



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB01	SDG No.:	Q1746
Lab Sample ID:	Q1746-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
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
04/08/25 10:10	04/11/25 0:41	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.39	J	1	0.16	1.12	mg/kg	FC068565.D
Aliphatic C12-C16	Aliphatic C12-C16	1.86		1	0.12	0.75	mg/kg	FC068565.D
Aliphatic C16-C21	Aliphatic C16-C21	4.07		1	0.14	1.12	mg/kg	FC068565.D
Aliphatic C21-C28	Aliphatic C21-C28	0.79	J	1	0.59	1.49	mg/kg	FC068565.D
Aliphatic C28-C40	Aliphatic C28-C40	2.09	J	1	1.32	2.24	mg/kg	FC068565.D
Aromatic C10-C12	Aromatic C10-C12	0.48	J	1	0.13	0.75	mg/kg	FD049274.D
Aromatic C12-C16	Aromatic C12-C16	0.47	J	1	0.26	1.12	mg/kg	FD049274.D
Aromatic C16-C21	Aromatic C16-C21	3.58		1	0.45	1.87	mg/kg	FD049274.D
Aromatic C21-C36	Aromatic C21-C36	3.46		1	1.33	2.98	mg/kg	FD049274.D
Total AliphaticEPH	Total AliphaticEPH	9.20			2.34	6.72	mg/kg	
Total AromaticEPH	Total AromaticEPH	7.99			2.17	6.72	mg/kg	
Total EPH	Total EPH	17.2			4.51	13.4	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:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB01	SDG No.:	Q1746
Lab Sample ID:	Q1746-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
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
FC068565.D	1	04/08/25	04/11/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.39	J	0.16	1.12	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1.86		0.12	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	4.07		0.14	1.12	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.79	J	0.59	1.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.09	J	1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.0		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1746-01	Acq On:	11 Apr 2025 00:41
Client Sample ID:	B-149-SB01	Operator:	YP/AJ
Data file:	FC068565.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	3.345	6.644	550884	5.232	300	ug/ml
Aliphatic C12-C16	6.645	10.043	2552564	24.946	200	ug/ml
Aliphatic C16-C21	10.044	13.409	5384417	54.489	300	ug/ml
Aliphatic C21-C28	13.410	17.073	996124	10.576	400	ug/ml
Aliphatic C28-C40	17.074	22.075	2512377	27.952	600	ug/ml
Aliphatic EPH	3.345	22.075	11996366	123.196		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.145	13.145	4089584	44.02		ug/ml
Aliphatic C9-C28	3.345	17.073	9483989	95.243	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB01	SDG No.:	Q1746
Lab Sample ID:	Q1746-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
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
FD049274.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.48	J	0.13	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.47	J	0.26	1.12	mg/kg
Aromatic C16-C21	Aromatic C16-C21	3.58		0.45	1.87	mg/kg
Aromatic C21-C36	Aromatic C21-C36	3.46		1.33	2.98	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	38.1		40 - 140	76%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.2		40 - 140	64%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1746-01	Acq On:	10 Apr 2025 17:53
Client Sample ID:	B-149-SB01	Operator:	YP/AJ
Data file:	FD049274.D	Misc:	
Instrument:	FID_D	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	1017917	6.492	200	ug/ml
Aromatic C12-C16	6.186	8.813	1066324	6.264	300	ug/ml
Aromatic C16-C21	8.814	13.102	8051228	48.009	500	ug/ml
Aromatic C21-C36	13.103	18.519	6415020	46.438	800	ug/ml
Aromatic EPH	4.440	18.519	16550489	107.204		ug/ml
2-Bromonaphthalene (SURRE)	7.749	7.749	5645993	38.11		ug/ml
2-Fluorobiphenyl (SURRE)	8.615	8.615	3309950	32.45		ug/ml
ortho-Terphenyl (SURRE)	11.657	11.657	5676156	32.22		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB02	SDG No.:	Q1746
Lab Sample ID:	Q1746-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
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
04/08/25 10:10	04/11/25 3:09	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.37	J	1	0.17	1.18	mg/kg	FC068569.D
Aliphatic C12-C16	Aliphatic C12-C16	1.84		1	0.13	0.79	mg/kg	FC068569.D
Aliphatic C16-C21	Aliphatic C16-C21	0.70	J	1	0.15	1.18	mg/kg	FC068569.D
Aliphatic C21-C28	Aliphatic C21-C28	0.62	U	1	0.62	1.57	mg/kg	FC068569.D
Aliphatic C28-C40	Aliphatic C28-C40	2.07	J	1	1.39	2.35	mg/kg	FC068569.D
Aromatic C10-C12	Aromatic C10-C12	0.51	J	1	0.14	0.79	mg/kg	FD049278.D
Aromatic C12-C16	Aromatic C12-C16	0.55	J	1	0.27	1.18	mg/kg	FD049278.D
Aromatic C16-C21	Aromatic C16-C21	3.84		1	0.47	1.96	mg/kg	FD049278.D
Aromatic C21-C36	Aromatic C21-C36	2.28	J	1	1.40	3.14	mg/kg	FD049278.D
Total AliphaticEPH	Total AliphaticEPH	4.97	J		2.46	7.07	mg/kg	
Total AromaticEPH	Total AromaticEPH	7.18			2.28	7.07	mg/kg	
Total EPH	Total EPH	12.2	J		4.75	14.1	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:	Portal Partners Tri-Venture	Date Collected:	04/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB02	SDG No.:	Q1746
Lab Sample ID:	Q1746-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
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
FC068569.D	1	04/08/25	04/11/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.37	J	0.17	1.18	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1.84		0.13	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.70	J	0.15	1.18	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.62	U	0.62	1.57	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.07	J	1.39	2.35	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	58.6		40 - 140	117%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1746-03	Acq On:	11 Apr 2025 03:09
Client Sample ID:	B-149-SB02	Operator:	YP/AJ
Data file:	FC068569.D	Misc:	
Instrument:	FID_C	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.644	493328	4.686	300	ug/ml
Aliphatic C12-C16	6.645	10.043	2396771	23.424	200	ug/ml
Aliphatic C16-C21	10.044	13.409	875258	8.857	300	ug/ml
Aliphatic C21-C28	13.410	17.073	466350	4.951	400	ug/ml
Aliphatic C28-C40	17.074	22.075	2373373	26.405	600	ug/ml
Aliphatic EPH	3.345	22.075	6605080	68.323		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.150	13.150	5440453	58.57		ug/ml
Aliphatic C9-C28	3.345	17.073	4231707	41.918	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB02	SDG No.:	Q1746
Lab Sample ID:	Q1746-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
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
FD049278.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.51	J	0.14	0.79	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.55	J	0.27	1.18	mg/kg
Aromatic C16-C21	Aromatic C16-C21	3.84		0.47	1.96	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.28	J	1.40	3.14	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	39.4		40 - 140	79%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	32.0		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.7		40 - 140	85%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1746-03	Acq On:	10 Apr 2025 20:21
Client Sample ID:	B-149-SB02	Operator:	YP/AJ
Data file:	FD049278.D	Misc:	
Instrument:	FID_D	ALS Vial:	70
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	1022562	6.522	200	ug/ml
Aromatic C12-C16	6.186	8.813	1185906	6.967	300	ug/ml
Aromatic C16-C21	8.814	13.102	8214518	48.983	500	ug/ml
Aromatic C21-C36	13.103	18.519	4014322	29.06	800	ug/ml
Aromatic EPH	4.440	18.519	14437308	91.531		ug/ml
2-Bromonaphthalene (SURRE)	7.750	7.750	5841715	39.44		ug/ml
2-Fluorobiphenyl (SURRE)	8.614	8.614	3261837	31.98		ug/ml
ortho-Terphenyl (SURRE)	11.658	11.658	7525191	42.71		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-GW01	SDG No.:	Q1746
Lab Sample ID:	Q1746-05	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/09/25 08:20	04/10/25 1:18	PB167524

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	15.8	J	1	8.45	30.6	ug/l	FC068541.D
Aliphatic C12-C16	Aliphatic C12-C16	391		10	137	204	ug/l	FC068547.D
Aliphatic C16-C21	Aliphatic C16-C21	2090		10	85.1	306	ug/l	FC068547.D
Aliphatic C21-C28	Aliphatic C21-C28	3410		10	127	408	ug/l	FC068547.D
Aliphatic C28-C40	Aliphatic C28-C40	949		1	24.3	61.2	ug/l	FC068541.D
Aromatic C10-C12	Aromatic C10-C12	34.2		1	2.11	20.4	ug/l	FD049263.D
Aromatic C12-C16	Aromatic C12-C16	22.3	J	1	4.35	30.6	ug/l	FD049263.D
Aromatic C16-C21	Aromatic C16-C21	472		1	8.44	51.0	ug/l	FD049263.D
Aromatic C21-C36	Aromatic C21-C36	711		1	24.3	81.6	ug/l	FD049263.D
Total AliphaticEPH	Total AliphaticEPH	6850			382	1010	ug/l	
Total AromaticEPH	Total AromaticEPH	1240			39.2	184	ug/l	
Total EPH	Total EPH	8090			421	1190	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:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-GW01	SDG No.:	Q1746
Lab Sample ID:	Q1746-05	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	980 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
FC068541.D	1	04/09/25	04/10/25	PB167524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	15.8	J	8.45	30.6	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	410	E	13.8	20.4	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	1980	E	8.51	30.6	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	3360	E	12.8	40.8	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	949		24.3	61.2	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	57.2		40 - 140	114%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1746-05	Acq On:	10 Apr 2025 01:18
Client Sample ID:	B-158-GW01	Operator:	YP/AJ
Data file:	FC068541.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	3.348	6.648	814615	7.737	300	ug/ml
Aliphatic C12-C16	6.649	10.049	20593146	201.257	200	ug/ml
Aliphatic C16-C21	10.050	13.416	95906562	970.552	300	ug/ml
Aliphatic C21-C28	13.417	17.080	155267058	1650	400	ug/ml
Aliphatic C28-C40	17.081	22.083	41806447	465.122	600	ug/ml
Aliphatic EPH	3.348	22.083	314387828	3290		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.152	13.152	5317650	57.24		ug/ml
Aliphatic C9-C28	3.348	17.080	272581381	2830	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-GW01	SDG No.:	Q1746
Lab Sample ID:	Q1746-05	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	980 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
FD049263.D	1	04/09/25	04/09/25	PB167524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	34.2		2.11	20.4	ug/l
Aromatic C12-C16	Aromatic C12-C16	22.3	J	4.35	30.6	ug/l
Aromatic C16-C21	Aromatic C16-C21	472		8.44	51.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	711		24.3	81.6	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	42.7		40 - 140	85%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	35.8		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.9		40 - 140	72%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1746-05	Acq On:	09 Apr 2025 19:45
Client Sample ID:	B-158-GW01	Operator:	YP/AJ
Data file:	FD049263.D	Misc:	
Instrument:	FID_D	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	2626017	16.748	200	ug/ml
Aromatic C12-C16	6.186	8.813	1860250	10.928	300	ug/ml
Aromatic C16-C21	8.814	13.103	38864405	231.748	500	ug/ml
Aromatic C21-C36	13.104	18.518	48184832	348.811	800	ug/ml
Aromatic EPH	4.440	18.518	91535504	608.235		ug/ml
ortho-Terphenyl (SURR)	11.659	11.659	6317649	35.86		ug/ml
2-Bromonaphthalene (SURR)	7.751	7.751	6329874	42.73		ug/ml
2-Fluorobiphenyl (SURR)	8.616	8.616	3651797	35.8		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-GW01DL	SDG No.:	Q1746
Lab Sample ID:	Q1746-05DL	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	980 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
FC068547.D	10	04/09/25	04/10/25	PB167524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	84.5	U	84.5	306	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	391		137	204	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	2090		85.1	306	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	3410		127	408	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	849		242	612	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	5.29		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1746-05DL	Acq On:	10 Apr 2025 08:48
Client Sample ID:	B-158-GW01DL	Operator:	YP/AJ
Data file:	FC068547.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.644	11746	0.112	300	ug/ml
Aliphatic C12-C16	6.645	10.043	1963231	19.187	200	ug/ml
Aliphatic C16-C21	10.044	13.409	10133440	102.548	300	ug/ml
Aliphatic C21-C28	13.410	17.073	15719802	166.903	400	ug/ml
Aliphatic C28-C40	17.074	22.075	3742558	41.638	600	ug/ml
Aliphatic EPH	3.345	22.075	31570777	330.387		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.143	13.143	491634	5.29		ug/ml
Aliphatic C9-C28	3.345	17.073	27828219	288.75	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-GW01	SDG No.:	Q1746
Lab Sample ID:	Q1746-06	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/09/25 08:20	04/10/25 0:41	PB167524

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	12.0	J	1	8.45	30.6	ug/l	FC068540.D
Aliphatic C12-C16	Aliphatic C12-C16	29.2		1	13.8	20.4	ug/l	FC068540.D
Aliphatic C16-C21	Aliphatic C16-C21	9.75	J	1	8.51	30.6	ug/l	FC068540.D
Aliphatic C21-C28	Aliphatic C21-C28	12.8	U	1	12.8	40.8	ug/l	FC068540.D
Aliphatic C28-C40	Aliphatic C28-C40	50.5	J	1	24.3	61.2	ug/l	FC068540.D
Aromatic C10-C12	Aromatic C10-C12	20.9		1	2.11	20.4	ug/l	FD049262.D
Aromatic C12-C16	Aromatic C12-C16	12.7	J	1	4.35	30.6	ug/l	FD049262.D
Aromatic C16-C21	Aromatic C16-C21	62.7		1	8.44	51.0	ug/l	FD049262.D
Aromatic C21-C36	Aromatic C21-C36	61.1	J	1	24.3	81.6	ug/l	FD049262.D
Total AliphaticEPH	Total AliphaticEPH	101	J		67.9	184	ug/l	
Total AromaticEPH	Total AromaticEPH	157	J		39.2	184	ug/l	
Total EPH	Total EPH	259	J		107	367	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:	Portal Partners Tri-Venture	Date Collected:	04/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-GW01	SDG No.:	Q1746
Lab Sample ID:	Q1746-06	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	980 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
FC068540.D	1	04/09/25	04/10/25	PB167524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	12.0	J	8.45	30.6	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	29.2		13.8	20.4	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	9.75	J	8.51	30.6	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.8	U	12.8	40.8	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	50.5	J	24.3	61.2	ug/l
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



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1746-06	Acq On:	10 Apr 2025 00:41
Client Sample ID:	B-149-GW01	Operator:	YP/AJ
Data file:	FC068540.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	3.348	6.648	619744	5.887	300	ug/ml
Aliphatic C12-C16	6.649	10.049	1465124	14.319	200	ug/ml
Aliphatic C16-C21	10.050	13.416	472130	4.778	300	ug/ml
Aliphatic C21-C28	13.417	17.080	429817	4.564	400	ug/ml
Aliphatic C28-C40	17.081	22.083	2224207	24.746	600	ug/ml
Aliphatic EPH	3.348	22.083	5211022	54.292		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.148	13.148	3943002	42.45		ug/ml
Aliphatic C9-C28	3.348	17.080	2986815	29.548	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-GW01	SDG No.:	Q1746
Lab Sample ID:	Q1746-06	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	980 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
FD049262.D	1	04/09/25	04/09/25	PB167524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	20.9		2.11	20.4	ug/l
Aromatic C12-C16	Aromatic C12-C16	12.7	J	4.35	30.6	ug/l
Aromatic C16-C21	Aromatic C16-C21	62.7		8.44	51.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	61.1	J	24.3	81.6	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	44.5		40 - 140	89%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	38.3		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.4		40 - 140	81%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1746-06	Acq On:	09 Apr 2025 19:08
Client Sample ID:	B-149-GW01	Operator:	YP/AJ
Data file:	FD049262.D	Misc:	
Instrument:	FID_D	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	1604398	10.233	200	ug/ml
Aromatic C12-C16	6.186	8.813	1055167	6.199	300	ug/ml
Aromatic C16-C21	8.814	13.103	5148841	30.702	500	ug/ml
Aromatic C21-C36	13.104	18.518	4132458	29.915	800	ug/ml
Aromatic EPH	4.440	18.518	11940864	77.049		ug/ml
ortho-Terphenyl (SURR)	11.660	11.660	7121893	40.42		ug/ml
2-Bromonaphthalene (SURR)	7.751	7.751	6591465	44.5		ug/ml
2-Fluorobiphenyl (SURR)	8.617	8.617	3909482	38.33		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/07/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	EB-2025-4-7	SDG No.:	Q1746
Lab Sample ID:	Q1746-07	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
04/09/25 08:20	04/10/25 0:04	PB167524

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.54	U	1	8.54	30.9	ug/l	FC068539.D
Aliphatic C12-C16	Aliphatic C12-C16	13.9	U	1	13.9	20.6	ug/l	FC068539.D
Aliphatic C16-C21	Aliphatic C16-C21	8.60	U	1	8.60	30.9	ug/l	FC068539.D
Aliphatic C21-C28	Aliphatic C21-C28	12.9	U	1	12.9	41.2	ug/l	FC068539.D
Aliphatic C28-C40	Aliphatic C28-C40	24.5	U	1	24.5	61.9	ug/l	FC068539.D
Aromatic C10-C12	Aromatic C10-C12	2.13	U	1	2.13	20.6	ug/l	FD049261.D
Aromatic C12-C16	Aromatic C12-C16	4.39	U	1	4.39	30.9	ug/l	FD049261.D
Aromatic C16-C21	Aromatic C16-C21	29.5	J	1	8.53	51.5	ug/l	FD049261.D
Aromatic C21-C36	Aromatic C21-C36	24.5	U	1	24.5	82.5	ug/l	FD049261.D
Total AliphaticEPH	Total AliphaticEPH	68.4	U		68.4	186	ug/l	
Total AromaticEPH	Total AromaticEPH	39.5	U		39.5	186	ug/l	
Total EPH	Total EPH	108	U		108	371	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:	Portal Partners Tri-Venture	Date Collected:	04/07/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	EB-2025-4-7	SDG No.:	Q1746
Lab Sample ID:	Q1746-07	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	970 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
FC068539.D	1	04/09/25	04/10/25	PB167524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.54	U	8.54	30.9	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	13.9	U	13.9	20.6	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	8.60	U	8.60	30.9	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.9	U	12.9	41.2	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	24.5	U	24.5	61.9	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.2		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1746-07	Acq On:	10 Apr 2025 00:04
Client Sample ID:	EB-2025-4-7	Operator:	YP/AJ
Data file:	FC068539.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	3.348	6.648	91141	0.866	300	ug/ml
Aliphatic C12-C16	6.649	10.049	548453	5.36	200	ug/ml
Aliphatic C16-C21	10.050	13.416	0	0	300	ug/ml
Aliphatic C21-C28	13.417	17.080	0	0	400	ug/ml
Aliphatic C28-C40	17.081	22.083	107725	1.199	600	ug/ml
Aliphatic EPH	3.348	22.083	747319	7.424		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.149	13.149	3916930	42.17		ug/ml
Aliphatic C9-C28	3.348	17.080	639594	6.226	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/07/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	EB-2025-4-7	SDG No.:	Q1746
Lab Sample ID:	Q1746-07	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	970 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
FD049261.D	1	04/09/25	04/09/25	PB167524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	2.13	U	2.13	20.6	ug/l
Aromatic C12-C16	Aromatic C12-C16	4.39	U	4.39	30.9	ug/l
Aromatic C16-C21	Aromatic C16-C21	29.5	J	8.53	51.5	ug/l
Aromatic C21-C36	Aromatic C21-C36	24.5	U	24.5	82.5	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	38.4		40 - 140	77%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	34.5		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.5		40 - 140	71%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1746-07	Acq On:	09 Apr 2025 18:31
Client Sample ID:	EB-2025-4-7	Operator:	YP/AJ
Data file:	FD049261.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	0	0	200	ug/ml
Aromatic C12-C16	6.186	8.813	0	0	300	ug/ml
Aromatic C16-C21	8.814	13.103	2395605	14.285	500	ug/ml
Aromatic C21-C36	13.104	18.518	430932	3.12	800	ug/ml
Aromatic EPH	4.440	18.518	2826537	17.404		ug/ml
ortho-Terphenyl (SURR)	11.659	11.659	6256507	35.51		ug/ml
2-Bromonaphthalene (SURR)	7.750	7.750	5686931	38.39		ug/ml
2-Fluorobiphenyl (SURR)	8.616	8.616	3521137	34.52		ug/ml



QC SUMMARY



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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: Q1746 SAS No.: Q1746 SDG No.: Q1746
Run Number: FC041025AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB167524BL	95			0
PB167524BS	78			0
PB167524BSD	77			0
B-158-GW01	114			0
B-149-GW01	85			0
EB-2025-4-7	84			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: PORT06
Lab Code: CHEM CASE No.: Q1746 SAS No.: Q1746 SDG No.: Q1746
Run Number: FC041125AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB167513BL	72			0
PB167513BS	75			0
PB167513BSD	73			0
B-149-SB01	88			0
B-149-SB01MS	80			0
B-149-SB01MSD	81			0
B-149-SB02	117			0
B-158-GW01DL	106			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: PORT06
Lab Code: CHEM CASE No.: Q1746 SAS No.: Q1746 SDG No.: Q1746
Run Number: FD040925AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB167524BL	84	72	76	0
PB167524BS	85	76	74	0
PB167524BSD	85	78	77	0
B-158-GW01	85	72	72	0
B-149-GW01	89	77	81	0
EB-2025-4-7	77	69	71	0

QC LIMITS

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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: Q1746 SAS No.: Q1746 SDG No.: Q1746
Run Number: FD041025AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB167513BL	97	92	83	0
PB167513BS	96	97	83	0
PB167513BSD	90	92	77	0
B-149-SB01	76	65	64	0
B-149-SB01MS	75	63	63	0
B-149-SB01MSD	73	61	61	0
B-149-SB02	79	64	85	0

QC LIMITS

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

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

SOIL EPH SURROGATE RECOVERY

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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1746 **SAS No :** Q1746 **SDG No:** Q1746
Sample No : Q1746-01MS **Datafile:** FC068567.D
Client ID : B-149-SB01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	11.2	0.39	5.46	45		(40-140)
Aliphatic C12-C16	7.5	1.86	7.54	76		(40-140)
Aliphatic C16-C21	11.2	4.07	10.3	56		(40-140)
Aliphatic C21-C28	14.9	0.79	13.2	83		(40-140)
Aliphatic C28-C40	22.4	2.09	20.9	84		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1746 **SAS No :** Q1746 **SDG No:** Q1746
Sample No : Q1746-01MSD **Datafile:** FC068568.D
Client ID : B-149-SB01MSD

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	11.2	0.39	5.41	45		0.89 (40-140) 25
Aliphatic C12-C16	7.5	1.86	7.48	75		0.92 (40-140) 25
Aliphatic C16-C21	11.2	4.07	10.0	53		4.78 (40-140) 25
Aliphatic C21-C28	14.9	0.79	12.9	81		2.31 (40-140) 25
Aliphatic C28-C40	22.4	2.09	20.9	84		0.12 (40-140) 25

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1746 **SAS No :** Q1746 **SDG No:** Q1746
Sample No : Q1746-01MS **Datafile:** FD049276.D
Client ID : B-149-SB01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	7.5	0.48	3.09	35	*	(40-140)
Aromatic C12-C16	11.2	0.47	6.86	57		(40-140)
Aromatic C16-C21	18.6	3.58	18.3	79		(40-140)
Aromatic C21-C36	29.8	3.46	30.2	90		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1746 **SAS No :** Q1746 **SDG No:** Q1746
Sample No : Q1746-01MSD **Datafile:** FD049277.D
Client ID : B-149-SB01MSD

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	7.5	0.48	3.09	35	*	0.29 (40-140) 25
Aromatic C12-C16	11.2	0.47	6.69	56		2.48 (40-140) 25
Aromatic C16-C21	18.6	3.58	18.0	77		1.92 (40-140) 25
Aromatic C21-C36	29.8	3.46	30.0	89		0.67 (40-140) 25

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1746 **SAS No :** Q1746 **SDG No:** Q1746
Sample No : PB167524BS **Datafile:** FC068537.D
Client ID : PB167524BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aliphatic C9-C12	300	165	55		(40-140)
Aliphatic C12-C16	200	147	74		(40-140)
Aliphatic C16-C21	300	256	85		(40-140)
Aliphatic C21-C28	400	344	86		(40-140)
Aliphatic C28-C40	600	518	86		(40-140)

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1746 **SAS No :** Q1746 **SDG No:** Q1746
Sample No : PB167524BSD **Datafile:** FC068538.D
Client ID : PB167524BSD

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	300	166	55		0.6 (40-140)	50
Aliphatic C12-C16	200	144	72		2.1 (40-140)	50
Aliphatic C16-C21	300	248	83		3.1 (40-140)	50
Aliphatic C21-C28	400	335	84		2.7 (40-140)	50
Aliphatic C28-C40	600	514	86		0.737 (40-140)	50

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1746 **SAS No :** Q1746 **SDG No:** Q1746
Sample No : PB167513BS **Datafile:** FC068561.D
Client ID : PB167513BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	5.72	57		(40-140)
Aliphatic C12-C16	6.7	5.43	82		(40-140)
Aliphatic C16-C21	10	9.70	97		(40-140)
Aliphatic C21-C28	13.3	13.1	98		(40-140)
Aliphatic C28-C40	20.0	19.1	96		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1746 **SAS No :** Q1746 **SDG No:** Q1746
Sample No : PB167513BSD **Datafile:** FC068562.D
Client ID : PB167513BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10.0	5.89	59		2.8 (40-140)	50
Aliphatic C12-C16	6.7	5.49	82		1.1 (40-140)	50
Aliphatic C16-C21	10.0	9.61	96		1 (40-140)	50
Aliphatic C21-C28	13.3	12.9	97		1.6 (40-140)	50
Aliphatic C28-C40	20.0	19.4	97		1.5 (40-140)	50

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1746 **SAS No :** Q1746 **SDG No:** Q1746
Sample No : PB167524BS **Datafile:** FD049259.D
Client ID : PB167524BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aromatic C10-C12	200	108	54		(40-140)
Aromatic C12-C16	300	183	61		(40-140)
Aromatic C16-C21	500	388	78		(40-140)
Aromatic C21-C36	800	709	89		(40-140)

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1746 **SAS No :** Q1746 **SDG No:** Q1746
Sample No : PB167524BSD **Datafile:** FD049260.D
Client ID : PB167524BSD

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	200	105	52		2.8 (40-140)	50
Aromatic C12-C16	300	184	61		0.54 (40-140)	50
Aromatic C16-C21	500	401	80		3.3 (40-140)	50
Aromatic C21-C36	800	717	90		1.2 (40-140)	50

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1746 **SAS No :** Q1746 **SDG No:** Q1746
Sample No : PB167513BS **Datafile:** FD049270.D
Client ID : PB167513BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	4.16	62		(40-140)
Aromatic C12-C16	10	7.05	71		(40-140)
Aromatic C16-C21	16.7	15.0	90		(40-140)
Aromatic C21-C36	26.6	26.7	100		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1746 **SAS No :** Q1746 **SDG No:** Q1746
Sample No : PB167513BSD **Datafile:** FD049271.D
Client ID : PB167513BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	3.95	59		5.3 (40-140)	50
Aromatic C12-C16	10.0	6.67	67		5.7 (40-140)	50
Aromatic C16-C21	16.7	14.2	85		5.6 (40-140)	50
Aromatic C21-C36	26.7	25.8	97		3.3 (40-140)	50

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167513BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1746

SAS No.: Q1746 SDG NO.: Q1746

Instrument ID: FID_C

Lab Sample ID: PB167513BL

Matrix: (soil/water) Solid

Date Extracted: 4/8/2025 10:10:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB167513BS	PB167513BS
PB167513BSD	PB167513BSD
B-149-SB01	Q1746-01
B-149-SB01MS	Q1746-01MS
B-149-SB01MSD	Q1746-01MSD
B-149-SB02	Q1746-03

COMMENTS: _____

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167524BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1746

SAS No.: Q1746 SDG NO.: Q1746

Instrument ID: FID_C

Lab Sample ID: PB167524BL

Matrix: (soil/water) Water

Date Extracted: 4/9/2025 8:20:00 AM

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB167524BS	PB167524BS
PB167524BSD	PB167524BSD
B-158-GW01	Q1746-05
B-149-GW01	Q1746-06
EB-2025-4-7	Q1746-07

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BL	SDG No.:	Q1744
Lab Sample ID:	PB167513BL	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
04/08/25 10:10	04/10/25 21:36	PB167513

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	FC068560.D
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	1	0.11	0.67	mg/kg	FC068560.D
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	1	0.13	1.00	mg/kg	FC068560.D
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	1	0.53	1.33	mg/kg	FC068560.D
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FC068560.D
Aromatic C10-C12	Aromatic C10-C12	0.12	U	1	0.12	0.67	mg/kg	FD049269.D
Aromatic C12-C16	Aromatic C12-C16	0.23	U	1	0.23	1.00	mg/kg	FD049269.D
Aromatic C16-C21	Aromatic C16-C21	0.40	U	1	0.40	1.67	mg/kg	FD049269.D
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1	1.19	2.66	mg/kg	FD049269.D
TotalAliphaticEPH	Total AliphaticEPH	2.09	U		2.09	5.99	mg/kg	
TotalAromaticEPH	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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BL	SDG No.:	Q1744
Lab Sample ID:	PB167513BL	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
FC068560.D	1	04/08/25	04/10/25	PB167513

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)	36.3		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167513BL	Acq On:	10 Apr 2025 21:36
Client Sample ID:	PB167513BL	Operator:	YP/AJ
Data file:	FC068560.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	3.345	6.644	0	0	300	ug/ml
Aliphatic C12-C16	6.645	10.043	0	0	200	ug/ml
Aliphatic C16-C21	10.044	13.409	0	0	300	ug/ml
Aliphatic C21-C28	13.410	17.073	0	0	400	ug/ml
Aliphatic C28-C40	17.074	22.075	0	0	600	ug/ml
Aliphatic EPH	3.345	22.075	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.143	13.143	3367296	36.25		ug/ml
Aliphatic C9-C28	3.345	17.073	0	0	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BL	SDG No.:	Q1744
Lab Sample ID:	PB167513BL	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
FD049269.D	1	04/08/25	04/10/25	PB167513

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)	48.6		40 - 140	97%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	45.8		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.5		40 - 140	83%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167513BL	Acq On:	10 Apr 2025 14:48
Client Sample ID:	PB167513BL	Operator:	YP/AJ
Data file:	FD049269.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	0	0	200	ug/ml
Aromatic C12-C16	6.186	8.813	0	0	300	ug/ml
Aromatic C16-C21	8.814	13.102	0	0	500	ug/ml
Aromatic C21-C36	13.103	18.519	0	0	800	ug/ml
Aromatic EPH	4.440	18.519	0	0		ug/ml
2-Bromonaphthalene (SURRE)	7.750	7.750	7195070	48.57		ug/ml
2-Fluorobiphenyl (SURRE)	8.616	8.616	4667252	45.76		ug/ml
ortho-Terphenyl (SURRE)	11.658	11.658	7315586	41.52		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167524BL	SDG No.:	Q1746
Lab Sample ID:	PB167524BL	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
04/09/25 08:20	04/09/25 22:13	PB167524

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	FC068536.D
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	1	13.5	20.0	ug/l	FC068536.D
Aliphatic C16-C21	Aliphatic C16-C21	8.34	U	1	8.34	30.0	ug/l	FC068536.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068536.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC068536.D
Aromatic C10-C12	Aromatic C10-C12	2.07	U	1	2.07	20.0	ug/l	FD049258.D
Aromatic C12-C16	Aromatic C12-C16	4.26	U	1	4.26	30.0	ug/l	FD049258.D
Aromatic C16-C21	Aromatic C16-C21	8.27	U	1	8.27	50.0	ug/l	FD049258.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FD049258.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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167524BL	SDG No.:	Q1746
Lab Sample ID:	PB167524BL	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
FC068536.D	1	04/09/25	04/09/25	PB167524

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)	47.5		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167524BL	Acq On:	09 Apr 2025 22:13
Client Sample ID:	PB167524BL	Operator:	YP/AJ
Data file:	FC068536.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	3.348	6.648	0	0	300	ug/ml
Aliphatic C12-C16	6.649	10.049	0	0	200	ug/ml
Aliphatic C16-C21	10.050	13.416	0	0	300	ug/ml
Aliphatic C21-C28	13.417	17.080	0	0	400	ug/ml
Aliphatic C28-C40	17.081	22.083	0	0	600	ug/ml
Aliphatic EPH	3.348	22.083	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.146	13.146	4416517	47.54		ug/ml
Aliphatic C9-C28	3.348	17.080	0	0	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167524BL	SDG No.:	Q1746
Lab Sample ID:	PB167524BL	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
FD049258.D	1	04/09/25	04/09/25	PB167524

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)	42.2		40 - 140	84%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	35.8		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.8		40 - 140	76%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167524BL	Acq On:	09 Apr 2025 16:38
Client Sample ID:	PB167524BL	Operator:	YP/AJ
Data file:	FD049258.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	0	0	200	ug/ml
Aromatic C12-C16	6.186	8.813	0	0	300	ug/ml
Aromatic C16-C21	8.814	13.103	0	0	500	ug/ml
Aromatic C21-C36	13.104	18.518	0	0	800	ug/ml
Aromatic EPH	4.440	18.518	0	0		ug/ml
ortho-Terphenyl (SURR)	11.660	11.660	6658414	37.79		ug/ml
2-Bromonaphthalene (SURR)	7.751	7.751	6250580	42.2		ug/ml
2-Fluorobiphenyl (SURR)	8.616	8.616	3649949	35.78		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BS	SDG No.:	Q1746
Lab Sample ID:	PB167513BS	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
04/08/25 10:10	04/10/25 22:14	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.72		1	0.14	1.00	mg/kg	FC068561.D
Aliphatic C12-C16	Aliphatic C12-C16	5.43		1	0.11	0.67	mg/kg	FC068561.D
Aliphatic C16-C21	Aliphatic C16-C21	9.70		1	0.13	1.00	mg/kg	FC068561.D
Aliphatic C21-C28	Aliphatic C21-C28	13.1		1	0.53	1.33	mg/kg	FC068561.D
Aliphatic C28-C40	Aliphatic C28-C40	19.1		1	1.18	2.00	mg/kg	FC068561.D
Aromatic C10-C12	Aromatic C10-C12	4.16		1	0.12	0.67	mg/kg	FD049270.D
Aromatic C12-C16	Aromatic C12-C16	7.05		1	0.23	1.00	mg/kg	FD049270.D
Aromatic C16-C21	Aromatic C16-C21	15.0		1	0.40	1.67	mg/kg	FD049270.D
Aromatic C21-C36	Aromatic C21-C36	26.7		1	1.19	2.66	mg/kg	FD049270.D
Total AliphaticEPH	Total AliphaticEPH	53.0			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	52.9			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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BS	SDG No.:	Q1746
Lab Sample ID:	PB167513BS	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
FC068561.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.72		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.43		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.70		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	13.1		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.1		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.4		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167513BS	Acq On:	10 Apr 2025 22:14
Client Sample ID:	PB167513BS	Operator:	YP/AJ
Data file:	FC068561.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	3.345	6.644	9042394	85.887	300	ug/ml
Aliphatic C12-C16	6.645	10.043	8338947	81.497	200	ug/ml
Aliphatic C16-C21	10.044	13.409	14390551	145.629	300	ug/ml
Aliphatic C21-C28	13.410	17.073	18583668	197.31	400	ug/ml
Aliphatic C28-C40	17.074	22.075	25756434	286.556	600	ug/ml
Aliphatic EPH	3.345	22.075	76111994	796.878		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.144	13.144	3476251	37.42		ug/ml
Aliphatic C9-C28	3.345	17.073	50355560	510.323	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BS	SDG No.:	Q1746
Lab Sample ID:	PB167513BS	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
FD049270.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.16		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.05		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	26.7		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	48.0		40 - 140	96%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	48.7		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.3		40 - 140	83%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167513BS	Acq On:	10 Apr 2025 15:25
Client Sample ID:	PB167513BS	Operator:	YP/AJ
Data file:	FD049270.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	9786368	62.416	200	ug/ml
Aromatic C12-C16	6.186	8.813	18016061	105.837	300	ug/ml
Aromatic C16-C21	8.814	13.102	37740425	225.045	500	ug/ml
Aromatic C21-C36	13.103	18.519	55456489	401.45	800	ug/ml
Aromatic EPH	4.440	18.519	120999343	794.748		ug/ml
2-Bromonaphthalene (SURR)	7.751	7.751	7104793	47.96		ug/ml
2-Fluorobiphenyl (SURR)	8.617	8.617	4968091	48.71		ug/ml
ortho-Terphenyl (SURR)	11.658	11.658	7270035	41.26		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167524BS	SDG No.:	Q1746
Lab Sample ID:	PB167524BS	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
04/09/25 08:20	04/09/25 22:50	PB167524

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	165		1	8.28	30.0	ug/l	FC068537.D
Aliphatic C12-C16	Aliphatic C12-C16	147		1	13.5	20.0	ug/l	FC068537.D
Aliphatic C16-C21	Aliphatic C16-C21	256		1	8.34	30.0	ug/l	FC068537.D
Aliphatic C21-C28	Aliphatic C21-C28	344		1	12.5	40.0	ug/l	FC068537.D
Aliphatic C28-C40	Aliphatic C28-C40	518		1	23.8	60.0	ug/l	FC068537.D
Aromatic C10-C12	Aromatic C10-C12	108		1	2.07	20.0	ug/l	FD049259.D
Aromatic C12-C16	Aromatic C12-C16	183		1	4.26	30.0	ug/l	FD049259.D
Aromatic C16-C21	Aromatic C16-C21	388		1	8.27	50.0	ug/l	FD049259.D
Aromatic C21-C36	Aromatic C21-C36	709		1	23.8	80.0	ug/l	FD049259.D
Total AliphaticEPH	Total AliphaticEPH	1430			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	1390			38.4	180	ug/l	
Total EPH	Total EPH	2820			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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167524BS	SDG No.:	Q1746
Lab Sample ID:	PB167524BS	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
FC068537.D	1	04/09/25	04/09/25	PB167524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	165		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	147		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	256		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	344		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	518		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.2		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167524BS	Acq On:	09 Apr 2025 22:50
Client Sample ID:	PB167524BS	Operator:	YP/AJ
Data file:	FC068537.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	3.348	6.648	8733128	82.95	300	ug/ml
Aliphatic C12-C16	6.649	10.049	7557454	73.859	200	ug/ml
Aliphatic C16-C21	10.050	13.416	12663464	128.151	300	ug/ml
Aliphatic C21-C28	13.417	17.080	16226404	172.282	400	ug/ml
Aliphatic C28-C40	17.081	22.083	23314026	259.382	600	ug/ml
Aliphatic EPH	3.348	22.083	68494476	716.624		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.148	13.148	3639687	39.18		ug/ml
Aliphatic C9-C28	3.348	17.080	45180450	457.242	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167524BS	SDG No.:	Q1746
Lab Sample ID:	PB167524BS	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
FD049259.D	1	04/09/25	04/09/25	PB167524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	108		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	183		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	388		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	709		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	42.7		40 - 140	85%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	38.2		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.2		40 - 140	74%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167524BS	Acq On:	09 Apr 2025 17:16
Client Sample ID:	PB167524BS	Operator:	YP/AJ
Data file:	FD049259.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	8518709	54.331	200	ug/ml
Aromatic C12-C16	6.186	8.813	15638702	91.871	300	ug/ml
Aromatic C16-C21	8.814	13.103	32545851	194.07	500	ug/ml
Aromatic C21-C36	13.104	18.518	49036295	354.974	800	ug/ml
Aromatic EPH	4.440	18.518	105739557	695.246		ug/ml
ortho-Terphenyl (SURR)	11.659	11.659	6555588	37.21		ug/ml
2-Bromonaphthalene (SURR)	7.751	7.751	6325577	42.7		ug/ml
2-Fluorobiphenyl (SURR)	8.617	8.617	3899282	38.23		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BSD	SDG No.:	Q1746
Lab Sample ID:	PB167513BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/08/25 10:10	04/10/25 22:51	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.89		1	0.14	1.00	mg/kg FC068562.D
Aliphatic C12-C16	Aliphatic C12-C16	5.49		1	0.11	0.67	mg/kg FC068562.D
Aliphatic C16-C21	Aliphatic C16-C21	9.61		1	0.13	1.00	mg/kg FC068562.D
Aliphatic C21-C28	Aliphatic C21-C28	12.9		1	0.53	1.33	mg/kg FC068562.D
Aliphatic C28-C40	Aliphatic C28-C40	19.4		1	1.18	2.00	mg/kg FC068562.D
Aromatic C10-C12	Aromatic C10-C12	3.95		1	0.12	0.67	mg/kg FD049271.D
Aromatic C12-C16	Aromatic C12-C16	6.67		1	0.23	1.00	mg/kg FD049271.D
Aromatic C16-C21	Aromatic C16-C21	14.2		1	0.40	1.67	mg/kg FD049271.D
Aromatic C21-C36	Aromatic C21-C36	25.8		1	1.19	2.67	mg/kg FD049271.D
Total AliphaticEPH	Total AliphaticEPH	53.3			2.09	6.00	mg/kg
Total AromaticEPH	Total AromaticEPH	50.6			1.94	6.01	mg/kg
Total EPH	Total EPH	104			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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BSD	SDG No.:	Q1746
Lab Sample ID:	PB167513BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068562.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.89		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.49		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.61		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.9		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.4		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.4		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167513BSD	Acq On:	10 Apr 2025 22:51
Client Sample ID:	PB167513BSD	Operator:	YP/AJ
Data file:	FC068562.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	3.345	6.644	9299361	88.328	300	ug/ml
Aliphatic C12-C16	6.645	10.043	8429399	82.381	200	ug/ml
Aliphatic C16-C21	10.044	13.409	14243382	144.14	300	ug/ml
Aliphatic C21-C28	13.410	17.073	18255682	193.827	400	ug/ml
Aliphatic C28-C40	17.074	22.075	26143226	290.859	600	ug/ml
Aliphatic EPH	3.345	22.075	76371050	799.535		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.144	13.144	3378740	36.37		ug/ml
Aliphatic C9-C28	3.345	17.073	50227824	508.676	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167513BSD	SDG No.:	Q1746
Lab Sample ID:	PB167513BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049271.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.95		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	6.67		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.2		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	25.8		1.19	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	45.1		40 - 140	90%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	46.1		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.6		40 - 140	77%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167513BSD	Acq On:	10 Apr 2025 16:01
Client Sample ID:	PB167513BSD	Operator:	YP/AJ
Data file:	FD049271.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	9301714	59.325	200	ug/ml
Aromatic C12-C16	6.186	8.813	17048886	100.155	300	ug/ml
Aromatic C16-C21	8.814	13.102	35679919	212.759	500	ug/ml
Aromatic C21-C36	13.103	18.519	53517642	387.415	800	ug/ml
Aromatic EPH	4.440	18.519	115548161	759.653		ug/ml
2-Bromonaphthalene (SURRE)	7.750	7.750	6686285	45.14		ug/ml
2-Fluorobiphenyl (SURRE)	8.617	8.617	4699720	46.07		ug/ml
ortho-Terphenyl (SURRE)	11.657	11.657	6796630	38.58		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167524BSD	SDG No.:	Q1746
Lab Sample ID:	PB167524BSD	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
04/09/25 08:20	04/09/25 23:27	PB167524

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	166		1	8.28	30.0	ug/l	FC068538.D
Aliphatic C12-C16	Aliphatic C12-C16	144		1	13.5	20.0	ug/l	FC068538.D
Aliphatic C16-C21	Aliphatic C16-C21	248		1	8.34	30.0	ug/l	FC068538.D
Aliphatic C21-C28	Aliphatic C21-C28	335		1	12.5	40.0	ug/l	FC068538.D
Aliphatic C28-C40	Aliphatic C28-C40	514		1	23.8	60.0	ug/l	FC068538.D
Aromatic C10-C12	Aromatic C10-C12	105		1	2.07	20.0	ug/l	FD049260.D
Aromatic C12-C16	Aromatic C12-C16	184		1	4.26	30.0	ug/l	FD049260.D
Aromatic C16-C21	Aromatic C16-C21	401		1	8.27	50.0	ug/l	FD049260.D
Aromatic C21-C36	Aromatic C21-C36	717		1	23.8	80.0	ug/l	FD049260.D
Total AliphaticEPH	Total AliphaticEPH	1410			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	1410			38.4	180	ug/l	
Total EPH	Total EPH	2810			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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167524BSD	SDG No.:	Q1746
Lab Sample ID:	PB167524BSD	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
FC068538.D	1	04/09/25	04/09/25	PB167524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	166		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	144		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	248		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	335		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	514		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.3		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167524BSD	Acq On:	09 Apr 2025 23:27
Client Sample ID:	PB167524BSD	Operator:	YP/AJ
Data file:	FC068538.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	3.348	6.648	8766358	83.265	300	ug/ml
Aliphatic C12-C16	6.649	10.049	7412763	72.445	200	ug/ml
Aliphatic C16-C21	10.050	13.416	12259676	124.065	300	ug/ml
Aliphatic C21-C28	13.417	17.080	15818156	167.947	400	ug/ml
Aliphatic C28-C40	17.081	22.083	23104880	257.056	600	ug/ml
Aliphatic EPH	3.348	22.083	67361833	704.778		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.145	13.145	3554387	38.26		ug/ml
Aliphatic C9-C28	3.348	17.080	44256953	447.722	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167524BSD	SDG No.:	Q1746
Lab Sample ID:	PB167524BSD	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
FD049260.D	1	04/09/25	04/09/25	PB167524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	105		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	184		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	401		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	717		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	42.4		40 - 140	85%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	38.9		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.6		40 - 140	77%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167524BSD	Acq On:	09 Apr 2025 17:54
Client Sample ID:	PB167524BSD	Operator:	YP/AJ
Data file:	FD049260.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	8238321	52.543	200	ug/ml
Aromatic C12-C16	6.186	8.813	15715743	92.323	300	ug/ml
Aromatic C16-C21	8.814	13.103	33634415	200.561	500	ug/ml
Aromatic C21-C36	13.104	18.518	49552047	358.708	800	ug/ml
Aromatic EPH	4.440	18.518	107140526	704.135		ug/ml
ortho-Terphenyl (SURR)	11.659	11.659	6801908	38.61		ug/ml
2-Bromonaphthalene (SURR)	7.750	7.750	6278614	42.39		ug/ml
2-Fluorobiphenyl (SURR)	8.617	8.617	3962978	38.85		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-149-SB01MS	SDG No.:	Q1746
Lab Sample ID:	Q1746-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
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
04/08/25 10:10	04/11/25 1:55	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.46		1	0.16	1.12	mg/kg FC068567.D
Aliphatic C12-C16	Aliphatic C12-C16	7.54		1	0.12	0.75	mg/kg FC068567.D
Aliphatic C16-C21	Aliphatic C16-C21	10.3		1	0.14	1.12	mg/kg FC068567.D
Aliphatic C21-C28	Aliphatic C21-C28	13.2		1	0.59	1.49	mg/kg FC068567.D
Aliphatic C28-C40	Aliphatic C28-C40	20.9		1	1.32	2.24	mg/kg FC068567.D
Aromatic C10-C12	Aromatic C10-C12	3.09		1	0.13	0.75	mg/kg FD049276.D
Aromatic C12-C16	Aromatic C12-C16	6.86		1	0.26	1.12	mg/kg FD049276.D
Aromatic C16-C21	Aromatic C16-C21	18.3		1	0.45	1.86	mg/kg FD049276.D
Aromatic C21-C36	Aromatic C21-C36	30.2		1	1.33	2.98	mg/kg FD049276.D
Total AliphaticEPH	Total AliphaticEPH	57.4			2.34	6.72	mg/kg
Total AromaticEPH	Total AromaticEPH	58.5			2.17	6.71	mg/kg
Total EPH	Total EPH	116			4.51	13.4	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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-149-SB01MS	SDG No.:	Q1746
Lab Sample ID:	Q1746-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
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
FC068567.D	1	04/08/25	04/11/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
	Aliphatic C9-C12	5.46		0.16	1.12	mg/kg
	Aliphatic C12-C16	7.54		0.12	0.75	mg/kg
	Aliphatic C16-C21	10.3		0.14	1.12	mg/kg
	Aliphatic C21-C28	13.2		0.59	1.49	mg/kg
	Aliphatic C28-C40	20.9		1.32	2.24	mg/kg
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



