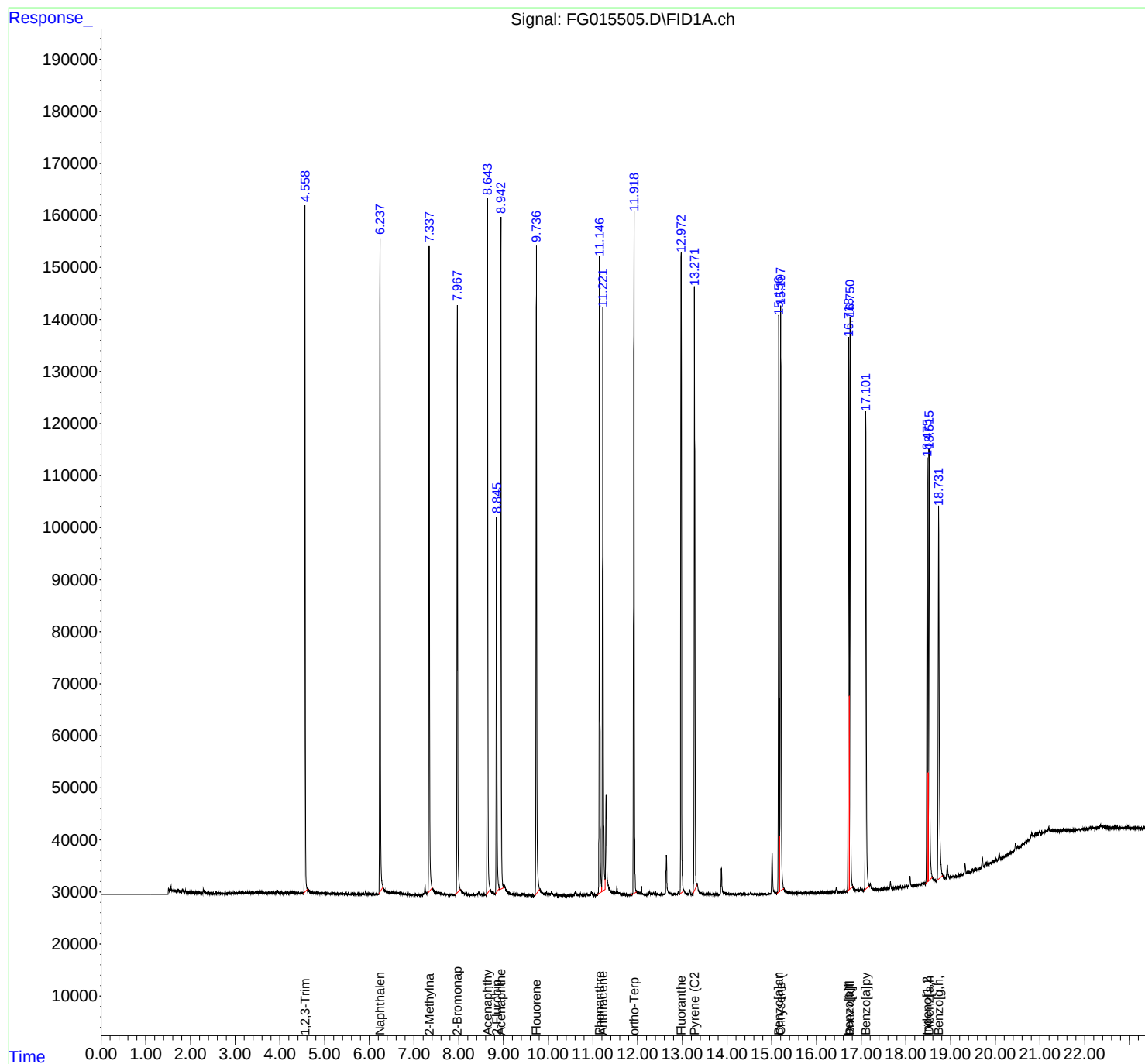
(m)=manual int.

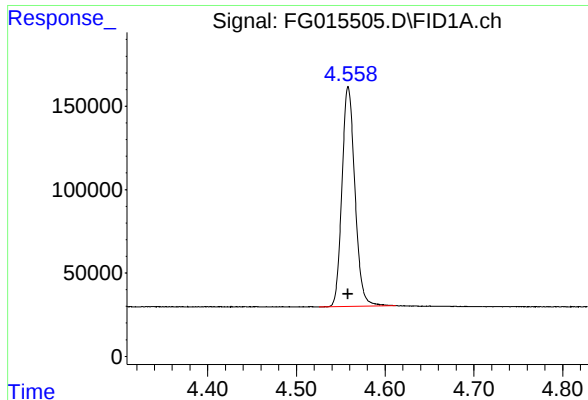
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015505.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 19:00
Operator : YP\AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Mar 18 05:05:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:03:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

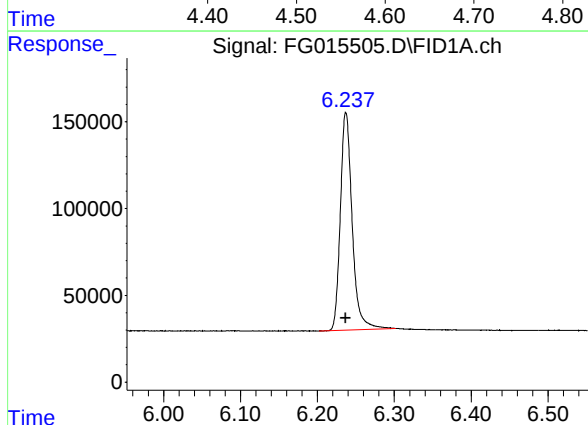




#1 1,2,3-Trimethylbenzene (C10.1)

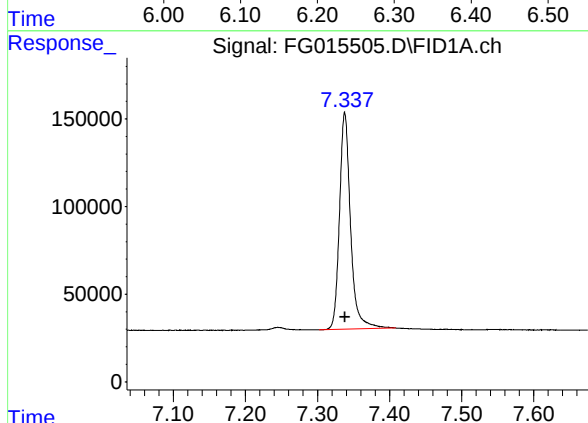
R.T.: 4.559 min
Delta R.T.: 0.000 min
Response: 1335509
Conc: 10.08 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



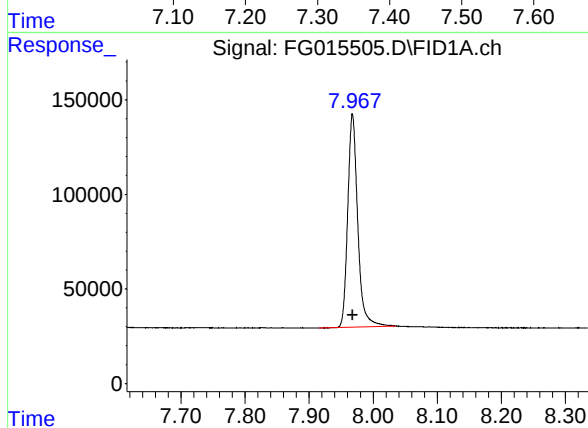
#2 Naphthalene (C11.7)

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 1337169
Conc: 9.88 ug/ml



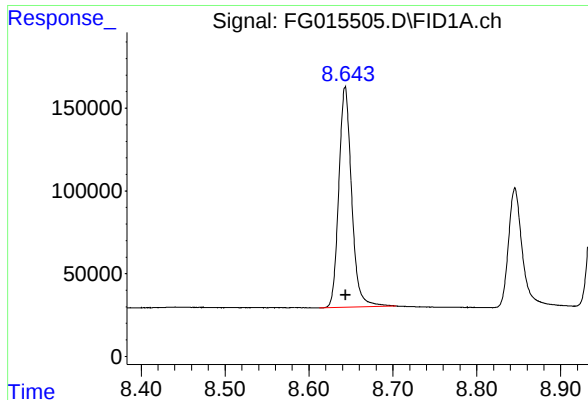
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.338 min
Delta R.T.: 0.000 min
Response: 1317757
Conc: 9.80 ug/ml



#4 2-Bromonaphthalene (SURR)

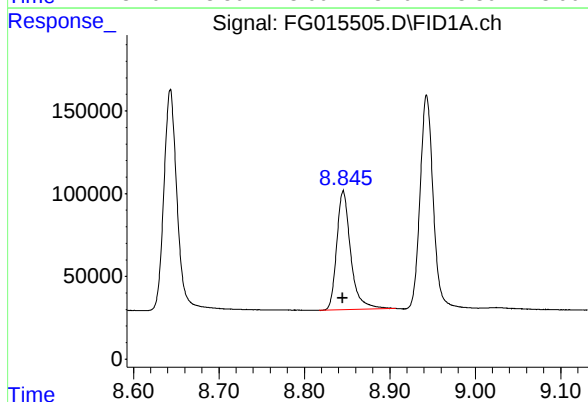
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 1213703
Conc: 9.89 ug/ml



#5 Acenaphthylene (C15.06)

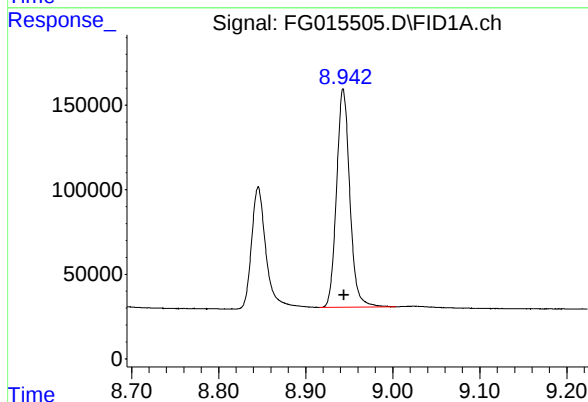
R.T.: 8.643 min
Delta R.T.: 0.000 min
Response: 1411336
Conc: 9.91 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



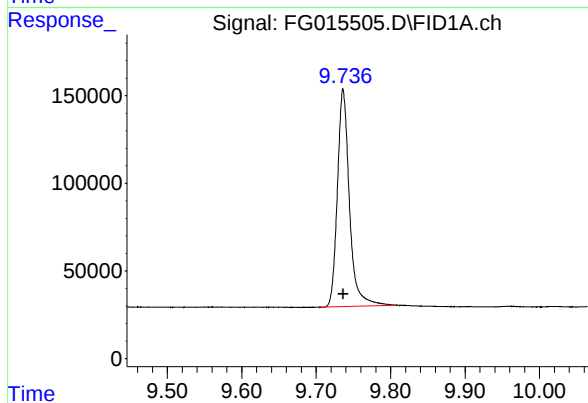
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.846 min
Delta R.T.: 0.000 min
Response: 814531
Conc: 9.68 ug/ml



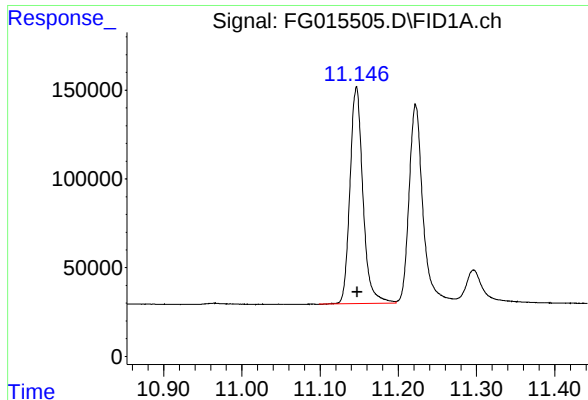
#7 Acenaphthene (C15.5)