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1746-01MS	Acq On:	11 Apr 2025 01:55
Client Sample ID:	B-149-SB01MS	Operator:	YP/AJ
Data file:	FC068567.D	Misc:	
Instrument:	FID_C	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.644	7702838	73.164	300	ug/ml
Aliphatic C12-C16	6.645	10.043	10348107	101.132	200	ug/ml
Aliphatic C16-C21	10.044	13.409	13666430	138.301	300	ug/ml
Aliphatic C21-C28	13.410	17.073	16611483	176.37	400	ug/ml
Aliphatic C28-C40	17.074	22.075	25202936	280.398	600	ug/ml
Aliphatic EPH	3.345	22.075	73531794	769.365		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.145	13.145	3712633	39.97		ug/ml
Aliphatic C9-C28	3.345	17.073	48328858	488.967	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-149-SB01MS	SDG No.:	Q1746
Lab Sample ID:	Q1746-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
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
FD049276.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.09		0.13	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	6.86		0.26	1.12	mg/kg
Aromatic C16-C21	Aromatic C16-C21	18.3		0.45	1.86	mg/kg
Aromatic C21-C36	Aromatic C21-C36	30.2		1.33	2.98	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	37.3		40 - 140	75%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	31.3		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.3		40 - 140	63%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1746-01MS	Acq On:	10 Apr 2025 19:07
Client Sample ID:	B-149-SB01MS	Operator:	YP/AJ
Data file:	FD049276.D	Misc:	
Instrument:	FID_D	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	6502884	41.475	200	ug/ml
Aromatic C12-C16	6.186	8.813	15663652	92.017	300	ug/ml
Aromatic C16-C21	8.814	13.102	41109336	245.134	500	ug/ml
Aromatic C21-C36	13.103	18.519	55857007	404.349	800	ug/ml
Aromatic EPH	4.440	18.519	119132879	782.975		ug/ml
2-Bromonaphthalene (SURRE)	7.750	7.750	5519783	37.26		ug/ml
2-Fluorobiphenyl (SURRE)	8.615	8.615	3189374	31.27		ug/ml
ortho-Terphenyl (SURRE)	11.658	11.658	5506873	31.26		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-149-SB01MSD	SDG No.:	Q1746
Lab Sample ID:	Q1746-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
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
04/08/25 10:10	04/11/25 2:32	PB167513

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.41		1	0.16	1.12	mg/kg FC068568.D
Aliphatic C12-C16	Aliphatic C12-C16	7.48		1	0.12	0.75	mg/kg FC068568.D
Aliphatic C16-C21	Aliphatic C16-C21	10.0		1	0.14	1.12	mg/kg FC068568.D
Aliphatic C21-C28	Aliphatic C21-C28	12.9		1	0.59	1.49	mg/kg FC068568.D
Aliphatic C28-C40	Aliphatic C28-C40	20.9		1	1.32	2.24	mg/kg FC068568.D
Aromatic C10-C12	Aromatic C10-C12	3.09		1	0.13	0.75	mg/kg FD049277.D
Aromatic C12-C16	Aromatic C12-C16	6.69		1	0.26	1.12	mg/kg FD049277.D
Aromatic C16-C21	Aromatic C16-C21	18.0		1	0.45	1.86	mg/kg FD049277.D
Aromatic C21-C36	Aromatic C21-C36	30.0		1	1.33	2.98	mg/kg FD049277.D
Total AliphaticEPH	Total AliphaticEPH	56.7			2.34	6.71	mg/kg
Total AromaticEPH	Total AromaticEPH	57.8			2.17	6.71	mg/kg
Total EPH	Total EPH	114			4.50	13.4	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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-149-SB01MSD	SDG No.:	Q1746
Lab Sample ID:	Q1746-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
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
FC068568.D	1	04/08/25	04/11/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.41		0.16	1.12	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.48		0.12	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	10.0		0.14	1.12	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.9		0.59	1.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.9		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.4		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1746-01MSD	Acq On:	11 Apr 2025 02:32
Client Sample ID:	B-149-SB01MSD	Operator:	YP/AJ
Data file:	FC068568.D	Misc:	
Instrument:	FID_C	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.644	7650872	72.67	300	ug/ml
Aliphatic C12-C16	6.645	10.043	10268534	100.355	200	ug/ml
Aliphatic C16-C21	10.044	13.409	13273967	134.329	300	ug/ml
Aliphatic C21-C28	13.410	17.073	16271859	172.764	400	ug/ml
Aliphatic C28-C40	17.074	22.075	25154299	279.857	600	ug/ml
Aliphatic EPH	3.345	22.075	72619531	759.975		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.148	13.148	3752451	40.4		ug/ml
Aliphatic C9-C28	3.345	17.073	47465232	480.118	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-149-SB01MSD	SDG No.:	Q1746
Lab Sample ID:	Q1746-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
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
FD049277.D	1	04/08/25	04/10/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.09		0.13	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	6.69		0.26	1.12	mg/kg
Aromatic C16-C21	Aromatic C16-C21	18.0		0.45	1.86	mg/kg
Aromatic C21-C36	Aromatic C21-C36	30.0		1.33	2.98	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	36.5		40 - 140	73%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	30.6		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.6		40 - 140	61%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1746-01MSD	Acq On:	10 Apr 2025 19:45
Client Sample ID:	B-149-SB01MSD	Operator:	YP/AJ
Data file:	FD049277.D	Misc:	
Instrument:	FID_D	ALS Vial:	69
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.440	6.185	6505753	41.493	200	ug/ml
Aromatic C12-C16	6.186	8.813	15286302	89.801	300	ug/ml
Aromatic C16-C21	8.814	13.102	40540836	241.744	500	ug/ml
Aromatic C21-C36	13.103	18.519	55547232	402.107	800	ug/ml
Aromatic EPH	4.440	18.519	117880123	775.144		ug/ml
2-Bromonaphthalene (SURRE)	7.749	7.749	5402290	36.47		ug/ml
2-Fluorobiphenyl (SURRE)	8.615	8.615	3125160	30.64		ug/ml
ortho-Terphenyl (SURRE)	11.657	11.657	5397335	30.63		ug/ml



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC040925AL

AreaCount

Parameter Range	FC068515.D	FC068516.D	FC068517.D	FC068518.D	FC068519.D	
Aliphatic C9-C12	28917690.000	15222657.000	6286032.000	3422392.000	1645296.000	
Aliphatic C12-C16	18431489.000	9897338.000	4088590.000	2253140.000	1056103.000	
Aliphatic C16-C21	26693561.000	14380121.000	5937795.000	3290227.000	1508988.000	
Aliphatic C21-C28	34681529.000	18246305.000	7529133.000	4137443.000	1908822.000	
Aliphatic C28-C40	51686216.000	25852842.000	10689091.000	5728785.000	2776165.000	
Aliphatic EPH	160410485.000	83599263.000	34530641.000	18831987.000	8895374.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	105282.0026666	6.555				
Aliphatic C12-C16	102322.575	7.446				
Aliphatic C16-C21	98816.5386664	7.616				
Aliphatic C21-C28	94185.337	6.542				
Aliphatic C28-C40	89882.8349998	4.545				
Aliphatic EPH	96276.6184442	6.125				

Concentration

Parameter Range	FC068515.D	FC068516.D	FC068517.D	FC068518.D	FC068519.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	FC068515.D	FC068516.D	FC068517.D	FC068518.D	FC068519.D	
Aliphatic C9-C12	96392.300000	101484.380000	104767.200000	114079.733333	109686.400000	
Aliphatic C12-C16	92157.445000	98973.380000	102214.750000	112657.000000	105610.300000	
Aliphatic C16-C21	88978.536666	95867.473333	98963.250000	109674.233333	100599.200000	

Initial Calibration Report for SequenceID : FC040925AL

Aliphatic C21-C28	86703.822500	91231.525000	94114.162500	103436.075000	95441.100000	
Aliphatic C28-C40	86143.693333	86176.140000	89075.758333	95479.750000	92538.833333	
Aliphatic EPH	89116.936111	92888.070000	95918.447222	104622.150000	98837.488888	

Initial Calibration Report for SequenceID : FD040725AR

AreaCount

Parameter Range	FD049232.D	FD049233.D	FD049234.D	FD049235.D	FD049236.D	
Aromatic C10-C12	29839752.000	14982241.000	6112471.000	3350222.000	1646164.000	
Aromatic C12-C16	49677487.000	24625801.000	9979747.000	5389632.000	2630674.000	
Aromatic C16-C21	65416364.000	32353084.000	13305741.000	7066388.000	3404391.000	
Aromatic C21-C36	119779017.000	59475216.000	24862220.000	13179500.000	6339819.000	
Aromatic EPH	264712620.000	131436342.000	54260179.000	28985742.000	14021048.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	156792.089	5.507				
Aromatic C12-C16	170225.0826662	4.035				
Aromatic C16-C21	167701.4685	3.541				
Aromatic C21-C36	138140.428666	4.246				
Aromatic EPH	152129.3976664	4.123				

Concentration

Parameter Range	FD049232.D	FD049233.D	FD049234.D	FD049235.D	FD049236.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	FD049232.D	FD049233.D	FD049234.D	FD049235.D	FD049236.D	
Aromatic C10-C12	149198.760000	149822.410000	152811.775000	167511.100000	164616.400000	
Aromatic C12-C16	165591.623333	164172.006666	166329.116666	179654.400000	175378.266666	
Aromatic C16-C21	163540.910000	161765.420000	166321.762500	176659.700000	170219.550000	
Aromatic C21-C36	133087.796666	132167.146666	138123.444444	146438.888888	140884.866666	
Aromatic EPH	147062.566666	146040.380000	150722.719444	161031.900000	155789.422222	

Continuing Calibration Report for SequenceID : FC041025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC068535.D

Aliphatic C9-C12	6400996.000	60.000	3.348	6.648	106683.267	105282.003	-1.331
Aliphatic C12-C16	3901786.000	40.000	6.649	10.049	97544.650	102322.575	4.669
Aliphatic C16-C21	5395650.000	60.000	10.050	13.416	89927.500	98816.539	8.995
Aliphatic C21-C28	6868384.000	80.000	13.417	17.080	85854.800	94185.337	8.845
Aliphatic C28-C40	10279701.000	120.000	17.081	22.083	85664.175	89882.835	4.694
Aliphatic EPH	32846517.000	360.000	3.348	22.083	91240.325	96276.618	5.231

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	09 Apr 2025 21:00
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068535.D	Misc:	
Instrument:	FID_C	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.348	6.648	6400996.000	60.000	ug/ml
Aliphatic C12-C16	6.649	10.049	3901786.000	40.000	ug/ml
Aliphatic C16-C21	10.050	13.416	5395650.000	60.000	ug/ml
Aliphatic C21-C28	13.417	17.080	6868384.000	80.000	ug/ml
Aliphatic C28-C40	17.081	22.083	10279701.000	120.000	ug/ml
Aliphatic EPH	3.348	22.083	32846517.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC041025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC068543.D

Aliphatic C9-C12	6325623.000	60.000	3.348	6.648	105427.050	105282.003	-0.138
Aliphatic C12-C16	3968971.000	40.000	6.649	10.049	99224.275	102322.575	3.028
Aliphatic C16-C21	5589399.000	60.000	10.050	13.416	93156.650	98816.539	5.728
Aliphatic C21-C28	6999387.000	80.000	13.417	17.080	87492.338	94185.337	7.106
Aliphatic C28-C40	10235913.000	120.000	17.081	22.083	85299.275	89882.835	5.099
Aliphatic EPH	33119293.000	360.000	3.348	22.083	91998.036	96276.618	4.444

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	10 Apr 2025 03:08
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068543.D	Misc:	
Instrument:	FID_C	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.348	6.648	6325623.000	60.000	ug/ml
Aliphatic C12-C16	6.649	10.049	3968971.000	40.000	ug/ml
Aliphatic C16-C21	10.050	13.416	5589399.000	60.000	ug/ml
Aliphatic C21-C28	13.417	17.080	6999387.000	80.000	ug/ml
Aliphatic C28-C40	17.081	22.083	10235913.000	120.000	ug/ml
Aliphatic EPH	3.348	22.083	33119293.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC041125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC068546.D

Aliphatic C9-C12	6138470.000	60.000	3.345	6.644	102307.833	105282.003	2.825
Aliphatic C12-C16	3913351.000	40.000	6.645	10.043	97833.775	102322.575	4.387
Aliphatic C16-C21	5581584.000	60.000	10.044	13.409	93026.400	98816.539	5.859
Aliphatic C21-C28	7034588.000	80.000	13.410	17.073	87932.350	94185.337	6.639
Aliphatic C28-C40	10265171.000	120.000	17.074	22.075	85543.092	89882.835	4.828
Aliphatic EPH	32933164.000	360.000	3.345	22.075	91481.011	96276.618	4.981

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	10 Apr 2025 07:56
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068546.D	Misc:	
Instrument:	FID_C	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.345	6.644	6138470.000	60.000	ug/ml
Aliphatic C12-C16	6.645	10.043	3913351.000	40.000	ug/ml
Aliphatic C16-C21	10.044	13.409	5581584.000	60.000	ug/ml
Aliphatic C21-C28	13.410	17.073	7034588.000	80.000	ug/ml
Aliphatic C28-C40	17.074	22.075	10265171.000	120.000	ug/ml
Aliphatic EPH	3.345	22.075	32933164.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC041125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC068549.D

Aliphatic C9-C12	6458363.000	60.000	3.345	6.644	107639.383	105282.003	-2.239
Aliphatic C12-C16	4079638.000	40.000	6.645	10.043	101990.950	102322.575	0.324
Aliphatic C16-C21	5727040.000	60.000	10.044	13.409	95450.667	98816.539	3.406
Aliphatic C21-C28	7100833.000	80.000	13.410	17.073	88760.413	94185.337	5.760
Aliphatic C28-C40	10339208.000	120.000	17.074	22.075	86160.067	89882.835	4.142
Aliphatic EPH	33705082.000	360.000	3.345	22.075	93625.228	96276.618	2.754

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	10 Apr 2025 11:16
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068549.D	Misc:	
Instrument:	FID_C	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.345	6.644	6458363.000	60.000	ug/ml
Aliphatic C12-C16	6.645	10.043	4079638.000	40.000	ug/ml
Aliphatic C16-C21	10.044	13.409	5727040.000	60.000	ug/ml
Aliphatic C21-C28	13.410	17.073	7100833.000	80.000	ug/ml
Aliphatic C28-C40	17.074	22.075	10339208.000	120.000	ug/ml
Aliphatic EPH	3.345	22.075	33705082.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC041125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC068559.D

Aliphatic C9-C12	6096249.000	60.000	3.345	6.644	101604.150	105282.003	3.493
Aliphatic C12-C16	3784483.000	40.000	6.645	10.043	94612.075	102322.575	7.535
Aliphatic C16-C21	5304758.000	60.000	10.044	13.409	88412.633	98816.539	10.529
Aliphatic C21-C28	6712207.000	80.000	13.410	17.073	83902.588	94185.337	10.918
Aliphatic C28-C40	10067118.000	120.000	17.074	22.075	83892.650	89882.835	6.664
Aliphatic EPH	31964815.000	360.000	3.345	22.075	88791.153	96276.618	7.775

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	10 Apr 2025 19:45
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068559.D	Misc:	
Instrument:	FID_C	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.345	6.644	6096249.000	60.000	ug/ml
Aliphatic C12-C16	6.645	10.043	3784483.000	40.000	ug/ml
Aliphatic C16-C21	10.044	13.409	5304758.000	60.000	ug/ml
Aliphatic C21-C28	13.410	17.073	6712207.000	80.000	ug/ml
Aliphatic C28-C40	17.074	22.075	10067118.000	120.000	ug/ml
Aliphatic EPH	3.345	22.075	31964815.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC041125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC068571.D

Aliphatic C9-C12	6233414.000	60.000	3.345	6.644	103890.233	105282.003	1.322
Aliphatic C12-C16	3778079.000	40.000	6.645	10.043	94451.975	102322.575	7.692
Aliphatic C16-C21	5202338.000	60.000	10.044	13.409	86705.633	98816.539	12.256
Aliphatic C21-C28	6676284.000	80.000	13.410	17.073	83453.550	94185.337	11.394
Aliphatic C28-C40	10202260.000	120.000	17.074	22.075	85018.833	89882.835	5.411
Aliphatic EPH	32092375.000	360.000	3.345	22.075	89145.486	96276.618	7.407

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	11 Apr 2025 04:22
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068571.D	Misc:	
Instrument:	FID_C	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.345	6.644	6233414.000	60.000	ug/ml
Aliphatic C12-C16	6.645	10.043	3778079.000	40.000	ug/ml
Aliphatic C16-C21	10.044	13.409	5202338.000	60.000	ug/ml
Aliphatic C21-C28	13.410	17.073	6676284.000	80.000	ug/ml
Aliphatic C28-C40	17.074	22.075	10202260.000	120.000	ug/ml
Aliphatic EPH	3.345	22.075	32092375.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD040925AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049257.D

Aromatic C10-C12	5253969.000	40.000	4.440	6.185	131349.225	156792.089	16.227
Aromatic C12-C16	8512326.000	60.000	6.186	8.813	141872.100	170225.083	16.656
Aromatic C16-C21	11443529.000	80.000	8.814	13.103	143044.113	167701.469	14.703
Aromatic C21-C36	22574454.000	180.000	13.104	18.518	125413.633	138140.429	9.213
Aromatic EPH	47784278.000	360.000	4.440	18.518	132734.106	152129.398	12.749

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	09 Apr 2025 12:11
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049257.D	Misc:	
Instrument:	FID_D	ALS Vial:	54
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.440	6.185	5253969.000	40.000	ug/ml
Aromatic C12-C16	6.186	8.813	8512326.000	60.000	ug/ml
Aromatic C16-C21	8.814	13.103	11443529.000	80.000	ug/ml
Aromatic C21-C36	13.104	18.518	22574454.000	180.000	ug/ml
Aromatic EPH	4.440	18.518	47784278.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD040925AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049265.D

Aromatic C10-C12	5823092.000	40.000	4.440	6.185	145577.300	156792.089	7.153
Aromatic C12-C16	9287317.000	60.000	6.186	8.813	154788.617	170225.083	9.068
Aromatic C16-C21	12670535.000	80.000	8.814	13.103	158381.688	167701.469	5.557
Aromatic C21-C36	25214080.000	180.000	13.104	18.518	140078.222	138140.429	-1.403
Aromatic EPH	52995024.000	360.000	4.440	18.518	147208.400	152129.398	3.235

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	09 Apr 2025 21:37
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049265.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.440	6.185	5823092.000	40.000	ug/ml
Aromatic C12-C16	6.186	8.813	9287317.000	60.000	ug/ml
Aromatic C16-C21	8.814	13.103	12670535.000	80.000	ug/ml
Aromatic C21-C36	13.104	18.518	25214080.000	180.000	ug/ml
Aromatic EPH	4.440	18.518	52995024.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD041025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049268.D

Aromatic C10-C12	5439988.000	40.000	4.440	6.185	135999.700	156792.089	13.261
Aromatic C12-C16	8722016.000	60.000	6.186	8.813	145366.933	170225.083	14.603
Aromatic C16-C21	11673840.000	80.000	8.814	13.102	145923.000	167701.469	12.986
Aromatic C21-C36	23479622.000	180.000	13.103	18.519	130442.344	138140.429	5.573
Aromatic EPH	49315466.000	360.000	4.440	18.519	136987.406	152129.398	9.953

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	10 Apr 2025 14:10
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049268.D	Misc:	
Instrument:	FID_D	ALS Vial:	54
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.440	6.185	5439988.000	40.000	ug/ml
Aromatic C12-C16	6.186	8.813	8722016.000	60.000	ug/ml
Aromatic C16-C21	8.814	13.102	11673840.000	80.000	ug/ml
Aromatic C21-C36	13.103	18.519	23479622.000	180.000	ug/ml
Aromatic EPH	4.440	18.519	49315466.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD041025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049280.D

Aromatic C10-C12	5275482.000	40.000	4.440	6.185	131887.050	156792.089	15.884
Aromatic C12-C16	8494935.000	60.000	6.186	8.813	141582.250	170225.083	16.826
Aromatic C16-C21	11446135.000	80.000	8.814	13.102	143076.688	167701.469	14.684
Aromatic C21-C36	22930748.000	180.000	13.103	18.519	127393.044	138140.429	7.780
Aromatic EPH	48147300.000	360.000	4.440	18.519	133742.500	152129.398	12.086

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	10 Apr 2025 21:36
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049280.D	Misc:	
Instrument:	FID_D	ALS Vial:	54
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.440	6.185	5275482.000	40.000	ug/ml
Aromatic C12-C16	6.186	8.813	8494935.000	60.000	ug/ml
Aromatic C16-C21	8.814	13.102	11446135.000	80.000	ug/ml
Aromatic C21-C36	13.103	18.519	22930748.000	180.000	ug/ml
Aromatic EPH	4.440	18.519	48147300.000	360.000	ug/ml



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068565.D
Signal(s) : FID1A.ch
Acq On : 11 Apr 2025 00:41
Operator : YP/AJ
Sample : Q1746-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-149-SB01

Integration File: autoint1.e
Quant Time: Apr 11 03:47:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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			
12) S 1-chlorooctadecane (S...	13.145	4089584	44.024 ug/ml
Spiked Amount	50.000	Recovery	= 88.05%

Target Compounds

(f)=RT Delta > 1/2 Window

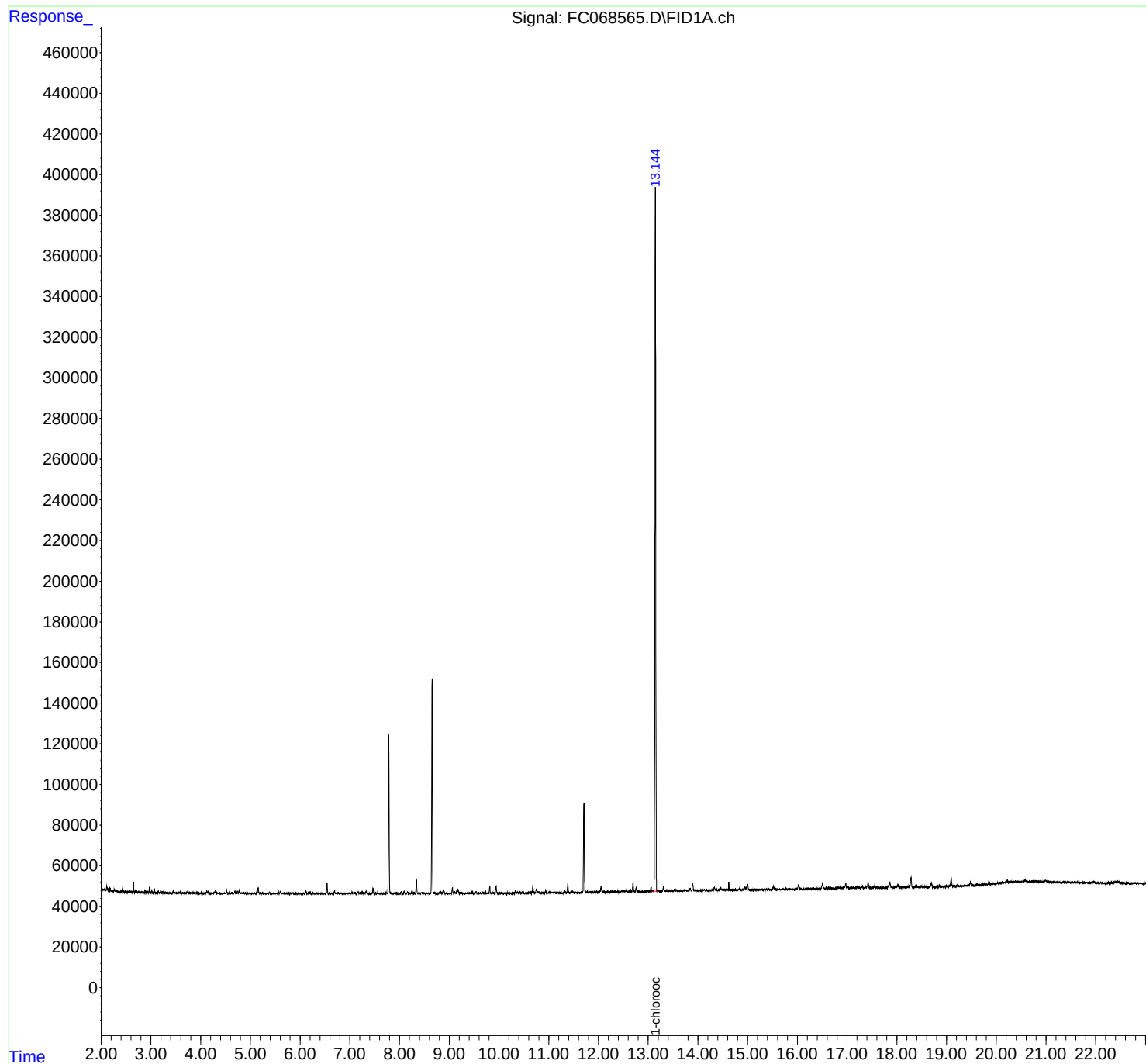
(m)=manual int.

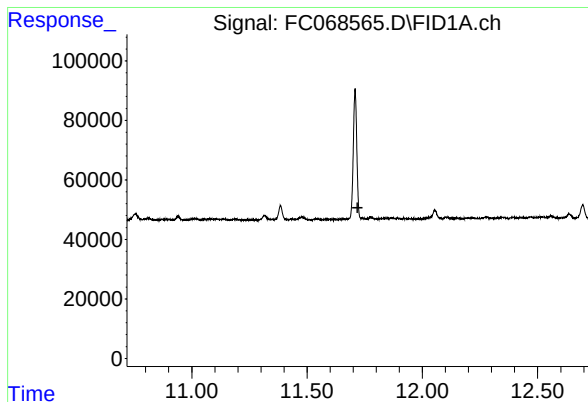
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Signal(s) : FID1A.ch
Acq On : 11 Apr 2025 00:41
Operator : YP/AJ
Sample : Q1746-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-149-SB01

Integration File: autoint1.e
Quant Time: Apr 11 03:47:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

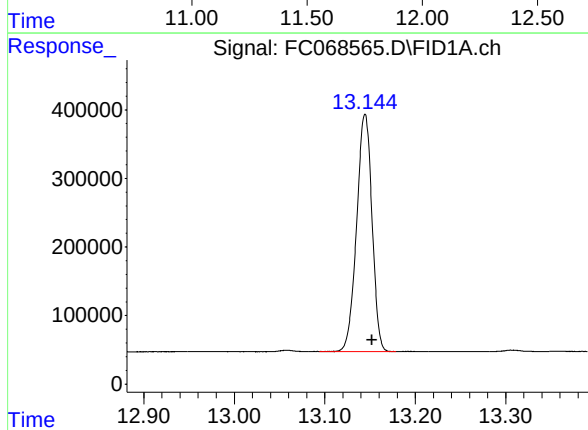




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.719 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-149-SB01



#12 1-chlorooctadecane (SURR)

R.T.: 13.145 min
Delta R.T.: -0.007 min
Response: 4089584
Conc: 44.02 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068565.D
 Signal(s) : FID1A.ch
 Acq On : 11 Apr 2025 00:41
 Sample : Q1746-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	2.419	2.401	2.475	PV	898	7285	0.18%	0.060%
2	2.484	2.475	2.526	PV	87	908	0.02%	0.007%
3	2.539	2.526	2.555	PV	56	509	0.01%	0.004%
4	2.573	2.555	2.596	VV	436	4428	0.11%	0.036%
5	2.610	2.596	2.622	VV	193	1444	0.04%	0.012%
6	2.648	2.622	2.669	VV	5147	40374	0.98%	0.332%
7	2.685	2.669	2.741	VV	482	9239	0.23%	0.076%
8	2.752	2.741	2.766	VV	288	2181	0.05%	0.018%
9	2.778	2.766	2.805	VV	275	2809	0.07%	0.023%
10	2.814	2.805	2.838	VV	218	1915	0.05%	0.016%
11	2.844	2.838	2.855	VV	80	361	0.01%	0.003%
12	2.881	2.855	2.944	PV	620	8604	0.21%	0.071%
13	2.969	2.944	3.005	VV	2278	28202	0.69%	0.232%
14	3.019	3.005	3.050	VV	887	8375	0.20%	0.069%
15	3.070	3.050	3.125	VV	1986	19385	0.47%	0.159%
16	3.150	3.125	3.175	VV	387	4795	0.12%	0.039%
17	3.198	3.175	3.244	VV	1686	17312	0.42%	0.142%
18	3.263	3.244	3.281	VV	211	3183	0.08%	0.026%
19	3.297	3.281	3.358	VV	198	3679	0.09%	0.030%
20	3.446	3.358	3.465	PV	783	10734	0.26%	0.088%
21	3.471	3.465	3.520	VV	255	4073	0.10%	0.033%
22	3.550	3.520	3.568	PV	283	3963	0.10%	0.033%
23	3.598	3.568	3.628	VV	892	11090	0.27%	0.091%
24	3.649	3.628	3.699	VV	241	5855	0.14%	0.048%
25	3.722	3.699	3.743	VV	403	5497	0.13%	0.045%
26	3.773	3.743	3.810	VV	351	8176	0.20%	0.067%
27	3.825	3.810	3.851	VV	389	6687	0.16%	0.055%
28	3.861	3.851	3.881	VV	263	3164	0.08%	0.026%
29	3.897	3.881	3.931	VV	347	5718	0.14%	0.047%
30	3.945	3.931	3.985	VV	385	5768	0.14%	0.047%
31	4.015	3.985	4.088	VV	571	12907	0.31%	0.106%
32	4.119	4.088	4.133	VV	650	8703	0.21%	0.071%
33	4.147	4.133	4.198	VV	1255	15459	0.38%	0.127%
34	4.216	4.198	4.251	VV	351	5360	0.13%	0.044%
35	4.291	4.251	4.314	VV	835	15067	0.37%	0.124%
36	4.328	4.314	4.407	VV	329	8519	0.21%	0.070%

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37	4.448	4.407	4.460	PV	241	3971	0.10%	0.033%
38	4.478	4.460	4.496	VV	215	3960	0.10%	0.033%
39	4.520	4.496	4.558	VV	1652	20857	0.51%	0.171%
40	4.568	4.558	4.581	VV	402	3520	0.09%	0.029%
41	4.632	4.581	4.658	VV	424	9855	0.24%	0.081%
42	4.689	4.658	4.711	VV	1032	14580	0.36%	0.120%
43	4.745	4.711	4.759	VV	930	13277	0.32%	0.109%
44	4.776	4.759	4.795	VV	1821	17733	0.43%	0.146%
45	4.809	4.795	4.848	VV	321	5855	0.14%	0.048%
46	4.896	4.848	4.925	VV	284	7592	0.19%	0.062%
47	4.938	4.925	4.962	VV	302	4100	0.10%	0.034%
48	4.971	4.962	4.991	VV	249	2383	0.06%	0.020%
49	5.002	4.991	5.025	VV	305	2983	0.07%	0.025%
50	5.037	5.025	5.065	VV	115	2088	0.05%	0.017%
51	5.085	5.065	5.103	VV	178	3242	0.08%	0.027%
52	5.130	5.103	5.140	PV	655	6796	0.17%	0.056%
53	5.157	5.140	5.191	VV	2933	34116	0.83%	0.280%
54	5.215	5.191	5.233	VV	645	8994	0.22%	0.074%
55	5.244	5.233	5.322	VV	380	10056	0.25%	0.083%
56	5.351	5.322	5.368	VV	209	3523	0.09%	0.029%
57	5.383	5.368	5.417	VV	708	9033	0.22%	0.074%
58	5.440	5.417	5.451	VV	269	3929	0.10%	0.032%
59	5.458	5.451	5.470	VV	191	1909	0.05%	0.016%
60	5.509	5.470	5.538	VV	215	6088	0.15%	0.050%
61	5.560	5.538	5.579	VV	1577	17740	0.43%	0.146%
62	5.601	5.579	5.622	VV	1318	15594	0.38%	0.128%
63	5.659	5.622	5.691	VV	326	7140	0.17%	0.059%
64	5.699	5.691	5.706	VV	196	1315	0.03%	0.011%
65	5.750	5.706	5.780	VV	512	10233	0.25%	0.084%
66	5.805	5.780	5.828	VV	240	4239	0.10%	0.035%
67	5.850	5.828	5.881	VV	446	8278	0.20%	0.068%
68	5.905	5.881	5.931	VV	332	5511	0.13%	0.045%
69	5.941	5.931	5.961	VV	185	2207	0.05%	0.018%
70	5.979	5.961	6.001	VV	213	3303	0.08%	0.027%
71	6.017	6.001	6.036	PV	292	2976	0.07%	0.024%
72	6.068	6.036	6.097	VV	495	7074	0.17%	0.058%
73	6.117	6.097	6.141	VV	1498	17478	0.43%	0.144%
74	6.159	6.141	6.181	VV	490	5885	0.14%	0.048%
75	6.203	6.181	6.235	VV	1068	13084	0.32%	0.107%
76	6.263	6.235	6.288	VV	711	8764	0.21%	0.072%
77	6.334	6.288	6.359	VV	326	7789	0.19%	0.064%
78	6.368	6.359	6.378	VV	188	1568	0.04%	0.013%
79	6.391	6.378	6.413	VV	296	2992	0.07%	0.025%
80	6.429	6.413	6.445	VV	231	2716	0.07%	0.022%
81	6.470	6.445	6.501	VV	261	5694	0.14%	0.047%
82	6.543	6.501	6.591	VV	5134	56052	1.37%	0.460%
83	6.628	6.591	6.651	VV	384	6072	0.15%	0.050%
84	6.663	6.651	6.678	VV	286	3875	0.09%	0.032%
85	6.693	6.678	6.714	VV	1473	15430	0.38%	0.127%
86	6.730	6.714	6.749	VV	453	6296	0.15%	0.052%
87	6.766	6.749	6.795	VV	552	7461	0.18%	0.061%
88	6.823	6.795	6.845	VV	257	4408	0.11%	0.036%
89	6.872	6.845	6.916	VV	381	8022	0.20%	0.066%

					rt	ret	area	%area
90	6.943	6.916	6.964	VV	220	4678	0.11%	0.038%
91	6.990	6.964	7.017	VV	436	7015	0.17%	0.058%
92	7.042	7.017	7.077	VV	762	16285	0.40%	0.134%
93	7.102	7.077	7.130	VV	662	12884	0.31%	0.106%
94	7.170	7.130	7.190	VV	1116	19613	0.48%	0.161%
95	7.205	7.190	7.227	VV	379	4894	0.12%	0.040%
96	7.248	7.227	7.290	VV	903	12641	0.31%	0.104%
97	7.330	7.290	7.417	VV	1346	26783	0.65%	0.220%
98	7.433	7.417	7.448	VV	405	5184	0.13%	0.043%
99	7.468	7.448	7.494	VV	2766	30442	0.74%	0.250%
100	7.534	7.494	7.548	VV	303	6297	0.15%	0.052%
101	7.560	7.548	7.585	VV	452	4864	0.12%	0.040%
102	7.594	7.585	7.607	VV	102	901	0.02%	0.007%
103	7.646	7.607	7.691	PV	245	6386	0.16%	0.052%
104	7.702	7.691	7.714	VV	105	1177	0.03%	0.010%
105	7.732	7.714	7.754	VV	640	6682	0.16%	0.055%
106	7.785	7.754	7.855	PV	77589	744748	18.15%	6.118%
107	7.897	7.855	7.912	VV	356	6715	0.16%	0.055%
108	7.923	7.912	7.936	VV	271	3259	0.08%	0.027%
109	7.949	7.936	7.973	VV	291	3897	0.09%	0.032%
110	7.990	7.973	8.008	VV	274	3135	0.08%	0.026%
111	8.036	8.008	8.071	VV	1156	15478	0.38%	0.127%
112	8.093	8.071	8.115	VV	1159	13597	0.33%	0.112%
113	8.162	8.115	8.185	VV	701	12108	0.30%	0.099%
114	8.193	8.185	8.220	VV	260	3287	0.08%	0.027%
115	8.246	8.220	8.265	VV	947	12279	0.30%	0.101%
116	8.272	8.265	8.295	VV	477	5835	0.14%	0.048%
117	8.301	8.295	8.314	VV	281	2474	0.06%	0.020%
118	8.340	8.314	8.406	VV	6611	74275	1.81%	0.610%
119	8.436	8.406	8.473	VV	522	12852	0.31%	0.106%
120	8.500	8.473	8.522	VV	289	6243	0.15%	0.051%
121	8.535	8.522	8.560	VV	322	3773	0.09%	0.031%
122	8.575	8.560	8.598	VV	287	3122	0.08%	0.026%
123	8.655	8.598	8.727	PV	105858	1052122	25.65%	8.642%
124	8.751	8.727	8.774	VV	410	7864	0.19%	0.065%
125	8.805	8.774	8.816	VV	491	9544	0.23%	0.078%
126	8.830	8.816	8.861	VV	532	9928	0.24%	0.082%
127	8.878	8.861	8.921	VV	1565	24717	0.60%	0.203%
128	8.936	8.921	8.977	VV	265	5390	0.13%	0.044%
129	8.996	8.977	9.015	PV	288	3340	0.08%	0.027%
130	9.031	9.015	9.040	VV	269	3170	0.08%	0.026%
131	9.064	9.040	9.083	VV	2834	31830	0.78%	0.261%
132	9.098	9.083	9.138	VV	761	17164	0.42%	0.141%
133	9.163	9.138	9.207	VV	2401	47905	1.17%	0.394%
134	9.218	9.207	9.238	VV	370	5055	0.12%	0.042%
135	9.251	9.238	9.277	VV	380	4381	0.11%	0.036%
136	9.304	9.277	9.334	PV	226	4390	0.11%	0.036%
137	9.351	9.334	9.372	VV	171	2508	0.06%	0.021%
138	9.398	9.372	9.415	VV	292	4590	0.11%	0.038%
139	9.425	9.415	9.433	VV	207	1882	0.05%	0.015%
140	9.462	9.433	9.510	VV	496	11787	0.29%	0.097%
141	9.536	9.510	9.564	VV	934	15151	0.37%	0.124%

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142	9.582	9.564	9.599	VV	391	6519	0.16%	0.054%
143	9.620	9.599	9.648	VV	391	7324	0.18%	0.060%
144	9.670	9.648	9.701	VV	672	10844	0.26%	0.089%
145	9.723	9.701	9.761	VV	1354	17062	0.42%	0.140%
146	9.783	9.761	9.798	VV	439	5412	0.13%	0.044%
147	9.815	9.798	9.840	VV	3298	34434	0.84%	0.283%
148	9.861	9.840	9.918	VV	745	12891	0.31%	0.106%
149	9.942	9.918	9.995	VV	3847	45591	1.11%	0.374%
150	10.016	9.995	10.096	VV	320	10474	0.26%	0.086%
151	10.115	10.096	10.123	PV	215	2002	0.05%	0.016%
152	10.140	10.123	10.199	VV	450	6621	0.16%	0.054%
153	10.223	10.199	10.238	VV	154	1889	0.05%	0.016%
154	10.288	10.238	10.304	VV	339	6574	0.16%	0.054%
155	10.333	10.304	10.356	VV	1296	18589	0.45%	0.153%
156	10.378	10.356	10.396	VV	446	7001	0.17%	0.058%
157	10.420	10.396	10.445	VV	468	8400	0.20%	0.069%
158	10.474	10.445	10.511	VV	426	7666	0.19%	0.063%
159	10.546	10.511	10.561	VV	271	4930	0.12%	0.040%
160	10.581	10.561	10.597	VV	293	4993	0.12%	0.041%
161	10.621	10.597	10.650	VV	369	8758	0.21%	0.072%
162	10.681	10.650	10.722	VV	2730	39119	0.95%	0.321%
163	10.756	10.722	10.786	VV	2147	36354	0.89%	0.299%
164	10.812	10.786	10.843	VV	604	12938	0.32%	0.106%
165	10.856	10.843	10.862	VV	223	2097	0.05%	0.017%
166	10.878	10.862	10.915	VV	287	6506	0.16%	0.053%
167	10.940	10.915	10.968	VV	1252	15285	0.37%	0.126%
168	10.978	10.968	10.985	VV	125	1256	0.03%	0.010%
169	11.014	10.985	11.036	VV	595	9952	0.24%	0.082%
170	11.052	11.036	11.061	VV	277	3297	0.08%	0.027%
171	11.078	11.061	11.093	VV	408	6065	0.15%	0.050%
172	11.107	11.093	11.123	VV	318	5172	0.13%	0.042%
173	11.137	11.123	11.163	VV	397	5388	0.13%	0.044%
174	11.190	11.163	11.215	VV	341	5048	0.12%	0.041%
175	11.316	11.215	11.345	PV	1438	21834	0.53%	0.179%
176	11.385	11.345	11.425	VV	4791	56637	1.38%	0.465%
177	11.432	11.425	11.451	VV	222	2756	0.07%	0.023%
178	11.478	11.451	11.513	VV	961	16272	0.40%	0.134%
179	11.542	11.513	11.566	PV	350	4887	0.12%	0.040%
180	11.585	11.566	11.609	VV	166	2659	0.06%	0.022%
181	11.624	11.609	11.648	VV	92	1801	0.04%	0.015%
182	11.708	11.648	11.757	VV	43456	477450	11.64%	3.922%
183	11.776	11.757	11.808	VV	799	12369	0.30%	0.102%
184	11.870	11.808	11.883	VV	460	15859	0.39%	0.130%
185	11.893	11.883	11.911	VV	372	4770	0.12%	0.039%
186	11.925	11.911	11.968	VV	275	7491	0.18%	0.062%
187	11.986	11.968	12.005	VV	255	3867	0.09%	0.032%
188	12.055	12.005	12.088	VV	3016	50025	1.22%	0.411%
189	12.104	12.088	12.125	VV	576	9163	0.22%	0.075%
190	12.153	12.125	12.176	VV	326	7483	0.18%	0.061%
191	12.214	12.176	12.246	VV	447	11862	0.29%	0.097%
192	12.276	12.246	12.312	VV	640	14504	0.35%	0.119%
193	12.346	12.312	12.374	VV	577	13860	0.34%	0.114%
194	12.392	12.374	12.408	VV	566	7701	0.19%	0.063%

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195	12.430	12.408	12.449	VV	462	9180	0.22%	0.075%
196	12.468	12.449	12.484	VV	624	9266	0.23%	0.076%
197	12.524	12.484	12.536	VV	528	14675	0.36%	0.121%
198	12.557	12.536	12.595	VV	910	17443	0.43%	0.143%
199	12.636	12.595	12.665	VV	1571	25945	0.63%	0.213%
200	12.695	12.665	12.735	VV	4503	62108	1.51%	0.510%
201	12.759	12.735	12.802	VV	2272	35740	0.87%	0.294%
202	12.816	12.802	12.891	VV	322	9808	0.24%	0.081%
203	12.951	12.891	13.007	VV	408	18555	0.45%	0.152%
204	13.019	13.007	13.035	VV	317	3557	0.09%	0.029%
205	13.058	13.035	13.081	VV	2278	27626	0.67%	0.227%
206	13.093	13.081	13.099	VV	528	5113	0.12%	0.042%
207	13.144	13.099	13.179	VV	347294	4102386	100.00%	33.698%
208	13.192	13.179	13.227	VV	508	10797	0.26%	0.089%
209	13.254	13.227	13.275	VV	355	8373	0.20%	0.069%
210	13.307	13.275	13.345	VV	2306	37162	0.91%	0.305%
211	13.361	13.345	13.411	VV	593	17533	0.43%	0.144%
212	13.417	13.411	13.464	VV	373	9723	0.24%	0.080%
213	13.525	13.464	13.565	VV	607	25852	0.63%	0.212%
214	13.579	13.565	13.621	VV	542	15040	0.37%	0.124%
215	13.651	13.621	13.671	VV	648	13828	0.34%	0.114%
216	13.739	13.671	13.778	VV	562	26238	0.64%	0.216%
217	13.797	13.778	13.815	VV	488	8797	0.21%	0.072%
218	13.843	13.815	13.866	VV	1483	23275	0.57%	0.191%
219	13.894	13.866	13.944	VV	3703	57460	1.40%	0.472%
220	13.962	13.944	14.029	VV	519	17441	0.43%	0.143%
221	14.044	14.029	14.090	VV	261	8657	0.21%	0.071%
222	14.125	14.090	14.155	VV	674	16478	0.40%	0.135%
223	14.185	14.155	14.211	VV	398	10718	0.26%	0.088%
224	14.229	14.211	14.248	VV	418	7101	0.17%	0.058%
225	14.259	14.248	14.268	VV	458	4496	0.11%	0.037%
226	14.330	14.268	14.354	VV	1771	37330	0.91%	0.307%
227	14.364	14.354	14.401	VV	517	11776	0.29%	0.097%
228	14.419	14.401	14.433	VV	547	8086	0.20%	0.066%
229	14.457	14.433	14.481	VV	1746	25184	0.61%	0.207%
230	14.492	14.481	14.507	VV	401	5492	0.13%	0.045%
231	14.563	14.507	14.608	VV	551	25486	0.62%	0.209%
232	14.621	14.608	14.644	VV	1623	11668	0.28%	0.096%
233	14.666	14.644	14.678	VV	543	8249	0.20%	0.068%
234	14.690	14.678	14.700	VV	357	4481	0.11%	0.037%
235	14.722	14.700	14.765	VV	556	15671	0.38%	0.129%
236	14.777	14.765	14.795	VV	413	5881	0.14%	0.048%
237	14.836	14.795	14.875	VV	967	24054	0.59%	0.198%
238	14.890	14.875	14.908	VV	402	6352	0.15%	0.052%
239	14.953	14.908	14.965	VV	1224	28719	0.70%	0.236%
240	14.998	14.965	15.078	VV	2826	63354	1.54%	0.520%
241	15.101	15.078	15.130	VV	364	7795	0.19%	0.064%
242	15.141	15.130	15.157	VV	263	3197	0.08%	0.026%
243	15.191	15.157	15.225	VV	347	9462	0.23%	0.078%
244	15.256	15.225	15.278	VV	304	7916	0.19%	0.065%
245	15.283	15.278	15.301	VV	345	3556	0.09%	0.029%
246	15.336	15.301	15.353	VV	414	8634	0.21%	0.071%

					rteres			
247	15.383	15.353	15.406	VV	452	10016	0.24%	0.082%
248	15.426	15.406	15.445	VV	384	6426	0.16%	0.053%
249	15.458	15.445	15.490	VV	281	4761	0.12%	0.039%
250	15.519	15.490	15.556	VV	1639	29459	0.72%	0.242%
251	15.568	15.556	15.588	VV	335	4485	0.11%	0.037%
252	15.607	15.588	15.628	VV	418	6765	0.16%	0.056%
253	15.644	15.628	15.661	VV	253	3671	0.09%	0.030%
254	15.669	15.661	15.682	VV	176	1978	0.05%	0.016%
255	15.703	15.682	15.736	VV	345	7889	0.19%	0.065%
256	15.752	15.736	15.769	VV	376	5836	0.14%	0.048%
257	15.784	15.769	15.808	VV	322	6196	0.15%	0.051%
258	15.851	15.808	15.868	VV	400	9656	0.24%	0.079%
259	16.579	15.868	15.893	VV	276	3273	0.08%	0.027%
260	15.904	15.893	15.935	VV	209	4829	0.12%	0.040%
261	15.979	15.935	15.997	VV	750	12420	0.30%	0.102%
262	16.021	15.997	16.108	VV	2405	39400	0.96%	0.324%
263	16.121	16.108	16.145	VV	176	2244	0.05%	0.018%
264	16.193	16.145	16.211	PV	379	7917	0.19%	0.065%
265	16.219	16.211	16.271	VV	430	10990	0.27%	0.090%
266	16.322	16.271	16.364	VV	374	14116	0.34%	0.116%
267	16.404	16.364	16.439	VV	356	11728	0.29%	0.096%
268	16.502	16.439	16.560	VV	2430	54803	1.34%	0.450%
269	16.589	16.560	16.607	VV	605	10927	0.27%	0.090%
270	16.625	16.607	16.647	VV	497	9517	0.23%	0.078%
271	16.664	16.647	16.764	VV	580	28517	0.70%	0.234%
272	16.817	16.764	16.835	VV	900	20742	0.51%	0.170%
273	16.873	16.835	16.909	VV	920	23611	0.58%	0.194%
274	16.973	16.909	16.998	VV	2658	54581	1.33%	0.448%
275	17.007	16.998	17.062	VV	955	21924	0.53%	0.180%
276	17.123	17.062	17.151	VV	563	22373	0.55%	0.184%
277	17.229	17.151	17.263	VV	806	35707	0.87%	0.293%
278	17.305	17.263	17.341	VV	840	25041	0.61%	0.206%
279	17.422	17.341	17.451	VV	3031	64976	1.58%	0.534%
280	17.471	17.451	17.488	VV	537	9958	0.24%	0.082%
281	17.509	17.488	17.530	VV	469	10269	0.25%	0.084%
282	17.553	17.530	17.615	VV	973	27348	0.67%	0.225%
283	17.635	17.615	17.668	VV	457	9408	0.23%	0.077%
284	17.685	17.668	17.698	VV	310	5081	0.12%	0.042%
285	17.719	17.698	17.750	VV	406	9740	0.24%	0.080%
286	17.769	17.750	17.801	VV	549	12182	0.30%	0.100%
287	17.859	17.801	17.891	VV	2839	59679	1.45%	0.490%
288	17.921	17.891	17.938	VV	320	7522	0.18%	0.062%
289	17.952	17.938	17.974	VV	347	5887	0.14%	0.048%
290	18.023	17.974	18.092	VV	1432	41403	1.01%	0.340%
291	18.119	18.092	18.135	VV	355	6554	0.16%	0.054%
292	18.152	18.135	18.168	VV	310	5456	0.13%	0.045%
293	18.187	18.168	18.198	VV	318	4818	0.12%	0.040%
294	18.240	18.198	18.257	VV	768	17911	0.44%	0.147%
295	18.285	18.257	18.329	VV	4842	71101	1.73%	0.584%
296	18.389	18.329	18.438	PV	1302	30073	0.73%	0.247%
297	18.449	18.438	18.474	VV	247	3838	0.09%	0.032%
298	18.499	18.474	18.518	VV	477	7405	0.18%	0.061%
299	18.542	18.518	18.578	VV	357	8905	0.22%	0.073%

					rteres			
300	18.590	18.578	18.617	VV	239	4080	0.10%	0.034%
301	18.627	18.617	18.645	VV	171	2071	0.05%	0.017%
302	18.694	18.645	18.762	VV	2313	40997	1.00%	0.337%
303	18.812	18.762	18.840	PV	726	14407	0.35%	0.118%
304	18.861	18.840	18.881	VV	658	9993	0.24%	0.082%
305	18.890	18.881	18.901	VV	301	3039	0.07%	0.025%
306	18.907	18.901	18.928	VV	144	2157	0.05%	0.018%
307	18.951	18.928	18.971	VV	293	5812	0.14%	0.048%
308	18.991	18.971	19.001	VV	305	3831	0.09%	0.031%
309	19.008	19.001	19.031	VV	260	3124	0.08%	0.026%
310	19.093	19.031	19.126	PV	4123	70877	1.73%	0.582%
311	19.145	19.126	19.183	VV	581	12804	0.31%	0.105%
312	19.207	19.183	19.245	VV	528	12570	0.31%	0.103%
313	19.299	19.245	19.309	VV	362	11044	0.27%	0.091%
314	19.339	19.309	19.357	VV	397	9910	0.24%	0.081%
315	19.381	19.357	19.435	VV	447	17711	0.43%	0.145%
316	19.479	19.435	19.507	VV	2053	42107	1.03%	0.346%
317	19.523	19.507	19.565	VV	854	20063	0.49%	0.165%
318	19.616	19.565	19.641	VV	959	26612	0.65%	0.219%
319	19.726	19.641	19.744	VV	845	42261	1.03%	0.347%
320	19.774	19.744	19.817	VV	889	35187	0.86%	0.289%
321	19.854	19.817	19.881	VV	2149	51272	1.25%	0.421%
322	19.912	19.881	19.941	VV	1080	35935	0.88%	0.295%
323	19.969	19.941	19.991	VV	1059	30742	0.75%	0.253%
324	20.035	19.991	20.061	VV	1448	52025	1.27%	0.427%
325	20.133	20.061	20.160	VV	1629	81389	1.98%	0.669%
326	20.219	20.160	20.247	VV	2554	93880	2.29%	0.771%
327	20.308	20.247	20.344	VV	1819	99968	2.44%	0.821%
328	20.386	20.344	20.427	VV	2034	92027	2.24%	0.756%
329	20.460	20.427	20.511	VV	1943	94274	2.30%	0.774%
330	20.521	20.511	20.551	VV	1870	42956	1.05%	0.353%
331	20.586	20.551	20.633	VV	2278	94217	2.30%	0.774%
332	20.723	20.633	20.758	VV	1929	133065	3.24%	1.093%
333	20.786	20.758	20.868	VV	1960	112129	2.73%	0.921%
334	20.876	20.868	20.911	VV	1564	38308	0.93%	0.315%
335	20.992	20.911	21.041	VV	1960	119547	2.91%	0.982%
336	21.050	21.041	21.121	VV	1325	58825	1.43%	0.483%
337	21.147	21.121	21.165	VV	1213	30574	0.75%	0.251%
338	21.171	21.165	21.228	VV	1200	41233	1.01%	0.339%
339	21.258	21.228	21.281	VV	1085	32444	0.79%	0.267%
340	21.291	21.281	21.321	VV	967	22386	0.55%	0.184%
341	21.329	21.321	21.334	VV	981	7176	0.17%	0.059%
342	21.342	21.334	21.349	VV	1010	9264	0.23%	0.076%
343	21.356	21.349	21.418	VV	964	36608	0.89%	0.301%
344	21.449	21.418	21.502	VV	1080	46029	1.12%	0.378%
345	21.511	21.502	21.541	VV	772	16965	0.41%	0.139%
346	21.552	21.541	21.595	VV	754	22088	0.54%	0.181%
347	21.601	21.595	21.620	VV	692	9633	0.23%	0.079%
348	21.631	21.620	21.655	VV	633	12403	0.30%	0.102%
349	21.664	21.655	21.671	VV	594	5585	0.14%	0.046%
350	21.682	21.671	21.730	VV	568	19308	0.47%	0.159%
351	21.750	21.730	21.871	VV	575	37940	0.92%	0.312%

					rteres				
352	21.963	21.901	22.081	VV	725	38890	0.95%	0.319%	
353	22.089	22.081	22.095	VV	159	1200	0.03%	0.010%	
354	22.123	22.095	22.171	VV	235	5944	0.14%	0.049%	
355	22.228	22.171	22.278	VV	146	4694	0.11%	0.039%	
356	22.288	22.278	22.298	PV	13	391	0.01%	0.003%	
357	22.309	22.298	22.320	PV	77	372	0.01%	0.003%	
					Sum of corrected areas:	12173953			

Aliphatic EPH 040925.M Fri Apr 11 04:57:04 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049274.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 17:53
 Operator : YP/AJ
 Sample : Q1746-01
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-149-SB01

Integration File: autoint1.e
 Quant Time: Apr 11 01:04:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 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...	7.749	5645993	38.114 ug/ml
Spiked Amount 50.000		Recovery =	76.23%
6) S 2-Fluorobiphenyl (SURR)	8.615	3309950	32.450 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	64.90%
11) S ortho-Terphenyl (SURR)	11.657	5676156	32.217 ug/ml
Spiked Amount 50.000		Recovery =	64.43%

Target Compounds

(f)=RT Delta > 1/2 Window

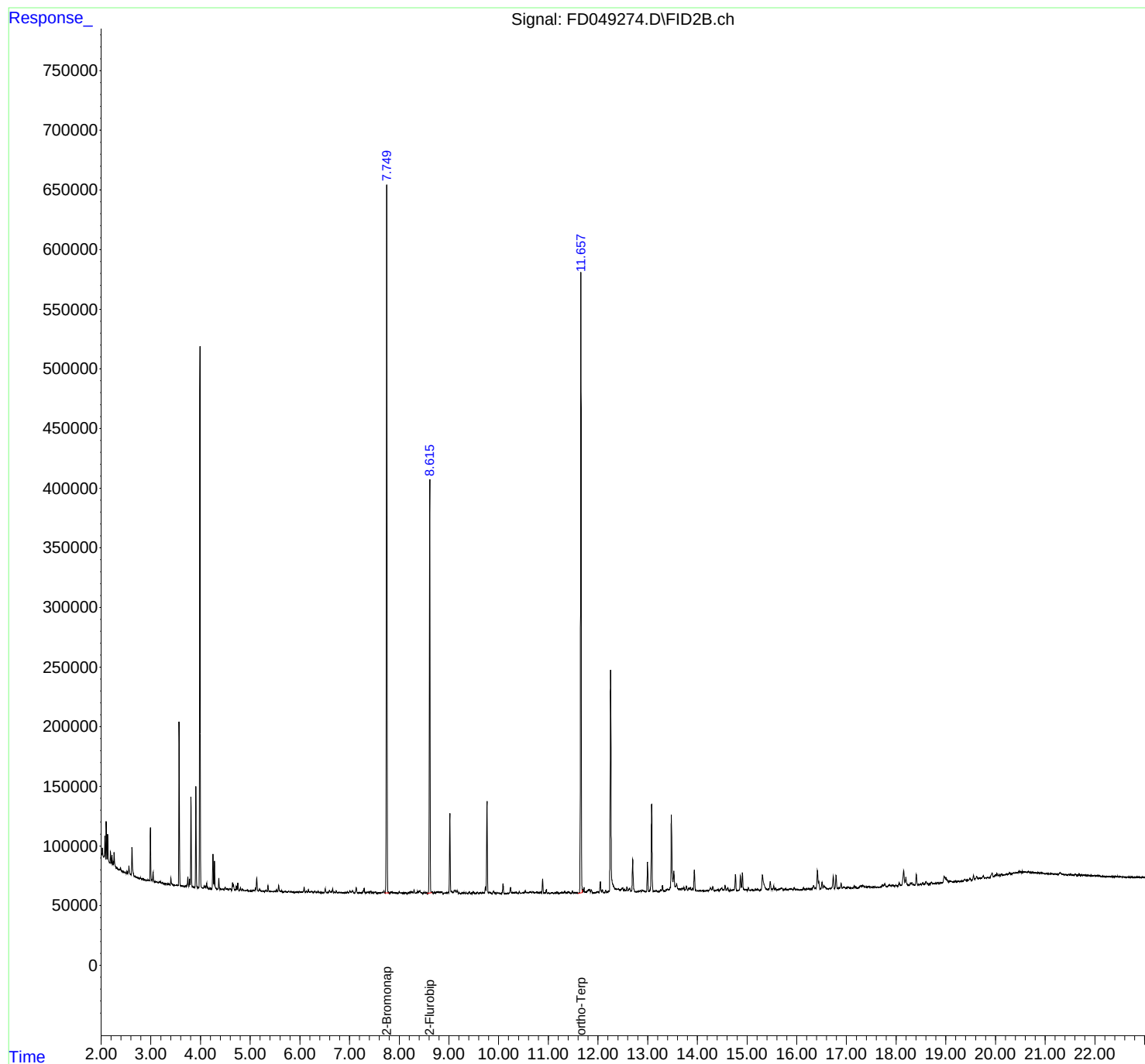
(m)=manual int.

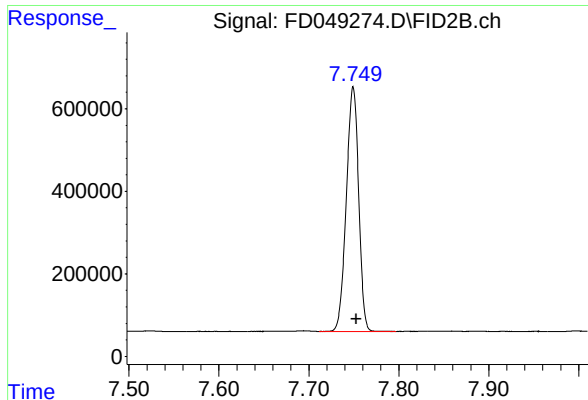
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
Data File : FD049274.D
Signal(s) : FID2B.ch
Acq On : 10 Apr 2025 17:53
Operator : YP/AJ
Sample : Q1746-01
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-149-SB01

Integration File: autoint1.e
Quant Time: Apr 11 01:04:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

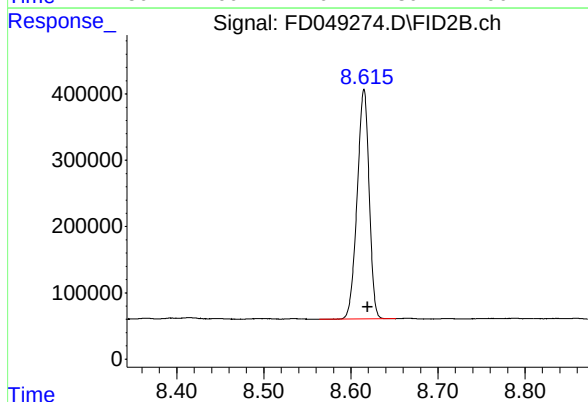




#4 2-Bromonaphthalene (SURR)

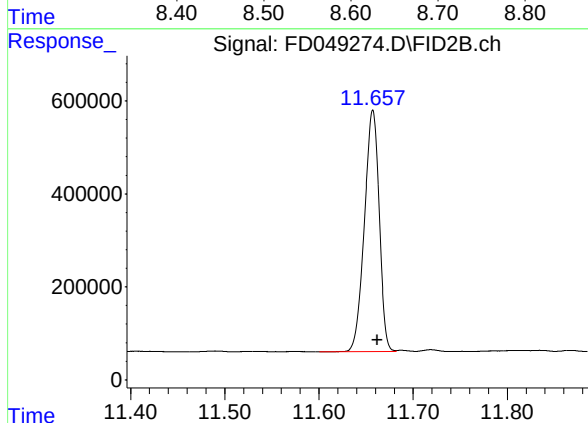
R.T.: 7.749 min
Delta R.T.: -0.003 min
Response: 5645993
Conc: 38.11 ug/ml

Instrument :
FID_D
ClientSampleId :
B-149-SB01



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.615 min
Delta R.T.: -0.004 min
Response: 3309950
Conc: 32.45 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.657 min
Delta R.T.: -0.005 min
Response: 5676156
Conc: 32.22 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049274.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 17:53
 Sample : Q1746-01
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.072	4.042	4.083	BV	2072	15235	0.27%	0.038%
2	4.096	4.083	4.110	VV	1649	16531	0.29%	0.042%
3	4.125	4.110	4.141	VV	4505	40527	0.71%	0.102%
4	4.147	4.141	4.167	VV	814	6154	0.11%	0.015%
5	4.171	4.167	4.180	VV	259	1147	0.02%	0.003%
6	4.192	4.180	4.226	VV	722	8165	0.14%	0.021%
7	4.252	4.226	4.268	PV	29412	318283	5.60%	0.800%
8	4.282	4.268	4.331	VV	23600	228005	4.01%	0.573%
9	4.337	4.331	4.345	VV	400	3080	0.05%	0.008%
10	4.369	4.345	4.386	VV	9571	82736	1.45%	0.208%
11	4.391	4.386	4.428	VV	891	11781	0.21%	0.030%
12	4.435	4.428	4.441	VV	435	3086	0.05%	0.008%
13	4.447	4.441	4.482	VV	542	8677	0.15%	0.022%
14	4.497	4.482	4.514	VV	2623	26241	0.46%	0.066%
15	4.525	4.514	4.530	VV	658	5317	0.09%	0.013%
16	4.540	4.530	4.551	VV	944	9971	0.18%	0.025%
17	4.557	4.551	4.580	VV	822	11316	0.20%	0.028%
18	4.592	4.580	4.604	VV	1348	15399	0.27%	0.039%
19	4.610	4.604	4.630	VV	1222	11781	0.21%	0.030%
20	4.645	4.630	4.656	VV	6377	58859	1.03%	0.148%
21	4.664	4.656	4.690	VV	4752	48668	0.86%	0.122%
22	4.697	4.690	4.705	VV	631	4425	0.08%	0.011%
23	4.721	4.705	4.736	VV	3811	37829	0.67%	0.095%
24	4.751	4.736	4.775	VV	6560	60742	1.07%	0.153%
25	4.805	4.775	4.824	PV	2700	28225	0.50%	0.071%
26	4.840	4.824	4.863	VV	1774	22045	0.39%	0.055%
27	4.869	4.863	4.897	VV	768	10660	0.19%	0.027%
28	4.908	4.897	4.917	VV	387	4134	0.07%	0.010%
29	4.920	4.917	4.925	VV	433	2021	0.04%	0.005%
30	4.938	4.925	4.962	VV	749	11851	0.21%	0.030%
31	4.966	4.962	4.988	VV	367	3151	0.06%	0.008%
32	5.000	4.988	5.014	PV	312	2974	0.05%	0.007%
33	5.019	5.014	5.027	VV	325	1819	0.03%	0.005%
34	5.032	5.027	5.036	VV	234	1272	0.02%	0.003%
35	5.057	5.036	5.083	VV	904	16260	0.29%	0.041%
36	5.106	5.083	5.115	VV	2827	30732	0.54%	0.077%

					rt	Area	%Area	%Area
37	5.132	5.115	5.163	VV	11188	128880	2.27%	0.324%
38	5.189	5.163	5.210	VV	2272	30949	0.54%	0.078%
39	5.214	5.210	5.231	VV	572	5063	0.09%	0.013%
40	5.247	5.231	5.265	VV	776	9557	0.17%	0.024%
41	5.270	5.265	5.287	VV	375	3054	0.05%	0.008%
42	5.322	5.287	5.342	VV	1015	17560	0.31%	0.044%
43	5.358	5.342	5.396	VV	5338	57053	1.00%	0.143%
44	5.403	5.396	5.409	VV	287	2008	0.04%	0.005%
45	5.417	5.409	5.427	VV	344	2733	0.05%	0.007%
46	5.433	5.427	5.463	VV	308	4233	0.07%	0.011%
47	5.497	5.463	5.517	VV	772	12614	0.22%	0.032%
48	5.533	5.517	5.550	VV	1617	18436	0.32%	0.046%
49	5.574	5.550	5.603	VV	5713	70948	1.25%	0.178%
50	5.606	5.603	5.618	VV	856	7036	0.12%	0.018%
51	5.632	5.618	5.658	VV	1215	14208	0.25%	0.036%
52	5.677	5.658	5.685	VV	365	4406	0.08%	0.011%
53	5.697	5.685	5.708	VV	617	7296	0.13%	0.018%
54	5.718	5.708	5.748	VV	654	10794	0.19%	0.027%
55	5.751	5.748	5.755	VV	438	1534	0.03%	0.004%
56	5.776	5.755	5.803	VV	1051	15535	0.27%	0.039%
57	5.826	5.803	5.841	VV	810	10972	0.19%	0.028%
58	5.851	5.841	5.863	VV	451	4789	0.08%	0.012%
59	5.876	5.863	5.894	VV	857	7536	0.13%	0.019%
60	5.909	5.894	5.925	PV	286	3029	0.05%	0.008%
61	5.930	5.925	5.957	VV	414	5771	0.10%	0.015%
62	5.995	5.957	6.008	VV	647	11215	0.20%	0.028%
63	6.012	6.008	6.015	VV	484	1798	0.03%	0.005%
64	6.022	6.015	6.028	VV	577	3294	0.06%	0.008%
65	6.036	6.028	6.046	VV	525	4615	0.08%	0.012%
66	6.061	6.046	6.065	VV	647	5745	0.10%	0.014%
67	6.087	6.065	6.113	VV	4593	53448	0.94%	0.134%
68	6.129	6.113	6.154	VV	1219	16570	0.29%	0.042%
69	6.172	6.154	6.201	VV	2673	30869	0.54%	0.078%
70	6.206	6.201	6.211	VV	473	2360	0.04%	0.006%
71	6.227	6.211	6.248	VV	1010	16419	0.29%	0.041%
72	6.253	6.248	6.266	VV	723	5212	0.09%	0.013%
73	6.303	6.266	6.332	VV	1044	22704	0.40%	0.057%
74	6.341	6.332	6.353	VV	534	5243	0.09%	0.013%
75	6.366	6.353	6.385	VV	1237	14017	0.25%	0.035%
76	6.390	6.385	6.407	VV	484	4005	0.07%	0.010%
77	6.412	6.407	6.427	PV	200	1481	0.03%	0.004%
78	6.442	6.427	6.452	VV	349	3067	0.05%	0.008%
79	6.455	6.452	6.462	VV	239	1222	0.02%	0.003%
80	6.470	6.462	6.488	VV	285	2944	0.05%	0.007%
81	6.511	6.488	6.545	VV	3352	41128	0.72%	0.103%
82	6.552	6.545	6.562	VV	405	3494	0.06%	0.009%
83	6.596	6.562	6.620	VV	2342	35625	0.63%	0.090%
84	6.632	6.620	6.644	VV	1298	13382	0.24%	0.034%
85	6.660	6.644	6.682	VV	3445	36753	0.65%	0.092%
86	6.694	6.682	6.715	VV	856	10435	0.18%	0.026%
87	6.733	6.715	6.758	VV	1829	19795	0.35%	0.050%
88	6.769	6.758	6.784	VV	476	5083	0.09%	0.013%
89	6.798	6.784	6.810	VV	412	4584	0.08%	0.012%

					rt	Area	Height	%Area	%Height
90	6.832	6.810	6.860	VV	429	8671	0.15%	0.022%	
91	6.868	6.860	6.875	VV	364	2123	0.04%	0.005%	
92	6.886	6.875	6.938	VV	438	8994	0.16%	0.023%	
93	6.954	6.938	6.974	VV	1334	13830	0.24%	0.035%	
94	7.007	6.974	7.039	VV	2193	36984	0.65%	0.093%	
95	7.055	7.039	7.064	VV	1917	21887	0.38%	0.055%	
96	7.068	7.064	7.101	VV	1642	13723	0.24%	0.035%	
97	7.135	7.101	7.159	VV	4578	62638	1.10%	0.158%	
98	7.178	7.159	7.187	VV	444	5511	0.10%	0.014%	
99	7.193	7.187	7.201	VV	432	2305	0.04%	0.006%	
100	7.214	7.201	7.226	PV	391	3850	0.07%	0.010%	
101	7.243	7.226	7.252	VV	582	5386	0.09%	0.014%	
102	7.276	7.252	7.281	VV	2044	18614	0.33%	0.047%	
103	7.294	7.281	7.330	VV	4166	49850	0.88%	0.125%	
104	7.364	7.330	7.387	VV	958	20539	0.36%	0.052%	
105	7.400	7.387	7.415	VV	1222	13549	0.24%	0.034%	
106	7.431	7.415	7.453	VV	1919	24914	0.44%	0.063%	
107	7.466	7.453	7.483	VV	902	10272	0.18%	0.026%	
108	7.500	7.483	7.508	VV	896	9166	0.16%	0.023%	
109	7.525	7.508	7.562	VV	1437	18314	0.32%	0.046%	
110	7.586	7.569	7.593	VV	356	3634	0.06%	0.009%	
111	7.596	7.593	7.603	VV	359	1617	0.03%	0.004%	
112	7.612	7.603	7.624	VV	392	3245	0.06%	0.008%	
113	7.637	7.624	7.642	VV	412	2965	0.05%	0.007%	
114	7.662	7.642	7.676	VV	1053	13274	0.23%	0.033%	
115	7.694	7.676	7.718	VV	1879	24231	0.43%	0.061%	
116	7.749	7.718	7.819	VV	592262	5665213	99.60%	14.247%	
117	7.842	7.819	7.850	VV	1098	14730	0.26%	0.037%	
118	7.860	7.850	7.874	VV	1087	11226	0.20%	0.028%	
119	7.886	7.874	7.903	VV	675	9129	0.16%	0.023%	
120	7.916	7.903	7.938	VV	581	7244	0.13%	0.018%	
121	7.952	7.938	7.981	VV	589	5698	0.10%	0.014%	
122	7.996	7.981	8.012	VV	1593	16671	0.29%	0.042%	
123	8.018	8.012	8.045	VV	820	10929	0.19%	0.027%	
124	8.057	8.045	8.070	VV	408	3798	0.07%	0.010%	
125	8.090	8.070	8.105	VV	628	9187	0.16%	0.023%	
126	8.115	8.105	8.168	VV	680	13804	0.24%	0.035%	
127	8.201	8.168	8.218	VV	909	15512	0.27%	0.039%	
128	8.233	8.218	8.248	VV	1897	20722	0.36%	0.052%	
129	8.259	8.248	8.280	VV	1380	16427	0.29%	0.041%	
130	8.300	8.280	8.326	VV	3131	39300	0.69%	0.099%	
131	8.335	8.326	8.343	VV	485	4004	0.07%	0.010%	
132	8.366	8.343	8.377	VV	1580	18005	0.32%	0.045%	
133	8.393	8.377	8.403	VV	1735	20418	0.36%	0.051%	
134	8.414	8.403	8.435	VV	2487	33115	0.58%	0.083%	
135	8.448	8.435	8.475	VV	993	14637	0.26%	0.037%	
136	8.494	8.475	8.499	VV	930	9568	0.17%	0.024%	
137	8.502	8.499	8.519	VV	905	8003	0.14%	0.020%	
138	8.534	8.519	8.570	VV	930	12917	0.23%	0.032%	
139	8.615	8.570	8.652	VV	346945	3335229	58.64%	8.388%	
140	8.666	8.652	8.692	VV	1624	23777	0.42%	0.060%	
141	8.714	8.692	8.724	VV	1087	14848	0.26%	0.037%	

					rteres			
142	8.759	8.724	8.770	VV	1323	26898	0.47%	0.068%
143	8.790	8.770	8.800	VV	1550	22662	0.40%	0.057%
144	8.809	8.800	8.822	VV	1241	14056	0.25%	0.035%
145	8.837	8.822	8.846	VV	1361	17413	0.31%	0.044%
146	8.858	8.846	8.878	VV	1528	18980	0.33%	0.048%
147	8.886	8.878	8.892	VV	231	1616	0.03%	0.004%
148	8.902	8.892	8.914	VV	687	6696	0.12%	0.017%
149	8.922	8.914	8.932	VV	502	4303	0.08%	0.011%
150	8.951	8.932	8.968	VV	936	13754	0.24%	0.035%
151	8.982	8.968	8.996	VV	1533	15978	0.28%	0.040%
152	9.020	8.996	9.045	VV	67248	660081	11.60%	1.660%
153	9.053	9.045	9.069	VV	2204	25589	0.45%	0.064%
154	9.075	9.069	9.088	VV	1559	13439	0.24%	0.034%
155	9.109	9.088	9.126	VV	2796	46117	0.81%	0.116%
156	9.139	9.126	9.165	VV	2886	49551	0.87%	0.125%
157	9.174	9.165	9.192	VV	1926	20615	0.36%	0.052%
158	9.206	9.192	9.229	VV	791	9918	0.17%	0.025%
159	9.272	9.242	9.289	VV	928	15083	0.27%	0.038%
160	9.306	9.289	9.325	VV	1078	13756	0.24%	0.035%
161	9.344	9.325	9.373	VV	1070	15151	0.27%	0.038%
162	9.408	9.373	9.438	VV	1301	24439	0.43%	0.061%
163	9.448	9.438	9.463	VV	532	5658	0.10%	0.014%
164	9.489	9.463	9.532	VV	1582	28546	0.50%	0.072%
165	9.570	9.532	9.607	VV	1398	26727	0.47%	0.067%
166	9.620	9.607	9.637	VV	890	11160	0.20%	0.028%
167	9.643	9.637	9.657	VV	697	5954	0.10%	0.015%
168	9.675	9.657	9.688	VV	898	11781	0.21%	0.030%
169	9.698	9.688	9.711	VV	715	8139	0.14%	0.020%
170	9.736	9.711	9.747	VV	5884	64248	1.13%	0.162%
171	9.767	9.747	9.799	VV	77589	780818	13.73%	1.964%
172	9.812	9.799	9.854	VV	1298	23771	0.42%	0.060%
173	9.858	9.854	9.873	VV	329	2395	0.04%	0.006%
174	9.896	9.873	9.930	VV	2169	35046	0.62%	0.088%
175	9.937	9.930	9.950	VV	380	3713	0.07%	0.009%
176	9.973	9.950	9.993	VV	885	14996	0.26%	0.038%
177	10.008	9.993	10.032	VV	577	8398	0.15%	0.021%
178	10.047	10.032	10.053	VV	289	2241	0.04%	0.006%
179	10.090	10.053	10.132	VV	8427	98012	1.72%	0.246%
180	10.136	10.132	10.140	VV	224	1013	0.02%	0.003%
181	10.146	10.140	10.160	VV	242	1945	0.03%	0.005%
182	10.176	10.160	10.188	VV	394	3812	0.07%	0.010%
183	10.239	10.188	10.271	VV	5117	70274	1.24%	0.177%
184	10.287	10.271	10.312	VV	1021	16545	0.29%	0.042%
185	10.322	10.312	10.328	VV	913	7747	0.14%	0.019%
186	10.335	10.328	10.346	VV	970	9254	0.16%	0.023%
187	10.365	10.346	10.396	VV	1059	20576	0.36%	0.052%
188	10.419	10.396	10.439	VV	1738	24762	0.44%	0.062%
189	10.448	10.439	10.457	VV	622	4630	0.08%	0.012%
190	10.486	10.457	10.504	VV	959	19563	0.34%	0.049%
191	10.538	10.504	10.553	VV	2316	35485	0.62%	0.089%
192	10.559	10.553	10.572	VV	916	9338	0.16%	0.023%
193	10.587	10.572	10.603	VV	880	13696	0.24%	0.034%
194	10.630	10.603	10.640	VV	1334	22915	0.40%	0.058%

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195	10.653	10.640	10.669	VV	1733	19955	0.35%	0.050%
196	10.688	10.669	10.726	VV	1605	35697	0.63%	0.090%
197	10.763	10.726	10.800	VV	1308	38675	0.68%	0.097%
198	10.823	10.800	10.838	VV	927	14304	0.25%	0.036%
199	10.855	10.838	10.867	VV	1384	16648	0.29%	0.042%
200	10.888	10.867	10.931	VV	12338	134849	2.37%	0.339%
201	10.960	10.931	10.991	VV	3079	41887	0.74%	0.105%
202	11.000	10.991	11.037	VV	642	9043	0.16%	0.023%
203	11.063	11.037	11.068	PV	695	8184	0.14%	0.021%
204	11.078	11.068	11.102	VV	999	12429	0.22%	0.031%
205	11.134	11.102	11.151	VV	418	8562	0.15%	0.022%
206	11.171	11.151	11.219	VV	1439	24604	0.43%	0.062%
207	11.232	11.219	11.242	VV	348	3278	0.06%	0.008%
208	11.264	11.242	11.292	VV	1009	19291	0.34%	0.049%
209	11.296	11.292	11.302	VV	606	3428	0.06%	0.009%
210	11.331	11.302	11.358	VV	2096	31523	0.55%	0.079%
211	11.379	11.358	11.385	VV	832	8168	0.14%	0.021%
212	11.406	11.385	11.448	VV	1255	32241	0.57%	0.081%
213	11.454	11.448	11.464	VV	214	1816	0.03%	0.005%
214	11.490	11.464	11.510	VV	1858	24837	0.44%	0.062%
215	11.538	11.510	11.549	VV	759	12968	0.23%	0.033%
216	11.574	11.549	11.596	VV	708	10991	0.19%	0.028%
217	11.657	11.596	11.682	PV	520080	5687952	100.00%	14.304%
218	11.687	11.682	11.702	VV	3369	28781	0.51%	0.072%
219	11.719	11.702	11.739	VV	4683	55059	0.97%	0.138%
220	11.747	11.739	11.767	VV	979	14240	0.25%	0.036%
221	11.785	11.767	11.790	VV	1839	20289	0.36%	0.051%
222	11.814	11.790	11.825	VV	2901	51907	0.91%	0.131%
223	11.835	11.825	11.852	VV	3052	35792	0.63%	0.090%
224	11.867	11.852	11.897	VV	2949	37929	0.67%	0.095%
225	11.908	11.897	11.925	VV	410	4099	0.07%	0.010%
226	11.936	11.925	11.947	VV	361	3474	0.06%	0.009%
227	11.996	11.947	12.016	VV	1389	29009	0.51%	0.073%
228	12.048	12.016	12.073	VV	9646	128401	2.26%	0.323%
229	12.089	12.073	12.113	VV	2650	33597	0.59%	0.084%
230	12.157	12.113	12.175	VV	2359	33872	0.60%	0.085%
231	12.219	12.175	12.226	VV	1551	33344	0.59%	0.084%
232	12.254	12.226	12.354	VV	186615	2490379	43.78%	6.263%
233	12.360	12.354	12.378	VV	3349	46128	0.81%	0.116%
234	12.385	12.378	12.393	VV	2930	25177	0.44%	0.063%
235	12.407	12.393	12.419	VV	3212	46232	0.81%	0.116%
236	12.425	12.419	12.457	VV	2773	53865	0.95%	0.135%
237	12.496	12.457	12.517	VV	4100	108288	1.90%	0.272%
238	12.532	12.517	12.559	VV	2990	51937	0.91%	0.131%
239	12.582	12.559	12.603	VV	4723	78878	1.39%	0.198%
240	12.637	12.603	12.672	VV	3691	95077	1.67%	0.239%
241	12.698	12.672	12.748	VV	27939	358660	6.31%	0.902%
242	12.759	12.748	12.783	VV	725	13181	0.23%	0.033%
243	12.794	12.783	12.809	VV	859	11025	0.19%	0.028%
244	12.834	12.809	12.844	VV	1281	19402	0.34%	0.049%
245	12.857	12.844	12.872	VV	1431	18786	0.33%	0.047%
246	12.892	12.872	12.968	VV	2015	64638	1.14%	0.163%

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247	12.996	12.968	13.023	VV	25481	281723	4.95%	0.708%
248	13.080	13.023	13.114	VV	73687	899044	15.81%	2.261%
249	13.137	13.114	13.152	VV	1110	19480	0.34%	0.049%
250	13.169	13.152	13.190	VV	1608	24089	0.42%	0.061%
251	13.202	13.190	13.221	VV	597	8053	0.14%	0.020%
252	13.263	13.221	13.275	VV	1969	33187	0.58%	0.083%
253	13.298	13.275	13.317	VV	5452	73324	1.29%	0.184%
254	13.324	13.317	13.346	VV	1368	16758	0.29%	0.042%
255	13.393	13.346	13.410	VV	2638	62303	1.10%	0.157%
256	13.420	13.410	13.434	VV	2296	29830	0.52%	0.075%
257	13.477	13.434	13.509	VV	64634	865807	15.22%	2.177%
258	13.526	13.509	13.564	VV	17575	310446	5.46%	0.781%
259	13.581	13.564	13.631	VV	7018	159076	2.80%	0.400%
260	13.651	13.631	13.668	VV	2576	48446	0.85%	0.122%
261	13.693	13.668	13.712	VV	3184	65938	1.16%	0.166%
262	13.729	13.712	13.751	VV	3711	59143	1.04%	0.149%
263	13.780	13.751	13.805	VV	4641	85431	1.50%	0.215%
264	13.827	13.805	13.844	VV	3029	53659	0.94%	0.135%
265	13.859	13.844	13.879	VV	3456	50181	0.88%	0.126%
266	13.899	13.879	13.913	VV	2989	41752	0.73%	0.105%
267	13.938	13.913	13.992	VV	18509	246580	4.34%	0.620%
268	14.008	13.992	14.018	VV	634	8455	0.15%	0.021%
269	14.036	14.018	14.055	VV	808	13494	0.24%	0.034%
270	14.065	14.055	14.100	VV	812	15910	0.28%	0.040%
271	14.104	14.100	14.133	VV	599	8735	0.15%	0.022%
272	14.143	14.133	14.148	VV	459	3279	0.06%	0.008%
273	14.169	14.148	14.188	VV	790	12367	0.22%	0.031%
274	14.197	14.188	14.212	VV	563	6252	0.11%	0.016%
275	14.265	14.212	14.290	VV	3046	70686	1.24%	0.178%
276	14.311	14.290	14.347	VV	4030	62129	1.09%	0.156%
277	14.365	14.347	14.374	VV	679	9174	0.16%	0.023%
278	14.391	14.374	14.405	VV	1185	16729	0.29%	0.042%
279	14.419	14.405	14.445	VV	1131	19996	0.35%	0.050%
280	14.492	14.445	14.511	VV	2729	63547	1.12%	0.160%
281	14.516	14.511	14.535	VV	1017	13621	0.24%	0.034%
282	14.557	14.535	14.577	VV	4876	61864	1.09%	0.156%
283	14.612	14.577	14.643	VV	2907	54298	0.95%	0.137%
284	14.658	14.643	14.683	VV	956	12834	0.23%	0.032%
285	14.689	14.683	14.694	VV	759	4270	0.08%	0.011%
286	14.765	14.694	14.810	VV	13754	197940	3.48%	0.498%
287	14.818	14.810	14.835	VV	673	7882	0.14%	0.020%
288	14.864	14.835	14.883	VV	12834	160325	2.82%	0.403%
289	14.905	14.883	14.943	VV	15115	213570	3.75%	0.537%
290	14.956	14.943	14.962	VV	1090	11450	0.20%	0.029%
291	14.970	14.962	14.992	VV	1187	15156	0.27%	0.038%
292	14.995	14.992	15.002	VV	574	3217	0.06%	0.008%
293	15.027	15.002	15.051	VV	2505	38102	0.67%	0.096%
294	15.074	15.051	15.082	VV	524	7723	0.14%	0.019%
295	15.102	15.082	15.138	VV	1046	18467	0.32%	0.046%
296	15.162	15.138	15.193	VV	1142	24542	0.43%	0.062%
297	15.204	15.193	15.213	VV	1133	11793	0.21%	0.030%
298	15.221	15.213	15.260	VV	894	13974	0.25%	0.035%
299	15.308	15.260	15.417	VV	13038	353672	6.22%	0.889%

					rt	Area	Area%	Height%
300	15.422	15.417	15.426	VV	758	3809	0.07%	0.010%
301	15.465	15.426	15.513	VV	7511	130970	2.30%	0.329%
302	15.535	15.513	15.557	VV	3919	52190	0.92%	0.131%
303	15.572	15.557	15.605	VV	2025	29946	0.53%	0.075%
304	15.620	15.605	15.628	VV	685	8344	0.15%	0.021%
305	15.649	15.628	15.662	VV	1049	17352	0.31%	0.044%
306	15.679	15.662	15.685	VV	1756	18801	0.33%	0.047%
307	15.695	15.685	15.726	VV	1995	33357	0.59%	0.084%
308	15.732	15.726	15.741	VV	467	3929	0.07%	0.010%
309	15.774	15.741	15.798	VV	1371	24322	0.43%	0.061%
310	15.814	15.798	15.819	VV	569	6024	0.11%	0.015%
311	15.823	15.819	15.828	VV	576	2462	0.04%	0.006%
312	15.857	15.828	15.872	VV	1197	22291	0.39%	0.056%
313	15.882	15.872	15.897	VV	1070	14216	0.25%	0.036%
314	15.905	15.897	15.919	VV	868	8988	0.16%	0.023%
315	15.947	15.919	15.986	VV	1986	38818	0.68%	0.098%
316	16.004	15.986	16.032	VV	774	13178	0.23%	0.033%
317	16.037	16.032	16.055	VV	260	1853	0.03%	0.005%
318	16.060	16.055	16.084	VV	245	2580	0.05%	0.006%
319	16.090	16.084	16.100	VV	206	1192	0.02%	0.003%
320	16.138	16.100	16.159	PV	1489	24078	0.42%	0.061%
321	16.169	16.159	16.185	VV	623	6579	0.12%	0.017%
322	16.200	16.185	16.217	VV	810	11597	0.20%	0.029%
323	16.243	16.217	16.265	VV	960	20394	0.36%	0.051%
324	16.281	16.265	16.291	VV	720	8807	0.15%	0.022%
325	16.301	16.291	16.305	VV	646	4474	0.08%	0.011%
326	16.339	16.305	16.372	VV	3474	70585	1.24%	0.178%
327	16.415	16.372	16.434	VV	15901	239191	4.21%	0.602%
328	16.443	16.434	16.475	VV	6620	74189	1.30%	0.187%
329	16.507	16.475	16.528	VV	6107	84646	1.49%	0.213%
330	16.546	16.528	16.602	VV	3256	73912	1.30%	0.186%
331	16.608	16.602	16.636	VV	692	8080	0.14%	0.020%
332	16.642	16.636	16.647	VV	354	1649	0.03%	0.004%
333	16.666	16.647	16.677	VV	697	7842	0.14%	0.020%
334	16.734	16.677	16.763	VV	10657	164918	2.90%	0.415%
335	16.791	16.763	16.836	VV	11193	147447	2.59%	0.371%
336	16.858	16.836	16.865	VV	1042	10594	0.19%	0.027%
337	16.892	16.865	16.921	VV	4446	65380	1.15%	0.164%
338	16.940	16.921	16.956	VV	1570	22064	0.39%	0.055%
339	16.964	16.956	16.992	VV	1091	13781	0.24%	0.035%
340	17.039	16.992	17.082	VV	1204	33769	0.59%	0.085%
341	17.100	17.082	17.117	VV	546	6218	0.11%	0.016%
342	17.158	17.117	17.179	PV	1552	31304	0.55%	0.079%
343	17.188	17.179	17.219	VV	827	12516	0.22%	0.031%
344	17.290	17.237	17.305	VV	2052	47970	0.84%	0.121%
345	17.335	17.305	17.363	VV	2074	49156	0.86%	0.124%
346	17.374	17.363	17.397	VV	1050	16060	0.28%	0.040%
347	17.408	17.397	17.413	VV	772	6397	0.11%	0.016%
348	17.421	17.413	17.429	VV	684	6105	0.11%	0.015%
349	17.444	17.429	17.471	VV	1106	19989	0.35%	0.050%
350	17.492	17.471	17.513	VV	689	10949	0.19%	0.028%
351	17.519	17.513	17.539	VV	401	4815	0.08%	0.012%

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352	17.564	17.539	17.600	VV	512	11178	0.20%	0.028%
353	17.630	17.613	17.645	VV	342	3352	0.06%	0.008%
354	17.665	17.645	17.671	PV	187	1038	0.02%	0.003%
355	17.679	17.671	17.686	VV	232	1563	0.03%	0.004%
356	17.729	17.686	17.747	VV	1531	32977	0.58%	0.083%
357	17.773	17.747	17.802	VV	2590	50629	0.89%	0.127%
358	17.863	17.802	17.900	VV	1646	48489	0.85%	0.122%
359	17.919	17.900	17.935	VV	1438	20125	0.35%	0.051%
360	17.948	17.935	17.974	VV	980	16337	0.29%	0.041%
361	17.996	17.974	18.028	VV	1096	19988	0.35%	0.050%
362	18.062	18.028	18.083	VV	2611	43707	0.77%	0.110%
363	18.089	18.083	18.112	VV	969	14711	0.26%	0.037%
364	18.151	18.112	18.175	VV	13238	249905	4.39%	0.628%
365	18.197	18.175	18.232	VV	7022	115621	2.03%	0.291%
366	18.237	18.232	18.259	VV	1342	13717	0.24%	0.034%
367	18.287	18.259	18.301	VV	2548	38583	0.68%	0.097%
368	18.316	18.301	18.343	VV	2701	41959	0.74%	0.106%
369	18.349	18.343	18.365	VV	869	8647	0.15%	0.022%
370	18.406	18.365	18.433	VV	9265	121837	2.14%	0.306%
371	18.455	18.433	18.465	VV	785	11837	0.21%	0.030%
372	18.491	18.465	18.504	VV	1124	19807	0.35%	0.050%
373	18.535	18.504	18.557	VV	2197	40176	0.71%	0.101%
374	18.603	18.557	18.657	VV	2903	81250	1.43%	0.204%
375	18.663	18.657	18.678	VV	565	5592	0.10%	0.014%
376	18.707	18.678	18.737	VV	2184	47341	0.83%	0.119%
377	18.745	18.737	18.758	VV	1099	12815	0.23%	0.032%
378	18.767	18.758	18.777	VV	954	9856	0.17%	0.025%
379	18.779	18.777	18.787	VV	932	5160	0.09%	0.013%
380	18.794	18.787	18.798	VV	990	6191	0.11%	0.016%
381	18.835	18.798	18.855	VV	1365	37089	0.65%	0.093%
382	18.860	18.855	18.867	VV	1043	6999	0.12%	0.018%
383	18.874	18.867	18.882	VV	1067	8659	0.15%	0.022%
384	18.897	18.882	18.906	VV	1180	15738	0.28%	0.040%
385	18.916	18.906	18.926	VV	1418	14432	0.25%	0.036%
386	18.966	18.926	18.992	VV	6629	159580	2.81%	0.401%
387	18.996	18.992	19.060	VV	5055	135916	2.39%	0.342%
388	19.095	19.060	19.130	VV	2342	86030	1.51%	0.216%
389	19.141	19.130	19.156	VV	1756	25303	0.44%	0.064%
390	19.185	19.156	19.193	VV	2019	39017	0.69%	0.098%
391	19.197	19.193	19.220	VV	2104	26928	0.47%	0.068%
392	19.250	19.220	19.278	VV	2077	61046	1.07%	0.154%
393	19.294	19.278	19.301	VV	2011	24175	0.43%	0.061%
394	19.306	19.301	19.311	VV	1777	10161	0.18%	0.026%
395	19.324	19.311	19.328	VV	1857	18368	0.32%	0.046%
396	19.337	19.328	19.347	VV	1873	19393	0.34%	0.049%
397	19.381	19.347	19.406	VV	3522	90907	1.60%	0.229%
398	19.428	19.406	19.435	VV	2363	39666	0.70%	0.100%
399	19.444	19.435	19.448	VV	2338	17497	0.31%	0.044%
400	19.489	19.448	19.522	VV	3994	124520	2.19%	0.313%
401	19.558	19.522	19.582	VV	6117	137590	2.42%	0.346%
402	19.620	19.582	19.653	VV	5246	164896	2.90%	0.415%
403	19.676	19.653	19.698	VV	3790	95024	1.67%	0.239%
404	19.714	19.698	19.727	VV	3755	60247	1.06%	0.152%

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405	19.754	19.727	19.778	VV	5458	138049	2.43%	0.347%
406	19.801	19.778	19.818	VV	3743	82950	1.46%	0.209%
407	19.837	19.818	19.864	VV	3996	104014	1.83%	0.262%
408	19.869	19.864	19.874	VV	3663	22881	0.40%	0.058%
409	19.932	19.874	19.960	VV	7517	269115	4.73%	0.677%
410	20.029	19.960	20.056	VV	7005	313616	5.51%	0.789%
411	20.070	20.056	20.090	VV	5409	103528	1.82%	0.260%
412	20.120	20.090	20.142	VV	6161	173181	3.04%	0.436%
413	20.223	20.142	20.230	VV	5834	290386	5.11%	0.730%
414	20.283	20.230	20.315	VV	7215	311323	5.47%	0.783%
415	20.364	20.315	20.369	VV	6537	198605	3.49%	0.499%
416	20.372	20.369	20.381	VV	6468	44630	0.78%	0.112%
417	20.386	20.381	20.403	VV	6634	88682	1.56%	0.223%
418	20.416	20.403	20.427	VV	6759	91902	1.62%	0.231%
419	20.470	20.427	20.526	VV	7558	419802	7.38%	1.056%
420	20.535	20.526	20.551	VV	7126	104166	1.83%	0.262%
421	20.567	20.551	20.592	VV	7021	171323	3.01%	0.431%
422	20.607	20.592	20.627	VV	6879	142947	2.51%	0.359%
423	20.656	20.627	20.695	VV	7118	274016	4.82%	0.689%
424	20.703	20.695	20.723	VV	6377	104943	1.84%	0.264%
425	20.729	20.723	20.763	VV	6281	147170	2.59%	0.370%
426	20.771	20.763	20.808	VV	6170	160192	2.82%	0.403%
427	20.810	20.808	20.825	VV	5888	56469	0.99%	0.142%
428	20.861	20.825	20.888	VV	5965	217177	3.82%	0.546%
429	20.906	20.888	20.910	VV	5401	67194	1.18%	0.169%
430	20.922	20.910	20.932	VV	5670	73802	1.30%	0.186%
431	20.935	20.932	20.946	VV	5552	45714	0.80%	0.115%
432	20.950	20.946	20.955	VV	5263	28713	0.50%	0.072%
433	20.958	20.955	20.992	VV	5255	109611	1.93%	0.276%
434	20.997	20.992	21.015	VV	4772	63575	1.12%	0.160%
435	21.022	21.015	21.032	VV	4768	46719	0.82%	0.117%
436	21.038	21.032	21.059	VV	4693	74774	1.31%	0.188%
437	21.062	21.059	21.077	VV	4476	46875	0.82%	0.118%
438	21.082	21.077	21.088	VV	4277	27685	0.49%	0.070%
439	21.098	21.088	21.103	VV	4394	39957	0.70%	0.100%
440	21.107	21.103	21.110	VV	4345	17591	0.31%	0.044%
441	21.138	21.110	21.172	VV	4503	158382	2.78%	0.398%
442	21.179	21.172	21.189	VV	4098	41861	0.74%	0.105%
443	21.196	21.189	21.202	VV	4050	29276	0.51%	0.074%
444	21.225	21.202	21.231	VV	4063	69506	1.22%	0.175%
445	21.234	21.231	21.241	VV	3880	22455	0.39%	0.056%
446	21.252	21.241	21.258	VV	3675	37664	0.66%	0.095%
447	21.309	21.258	21.330	VV	4801	181512	3.19%	0.456%
448	21.344	21.330	21.349	VV	3799	43136	0.76%	0.108%
449	21.354	21.349	21.379	VV	3677	62059	1.09%	0.156%
450	21.383	21.379	21.400	VV	3288	40297	0.71%	0.101%
451	21.403	21.400	21.420	VV	3107	36158	0.64%	0.091%
452	21.434	21.420	21.438	VV	2952	31451	0.55%	0.079%
453	21.443	21.438	21.456	VV	2979	30854	0.54%	0.078%
454	21.472	21.456	21.501	VV	3079	75646	1.33%	0.190%
455	21.519	21.501	21.551	VV	2977	81303	1.43%	0.204%
456	21.561	21.551	21.568	VV	2419	23479	0.41%	0.059%

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457	21.608	21.568	21.642	VV	3016	109432	1.92%	0.275%	
458	21.682	21.642	21.712	VV	3027	95678	1.68%	0.241%	
459	21.733	21.712	21.757	VV	2160	51866	0.91%	0.130%	
460	21.761	21.757	21.764	VV	1928	7637	0.13%	0.019%	
461	21.784	21.764	21.831	VV	2043	72940	1.28%	0.183%	
462	21.834	21.831	21.854	VV	1814	23200	0.41%	0.058%	
463	21.872	21.854	21.880	VV	1449	21527	0.38%	0.054%	
464	21.887	21.880	21.900	VV	1535	16455	0.29%	0.041%	
465	21.903	21.900	21.915	VV	1430	11559	0.20%	0.029%	
466	21.929	21.915	21.954	VV	1511	28695	0.50%	0.072%	
467	21.970	21.954	21.975	VV	1174	13498	0.24%	0.034%	
468	21.980	21.975	21.987	VV	1117	8000	0.14%	0.020%	
469	21.990	21.987	22.015	VV	1185	16588	0.29%	0.042%	
470	22.032	22.015	22.055	VV	1056	22012	0.39%	0.055%	
471	22.064	22.055	22.121	VV	842	20326	0.36%	0.051%	
472	22.144	22.121	22.170	PV	400	5134	0.09%	0.013%	
					Sum of corrected areas:		39764044		

Aromatic EPH 040725.M Fri Apr 11 01:40:40 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068569.D
Signal(s) : FID1A.ch
Acq On : 11 Apr 2025 03:09
Operator : YP/AJ
Sample : Q1746-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-149-SB02

Integration File: autoint1.e
Quant Time: Apr 11 04:38:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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			
12) S 1-chlorooctadecane (S...	13.150	5440453	58.566 ug/ml
Spiked Amount	50.000	Recovery	= 117.13%

Target Compounds

(f)=RT Delta > 1/2 Window

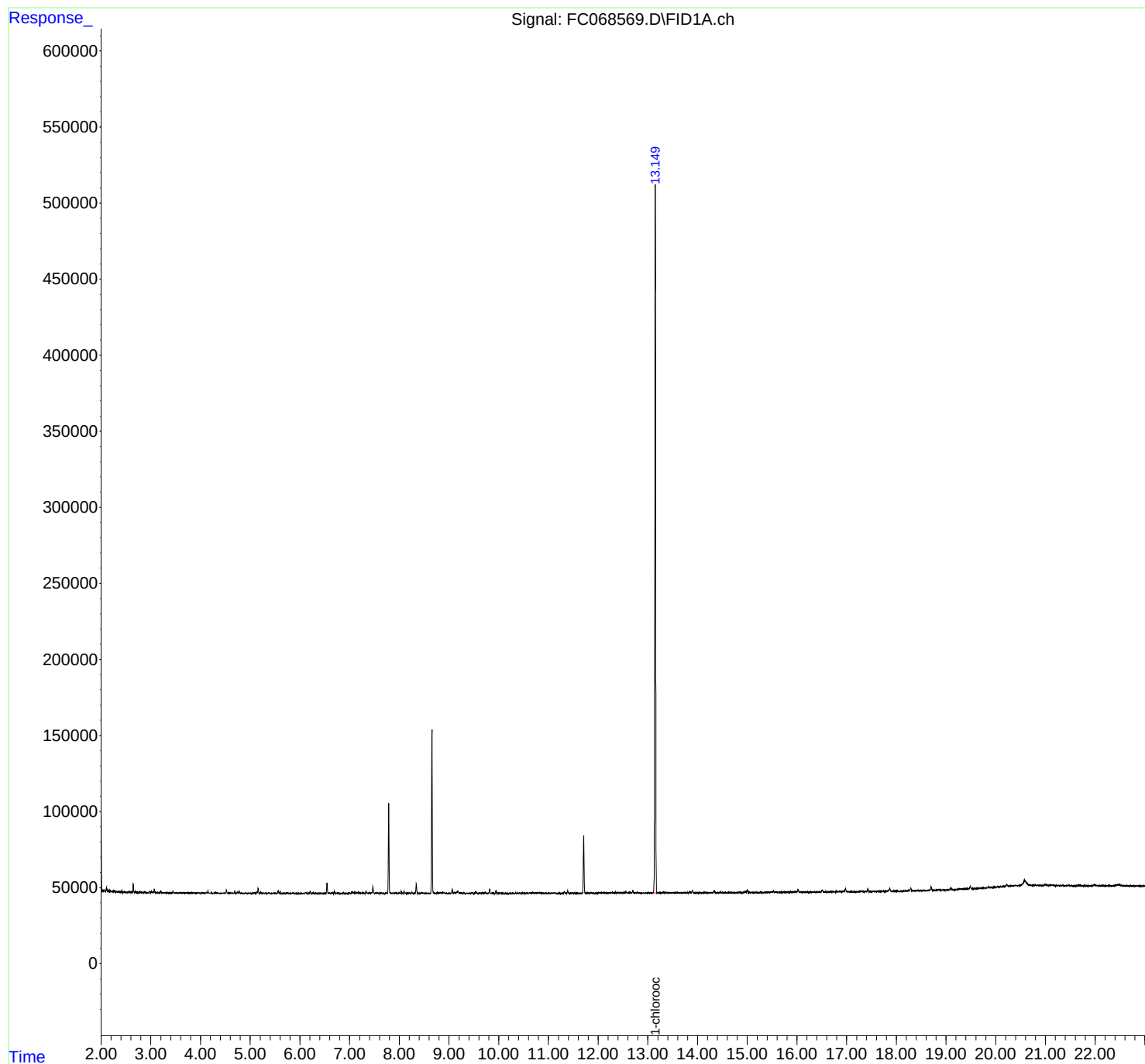
(m)=manual int.