R.T.: 8.943 min
Delta R.T.: 0.000 min
Response: 1367689
Conc: 9.95 ug/ml



#8 Flouorene (C16.55)

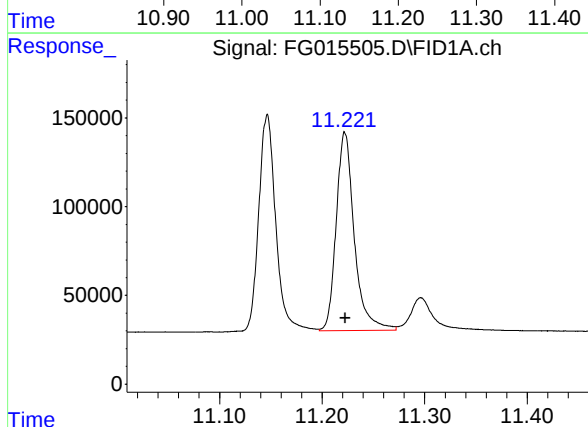
R.T.: 9.736 min
Delta R.T.: 0.000 min
Response: 1396110
Conc: 9.92 ug/ml



#9 Phenanthrene (C19.36)

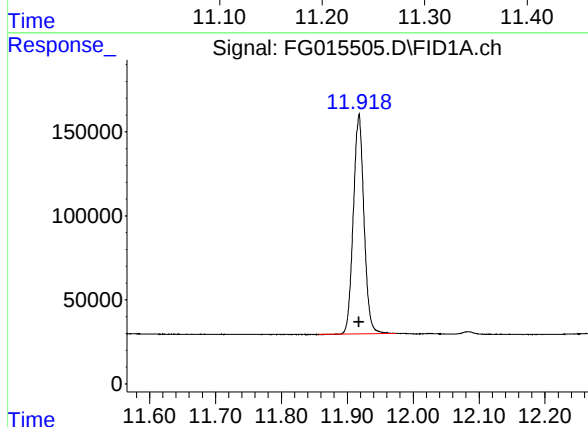
R.T.: 11.146 min
Delta R.T.: 0.000 min
Response: 1410660
Conc: 10.00 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



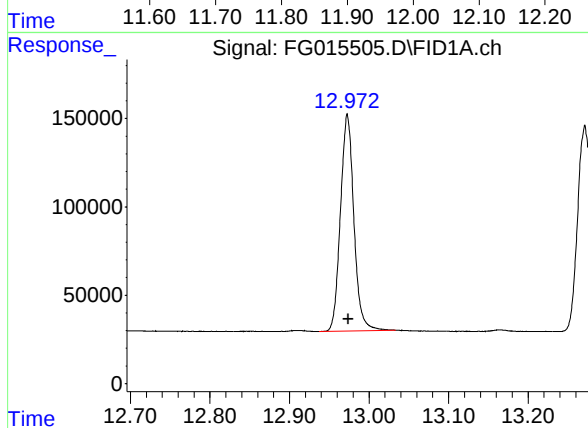
#10 Anthracene (C19.43)

R.T.: 11.222 min
Delta R.T.: 0.000 min
Response: 1372213
Conc: 10.00 ug/ml



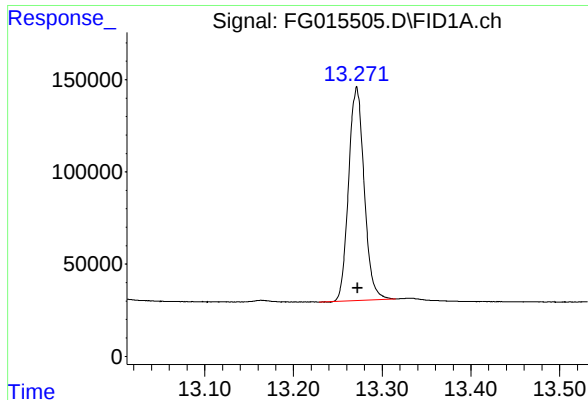
#11 ortho-Terphenyl (SURRE)

R.T.: 11.918 min
Delta R.T.: 0.000 min
Response: 1473663
Conc: 10.11 ug/ml



#12 Fluoranthene (C21.85)

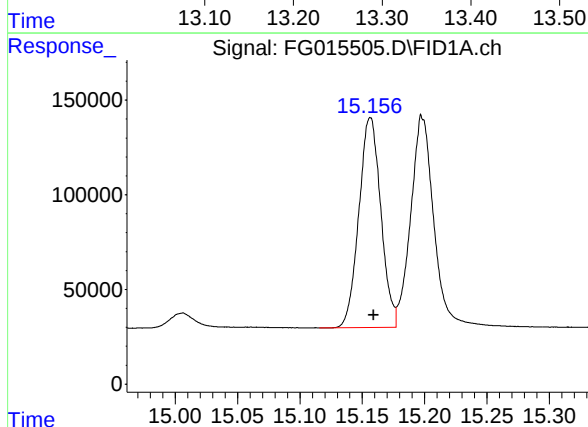
R.T.: 12.973 min
Delta R.T.: 0.000 min
Response: 1437068
Conc: 10.07 ug/ml



#13 Pyrene (C20.8)

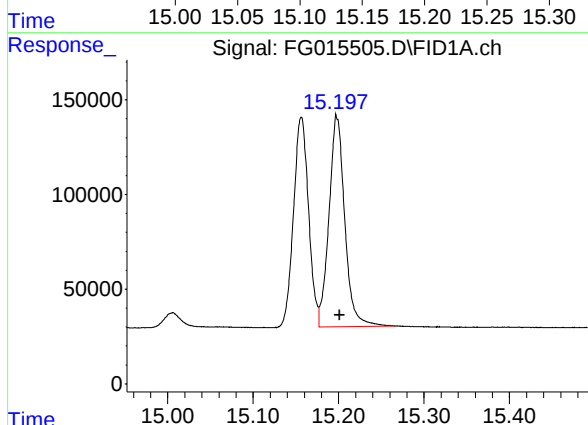
R.T.: 13.271 min
Delta R.T.: -0.002 min
Response: 1409735
Conc: 10.03 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



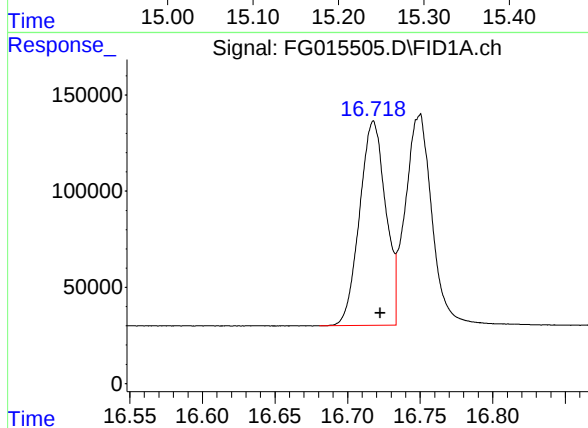
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.156 min
Delta R.T.: -0.002 min
Response: 1355370
Conc: 9.91 ug/ml



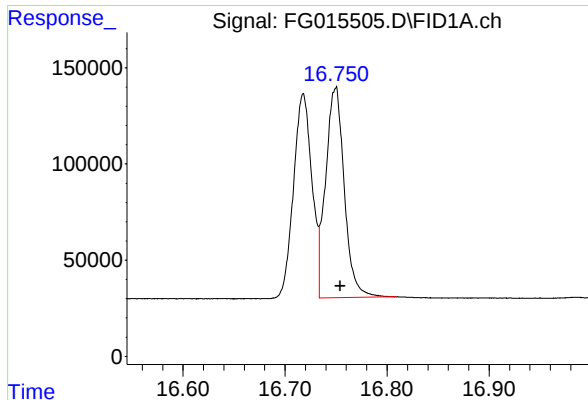
#15 Chrysene (C27.41)

R.T.: 15.198 min
Delta R.T.: -0.003 min
Response: 1434548
Conc: 10.30 ug/ml



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

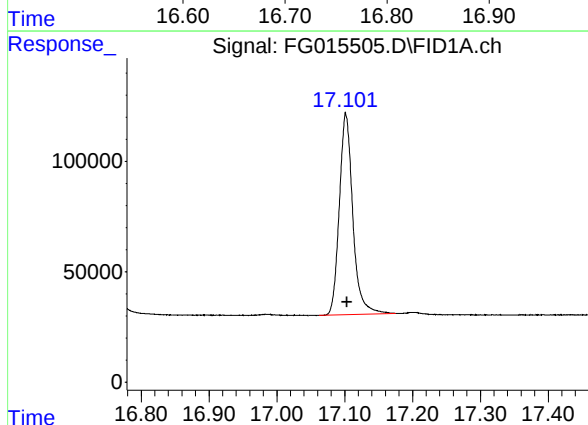
R.T.: 16.718 min
Delta R.T.: -0.005 min
Response: 1325261
Conc: 9.94 ug/ml



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

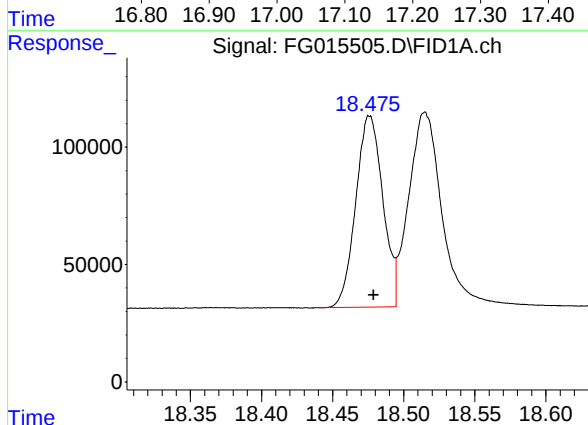
R.T.: 16.749 min
Delta R.T.: -0.005 min
Response: 1394802
Conc: 10.30 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



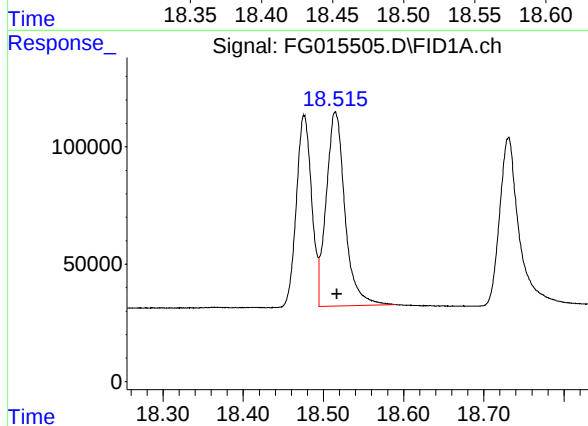
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.102 min
Delta R.T.: -0.001 min
Response: 1260891
Conc: 10.04 ug/ml



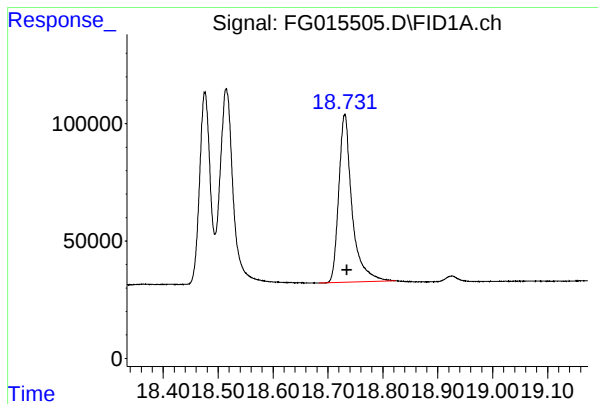
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.476 min
Delta R.T.: -0.003 min
Response: 1079071
Conc: 9.88 ug/ml



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

R.T.: 18.515 min
Delta R.T.: -0.002 min
Response: 1343184
Conc: 10.32 ug/ml



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

R.T.: 18.731 min

Delta R.T.: -0.004 min

Response: 1202673

Conc: 10.13 ug/ml

Instrument :

FID_G

ClientSampleId :

10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015505.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 19:00
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 74 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.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	4.559	4.525	4.612	BB	131464	1335509	90.63%	4.823%
2	6.237	6.202	6.302	BB	125424	1337169	90.74%	4.829%
3	7.338	7.302	7.409	BB	123040	1317757	89.42%	4.758%
4	7.968	7.915	8.035	BB	112918	1213703	82.36%	4.383%
5	8.643	8.612	8.704	BB	133746	1411336	95.77%	5.096%
6	8.846	8.817	8.907	BB	71673	814531	55.27%	2.941%
7	8.943	8.915	9.004	BB	128739	1367689	92.81%	4.939%
8	9.736	9.704	9.807	BB	122724	1396110	94.74%	5.041%
9	11.146	11.099	11.197	BV	122957	1410660	95.72%	5.094%
10	11.222	11.197	11.272	VV	111852	1372213	93.12%	4.955%
11	11.918	11.857	11.974	BB	129511	1473663	100.00%	5.321%
12	12.973	12.937	13.034	BB	122679	1437068	97.52%	5.189%
13	13.271	13.229	13.315	BB	115001	1409735	95.66%	5.091%
14	15.156	15.115	15.177	BV	111197	1355370	91.97%	4.894%
15	15.198	15.177	15.267	VB	109553	1434548	97.35%	5.180%
16	16.718	16.680	16.733	BV	105892	1325261	89.93%	4.786%
17	16.749	16.733	16.809	VB	108345	1394802	94.65%	5.037%
18	17.102	17.062	17.175	BB	90569	1260891	85.56%	4.553%
19	18.476	18.440	18.495	BV	81657	1079071	73.22%	3.897%
20	18.515	18.495	18.590	VB	82738	1343184	91.15%	4.850%
21	18.731	18.684	18.824	BB	71398	1202673	81.61%	4.343%
Sum of corrected areas:						27692943		

Aromatic EPH 031725.M Tue Mar 18 05:31:24 2025

Lab Sample ID:	5 PPM AROMATIC HC S	Acq On:	17 Mar 2025 19:29
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015506.D	Misc:	
Instrument:	FID_G	ALS Vial:	75
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.457	6.336	1344384.000	10.000	ug/ml
Aromatic C12-C16	6.337	9.044	2047703.000	15.000	ug/ml
Aromatic C16-C21	9.045	13.372	2805377.000	20.000	ug/ml
Aromatic C21-C36	13.373	18.833	6011171.000	45.000	ug/ml
Aromatic EPH	4.457	18.833	12208635.000	90.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
 Data File : FG015506.D
 Signal(s) : FID1A.ch
 Acq On : 17 Mar 2025 19:29
 Operator : YP\AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Integration File: autoint1.e
 Quant Time: Mar 18 05:06:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:03:12 2025
 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...	7.969	602634	4.908 ug/ml
Spiked Amount 50.000		Recovery =	9.82%
6) S 2-Fluorobiphenyl (SURR)	8.848	388125	4.613 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	9.23%
11) S ortho-Terphenyl (SURR)	11.917	752937	5.167 ug/ml
Spiked Amount 50.000		Recovery =	10.33%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.559	681641	5.145 ug/ml
2) T Naphthalene (C11.7)	6.238	662743	4.897 ug/ml
3) T 2-Methylnaphthalene (...)	7.339	651323	4.842 ug/ml
5) T Acenaphthylene (C15.06)	8.644	719825	5.054 ug/ml
7) T Acenaphthene (C15.5)	8.943	676555	4.924 ug/ml
8) T Fluorene (C16.55)	9.737	686185	4.876 ug/ml
9) T Phenanthrene (C19.36)	11.147	715636	5.074 ug/ml
10) T Anthracene (C19.43)	11.224	689297	5.025 ug/ml
12) T Fluoranthene (C21.85)	12.973	729990	5.116 ug/ml
13) T Pyrene (C20.8)	13.271	714259	5.081 ug/ml
14) T Benzo[a]anthracene (C...	15.158	670852	4.903 ug/ml
15) T Chrysene (C27.41)	15.199	736510	5.290 ug/ml
16) T benzo[b]fluoranthene ...	16.720	656395	4.925 ug/ml
17) T Bnezo[k]fluoranthene ...	16.751	726748	5.369 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.104	637092	5.075 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.478	534014	4.889 ug/ml
20) T Dibenz[a,h]anthracene...	18.517	705044	5.419 ug/ml
21) T Benzo[g,h,i]perylene ...	18.733	614526	5.174 ug/ml

(f)=RT Delta > 1/2 Window

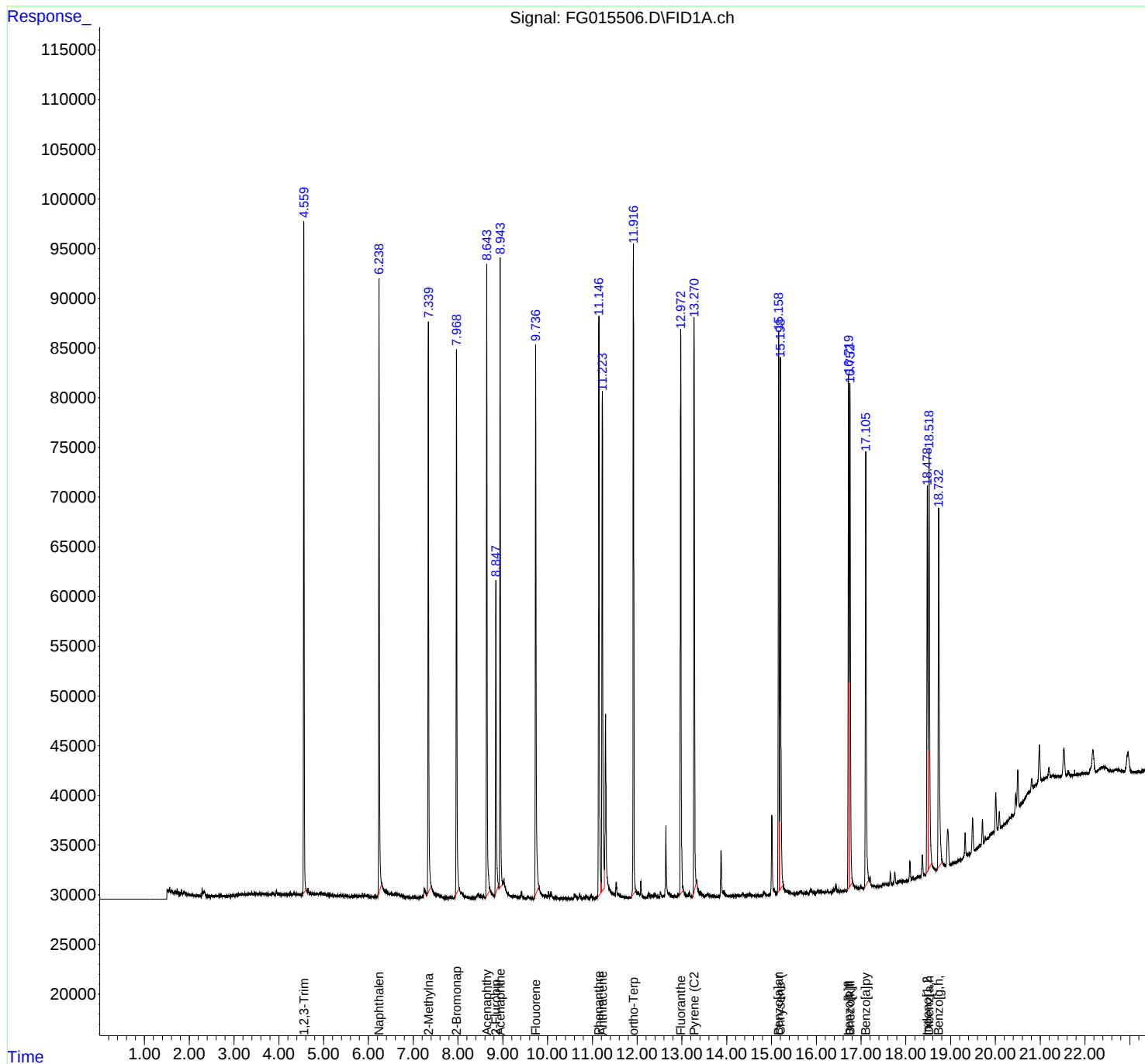
(m)=manual int.

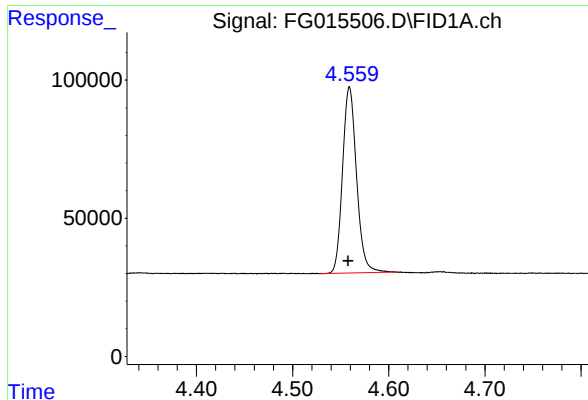
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015506.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 19:29
Operator : YP\AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Mar 18 05:06:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:03:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

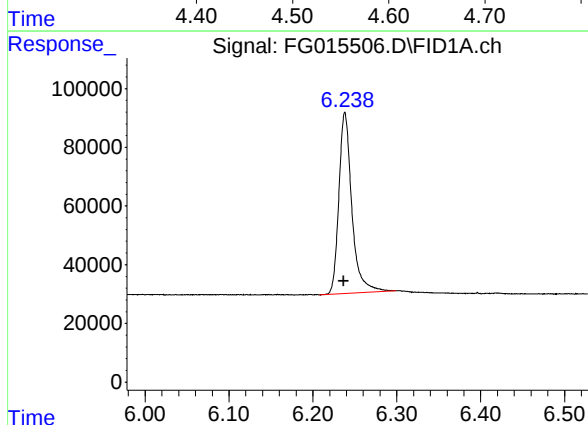




#1 1,2,3-Trimethylbenzene (C10.1)

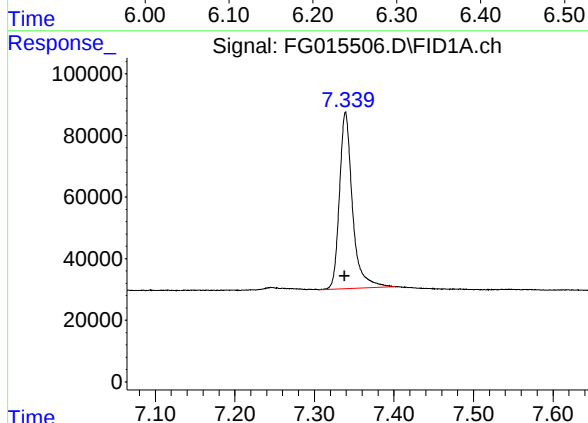
R.T.: 4.559 min
Delta R.T.: 0.001 min
Response: 681641
Conc: 5.15 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



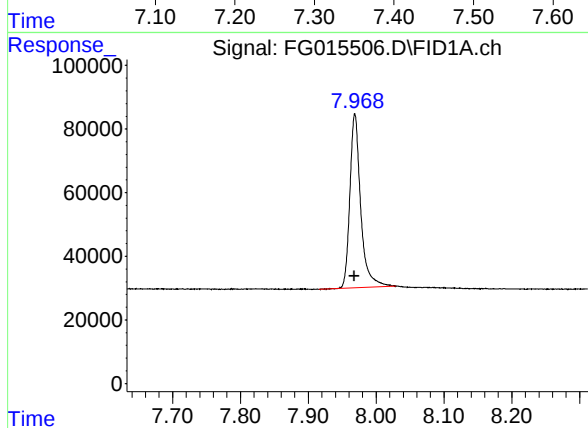
#2 Naphthalene (C11.7)