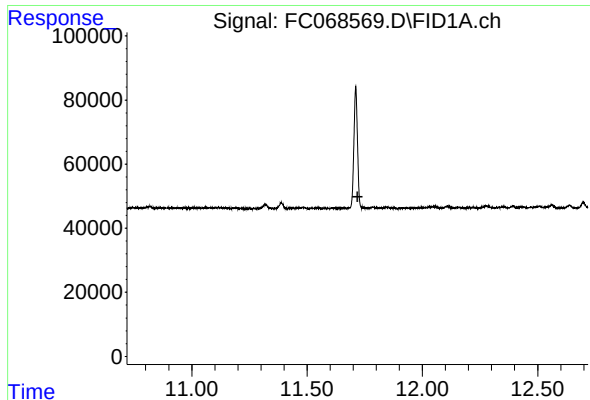
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068569.D
Signal(s) : FID1A.ch
Acq On : 11 Apr 2025 03:09
Operator : YP/AJ
Sample : Q1746-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-149-SB02

Integration File: autoint1.e
Quant Time: Apr 11 04:38:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

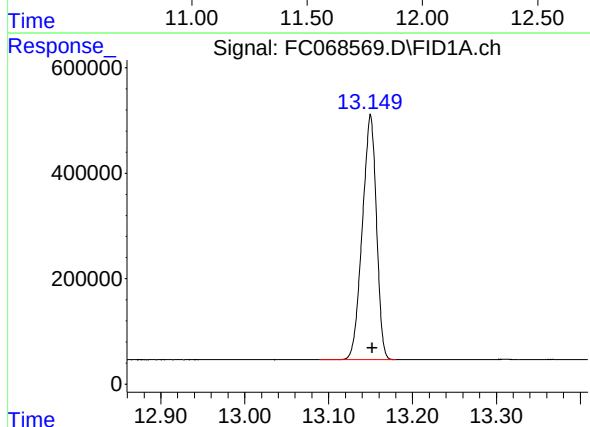




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.719 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-149-SB02



#12 1-chlorooctadecane (SURR)

R.T.: 13.150 min
Delta R.T.: -0.002 min
Response: 5440453
Conc: 58.57 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068569.D
 Signal(s) : FID1A.ch
 Acq On : 11 Apr 2025 03:09
 Sample : Q1746-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	2.417	2.355	2.491	BV	873	7772	0.14%	0.064%
2	2.571	2.491	2.625	PV	455	7476	0.14%	0.061%
3	2.647	2.625	2.667	VV	5510	43044	0.79%	0.352%
4	2.683	2.667	2.760	VV	636	8838	0.16%	0.072%
5	2.777	2.760	2.793	VV	221	1783	0.03%	0.015%
6	2.814	2.793	2.863	VV	286	3795	0.07%	0.031%
7	2.879	2.863	2.951	VV	230	3681	0.07%	0.030%
8	2.969	2.951	2.999	VV	928	12466	0.23%	0.102%
9	3.018	2.999	3.051	VV	864	9136	0.17%	0.075%
10	3.070	3.051	3.112	VV	2307	21309	0.39%	0.174%
11	3.152	3.112	3.170	VV	211	3380	0.06%	0.028%
12	3.198	3.170	3.241	VV	661	9102	0.17%	0.075%
13	3.270	3.241	3.282	VV	149	2163	0.04%	0.018%
14	3.294	3.282	3.333	VV	102	2103	0.04%	0.017%
15	3.346	3.333	3.368	VV	103	998	0.02%	0.008%
16	3.374	3.368	3.389	PV	130	654	0.01%	0.005%
17	3.413	3.389	3.425	VV	131	1384	0.03%	0.011%
18	3.447	3.425	3.527	VV	930	11511	0.21%	0.094%
19	3.550	3.527	3.576	PV	153	1787	0.03%	0.015%
20	3.600	3.576	3.618	VV	517	5058	0.09%	0.041%
21	3.651	3.618	3.677	VV	203	3749	0.07%	0.031%
22	3.688	3.677	3.699	VV	83	922	0.02%	0.008%
23	3.727	3.699	3.745	VV	276	3385	0.06%	0.028%
24	3.773	3.745	3.801	VV	329	5608	0.10%	0.046%
25	3.823	3.801	3.853	VV	345	5188	0.10%	0.042%
26	3.860	3.853	3.879	VV	124	1052	0.02%	0.009%
27	3.893	3.879	3.930	VV	94	1319	0.02%	0.011%
28	3.947	3.930	3.988	VV	170	3245	0.06%	0.027%
29	4.018	3.988	4.083	VV	233	6268	0.11%	0.051%
30	4.121	4.083	4.133	VV	587	7022	0.13%	0.057%
31	4.149	4.133	4.169	VV	1358	12359	0.23%	0.101%
32	4.217	4.169	4.251	VV	410	5437	0.10%	0.045%
33	4.297	4.251	4.318	VV	779	11849	0.22%	0.097%
34	4.331	4.318	4.388	VV	206	4598	0.08%	0.038%
35	4.401	4.388	4.497	VV	120	5883	0.11%	0.048%
36	4.522	4.497	4.545	VV	2280	22526	0.41%	0.184%

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37	4.567	4.545	4.581	VV	283	3825	0.07%	0.031%	
38	4.637	4.581	4.656	VV	284	7129	0.13%	0.058%	
39	4.691	4.656	4.714	VV	1117	13822	0.25%	0.113%	
40	4.747	4.714	4.761	VV	1040	12742	0.23%	0.104%	
41	4.777	4.761	4.797	VV	1667	16301	0.30%	0.133%	
42	4.808	4.797	4.874	VV	186	5107	0.09%	0.042%	
43	4.897	4.874	4.924	VV	296	5264	0.10%	0.043%	
44	4.936	4.924	4.958	VV	206	2331	0.04%	0.019%	
45	4.968	4.958	4.990	VV	156	1321	0.02%	0.011%	
46	5.002	4.990	5.022	PV	136	1285	0.02%	0.011%	
47	5.049	5.022	5.062	VV	206	2124	0.04%	0.017%	
48	5.082	5.062	5.109	VV	231	3298	0.06%	0.027%	
49	5.133	5.109	5.144	PV	806	8478	0.16%	0.069%	
50	5.159	5.144	5.186	VV	3347	35622	0.65%	0.292%	
51	5.215	5.186	5.241	VV	662	10057	0.18%	0.082%	
52	5.267	5.241	5.305	VV	346	5796	0.11%	0.047%	
53	5.316	5.305	5.335	VV	163	2029	0.04%	0.017%	
54	5.352	5.335	5.373	VV	259	4111	0.08%	0.034%	
55	5.387	5.373	5.426	VV	347	6481	0.12%	0.053%	
56	5.439	5.426	5.473	VV	175	3684	0.07%	0.030%	
57	5.480	5.473	5.500	VV	129	1556	0.03%	0.013%	
58	5.529	5.500	5.540	VV	178	3187	0.06%	0.026%	
59	5.562	5.540	5.582	VV	2093	21101	0.39%	0.173%	
60	5.604	5.582	5.626	VV	1316	14454	0.26%	0.118%	
61	5.635	5.626	5.648	VV	143	1560	0.03%	0.013%	
62	5.660	5.648	5.710	VV	353	5671	0.10%	0.046%	
63	5.751	5.710	5.777	VV	341	7568	0.14%	0.062%	
64	5.788	5.777	5.794	VV	80	668	0.01%	0.005%	
65	5.809	5.794	5.824	VV	155	2173	0.04%	0.018%	
66	5.858	5.824	5.891	VV	331	7632	0.14%	0.062%	
67	5.911	5.891	5.998	VV	236	7400	0.14%	0.061%	
68	6.022	5.998	6.040	PV	212	2801	0.05%	0.023%	
69	6.063	6.040	6.081	VV	208	2938	0.05%	0.024%	
70	6.120	6.081	6.146	VV	841	12758	0.23%	0.104%	
71	6.162	6.146	6.183	VV	532	5974	0.11%	0.049%	
72	6.204	6.183	6.232	VV	1009	12195	0.22%	0.100%	
73	6.266	6.232	6.288	VV	543	8379	0.15%	0.069%	
74	6.335	6.288	6.365	VV	291	8964	0.16%	0.073%	
75	6.386	6.365	6.418	VV	234	5045	0.09%	0.041%	
76	6.430	6.418	6.452	VV	222	2683	0.05%	0.022%	
77	6.481	6.452	6.498	VV	149	2801	0.05%	0.023%	
78	6.513	6.498	6.525	VV	168	2145	0.04%	0.018%	
79	6.545	6.525	6.585	VV	6985	70761	1.30%	0.579%	
80	6.591	6.585	6.613	VV	255	3268	0.06%	0.027%	
81	6.631	6.613	6.651	VV	497	7037	0.13%	0.058%	
82	6.665	6.651	6.677	VV	456	4976	0.09%	0.041%	
83	6.695	6.677	6.717	VV	1410	16348	0.30%	0.134%	
84	6.730	6.717	6.750	VV	380	5990	0.11%	0.049%	
85	6.768	6.750	6.808	VV	606	9303	0.17%	0.076%	
86	6.821	6.808	6.853	VV	226	4008	0.07%	0.033%	
87	6.874	6.853	6.901	VV	345	6441	0.12%	0.053%	
88	6.913	6.901	6.932	VV	214	3386	0.06%	0.028%	
89	6.941	6.932	6.970	VV	235	3844	0.07%	0.031%	

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90	6.992	6.970	7.018	VV	571	9483	0.17%	0.078%
91	7.045	7.018	7.078	VV	990	22127	0.41%	0.181%
92	7.104	7.078	7.131	VV	960	17412	0.32%	0.143%
93	7.169	7.131	7.195	VV	942	22741	0.42%	0.186%
94	7.207	7.195	7.231	VV	637	7104	0.13%	0.058%
95	7.250	7.231	7.264	VV	601	6838	0.13%	0.056%
96	7.278	7.264	7.301	VV	339	5405	0.10%	0.044%
97	7.332	7.301	7.373	VV	1685	25435	0.47%	0.208%
98	7.391	7.373	7.421	VV	391	8744	0.16%	0.072%
99	7.437	7.421	7.448	VV	561	6308	0.12%	0.052%
100	7.470	7.448	7.497	VV	4418	47979	0.88%	0.393%
101	7.538	7.497	7.547	VV	419	7885	0.14%	0.065%
102	7.562	7.547	7.579	VV	607	7590	0.14%	0.062%
103	7.588	7.579	7.602	VV	307	3307	0.06%	0.027%
104	7.645	7.602	7.668	VV	435	10391	0.19%	0.085%
105	7.683	7.668	7.703	VV	201	3465	0.06%	0.028%
106	7.733	7.703	7.757	VV	892	12028	0.22%	0.098%
107	7.787	7.757	7.855	VV	58632	570205	10.45%	4.669%
108	7.925	7.855	7.940	VV	481	14333	0.26%	0.117%
109	7.952	7.940	7.978	VV	466	6265	0.11%	0.051%
110	7.993	7.978	8.013	VV	546	7277	0.13%	0.060%
111	8.038	8.013	8.074	VV	1417	18489	0.34%	0.151%
112	8.095	8.074	8.118	VV	1347	15476	0.28%	0.127%
113	8.130	8.118	8.145	VV	165	2698	0.05%	0.022%
114	8.165	8.145	8.218	VV	525	9630	0.18%	0.079%
115	8.249	8.218	8.281	VV	717	10838	0.20%	0.089%
116	8.342	8.281	8.418	VV	6266	76887	1.41%	0.630%
117	8.441	8.418	8.474	VV	480	11626	0.21%	0.095%
118	8.493	8.474	8.523	VV	370	5773	0.11%	0.047%
119	8.535	8.523	8.560	VV	284	3404	0.06%	0.028%
120	8.578	8.560	8.606	VV	390	4739	0.09%	0.039%
121	8.657	8.606	8.731	VV	106493	1056596	19.37%	8.652%
122	8.762	8.731	8.780	VV	419	9556	0.18%	0.078%
123	8.806	8.780	8.817	VV	518	8913	0.16%	0.073%
124	8.833	8.817	8.863	VV	554	11124	0.20%	0.091%
125	8.881	8.863	8.924	VV	865	17778	0.33%	0.146%
126	8.946	8.924	8.974	VV	339	5186	0.10%	0.042%
127	8.998	8.974	9.018	VV	216	3598	0.07%	0.029%
128	9.066	9.018	9.085	VV	3003	35537	0.65%	0.291%
129	9.102	9.085	9.137	VV	791	15939	0.29%	0.131%
130	9.165	9.137	9.174	VV	1406	19992	0.37%	0.164%
131	9.184	9.174	9.212	VV	1451	18935	0.35%	0.155%
132	9.220	9.212	9.235	VV	407	3597	0.07%	0.029%
133	9.255	9.235	9.274	VV	494	5953	0.11%	0.049%
134	9.303	9.274	9.334	VV	378	5026	0.09%	0.041%
135	9.407	9.334	9.434	PV	293	10692	0.20%	0.088%
136	9.467	9.434	9.509	VV	473	12004	0.22%	0.098%
137	9.535	9.509	9.569	VV	895	15234	0.28%	0.125%
138	9.586	9.569	9.602	VV	370	4841	0.09%	0.040%
139	9.610	9.602	9.650	VV	221	4286	0.08%	0.035%
140	9.673	9.650	9.702	VV	465	7734	0.14%	0.063%
141	9.725	9.702	9.761	VV	990	12456	0.23%	0.102%

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142	9.785	9.761	9.798	VV	211	2928	0.05%	0.024%
143	9.818	9.798	9.844	VV	2964	31606	0.58%	0.259%
144	9.865	9.844	9.913	VV	373	7100	0.13%	0.058%
145	9.945	9.913	9.973	VV	2039	23959	0.44%	0.196%
146	9.987	9.973	10.000	VV	151	1872	0.03%	0.015%
147	10.015	10.000	10.024	VV	310	3105	0.06%	0.025%
148	10.032	10.024	10.068	VV	274	5046	0.09%	0.041%
149	10.093	10.068	10.109	VV	197	3123	0.06%	0.026%
150	10.118	10.109	10.182	VV	145	3660	0.07%	0.030%
151	10.224	10.182	10.241	PV	205	3544	0.06%	0.029%
152	10.269	10.241	10.304	VV	260	7221	0.13%	0.059%
153	10.338	10.304	10.358	VV	538	10016	0.18%	0.082%
154	10.378	10.358	10.399	VV	423	7007	0.13%	0.057%
155	10.430	10.399	10.455	VV	329	7500	0.14%	0.061%
156	10.475	10.455	10.518	VV	237	6251	0.11%	0.051%
157	10.551	10.518	10.561	VV	247	5295	0.10%	0.043%
158	10.575	10.561	10.600	VV	337	6204	0.11%	0.051%
159	10.632	10.600	10.650	VV	406	8807	0.16%	0.072%
160	10.684	10.650	10.721	VV	691	16168	0.30%	0.132%
161	10.745	10.721	10.773	VV	360	8622	0.16%	0.071%
162	10.817	10.773	10.858	VV	655	17682	0.32%	0.145%
163	10.865	10.858	10.927	VV	257	8536	0.16%	0.070%
164	10.942	10.927	10.983	VV	263	6044	0.11%	0.049%
165	11.004	10.983	11.042	VV	292	7722	0.14%	0.063%
166	11.060	11.042	11.071	VV	260	3471	0.06%	0.028%
167	11.082	11.071	11.098	VV	302	4202	0.08%	0.034%
168	11.113	11.098	11.173	VV	402	11138	0.20%	0.091%
169	11.191	11.173	11.209	VV	244	3347	0.06%	0.027%
170	11.220	11.209	11.237	VV	122	1363	0.02%	0.011%
171	11.248	11.237	11.262	VV	107	878	0.02%	0.007%
172	11.272	11.262	11.279	VV	100	569	0.01%	0.005%
173	11.319	11.279	11.354	VV	1318	18637	0.34%	0.153%
174	11.388	11.354	11.416	VV	1803	23388	0.43%	0.192%
175	11.484	11.416	11.508	VV	374	10375	0.19%	0.085%
176	11.521	11.508	11.534	VV	116	1382	0.03%	0.011%
177	11.547	11.534	11.596	VV	251	3991	0.07%	0.033%
178	11.624	11.596	11.647	VV	177	2882	0.05%	0.024%
179	11.711	11.647	11.761	PV	38029	416147	7.63%	3.408%
180	11.784	11.761	11.828	VV	399	9604	0.18%	0.079%
181	11.845	11.828	11.892	VV	437	9616	0.18%	0.079%
182	11.910	11.892	11.947	VV	113	2774	0.05%	0.023%
183	11.986	11.947	12.000	VV	214	4868	0.09%	0.040%
184	12.051	12.000	12.084	VV	572	17315	0.32%	0.142%
185	12.109	12.084	12.135	VV	643	10216	0.19%	0.084%
186	12.157	12.135	12.176	VV	368	5824	0.11%	0.048%
187	12.214	12.176	12.244	VV	282	8291	0.15%	0.068%
188	12.280	12.244	12.311	VV	682	15124	0.28%	0.124%
189	12.352	12.311	12.373	VV	501	10779	0.20%	0.088%
190	12.393	12.373	12.410	VV	731	8403	0.15%	0.069%
191	12.426	12.410	12.457	VV	389	7975	0.15%	0.065%
192	12.508	12.457	12.531	VV	578	15189	0.28%	0.124%
193	12.560	12.531	12.591	VV	1006	16012	0.29%	0.131%
194	12.597	12.591	12.608	VV	113	1036	0.02%	0.008%

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195	12.638	12.608	12.671	VV	989	13202	0.24%	0.108%
196	12.698	12.671	12.751	VV	1797	23870	0.44%	0.195%
197	12.783	12.751	12.806	VV	778	12769	0.23%	0.105%
198	12.818	12.806	12.893	VV	230	4645	0.09%	0.038%
199	12.908	12.893	12.940	VV	121	1282	0.02%	0.010%
200	12.958	12.940	13.008	VV	165	5088	0.09%	0.042%
201	13.025	13.008	13.039	VV	198	2061	0.04%	0.017%
202	13.150	13.039	13.184	VV	463573	5454839	100.00%	44.667%
203	13.199	13.184	13.234	VV	296	6277	0.12%	0.051%
204	13.237	13.234	13.258	VV	229	2236	0.04%	0.018%
205	13.262	13.258	13.269	VV	192	1133	0.02%	0.009%
206	13.311	13.269	13.343	VV	650	14173	0.26%	0.116%
207	13.365	13.343	13.405	VV	443	10324	0.19%	0.085%
208	13.424	13.405	13.481	VV	239	8450	0.15%	0.069%
209	13.515	13.481	13.554	VV	322	10188	0.19%	0.083%
210	13.577	13.554	13.634	VV	284	11124	0.20%	0.091%
211	13.660	13.634	13.670	VV	210	3510	0.06%	0.029%
212	13.717	13.670	13.729	VV	253	6471	0.12%	0.053%
213	13.748	13.729	13.813	VV	318	8916	0.16%	0.073%
214	13.846	13.813	13.872	VV	929	15680	0.29%	0.128%
215	13.898	13.872	13.948	VV	1620	24309	0.45%	0.199%
216	13.955	13.948	13.969	VV	149	1614	0.03%	0.013%
217	13.978	13.969	14.033	VV	121	2340	0.04%	0.019%
218	14.043	14.033	14.061	VV	91	1138	0.02%	0.009%
219	14.079	14.061	14.088	VV	87	941	0.02%	0.008%
220	14.118	14.088	14.228	PV	216	9127	0.17%	0.075%
221	14.232	14.228	14.255	VV	171	1604	0.03%	0.013%
222	14.265	14.255	14.275	VV	108	935	0.02%	0.008%
223	14.290	14.275	14.304	VV	184	1777	0.03%	0.015%
224	14.335	14.304	14.379	VV	1571	23184	0.43%	0.190%
225	14.391	14.379	14.422	VV	171	2810	0.05%	0.023%
226	14.462	14.422	14.508	VV	331	7134	0.13%	0.058%
227	14.532	14.508	14.576	VV	142	4248	0.08%	0.035%
228	14.597	14.576	14.648	VV	194	5545	0.10%	0.045%
229	14.656	14.648	14.694	VV	144	3261	0.06%	0.027%
230	14.719	14.694	14.741	VV	168	3050	0.06%	0.025%
231	14.779	14.741	14.804	VV	175	4736	0.09%	0.039%
232	14.812	14.804	14.819	VV	210	1418	0.03%	0.012%
233	14.841	14.819	14.875	VV	358	6097	0.11%	0.050%
234	14.884	14.875	14.902	VV	98	990	0.02%	0.008%
235	14.909	14.902	14.914	VV	70	383	0.01%	0.003%
236	14.959	14.914	14.977	VV	763	13820	0.25%	0.113%
237	15.002	14.977	15.030	VV	1901	27025	0.50%	0.221%
238	15.046	15.030	15.098	VV	249	5066	0.09%	0.041%
239	15.108	15.098	15.158	VV	91	1519	0.03%	0.012%
240	15.178	15.158	15.187	VV	119	1694	0.03%	0.014%
241	15.199	15.187	15.224	VV	156	2585	0.05%	0.021%
242	15.232	15.224	15.291	VV	147	3377	0.06%	0.028%
243	15.322	15.291	15.356	VV	104	2275	0.04%	0.019%
244	15.387	15.356	15.399	VV	293	3720	0.07%	0.030%
245	15.424	15.399	15.471	VV	191	5945	0.11%	0.049%
246	15.524	15.471	15.568	VV	1032	18482	0.34%	0.151%

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247	15.574	15.568	15.633	VV	250	4397	0.08%	0.036%
248	15.703	15.633	15.751	VV	234	9434	0.17%	0.077%
249	15.757	15.751	15.774	VV	237	1937	0.04%	0.016%
250	15.796	15.774	15.808	VV	149	2277	0.04%	0.019%
251	15.850	15.808	15.924	VV	252	11920	0.22%	0.098%
252	15.941	15.924	15.960	VV	215	3217	0.06%	0.026%
253	15.984	15.960	16.001	VV	528	8021	0.15%	0.066%
254	16.024	16.001	16.053	VV	1952	27927	0.51%	0.229%
255	16.078	16.053	16.121	VV	220	5726	0.10%	0.047%
256	16.131	16.121	16.150	VV	96	1197	0.02%	0.010%
257	16.165	16.150	16.177	PV	94	1117	0.02%	0.009%
258	16.247	16.177	16.273	VV	236	7476	0.14%	0.061%
259	16.277	16.273	16.294	VV	115	857	0.02%	0.007%
260	16.354	16.294	16.364	PV	148	3994	0.07%	0.033%
261	16.374	16.364	16.426	VV	202	4490	0.08%	0.037%
262	16.441	16.426	16.455	VV	158	1874	0.03%	0.015%
263	16.508	16.455	16.571	VV	1283	25925	0.48%	0.212%
264	16.590	16.571	16.628	VV	324	6577	0.12%	0.054%
265	16.664	16.628	16.691	VV	302	8145	0.15%	0.067%
266	16.723	16.691	16.774	VV	282	11629	0.21%	0.095%
267	16.813	16.774	16.841	VV	306	8299	0.15%	0.068%
268	16.873	16.841	16.891	VV	321	7773	0.14%	0.064%
269	16.942	16.891	16.953	VV	487	11027	0.20%	0.090%
270	16.977	16.953	17.014	VV	2051	29783	0.55%	0.244%
271	17.028	17.014	17.071	VV	279	4843	0.09%	0.040%
272	17.087	17.071	17.115	VV	193	2432	0.04%	0.020%
273	17.140	17.115	17.151	VV	136	1822	0.03%	0.015%
274	17.168	17.151	17.191	VV	133	1754	0.03%	0.014%
275	17.199	17.191	17.214	VV	97	903	0.02%	0.007%
276	17.251	17.214	17.278	PV	149	3316	0.06%	0.027%
277	17.306	17.278	17.341	VV	358	6953	0.13%	0.057%
278	17.373	17.341	17.397	VV	136	3460	0.06%	0.028%
279	17.428	17.397	17.457	VV	1678	23514	0.43%	0.193%
280	17.472	17.457	17.492	PV	140	1547	0.03%	0.013%
281	17.512	17.492	17.534	VV	152	2280	0.04%	0.019%
282	17.555	17.534	17.591	VV	143	3978	0.07%	0.033%
283	17.600	17.591	17.615	VV	210	1831	0.03%	0.015%
284	17.624	17.615	17.631	VV	86	906	0.02%	0.007%
285	17.638	17.631	17.684	VV	135	3040	0.06%	0.025%
286	17.714	17.684	17.736	VV	187	3634	0.07%	0.030%
287	17.745	17.736	17.751	VV	105	633	0.01%	0.005%
288	17.770	17.751	17.788	VV	146	2122	0.04%	0.017%
289	17.866	17.788	17.901	VV	2150	37617	0.69%	0.308%
290	17.908	17.901	17.925	VV	136	1244	0.02%	0.010%
291	17.953	17.925	17.985	VV	195	4807	0.09%	0.039%
292	18.022	17.985	18.107	VV	191	8278	0.15%	0.068%
293	18.150	18.107	18.171	PV	112	4525	0.08%	0.037%
294	18.289	18.171	18.345	VV	2196	41313	0.76%	0.338%
295	18.424	18.345	18.475	VV	152	6727	0.12%	0.055%
296	18.560	18.475	18.622	PV	309	10966	0.20%	0.090%
297	18.699	18.622	18.751	VV	1983	37374	0.69%	0.306%
298	18.865	18.751	18.906	VV	147	11916	0.22%	0.098%
299	18.961	18.906	18.983	VV	214	6605	0.12%	0.054%

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300	19.097	18.983	19.165	VV	1428	39015	0.72%	0.319%
301	19.484	19.165	19.548	VV	2004	122248	2.24%	1.001%
302	19.792	19.548	19.811	VV	864	110540	2.03%	0.905%
303	19.861	19.811	19.895	VV	1556	53264	0.98%	0.436%
304	20.045	19.895	20.062	VV	1398	115774	2.12%	0.948%
305	20.137	20.062	20.160	VV	1619	84885	1.56%	0.695%
306	20.225	20.160	20.258	VV	2713	105680	1.94%	0.865%
307	20.392	20.258	20.438	VV	1977	192064	3.52%	1.573%
308	20.579	20.438	20.745	VV	5020	485029	8.89%	3.972%
309	20.788	20.745	20.948	VV	1790	190134	3.49%	1.557%
310	21.002	20.948	21.128	VV	2139	164386	3.01%	1.346%
311	21.143	21.128	21.315	VV	1357	131150	2.40%	1.074%
312	21.363	21.315	21.418	VV	1161	61068	1.12%	0.500%
313	21.467	21.418	21.508	VV	1040	50662	0.93%	0.415%
314	21.529	21.508	21.578	VV	887	34941	0.64%	0.286%
315	21.681	21.578	21.802	VV	846	96548	1.77%	0.791%
316	21.816	21.802	21.861	VV	535	17124	0.31%	0.140%
317	21.869	21.861	21.895	VV	469	8467	0.16%	0.069%
318	21.982	21.895	22.177	VV	922	74897	1.37%	0.613%
319	22.193	22.177	22.218	VV	287	4819	0.09%	0.039%
320	22.258	22.218	22.356	VV	218	11397	0.21%	0.093%

Sum of corrected areas: 12212183

Aliphatic EPH 040925.M Fri Apr 11 04:59:57 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049278.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 20:21
 Operator : YP/AJ
 Sample : Q1746-03
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-149-SB02

Integration File: autoint1.e
 Quant Time: Apr 11 01:05:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 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...	7.750	5841715	39.436 ug/ml
Spiked Amount 50.000		Recovery =	78.87%
6) S 2-Fluorobiphenyl (SURR)	8.614	3261837	31.978 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	63.96%
11) S ortho-Terphenyl (SURR)	11.658	7525191	42.712 ug/ml
Spiked Amount 50.000		Recovery =	85.42%

Target Compounds

(f)=RT Delta > 1/2 Window

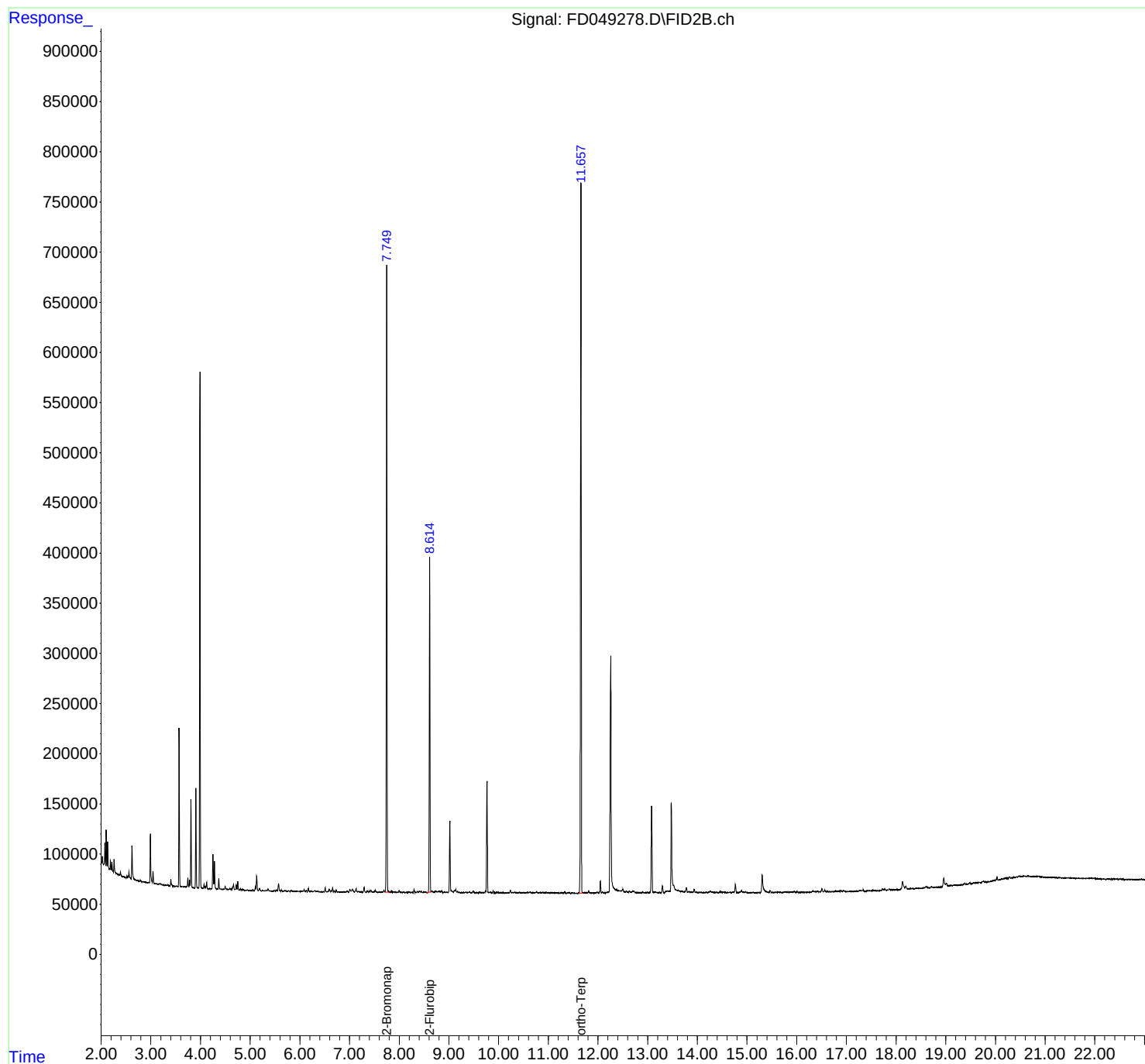
(m)=manual int.

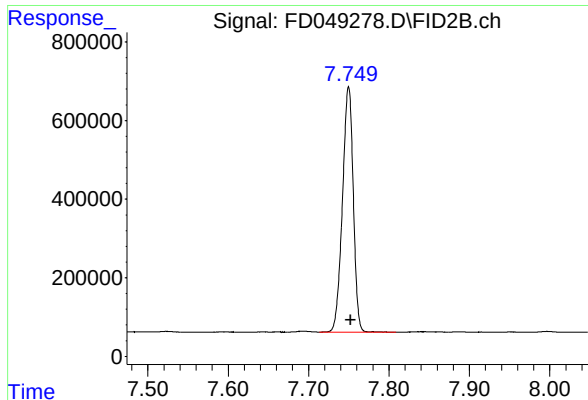
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
Data File : FD049278.D
Signal(s) : FID2B.ch
Acq On : 10 Apr 2025 20:21
Operator : YP/AJ
Sample : Q1746-03
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-149-SB02

Integration File: autoint1.e
Quant Time: Apr 11 01:05:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

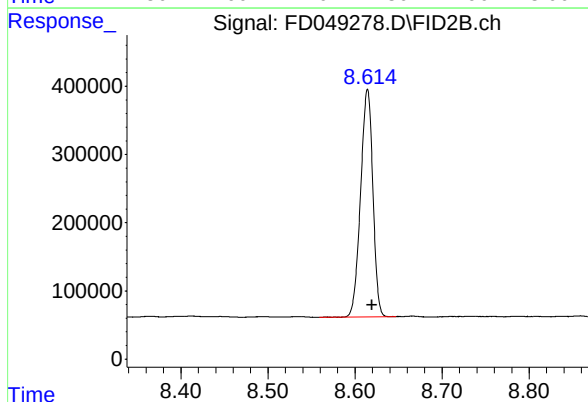




#4 2-Bromonaphthalene (SURR)

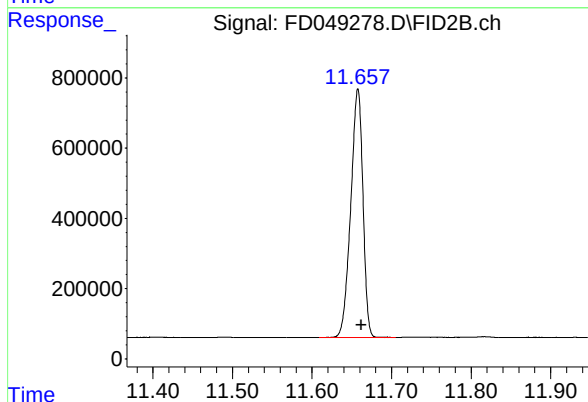
R.T.: 7.750 min
Delta R.T.: -0.003 min
Response: 5841715
Conc: 39.44 ug/ml

Instrument :
FID_D
ClientSampleId :
B-149-SB02



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.614 min
Delta R.T.: -0.005 min
Response: 3261837
Conc: 31.98 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.658 min
Delta R.T.: -0.004 min
Response: 7525191
Conc: 42.71 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049278.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 20:21
 Sample : Q1746-03
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.072	4.042	4.084	BV	4109	34379	0.46%	0.087%
2	4.096	4.084	4.109	VV	2301	21946	0.29%	0.056%
3	4.124	4.109	4.162	VV	6386	58828	0.78%	0.150%
4	4.179	4.174	4.183	PV	344	1261	0.02%	0.003%
5	4.192	4.183	4.228	VV	839	8415	0.11%	0.021%
6	4.251	4.228	4.268	VV	34667	367701	4.87%	0.934%
7	4.282	4.268	4.335	VV	27945	264180	3.50%	0.671%
8	4.340	4.335	4.354	VV	277	2082	0.03%	0.005%
9	4.369	4.354	4.386	VV	11051	90082	1.19%	0.229%
10	4.391	4.386	4.412	VV	891	8060	0.11%	0.020%
11	4.419	4.412	4.429	VV	252	1229	0.02%	0.003%
12	4.452	4.429	4.471	VV	434	7195	0.10%	0.018%
13	4.497	4.471	4.555	VV	3906	51254	0.68%	0.130%
14	4.562	4.555	4.577	VV	528	5876	0.08%	0.015%
15	4.590	4.577	4.602	VV	1269	14551	0.19%	0.037%
16	4.613	4.602	4.631	VV	1390	13815	0.18%	0.035%
17	4.665	4.631	4.690	VV	5785	86409	1.15%	0.220%
18	4.721	4.690	4.736	VV	5426	58814	0.78%	0.149%
19	4.751	4.736	4.784	VV	8848	85710	1.14%	0.218%
20	4.804	4.784	4.830	VV	2160	22744	0.30%	0.058%
21	4.841	4.830	4.860	VV	1447	16697	0.22%	0.042%
22	4.869	4.860	4.897	VV	1029	11738	0.16%	0.030%
23	4.902	4.897	4.919	VV	238	2521	0.03%	0.006%
24	4.940	4.919	4.974	VV	906	11880	0.16%	0.030%
25	4.978	4.974	4.987	PV	245	1417	0.02%	0.004%
26	5.003	4.987	5.012	VV	313	3351	0.04%	0.009%
27	5.029	5.012	5.037	VV	292	2827	0.04%	0.007%
28	5.054	5.037	5.085	VV	993	12930	0.17%	0.033%
29	5.106	5.085	5.115	VV	4062	38320	0.51%	0.097%
30	5.132	5.115	5.162	VV	14651	166024	2.20%	0.422%
31	5.189	5.162	5.227	VV	2764	36406	0.48%	0.093%
32	5.245	5.227	5.276	VV	735	10445	0.14%	0.027%
33	5.297	5.276	5.302	VV	332	2931	0.04%	0.007%
34	5.323	5.302	5.340	VV	1057	12845	0.17%	0.033%
35	5.360	5.340	5.400	VV	2313	29583	0.39%	0.075%
36	5.413	5.409	5.436	VV	305	3576	0.05%	0.009%

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37	5.440	5.436	5.483	VV	315	4022	0.05%	0.010%
38	5.498	5.483	5.517	PV	624	6018	0.08%	0.015%
39	5.532	5.517	5.548	VV	1566	14772	0.20%	0.038%
40	5.572	5.548	5.605	VV	7189	100365	1.33%	0.255%
41	5.630	5.605	5.651	VV	1508	19072	0.25%	0.048%
42	5.696	5.651	5.705	VV	877	13874	0.18%	0.035%
43	5.711	5.705	5.758	VV	600	8679	0.12%	0.022%
44	5.777	5.758	5.802	VV	684	9207	0.12%	0.023%
45	5.826	5.802	5.875	VV	948	16598	0.22%	0.042%
46	5.881	5.875	5.885	VV	344	1820	0.02%	0.005%
47	5.891	5.885	5.923	VV	460	7544	0.10%	0.019%
48	5.926	5.923	5.937	VV	350	2202	0.03%	0.006%
49	5.947	5.937	5.962	VV	372	3372	0.04%	0.009%
50	5.966	5.962	5.979	VV	266	2247	0.03%	0.006%
51	5.986	5.979	6.005	VV	382	3824	0.05%	0.010%
52	6.030	6.005	6.044	VV	640	10018	0.13%	0.025%
53	6.086	6.044	6.104	VV	1807	30012	0.40%	0.076%
54	6.129	6.104	6.152	VV	1294	20067	0.27%	0.051%
55	6.171	6.152	6.210	VV	3519	38990	0.52%	0.099%
56	6.230	6.210	6.268	VV	820	15900	0.21%	0.040%
57	6.304	6.268	6.335	VV	1385	28998	0.38%	0.074%
58	6.364	6.335	6.415	VV	976	20441	0.27%	0.052%
59	6.422	6.415	6.426	VV	305	1369	0.02%	0.003%
60	6.429	6.426	6.452	VV	248	2527	0.03%	0.006%
61	6.475	6.464	6.487	PV	374	3580	0.05%	0.009%
62	6.511	6.487	6.538	VV	4249	47351	0.63%	0.120%
63	6.553	6.538	6.574	VV	602	10358	0.14%	0.026%
64	6.592	6.574	6.617	VV	3122	44850	0.59%	0.114%
65	6.630	6.617	6.644	VV	1604	18488	0.25%	0.047%
66	6.660	6.644	6.681	VV	4499	47827	0.63%	0.122%
67	6.695	6.681	6.712	VV	1345	13988	0.19%	0.036%
68	6.732	6.712	6.754	VV	2468	24067	0.32%	0.061%
69	6.769	6.754	6.817	VV	340	7913	0.10%	0.020%
70	6.839	6.817	6.854	VV	547	7105	0.09%	0.018%
71	6.877	6.854	6.902	VV	451	8783	0.12%	0.022%
72	6.907	6.902	6.920	VV	447	3383	0.04%	0.009%
73	6.925	6.920	6.933	VV	326	1693	0.02%	0.004%
74	6.954	6.933	6.982	VV	1625	22048	0.29%	0.056%
75	7.006	6.982	7.020	VV	3065	38899	0.52%	0.099%
76	7.026	7.020	7.037	VV	1681	15059	0.20%	0.038%
77	7.055	7.037	7.096	VV	2752	57529	0.76%	0.146%
78	7.133	7.096	7.159	VV	3875	57073	0.76%	0.145%
79	7.179	7.159	7.187	VV	831	11724	0.16%	0.030%
80	7.191	7.187	7.206	VV	858	6883	0.09%	0.017%
81	7.213	7.206	7.230	VV	534	5967	0.08%	0.015%
82	7.237	7.230	7.255	VV	622	5343	0.07%	0.014%
83	7.294	7.255	7.332	PV	5226	65446	0.87%	0.166%
84	7.353	7.332	7.382	VV	1223	23904	0.32%	0.061%
85	7.400	7.382	7.413	VV	1582	18802	0.25%	0.048%
86	7.432	7.413	7.452	VV	2616	32192	0.43%	0.082%
87	7.463	7.452	7.484	VV	862	11591	0.15%	0.029%
88	7.499	7.484	7.509	VV	1041	12350	0.16%	0.031%
89	7.523	7.509	7.549	VV	2149	24801	0.33%	0.063%

					rt	ret	area	%area
90	7.554	7.549	7.559	VV	315	1539	0.02%	0.004%
91	7.561	7.559	7.574	VV	349	2398	0.03%	0.006%
92	7.591	7.574	7.596	VV	602	5679	0.08%	0.014%
93	7.599	7.596	7.622	VV	568	6197	0.08%	0.016%
94	7.643	7.622	7.653	VV	677	7788	0.10%	0.020%
95	7.662	7.653	7.675	VV	701	6505	0.09%	0.017%
96	7.694	7.675	7.713	VV	2613	31103	0.41%	0.079%
97	7.750	7.713	7.776	VV	625604	5845223	77.49%	14.855%
98	7.780	7.776	7.808	VV	1486	14314	0.19%	0.036%
99	7.841	7.808	7.873	VV	1343	28721	0.38%	0.073%
100	7.888	7.873	7.906	VV	835	10916	0.14%	0.028%
101	7.914	7.906	7.934	VV	486	5703	0.08%	0.014%
102	7.950	7.934	7.979	VV	689	7692	0.10%	0.020%
103	7.997	7.979	8.027	VV	2188	24781	0.33%	0.063%
104	8.030	8.027	8.038	VV	410	2184	0.03%	0.006%
105	8.059	8.038	8.069	VV	522	6948	0.09%	0.018%
106	8.091	8.069	8.127	VV	662	11855	0.16%	0.030%
107	8.149	8.135	8.155	VV	324	2843	0.04%	0.007%
108	8.176	8.155	8.183	VV	377	4770	0.06%	0.012%
109	8.202	8.183	8.238	VV	718	11563	0.15%	0.029%
110	8.245	8.238	8.263	PV	421	3729	0.05%	0.009%
111	8.268	8.263	8.275	VV	288	1446	0.02%	0.004%
112	8.299	8.275	8.319	VV	3501	39536	0.52%	0.100%
113	8.329	8.319	8.345	VV	592	7100	0.09%	0.018%
114	8.365	8.345	8.378	VV	1496	16702	0.22%	0.042%
115	8.396	8.378	8.402	VV	1292	13676	0.18%	0.035%
116	8.412	8.402	8.434	VV	1626	24154	0.32%	0.061%
117	8.445	8.434	8.472	VV	1223	14974	0.20%	0.038%
118	8.494	8.472	8.519	VV	1044	15582	0.21%	0.040%
119	8.535	8.519	8.557	VV	1082	12579	0.17%	0.032%
120	8.566	8.557	8.583	VV	226	2931	0.04%	0.007%
121	8.614	8.583	8.647	VV	334343	3290392	43.62%	8.362%
122	8.651	8.647	8.655	VV	1176	5223	0.07%	0.013%
123	8.666	8.655	8.686	VV	1845	21964	0.29%	0.056%
124	8.711	8.686	8.724	VV	1277	21519	0.29%	0.055%
125	8.732	8.724	8.749	VV	1480	18962	0.25%	0.048%
126	8.757	8.749	8.772	VV	1287	15358	0.20%	0.039%
127	8.787	8.772	8.800	VV	1623	22135	0.29%	0.056%
128	8.809	8.800	8.825	VV	1399	16605	0.22%	0.042%
129	8.836	8.825	8.845	VV	1562	15455	0.20%	0.039%
130	8.858	8.845	8.881	VV	2187	27326	0.36%	0.069%
131	8.905	8.881	8.914	VV	859	11017	0.15%	0.028%
132	8.917	8.914	8.938	VV	552	7187	0.10%	0.018%
133	8.953	8.938	8.978	VV	754	13356	0.18%	0.034%
134	9.020	8.978	9.044	VV	71918	740023	9.81%	1.881%
135	9.053	9.044	9.069	VV	2703	30382	0.40%	0.077%
136	9.075	9.069	9.090	VV	1329	14440	0.19%	0.037%
137	9.109	9.090	9.124	VV	2156	35190	0.47%	0.089%
138	9.139	9.124	9.163	VV	3399	50782	0.67%	0.129%
139	9.174	9.163	9.195	VV	1668	18201	0.24%	0.046%
140	9.207	9.195	9.239	VV	1167	14942	0.20%	0.038%
141	9.256	9.239	9.279	VV	774	11138	0.15%	0.028%

					rteres			
142	9.284	9.279	9.293	VV	399	2944	0.04%	0.007%
143	9.301	9.293	9.317	VV	568	6581	0.09%	0.017%
144	9.342	9.317	9.388	VV	1043	24863	0.33%	0.063%
145	9.404	9.388	9.412	VV	891	10274	0.14%	0.026%
146	9.417	9.412	9.437	VV	874	9347	0.12%	0.024%
147	9.458	9.437	9.463	VV	338	4427	0.06%	0.011%
148	9.488	9.463	9.524	VV	1974	34402	0.46%	0.087%
149	9.529	9.524	9.532	VV	285	1201	0.02%	0.003%
150	9.556	9.532	9.565	VV	495	6942	0.09%	0.018%
151	9.581	9.565	9.595	VV	473	5477	0.07%	0.014%
152	9.621	9.605	9.645	VV	1123	13851	0.18%	0.035%
153	9.657	9.645	9.670	VV	478	5455	0.07%	0.014%
154	9.674	9.670	9.679	VV	548	2245	0.03%	0.006%
155	9.684	9.679	9.695	VV	397	3386	0.04%	0.009%
156	9.703	9.695	9.709	VV	494	3159	0.04%	0.008%
157	9.737	9.709	9.744	VV	2084	23013	0.31%	0.058%
158	9.768	9.744	9.796	VV	111397	1130370	14.98%	2.873%
159	9.811	9.796	9.820	VV	752	8941	0.12%	0.023%
160	9.825	9.820	9.869	VV	756	14708	0.19%	0.037%
161	9.893	9.869	9.915	VV	1939	24050	0.32%	0.061%
162	9.923	9.915	9.935	VV	409	2582	0.03%	0.007%
163	9.972	9.935	10.030	VV	923	32639	0.43%	0.083%
164	10.066	10.030	10.071	VV	788	11375	0.15%	0.029%
165	10.092	10.071	10.117	VV	1048	14215	0.19%	0.036%
166	10.122	10.117	10.138	VV	326	1573	0.02%	0.004%
167	10.174	10.160	10.185	VV	368	4046	0.05%	0.010%
168	10.239	10.185	10.270	VV	3069	48956	0.65%	0.124%
169	10.290	10.270	10.305	VV	859	14185	0.19%	0.036%
170	10.330	10.305	10.345	VV	1002	15846	0.21%	0.040%
171	10.355	10.345	10.366	VV	616	6647	0.09%	0.017%
172	10.379	10.366	10.390	VV	726	8264	0.11%	0.021%
173	10.419	10.390	10.439	VV	1233	20415	0.27%	0.052%
174	10.443	10.439	10.452	VV	483	3488	0.05%	0.009%
175	10.457	10.452	10.466	VV	528	2889	0.04%	0.007%
176	10.493	10.466	10.505	VV	672	12154	0.16%	0.031%
177	10.522	10.505	10.547	VV	690	14365	0.19%	0.037%
178	10.565	10.547	10.570	VV	739	8339	0.11%	0.021%
179	10.578	10.570	10.601	VV	997	14387	0.19%	0.037%
180	10.628	10.601	10.643	VV	1289	23727	0.31%	0.060%
181	10.648	10.643	10.663	VV	925	7853	0.10%	0.020%
182	10.688	10.663	10.711	VV	832	14338	0.19%	0.036%
183	10.762	10.711	10.787	VV	1563	35477	0.47%	0.090%
184	10.792	10.787	10.801	VV	560	3709	0.05%	0.009%
185	10.845	10.801	10.870	VV	987	26415	0.35%	0.067%
186	10.887	10.870	10.908	VV	1052	15231	0.20%	0.039%
187	10.913	10.908	10.917	VV	599	2685	0.04%	0.007%
188	10.922	10.917	10.932	VV	450	3826	0.05%	0.010%
189	10.956	10.932	10.990	VV	1153	21987	0.29%	0.056%
190	11.001	10.990	11.027	VV	700	10867	0.14%	0.028%
191	11.054	11.027	11.072	VV	945	16599	0.22%	0.042%
192	11.086	11.072	11.105	VV	903	11744	0.16%	0.030%
193	11.110	11.105	11.116	VV	436	2495	0.03%	0.006%
194	11.133	11.116	11.142	VV	552	5991	0.08%	0.015%