R.T.: 6.238 min
Delta R.T.: 0.002 min
Response: 662743
Conc: 4.90 ug/ml



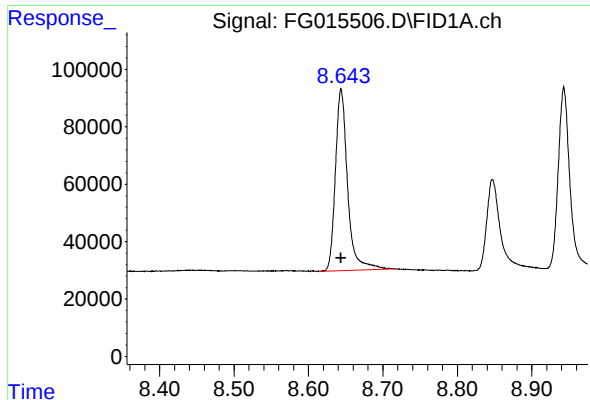
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.339 min
Delta R.T.: 0.001 min
Response: 651323
Conc: 4.84 ug/ml



#4 2-Bromonaphthalene (SURR)

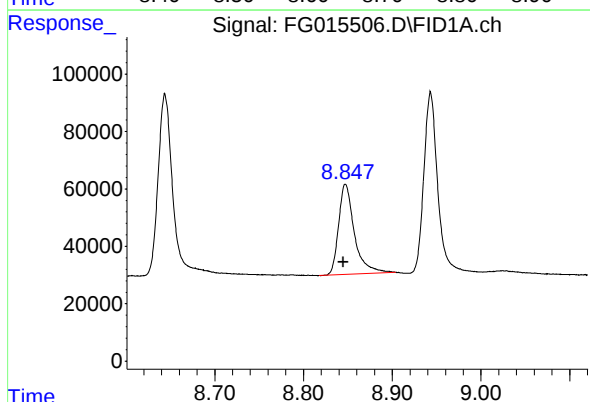
R.T.: 7.969 min
Delta R.T.: 0.000 min
Response: 602634
Conc: 4.91 ug/ml



#5 Acenaphthylene (C15.06)

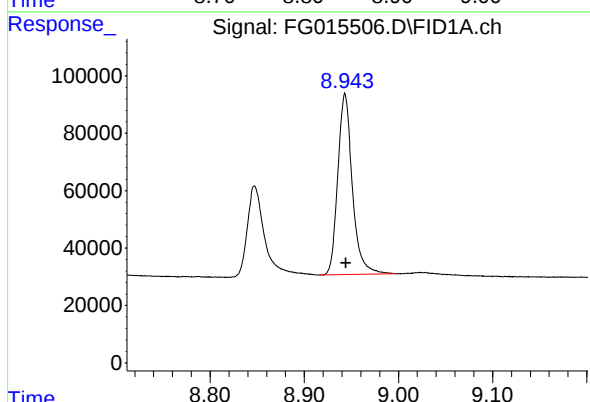
R.T.: 8.644 min
Delta R.T.: 0.000 min
Response: 719825
Conc: 5.05 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



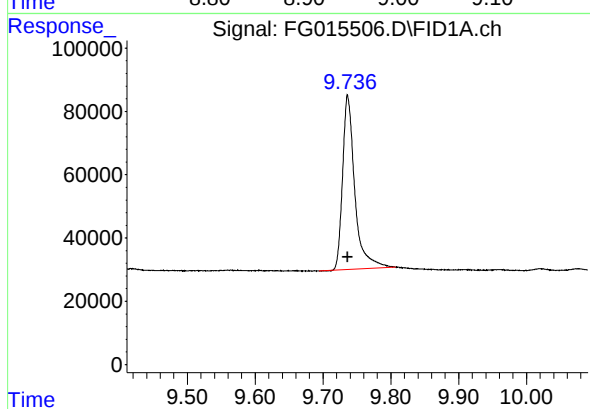
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.848 min
Delta R.T.: 0.003 min
Response: 388125
Conc: 4.61 ug/ml



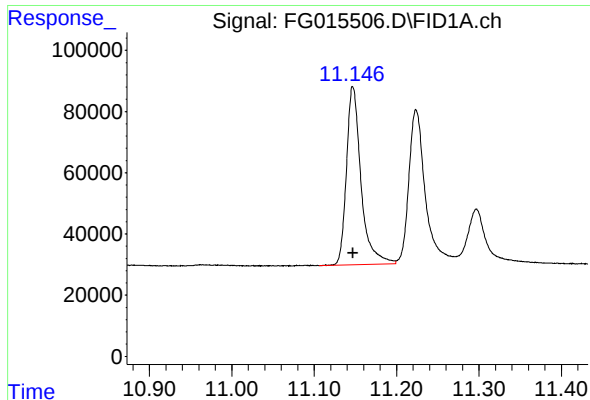
#7 Acenaphthene (C15.5)

R.T.: 8.943 min
Delta R.T.: 0.000 min
Response: 676555
Conc: 4.92 ug/ml



#8 Flouorene (C16.55)

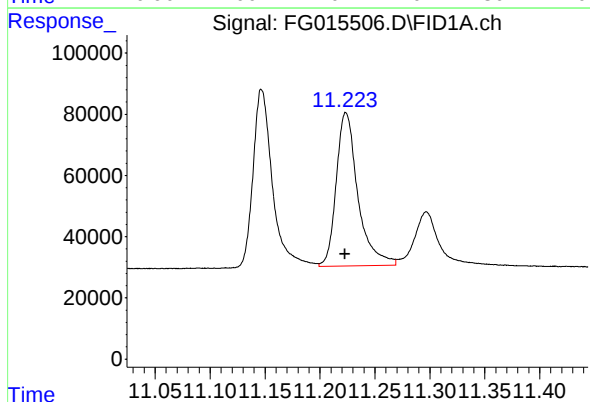
R.T.: 9.737 min
Delta R.T.: 0.000 min
Response: 686185
Conc: 4.88 ug/ml



#9 Phenanthrene (C19.36)

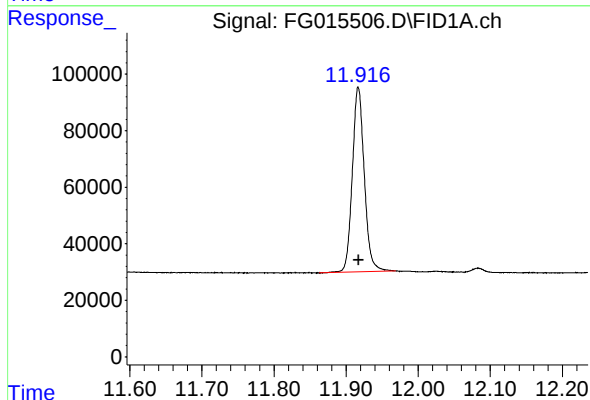
R.T.: 11.147 min
Delta R.T.: 0.000 min
Response: 715636
Conc: 5.07 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



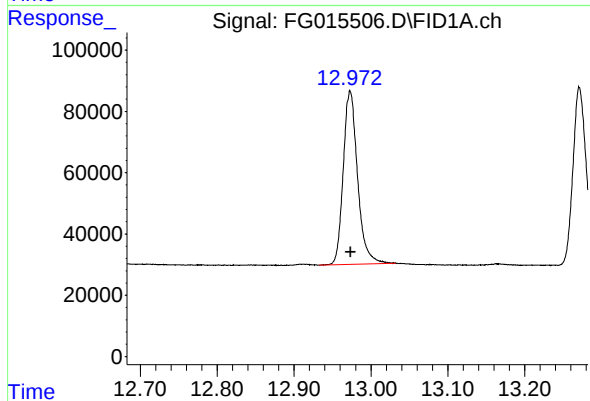
#10 Anthracene (C19.43)

R.T.: 11.224 min
Delta R.T.: 0.001 min
Response: 689297
Conc: 5.03 ug/ml



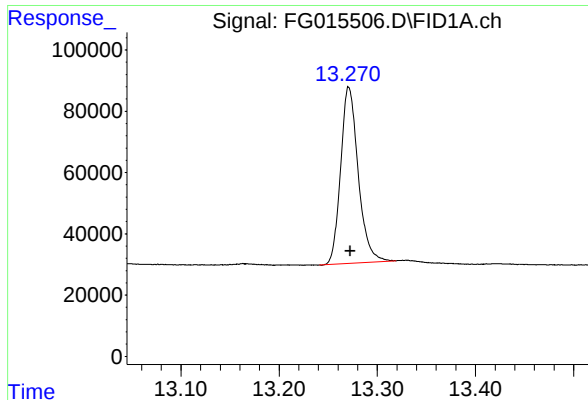
#11 ortho-Terphenyl (SURR)

R.T.: 11.917 min
Delta R.T.: 0.000 min
Response: 752937
Conc: 5.17 ug/ml



#12 Fluoranthene (C21.85)

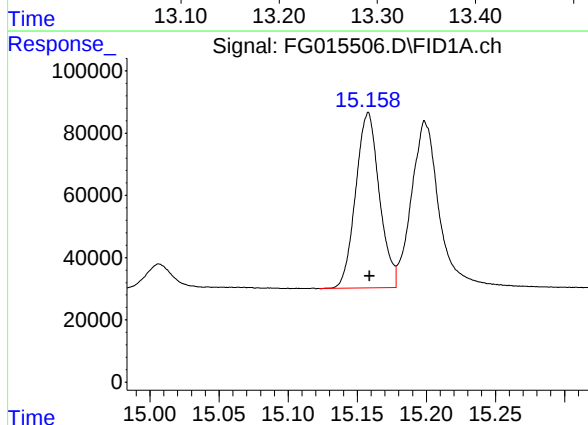
R.T.: 12.973 min
Delta R.T.: 0.000 min
Response: 729990
Conc: 5.12 ug/ml



#13 Pyrene (C20.8)

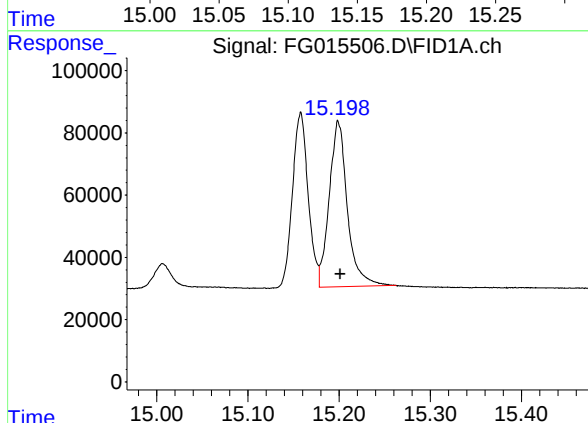
R.T.: 13.271 min
Delta R.T.: -0.001 min
Response: 714259
Conc: 5.08 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



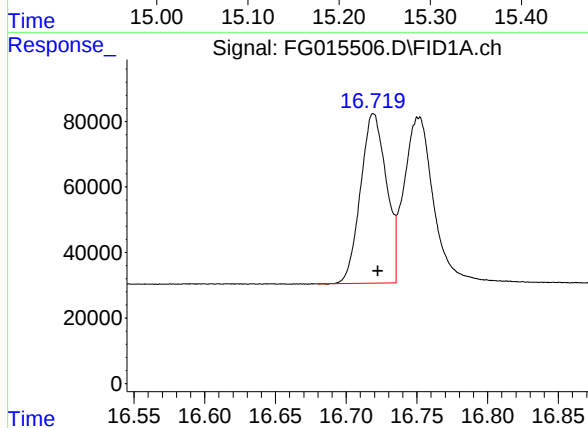
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.158 min
Delta R.T.: -0.001 min
Response: 670852
Conc: 4.90 ug/ml