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195	11.163	11.142	11.190	VV	488	8985	0.12%	0.023%
196	11.203	11.190	11.232	VV	482	8861	0.12%	0.023%
197	11.262	11.232	11.287	VV	821	15462	0.20%	0.039%
198	11.331	11.287	11.367	VV	1590	29068	0.39%	0.074%
199	11.405	11.367	11.421	VV	908	18547	0.25%	0.047%
200	11.427	11.421	11.458	VV	543	6365	0.08%	0.016%
201	11.490	11.458	11.515	PV	1070	16240	0.22%	0.041%
202	11.524	11.515	11.536	VV	346	3329	0.04%	0.008%
203	11.556	11.536	11.564	VV	302	3927	0.05%	0.010%
204	11.568	11.564	11.580	VV	278	2293	0.03%	0.006%
205	11.604	11.580	11.612	VV	411	5692	0.08%	0.014%
206	11.658	11.612	11.705	VV	708636	7543674	100.00%	19.171%
207	11.723	11.705	11.733	VV	868	10874	0.14%	0.028%
208	11.746	11.733	11.777	VV	861	16864	0.22%	0.043%
209	11.793	11.777	11.800	VV	940	10028	0.13%	0.025%
210	11.816	11.800	11.839	VV	2402	30191	0.40%	0.077%
211	11.881	11.839	11.899	VV	566	14525	0.19%	0.037%
212	11.907	11.899	11.912	VV	524	3237	0.04%	0.008%
213	11.931	11.912	11.950	VV	737	9653	0.13%	0.025%
214	11.956	11.950	11.962	VV	597	3939	0.05%	0.010%
215	11.989	11.962	12.013	VV	1109	24623	0.33%	0.063%
216	12.048	12.013	12.071	VV	12357	142455	1.89%	0.362%
217	12.090	12.071	12.110	VV	1663	21608	0.29%	0.055%
218	12.116	12.110	12.125	VV	329	2675	0.04%	0.007%
219	12.136	12.125	12.156	VV	519	8240	0.11%	0.021%
220	12.165	12.156	12.172	VV	703	6085	0.08%	0.015%
221	12.202	12.172	12.215	VV	1384	27879	0.37%	0.071%
222	12.257	12.215	12.352	VV	236781	3373315	44.72%	8.573%
223	12.361	12.352	12.393	VV	3985	85470	1.13%	0.217%
224	12.399	12.393	12.464	VV	3051	107441	1.42%	0.273%
225	12.499	12.464	12.524	VV	3978	97061	1.29%	0.247%
226	12.528	12.524	12.552	VV	1532	23675	0.31%	0.060%
227	12.573	12.552	12.605	VV	2376	49260	0.65%	0.125%
228	12.634	12.605	12.653	VV	2228	42451	0.56%	0.108%
229	12.661	12.653	12.669	VV	1191	9660	0.13%	0.025%
230	12.698	12.669	12.708	VV	2261	38590	0.51%	0.098%
231	12.722	12.708	12.757	VV	2395	43178	0.57%	0.110%
232	12.762	12.757	12.780	VV	922	10554	0.14%	0.027%
233	12.783	12.780	12.790	VV	781	4135	0.05%	0.011%
234	12.794	12.790	12.825	VV	761	12665	0.17%	0.032%
235	12.854	12.825	12.865	VV	676	12623	0.17%	0.032%
236	12.884	12.865	12.900	VV	938	15463	0.20%	0.039%
237	12.903	12.900	12.929	VV	992	13319	0.18%	0.034%
238	12.933	12.929	12.941	VV	626	3752	0.05%	0.010%
239	12.957	12.941	12.973	VV	651	8625	0.11%	0.022%
240	12.993	12.973	13.022	VV	1369	22304	0.30%	0.057%
241	13.027	13.022	13.031	VV	609	2416	0.03%	0.006%
242	13.079	13.031	13.109	VV	86969	1022532	13.55%	2.599%
243	13.126	13.109	13.135	VV	1019	14108	0.19%	0.036%
244	13.145	13.135	13.156	VV	1014	11173	0.15%	0.028%
245	13.166	13.156	13.179	VV	889	11079	0.15%	0.028%
246	13.185	13.179	13.217	VV	820	14743	0.20%	0.037%

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247	13.222	13.217	13.225	VV	385	1675	0.02%	0.004%
248	13.241	13.225	13.252	VV	812	9390	0.12%	0.024%
249	13.259	13.252	13.272	VV	671	6920	0.09%	0.018%
250	13.297	13.272	13.327	VV	7296	95626	1.27%	0.243%
251	13.387	13.327	13.393	VV	2116	52970	0.70%	0.135%
252	13.399	13.393	13.410	VV	2116	21256	0.28%	0.054%
253	13.415	13.410	13.434	VV	2139	25813	0.34%	0.066%
254	13.476	13.434	13.519	VV	89530	1172540	15.54%	2.980%
255	13.523	13.519	13.615	VV	7797	231019	3.06%	0.587%
256	13.620	13.615	13.672	VV	2425	71107	0.94%	0.181%
257	13.698	13.672	13.729	VV	1886	54302	0.72%	0.138%
258	13.779	13.729	13.808	VV	5480	107773	1.43%	0.274%
259	13.829	13.808	13.871	VV	1857	44799	0.59%	0.114%
260	13.889	13.871	13.909	VV	1002	19354	0.26%	0.049%
261	13.936	13.909	13.984	VV	3736	68338	0.91%	0.174%
262	13.989	13.984	14.002	VV	861	6875	0.09%	0.017%
263	14.007	14.002	14.019	VV	541	4746	0.06%	0.012%
264	14.024	14.019	14.039	VV	514	5178	0.07%	0.013%
265	14.054	14.039	14.064	VV	692	8284	0.11%	0.021%
266	14.082	14.064	14.115	VV	818	17855	0.24%	0.045%
267	14.119	14.115	14.141	VV	523	6977	0.09%	0.018%
268	14.162	14.141	14.170	VV	652	8581	0.11%	0.022%
269	14.178	14.170	14.206	VV	732	11201	0.15%	0.028%
270	14.261	14.206	14.288	VV	1895	52252	0.69%	0.133%
271	14.316	14.288	14.340	VV	765	18939	0.25%	0.048%
272	14.348	14.340	14.357	VV	563	5008	0.07%	0.013%
273	14.367	14.357	14.375	VV	636	5633	0.07%	0.014%
274	14.395	14.375	14.410	VV	714	11781	0.16%	0.030%
275	14.417	14.410	14.422	VV	557	3490	0.05%	0.009%
276	14.429	14.422	14.437	VV	629	4616	0.06%	0.012%
277	14.459	14.437	14.479	VV	1440	26795	0.36%	0.068%
278	14.493	14.479	14.518	VV	792	15574	0.21%	0.040%
279	14.527	14.518	14.534	VV	648	5455	0.07%	0.014%
280	14.554	14.534	14.568	VV	743	11921	0.16%	0.030%
281	14.575	14.568	14.585	VV	504	4717	0.06%	0.012%
282	14.602	14.585	14.618	VV	574	8487	0.11%	0.022%
283	14.634	14.618	14.638	VV	520	4390	0.06%	0.011%
284	14.647	14.638	14.659	VV	649	6575	0.09%	0.017%
285	14.662	14.659	14.680	VV	553	5759	0.08%	0.015%
286	14.707	14.680	14.714	VV	769	10956	0.15%	0.028%
287	14.726	14.714	14.731	VV	665	6223	0.08%	0.016%
288	14.765	14.731	14.805	VV	8531	117183	1.55%	0.298%
289	14.811	14.805	14.819	VV	474	3176	0.04%	0.008%
290	14.826	14.819	14.831	VV	479	2859	0.04%	0.007%
291	14.835	14.831	14.840	VV	587	2126	0.03%	0.005%
292	14.886	14.840	14.916	VV	2364	56932	0.75%	0.145%
293	14.925	14.916	14.950	VV	1152	13636	0.18%	0.035%
294	14.974	14.950	15.000	VV	1124	17685	0.23%	0.045%
295	15.006	15.000	15.055	VV	326	5667	0.08%	0.014%
296	15.091	15.065	15.103	PV	415	5036	0.07%	0.013%
297	15.109	15.103	15.116	VV	297	1983	0.03%	0.005%
298	15.120	15.116	15.163	VV	363	5479	0.07%	0.014%
299	15.177	15.163	15.199	VV	263	3231	0.04%	0.008%

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300	15.213	15.199	15.225	VV	342	2940	0.04%	0.007%
301	15.235	15.225	15.241	VV	276	2389	0.03%	0.006%
302	15.252	15.241	15.260	VV	350	2286	0.03%	0.006%
303	15.304	15.260	15.429	VV	17787	380996	5.05%	0.968%
304	15.465	15.429	15.484	VV	2119	34255	0.45%	0.087%
305	15.494	15.484	15.500	VV	412	2539	0.03%	0.006%
306	15.508	15.500	15.515	VV	350	1921	0.03%	0.005%
307	15.526	15.515	15.552	VV	287	4450	0.06%	0.011%
308	15.580	15.552	15.596	VV	643	11348	0.15%	0.029%
309	15.602	15.596	15.612	VV	362	2891	0.04%	0.007%
310	15.619	15.612	15.624	VV	437	2493	0.03%	0.006%
311	15.630	15.624	15.645	VV	487	4912	0.07%	0.012%
312	15.656	15.645	15.684	VV	569	8768	0.12%	0.022%
313	15.700	15.690	15.715	VV	301	2843	0.04%	0.007%
314	15.753	15.715	15.762	VV	971	14633	0.19%	0.037%
315	15.767	15.762	15.797	VV	1003	13945	0.18%	0.035%
316	15.807	15.797	15.819	VV	489	4759	0.06%	0.012%
317	15.831	15.819	15.853	VV	522	8064	0.11%	0.020%
318	15.856	15.853	15.871	VV	407	3143	0.04%	0.008%
319	15.903	15.871	15.924	VV	769	15107	0.20%	0.038%
320	15.944	15.924	15.964	VV	1199	19417	0.26%	0.049%
321	15.968	15.964	15.986	VV	550	5086	0.07%	0.013%
322	16.006	15.986	16.054	VV	897	17861	0.24%	0.045%
323	16.058	16.054	16.071	VV	234	1580	0.02%	0.004%
324	16.087	16.071	16.101	PV	325	4330	0.06%	0.011%
325	16.132	16.101	16.159	VV	521	11192	0.15%	0.028%
326	16.170	16.159	16.177	VV	412	3391	0.04%	0.009%
327	16.181	16.177	16.227	VV	400	6911	0.09%	0.018%
328	16.243	16.227	16.251	VV	313	2443	0.03%	0.006%
329	16.257	16.251	16.267	VV	273	1056	0.01%	0.003%
330	16.288	16.267	16.297	PV	425	4217	0.06%	0.011%
331	16.326	16.297	16.364	VV	1434	35314	0.47%	0.090%
332	16.371	16.364	16.380	VV	840	6166	0.08%	0.016%
333	16.422	16.380	16.461	VV	1032	32316	0.43%	0.082%
334	16.468	16.461	16.477	VV	436	3030	0.04%	0.008%
335	16.507	16.477	16.536	VV	3675	53620	0.71%	0.136%
336	16.561	16.536	16.591	VV	1988	32380	0.43%	0.082%
337	16.613	16.591	16.622	VV	512	7658	0.10%	0.019%
338	16.628	16.622	16.662	VV	508	8514	0.11%	0.022%
339	16.672	16.662	16.687	VV	334	2873	0.04%	0.007%
340	16.694	16.687	16.707	VV	281	2064	0.03%	0.005%
341	16.717	16.707	16.726	VV	397	2660	0.04%	0.007%
342	16.745	16.726	16.750	VV	380	3536	0.05%	0.009%
343	16.792	16.750	16.805	VV	1075	18941	0.25%	0.048%
344	16.819	16.805	16.837	VV	753	9762	0.13%	0.025%
345	16.860	16.837	16.871	VV	844	12378	0.16%	0.031%
346	16.890	16.871	16.912	VV	1314	20971	0.28%	0.053%
347	16.942	16.912	16.962	VV	1515	25070	0.33%	0.064%
348	16.969	16.962	17.004	VV	738	9412	0.12%	0.024%
349	17.009	17.004	17.013	VV	211	1045	0.01%	0.003%
350	17.018	17.013	17.034	VV	306	2344	0.03%	0.006%
351	17.040	17.034	17.045	VV	238	1156	0.02%	0.003%

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352	17.085	17.045	17.106	VV	559	9676	0.13%	0.025%
353	17.127	17.112	17.132	VV	301	1694	0.02%	0.004%
354	17.175	17.132	17.200	VV	307	7453	0.10%	0.019%
355	17.212	17.200	17.235	VV	432	5522	0.07%	0.014%
356	17.274	17.235	17.293	VV	975	21701	0.29%	0.055%
357	17.300	17.293	17.312	VV	658	6119	0.08%	0.016%
358	17.338	17.312	17.367	VV	1847	26630	0.35%	0.068%
359	17.394	17.380	17.399	PV	260	1675	0.02%	0.004%
360	17.420	17.399	17.432	VV	366	5118	0.07%	0.013%
361	17.440	17.432	17.459	VV	417	4126	0.05%	0.010%
362	17.463	17.459	17.509	VB	306	3485	0.05%	0.009%
363	17.530	17.510	17.547	BV	308	3188	0.04%	0.008%
364	17.555	17.547	17.565	VV	322	3275	0.04%	0.008%
365	17.569	17.565	17.596	VV	509	4978	0.07%	0.013%
366	17.621	17.596	17.637	PV	316	4333	0.06%	0.011%
367	17.662	17.637	17.692	VV	470	8328	0.11%	0.021%
368	17.730	17.692	17.752	VV	1557	34561	0.46%	0.088%
369	17.773	17.752	17.802	VV	1652	26549	0.35%	0.067%
370	17.832	17.802	17.842	VV	421	7008	0.09%	0.018%
371	17.863	17.842	17.890	VV	1524	22327	0.30%	0.057%
372	17.898	17.890	17.907	VV	389	3423	0.05%	0.009%
373	17.918	17.907	17.930	VV	319	3890	0.05%	0.010%
374	17.960	17.930	17.999	VV	601	12720	0.17%	0.032%
375	18.012	17.999	18.040	VV	436	7740	0.10%	0.020%
376	18.054	18.040	18.074	PV	328	3344	0.04%	0.008%
377	18.130	18.074	18.172	PV	8056	178813	2.37%	0.454%
378	18.195	18.172	18.265	VV	3619	82528	1.09%	0.210%
379	18.284	18.265	18.308	VV	853	17076	0.23%	0.043%
380	18.323	18.308	18.374	VV	630	18617	0.25%	0.047%
381	18.407	18.374	18.425	VV	930	18731	0.25%	0.048%
382	18.442	18.425	18.456	VV	666	10512	0.14%	0.027%
383	18.464	18.456	18.490	VV	531	8560	0.11%	0.022%
384	18.601	18.490	18.629	VV	1984	66376	0.88%	0.169%
385	18.634	18.629	18.674	VV	1390	17967	0.24%	0.046%
386	18.705	18.674	18.769	VV	1484	49753	0.66%	0.126%
387	18.783	18.769	18.806	VV	642	13487	0.18%	0.034%
388	18.817	18.806	18.831	VV	547	7413	0.10%	0.019%
389	18.889	18.831	18.907	VV	845	28713	0.38%	0.073%
390	18.959	18.907	18.989	VV	9378	187490	2.49%	0.476%
391	19.011	18.989	19.050	VV	4187	107862	1.43%	0.274%
392	19.093	19.050	19.114	VV	1836	58150	0.77%	0.148%
393	19.178	19.114	19.188	VV	1962	72392	0.96%	0.184%
394	19.198	19.188	19.224	VV	1945	36961	0.49%	0.094%
395	19.247	19.224	19.282	VV	1956	58156	0.77%	0.148%
396	19.325	19.282	19.335	VV	1816	53086	0.70%	0.135%
397	19.381	19.335	19.406	VV	2893	95502	1.27%	0.243%
398	19.420	19.406	19.437	VV	2350	39112	0.52%	0.099%
399	19.487	19.437	19.520	VV	3332	126068	1.67%	0.320%
400	19.563	19.520	19.585	VV	3051	101719	1.35%	0.259%
401	19.671	19.585	19.710	VV	3150	216486	2.87%	0.550%
402	19.757	19.710	19.789	VV	4353	170059	2.25%	0.432%
403	19.799	19.789	19.825	VV	3524	72909	0.97%	0.185%
404	19.856	19.825	19.867	VV	3488	83082	1.10%	0.211%

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405	19.872	19.867	19.879	VV	3437	23694	0.31%	0.060%
406	19.942	19.879	19.951	VV	4134	160823	2.13%	0.409%
407	20.031	19.951	20.062	VV	6554	328717	4.36%	0.835%
408	20.123	20.062	20.149	VV	5803	266309	3.53%	0.677%
409	20.199	20.149	20.225	VV	6055	268052	3.55%	0.681%
410	20.238	20.225	20.254	VV	5878	99404	1.32%	0.253%
411	20.284	20.254	20.317	VV	7276	241800	3.21%	0.615%
412	20.472	20.317	20.507	VV	7375	754618	10.00%	1.918%
413	20.567	20.507	20.604	VV	7113	404164	5.36%	1.027%
414	20.652	20.604	20.695	VV	7102	373566	4.95%	0.949%
415	20.708	20.695	20.755	VV	6473	225241	2.99%	0.572%
416	20.770	20.755	20.819	VV	6266	233227	3.09%	0.593%
417	20.829	20.819	20.844	VV	6059	88679	1.18%	0.225%
418	20.859	20.844	20.930	VV	6240	296741	3.93%	0.754%
419	20.936	20.930	20.979	VV	5313	149790	1.99%	0.381%
420	20.991	20.979	21.065	VV	5067	247240	3.28%	0.628%
421	21.073	21.065	21.135	VV	4679	187329	2.48%	0.476%
422	21.157	21.135	21.248	VV	4518	276771	3.67%	0.703%
423	21.275	21.248	21.350	VV	3736	216325	2.87%	0.550%
424	21.366	21.350	21.392	VV	3295	80208	1.06%	0.204%
425	21.418	21.392	21.460	VV	3317	128789	1.71%	0.327%
426	21.472	21.460	21.497	VV	3088	65628	0.87%	0.167%
427	21.507	21.497	21.522	VV	3004	43293	0.57%	0.110%
428	21.531	21.522	21.595	VV	2937	112750	1.49%	0.287%
429	21.614	21.595	21.622	VV	2282	35929	0.48%	0.091%
430	21.641	21.622	21.682	VV	2157	71802	0.95%	0.182%
431	21.690	21.682	21.700	VV	1978	20700	0.27%	0.053%
432	21.719	21.700	21.730	VV	1830	31281	0.41%	0.079%
433	21.745	21.730	21.757	VV	1808	27567	0.37%	0.070%
434	21.768	21.757	21.809	VV	1742	50023	0.66%	0.127%
435	21.837	21.809	21.880	VV	1675	65439	0.87%	0.166%
436	21.899	21.880	21.929	VV	1616	42427	0.56%	0.108%
437	21.936	21.929	21.950	VV	1515	17606	0.23%	0.045%
438	21.963	21.950	22.072	VV	1358	58503	0.78%	0.149%
439	22.093	22.072	22.154	VV	412	9858	0.13%	0.025%
440	22.159	22.154	22.180	VBA	150	6678	0.09%	0.017%

Sum of corrected areas: 39348491

Aromatic EPH 040725.M Fri Apr 11 01:44:39 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
Data File : FC068541.D
Signal(s) : FID1A.ch
Acq On : 10 Apr 2025 01:18
Operator : YP/AJ
Sample : Q1746-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-158-GW01

Integration File: autoint1.e
Quant Time: Apr 10 05:28:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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			
12) S 1-chlorooctadecane (S...	13.152	5317650	57.244 ug/ml
Spiked Amount	50.000	Recovery	= 114.49%

Target Compounds

(f)=RT Delta > 1/2 Window

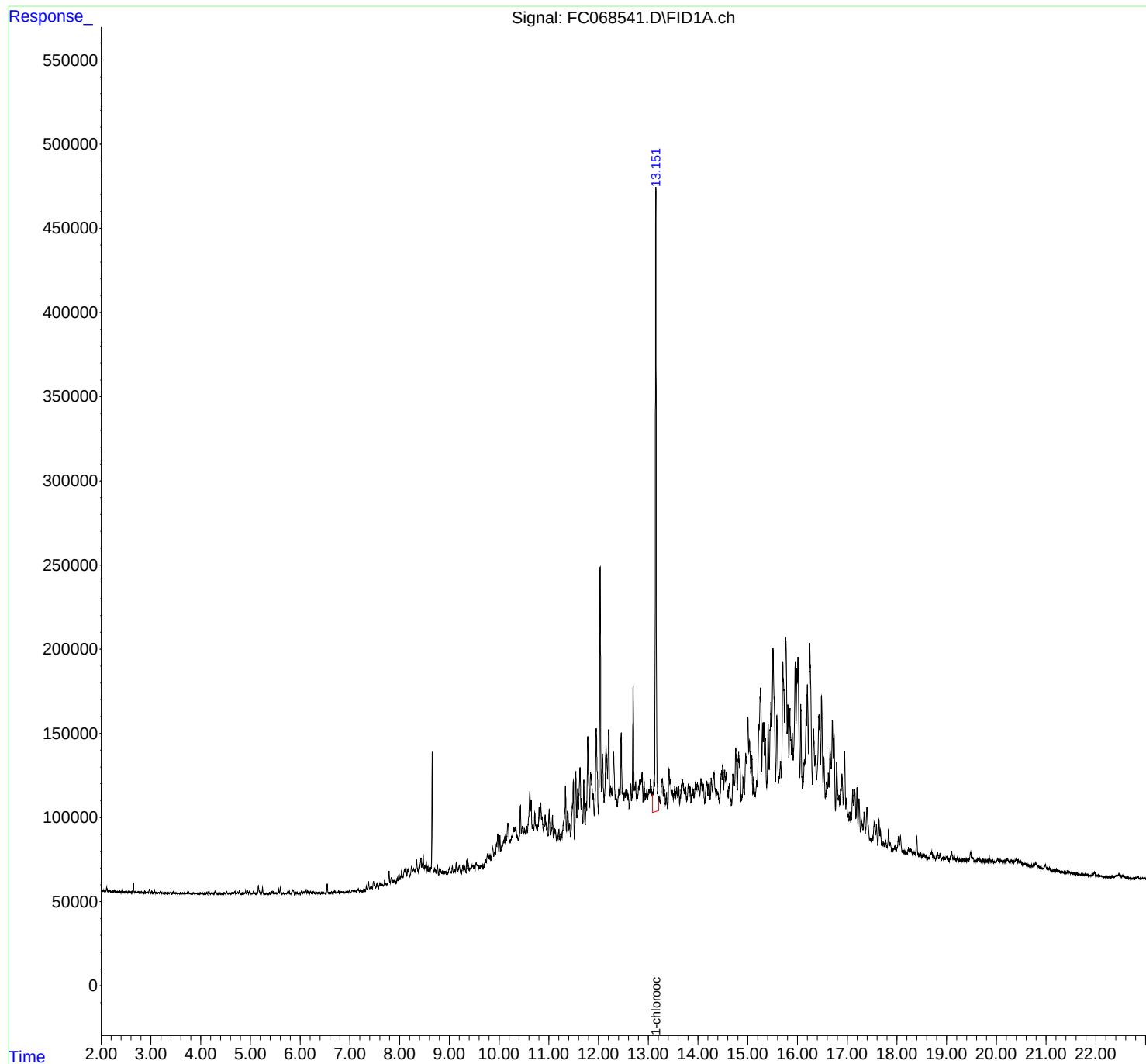
(m)=manual int.

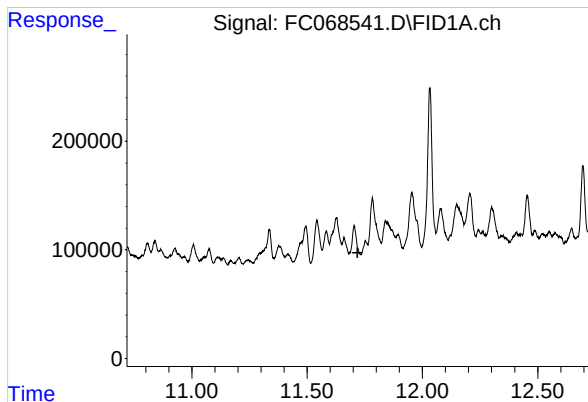
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
Data File : FC068541.D
Signal(s) : FID1A.ch
Acq On : 10 Apr 2025 01:18
Operator : YP/AJ
Sample : Q1746-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-158-GW01

Integration File: autoint1.e
Quant Time: Apr 10 05:28:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

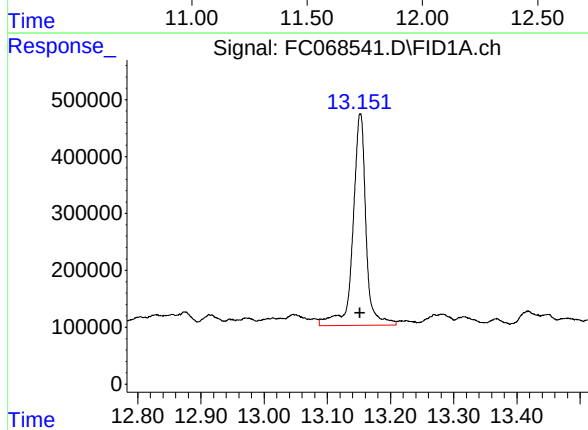




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.719 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-158-GW01



#12 1-chlorooctadecane (SURR)

R.T.: 13.152 min
Delta R.T.: 0.000 min
Response: 5317650
Conc: 57.24 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
 Data File : FC068541.D
 Signal(s) : FID1A.ch
 Acq On : 10 Apr 2025 01:18
 Sample : Q1746-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	2.327	2.304	2.398	BV	140	3579	0.04%	0.001%
2	2.418	2.398	2.481	PV	742	6739	0.08%	0.002%
3	2.487	2.481	2.504	VV	67	699	0.01%	0.000%
4	2.530	2.504	2.541	PV	80	1058	0.01%	0.000%
5	2.573	2.541	2.615	VV	485	5519	0.06%	0.002%
6	2.647	2.615	2.667	PV	5778	44849	0.52%	0.014%
7	2.685	2.667	2.701	VV	526	5151	0.06%	0.002%
8	2.712	2.701	2.764	VV	159	4830	0.06%	0.001%
9	2.779	2.764	2.801	VV	218	3190	0.04%	0.001%
10	2.815	2.801	2.861	VV	269	4529	0.05%	0.001%
11	2.879	2.861	2.921	VV	687	7854	0.09%	0.002%
12	2.932	2.921	2.939	PV	93	667	0.01%	0.000%
13	2.969	2.939	3.004	VV	2400	30294	0.35%	0.009%
14	3.018	3.004	3.047	VV	674	7438	0.09%	0.002%
15	3.069	3.047	3.133	VV	2121	21244	0.25%	0.007%
16	3.150	3.133	3.174	VV	166	3085	0.04%	0.001%
17	3.198	3.174	3.258	VV	1535	15651	0.18%	0.005%
18	3.270	3.258	3.281	VV	112	1244	0.01%	0.000%
19	3.302	3.281	3.312	VV	138	1735	0.02%	0.001%
20	3.317	3.312	3.351	VV	101	1449	0.02%	0.000%
21	3.378	3.351	3.423	PV	192	4629	0.05%	0.001%
22	3.446	3.423	3.465	VV	518	5928	0.07%	0.002%
23	3.478	3.465	3.544	VV	149	1588	0.02%	0.000%
24	3.550	3.544	3.608	PV	78	1291	0.02%	0.000%
25	3.618	3.608	3.640	VV	85	973	0.01%	0.000%
26	3.649	3.640	3.661	VV	83	707	0.01%	0.000%
27	3.726	3.661	3.738	VV	193	3936	0.05%	0.001%
28	3.755	3.738	3.807	PV	535	8278	0.10%	0.003%
29	3.823	3.807	3.847	VV	192	1954	0.02%	0.001%
30	3.861	3.847	3.900	VV	125	2184	0.03%	0.001%
31	3.910	3.900	3.931	VV	101	1114	0.01%	0.000%
32	3.947	3.931	3.988	VV	329	4905	0.06%	0.002%
33	3.994	3.988	4.014	VV	176	1231	0.01%	0.000%
34	4.033	4.014	4.084	VV	333	4558	0.05%	0.001%
35	4.121	4.084	4.133	PV	541	6562	0.08%	0.002%
36	4.148	4.133	4.167	VV	1170	11259	0.13%	0.003%

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37	4.179	4.167	4.199	VV	168	2144	0.03%	0.001%
38	4.217	4.199	4.243	VV	223	2356	0.03%	0.001%
39	4.292	4.243	4.328	VV	942	16302	0.19%	0.005%
40	4.344	4.328	4.353	VV	161	1510	0.02%	0.000%
41	4.359	4.353	4.365	VV	113	515	0.01%	0.000%
42	4.374	4.365	4.384	VV	78	825	0.01%	0.000%
43	4.392	4.384	4.411	VV	127	1182	0.01%	0.000%
44	4.418	4.411	4.431	VV	103	871	0.01%	0.000%
45	4.480	4.431	4.504	VV	177	4834	0.06%	0.001%
46	4.522	4.504	4.558	VV	1591	18393	0.21%	0.006%
47	4.568	4.558	4.587	VV	396	4389	0.05%	0.001%
48	4.596	4.587	4.613	VV	172	2128	0.02%	0.001%
49	4.634	4.613	4.658	VV	341	5587	0.07%	0.002%
50	4.690	4.658	4.714	PV	1296	17405	0.20%	0.005%
51	4.747	4.714	4.761	VV	1063	13720	0.16%	0.004%
52	4.777	4.761	4.798	VV	1830	17756	0.21%	0.005%
53	4.812	4.798	4.843	VV	135	1924	0.02%	0.001%
54	4.878	4.843	4.888	VV	465	5847	0.07%	0.002%
55	4.905	4.888	4.924	VV	1625	15331	0.18%	0.005%
56	4.944	4.924	4.964	VV	1697	19111	0.22%	0.006%
57	4.978	4.964	5.028	VV	1420	15627	0.18%	0.005%
58	5.057	5.028	5.072	PV	1004	9883	0.12%	0.003%
59	5.080	5.072	5.112	VV	347	3882	0.05%	0.001%
60	5.133	5.112	5.140	VV	734	6621	0.08%	0.002%
61	5.161	5.140	5.199	VV	5004	73409	0.86%	0.023%
62	5.218	5.199	5.228	VV	955	10669	0.12%	0.003%
63	5.244	5.228	5.285	VV	3722	35280	0.41%	0.011%
64	5.299	5.285	5.321	VV	159	2197	0.03%	0.001%
65	5.354	5.321	5.370	VV	263	4228	0.05%	0.001%
66	5.387	5.370	5.412	VV	379	5297	0.06%	0.002%
67	5.437	5.412	5.474	VV	1463	25973	0.30%	0.008%
68	5.493	5.474	5.504	VV	288	4057	0.05%	0.001%
69	5.512	5.504	5.541	VV	280	4619	0.05%	0.001%
70	5.565	5.541	5.583	VV	2686	29793	0.35%	0.009%
71	5.602	5.583	5.624	VV	3697	37425	0.44%	0.012%
72	5.636	5.624	5.647	VV	214	2372	0.03%	0.001%
73	5.661	5.647	5.686	VV	467	5088	0.06%	0.002%
74	5.723	5.686	5.733	VV	260	4518	0.05%	0.001%
75	5.755	5.733	5.769	VV	1717	17755	0.21%	0.005%
76	5.781	5.769	5.801	VV	1168	11016	0.13%	0.003%
77	5.807	5.801	5.823	VV	189	1835	0.02%	0.001%
78	5.851	5.823	5.888	VV	2199	44998	0.53%	0.014%
79	5.905	5.888	5.924	PV	777	8244	0.10%	0.003%
80	5.938	5.924	5.961	VV	940	9566	0.11%	0.003%
81	5.974	5.961	6.003	VV	417	7133	0.08%	0.002%
82	6.022	6.003	6.044	VV	979	12534	0.15%	0.004%
83	6.079	6.044	6.098	VV	890	18861	0.22%	0.006%
84	6.119	6.098	6.135	VV	2471	27704	0.32%	0.009%
85	6.148	6.135	6.183	VV	1321	18476	0.22%	0.006%
86	6.206	6.183	6.234	PV	1406	17874	0.21%	0.006%
87	6.266	6.234	6.286	VV	1187	15690	0.18%	0.005%
88	6.311	6.286	6.325	VV	402	7249	0.08%	0.002%
89	6.333	6.325	6.358	VV	381	5278	0.06%	0.002%

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90	6.386	6.358	6.411	VV	818	14519	0.17%	0.004%
91	6.429	6.411	6.456	VV	363	5848	0.07%	0.002%
92	6.472	6.456	6.501	VV	557	6117	0.07%	0.002%
93	6.545	6.501	6.571	PV	5668	57757	0.67%	0.018%
94	6.580	6.571	6.618	VV	243	5480	0.06%	0.002%
95	6.631	6.618	6.647	VV	609	6516	0.08%	0.002%
96	6.666	6.647	6.679	VV	939	11632	0.14%	0.004%
97	6.696	6.679	6.716	VV	1604	18276	0.21%	0.006%
98	6.735	6.716	6.751	VV	734	9616	0.11%	0.003%
99	6.771	6.751	6.796	VV	1064	16941	0.20%	0.005%
100	6.827	6.796	6.871	VV	752	18785	0.22%	0.006%
101	6.887	6.871	6.901	VV	412	5226	0.06%	0.002%
102	6.950	6.901	6.971	VV	554	17906	0.21%	0.006%
103	6.990	6.971	7.018	VV	1290	18421	0.21%	0.006%
104	7.045	7.018	7.081	VV	1546	34824	0.41%	0.011%
105	7.106	7.081	7.127	VV	1178	25473	0.30%	0.008%
106	7.172	7.127	7.194	VV	2003	58051	0.68%	0.018%
107	7.207	7.194	7.228	VV	1305	19278	0.22%	0.006%
108	7.241	7.228	7.257	VV	790	11861	0.14%	0.004%
109	7.283	7.257	7.311	VV	2181	47772	0.56%	0.015%
110	7.333	7.311	7.349	VV	3877	53094	0.62%	0.016%
111	7.376	7.349	7.399	VV	6271	110667	1.29%	0.034%
112	7.412	7.399	7.422	VV	2820	34427	0.40%	0.011%
113	7.437	7.422	7.451	VV	3492	50527	0.59%	0.016%
114	7.477	7.451	7.521	VV	6432	181117	2.11%	0.056%
115	7.543	7.521	7.573	VV	4530	114106	1.33%	0.035%
116	7.604	7.573	7.636	VV	5229	152325	1.78%	0.047%
117	7.655	7.636	7.680	VV	4267	105093	1.23%	0.033%
118	7.701	7.680	7.746	VV	7226	206338	2.41%	0.064%
119	7.789	7.746	7.812	VV	12418	285941	3.34%	0.088%
120	7.835	7.812	7.872	VV	8523	246194	2.87%	0.076%
121	7.889	7.872	7.915	VV	6835	153609	1.79%	0.048%
122	7.953	7.915	7.965	VV	8149	193953	2.26%	0.060%
123	7.990	7.965	8.008	VV	10727	231247	2.70%	0.072%
124	8.043	8.008	8.065	VV	12754	326021	3.80%	0.101%
125	8.097	8.065	8.108	VV	13161	283915	3.31%	0.088%
126	8.126	8.108	8.148	VV	14404	300989	3.51%	0.093%
127	8.166	8.148	8.205	VV	12700	383126	4.47%	0.119%
128	8.240	8.205	8.266	VV	14441	443832	5.18%	0.137%
129	8.281	8.266	8.308	VV	13339	316588	3.69%	0.098%
130	8.344	8.308	8.374	VV	18772	569479	6.64%	0.176%
131	8.395	8.374	8.405	VV	15268	256946	3.00%	0.080%
132	8.431	8.405	8.447	VV	19926	424494	4.95%	0.131%
133	8.475	8.447	8.496	VV	21026	494760	5.77%	0.153%
134	8.537	8.496	8.558	VV	17756	560868	6.54%	0.174%
135	8.571	8.558	8.585	VV	14716	215219	2.51%	0.067%
136	8.601	8.585	8.616	VV	14013	245226	2.86%	0.076%
137	8.657	8.616	8.686	VV	82830	1206789	14.08%	0.373%
138	8.706	8.686	8.738	VV	13643	375478	4.38%	0.116%
139	8.764	8.738	8.784	VV	14819	355220	4.14%	0.110%
140	8.803	8.784	8.817	VV	12980	227037	2.65%	0.070%
141	8.827	8.817	8.847	VV	12338	207534	2.42%	0.064%

rteres								
142	8.864	8.847	8.890	VV	11601	285252	3.33%	0.088%
143	8.917	8.890	8.950	VV	11552	386466	4.51%	0.120%
144	9.003	8.950	9.044	VV	13242	649069	7.57%	0.201%
145	9.062	9.044	9.083	VV	14568	286222	3.34%	0.089%
146	9.101	9.083	9.118	VV	12598	249285	2.91%	0.077%
147	9.139	9.118	9.159	VV	16545	326889	3.81%	0.101%
148	9.201	9.159	9.237	VV	14927	591163	6.90%	0.183%
149	9.273	9.237	9.293	VV	14694	416230	4.86%	0.129%
150	9.312	9.293	9.333	VV	13718	298715	3.49%	0.092%
151	9.353	9.333	9.370	VV	17940	321104	3.75%	0.099%
152	9.383	9.370	9.398	VV	14991	229443	2.68%	0.071%
153	9.477	9.398	9.491	VV	14905	749095	8.74%	0.232%
154	9.504	9.491	9.518	VV	14885	227608	2.66%	0.070%
155	9.539	9.518	9.586	VV	16163	600772	7.01%	0.186%
156	9.601	9.586	9.617	VV	14105	251686	2.94%	0.078%
157	9.634	9.617	9.651	VV	14952	290571	3.39%	0.090%
158	9.663	9.651	9.681	VV	14600	241859	2.82%	0.075%
159	9.697	9.681	9.708	VV	15420	231026	2.70%	0.071%
160	9.728	9.708	9.742	VV	18124	331507	3.87%	0.103%
161	9.778	9.742	9.808	VV	20684	758892	8.86%	0.235%
162	9.820	9.808	9.835	VV	20168	312175	3.64%	0.097%
163	9.871	9.835	9.895	VV	25019	785528	9.17%	0.243%
164	9.948	9.895	9.956	VV	27403	857940	10.01%	0.265%
165	9.975	9.956	9.998	VV	33202	705911	8.24%	0.218%
166	10.019	9.998	10.034	VV	31873	582517	6.80%	0.180%
167	10.091	10.034	10.100	VV	29112	1036626	12.10%	0.321%
168	10.115	10.100	10.129	VV	31256	528491	6.17%	0.164%
169	10.179	10.129	10.209	VV	39479	1574511	18.37%	0.487%
170	10.222	10.209	10.230	VV	29523	359348	4.19%	0.111%
171	10.254	10.230	10.267	VV	31707	674255	7.87%	0.209%
172	10.292	10.267	10.308	VV	36634	836199	9.76%	0.259%
173	10.321	10.308	10.332	VV	37148	516677	6.03%	0.160%
174	10.340	10.332	10.391	VV	36692	1150258	13.42%	0.356%
175	10.429	10.391	10.451	VV	49640	1339654	15.63%	0.415%
176	10.469	10.451	10.493	VV	37207	887592	10.36%	0.275%
177	10.508	10.493	10.529	VV	35947	738079	8.61%	0.228%
178	10.553	10.529	10.568	VV	37070	842687	9.83%	0.261%
179	10.620	10.568	10.637	VV	58290	1870881	21.83%	0.579%
180	10.647	10.637	10.668	VV	52698	834248	9.73%	0.258%
181	10.677	10.668	10.698	VV	37862	660477	7.71%	0.204%
182	10.720	10.698	10.770	VV	45201	1655708	19.32%	0.512%
183	10.808	10.770	10.823	VV	48552	1320559	15.41%	0.409%
184	10.840	10.823	10.894	VV	51375	1788746	20.87%	0.554%
185	10.927	10.894	10.958	VV	43986	1483364	17.31%	0.459%
186	10.967	10.958	10.983	VV	35875	515485	6.01%	0.160%
187	11.007	10.983	11.034	VV	47233	1169568	13.65%	0.362%
188	11.075	11.034	11.094	VV	43195	1299093	15.16%	0.402%
189	11.112	11.094	11.127	VV	35547	659543	7.70%	0.204%
190	11.136	11.127	11.155	VV	35013	545600	6.37%	0.169%
191	11.169	11.155	11.184	VV	32008	542917	6.34%	0.168%
192	11.204	11.184	11.224	VV	35121	763153	8.90%	0.236%
193	11.245	11.224	11.265	VV	33008	768983	8.97%	0.238%
194	11.336	11.265	11.356	VV	61190	2274770	26.54%	0.704%

rteres								
195	11.379	11.356	11.405	VV	45320	1176482	13.73%	0.364%
196	11.417	11.405	11.441	VV	38519	771635	9.00%	0.239%
197	11.494	11.441	11.516	VV	64156	2048398	23.90%	0.634%
198	11.543	11.516	11.565	VV	69414	1484547	17.32%	0.459%
199	11.583	11.565	11.597	VV	59268	980851	11.45%	0.304%
200	11.627	11.597	11.651	VV	71385	1893750	22.10%	0.586%
201	11.661	11.651	11.683	VV	52752	889098	10.37%	0.275%
202	11.704	11.683	11.733	VV	64204	1450383	16.92%	0.449%
203	11.783	11.733	11.821	VV	89160	3073455	35.86%	0.951%
204	11.842	11.821	11.884	VV	67415	2271972	26.51%	0.703%
205	11.894	11.884	11.915	VV	55841	967934	11.29%	0.300%
206	11.954	11.915	11.997	VV	94133	3197047	37.30%	0.989%
207	12.032	11.997	12.060	VV	191911	3717105	43.37%	1.150%
208	12.079	12.060	12.111	VV	79815	2022400	23.60%	0.626%
209	12.149	12.111	12.182	VV	83440	2931976	34.21%	0.907%
210	12.206	12.182	12.231	VV	93130	2226222	25.98%	0.689%
211	12.243	12.231	12.274	VV	59965	1459933	17.04%	0.452%
212	12.302	12.274	12.334	VV	79691	2368414	27.64%	0.733%
213	12.345	12.334	12.381	VV	54399	1459483	17.03%	0.452%
214	12.408	12.381	12.425	VV	57898	1446576	16.88%	0.448%
215	12.455	12.425	12.478	VV	91739	2187895	25.53%	0.677%
216	12.488	12.478	12.505	VV	58878	915227	10.68%	0.283%
217	12.521	12.505	12.534	VV	56056	946202	11.04%	0.293%
218	12.550	12.534	12.563	VV	58124	974444	11.37%	0.302%
219	12.576	12.563	12.614	VV	57086	1641765	19.16%	0.508%
220	12.647	12.614	12.665	VV	61495	1641271	19.15%	0.508%
221	12.696	12.665	12.721	VV	118979	2536328	29.60%	0.785%
222	12.745	12.721	12.763	VV	61720	1467696	17.13%	0.454%
223	12.774	12.763	12.784	VV	54070	676844	7.90%	0.209%
224	12.829	12.784	12.839	VV	63150	1940872	22.65%	0.601%
225	12.874	12.839	12.895	VV	68179	2081899	24.29%	0.644%
226	12.915	12.895	12.937	VV	62675	1436627	16.76%	0.445%
227	12.972	12.937	12.988	VV	57327	1662068	19.39%	0.514%
228	13.048	12.988	13.088	VV	63101	3424113	39.95%	1.060%
229	13.152	13.088	13.209	VV	417381	8570045	100.00%	2.652%
230	13.224	13.209	13.244	VV	52762	1057687	12.34%	0.327%
231	13.281	13.244	13.301	VV	63652	2022541	23.60%	0.626%
232	13.316	13.301	13.349	VV	59432	1554535	18.14%	0.481%
233	13.367	13.349	13.390	VV	55806	1263415	14.74%	0.391%
234	13.417	13.390	13.438	VV	69529	1728246	20.17%	0.535%
235	13.448	13.438	13.465	VV	63163	973494	11.36%	0.301%
236	13.480	13.465	13.505	VV	56745	1330915	15.53%	0.412%
237	13.531	13.505	13.551	VV	58965	1548100	18.06%	0.479%
238	13.572	13.551	13.594	VV	58344	1428942	16.67%	0.442%
239	13.612	13.594	13.631	VV	58710	1200379	14.01%	0.371%
240	13.690	13.631	13.724	VV	62827	3224942	37.63%	0.998%
241	13.745	13.724	13.774	VV	57761	1663019	19.41%	0.515%
242	13.810	13.774	13.823	VV	60633	1636992	19.10%	0.507%
243	13.839	13.823	13.859	VV	58077	1168967	13.64%	0.362%
244	13.903	13.859	13.918	VV	57406	1914348	22.34%	0.592%
245	13.949	13.918	13.971	VV	60369	1822793	21.27%	0.564%
246	13.987	13.971	14.001	VV	60689	1073779	12.53%	0.332%