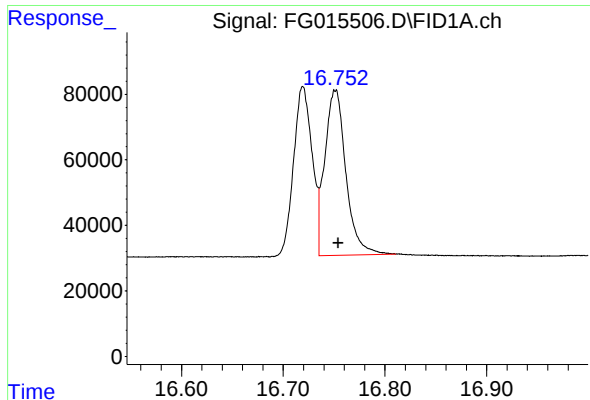
#15 Chrysene (C27.41)

R.T.: 15.199 min
Delta R.T.: -0.002 min
Response: 736510
Conc: 5.29 ug/ml



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

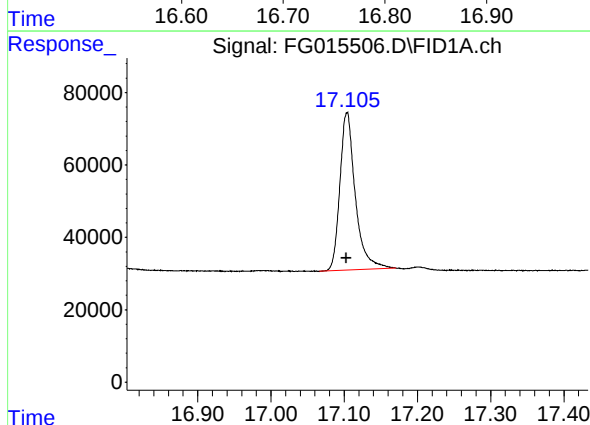
R.T.: 16.720 min
Delta R.T.: -0.003 min
Response: 656395
Conc: 4.92 ug/ml



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

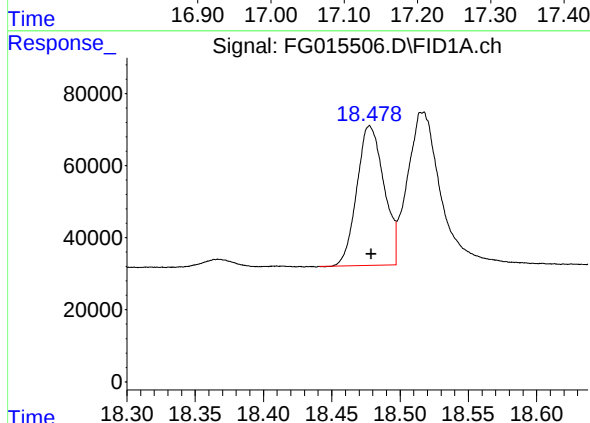
R.T.: 16.751 min
Delta R.T.: -0.003 min
Response: 726748
Conc: 5.37 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



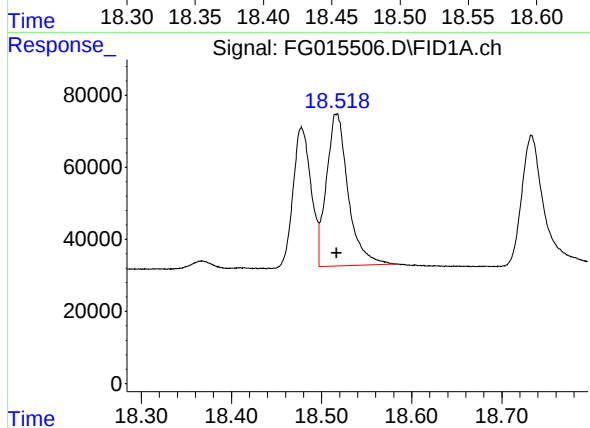
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.104 min
Delta R.T.: 0.000 min
Response: 637092
Conc: 5.07 ug/ml



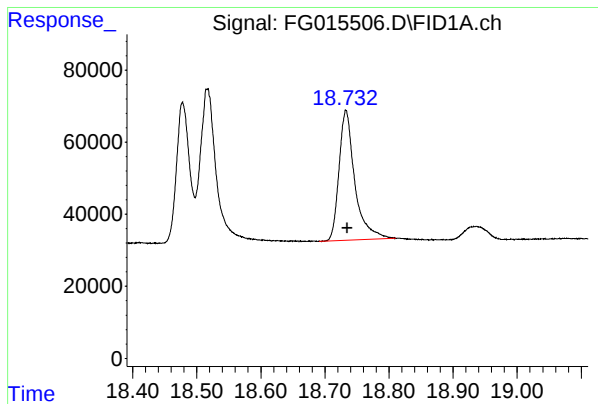
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.478 min
Delta R.T.: 0.000 min
Response: 534014
Conc: 4.89 ug/ml



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

R.T.: 18.517 min
Delta R.T.: 0.000 min
Response: 705044
Conc: 5.42 ug/ml



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

R.T.: 18.733 min
Delta R.T.: -0.002 min
Response: 614526
Conc: 5.17 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015506.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 19:29
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 75 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.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	4.559	4.527	4.607	BB	67365	681641	90.53%	4.885%
2	6.238	6.207	6.299	BB	61462	662743	88.02%	4.750%
3	7.339	7.306	7.402	BB	57294	651323	86.50%	4.668%
4	7.969	7.916	8.029	BB	54625	602634	80.04%	4.319%
5	8.644	8.614	8.717	BB	63210	719825	95.60%	5.159%
6	8.848	8.817	8.904	BB	31336	388125	51.55%	2.782%
7	8.943	8.916	8.997	BB	62940	676555	89.86%	4.849%
8	9.737	9.694	9.807	BB	54042	686185	91.13%	4.918%
9	11.147	11.106	11.199	BV	57886	715636	95.05%	5.129%
10	11.224	11.199	11.269	VV	50072	689297	91.55%	4.940%
11	11.917	11.862	11.969	BB	65171	752937	100.00%	5.396%
12	12.973	12.932	13.032	BB	56640	729990	96.95%	5.232%
13	13.271	13.241	13.319	BB	57601	714259	94.86%	5.119%
14	15.158	15.122	15.178	BV	56166	670852	89.10%	4.808%
15	15.199	15.178	15.262	VB	53126	736510	97.82%	5.279%
16	16.720	16.681	16.735	BV	51745	656395	87.18%	4.705%
17	16.751	16.735	16.811	VB	50451	726748	96.52%	5.209%
18	17.104	17.066	17.171	BB	43580	637092	84.61%	4.566%
19	18.478	18.441	18.497	BV	38656	534014	70.92%	3.827%
20	18.517	18.497	18.582	VB	42211	705044	93.64%	5.053%
21	18.733	18.691	18.811	BB	36181	614526	81.62%	4.404%
Sum of corrected areas:							13952331	

Aromatic EPH 031725.M Tue Mar 18 05:31:46 2025

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	17 Mar 2025 19:59
Client Sample ID:	20 PPM AROMATIC HC S	Operator:	YP\AJ
Data file:	FG015507.D	Misc:	
Instrument:	FID_G	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.457	6.336	5343719	39.88	200	ug/ml
Aromatic C12-C16	6.337	9.044	8274917	60.334	300	ug/ml
Aromatic C16-C21	9.045	13.372	14028613	100.628	500	ug/ml
Aromatic C21-C36	13.373	18.833	20551844	157.856	800	ug/ml
Aromatic EPH	4.457	18.833	48199093	358.698		ug/ml
ortho-Terphenyl (SURR)	11.918	11.918	2915333	19.99		ug/ml
2-Bromonaphthalene (SURR)	7.968	7.968	2456519	20.11		ug/ml
2-Fluorobiphenyl (SURR)	8.845	8.845	1686476	20.4		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
 Data File : FG015507.D
 Signal(s) : FID1A.ch
 Acq On : 17 Mar 2025 19:59
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Mar 18 05:14:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:13:04 2025
 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...	7.968	2456519	20.110 ug/ml
Spiked Amount 50.000		Recovery =	40.22%
6) S 2-Fluorobiphenyl (SURR)	8.845	1686476	20.403 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.81%
11) S ortho-Terphenyl (SURR)	11.918	2915333	19.991 ug/ml
Spiked Amount 50.000		Recovery =	39.98%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.558	2641903	19.881 ug/ml
2) T Naphthalene (C11.7)	6.237	2701816	19.998 ug/ml
3) T 2-Methylnaphthalene (...)	7.338	2684162	20.122 ug/ml
5) T Acenaphthylene (C15.06)	8.644	2840710	20.057 ug/ml
7) T Acenaphthene (C15.5)	8.944	2750045	20.157 ug/ml
8) T Fluorene (C16.55)	9.736	2813686	20.155 ug/ml
9) T Phenanthrene (C19.36)	11.146	2817182	19.997 ug/ml
10) T Anthracene (C19.43)	11.222	2741355	20.033 ug/ml
12) T Fluoranthene (C21.85)	12.973	2847782	19.970 ug/ml
13) T Pyrene (C20.8)	13.272	2808608	20.017 ug/ml
14) T Benzo[a]anthracene (C...	15.159	2727508	20.110 ug/ml
15) T Chrysene (C27.41)	15.201	2780462	19.862 ug/ml
16) T benzo[b]fluoranthene ...	16.721	2650809	20.061 ug/ml
17) T Bnezo[k]fluoranthene ...	16.752	2709173	19.842 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.103	2512163	20.033 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.478	2191508	19.697 ug/ml
20) T Dibenz[a,h]anthracene...	18.515	2598451	20.193 ug/ml
21) T Benzo[g,h,i]perylene ...	18.733	2381770	19.932 ug/ml

(f)=RT Delta > 1/2 Window

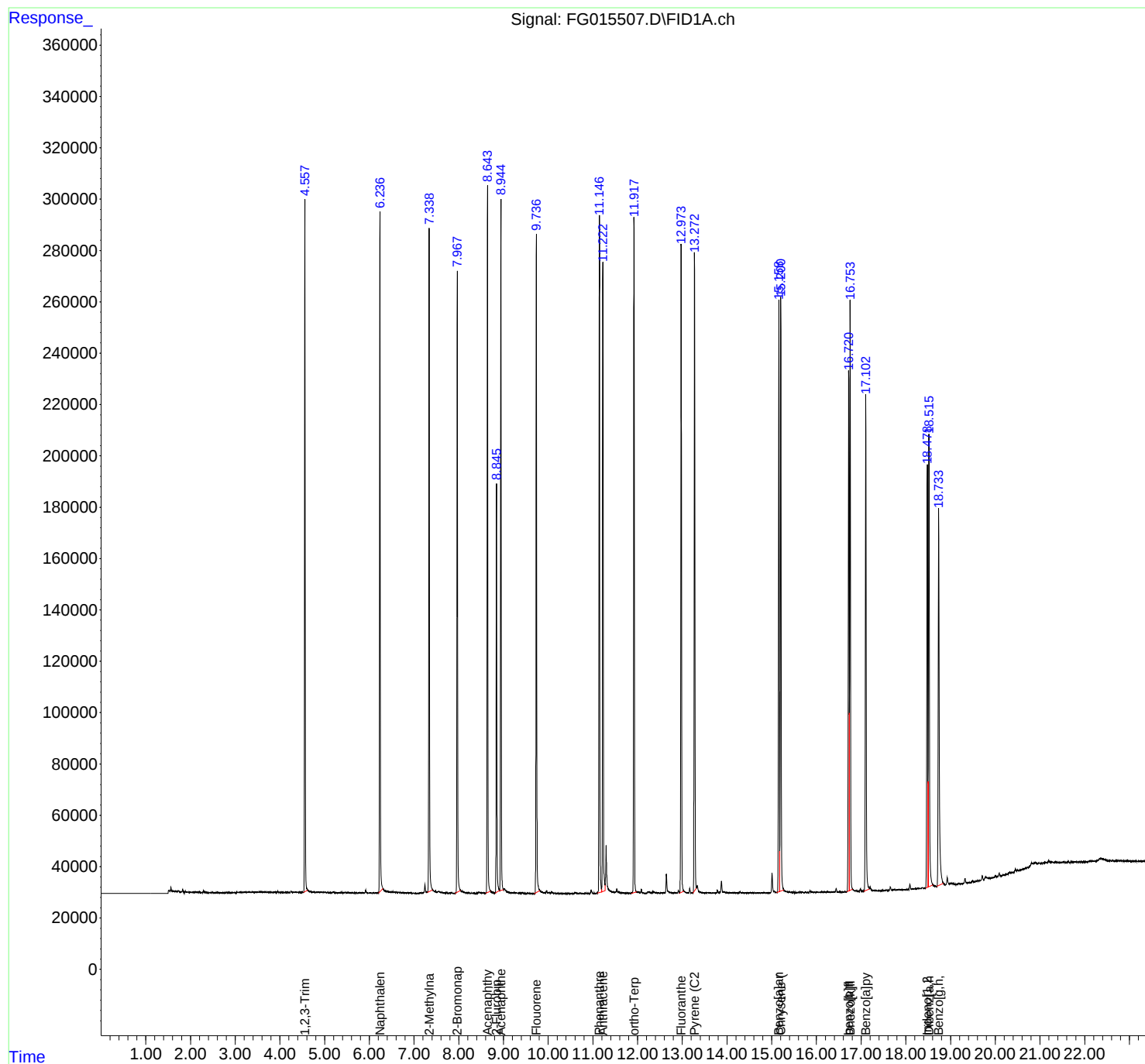
(m)=manual int.