rteres								
247	14.016	14.001	14.035	VV	59726	1175285	13.71%	0.364%
248	14.061	14.035	14.092	VV	63134	1995098	23.28%	0.617%
249	14.105	14.092	14.138	VV	59510	1508633	17.60%	0.467%
250	14.174	14.138	14.195	VV	61759	1979518	23.10%	0.613%
251	14.223	14.195	14.245	VV	60916	1706909	19.92%	0.528%
252	14.266	14.245	14.294	VV	63570	1733481	20.23%	0.536%
253	14.319	14.294	14.363	VV	66918	2455774	28.66%	0.760%
254	14.379	14.363	14.431	VV	56152	2195439	25.62%	0.679%
255	14.473	14.431	14.482	VV	67752	1820313	21.24%	0.563%
256	14.496	14.482	14.514	VV	71141	1268875	14.81%	0.393%
257	14.534	14.514	14.551	VV	67291	1401822	16.36%	0.434%
258	14.566	14.551	14.607	VV	67014	1991246	23.23%	0.616%
259	14.628	14.607	14.674	VV	60085	2154057	25.13%	0.667%
260	14.700	14.674	14.734	VV	65193	2129040	24.84%	0.659%
261	14.758	14.734	14.788	VV	81350	2251852	26.28%	0.697%
262	14.817	14.788	14.868	VV	78338	3183925	37.15%	0.985%
263	14.907	14.868	14.929	VV	63003	2073798	24.20%	0.642%
264	14.958	14.929	14.973	VV	77437	1770717	20.66%	0.548%
265	14.999	14.973	15.019	VV	98947	2388677	27.87%	0.739%
266	15.035	15.019	15.065	VV	85528	2147929	25.06%	0.665%
267	15.082	15.065	15.103	VV	76615	1535570	17.92%	0.475%
268	15.120	15.103	15.144	VV	64163	1429196	16.68%	0.442%
269	15.178	15.144	15.188	VV	61450	1474040	17.20%	0.456%
270	15.258	15.188	15.281	VV	116471	5043822	58.85%	1.561%
271	15.299	15.281	15.311	VV	95955	1529397	17.85%	0.473%
272	15.322	15.311	15.337	VV	95711	1384958	16.16%	0.429%
273	15.349	15.337	15.378	VV	85840	1856421	21.66%	0.574%
274	15.409	15.378	15.430	VV	94818	2305978	26.91%	0.714%
275	15.466	15.430	15.480	VV	106217	2783672	32.48%	0.861%
276	15.508	15.480	15.558	VV	139618	4974954	58.05%	1.539%
277	15.585	15.558	15.616	VV	99907	2764182	32.25%	0.855%
278	15.625	15.616	15.631	VV	63909	575407	6.71%	0.178%
279	15.657	15.631	15.674	VV	72617	1747162	20.39%	0.541%
280	15.705	15.674	15.738	VV	131574	4038999	47.13%	1.250%
281	15.764	15.738	15.793	VV	144888	3960389	46.21%	1.225%
282	15.807	15.793	15.826	VV	105528	1882083	21.96%	0.582%
283	15.845	15.826	15.879	VV	103346	2817694	32.88%	0.872%
284	15.894	15.879	15.913	VV	89294	1658665	19.35%	0.513%
285	15.953	15.913	15.970	VV	131881	3453366	40.30%	1.069%
286	16.007	15.970	16.044	VV	134031	4732569	55.22%	1.464%
287	16.065	16.044	16.101	VV	106254	2647414	30.89%	0.819%
288	16.138	16.101	16.146	VV	73108	1762190	20.56%	0.545%
289	16.197	16.146	16.218	VV	117134	4064729	47.43%	1.258%
290	16.246	16.218	16.299	VV	141869	4981772	58.13%	1.542%
291	16.323	16.299	16.348	VV	91329	2256079	26.33%	0.698%
292	16.360	16.348	16.383	VV	75072	1474152	17.20%	0.456%
293	16.430	16.383	16.463	VV	100056	3928291	45.84%	1.216%
294	16.483	16.463	16.513	VV	110579	2578483	30.09%	0.798%
295	16.531	16.513	16.559	VV	74412	1712846	19.99%	0.530%
296	16.589	16.559	16.603	VV	59942	1477925	17.25%	0.457%
297	16.620	16.603	16.631	VV	65254	1009249	11.78%	0.312%
298	16.655	16.631	16.680	VV	79324	2060155	24.04%	0.637%
299	16.701	16.680	16.718	VV	95623	1932268	22.55%	0.598%

					rteres			
300	16.734	16.718	16.763	VV	89253	1871568	21.84%	0.579%
301	16.788	16.763	16.831	VV	70739	2313038	26.99%	0.716%
302	16.836	16.831	16.851	VV	51132	582933	6.80%	0.180%
303	16.894	16.851	16.920	VV	63235	2279881	26.60%	0.705%
304	16.946	16.920	16.972	VV	78118	1850953	21.60%	0.573%
305	16.986	16.972	17.008	VV	49805	1001147	11.68%	0.310%
306	17.018	17.008	17.037	VV	40181	683857	7.98%	0.212%
307	17.054	17.037	17.072	VV	41657	802300	9.36%	0.248%
308	17.110	17.072	17.129	VV	55007	1558052	18.18%	0.482%
309	17.150	17.129	17.175	VV	54422	1337875	15.61%	0.414%
310	17.195	17.175	17.215	VV	55789	1094046	12.77%	0.339%
311	17.237	17.215	17.267	VV	49190	1228905	14.34%	0.380%
312	17.289	17.267	17.319	VV	35744	1055379	12.31%	0.327%
313	17.338	17.319	17.361	VV	41476	894921	10.44%	0.277%
314	17.395	17.361	17.480	VV	44083	2291449	26.74%	0.709%
315	17.544	17.480	17.574	VV	35243	1644970	19.19%	0.509%
316	17.587	17.574	17.614	VV	33873	686512	8.01%	0.212%
317	17.639	17.614	17.656	VV	36980	749201	8.74%	0.232%
318	17.668	17.656	17.709	VV	30775	809409	9.44%	0.250%
319	17.726	17.709	17.755	VV	23529	631280	7.37%	0.195%
320	17.772	17.755	17.804	VV	24778	647383	7.55%	0.200%
321	17.829	17.804	17.854	VV	30490	744471	8.69%	0.230%
322	17.864	17.854	17.910	VV	23148	689591	8.05%	0.213%
323	17.967	17.910	17.986	VV	20549	882010	10.29%	0.273%
324	18.028	17.986	18.048	VV	26783	825995	9.64%	0.256%
325	18.068	18.048	18.108	VV	26791	793843	9.26%	0.246%
326	18.115	18.108	18.121	VV	18004	140938	1.64%	0.044%
327	18.131	18.121	18.192	VV	18368	738597	8.62%	0.229%
328	18.232	18.192	18.250	VV	20053	623878	7.28%	0.193%
329	18.274	18.250	18.314	VV	19192	690270	8.05%	0.214%
330	18.344	18.314	18.366	VV	17198	514414	6.00%	0.159%
331	18.396	18.366	18.461	VV	26869	1043401	12.17%	0.323%
332	18.481	18.461	18.499	VV	16480	352128	4.11%	0.109%
333	18.525	18.499	18.537	VV	15246	340842	3.98%	0.105%
334	18.549	18.537	18.637	VV	15888	858047	10.01%	0.266%
335	18.645	18.637	18.650	VV	13647	109005	1.27%	0.034%
336	18.672	18.650	18.684	VV	16089	308180	3.60%	0.095%
337	18.697	18.684	18.722	VV	17475	358136	4.18%	0.111%
338	18.737	18.722	18.779	VV	14884	477212	5.57%	0.148%
339	18.817	18.779	18.844	VV	16887	566430	6.61%	0.175%
340	18.865	18.844	18.897	VV	16140	453243	5.29%	0.140%
341	18.913	18.897	18.924	VV	13676	216000	2.52%	0.067%
342	18.950	18.924	18.976	VV	13767	408494	4.77%	0.126%
343	19.000	18.976	19.022	VV	14073	367815	4.29%	0.114%
344	19.031	19.022	19.048	VV	12438	187205	2.18%	0.058%
345	19.056	19.048	19.062	VV	12676	107382	1.25%	0.033%
346	19.098	19.062	19.130	VV	17529	587294	6.85%	0.182%
347	19.152	19.130	19.191	VV	15235	489148	5.71%	0.151%
348	19.218	19.191	19.267	VV	13672	566825	6.61%	0.175%
349	19.284	19.267	19.296	VV	12228	203683	2.38%	0.063%
350	19.320	19.296	19.347	VV	12172	366728	4.28%	0.113%
351	19.356	19.347	19.394	VV	12151	334390	3.90%	0.103%

rteres								
352	19.412	19.394	19.424	VV	12379	215931	2.52%	0.067%
353	19.433	19.424	19.448	VV	12217	168794	1.97%	0.052%
354	19.479	19.448	19.509	VV	16552	522119	6.09%	0.162%
355	19.525	19.509	19.601	VV	13267	650157	7.59%	0.201%
356	19.623	19.601	19.638	VV	12684	261719	3.05%	0.081%
357	19.655	19.638	19.675	VV	12760	272271	3.18%	0.084%
358	19.687	19.675	19.698	VV	11456	152819	1.78%	0.047%
359	19.720	19.698	19.754	VV	12731	388134	4.53%	0.120%
360	19.772	19.754	19.831	VV	11547	513644	5.99%	0.159%
361	19.854	19.831	19.891	VV	13601	426546	4.98%	0.132%
362	19.907	19.891	19.943	VV	11534	346189	4.04%	0.107%
363	19.959	19.943	19.974	VV	10574	190573	2.22%	0.059%
364	20.023	19.974	20.057	VV	12261	555184	6.48%	0.172%
365	20.074	20.057	20.089	VV	11338	212563	2.48%	0.066%
366	20.095	20.089	20.111	VV	11223	141601	1.65%	0.044%
367	20.131	20.111	20.168	VV	11137	367933	4.29%	0.114%
368	20.177	20.168	20.188	VV	10923	127725	1.49%	0.040%
369	20.223	20.188	20.264	VV	12230	504367	5.89%	0.156%
370	20.276	20.264	20.288	VV	10775	156780	1.83%	0.049%
371	20.301	20.288	20.351	VV	11120	398372	4.65%	0.123%
372	20.359	20.351	20.365	VV	10451	88822	1.04%	0.027%
373	20.406	20.365	20.431	VV	11897	444937	5.19%	0.138%
374	20.444	20.431	20.481	VV	10688	310260	3.62%	0.096%
375	20.491	20.481	20.529	VV	10154	271092	3.16%	0.084%
376	20.545	20.529	20.571	VV	9123	223616	2.61%	0.069%
377	20.591	20.571	20.654	VV	9265	424917	4.96%	0.131%
378	20.675	20.654	20.694	VV	8142	185428	2.16%	0.057%
379	20.714	20.694	20.731	VV	8066	176582	2.06%	0.055%
380	20.738	20.731	20.758	VV	8221	125829	1.47%	0.039%
381	20.787	20.758	20.824	VV	9142	339077	3.96%	0.105%
382	20.837	20.824	20.931	VV	7591	428986	5.01%	0.133%
383	20.937	20.931	20.947	VV	5979	55143	0.64%	0.017%
384	20.980	20.947	21.040	VV	7985	371044	4.33%	0.115%
385	21.064	21.040	21.127	VV	5998	276437	3.23%	0.086%
386	21.137	21.127	21.147	VV	4726	54250	0.63%	0.017%
387	21.159	21.147	21.195	VV	4805	135290	1.58%	0.042%
388	21.214	21.195	21.290	VV	4927	241828	2.82%	0.075%
389	21.302	21.290	21.382	VV	3833	192634	2.25%	0.060%
390	21.400	21.382	21.412	VV	3258	57557	0.67%	0.018%
391	21.439	21.412	21.487	VV	4296	162422	1.90%	0.050%
392	21.508	21.487	21.610	VV	3114	200024	2.33%	0.062%
393	21.622	21.610	21.635	VV	2444	35655	0.42%	0.011%
394	21.645	21.635	21.669	VV	2321	42366	0.49%	0.013%
395	21.685	21.669	21.718	VV	2096	58154	0.68%	0.018%
396	21.724	21.718	21.741	VV	2028	26208	0.31%	0.008%
397	21.754	21.741	21.811	VV	1939	74263	0.87%	0.023%
398	21.827	21.811	21.871	VV	1783	53466	0.62%	0.017%
399	21.886	21.871	21.907	VV	1498	28394	0.33%	0.009%
400	21.975	21.907	22.024	VV	2590	120315	1.40%	0.037%
401	22.034	22.024	22.108	VV	1290	53053	0.62%	0.016%
402	22.118	22.108	22.171	VV	766	20739	0.24%	0.006%
403	22.186	22.171	22.226	VV	588	11909	0.14%	0.004%
404	22.240	22.226	22.264	VV	208	4208	0.05%	0.001%

Sum of corrected areas: 323165526

Aliphatic EPH 040925.M Thu Apr 10 06:12:33 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040925AR\
 Data File : FD049263.D
 Signal(s) : FID2B.ch
 Acq On : 09 Apr 2025 19:45
 Operator : YP/AJ
 Sample : Q1746-05
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-158-GW01

Integration File: autoint1.e
 Quant Time: Apr 10 02:09:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 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...	7.751	6329874	42.731 ug/ml
Spiked Amount 50.000		Recovery =	85.46%
6) S 2-Fluorobiphenyl (SURR)	8.616	3651797	35.801 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	71.60%
11) S ortho-Terphenyl (SURR)	11.659	6317649	35.858 ug/ml
Spiked Amount 50.000		Recovery =	71.72%

Target Compounds

(f)=RT Delta > 1/2 Window

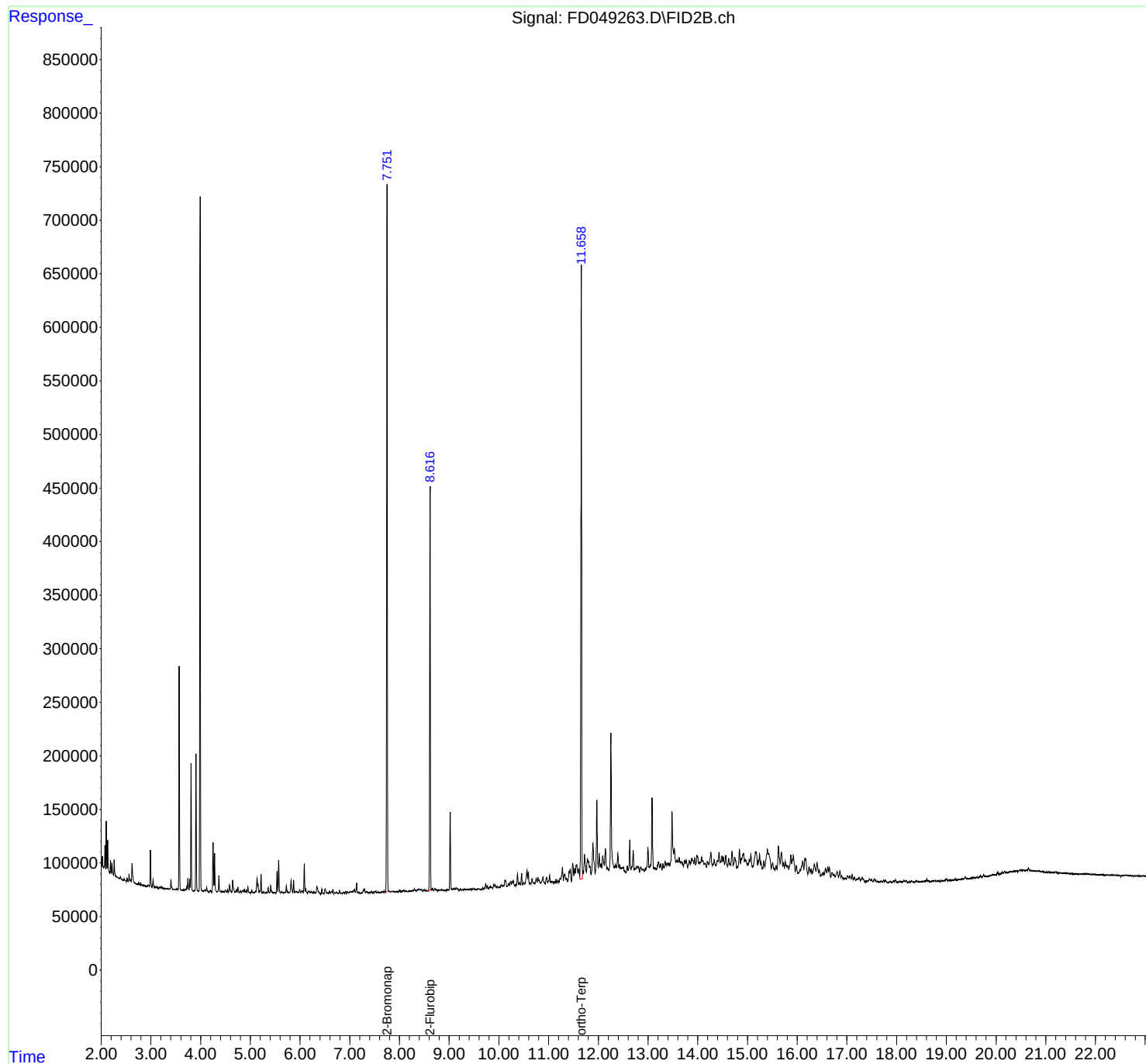
(m)=manual int.

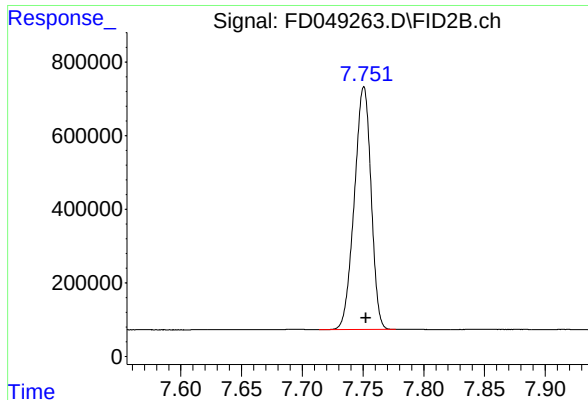
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040925AR\
Data File : FD049263.D
Signal(s) : FID2B.ch
Acq On : 09 Apr 2025 19:45
Operator : YP/AJ
Sample : Q1746-05
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-158-GW01

Integration File: autoint1.e
Quant Time: Apr 10 02:09:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

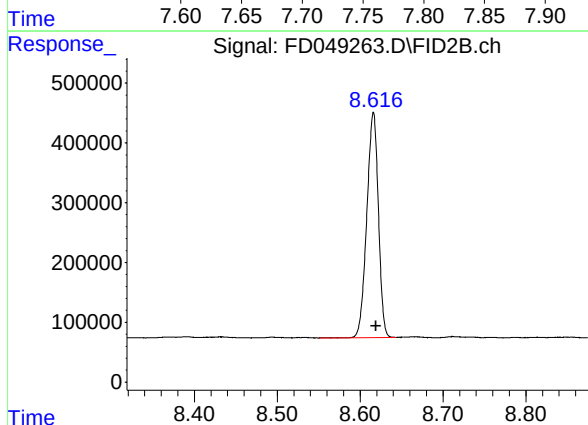




#4 2-Bromonaphthalene (SURR)

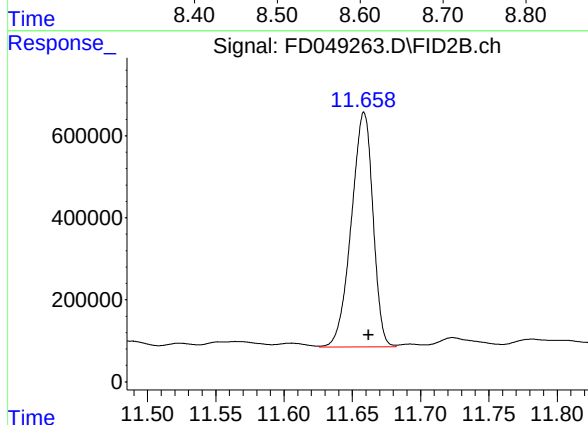
R.T.: 7.751 min
Delta R.T.: -0.002 min
Response: 6329874
Conc: 42.73 ug/ml

Instrument :
FID_D
ClientSampleId :
B-158-GW01



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.616 min
Delta R.T.: -0.003 min
Response: 3651797
Conc: 35.80 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.659 min
Delta R.T.: -0.003 min
Response: 6317649
Conc: 35.86 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040925AR\
 Data File : FD049263.D
 Signal(s) : FID2B.ch
 Acq On : 09 Apr 2025 19:45
 Sample : Q1746-05
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.072	4.042	4.084	BV	935	7495	0.11%	0.007%
2	4.093	4.084	4.108	VV	1187	10008	0.15%	0.009%
3	4.124	4.108	4.142	VV	3711	33052	0.50%	0.030%
4	4.148	4.142	4.164	VV	420	2761	0.04%	0.003%
5	4.191	4.164	4.229	PV	1279	15428	0.23%	0.014%
6	4.251	4.229	4.268	VV	45827	495597	7.45%	0.450%
7	4.281	4.268	4.329	VV	36075	334090	5.02%	0.304%
8	4.368	4.329	4.387	VV	15244	136422	2.05%	0.124%
9	4.393	4.387	4.413	VV	1038	9504	0.14%	0.009%
10	4.438	4.413	4.470	VV	502	11901	0.18%	0.011%
11	4.497	4.470	4.525	VV	2514	28902	0.43%	0.026%
12	4.542	4.525	4.559	VV	2081	19418	0.29%	0.018%
13	4.582	4.559	4.629	VV	6426	85726	1.29%	0.078%
14	4.645	4.629	4.701	VV	11575	151214	2.27%	0.137%
15	4.721	4.701	4.735	VV	2774	27187	0.41%	0.025%
16	4.751	4.735	4.782	VV	4994	50712	0.76%	0.046%
17	4.804	4.782	4.821	VV	2086	20114	0.30%	0.018%
18	4.846	4.821	4.864	VV	2253	33757	0.51%	0.031%
19	4.878	4.864	4.899	VV	3169	31760	0.48%	0.029%
20	4.917	4.899	4.934	VV	2595	29187	0.44%	0.027%
21	4.951	4.934	5.010	VV	5424	58984	0.89%	0.054%
22	5.030	5.010	5.086	PV	2672	34999	0.53%	0.032%
23	5.105	5.086	5.113	VV	1899	17538	0.26%	0.016%
24	5.136	5.113	5.174	VV	13770	238940	3.59%	0.217%
25	5.191	5.174	5.200	VV	2130	23423	0.35%	0.021%
26	5.216	5.200	5.242	VV	17712	163863	2.46%	0.149%
27	5.246	5.242	5.257	VV	677	5118	0.08%	0.005%
28	5.272	5.257	5.294	VV	1698	17127	0.26%	0.016%
29	5.324	5.294	5.340	PV	815	10553	0.16%	0.010%
30	5.358	5.340	5.389	VV	5015	55383	0.83%	0.050%
31	5.412	5.389	5.482	VV	6712	98635	1.48%	0.090%
32	5.492	5.482	5.511	VV	618	7213	0.11%	0.007%
33	5.537	5.511	5.553	VV	20765	190147	2.86%	0.173%
34	5.571	5.553	5.615	VV	31157	313279	4.71%	0.285%
35	5.630	5.615	5.684	VV	1294	31261	0.47%	0.028%
36	5.725	5.684	5.741	VV	7080	78461	1.18%	0.071%

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37	5.751	5.741	5.768	VV	1906	19059	0.29%	0.017%
38	5.778	5.768	5.787	VV	528	5199	0.08%	0.005%
39	5.819	5.787	5.854	VV	11767	170912	2.57%	0.155%
40	5.871	5.854	5.892	VV	12211	113964	1.71%	0.104%
41	5.906	5.892	5.913	VV	1759	15744	0.24%	0.014%
42	5.924	5.913	5.952	VV	1800	31326	0.47%	0.028%
43	5.959	5.952	5.974	VV	1155	11936	0.18%	0.011%
44	5.992	5.974	6.013	VV	3778	47685	0.72%	0.043%
45	6.048	6.013	6.064	VV	2495	48212	0.72%	0.044%
46	6.086	6.064	6.104	VV	27818	259947	3.91%	0.236%
47	6.115	6.104	6.152	VV	4226	55868	0.84%	0.051%
48	6.173	6.152	6.181	VV	2290	23264	0.35%	0.021%
49	6.187	6.181	6.204	VV	1985	19817	0.30%	0.018%
50	6.232	6.204	6.261	VV	2089	36883	0.55%	0.034%
51	6.277	6.261	6.291	VV	1508	17357	0.26%	0.016%
52	6.303	6.291	6.319	VV	1171	13205	0.20%	0.012%
53	6.340	6.319	6.420	VV	6456	125527	1.89%	0.114%
54	6.440	6.420	6.481	VV	4171	42654	0.64%	0.039%
55	6.506	6.481	6.547	PV	3748	69005	1.04%	0.063%
56	6.555	6.547	6.570	VV	576	6255	0.09%	0.006%
57	6.595	6.570	6.614	VV	1456	20710	0.31%	0.019%
58	6.632	6.614	6.646	VV	1912	25878	0.39%	0.024%
59	6.662	6.646	6.681	VV	3710	39432	0.59%	0.036%
60	6.696	6.681	6.712	VV	800	8939	0.13%	0.008%
61	6.734	6.712	6.762	VV	1498	19656	0.30%	0.018%
62	6.796	6.762	6.818	VV	2898	30816	0.46%	0.028%
63	6.838	6.818	6.852	PV	497	5528	0.08%	0.005%
64	6.867	6.852	6.882	VV	934	11581	0.17%	0.011%
65	6.888	6.882	6.898	VV	613	5538	0.08%	0.005%
66	6.916	6.898	6.934	VV	2107	24220	0.36%	0.022%
67	6.953	6.934	6.975	VV	1918	23016	0.35%	0.021%
68	7.007	6.975	7.021	VV	1918	30373	0.46%	0.028%
69	7.095	7.021	7.112	VV	3882	105272	1.58%	0.096%
70	7.138	7.112	7.158	VV	9405	103421	1.56%	0.094%
71	7.171	7.158	7.209	VV	1261	16955	0.25%	0.015%
72	7.244	7.209	7.257	PV	523	6936	0.10%	0.006%
73	7.275	7.257	7.283	VV	3553	33178	0.50%	0.030%
74	7.295	7.283	7.317	VV	4223	47801	0.72%	0.043%
75	7.334	7.317	7.363	VV	1490	24982	0.38%	0.023%
76	7.374	7.363	7.385	VV	542	5436	0.08%	0.005%
77	7.400	7.385	7.415	VV	1005	11330	0.17%	0.010%
78	7.433	7.415	7.456	VV	1563	23034	0.35%	0.021%
79	7.470	7.456	7.484	VV	710	8467	0.13%	0.008%
80	7.503	7.484	7.514	VV	1343	16931	0.25%	0.015%
81	7.523	7.514	7.544	VV	1668	16460	0.25%	0.015%
82	7.570	7.544	7.604	VV	536	12554	0.19%	0.011%
83	7.662	7.604	7.680	VV	942	27429	0.41%	0.025%
84	7.695	7.680	7.714	VV	1742	21627	0.33%	0.020%
85	7.751	7.714	7.824	VV	660878	6394079	96.15%	5.811%
86	7.843	7.824	7.870	VV	1476	30108	0.45%	0.027%
87	7.879	7.870	7.902	VV	1059	15585	0.23%	0.014%
88	7.916	7.902	7.930	VV	1011	13593	0.20%	0.012%
89	7.951	7.930	7.975	VV	1202	22340	0.34%	0.020%

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90	7.999	7.975	8.017	VV	2340	33959	0.51%	0.031%
91	8.025	8.017	8.040	VV	1155	14357	0.22%	0.013%
92	8.087	8.040	8.105	VV	2101	52417	0.79%	0.048%
93	8.126	8.105	8.173	VV	1305	41965	0.63%	0.038%
94	8.197	8.173	8.217	VV	1467	28478	0.43%	0.026%
95	8.236	8.217	8.250	VV	1295	23703	0.36%	0.022%
96	8.268	8.250	8.280	VV	1680	26751	0.40%	0.024%
97	8.302	8.280	8.340	VV	3234	70335	1.06%	0.064%
98	8.390	8.340	8.405	VV	3051	87602	1.32%	0.080%
99	8.432	8.405	8.479	VV	2805	84407	1.27%	0.077%
100	8.494	8.479	8.516	VV	2311	38901	0.58%	0.035%
101	8.532	8.516	8.550	VV	1798	29213	0.44%	0.027%
102	8.557	8.550	8.572	VV	1259	15430	0.23%	0.014%
103	8.616	8.572	8.644	VV	378211	3717290	55.90%	3.378%
104	8.666	8.644	8.693	VV	2690	61187	0.92%	0.056%
105	8.712	8.693	8.749	VV	3176	71775	1.08%	0.065%
106	8.759	8.749	8.775	VV	1783	22211	0.33%	0.020%
107	8.788	8.775	8.797	VV	1530	17730	0.27%	0.016%
108	8.814	8.797	8.826	VV	1863	26874	0.40%	0.024%
109	8.850	8.826	8.877	VV	1871	47550	0.72%	0.043%
110	8.915	8.877	8.939	VV	1276	39275	0.59%	0.036%
111	8.960	8.939	8.977	VV	1972	34932	0.53%	0.032%
112	8.984	8.977	8.997	VV	1726	18108	0.27%	0.016%
113	9.021	8.997	9.045	VV	74163	745475	11.21%	0.677%
114	9.056	9.045	9.069	VV	2312	29068	0.44%	0.026%
115	9.104	9.069	9.124	VV	3210	80657	1.21%	0.073%
116	9.141	9.124	9.164	VV	3609	64027	0.96%	0.058%
117	9.175	9.164	9.199	VV	2689	39043	0.59%	0.035%
118	9.227	9.199	9.247	VV	2014	42528	0.64%	0.039%
119	9.263	9.247	9.287	VV	1439	30883	0.46%	0.028%
120	9.306	9.287	9.325	VV	2635	42915	0.65%	0.039%
121	9.339	9.325	9.359	VV	1684	29148	0.44%	0.026%
122	9.371	9.359	9.388	VV	1902	29321	0.44%	0.027%
123	9.404	9.388	9.411	VV	1906	23306	0.35%	0.021%
124	9.428	9.411	9.445	VV	2047	35079	0.53%	0.032%
125	9.460	9.445	9.472	VV	2171	28256	0.42%	0.026%
126	9.489	9.472	9.549	VV	2948	84702	1.27%	0.077%
127	9.580	9.549	9.614	VV	2252	64104	0.96%	0.058%
128	9.621	9.614	9.636	VV	1442	18583	0.28%	0.017%
129	9.674	9.636	9.689	VV	2747	58148	0.87%	0.053%
130	9.737	9.689	9.756	VV	6623	142978	2.15%	0.130%
131	9.770	9.756	9.790	VV	4795	66672	1.00%	0.061%
132	9.825	9.790	9.854	VV	3981	117345	1.76%	0.107%
133	9.863	9.854	9.876	VV	2852	35725	0.54%	0.032%
134	9.896	9.876	9.910	VV	5830	85101	1.28%	0.077%
135	9.926	9.910	9.950	VV	5697	101808	1.53%	0.093%
136	9.968	9.950	9.984	VV	4310	70061	1.05%	0.064%
137	10.016	9.984	10.029	VV	3249	84404	1.27%	0.077%
138	10.062	10.029	10.077	VV	4880	127686	1.92%	0.116%
139	10.092	10.077	10.101	VV	4984	64123	0.96%	0.058%
140	10.124	10.101	10.162	VV	9615	254831	3.83%	0.232%
141	10.198	10.162	10.211	VV	6463	142408	2.14%	0.129%

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142	10.236	10.211	10.254	VV	8235	174865	2.63%	0.159%
143	10.269	10.254	10.278	VV	8128	102793	1.55%	0.093%
144	10.290	10.278	10.345	VV	9012	236070	3.55%	0.215%
145	10.376	10.345	10.397	VV	15312	268315	4.03%	0.244%
146	10.415	10.397	10.435	VV	6772	139093	2.09%	0.126%
147	10.457	10.435	10.480	VV	15352	238908	3.59%	0.217%
148	10.502	10.480	10.519	VV	7299	144571	2.17%	0.131%
149	10.566	10.519	10.580	VV	18279	412495	6.20%	0.375%
150	10.593	10.580	10.615	VV	16719	237717	3.57%	0.216%
151	10.629	10.615	10.645	VV	6721	113974	1.71%	0.104%
152	10.669	10.645	10.714	VV	10296	299816	4.51%	0.272%
153	10.751	10.714	10.769	VV	11082	266072	4.00%	0.242%
154	10.787	10.769	10.837	VV	11648	352172	5.30%	0.320%
155	10.889	10.837	10.934	VV	12022	457170	6.87%	0.415%
156	10.958	10.934	10.980	VV	11141	241552	3.63%	0.220%
157	11.020	10.980	11.040	VV	13160	314353	4.73%	0.286%
158	11.053	11.040	11.072	VV	7846	141607	2.13%	0.129%
159	11.082	11.072	11.097	VV	7622	103216	1.55%	0.094%
160	11.115	11.097	11.131	VV	7418	133229	2.00%	0.121%
161	11.148	11.131	11.165	VV	9279	152371	2.29%	0.138%
162	11.191	11.165	11.209	VV	7955	192013	2.89%	0.174%
163	11.231	11.209	11.247	VV	10554	204750	3.08%	0.186%
164	11.279	11.247	11.297	VV	20990	409122	6.15%	0.372%
165	11.320	11.297	11.348	VV	14024	359593	5.41%	0.327%
166	11.361	11.348	11.381	VV	10096	179851	2.70%	0.163%
167	11.414	11.381	11.422	VV	16898	298005	4.48%	0.271%
168	11.436	11.422	11.459	VV	19102	316078	4.75%	0.287%
169	11.488	11.459	11.508	VV	23609	484011	7.28%	0.440%
170	11.524	11.508	11.537	VV	18741	278620	4.19%	0.253%
171	11.566	11.537	11.591	VV	22771	638200	9.60%	0.580%
172	11.605	11.591	11.625	VV	18857	320724	4.82%	0.291%
173	11.658	11.625	11.684	VV	583048	6650345	100.00%	6.044%
174	11.693	11.684	11.703	VV	16506	174664	2.63%	0.159%
175	11.724	11.703	11.760	VV	32347	777470	11.69%	0.707%
176	11.782	11.760	11.825	VV	28329	928528	13.96%	0.844%
177	11.831	11.825	11.855	VV	20950	312565	4.70%	0.284%
178	11.893	11.855	11.936	VV	42347	1205403	18.13%	1.095%
179	11.971	11.936	11.998	VV	82004	1445893	21.74%	1.314%
180	12.017	11.998	12.038	VV	32373	604084	9.08%	0.549%
181	12.052	12.038	12.068	VV	22944	383580	5.77%	0.349%
182	12.087	12.068	12.119	VV	30559	772855	11.62%	0.702%
183	12.143	12.119	12.170	VV	37138	856149	12.87%	0.778%
184	12.179	12.170	12.213	VV	19008	466028	7.01%	0.424%
185	12.253	12.213	12.317	VV	145146	2792369	41.99%	2.538%
186	12.344	12.317	12.370	VV	21893	649509	9.77%	0.590%
187	12.392	12.370	12.414	VV	32875	661888	9.95%	0.601%
188	12.426	12.414	12.443	VV	22016	359573	5.41%	0.327%
189	12.452	12.443	12.465	VV	19023	245883	3.70%	0.223%
190	12.501	12.465	12.557	VV	19304	954920	14.36%	0.868%
191	12.583	12.557	12.600	VV	20549	455302	6.85%	0.414%
192	12.631	12.600	12.655	VV	45008	868074	13.05%	0.789%
193	12.700	12.655	12.723	VV	35048	923410	13.89%	0.839%
194	12.739	12.723	12.750	VV	18133	284196	4.27%	0.258%

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195	12.779	12.750	12.795	VV	19750	517181	7.78%	0.470%
196	12.808	12.795	12.830	VV	19976	377524	5.68%	0.343%
197	12.852	12.830	12.882	VV	18912	543250	8.17%	0.494%
198	12.902	12.882	12.924	VV	17412	415491	6.25%	0.378%
199	12.998	12.924	13.022	VV	37523	1267095	19.05%	1.151%
200	13.049	13.022	13.056	VV	21472	411757	6.19%	0.374%
201	13.081	13.056	13.118	VV	83984	1442969	21.70%	1.311%
202	13.125	13.118	13.140	VV	18159	241195	3.63%	0.219%
203	13.147	13.140	13.171	VV	18198	323502	4.86%	0.294%
204	13.211	13.171	13.234	VV	23700	782308	11.76%	0.711%
205	13.250	13.234	13.280	VV	22146	528124	7.94%	0.480%
206	13.299	13.280	13.315	VV	22039	418205	6.29%	0.380%
207	13.346	13.315	13.365	VV	23811	629160	9.46%	0.572%
208	13.381	13.365	13.396	VV	22159	400266	6.02%	0.364%
209	13.412	13.396	13.434	VV	22519	479491	7.21%	0.436%
210	13.481	13.434	13.515	VV	70422	1764563	26.53%	1.604%
211	13.528	13.515	13.559	VV	36010	792603	11.92%	0.720%
212	13.586	13.559	13.605	VV	24995	657348	9.88%	0.597%
213	13.627	13.605	13.644	VV	27551	586478	8.82%	0.533%
214	13.674	13.644	13.714	VV	23681	936979	14.09%	0.851%
215	13.735	13.714	13.755	VV	24135	566157	8.51%	0.514%
216	13.769	13.755	13.793	VV	24781	500839	7.53%	0.455%
217	13.833	13.793	13.855	VV	23646	803057	12.08%	0.730%
218	13.877	13.855	13.887	VV	26776	459289	6.91%	0.417%
219	13.897	13.887	13.921	VV	25380	493182	7.42%	0.448%
220	13.940	13.921	13.960	VV	26830	549325	8.26%	0.499%
221	13.992	13.960	14.020	VV	28866	908534	13.66%	0.826%
222	14.031	14.020	14.040	VV	22331	266059	4.00%	0.242%
223	14.076	14.040	14.129	VV	27743	1250779	18.81%	1.137%
224	14.149	14.129	14.173	VV	21545	543669	8.18%	0.494%
225	14.199	14.173	14.224	VV	23177	646433	9.72%	0.587%
226	14.263	14.224	14.295	VV	31815	1062708	15.98%	0.966%
227	14.331	14.295	14.362	VV	24662	848378	12.76%	0.771%
228	14.397	14.362	14.405	VV	23577	560003	8.42%	0.509%
229	14.427	14.405	14.447	VV	31302	669540	10.07%	0.608%
230	14.457	14.447	14.467	VV	23185	277713	4.18%	0.252%
231	14.485	14.467	14.500	VV	28045	506218	7.61%	0.460%
232	14.514	14.500	14.540	VV	26470	561900	8.45%	0.511%
233	14.561	14.540	14.600	VV	28596	823434	12.38%	0.748%
234	14.621	14.600	14.659	VV	25489	767601	11.54%	0.698%
235	14.689	14.659	14.712	VV	32071	802400	12.07%	0.729%
236	14.743	14.712	14.785	VV	26436	974075	14.65%	0.885%
237	14.837	14.785	14.857	VV	34414	981108	14.75%	0.892%
238	14.921	14.857	14.939	VV	30155	1292925	19.44%	1.175%
239	14.953	14.939	14.992	VV	23832	724937	10.90%	0.659%
240	15.006	14.992	15.017	VV	20785	297299	4.47%	0.270%
241	15.036	15.017	15.048	VV	23829	420381	6.32%	0.382%
242	15.067	15.048	15.107	VV	28912	794750	11.95%	0.722%
243	15.163	15.107	15.202	VV	31453	1434349	21.57%	1.303%
244	15.219	15.202	15.226	VV	23648	322647	4.85%	0.293%
245	15.242	15.226	15.262	VV	29182	522909	7.86%	0.475%
246	15.272	15.262	15.300	VV	21389	432151	6.50%	0.393%

					rteres			
247	15.328	15.300	15.348	VV	22546	538088	8.09%	0.489%
248	15.401	15.348	15.415	VV	33238	1072388	16.13%	0.975%
249	15.427	15.415	15.477	VV	30171	914015	13.74%	0.831%
250	15.504	15.477	15.530	VV	21070	569259	8.56%	0.517%
251	15.542	15.530	15.556	VV	15341	238527	3.59%	0.217%
252	15.577	15.556	15.595	VV	17326	377959	5.68%	0.343%
253	15.621	15.595	15.656	VV	36539	948249	14.26%	0.862%
254	15.682	15.656	15.710	VV	30618	801411	12.05%	0.728%
255	15.724	15.710	15.742	VV	21062	361907	5.44%	0.329%
256	15.761	15.742	15.797	VV	21576	609160	9.16%	0.554%
257	15.811	15.797	15.829	VV	17550	314513	4.73%	0.286%
258	15.870	15.829	15.888	VV	27955	731076	10.99%	0.664%
259	15.923	15.888	15.961	VV	27060	922594	13.87%	0.838%
260	15.981	15.961	16.016	VV	18217	471852	7.10%	0.429%
261	16.056	16.016	16.066	VV	13568	363048	5.46%	0.330%
262	16.111	16.066	16.132	VV	21783	687249	10.33%	0.625%
263	16.156	16.132	16.213	VV	24450	881804	13.26%	0.801%
264	16.237	16.213	16.262	VV	16242	392123	5.90%	0.356%
265	16.276	16.262	16.296	VV	13412	253081	3.81%	0.230%
266	16.344	16.296	16.376	VV	19081	690874	10.39%	0.628%
267	16.398	16.376	16.429	VV	20271	495439	7.45%	0.450%
268	16.443	16.429	16.475	VV	13361	285084	4.29%	0.259%
269	16.507	16.475	16.517	VV	9921	224480	3.38%	0.204%
270	16.531	16.517	16.545	VV	10466	164706	2.48%	0.150%
271	16.568	16.545	16.595	VV	14679	359604	5.41%	0.327%
272	16.615	16.595	16.631	VV	15987	296785	4.46%	0.270%
273	16.646	16.631	16.674	VV	15729	292994	4.41%	0.266%
274	16.702	16.674	16.728	VV	10733	294996	4.44%	0.268%
275	16.738	16.728	16.762	VV	8716	161930	2.43%	0.147%
276	16.801	16.762	16.832	VV	11126	373196	5.61%	0.339%
277	16.859	16.832	16.881	VV	12091	264366	3.98%	0.240%
278	16.894	16.881	16.927	VV	7280	166057	2.50%	0.151%
279	16.942	16.927	16.987	VV	5225	174652	2.63%	0.159%
280	17.017	16.987	17.042	VV	7231	195803	2.94%	0.178%
281	17.064	17.042	17.089	VV	6988	164975	2.48%	0.150%
282	17.106	17.089	17.126	VV	7884	134844	2.03%	0.123%
283	17.151	17.126	17.177	VV	5977	137772	2.07%	0.125%
284	17.200	17.177	17.210	VV	4189	75115	1.13%	0.068%
285	17.250	17.210	17.275	VV	5407	162392	2.44%	0.148%
286	17.305	17.275	17.372	VV	5521	200706	3.02%	0.182%
287	17.452	17.372	17.477	VV	4044	150467	2.26%	0.137%
288	17.496	17.477	17.525	VV	3027	67440	1.01%	0.061%
289	17.548	17.525	17.569	VV	3730	68969	1.04%	0.063%
290	17.578	17.569	17.599	VV	2619	35470	0.53%	0.032%
291	17.618	17.599	17.665	VV	1457	46959	0.71%	0.043%
292	17.683	17.665	17.715	VV	1833	38730	0.58%	0.035%
293	17.742	17.715	17.757	VV	2426	44792	0.67%	0.041%
294	17.774	17.757	17.811	VV	2362	47278	0.71%	0.043%
295	17.819	17.811	17.829	VV	541	4994	0.08%	0.005%
296	17.867	17.829	17.899	VV	1009	29297	0.44%	0.027%
297	17.936	17.899	17.954	VV	1906	39214	0.59%	0.036%
298	17.975	17.954	18.025	VV	2287	52190	0.78%	0.047%
299	18.058	18.025	18.089	VV	1241	28153	0.42%	0.026%

					rterres			
300	18.105	18.089	18.117	VV	690	8492	0.13%	0.008%
301	18.153	18.117	18.175	VV	2027	44832	0.67%	0.041%
302	18.194	18.175	18.222	VV	2033	31981	0.48%	0.029%
303	18.302	18.222	18.358	VV	1379	39422	0.59%	0.036%
304	18.405	18.358	18.434	PV	1199	28196	0.42%	0.026%
305	18.447	18.434	18.467	VV	548	7912	0.12%	0.007%
306	18.539	18.467	18.549	VV	727	22111	0.33%	0.020%
307	18.605	18.549	18.625	VV	2254	55753	0.84%	0.051%
308	18.632	18.625	18.694	VV	1235	25936	0.39%	0.024%
309	18.719	18.694	18.737	VV	908	18482	0.28%	0.017%
310	18.769	18.737	18.792	VV	1437	27712	0.42%	0.025%
311	18.814	18.792	18.840	VV	752	17503	0.26%	0.016%
312	18.857	18.840	18.870	VV	673	9496	0.14%	0.009%
313	18.900	18.870	18.922	PV	1056	18787	0.28%	0.017%
314	19.000	18.922	19.029	VV	2153	73009	1.10%	0.066%
315	19.053	19.029	19.067	VV	1190	21572	0.32%	0.020%
316	19.074	19.067	19.104	VV	981	18026	0.27%	0.016%
317	19.127	19.104	19.137	VV	1193	18714	0.28%	0.017%
318	19.176	19.137	19.207	VV	2083	54954	0.83%	0.050%
319	19.212	19.207	19.222	VV	1148	9081	0.14%	0.008%
320	19.249	19.222	19.265	VV	1374	30541	0.46%	0.028%
321	19.313	19.265	19.335	VV	1697	62283	0.94%	0.057%
322	19.382	19.335	19.407	VV	3420	97024	1.46%	0.088%
323	19.415	19.407	19.424	VV	2089	19155	0.29%	0.017%
324	19.435	19.424	19.451	VV	2003	30482	0.46%	0.028%
325	19.557	19.451	19.577	VV	2626	163143	2.45%	0.148%
326	19.616	19.577	19.645	VV	2607	99103	1.49%	0.090%
327	19.686	19.645	19.722	VV	3874	143683	2.16%	0.131%
328	19.751	19.722	19.790	VV	4410	149567	2.25%	0.136%
329	19.827	19.790	19.838	VV	3522	96608	1.45%	0.088%
330	19.936	19.838	19.967	VV	4447	301939	4.54%	0.274%
331	19.982	19.967	19.992	VV	4405	64717	0.97%	0.059%
332	20.033	19.992	20.061	VV	6798	221516	3.33%	0.201%
333	20.119	20.061	20.139	VV	6156	247816	3.73%	0.225%
334	20.173	20.139	20.215	VV	7048	282480	4.25%	0.257%
335	20.303	20.215	20.319	VV	6851	399850	6.01%	0.363%
336	20.394	20.319	20.405	VV	7177	359311	5.40%	0.327%
337	20.423	20.405	20.440	VV	7258	148190	2.23%	0.135%
338	20.474	20.440	20.502	VV	7766	273750	4.12%	0.249%
339	20.513	20.502	20.557	VV	7680	243964	3.67%	0.222%
340	20.578	20.557	20.602	VV	7448	199409	3.00%	0.181%
341	20.655	20.602	20.785	VV	8906	796841	11.98%	0.724%
342	20.799	20.785	20.824	VV	6508	145515	2.19%	0.132%
343	20.847	20.824	20.917	VV	6637	345756	5.20%	0.314%
344	20.921	20.917	20.990	VV	5868	239443	3.60%	0.218%
345	20.999	20.990	21.065	VV	5122	218241	3.28%	0.198%
346	21.075	21.065	21.129	VV	4832	175249	2.64%	0.159%
347	21.135	21.129	21.155	VV	4379	69646	1.05%	0.063%
348	21.196	21.155	21.250	VV	4835	245507	3.69%	0.223%
349	21.287	21.250	21.325	VV	4009	168037	2.53%	0.153%
350	21.332	21.325	21.347	VV	3502	44471	0.67%	0.040%
351	21.358	21.347	21.387	VV	3421	78847	1.19%	0.072%

					rt	Area	Area%	Area%
352	21.389	21.387	21.474	VV	3295	155548	2.34%	0.141%
353	21.480	21.474	21.487	VV	2808	21574	0.32%	0.020%
354	21.494	21.487	21.565	VV	2760	116497	1.75%	0.106%
355	21.571	21.565	21.647	VV	2457	106042	1.59%	0.096%
356	21.657	21.647	21.672	VV	2070	29735	0.45%	0.027%
357	21.677	21.672	21.690	VV	2039	20825	0.31%	0.019%
358	21.701	21.690	21.725	VV	1910	37790	0.57%	0.034%
359	21.781	21.725	21.813	VV	2254	99227	1.49%	0.090%
360	21.840	21.813	21.924	VV	2067	99275	1.49%	0.090%
361	21.931	21.924	21.975	VV	1368	33729	0.51%	0.031%
362	21.991	21.975	22.034	VV	1020	29214	0.44%	0.027%
363	22.045	22.034	22.060	VV	705	8728	0.13%	0.008%
364	22.072	22.060	22.081	VV	630	6447	0.10%	0.006%
365	22.091	22.081	22.119	VV	743	10252	0.15%	0.009%
366	22.126	22.119	22.143	VV	500	5828	0.09%	0.005%
367	22.158	22.143	22.169	VV	378	3693	0.06%	0.003%
Sum of corrected areas:					110040742			

Aromatic EPH 040725.M Thu Apr 10 02:36:59 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068547.D
 Signal(s) : FID1A.ch
 Acq On : 10 Apr 2025 08:48
 Operator : YP/AJ
 Sample : Q1746-05DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 B-158-GW01DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/11/2025
 Supervised By :mohammad ahmed 04/14/2025

Integration File: autoint1.e
 Quant Time: Apr 11 03:41:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 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			
12) S 1-chlorooctadecane (S...	13.143	491634	5.292 ug/mlm
Spiked Amount	50.000	Recovery =	10.58%
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068547.D
Signal(s) : FID1A.ch
Acq On : 10 Apr 2025 08:48
Operator : YP/AJ
Sample : Q1746-05DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

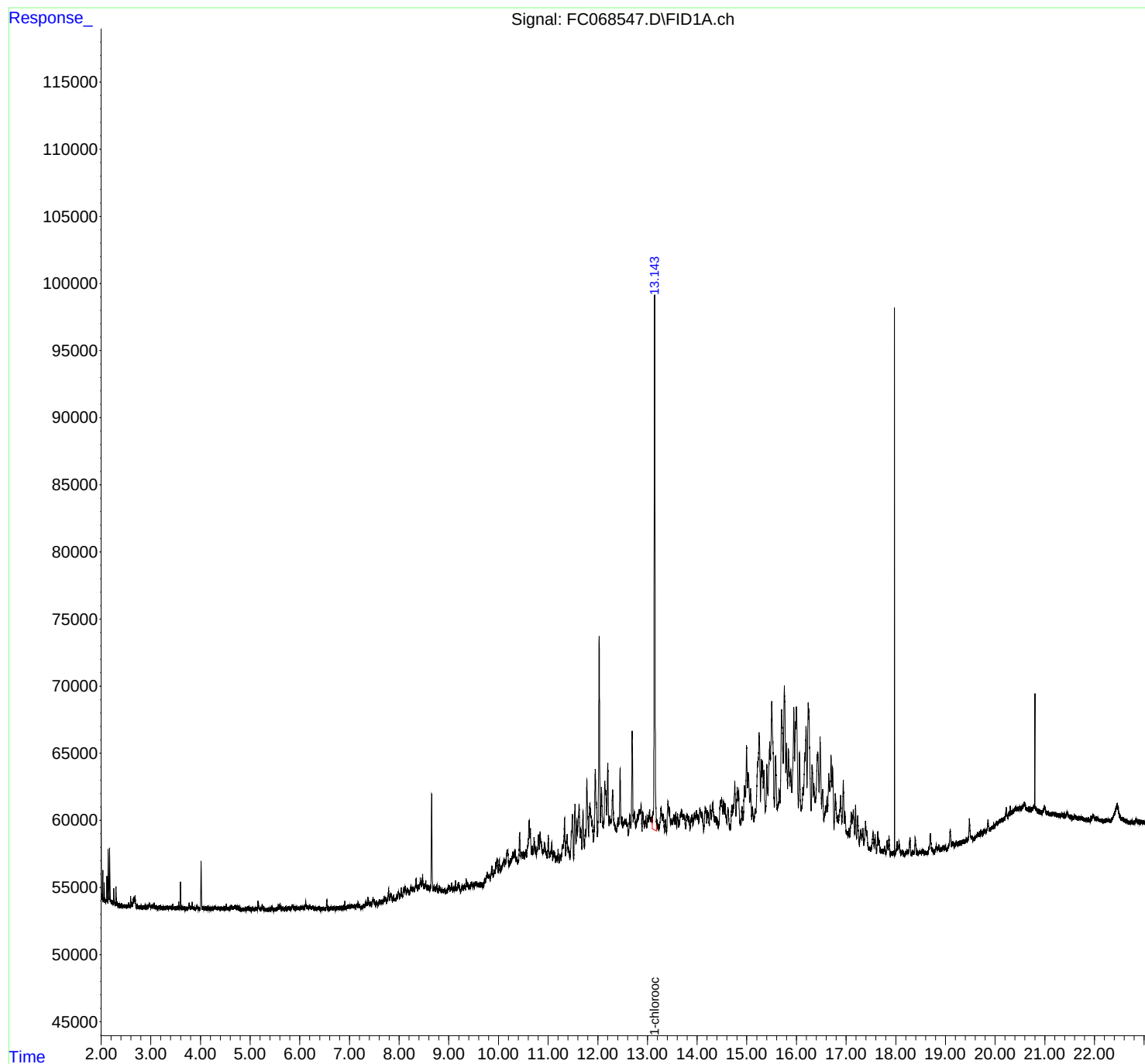
Instrument :
FID_C
ClientSampleId :
B-158-GW01DL

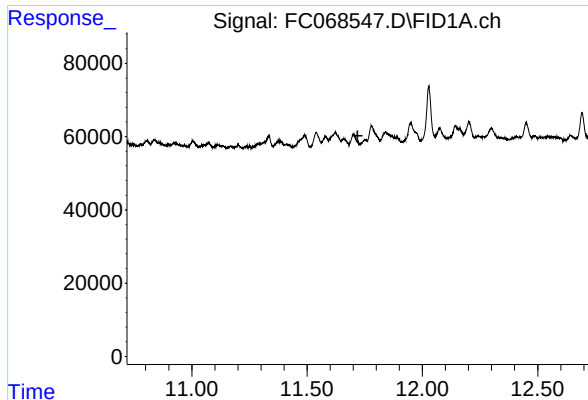
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/11/2025
Supervised By :mohammad ahmed 04/14/2025

Integration File: autoint1.e
Quant Time: Apr 11 03:41:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.719 min
Response: 0
Conc: N.D.