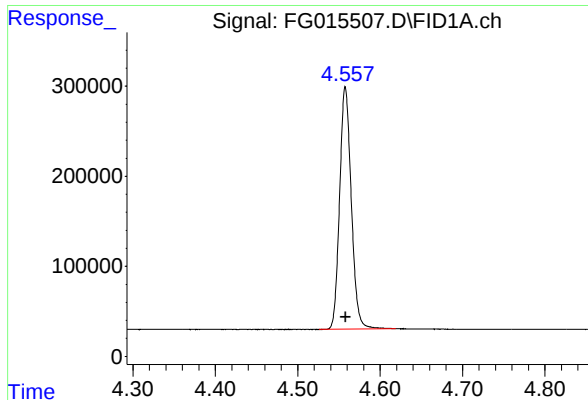
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015507.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 19:59
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Mar 18 05:14:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

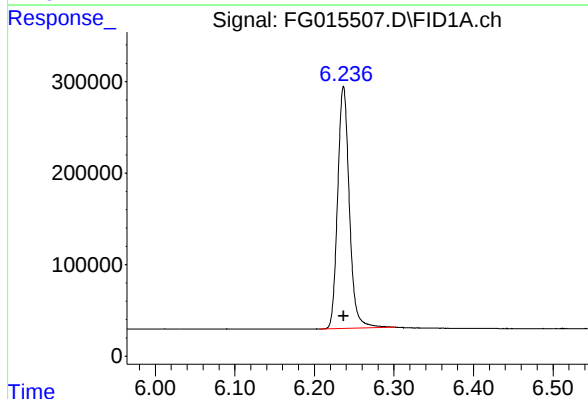




#1 1,2,3-Trimethylbenzene (C10.1)

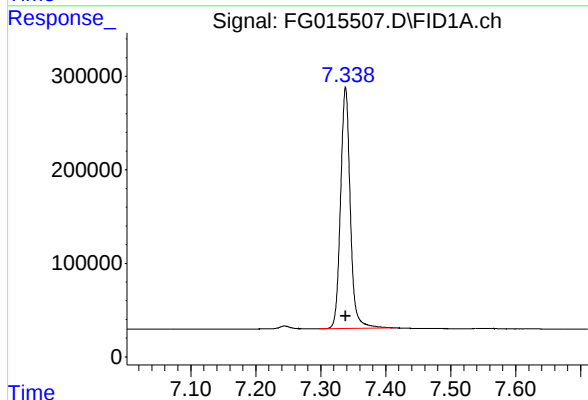
R.T.: 4.558 min
Delta R.T.: 0.000 min
Response: 2641903
Conc: 19.88 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV



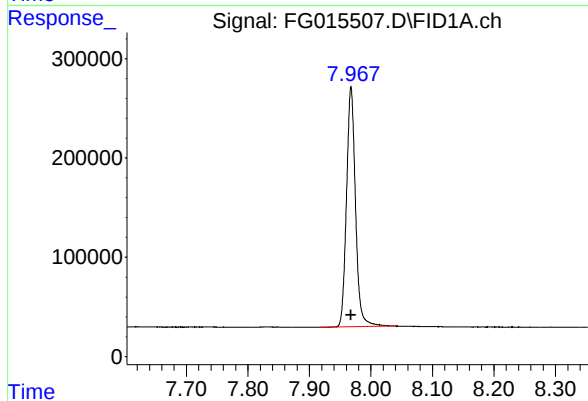
#2 Naphthalene (C11.7)

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 2701816
Conc: 20.00 ug/ml



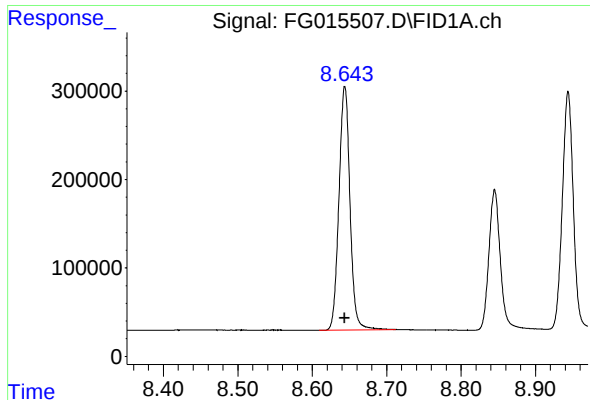
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.338 min
Delta R.T.: 0.000 min
Response: 2684162
Conc: 20.12 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 2456519
Conc: 20.11 ug/ml



#5 Acenaphthylene (C15.06)

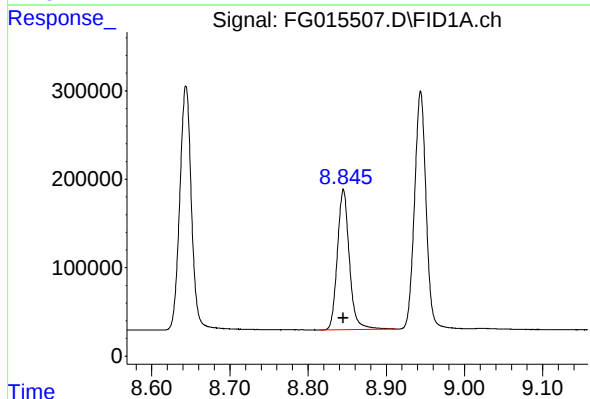
R.T.: 8.644 min
Delta R.T.: 0.000 min
Response: 2840710
Conc: 20.06 ug/ml

Instrument :

FID_G

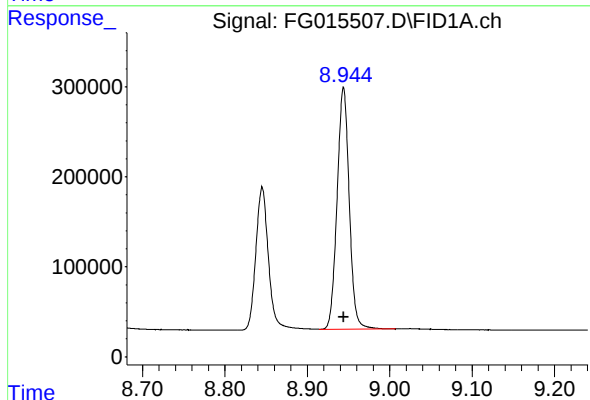
ClientSampleId :

20 PPM AROMATIC HC STD ICV



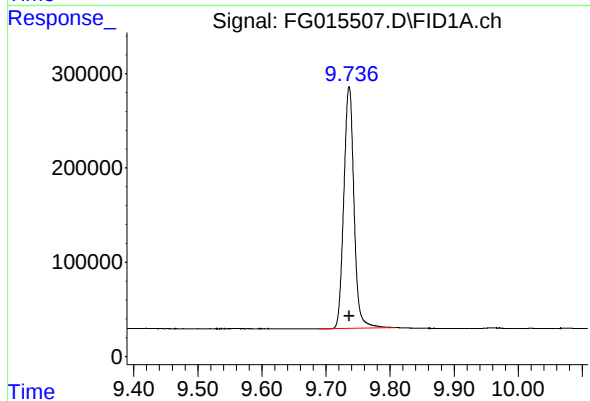
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.845 min
Delta R.T.: 0.000 min
Response: 1686476
Conc: 20.40 ug/ml



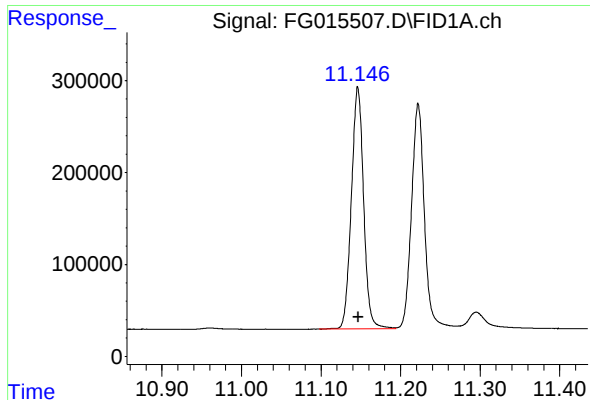
#7 Acenaphthene (C15.5)

R.T.: 8.944 min
Delta R.T.: 0.000 min
Response: 2750045
Conc: 20.16 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.736 min
Delta R.T.: 0.000 min
Response: 2813686
Conc: 20.15 ug/ml



#9 Phenanthrene (C19.36)

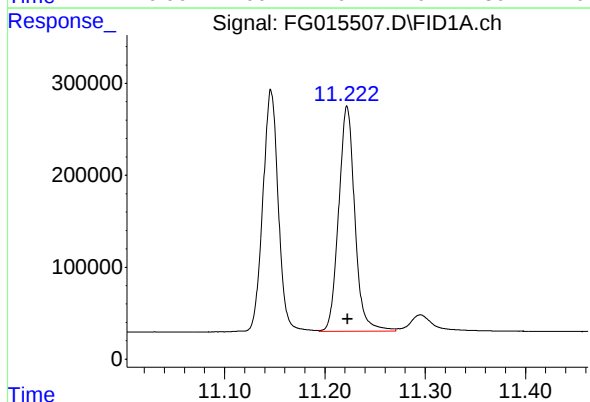
R.T.: 11.146 min
Delta R.T.: 0.000 min
Response: 2817182
Conc: 20.00 ug/ml

Instrument :

FID_G

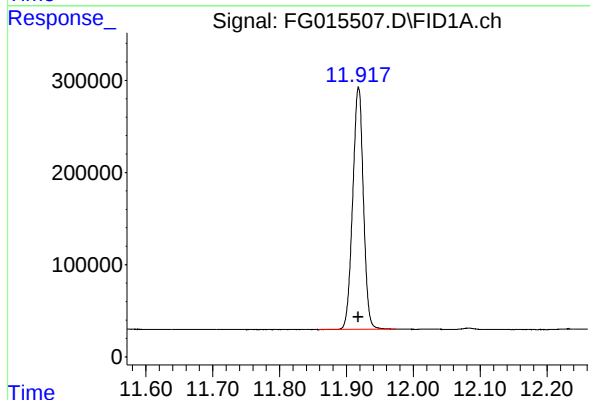
ClientSampleId :

20 PPM AROMATIC HC STD ICV



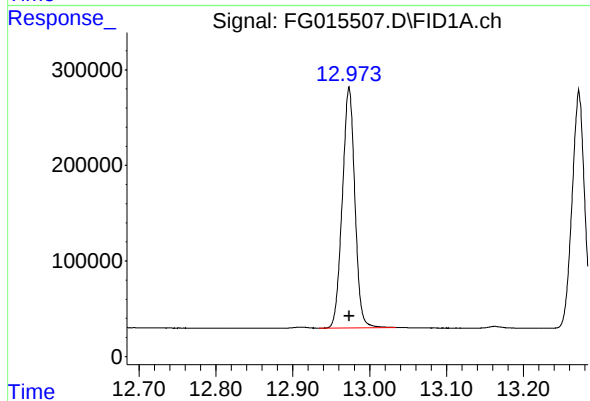
#10 Anthracene (C19.43)

R.T.: 11.222 min
Delta R.T.: 0.000 min
Response: 2741355
Conc: 20.03 ug/ml



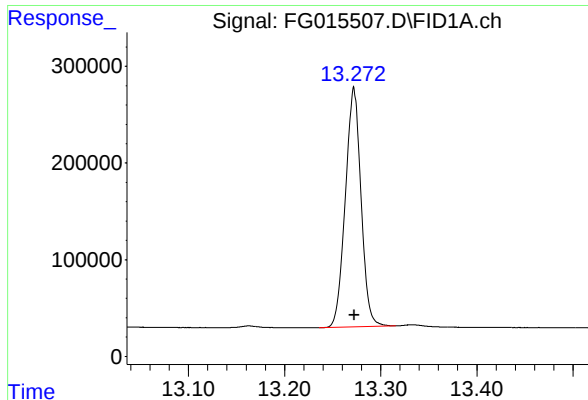
#11 ortho-Terphenyl (SURRE)

R.T.: 11.918 min
Delta R.T.: 0.000 min
Response: 2915333
Conc: 19.99 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.973 min
Delta R.T.: 0.000 min
Response: 2847782
Conc: 19.97 ug/ml



#13 Pyrene (C20.8)

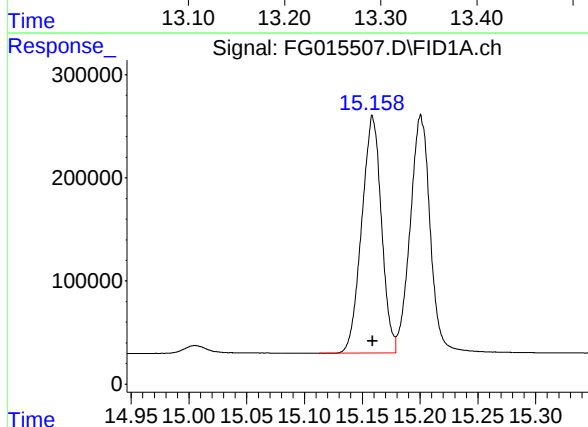
R.T.: 13.272 min
Delta R.T.: 0.000 min
Response: 2808608
Conc: 20.02 ug/ml

Instrument :

FID_G

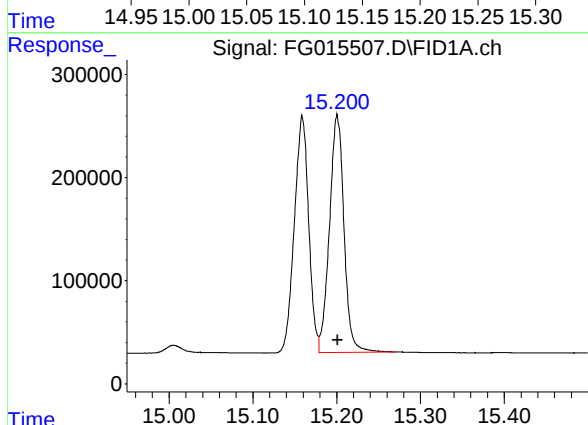
ClientSampleId :

20 PPM AROMATIC HC STD ICV



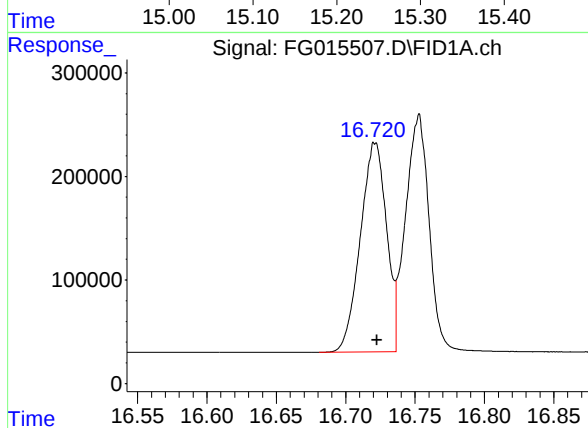
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.159 min
Delta R.T.: 0.000 min
Response: 2727508
Conc: 20.11 ug/ml



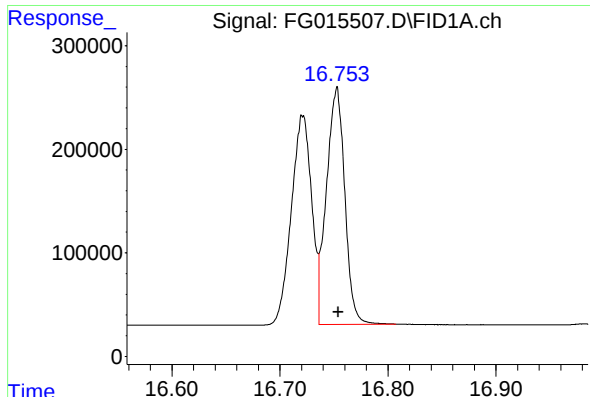
#15 Chrysene (C27.41)

R.T.: 15.201 min
Delta R.T.: 0.000 min
Response: 2780462
Conc: 19.86 ug/ml



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

R.T.: 16.721 min
Delta R.T.: -0.001 min
Response: 2650809
Conc: 20.06 ug/ml



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

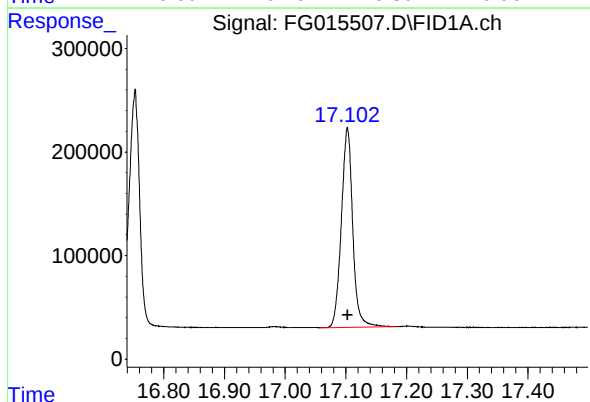
R.T.: 16.752 min
Delta R.T.: -0.002 min
Response: 2709173
Conc: 19.84 ug/ml

Instrument :

FID_G

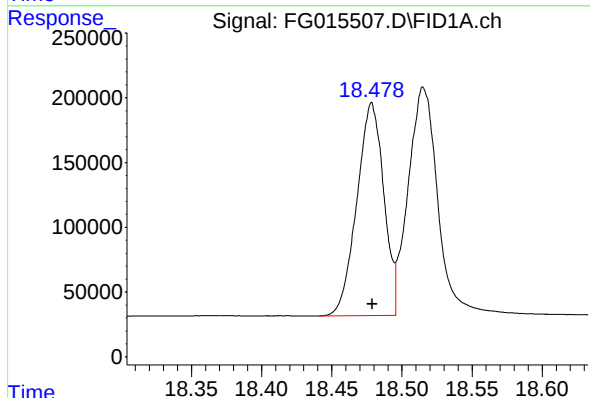
ClientSampleId :

20 PPM AROMATIC HC STD ICV



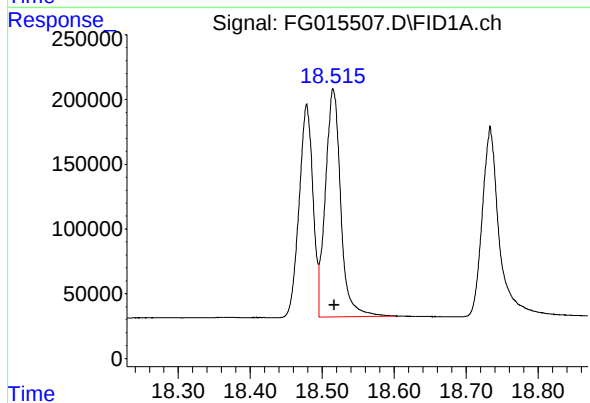
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.103 min
Delta R.T.: 0.000 min
Response: 2512163
Conc: 20.03 ug/ml



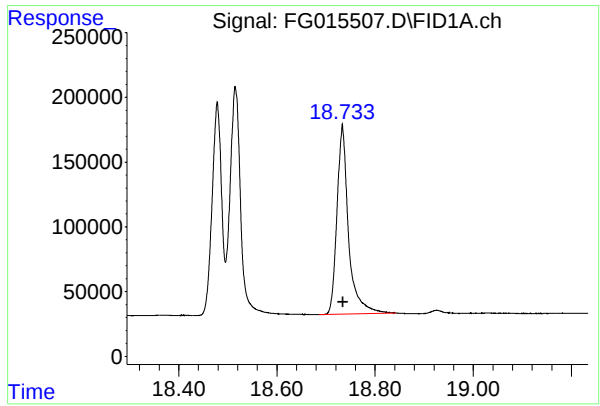
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.478 min
Delta R.T.: 0.000 min
Response: 2191508
Conc: 19.70 ug/ml



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

R.T.: 18.515 min
Delta R.T.: -0.001 min
Response: 2598451
Conc: 20.19 ug/ml



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

R.T.: 18.733 min
Delta R.T.: -0.001 min
Response: 2381770
Conc: 19.93 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015507.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 19:59
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 76 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.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	4.558	4.526	4.619	BB	269068	2641903	90.62%	4.781%
2	6.237	6.206	6.302	BB	264619	2701816	92.68%	4.890%
3	7.338	7.297	7.416	BB	258081	2684162	92.07%	4.858%
4	7.968	7.916	8.041	BB	241447	2456519	84.26%	4.446%
5	8.644	8.609	8.712	BB	275828	2840710	97.44%	5.141%
6	8.845	8.814	8.912	BB	158538	1686476	57.85%	3.052%
7	8.944	8.914	9.007	BB	269222	2750045	94.33%	4.977%
8	9.736	9.689	9.809	BB	256603	2813686	96.51%	5.092%
9	11.146	11.097	11.194	BV	263586	2817182	96.63%	5.098%
10	11.222	11.194	11.271	VV	244559	2741355	94.03%	4.961%
11	11.918	11.859	11.974	BB	262789	2915333	100.00%	5.276%
12	12.973	12.934	13.034	BB	250426	2847782	97.68%	5.154%
13	13.272	13.236	13.316	BV	247435	2808608	96.34%	5.083%
14	15.159	15.112	15.179	BV	229610	2727508	93.56%	4.936%
15	15.201	15.179	15.271	VB	229818	2780462	95.37%	5.032%
16	16.721	16.681	16.736	BV	202169	2650809	90.93%	4.797%
17	16.752	16.736	16.807	VB	228028	2709173	92.93%	4.903%
18	17.103	17.056	17.182	BB	192942	2512163	86.17%	4.546%
19	18.478	18.441	18.496	BV	164329	2191508	75.17%	3.966%
20	18.515	18.496	18.602	VB	175375	2598451	89.13%	4.702%
21	18.733	18.686	18.842	BB	145615	2381770	81.70%	4.310%
Sum of corrected areas:							55257421	

Aromatic EPH 031725.M Tue Mar 18 05:32:04 2025

Continuing Calibration Report for SequenceID : FC032825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068432.D

Aliphatic C9-C12	9984223.000	60.000	3.100	6.360	166403.717	162319.116	-2.516
Aliphatic C12-C16	6826421.000	40.000	6.361	9.742	170660.525	168194.168	-1.466
Aliphatic C16-C21	10083173.000	60.000	9.743	13.094	168052.883	171510.591	2.016
Aliphatic C21-C28	12341117.000	80.000	13.095	16.746	154263.963	168869.942	8.649
Aliphatic C28-C40	14271477.000	120.000	16.747	21.538	118928.975	136171.748	12.663
Aliphatic EPH	53506411.000	360.000	3.100	21.538	148628.919	157243.762	5.479