Instrument :

FID_C

ClientSampleId :

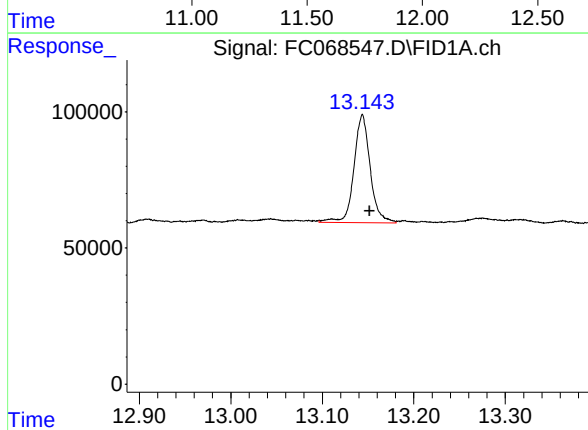
B-158-GW01DL

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/11/2025

Supervised By :mohammad ahmed 04/14/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.143 min
Delta R.T.: -0.008 min
Response: 491634
Conc: 5.29 ug/ml m

rteres

Instrument :

FID_C

ClientSampleId :

B-158-GW01DL

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC04112

Data File : FC068547.D

Signal(s) : FID1A.ch

Acq On : 10 Apr 2025 08:48

Sample : Q1746-05DL 10X

Misc :

ALS Vial : 11 Sample Multiplier: 1

Reviewed By :Yogesh Patel 04/11/2025

Supervised By :mohammad ahmed 04/14/2025

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	3.598	3.504	3.634	PV	1665	1511	0.16%	0.005%
2	4.014	3.969	4.102	PV	3201	10235	1.09%	0.032%
3	7.332	7.308	7.353	PH	275	2950	0.31%	0.009%
4	7.375	7.353	7.411	HH	515	7659	0.81%	0.024%
5	7.434	7.411	7.449	HH	197	3137	0.33%	0.010%
6	7.475	7.449	7.523	HH	558	13074	1.39%	0.041%
7	7.540	7.523	7.574	HH	340	5552	0.59%	0.018%
8	7.604	7.574	7.642	HH	437	10867	1.16%	0.034%
9	7.656	7.642	7.681	HH	321	6726	0.72%	0.021%
10	7.699	7.681	7.712	HH	637	8580	0.91%	0.027%
11	7.727	7.712	7.745	HH	493	8243	0.88%	0.026%
12	7.789	7.745	7.810	HH	1203	25361	2.70%	0.080%
13	7.837	7.810	7.868	HH	838	22482	2.39%	0.071%
14	7.891	7.868	7.921	HH	653	16814	1.79%	0.053%
15	7.953	7.921	7.963	HH	720	14113	1.50%	0.045%
16	7.986	7.963	8.007	HH	986	21334	2.27%	0.068%
17	8.042	8.007	8.064	HH	1215	29635	3.15%	0.094%
18	8.096	8.064	8.107	HH	1231	25898	2.75%	0.082%
19	8.125	8.107	8.147	HH	1361	28151	2.99%	0.089%
20	8.165	8.147	8.204	HH	1275	37404	3.98%	0.118%
21	8.238	8.204	8.268	HH	1454	46084	4.90%	0.146%
22	8.279	8.268	8.304	HH	1295	27179	2.89%	0.086%
23	8.342	8.304	8.378	HH	1942	62734	6.67%	0.199%
24	8.394	8.378	8.405	HH	1498	22867	2.43%	0.072%
25	8.428	8.405	8.446	HH	1944	40919	4.35%	0.130%
26	8.474	8.446	8.498	HH	2278	54508	5.79%	0.173%
27	8.537	8.498	8.557	HH	1780	53174	5.65%	0.168%
28	8.568	8.557	8.581	HH	1505	19892	2.11%	0.063%
29	8.601	8.581	8.614	HH	1345	25957	2.76%	0.082%
30	8.656	8.614	8.683	HH	8234	120024	12.76%	0.380%
31	8.705	8.683	8.741	HH	1426	44634	4.75%	0.141%
32	8.762	8.741	8.781	HH	1518	31763	3.38%	0.101%
33	8.802	8.781	8.814	HH	1400	24013	2.55%	0.076%
34	8.824	8.814	8.851	HH	1279	26005	2.76%	0.082%
35	8.865	8.851	8.890	HH	1253	26433	2.81%	0.084%
36	8.924	8.890	8.943	HH	1217	35926	3.82%	0.114%

						Instrument :	
						FID_C	
						ClientSampleId :	
						B-158-GW01DL	
37	9.002	8.943	9.024	HH	1429	58746	6.25% 0.186%
38	9.060	9.024	9.084	HH	1637	47628	
39	9.099	9.084	9.114	HH	1316	22496	
40	9.138	9.114	9.159	HH	1780	38139	
41	9.198	9.159	9.236	HH	1669	63250	
42	9.270	9.236	9.292	HH	1547	43891	
43	9.312	9.292	9.331	HH	1520	32810	3.49% 0.104%
44	9.352	9.331	9.371	HH	1958	38858	4.13% 0.123%
45	9.382	9.371	9.437	HH	1642	56795	6.04% 0.180%
46	9.452	9.437	9.466	HH	1629	27218	2.89% 0.086%
47	9.473	9.466	9.484	HH	1564	17047	1.81% 0.054%
48	9.504	9.484	9.517	HH	1631	28899	3.07% 0.091%
49	9.628	9.613	9.678	HH	1703	60485	6.43% 0.191%
50	9.695	9.678	9.707	HH	1682	27531	2.93% 0.087%
51	9.774	9.740	9.798	HH	2415	74899	7.96% 0.237%
52	9.814	9.798	9.832	HH	2293	44227	4.70% 0.140%
53	9.870	9.832	9.893	HH	2882	89364	9.50% 0.283%
54	9.912	9.893	9.931	HH	2519	55041	5.85% 0.174%
55	9.946	9.931	9.956	HH	3093	43765	4.65% 0.139%
56	9.973	9.956	9.996	HH	3487	72484	7.71% 0.229%
57	10.017	9.996	10.036	HH	3376	69566	7.40% 0.220%
58	10.053	10.036	10.064	HH	2833	45823	4.87% 0.145%
59	10.111	10.064	10.127	HH	3522	118018	12.55% 0.374%
60	10.178	10.127	10.209	HH	4076	174314	18.53% 0.552%
61	10.219	10.209	10.229	HH	3209	37265	3.96% 0.118%
62	10.252	10.229	10.262	HH	3431	67283	7.15% 0.213%
63	10.288	10.262	10.301	HH	3875	84365	8.97% 0.267%
64	10.320	10.301	10.331	HH	3965	68580	7.29% 0.217%
65	10.339	10.331	10.397	HH	4049	139194	14.80% 0.441%
66	10.427	10.397	10.449	HH	5391	129891	13.81% 0.411%
67	10.473	10.449	10.488	HH	3979	87878	9.34% 0.278%
68	10.510	10.488	10.528	HH	3972	90528	9.62% 0.287%
69	10.554	10.528	10.565	HH	4036	86987	9.25% 0.275%
70	10.619	10.565	10.635	HH	6253	204771	21.77% 0.648%
71	10.643	10.635	10.665	HH	5600	88201	9.38% 0.279%
72	10.681	10.665	10.697	HH	4371	76661	8.15% 0.243%
73	10.718	10.697	10.738	HH	4915	107346	11.41% 0.340%
74	10.744	10.738	10.763	HH	4226	61430	6.53% 0.194%
75	10.806	10.763	10.821	HH	5198	155205	16.50% 0.491%
76	10.838	10.821	10.888	HH	5450	187302	19.91% 0.593%
77	10.899	10.888	10.906	HH	4070	44484	4.73% 0.141%
78	10.925	10.906	10.982	HH	4712	186423	19.82% 0.590%
79	11.004	10.982	11.031	HH	5153	124812	13.27% 0.395%
80	11.073	11.031	11.093	HH	4647	149425	15.89% 0.473%
81	11.113	11.093	11.125	HH	4001	74671	7.94% 0.236%
82	11.132	11.125	11.150	HH	3864	52635	5.60% 0.167%
83	11.170	11.150	11.182	HH	3699	68757	7.31% 0.218%
84	11.201	11.182	11.221	HH	4081	84186	8.95% 0.267%
85	11.239	11.221	11.262	HH	3644	85792	9.12% 0.272%
86	11.333	11.262	11.353	HH	6527	253563	26.96% 0.803%
87	11.381	11.353	11.402	HH	5124	134454	14.29% 0.426%
88	11.410	11.402	11.441	HH	4303	92709	9.86% 0.294%
89	11.540	11.514	11.562	HH	7530	160924	17.11% 0.509%

						Instrument : FID_C	
						ClientSampleId : B-158-GW01DL	
90	11.579	11.562	11.593	HH	6418	105899	11.26% 0.335%
91	11.623	11.593	11.648	HH	7405	209038	Manual IntegrationsAPPROVED
92	11.659	11.648	11.682	HH	5721	105590	
93	11.701	11.682	11.731	HH	7002	161007	
94	11.841	11.817	11.884	HH	7612	266932	
95	11.890	11.884	11.911	HH	6205	88774	
96	11.949	11.911	11.991	HH	9987	343829	36.55% 1.089%
97	12.028	11.991	12.055	HH	19959	401809	42.72% 1.272%
98	12.075	12.055	12.111	HH	8616	236554	25.15% 0.749%
99	12.143	12.111	12.178	HH	9159	309799	32.94% 0.981%
100	12.202	12.178	12.227	HH	10501	236781	25.17% 0.750%
101	12.241	12.227	12.271	HH	6623	167398	17.80% 0.530%
102	12.408	12.378	12.418	HH	6497	145000	15.42% 0.459%
103	12.487	12.474	12.502	HH	6474	103796	11.03% 0.329%
104	12.511	12.502	12.522	HH	6115	72628	7.72% 0.230%
105	12.546	12.522	12.560	HH	6350	141817	15.08% 0.449%
106	12.571	12.560	12.613	HH	6379	192422	20.46% 0.609%
107	12.644	12.613	12.664	HH	6757	185856	19.76% 0.588%
108	12.692	12.664	12.716	HH	12960	264327	28.10% 0.837%
109	12.739	12.716	12.761	HH	6941	178603	18.99% 0.565%
110	12.831	12.761	12.840	HH	6989	305835	32.51% 0.968%
111	12.849	12.840	12.854	HH	7038	59912	6.37% 0.190%
112	12.870	12.854	12.890	HH	7451	149728	15.92% 0.474%
113	12.909	12.890	12.950	HH	6944	225235	23.95% 0.713%
114	12.968	12.950	12.990	HH	6495	148370	15.77% 0.470%
115	13.009	12.990	13.024	HH	6663	132271	14.06% 0.419%
116	13.043	13.024	13.094	HH	6967	274043	29.13% 0.868%
117	13.144	13.094	13.224	HH	45244	940626	100.00% 2.978%
118	13.274	13.224	13.304	HH	7308	314228	33.41% 0.995%
119	13.362	13.344	13.384	HH	6289	141456	15.04% 0.448%
120	13.413	13.384	13.433	HH	7786	200676	21.33% 0.635%
121	13.443	13.433	13.462	HH	7266	120115	12.77% 0.380%
122	13.475	13.462	13.484	HH	6414	83598	8.89% 0.265%
123	13.492	13.484	13.508	HH	6283	86839	9.23% 0.275%
124	13.531	13.508	13.558	HH	6691	192564	20.47% 0.610%
125	13.571	13.558	13.589	HH	6868	121912	12.96% 0.386%
126	13.607	13.589	13.625	HH	6870	134256	14.27% 0.425%
127	13.636	13.625	13.641	HH	6224	59199	6.29% 0.187%
128	13.688	13.641	13.712	HH	7068	284038	30.20% 0.899%
129	13.727	13.712	13.769	HH	6719	220335	23.42% 0.698%
130	13.800	13.769	13.819	HH	6733	194016	20.63% 0.614%
131	13.831	13.819	13.854	HH	6607	134599	14.31% 0.426%
132	13.897	13.854	13.918	HH	6524	238721	25.38% 0.756%
133	13.945	13.918	13.961	HH	6829	169646	18.04% 0.537%
134	13.985	13.961	14.031	HH	7093	281765	29.95% 0.892%
135	14.056	14.031	14.090	HH	7238	239706	25.48% 0.759%
136	14.100	14.090	14.131	HH	6856	157870	16.78% 0.500%
137	14.174	14.131	14.192	HH	7137	240570	25.58% 0.762%
138	14.207	14.192	14.243	HH	6968	202186	21.49% 0.640%
139	14.262	14.243	14.284	HH	7347	171622	18.25% 0.543%
140	14.315	14.284	14.355	HH	7489	293843	31.24% 0.930%
141	14.375	14.355	14.392	HH	6535	139675	14.85% 0.442%

						Instrument : FID_C		
						ClientSampleId : B-158-GW01DL		
						Manual IntegrationsAPPROVED		
						Reviewed By :Yogesh Patel 04/11/2025 Supervised By :mohammad ahmed 04/14/2025		
					rtetes			
142	14.401	14.392	14.424	HH	6345	121653	12.93%	0.385%
143	14.492	14.424	14.511	HH	8015	369278	39.17%	0.704%
144	14.529	14.511	14.548	HH	7722	163835	17.23%	0.657%
145	14.562	14.548	14.601	HH	7525	218633	23.05%	0.623%
146	14.621	14.601	14.668	HH	7157	255146	27.64%	0.675%
147	14.699	14.668	14.712	HH	7439	177957	18.69%	0.795%
148	14.757	14.712	14.782	HH	9245	324497	34.50%	1.027%
149	14.808	14.782	14.828	HH	8706	222339	23.64%	0.704%
150	14.836	14.828	14.878	HH	8561	207426	22.05%	0.657%
151	14.904	14.878	14.926	HH	7326	196857	20.93%	0.623%
152	14.953	14.926	14.971	HH	8862	213323	22.68%	0.675%
153	14.994	14.971	15.013	HH	11825	251015	26.69%	0.795%
154	15.028	15.013	15.058	HH	9714	244363	25.98%	0.774%
155	15.076	15.058	15.098	HH	8586	187794	19.96%	0.595%
156	15.113	15.098	15.151	HH	7290	213237	22.67%	0.675%
157	15.171	15.151	15.182	HH	7090	126854	13.49%	0.402%
158	15.293	15.276	15.304	HH	10772	166398	17.69%	0.527%
159	15.316	15.304	15.331	HH	10670	161780	17.20%	0.512%
160	15.346	15.331	15.378	HH	10099	236791	25.17%	0.750%
161	15.403	15.378	15.425	HH	10424	247501	26.31%	0.784%
162	15.460	15.425	15.476	HH	12067	329208	35.00%	1.042%
163	15.503	15.476	15.553	HH	15047	542790	57.71%	1.718%
164	15.579	15.553	15.613	HH	11222	322908	34.33%	1.022%
165	15.700	15.668	15.732	HH	14507	452812	48.14%	1.434%
166	15.755	15.732	15.785	HH	16203	427602	45.46%	1.354%
167	15.838	15.820	15.871	HH	11576	306561	32.59%	0.971%
168	15.886	15.871	15.908	HH	9979	208689	22.19%	0.661%
169	15.947	15.908	15.963	HH	14717	382821	40.70%	1.212%
170	15.998	15.963	16.038	HH	14712	536982	57.09%	1.700%
171	16.192	16.141	16.212	HH	13211	460993	49.01%	1.460%
172	16.237	16.212	16.294	HH	14767	567306	60.31%	1.796%
173	16.350	16.337	16.384	HH	8964	236640	25.16%	0.749%
174	16.476	16.454	16.507	HH	12487	311253	33.09%	0.985%
175	16.523	16.507	16.552	HH	8527	210110	22.34%	0.665%
176	16.587	16.552	16.601	HH	7334	204051	21.69%	0.646%
177	16.650	16.626	16.668	HH	9745	214811	22.84%	0.680%
178	16.696	16.668	16.713	HH	11022	262595	27.92%	0.831%
179	16.728	16.713	16.756	HH	10271	216979	23.07%	0.687%
180	16.781	16.756	16.817	HH	8280	259293	27.57%	0.821%
181	16.828	16.817	16.844	HH	6675	106546	11.33%	0.337%
182	16.889	16.844	16.914	HH	8070	292432	31.09%	0.926%
183	16.942	16.914	16.963	HH	9224	223250	23.73%	0.707%
184	16.976	16.963	17.037	HH	6904	260011	27.64%	0.823%
185	17.055	17.037	17.071	HH	5661	108731	11.56%	0.344%
186	17.102	17.071	17.121	HH	6855	183236	19.48%	0.580%
187	17.233	17.209	17.265	HH	6510	186901	19.87%	0.592%
188	17.298	17.265	17.318	HH	5621	163713	17.40%	0.518%
189	17.390	17.356	17.409	HH	6211	173193	18.41%	0.548%
190	17.418	17.409	17.457	HH	5532	138023	14.67%	0.437%
191	17.584	17.568	17.610	HH	5219	118819	12.63%	0.376%
192	17.733	17.717	17.751	HH	4158	83284	8.85%	0.264%
193	17.827	17.804	17.844	HH	4840	104789	11.14%	0.332%
194	17.863	17.844	17.891	HH	5100	124144	13.20%	0.393%

Manual Integrations **APPROVED**

Reviewed By :Yogesh Patel 04/11/2025
Supervised By :mohammad ahmed 04/14/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
Data File : FC068540.D
Signal(s) : FID1A.ch
Acq On : 10 Apr 2025 00:41
Operator : YP/AJ
Sample : Q1746-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-149-GW01

Integration File: autoint1.e
Quant Time: Apr 10 05:28:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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			
12) S 1-chlorooctadecane (S...	13.148	3943002	42.446 ug/ml
Spiked Amount	50.000	Recovery	= 84.89%

Target Compounds

(f)=RT Delta > 1/2 Window

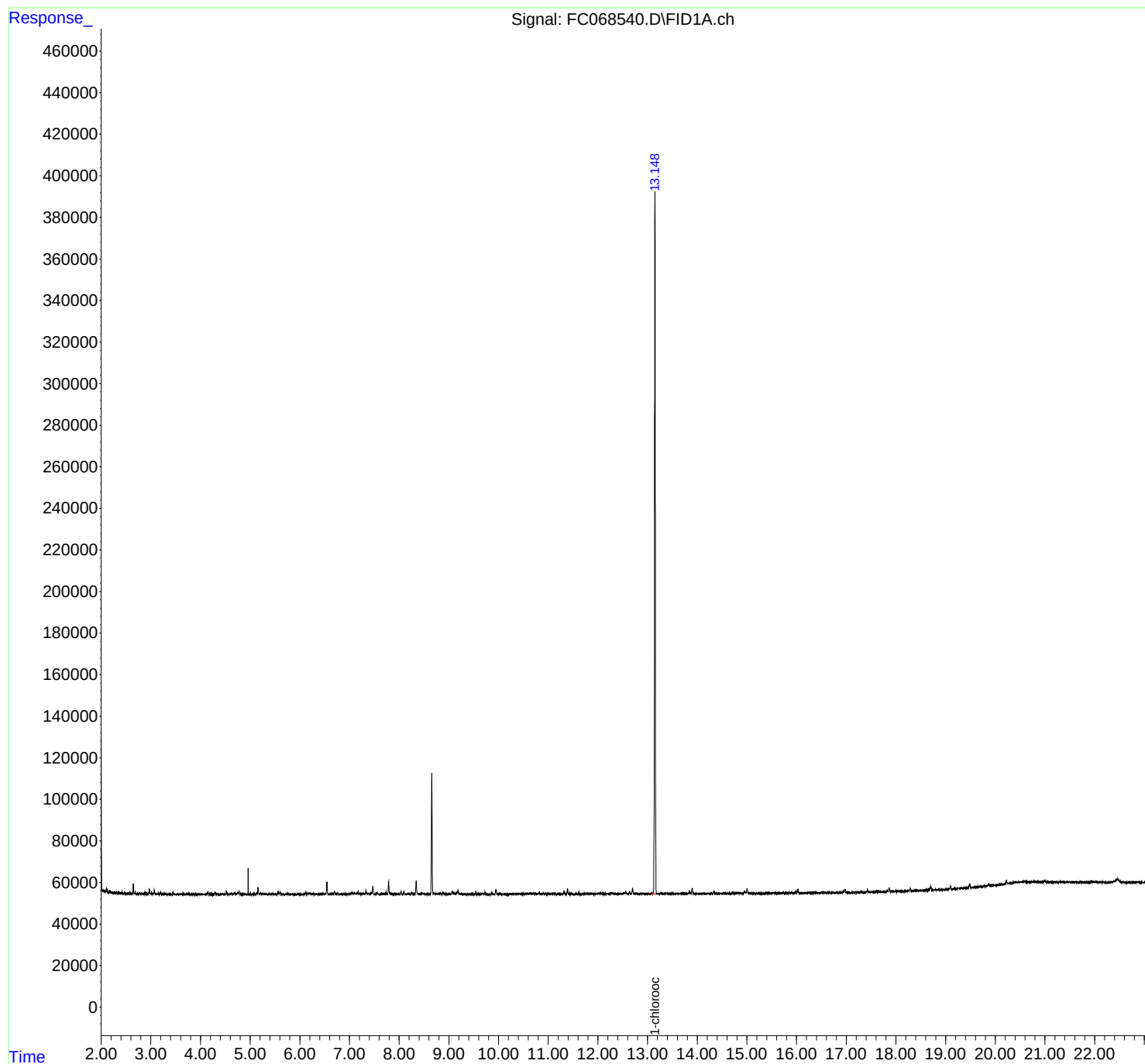
(m)=manual int.

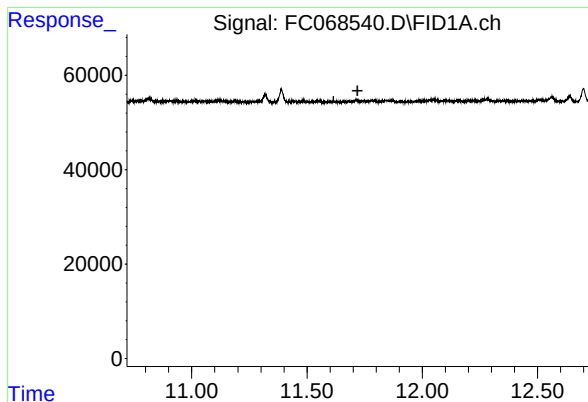
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
Data File : FC068540.D
Signal(s) : FID1A.ch
Acq On : 10 Apr 2025 00:41
Operator : YP/AJ
Sample : Q1746-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-149-GW01

Integration File: autoint1.e
Quant Time: Apr 10 05:28:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min

Exp R.T.: 11.719 min

Response: 0

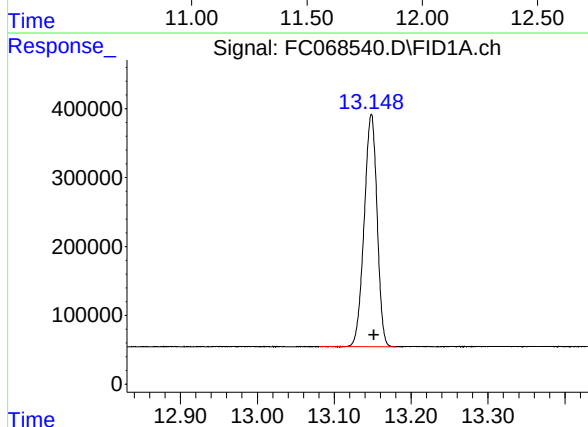
Conc: N.D.

Instrument :

FID_C

ClientSampleId :

B-149-GW01



#12 1-chlorooctadecane (SURR)

R.T.: 13.148 min

Delta R.T.: -0.004 min

Response: 3943002

Conc: 42.45 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
 Data File : FC068540.D
 Signal(s) : FID1A.ch
 Acq On : 10 Apr 2025 00:41
 Sample : Q1746-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	2.418	2.402	2.445	PV	702	5648	0.14%	0.061%
2	2.474	2.445	2.502	VV	137	2562	0.06%	0.027%
3	2.514	2.502	2.551	PV	131	1988	0.05%	0.021%
4	2.572	2.551	2.600	PV	385	4458	0.11%	0.048%
5	2.610	2.600	2.627	VV	125	1181	0.03%	0.013%
6	2.647	2.627	2.667	VV	4889	38126	0.97%	0.409%
7	2.685	2.667	2.757	VV	541	7510	0.19%	0.081%
8	2.776	2.757	2.801	VV	179	2543	0.06%	0.027%
9	2.814	2.801	2.864	VV	185	3995	0.10%	0.043%
10	2.880	2.864	2.930	VV	750	8199	0.21%	0.088%
11	2.970	2.930	2.999	VV	2007	28304	0.72%	0.304%
12	3.018	2.999	3.051	VV	793	9096	0.23%	0.098%
13	3.070	3.051	3.128	VV	1903	20803	0.53%	0.223%
14	3.149	3.128	3.167	VV	314	4075	0.10%	0.044%
15	3.198	3.167	3.261	VV	1247	14046	0.36%	0.151%
16	3.272	3.261	3.284	VV	133	1401	0.04%	0.015%
17	3.300	3.284	3.400	VV	116	4746	0.12%	0.051%
18	3.418	3.400	3.427	VV	158	1837	0.05%	0.020%
19	3.447	3.427	3.479	VV	750	8747	0.22%	0.094%
20	3.496	3.479	3.517	VV	146	2097	0.05%	0.022%
21	3.552	3.517	3.591	PV	175	4286	0.11%	0.046%
22	3.600	3.591	3.630	VV	165	2318	0.06%	0.025%
23	3.641	3.630	3.673	VV	253	2780	0.07%	0.030%
24	3.721	3.673	3.744	VV	342	7396	0.19%	0.079%
25	3.755	3.744	3.797	VV	598	8929	0.23%	0.096%
26	3.822	3.797	3.848	VV	324	5021	0.13%	0.054%
27	3.859	3.848	3.872	VV	114	1395	0.04%	0.015%
28	3.890	3.872	3.904	VV	128	1544	0.04%	0.017%
29	3.914	3.904	3.931	VV	80	1189	0.03%	0.013%
30	3.948	3.931	4.014	PV	320	6709	0.17%	0.072%
31	4.033	4.014	4.084	VV	216	6793	0.17%	0.073%
32	4.121	4.084	4.133	VV	624	8175	0.21%	0.088%
33	4.149	4.133	4.167	VV	1193	12056	0.31%	0.129%
34	4.184	4.167	4.194	VV	273	2961	0.08%	0.032%
35	4.217	4.194	4.237	VV	398	5925	0.15%	0.064%
36	4.296	4.237	4.317	VV	840	16988	0.43%	0.182%

					rterres			
37	4.331	4.317	4.395	VV	322	8761	0.22%	0.094%
38	4.407	4.395	4.428	VV	146	2585	0.07%	0.028%
39	4.443	4.428	4.464	VV	307	4986	0.13%	0.053%
40	4.477	4.464	4.501	VV	311	5723	0.15%	0.061%
41	4.522	4.501	4.604	VV	1934	30019	0.76%	0.322%
42	4.632	4.604	4.657	VV	402	9692	0.25%	0.104%
43	4.691	4.657	4.714	VV	1140	17250	0.44%	0.185%
44	4.725	4.714	4.730	VV	394	3124	0.08%	0.034%
45	4.747	4.730	4.761	VV	1075	11731	0.30%	0.126%
46	4.777	4.761	4.797	VV	1682	16922	0.43%	0.182%
47	4.810	4.797	4.844	VV	393	5386	0.14%	0.058%
48	4.895	4.844	4.927	VV	260	9488	0.24%	0.102%
49	4.940	4.927	4.954	VV	249	3207	0.08%	0.034%
50	4.960	4.954	4.987	VV	3145	11330	0.29%	0.122%
51	5.004	4.987	5.024	VV	611	6857	0.17%	0.074%
52	5.032	5.024	5.064	VV	172	3241	0.08%	0.035%
53	5.083	5.064	5.106	VV	391	4997	0.13%	0.054%
54	5.133	5.106	5.141	VV	786	9231	0.23%	0.099%
55	5.159	5.141	5.187	VV	3563	40404	1.02%	0.433%
56	5.216	5.187	5.233	VV	755	11852	0.30%	0.127%
57	5.261	5.233	5.314	VV	487	12580	0.32%	0.135%
58	5.330	5.314	5.341	VV	172	1700	0.04%	0.018%
59	5.385	5.341	5.414	VV	354	7641	0.19%	0.082%
60	5.439	5.414	5.452	VV	515	6021	0.15%	0.065%
61	5.464	5.452	5.504	VV	371	6750	0.17%	0.072%
62	5.527	5.504	5.540	VV	224	3912	0.10%	0.042%
63	5.562	5.540	5.584	VV	1793	20087	0.51%	0.215%
64	5.603	5.584	5.646	VV	1534	19725	0.50%	0.212%
65	5.662	5.646	5.678	VV	325	3378	0.09%	0.036%
66	5.725	5.678	5.733	VV	236	4737	0.12%	0.051%
67	5.754	5.733	5.793	VV	625	9637	0.24%	0.103%
68	5.806	5.793	5.824	VV	164	2234	0.06%	0.024%
69	5.864	5.824	5.884	VV	381	8142	0.21%	0.087%
70	5.912	5.884	5.928	VV	231	3996	0.10%	0.043%
71	5.965	5.928	5.993	VV	396	6401	0.16%	0.069%
72	6.016	5.993	6.048	VV	281	4658	0.12%	0.050%
73	6.068	6.048	6.077	VV	301	3567	0.09%	0.038%
74	6.121	6.077	6.141	VV	936	17034	0.43%	0.183%
75	6.163	6.141	6.179	VV	573	8090	0.21%	0.087%
76	6.205	6.179	6.251	VV	999	20234	0.51%	0.217%
77	6.265	6.251	6.308	VV	792	12843	0.33%	0.138%
78	6.339	6.308	6.368	VV	392	10213	0.26%	0.110%
79	6.392	6.368	6.413	VV	320	6606	0.17%	0.071%
80	6.430	6.413	6.462	VV	319	7929	0.20%	0.085%
81	6.486	6.462	6.499	VV	388	6421	0.16%	0.069%
82	6.545	6.499	6.576	VV	6040	68946	1.75%	0.740%
83	6.586	6.576	6.617	VV	259	5391	0.14%	0.058%
84	6.633	6.617	6.649	VV	522	6939	0.18%	0.074%
85	6.667	6.649	6.678	VV	525	6827	0.17%	0.073%
86	6.696	6.678	6.721	VV	1334	17498	0.44%	0.188%
87	6.730	6.721	6.751	VV	443	6600	0.17%	0.071%
88	6.769	6.751	6.799	VV	700	10377	0.26%	0.111%
89	6.822	6.799	6.850	VV	361	6183	0.16%	0.066%

					rt	ret	area	%area
90	6.875	6.850	6.897	VV	387	7142	0.18%	0.077%
91	6.913	6.897	6.971	VV	289	8667	0.22%	0.093%
92	6.990	6.971	7.024	VV	651	11099	0.28%	0.119%
93	7.045	7.024	7.079	VV	1046	21748	0.55%	0.233%
94	7.105	7.079	7.133	VV	938	18335	0.46%	0.197%
95	7.170	7.133	7.191	VV	1086	22377	0.57%	0.240%
96	7.207	7.191	7.225	VV	512	7553	0.19%	0.081%
97	7.250	7.225	7.265	VV	554	8165	0.21%	0.088%
98	7.275	7.265	7.295	VV	439	5506	0.14%	0.059%
99	7.333	7.295	7.367	VV	2036	29318	0.74%	0.315%
100	7.389	7.367	7.420	VV	452	11397	0.29%	0.122%
101	7.436	7.420	7.450	VV	693	9448	0.24%	0.101%
102	7.471	7.450	7.495	VV	3856	43110	1.09%	0.462%
103	7.504	7.495	7.513	VV	256	2577	0.07%	0.028%
104	7.538	7.513	7.548	VV	432	6702	0.17%	0.072%
105	7.563	7.548	7.593	VV	565	10059	0.25%	0.108%
106	7.602	7.593	7.620	VV	302	4255	0.11%	0.046%
107	7.642	7.620	7.711	VV	449	13062	0.33%	0.140%
108	7.734	7.711	7.756	VV	1034	12202	0.31%	0.131%
109	7.788	7.756	7.871	VV	6354	76429	1.94%	0.820%
110	7.927	7.871	7.940	VV	427	13153	0.33%	0.141%
111	7.952	7.940	7.974	VV	440	5222	0.13%	0.056%
112	7.994	7.974	8.017	VV	538	7591	0.19%	0.081%
113	8.038	8.017	8.066	VV	1199	15538	0.39%	0.167%
114	8.095	8.066	8.116	VV	1323	15937	0.40%	0.171%
115	8.132	8.116	8.147	VV	211	3260	0.08%	0.035%
116	8.165	8.147	8.180	VV	483	5601	0.14%	0.060%
117	8.197	8.180	8.217	VV	337	5148	0.13%	0.055%
118	8.250	8.217	8.316	VV	973	21710	0.55%	0.233%
119	8.343	8.316	8.413	VV	6736	82128	2.08%	0.881%
120	8.444	8.413	8.476	VV	883	15340	0.39%	0.165%
121	8.491	8.476	8.520	VV	394	6680	0.17%	0.072%
122	8.538	8.520	8.564	VV	382	5959	0.15%	0.064%
123	8.579	8.564	8.628	VV	457	8495	0.22%	0.091%
124	8.657	8.628	8.738	VV	58150	601045	15.23%	6.448%
125	8.752	8.738	8.778	VV	351	7140	0.18%	0.077%
126	8.805	8.778	8.817	VV	496	9615	0.24%	0.103%
127	8.833	8.817	8.849	VV	525	7676	0.19%	0.082%
128	8.884	8.849	8.924	VV	726	20630	0.52%	0.221%
129	8.947	8.924	8.981	VV	378	7369	0.19%	0.079%
130	9.000	8.981	9.031	VV	406	7456	0.19%	0.080%
131	9.065	9.031	9.086	VV	1378	20154	0.51%	0.216%
132	9.103	9.086	9.121	VV	914	12436	0.32%	0.133%
133	9.126	9.121	9.138	VV	565	4795	0.12%	0.051%
134	9.186	9.138	9.214	VV	1693	35513	0.90%	0.381%
135	9.221	9.214	9.241	VV	329	3984	0.10%	0.043%
136	9.255	9.241	9.284	VV	547	7198	0.18%	0.077%
137	9.305	9.284	9.322	VV	324	4359	0.11%	0.047%
138	9.359	9.322	9.371	VV	228	3944	0.10%	0.042%
139	9.389	9.371	9.411	VV	282	5230	0.13%	0.056%
140	9.418	9.411	9.437	VV	251	3365	0.09%	0.036%
141	9.467	9.437	9.509	VV	509	11336	0.29%	0.122%

					rteres			
142	9.535	9.509	9.571	VV	933	14225	0.36%	0.153%
143	9.586	9.571	9.621	VV	373	7711	0.20%	0.083%
144	9.630	9.621	9.650	VV	231	3126	0.08%	0.034%
145	9.673	9.650	9.708	VV	458	9539	0.24%	0.102%
146	9.726	9.708	9.768	VV	1138	14821	0.38%	0.159%
147	9.815	9.768	9.840	VV	178	4533	0.11%	0.049%
148	9.866	9.840	9.899	VV	742	10873	0.28%	0.117%
149	9.911	9.899	9.924	VV	122	1462	0.04%	0.016%
150	9.946	9.924	10.001	VV	2211	28778	0.73%	0.309%
151	10.018	10.001	10.031	VV	341	4474	0.11%	0.048%
152	10.041	10.031	10.057	VV	306	3939	0.10%	0.042%
153	10.093	10.057	10.108	VV	219	5080	0.13%	0.054%
154	10.117	10.108	10.141	VV	222	2561	0.06%	0.027%
155	10.156	10.141	10.179	VV	156	1904	0.05%	0.020%
156	10.194	10.179	10.203	PV	132	1239	0.03%	0.013%
157	10.225	10.203	10.243	VV	236	3178	0.08%	0.034%
158	10.274	10.243	10.311	VV	327	8908	0.23%	0.096%
159	10.340	10.311	10.361	VV	415	8693	0.22%	0.093%
160	10.381	10.361	10.400	VV	485	7391	0.19%	0.079%
161	10.426	10.400	10.448	VV	309	6987	0.18%	0.075%
162	10.498	10.448	10.516	VV	289	7757	0.20%	0.083%
163	10.550	10.516	10.573	VV	343	8739	0.22%	0.094%
164	10.586	10.573	10.601	VV	383	5210	0.13%	0.056%
165	10.631	10.601	10.654	VV	478	11103	0.28%	0.119%
166	10.683	10.654	10.721	VV	538	14548	0.37%	0.156%
167	10.741	10.721	10.771	VV	396	7241	0.18%	0.078%
168	10.779	10.771	10.789	VV	335	3269	0.08%	0.035%
169	10.818	10.789	10.846	VV	828	16015	0.41%	0.172%
170	10.903	10.846	10.919	VV	342	10861	0.28%	0.117%
171	10.935	10.919	10.984	VV	264	7323	0.19%	0.079%
172	11.013	10.984	11.028	VV	301	5192	0.13%	0.056%
173	11.032	11.028	11.038	VV	263	1350	0.03%	0.014%
174	11.046	11.038	11.092	VV	240	6354	0.16%	0.068%
175	11.115	11.092	11.161	VV	434	10018	0.25%	0.107%
176	11.188	11.161	11.212	VV	235	4510	0.11%	0.048%
177	11.228	11.212	11.244	VV	121	1445	0.04%	0.016%
178	11.318	11.244	11.363	VV	1635	24728	0.63%	0.265%
179	11.389	11.363	11.424	VV	2628	31065	0.79%	0.333%
180	11.440	11.424	11.458	VV	236	2622	0.07%	0.028%
181	11.485	11.458	11.519	VV	270	5112	0.13%	0.055%
182	11.548	11.519	11.577	VV	263	3995	0.10%	0.043%
183	11.615	11.577	11.641	VV	432	3210	0.08%	0.034%
184	11.713	11.641	11.729	PV	346	7891	0.20%	0.085%
185	11.746	11.729	11.762	VV	241	3990	0.10%	0.043%
186	11.782	11.762	11.820	VV	387	7456	0.19%	0.080%
187	11.845	11.820	11.860	VV	360	6142	0.16%	0.066%
188	11.871	11.860	11.904	VV	303	4536	0.11%	0.049%
189	11.908	11.904	11.921	VV	149	977	0.02%	0.010%
190	11.989	11.921	12.001	VV	277	6845	0.17%	0.073%
191	12.050	12.001	12.076	VV	495	13699	0.35%	0.147%
192	12.107	12.076	12.135	VV	403	7742	0.20%	0.083%
193	12.157	12.135	12.174	VV	268	4354	0.11%	0.047%
194	12.201	12.174	12.242	VV	324	9255	0.23%	0.099%

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195	12.283	12.242	12.316	VV	620	15177	0.38%	0.163%
196	12.348	12.316	12.382	VV	278	7743	0.20%	0.083%
197	12.404	12.382	12.419	VV	198	3108	0.08%	0.033%
198	12.434	12.419	12.445	VV	199	2563	0.06%	0.027%
199	12.459	12.445	12.484	VV	264	4709	0.12%	0.051%
200	12.511	12.484	12.528	VV	490	8851	0.22%	0.095%
201	12.561	12.528	12.594	VV	1059	18809	0.48%	0.202%
202	12.639	12.594	12.662	VV	1228	17351	0.44%	0.186%
203	12.698	12.662	12.751	VV	2773	36225	0.92%	0.389%
204	12.760	12.751	12.787	VV	268	2785	0.07%	0.030%
205	12.802	12.787	12.845	VV	163	3773	0.10%	0.040%
206	12.852	12.845	12.858	VV	100	521	0.01%	0.006%
207	12.889	12.858	12.913	VV	133	2801	0.07%	0.030%
208	12.974	12.913	13.017	VV	217	8604	0.22%	0.092%
209	13.025	13.017	13.047	VV	161	1748	0.04%	0.019%
210	13.097	13.047	13.111	VV	196	5106	0.13%	0.055%
211	13.148	13.111	13.188	VV	336779	3946306	100.00%	42.337%
212	13.205	13.188	13.231	VV	214	3825	0.10%	0.041%
213	13.254	13.231	13.268	VV	182	2691	0.07%	0.029%
214	13.316	13.268	13.351	VV	285	8977	0.23%	0.096%
215	13.367	13.351	13.414	VV	270	6268	0.16%	0.067%
216	13.425	13.414	13.448	VV	204	3124	0.08%	0.034%
217	13.460	13.448	13.470	VV	135	1519	0.04%	0.016%
218	13.482	13.470	13.500	VV	135	2279	0.06%	0.024%
219	13.527	13.500	13.554	VV	257	6067	0.15%	0.065%
220	13.584	13.554	13.636	VV	307	8336	0.21%	0.089%
221	13.660	13.636	13.671	VV	189	2271	0.06%	0.024%
222	13.756	13.671	13.788	VV	284	13295	0.34%	0.143%
223	13.846	13.788	13.871	VV	1117	20053	0.51%	0.215%
224	13.898	13.871	13.937	VV	2508	32692	0.83%	0.351%
225	13.958	13.937	14.062	VV	204	5202	0.13%	0.056%
226	14.077	14.062	14.091	VV	111	710	0.02%	0.008%
227	14.117	14.091	14.171	PV	192	5017	0.13%	0.054%
228	14.183	14.171	14.211	VV	143	2476	0.06%	0.027%
229	14.216	14.211	14.267	VV	147	3050	0.08%	0.033%
230	14.287	14.267	14.301	VV	132	2107	0.05%	0.023%
231	14.335	14.301	14.415	VV	1293	24301	0.62%	0.261%
232	14.464	14.415	14.498	VV	224	7321	0.19%	0.079%
233	14.555	14.498	14.564	VV	233	7094	0.18%	0.076%
234	14.596	14.564	14.606	VV	312	5720	0.14%	0.061%
235	14.611	14.606	14.632	VV	277	3498	0.09%	0.038%
236	14.663	14.632	14.697	VV	293	6809	0.17%	0.073%
237	14.719	14.697	14.754	VV	262	6496	0.16%	0.070%
238	14.781	14.754	14.891	VV	308	17942	0.45%	0.192%
239	14.899	14.891	14.920	VV	202	3116	0.08%	0.033%
240	14.957	14.920	14.978	VV	1062	17886	0.45%	0.192%
241	15.002	14.978	15.048	VV	2249	33732	0.85%	0.362%
242	15.058	15.048	15.084	VV	229	3115	0.08%	0.033%
243	15.088	15.084	15.112	VV	174	1433	0.04%	0.015%
244	15.176	15.112	15.209	PV	139	4399	0.11%	0.047%
245	15.238	15.209	15.314	VV	123	4642	0.12%	0.050%
246	15.318	15.314	15.328	VV	75	269	0.01%	0.003%