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	28 Mar 2025 11:40
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068432.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.100	6.360	9984223.000	60.000	ug/ml
Aliphatic C12-C16	6.361	9.742	6826421.000	40.000	ug/ml
Aliphatic C16-C21	9.743	13.094	10083173.000	60.000	ug/ml
Aliphatic C21-C28	13.095	16.746	12341117.000	80.000	ug/ml
Aliphatic C28-C40	16.747	21.538	14271477.000	120.000	ug/ml
Aliphatic EPH	3.100	21.538	53506411.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC032825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068441.D

Aliphatic C9-C12	9550843.000	60.000	3.100	6.360	159180.717	162319.116	1.933
Aliphatic C12-C16	6539878.000	40.000	6.361	9.742	163496.950	168194.168	2.793
Aliphatic C16-C21	9653578.000	60.000	9.743	13.094	160892.967	171510.591	6.191
Aliphatic C21-C28	11829247.000	80.000	13.095	16.746	147865.588	168869.942	12.438
Aliphatic C28-C40	14047287.000	120.000	16.747	21.538	117060.725	136171.748	14.034
Aliphatic EPH	51620833.000	360.000	3.100	21.538	143391.203	157243.762	8.810

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	28 Mar 2025 22:21
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068441.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.100	6.360	9550843.000	60.000	ug/ml
Aliphatic C12-C16	6.361	9.742	6539878.000	40.000	ug/ml
Aliphatic C16-C21	9.743	13.094	9653578.000	60.000	ug/ml
Aliphatic C21-C28	13.095	16.746	11829247.000	80.000	ug/ml
Aliphatic C28-C40	16.747	21.538	14047287.000	120.000	ug/ml
Aliphatic EPH	3.100	21.538	51620833.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC040125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068468.D

Aliphatic C9-C12	9682294.000	60.000	3.097	6.359	161371.567	162319.116	0.584
Aliphatic C12-C16	6682574.000	40.000	6.360	9.742	167064.350	168194.168	0.672
Aliphatic C16-C21	9959123.000	60.000	9.743	13.096	165985.383	171510.591	3.221
Aliphatic C21-C28	12456931.000	80.000	13.097	16.749	155711.638	168869.942	7.792
Aliphatic C28-C40	14862509.000	120.000	16.750	21.544	123854.242	136171.748	9.046
Aliphatic EPH	53643431.000	360.000	3.097	21.544	149009.531	157243.762	5.237

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	01 Apr 2025 11:08
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068468.D	Misc:	
Instrument:	FID_C	ALS Vial:	5
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.097	6.359	9682294.000	60.000	ug/ml
Aliphatic C12-C16	6.360	9.742	6682574.000	40.000	ug/ml
Aliphatic C16-C21	9.743	13.096	9959123.000	60.000	ug/ml
Aliphatic C21-C28	13.097	16.749	12456931.000	80.000	ug/ml
Aliphatic C28-C40	16.750	21.544	14862509.000	120.000	ug/ml
Aliphatic EPH	3.097	21.544	53643431.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC040125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068484.D

Aliphatic C9-C12	9631436.000	60.000	3.097	6.359	160523.933	162319.116	1.106
Aliphatic C12-C16	6596610.000	40.000	6.360	9.742	164915.250	168194.168	1.949
Aliphatic C16-C21	9731662.000	60.000	9.743	13.096	162194.367	171510.591	5.432
Aliphatic C21-C28	12232234.000	80.000	13.097	16.749	152902.925	168869.942	9.455
Aliphatic C28-C40	14883593.000	120.000	16.750	21.544	124029.942	136171.748	8.917
Aliphatic EPH	53075535.000	360.000	3.097	21.544	147432.042	157243.762	6.240

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	02 Apr 2025 01:23
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068484.D	Misc:	
Instrument:	FID_C	ALS Vial:	5
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.097	6.359	9631436.000	60.000	ug/ml
Aliphatic C12-C16	6.360	9.742	6596610.000	40.000	ug/ml
Aliphatic C16-C21	9.743	13.096	9731662.000	60.000	ug/ml
Aliphatic C21-C28	13.097	16.749	12232234.000	80.000	ug/ml
Aliphatic C28-C40	16.750	21.544	14883593.000	120.000	ug/ml
Aliphatic EPH	3.097	21.544	53075535.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FF032825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FF015742.D

Aliphatic C9-C12	7590297.000	60.000	3.211	6.833	126504.950	128465.799	1.526
Aliphatic C12-C16	5306204.000	40.000	6.834	10.268	132655.100	131614.301	-0.791
Aliphatic C16-C21	8259169.000	60.000	10.269	13.634	137652.817	135374.394	-1.683
Aliphatic C21-C28	11178024.000	80.000	13.635	17.200	139725.300	132278.233	-5.630
Aliphatic C28-C40	13103539.000	120.000	17.201	22.202	109196.158	108147.044	-0.970
Aliphatic EPH	45437233.000	360.000	3.211	22.202	126214.536	124041.354	-1.752

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	28 Mar 2025 11:38
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015742.D	Misc:	
Instrument:	FID_F	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.211	6.833	7590297.000	60.000	ug/ml
Aliphatic C12-C16	6.834	10.268	5306204.000	40.000	ug/ml
Aliphatic C16-C21	10.269	13.634	8259169.000	60.000	ug/ml
Aliphatic C21-C28	13.635	17.200	11178024.000	80.000	ug/ml
Aliphatic C28-C40	17.201	22.202	13103539.000	120.000	ug/ml
Aliphatic EPH	3.211	22.202	45437233.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FF032825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FF015752.D

Aliphatic C9-C12	7088622.000	60.000	3.211	6.833	118143.700	128465.799	8.035
Aliphatic C12-C16	4911388.000	40.000	6.834	10.268	122784.700	131614.301	6.709
Aliphatic C16-C21	7679869.000	60.000	10.269	13.634	127997.817	135374.394	5.449
Aliphatic C21-C28	10007110.000	80.000	13.635	17.200	125088.875	132278.233	5.435
Aliphatic C28-C40	11793922.000	120.000	17.201	22.202	98282.683	108147.044	9.121
Aliphatic EPH	41480911.000	360.000	3.211	22.202	115224.753	124041.354	7.108

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	28 Mar 2025 21:23
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015752.D	Misc:	
Instrument:	FID_F	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.211	6.833	7088622.000	60.000	ug/ml
Aliphatic C12-C16	6.834	10.268	4911388.000	40.000	ug/ml
Aliphatic C16-C21	10.269	13.634	7679869.000	60.000	ug/ml
Aliphatic C21-C28	13.635	17.200	10007110.000	80.000	ug/ml
Aliphatic C28-C40	17.201	22.202	11793922.000	120.000	ug/ml
Aliphatic EPH	3.211	22.202	41480911.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FG032825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FG015572.D

Aromatic C10-C12	5212196.000	40.000	4.449	6.329	130304.900	133996.317	2.755
Aromatic C12-C16	8020452.000	60.000	6.330	9.039	133674.200	137151.728	2.536
Aromatic C16-C21	10337835.000	80.000	9.040	13.371	129222.938	139410.441	7.308
Aromatic C21-C36	21669615.000	180.000	13.372	18.837	120386.750	130193.774	7.533
Aromatic EPH	45240098.000	360.000	4.449	18.837	125666.939	133824.086	6.095

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	28 Mar 2025 12:56
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015572.D	Misc:	
Instrument:	FID_G	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.449	6.329	5212196.000	40.000	ug/ml
Aromatic C12-C16	6.330	9.039	8020452.000	60.000	ug/ml
Aromatic C16-C21	9.040	13.371	10337835.000	80.000	ug/ml
Aromatic C21-C36	13.372	18.837	21669615.000	180.000	ug/ml
Aromatic EPH	4.449	18.837	45240098.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FG032825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FG015585.D

Aromatic C10-C12	5174568.000	40.000	4.449	6.329	129364.200	133996.317	3.457
Aromatic C12-C16	8034793.000	60.000	6.330	9.039	133913.217	137151.728	2.361
Aromatic C16-C21	10315765.000	80.000	9.040	13.371	128947.063	139410.441	7.505
Aromatic C21-C36	21978345.000	180.000	13.372	18.837	122101.917	130193.774	6.215
Aromatic EPH	45503471.000	360.000	4.449	18.837	126398.531	133824.086	5.549

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	28 Mar 2025 22:51
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015585.D	Misc:	
Instrument:	FID_G	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.449	6.329	5174568.000	40.000	ug/ml
Aromatic C12-C16	6.330	9.039	8034793.000	60.000	ug/ml
Aromatic C16-C21	9.040	13.371	10315765.000	80.000	ug/ml
Aromatic C21-C36	13.372	18.837	21978345.000	180.000	ug/ml
Aromatic EPH	4.449	18.837	45503471.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FG032825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FG015591.D

Aromatic C10-C12	5178861.000	40.000	4.449	6.329	129471.525	133996.317	3.377
Aromatic C12-C16	8038714.000	60.000	6.330	9.039	133978.567	137151.728	2.314
Aromatic C16-C21	10318195.000	80.000	9.040	13.371	128977.438	139410.441	7.484
Aromatic C21-C36	21839978.000	180.000	13.372	18.837	121333.211	130193.774	6.806
Aromatic EPH	45375748.000	360.000	4.449	18.837	126043.744	133824.086	5.814

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	29 Mar 2025 02:46
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015591.D	Misc:	
Instrument:	FID_G	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.449	6.329	5178861.000	40.000	ug/ml
Aromatic C12-C16	6.330	9.039	8038714.000	60.000	ug/ml
Aromatic C16-C21	9.040	13.371	10318195.000	80.000	ug/ml
Aromatic C21-C36	13.372	18.837	21839978.000	180.000	ug/ml
Aromatic EPH	4.449	18.837	45375748.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FG040125AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FG015594.D

Aromatic C10-C12	5474581.000	40.000	4.450	6.329	136864.525	133996.317	-2.141
Aromatic C12-C16	8515969.000	60.000	6.330	9.035	141932.817	137151.728	-3.486
Aromatic C16-C21	10771263.000	80.000	9.036	13.365	134640.788	139410.441	3.421
Aromatic C21-C36	22584191.000	180.000	13.366	18.829	125467.728	130193.774	3.630
Aromatic EPH	47346004.000	360.000	4.450	18.829	131516.678	133824.086	1.724

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	01 Apr 2025 14:19
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015594.D	Misc:	
Instrument:	FID_G	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.450	6.329	5474581.000	40.000	ug/ml
Aromatic C12-C16	6.330	9.035	8515969.000	60.000	ug/ml
Aromatic C16-C21	9.036	13.365	10771263.000	80.000	ug/ml
Aromatic C21-C36	13.366	18.829	22584191.000	180.000	ug/ml
Aromatic EPH	4.450	18.829	47346004.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FG040125AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FG015610.D

Aromatic C10-C12	5822958.000	40.000	4.450	6.329	145573.950	133996.317	-8.640
Aromatic C12-C16	8978267.000	60.000	6.330	9.035	149637.783	137151.728	-9.104
Aromatic C16-C21	11335341.000	80.000	9.036	13.365	141691.763	139410.441	-1.636
Aromatic C21-C36	23501233.000	180.000	13.366	18.829	130562.406	130193.774	-0.283
Aromatic EPH	49637799.000	360.000	4.450	18.829	137882.775	133824.086	-3.033

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	01 Apr 2025 23:50
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015610.D	Misc:	
Instrument:	FID_G	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.450	6.329	5822958.000	40.000	ug/ml
Aromatic C12-C16	6.330	9.035	8978267.000	60.000	ug/ml
Aromatic C16-C21	9.036	13.365	11335341.000	80.000	ug/ml
Aromatic C21-C36	13.366	18.829	23501233.000	180.000	ug/ml
Aromatic EPH	4.450	18.829	49637799.000	360.000	ug/ml