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247	15.355	15.328	15.365	PV	155	1929	0.05%	0.021%
248	15.371	15.365	15.378	VV	127	639	0.02%	0.007%
249	15.424	15.378	15.441	VV	153	3764	0.10%	0.040%
250	15.448	15.441	15.479	VV	149	2465	0.06%	0.026%
251	15.488	15.479	15.502	VV	188	1933	0.05%	0.021%
252	15.530	15.502	15.588	VV	223	5997	0.15%	0.064%
253	15.599	15.588	15.611	VV	120	1276	0.03%	0.014%
254	15.613	15.611	15.624	VV	110	567	0.01%	0.006%
255	15.628	15.624	15.635	VV	135	421	0.01%	0.005%
256	15.656	15.635	15.671	VV	204	2164	0.05%	0.023%
257	15.705	15.671	15.745	VV	175	5032	0.13%	0.054%
258	15.754	15.745	15.781	VV	161	2627	0.07%	0.028%
259	15.791	15.781	15.798	VV	141	969	0.02%	0.010%
260	15.852	15.798	15.862	VV	214	5399	0.14%	0.058%
261	15.878	15.862	15.904	VV	251	4982	0.13%	0.053%
262	15.913	15.904	15.957	VV	193	4297	0.11%	0.046%
263	15.985	15.957	16.004	VV	750	11472	0.29%	0.123%
264	16.024	16.004	16.061	VV	1781	25123	0.64%	0.270%
265	16.073	16.061	16.143	VV	196	4215	0.11%	0.045%
266	16.206	16.143	16.248	VV	213	4866	0.12%	0.052%
267	16.260	16.248	16.294	VV	174	1955	0.05%	0.021%
268	16.343	16.294	16.380	PV	213	4005	0.10%	0.043%
269	16.404	16.380	16.412	VV	187	2635	0.07%	0.028%
270	16.418	16.412	16.428	VV	165	1070	0.03%	0.011%
271	16.439	16.428	16.449	VV	101	981	0.02%	0.011%
272	16.457	16.449	16.465	VV	83	563	0.01%	0.006%
273	16.507	16.465	16.544	VV	448	8563	0.22%	0.092%
274	16.552	16.544	16.575	VV	144	2050	0.05%	0.022%
275	16.591	16.575	16.601	VV	102	1469	0.04%	0.016%
276	16.611	16.601	16.618	VV	114	833	0.02%	0.009%
277	16.628	16.618	16.648	VV	102	1641	0.04%	0.018%
278	16.655	16.648	16.694	VV	192	3732	0.09%	0.040%
279	16.714	16.694	16.741	VV	190	3640	0.09%	0.039%
280	16.751	16.741	16.761	VV	113	1111	0.03%	0.012%
281	16.786	16.761	16.828	VV	171	4422	0.11%	0.047%
282	16.871	16.828	16.890	VV	310	5713	0.14%	0.061%
283	16.902	16.890	16.908	VV	156	1472	0.04%	0.016%
284	16.942	16.908	16.954	VV	633	10535	0.27%	0.113%
285	16.975	16.954	17.008	VV	1654	23677	0.60%	0.254%
286	17.016	17.008	17.043	VV	119	1509	0.04%	0.016%
287	17.052	17.043	17.095	PV	121	2133	0.05%	0.023%
288	17.104	17.095	17.134	VV	70	1362	0.03%	0.015%
289	17.142	17.134	17.164	VV	110	1249	0.03%	0.013%
290	17.171	17.164	17.182	VV	116	832	0.02%	0.009%
291	17.191	17.182	17.228	VV	123	1686	0.04%	0.018%
292	17.263	17.228	17.273	PV	99	1978	0.05%	0.021%
293	17.303	17.273	17.337	VV	480	7632	0.19%	0.082%
294	17.348	17.337	17.378	VV	83	928	0.02%	0.010%
295	17.426	17.378	17.465	PV	877	13116	0.33%	0.141%
296	17.474	17.465	17.483	VV	124	847	0.02%	0.009%
297	17.523	17.483	17.554	VV	150	4162	0.11%	0.045%
298	17.708	17.554	17.718	VV	136	8417	0.21%	0.090%
299	17.730	17.718	17.762	VV	93	1634	0.04%	0.018%

					rt	Area	Area%	Height%
300	17.864	17.762	17.918	PV	1916	39083	0.99%	0.419%
301	17.936	17.918	17.950	VV	149	1803	0.05%	0.019%
302	18.026	17.950	18.038	VV	202	6149	0.16%	0.066%
303	18.052	18.038	18.074	VV	130	2190	0.06%	0.023%
304	18.142	18.074	18.184	PV	190	6182	0.16%	0.066%
305	18.198	18.184	18.211	VV	111	1469	0.04%	0.016%
306	18.238	18.211	18.260	VV	402	4525	0.11%	0.049%
307	18.287	18.260	18.325	VV	1272	19294	0.49%	0.207%
308	18.412	18.325	18.458	PV	161	6475	0.16%	0.069%
309	18.550	18.458	18.571	VV	231	8257	0.21%	0.089%
310	18.577	18.571	18.588	VV	178	1318	0.03%	0.014%
311	18.598	18.588	18.607	VV	143	1241	0.03%	0.013%
312	18.697	18.607	18.751	VV	1962	39557	1.00%	0.424%
313	18.756	18.751	18.779	VV	132	1400	0.04%	0.015%
314	18.802	18.779	18.814	VV	127	1812	0.05%	0.019%
315	18.834	18.814	18.858	VV	160	2830	0.07%	0.030%
316	18.877	18.858	18.886	VV	134	1527	0.04%	0.016%
317	18.949	18.886	18.958	VV	199	4304	0.11%	0.046%
318	18.999	18.958	19.015	VV	169	4420	0.11%	0.047%
319	19.030	19.015	19.041	VV	131	1362	0.03%	0.015%
320	19.096	19.041	19.141	PV	1273	26307	0.67%	0.282%
321	19.149	19.141	19.160	VV	198	2167	0.05%	0.023%
322	19.184	19.160	19.204	VV	280	5613	0.14%	0.060%
323	19.269	19.204	19.298	VV	378	16169	0.41%	0.173%
324	19.339	19.298	19.361	VV	417	12975	0.33%	0.139%
325	19.394	19.361	19.441	VV	502	19306	0.49%	0.207%
326	19.483	19.441	19.533	VV	1920	47798	1.21%	0.513%
327	19.545	19.533	19.554	VV	492	6348	0.16%	0.068%
328	19.686	19.554	19.693	VV	715	49364	1.25%	0.530%
329	19.779	19.693	19.794	VV	894	46303	1.17%	0.497%
330	19.860	19.794	19.904	VV	1578	66065	1.67%	0.709%
331	19.965	19.904	19.978	VV	1120	43548	1.10%	0.467%
332	20.047	19.978	20.071	VV	1293	64052	1.62%	0.687%
333	20.128	20.071	20.162	VV	1481	74394	1.89%	0.798%
334	20.224	20.162	20.254	VV	2574	100250	2.54%	1.075%
335	20.290	20.254	20.304	VV	1785	52220	1.32%	0.560%
336	20.450	20.304	20.464	VV	2063	184049	4.66%	1.975%
337	20.495	20.464	20.521	VV	2156	70931	1.80%	0.761%
338	20.589	20.521	20.646	VV	2350	155417	3.94%	1.667%
339	20.705	20.646	20.741	VV	1893	105035	2.66%	1.127%
340	20.791	20.741	20.833	VV	2131	106651	2.70%	1.144%
341	20.838	20.833	20.878	VV	1810	47022	1.19%	0.504%
342	21.001	20.878	21.044	VV	2092	167611	4.25%	1.798%
343	21.061	21.044	21.095	VV	1526	44530	1.13%	0.478%
344	21.106	21.095	21.159	VV	1436	52964	1.34%	0.568%
345	21.180	21.159	21.218	VV	1399	46343	1.17%	0.497%
346	21.244	21.218	21.254	VV	1269	26645	0.68%	0.286%
347	21.264	21.254	21.311	VV	1200	39409	1.00%	0.423%
348	21.373	21.311	21.388	VV	1205	52596	1.33%	0.564%
349	21.393	21.388	21.433	VV	1151	28416	0.72%	0.305%
350	21.465	21.433	21.525	VV	1092	53315	1.35%	0.572%
351	21.583	21.525	21.634	VV	909	53313	1.35%	0.572%

						rteres		
352	21.701	21.634	21.728	VV	764	40786	1.03%	0.438%
353	21.755	21.728	21.821	VV	698	33338	0.84%	0.358%
354	21.837	21.821	21.888	VV	563	19919	0.50%	0.214%
355	21.902	21.888	21.924	VV	519	9934	0.25%	0.107%
356	21.974	21.924	22.028	VV	706	33737	0.85%	0.362%
357	22.042	22.028	22.137	VV	459	20326	0.52%	0.218%
358	22.164	22.137	22.214	VV	152	5233	0.13%	0.056%
						Sum of corrected areas:		9321241

Aliphatic EPH 040925.M Thu Apr 10 06:11:16 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040925AR\
 Data File : FD049262.D
 Signal(s) : FID2B.ch
 Acq On : 09 Apr 2025 19:08
 Operator : YP/AJ
 Sample : Q1746-06
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-149-GW01

Integration File: autoint1.e
 Quant Time: Apr 10 02:09:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 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...	7.751	6591465	44.497 ug/ml
Spiked Amount 50.000		Recovery =	88.99%
6) S 2-Fluorobiphenyl (SURR)	8.617	3909482	38.327 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	76.65%
11) S ortho-Terphenyl (SURR)	11.660	7121893	40.423 ug/ml
Spiked Amount 50.000		Recovery =	80.85%

Target Compounds

(f)=RT Delta > 1/2 Window

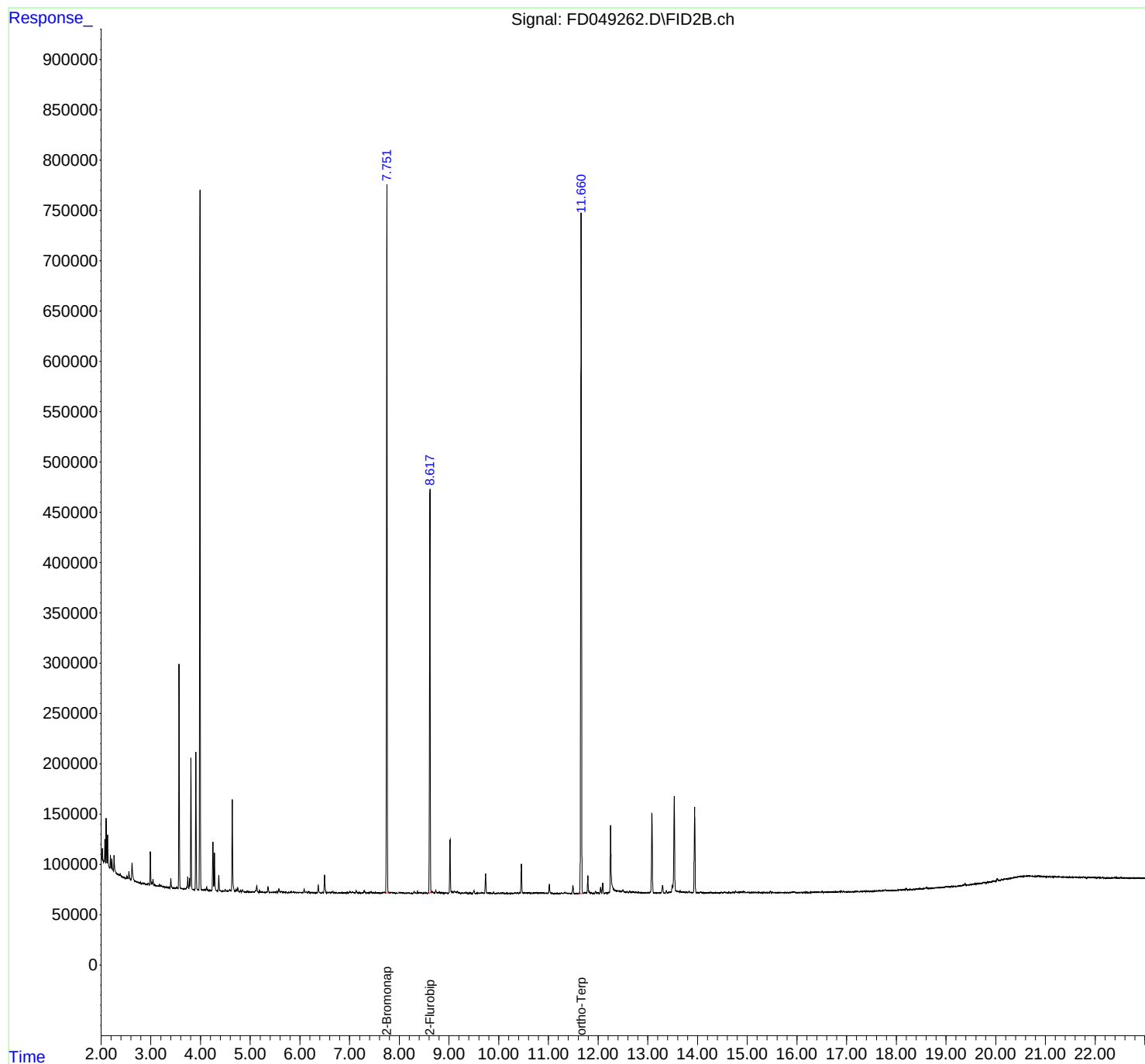
(m)=manual int.

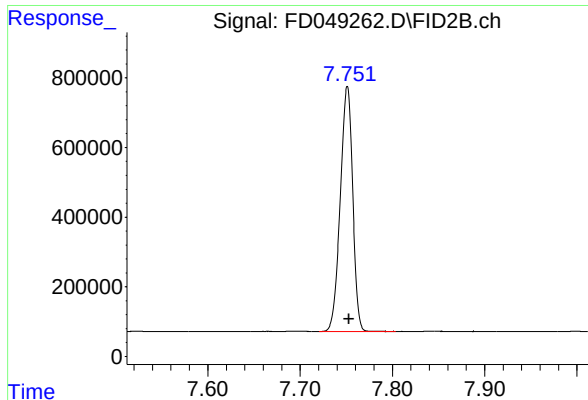
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040925AR\
Data File : FD049262.D
Signal(s) : FID2B.ch
Acq On : 09 Apr 2025 19:08
Operator : YP/AJ
Sample : Q1746-06
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-149-GW01

Integration File: autoint1.e
Quant Time: Apr 10 02:09:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

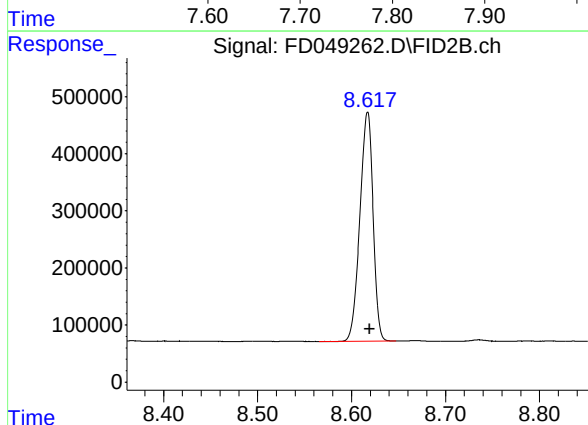




#4 2-Bromonaphthalene (SURR)

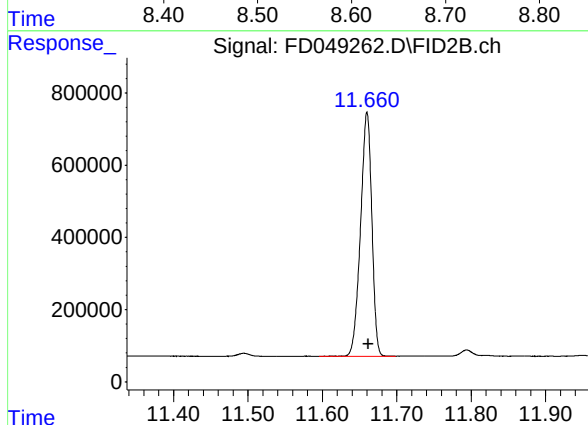
R.T.: 7.751 min
Delta R.T.: -0.001 min
Response: 6591465
Conc: 44.50 ug/ml

Instrument :
FID_D
ClientSampleId :
B-149-GW01



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.617 min
Delta R.T.: -0.002 min
Response: 3909482
Conc: 38.33 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.660 min
Delta R.T.: -0.002 min
Response: 7121893
Conc: 40.42 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040925AR\
 Data File : FD049262.D
 Signal(s) : FID2B.ch
 Acq On : 09 Apr 2025 19:08
 Sample : Q1746-06
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.073	4.042	4.083	BV	954	8696	0.12%	0.024%
2	4.095	4.083	4.108	VV	1104	9450	0.13%	0.026%
3	4.123	4.108	4.140	VV	3419	30225	0.42%	0.083%
4	4.146	4.140	4.177	VV	654	5307	0.07%	0.015%
5	4.192	4.177	4.204	PV	808	7029	0.10%	0.019%
6	4.208	4.204	4.223	VV	418	3119	0.04%	0.009%
7	4.250	4.223	4.267	VV	48612	523473	7.34%	1.443%
8	4.281	4.267	4.330	VV	37916	351242	4.93%	0.968%
9	4.368	4.330	4.414	VV	15988	147614	2.07%	0.407%
10	4.419	4.414	4.434	VV	241	1769	0.02%	0.005%
11	4.456	4.434	4.475	VV	503	7014	0.10%	0.019%
12	4.497	4.475	4.518	VV	2229	25591	0.36%	0.071%
13	4.523	4.518	4.530	VV	434	2515	0.04%	0.007%
14	4.535	4.530	4.551	VV	478	4220	0.06%	0.012%
15	4.589	4.551	4.622	VV	1930	36485	0.51%	0.101%
16	4.639	4.622	4.687	VV	91818	858491	12.04%	2.366%
17	4.691	4.687	4.703	VV	943	7369	0.10%	0.020%
18	4.721	4.703	4.735	VV	2533	27765	0.39%	0.077%
19	4.750	4.735	4.773	VV	4154	41152	0.58%	0.113%
20	4.805	4.773	4.826	PV	2057	22498	0.32%	0.062%
21	4.842	4.826	4.899	VV	2208	31300	0.44%	0.086%
22	4.905	4.899	4.932	PV	223	3431	0.05%	0.009%
23	4.944	4.932	4.969	VV	709	8876	0.12%	0.024%
24	4.972	4.969	4.994	VV	392	2771	0.04%	0.008%
25	5.061	5.005	5.085	VV	583	14098	0.20%	0.039%
26	5.107	5.085	5.113	VV	1874	18367	0.26%	0.051%
27	5.132	5.113	5.164	VV	6727	80520	1.13%	0.222%
28	5.189	5.164	5.210	VV	1429	20103	0.28%	0.055%
29	5.217	5.210	5.235	VV	573	6603	0.09%	0.018%
30	5.247	5.235	5.290	VV	496	8295	0.12%	0.023%
31	5.321	5.301	5.342	PV	579	7620	0.11%	0.021%
32	5.358	5.342	5.398	VV	5625	62843	0.88%	0.173%
33	5.411	5.398	5.430	VV	464	5914	0.08%	0.016%
34	5.435	5.430	5.440	VV	318	1714	0.02%	0.005%
35	5.448	5.440	5.454	VV	461	2861	0.04%	0.008%
36	5.461	5.454	5.467	VV	393	2691	0.04%	0.007%

					rterres			
37	5.469	5.467	5.475	VV	431	1489	0.02%	0.004%
38	5.499	5.475	5.518	VV	719	11066	0.16%	0.030%
39	5.534	5.518	5.557	VV	1597	18109	0.25%	0.050%
40	5.577	5.557	5.609	VV	4035	60405	0.85%	0.166%
41	5.614	5.609	5.619	VV	1031	5564	0.08%	0.015%
42	5.630	5.619	5.651	VV	1180	15181	0.21%	0.042%
43	5.674	5.651	5.682	VV	705	8462	0.12%	0.023%
44	5.688	5.682	5.706	VV	434	6094	0.09%	0.017%
45	5.721	5.706	5.757	VV	716	10887	0.15%	0.030%
46	5.778	5.757	5.790	VV	488	5113	0.07%	0.014%
47	5.823	5.790	5.854	VV	951	20659	0.29%	0.057%
48	5.872	5.854	5.902	VV	931	16603	0.23%	0.046%
49	5.908	5.902	5.912	VV	358	1746	0.02%	0.005%
50	5.919	5.912	5.936	VV	433	4440	0.06%	0.012%
51	5.944	5.936	5.954	VV	350	2484	0.03%	0.007%
52	5.963	5.954	5.968	VV	307	2100	0.03%	0.006%
53	5.976	5.968	5.982	VV	331	2589	0.04%	0.007%
54	5.991	5.982	6.019	VV	595	8860	0.12%	0.024%
55	6.037	6.019	6.044	VV	392	4094	0.06%	0.011%
56	6.086	6.044	6.104	VV	4051	46017	0.65%	0.127%
57	6.129	6.104	6.149	VV	1135	18482	0.26%	0.051%
58	6.172	6.149	6.204	VV	1738	22847	0.32%	0.063%
59	6.226	6.204	6.276	VV	755	18466	0.26%	0.051%
60	6.286	6.276	6.297	VV	422	4068	0.06%	0.011%
61	6.308	6.297	6.329	VV	608	5502	0.08%	0.015%
62	6.344	6.329	6.350	VV	395	3488	0.05%	0.010%
63	6.370	6.350	6.420	VV	7557	80892	1.13%	0.223%
64	6.456	6.420	6.472	VV	992	13544	0.19%	0.037%
65	6.496	6.472	6.544	VV	18072	210368	2.95%	0.580%
66	6.554	6.544	6.568	VV	648	8083	0.11%	0.022%
67	6.573	6.568	6.582	VV	523	3541	0.05%	0.010%
68	6.598	6.582	6.610	VV	879	10413	0.15%	0.029%
69	6.631	6.610	6.645	VV	904	11728	0.16%	0.032%
70	6.661	6.645	6.682	VV	1982	22770	0.32%	0.063%
71	6.693	6.682	6.719	VV	634	7117	0.10%	0.020%
72	6.732	6.719	6.749	VV	1005	9625	0.14%	0.027%
73	6.799	6.749	6.822	PV	546	10401	0.15%	0.029%
74	6.842	6.822	6.870	VV	642	10249	0.14%	0.028%
75	6.895	6.870	6.902	VV	440	5463	0.08%	0.015%
76	6.905	6.902	6.935	VV	374	4003	0.06%	0.011%
77	6.956	6.935	6.977	VV	889	12501	0.18%	0.034%
78	6.982	6.977	6.990	VV	438	3038	0.04%	0.008%
79	7.007	6.990	7.042	VV	1480	30028	0.42%	0.083%
80	7.058	7.042	7.099	VV	1339	28784	0.40%	0.079%
81	7.136	7.099	7.184	VV	2372	42055	0.59%	0.116%
82	7.189	7.184	7.209	VV	483	4865	0.07%	0.013%
83	7.211	7.209	7.223	VV	322	1768	0.02%	0.005%
84	7.246	7.223	7.256	VV	472	4951	0.07%	0.014%
85	7.295	7.256	7.326	VV	3050	48601	0.68%	0.134%
86	7.349	7.326	7.362	VV	658	9580	0.13%	0.026%
87	7.372	7.362	7.388	VV	698	8516	0.12%	0.023%
88	7.402	7.388	7.416	VV	737	8928	0.13%	0.025%
89	7.432	7.416	7.460	VV	1342	19365	0.27%	0.053%

					rteres			
90	7.467	7.460	7.482	VV	518	4691	0.07%	0.013%
91	7.497	7.482	7.509	VV	582	6632	0.09%	0.018%
92	7.525	7.509	7.551	VV	967	13384	0.19%	0.037%
93	7.554	7.551	7.558	VV	316	1106	0.02%	0.003%
94	7.565	7.558	7.569	VV	314	1812	0.03%	0.005%
95	7.572	7.569	7.590	VV	306	3323	0.05%	0.009%
96	7.595	7.590	7.632	VV	398	6660	0.09%	0.018%
97	7.665	7.632	7.676	VV	765	13749	0.19%	0.038%
98	7.695	7.676	7.721	VV	1433	24318	0.34%	0.067%
99	7.751	7.721	7.829	VV	705371	6625797	92.93%	18.259%
100	7.843	7.829	7.879	VV	1147	20698	0.29%	0.057%
101	7.889	7.879	7.927	VV	689	10213	0.14%	0.028%
102	7.935	7.927	7.941	VV	289	1712	0.02%	0.005%
103	7.955	7.941	7.965	VV	456	3794	0.05%	0.010%
104	7.999	7.965	8.015	VV	1081	14148	0.20%	0.039%
105	8.030	8.015	8.056	VV	833	12016	0.17%	0.033%
106	8.062	8.056	8.074	VV	332	2490	0.03%	0.007%
107	8.089	8.074	8.109	VV	539	6405	0.09%	0.018%
108	8.120	8.109	8.126	VV	357	1919	0.03%	0.005%
109	8.134	8.126	8.139	VV	224	1384	0.02%	0.004%
110	8.146	8.139	8.162	VV	456	4195	0.06%	0.012%
111	8.164	8.162	8.172	VV	399	1760	0.02%	0.005%
112	8.204	8.172	8.225	VV	696	12555	0.18%	0.035%
113	8.234	8.225	8.263	VV	288	4479	0.06%	0.012%
114	8.273	8.263	8.280	VV	286	1896	0.03%	0.005%
115	8.301	8.280	8.349	VV	2259	31686	0.44%	0.087%
116	8.367	8.349	8.387	VV	1605	18043	0.25%	0.050%
117	8.401	8.387	8.411	VV	908	10628	0.15%	0.029%
118	8.417	8.411	8.427	VV	814	6466	0.09%	0.018%
119	8.446	8.427	8.472	VV	741	13140	0.18%	0.036%
120	8.502	8.479	8.521	VV	553	9512	0.13%	0.026%
121	8.536	8.521	8.580	VV	671	11273	0.16%	0.031%
122	8.617	8.580	8.647	VV	402699	3936990	55.22%	10.850%
123	8.652	8.647	8.656	VV	1213	6344	0.09%	0.017%
124	8.668	8.656	8.693	VV	1826	25640	0.36%	0.071%
125	8.698	8.693	8.705	VV	668	4383	0.06%	0.012%
126	8.736	8.705	8.771	VV	3266	50641	0.71%	0.140%
127	8.787	8.771	8.799	VV	1134	14584	0.20%	0.040%
128	8.811	8.799	8.829	VV	1159	14787	0.21%	0.041%
129	8.837	8.829	8.854	VV	943	10069	0.14%	0.028%
130	8.862	8.854	8.882	VV	732	8048	0.11%	0.022%
131	8.899	8.882	8.915	VV	460	7112	0.10%	0.020%
132	8.922	8.915	8.931	VV	504	4087	0.06%	0.011%
133	8.935	8.931	8.943	VV	436	2774	0.04%	0.008%
134	8.954	8.943	8.972	VV	553	6457	0.09%	0.018%
135	9.022	8.972	9.044	VV	53417	538550	7.55%	1.484%
136	9.053	9.044	9.070	VV	2165	26829	0.38%	0.074%
137	9.079	9.070	9.091	VV	1718	16450	0.23%	0.045%
138	9.106	9.091	9.126	VV	2606	34505	0.48%	0.095%
139	9.140	9.126	9.164	VV	1827	30595	0.43%	0.084%
140	9.176	9.164	9.194	VV	2294	25053	0.35%	0.069%
141	9.208	9.194	9.227	VV	658	9798	0.14%	0.027%

					rteres			
142	9.231	9.227	9.242	VV	389	2531	0.04%	0.007%
143	9.259	9.242	9.287	VV	672	10495	0.15%	0.029%
144	9.307	9.287	9.325	VV	883	12053	0.17%	0.033%
145	9.345	9.325	9.381	VV	975	16028	0.22%	0.044%
146	9.406	9.390	9.414	VV	503	4537	0.06%	0.013%
147	9.423	9.414	9.432	VV	508	4067	0.06%	0.011%
148	9.437	9.432	9.462	VV	308	3495	0.05%	0.010%
149	9.503	9.462	9.529	VV	3059	43102	0.60%	0.119%
150	9.537	9.529	9.549	PV	209	2013	0.03%	0.006%
151	9.564	9.549	9.585	VV	769	9445	0.13%	0.026%
152	9.591	9.585	9.601	VV	370	2575	0.04%	0.007%
153	9.621	9.601	9.645	VV	708	12070	0.17%	0.033%
154	9.658	9.645	9.701	VV	1432	22360	0.31%	0.062%
155	9.706	9.701	9.712	VV	413	2418	0.03%	0.007%
156	9.738	9.712	9.764	VV	19832	221461	3.11%	0.610%
157	9.771	9.764	9.795	VV	628	8259	0.12%	0.023%
158	9.810	9.795	9.817	VV	569	7090	0.10%	0.020%
159	9.821	9.817	9.828	VV	633	3726	0.05%	0.010%
160	9.835	9.828	9.874	VV	773	9309	0.13%	0.026%
161	9.896	9.874	9.918	VV	1592	18961	0.27%	0.052%
162	9.922	9.918	9.927	VV	271	1280	0.02%	0.004%
163	9.933	9.927	9.945	VV	214	1714	0.02%	0.005%
164	9.980	9.945	9.987	VV	578	8578	0.12%	0.024%
165	10.006	9.987	10.032	VV	575	10287	0.14%	0.028%
166	10.048	10.032	10.063	VV	705	8843	0.12%	0.024%
167	10.068	10.063	10.078	VV	509	3825	0.05%	0.011%
168	10.095	10.078	10.121	VV	837	10954	0.15%	0.030%
169	10.149	10.121	10.165	PV	388	6238	0.09%	0.017%
170	10.178	10.165	10.195	VV	395	5259	0.07%	0.014%
171	10.202	10.195	10.212	VV	413	3015	0.04%	0.008%
172	10.218	10.212	10.238	VV	505	5188	0.07%	0.014%
173	10.242	10.238	10.253	VV	321	2805	0.04%	0.008%
174	10.261	10.253	10.265	VV	396	2121	0.03%	0.006%
175	10.269	10.265	10.280	VV	436	2941	0.04%	0.008%
176	10.292	10.280	10.305	VV	477	5122	0.07%	0.014%
177	10.329	10.305	10.344	VV	731	12438	0.17%	0.034%
178	10.362	10.344	10.372	VV	765	10284	0.14%	0.028%
179	10.378	10.372	10.403	VV	740	9815	0.14%	0.027%
180	10.422	10.403	10.435	VV	1231	16251	0.23%	0.045%
181	10.458	10.435	10.491	VV	29648	311536	4.37%	0.859%
182	10.499	10.491	10.509	VV	685	7510	0.11%	0.021%
183	10.513	10.509	10.520	VV	808	4789	0.07%	0.013%
184	10.524	10.520	10.535	VV	715	6353	0.09%	0.018%
185	10.542	10.535	10.550	VV	674	5383	0.08%	0.015%
186	10.561	10.550	10.575	VV	819	9919	0.14%	0.027%
187	10.585	10.575	10.604	VV	995	12753	0.18%	0.035%
188	10.612	10.604	10.619	VV	649	5633	0.08%	0.016%
189	10.624	10.619	10.640	VV	746	8175	0.11%	0.023%
190	10.645	10.640	10.667	VV	580	6019	0.08%	0.017%
191	10.687	10.667	10.705	VV	694	11286	0.16%	0.031%
192	10.725	10.705	10.737	VV	755	10944	0.15%	0.030%
193	10.769	10.737	10.785	VV	1099	22760	0.32%	0.063%
194	10.792	10.785	10.805	VV	481	4457	0.06%	0.012%

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195	10.828	10.805	10.844	VV	852	14454	0.20%	0.040%
196	10.854	10.844	10.865	VV	732	7677	0.11%	0.021%
197	10.882	10.865	10.905	VV	835	15231	0.21%	0.042%
198	10.913	10.905	10.930	VV	588	7063	0.10%	0.019%
199	10.960	10.930	10.987	VV	794	17639	0.25%	0.049%
200	11.020	10.987	11.079	VV	9436	122497	1.72%	0.338%
201	11.082	11.079	11.106	VV	397	5018	0.07%	0.014%
202	11.130	11.106	11.153	VV	346	5846	0.08%	0.016%
203	11.162	11.153	11.169	VV	434	3619	0.05%	0.010%
204	11.175	11.169	11.231	VV	523	9216	0.13%	0.025%
205	11.263	11.240	11.291	VV	796	13397	0.19%	0.037%
206	11.310	11.291	11.316	VV	639	6523	0.09%	0.018%
207	11.332	11.316	11.360	VV	1450	22418	0.31%	0.062%
208	11.368	11.360	11.398	VV	695	11630	0.16%	0.032%
209	11.405	11.398	11.422	VV	525	5461	0.08%	0.015%
210	11.424	11.422	11.437	VV	428	2421	0.03%	0.007%
211	11.494	11.437	11.526	PV	8458	98176	1.38%	0.271%
212	11.556	11.526	11.561	PV	232	2484	0.03%	0.007%
213	11.582	11.561	11.597	PV	377	4552	0.06%	0.013%
214	11.613	11.597	11.620	VV	401	4050	0.06%	0.011%
215	11.660	11.620	11.699	VV	676245	7129524	100.00%	19.647%
216	11.725	11.699	11.743	VV	1046	18438	0.26%	0.051%
217	11.752	11.743	11.765	VV	835	9008	0.13%	0.025%
218	11.794	11.765	11.814	VV	17606	199780	2.80%	0.551%
219	11.820	11.814	11.842	VV	2457	23978	0.34%	0.066%
220	11.845	11.842	11.852	VV	470	2042	0.03%	0.006%
221	11.865	11.852	11.897	VV	753	11314	0.16%	0.031%
222	11.907	11.897	11.917	VV	405	3095	0.04%	0.009%
223	11.949	11.917	11.970	VV	2525	33708	0.47%	0.093%
224	11.988	11.970	12.029	VV	1071	20482	0.29%	0.056%
225	12.051	12.029	12.072	VV	6414	73551	1.03%	0.203%
226	12.093	12.072	12.120	VV	10798	120679	1.69%	0.333%
227	12.162	12.120	12.183	VV	957	19646	0.28%	0.054%
228	12.216	12.183	12.226	VV	1292	22506	0.32%	0.062%
229	12.251	12.226	12.359	VV	67941	1013985	14.22%	2.794%
230	12.361	12.359	12.397	VV	2944	61200	0.86%	0.169%
231	12.410	12.397	12.436	VV	2925	57868	0.81%	0.159%
232	12.441	12.436	12.477	VV	2305	51228	0.72%	0.141%
233	12.499	12.477	12.546	VV	3449	89179	1.25%	0.246%
234	12.553	12.546	12.559	VV	1432	10706	0.15%	0.030%
235	12.578	12.559	12.604	VV	2129	40874	0.57%	0.113%
236	12.637	12.604	12.660	VV	2554	52544	0.74%	0.145%
237	12.698	12.660	12.727	VV	2082	56534	0.79%	0.156%
238	12.731	12.727	12.747	VV	1220	12246	0.17%	0.034%
239	12.754	12.747	12.758	VV	1151	6892	0.10%	0.019%
240	12.764	12.758	12.788	VV	1186	17795	0.25%	0.049%
241	12.808	12.788	12.826	VV	1672	27207	0.38%	0.075%
242	12.838	12.826	12.857	VV	855	13110	0.18%	0.036%
243	12.872	12.857	12.897	VV	895	16603	0.23%	0.046%
244	12.912	12.897	12.931	VV	716	12196	0.17%	0.034%
245	12.937	12.931	12.945	VV	579	4219	0.06%	0.012%
246	12.960	12.945	12.973	VV	713	9198	0.13%	0.025%

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247	12.998	12.973	13.029	VV	924	20337	0.29%	0.056%
248	13.082	13.029	13.112	VV	79435	946524	13.28%	2.608%
249	13.125	13.112	13.148	VV	651	11543	0.16%	0.032%
250	13.151	13.148	13.164	VV	454	3637	0.05%	0.010%
251	13.179	13.164	13.192	VV	566	6741	0.09%	0.019%
252	13.198	13.192	13.224	VV	341	4352	0.06%	0.012%
253	13.239	13.224	13.254	VV	628	8035	0.11%	0.022%
254	13.295	13.254	13.350	VV	7783	122362	1.72%	0.337%
255	13.373	13.350	13.398	VV	2516	30553	0.43%	0.084%
256	13.426	13.398	13.437	VV	1053	17071	0.24%	0.047%
257	13.446	13.437	13.454	VV	1126	11380	0.16%	0.031%
258	13.489	13.454	13.503	VV	7921	112455	1.58%	0.310%
259	13.530	13.503	13.616	VV	96649	1272240	17.84%	3.506%
260	13.621	13.616	13.637	VV	1714	21182	0.30%	0.058%
261	13.649	13.637	13.683	VV	1780	40916	0.57%	0.113%
262	13.690	13.683	13.705	VV	1397	17177	0.24%	0.047%
263	13.715	13.705	13.757	VV	1418	33263	0.47%	0.092%
264	13.780	13.757	13.808	VV	1595	32094	0.45%	0.088%
265	13.830	13.808	13.867	VV	2028	39679	0.56%	0.109%
266	13.873	13.867	13.908	VV	811	16284	0.23%	0.045%
267	13.941	13.908	13.982	VV	85676	1015382	14.24%	2.798%
268	14.002	13.982	14.019	VV	696	11873	0.17%	0.033%
269	14.025	14.019	14.035	VV	527	4267	0.06%	0.012%
270	14.063	14.035	14.116	VV	974	30313	0.43%	0.084%
271	14.122	14.116	14.131	VV	389	2788	0.04%	0.008%
272	14.135	14.131	14.141	VV	319	1337	0.02%	0.004%
273	14.147	14.141	14.180	VV	312	4199	0.06%	0.012%
274	14.198	14.180	14.207	VV	360	3042	0.04%	0.008%
275	14.230	14.207	14.237	VV	374	5455	0.08%	0.015%
276	14.266	14.237	14.294	VV	970	18646	0.26%	0.051%
277	14.314	14.294	14.332	VV	371	4055	0.06%	0.011%
278	14.337	14.332	14.345	VV	210	1243	0.02%	0.003%
279	14.366	14.345	14.398	VV	587	11657	0.16%	0.032%
280	14.404	14.398	14.416	VV	344	2825	0.04%	0.008%
281	14.421	14.416	14.426	VV	252	1106	0.02%	0.003%
282	14.476	14.437	14.506	VV	1085	18244	0.26%	0.050%
283	14.513	14.506	14.519	VV	445	2516	0.04%	0.007%
284	14.537	14.519	14.543	VV	1165	10792	0.15%	0.030%
285	14.547	14.543	14.562	VV	999	8429	0.12%	0.023%
286	14.570	14.562	14.580	VV	697	5087	0.07%	0.014%
287	14.594	14.580	14.600	VV	548	5219	0.07%	0.014%
288	14.605	14.600	14.615	VV	607	4476	0.06%	0.012%
289	14.632	14.615	14.659	VV	824	14121	0.20%	0.039%
290	14.683	14.659	14.689	VV	559	7180	0.10%	0.020%
291	14.714	14.689	14.736	VV	795	17838	0.25%	0.049%
292	14.742	14.736	14.747	VV	748	4120	0.06%	0.011%
293	14.769	14.747	14.793	VV	1663	28047	0.39%	0.077%
294	14.797	14.793	14.807	VV	662	4325	0.06%	0.012%
295	14.810	14.807	14.819	VV	610	3169	0.04%	0.009%
296	14.884	14.819	14.903	VV	1320	39082	0.55%	0.108%
297	14.930	14.903	14.980	VV	1819	45355	0.64%	0.125%
298	14.984	14.980	14.992	VV	594	4051	0.06%	0.011%
299	14.998	14.992	15.005	VV	667	4553	0.06%	0.013%

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300	15.010	15.005	15.019	VV	621	4607	0.06%	0.013%
301	15.039	15.019	15.087	VV	1022	23963	0.34%	0.066%
302	15.100	15.087	15.168	VV	739	21897	0.31%	0.060%
303	15.178	15.168	15.187	VV	557	4565	0.06%	0.013%
304	15.194	15.187	15.199	VV	481	2693	0.04%	0.007%
305	15.209	15.199	15.214	VV	655	4039	0.06%	0.011%
306	15.232	15.214	15.253	VV	672	10861	0.15%	0.030%
307	15.258	15.253	15.269	VV	345	2671	0.04%	0.007%
308	15.282	15.269	15.289	VV	363	3306	0.05%	0.009%
309	15.292	15.289	15.298	VV	527	2549	0.04%	0.007%
310	15.305	15.298	15.320	VV	467	4990	0.07%	0.014%
311	15.351	15.320	15.370	VV	655	13640	0.19%	0.038%
312	15.379	15.370	15.409	VV	556	7935	0.11%	0.022%
313	15.419	15.409	15.425	VV	359	2932	0.04%	0.008%
314	15.467	15.425	15.492	VV	1647	28654	0.40%	0.079%
315	15.497	15.492	15.514	VV	354	3606	0.05%	0.010%
316	15.524	15.514	15.542	VV	342	4281	0.06%	0.012%
317	15.548	15.542	15.552	PV	304	1147	0.02%	0.003%
318	15.555	15.552	15.573	VV	363	2773	0.04%	0.008%
319	15.583	15.573	15.595	VV	322	2910	0.04%	0.008%
320	15.620	15.595	15.627	VV	386	4194	0.06%	0.012%
321	15.642	15.627	15.657	VV	379	5833	0.08%	0.016%
322	15.664	15.657	15.710	VV	426	7934	0.11%	0.022%
323	15.725	15.710	15.731	VV	357	2734	0.04%	0.008%
324	15.749	15.731	15.758	VV	401	4039	0.06%	0.011%
325	15.765	15.758	15.787	VV	321	3729	0.05%	0.010%
326	15.794	15.787	15.805	VV	200	1529	0.02%	0.004%
327	15.820	15.805	15.826	VV	246	2185	0.03%	0.006%
328	15.829	15.826	15.840	VV	212	1135	0.02%	0.003%
329	15.863	15.840	15.867	PV	336	3323	0.05%	0.009%
330	15.878	15.867	15.884	VV	379	2699	0.04%	0.007%
331	15.906	15.884	15.911	VV	760	7554	0.11%	0.021%
332	15.914	15.911	15.924	VV	775	4730	0.07%	0.013%
333	15.946	15.924	15.970	VV	1172	19887	0.28%	0.055%
334	15.980	15.970	16.041	VV	398	9413	0.13%	0.026%
335	16.046	16.041	16.053	VV	187	1021	0.01%	0.003%
336	16.076	16.053	16.084	VV	213	2134	0.03%	0.006%
337	16.108	16.084	16.121	VV	261	3269	0.05%	0.009%
338	16.136	16.121	16.160	VV	232	3339	0.05%	0.009%
339	16.172	16.160	16.181	VV	307	2201	0.03%	0.006%
340	16.200	16.181	16.217	VV	462	4385	0.06%	0.012%
341	16.224	16.217	16.236	VV	250	2026	0.03%	0.006%
342	16.281	16.236	16.300	VV	260	5447	0.08%	0.015%
343	16.315	16.300	16.350	VV	604	6080	0.09%	0.017%
344	16.363	16.350	16.375	VV	426	3882	0.05%	0.011%
345	16.389	16.375	16.404	VV	329	4325	0.06%	0.012%
346	16.441	16.404	16.481	VV	628	16789	0.24%	0.046%
347	16.509	16.481	16.552	VV	997	19422	0.27%	0.054%
348	16.594	16.552	16.634	VV	544	16070	0.23%	0.044%
349	16.645	16.634	16.657	VV	461	4550	0.06%	0.013%
350	16.664	16.657	16.674	VV	300	2931	0.04%	0.008%
351	16.681	16.674	16.687	VV	279	2302	0.03%	0.006%

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352	16.697	16.687	16.704	VV	396	3176	0.04%	0.009%
353	16.739	16.704	16.763	VV	463	11997	0.17%	0.033%
354	16.795	16.763	16.822	VV	604	17167	0.24%	0.047%
355	16.855	16.822	16.873	VV	813	17215	0.24%	0.047%
356	16.892	16.873	16.914	VV	1202	20267	0.28%	0.056%
357	16.947	16.914	16.972	VV	804	18864	0.26%	0.052%
358	16.991	16.972	17.004	VV	549	8047	0.11%	0.022%
359	17.011	17.004	17.019	VV	427	3936	0.06%	0.011%
360	17.052	17.019	17.083	VV	570	16825	0.24%	0.046%
361	17.166	17.083	17.210	VV	830	42535	0.60%	0.117%
362	17.226	17.210	17.252	VV	708	14572	0.20%	0.040%
363	17.273	17.252	17.283	VV	722	11866	0.17%	0.033%
364	17.305	17.283	17.317	VV	1016	17165	0.24%	0.047%
365	17.340	17.317	17.385	VV	1220	35863	0.50%	0.099%
366	17.404	17.385	17.414	VV	912	12676	0.18%	0.035%
367	17.444	17.414	17.499	VV	1040	43958	0.62%	0.121%
368	17.507	17.499	17.518	VV	949	7808	0.11%	0.022%
369	17.603	17.518	17.617	PV	1015	50724	0.71%	0.140%
370	17.637	17.617	17.669	VV	1059	26930	0.38%	0.074%
371	17.675	17.669	17.685	VV	863	7681	0.11%	0.021%
372	17.698	17.685	17.708	VV	861	9785	0.14%	0.027%
373	17.745	17.708	17.755	VV	848	20418	0.29%	0.056%
374	17.777	17.755	17.812	VV	1748	38743	0.54%	0.107%
375	17.822	17.812	17.845	VV	766	12393	0.17%	0.034%
376	17.863	17.845	17.887	VV	534	11703	0.16%	0.032%
377	17.955	17.887	17.970	VV	678	26510	0.37%	0.073%
378	17.975	17.970	17.985	VV	541	4362	0.06%	0.012%
379	17.994	17.985	18.004	VV	566	4757	0.07%	0.013%
380	18.011	18.004	18.019	VV	527	4019	0.06%	0.011%
381	18.060	18.019	18.072	VV	730	16799	0.24%	0.046%
382	18.085	18.072	18.097	VV	659	8113	0.11%	0.022%
383	18.112	18.097	18.130	VV	607	10033	0.14%	0.028%
384	18.158	18.130	18.174	VV	748	14300	0.20%	0.039%
385	18.197	18.174	18.228	VV	1884	28811	0.40%	0.079%
386	18.250	18.228	18.264	VV	413	6470	0.09%	0.018%
387	18.278	18.264	18.286	VV	526	4996	0.07%	0.014%
388	18.295	18.286	18.325	VV	423	7064	0.10%	0.019%
389	18.352	18.325	18.381	VV	443	9699	0.14%	0.027%
390	18.411	18.381	18.427	VV	490	9643	0.14%	0.027%
391	18.474	18.427	18.492	VV	571	13702	0.19%	0.038%
392	18.604	18.492	18.647	VV	1643	59403	0.83%	0.164%
393	18.657	18.647	18.683	VV	432	7621	0.11%	0.021%
394	18.745	18.683	18.756	PV	653	18493	0.26%	0.051%
395	18.863	18.756	18.874	VV	727	35150	0.49%	0.097%
396	18.969	18.874	18.980	VV	761	35088	0.49%	0.097%
397	19.002	18.980	19.025	VV	1388	25959	0.36%	0.072%
398	19.031	19.025	19.045	VV	823	8363	0.12%	0.023%
399	19.051	19.045	19.071	VV	698	9234	0.13%	0.025%
400	19.129	19.071	19.143	VV	917	31404	0.44%	0.087%
401	19.183	19.143	19.210	VV	865	30364	0.43%	0.084%
402	19.264	19.210	19.272	VV	1066	31156	0.44%	0.086%
403	19.290	19.272	19.310	VV	1082	23188	0.33%	0.064%
404	19.384	19.310	19.407	VV	2196	82444	1.16%	0.227%

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405	19.419	19.407	19.428	VV	1346	16158	0.23%	0.045%
406	19.482	19.428	19.497	VV	1535	55368	0.78%	0.153%
407	19.502	19.497	19.508	VV	1383	9182	0.13%	0.025%
408	19.586	19.508	19.594	VV	1763	81534	1.14%	0.225%
409	19.630	19.594	19.639	VV	1869	48993	0.69%	0.135%
410	19.762	19.639	19.782	VV	2885	186613	2.62%	0.514%
411	19.799	19.782	19.809	VV	2401	36242	0.51%	0.100%
412	19.949	19.809	19.975	VV	3272	279179	3.92%	0.769%
413	20.032	19.975	20.058	VV	5411	193906	2.72%	0.534%
414	20.066	20.058	20.077	VV	3702	42204	0.59%	0.116%
415	20.121	20.077	20.139	VV	4588	151402	2.12%	0.417%
416	20.230	20.139	20.241	VV	4721	277495	3.89%	0.765%
417	20.474	20.241	20.500	VV	6336	855543	12.00%	2.358%
418	20.536	20.500	20.549	VV	6231	178117	2.50%	0.491%
419	20.561	20.549	20.574	VV	6378	92666	1.30%	0.255%
420	20.585	20.574	20.595	VV	6107	79361	1.11%	0.219%
421	20.670	20.595	20.726	VV	6341	473756	6.64%	1.306%
422	20.748	20.726	20.780	VV	5677	178409	2.50%	0.492%
423	20.791	20.780	20.822	VV	5457	134066	1.88%	0.369%
424	20.866	20.822	20.898	VV	5477	244082	3.42%	0.673%
425	20.913	20.898	20.982	VV	5068	235120	3.30%	0.648%
426	20.993	20.982	21.058	VV	4548	190972	2.68%	0.526%
427	21.082	21.058	21.113	VV	4047	129667	1.82%	0.357%
428	21.126	21.113	21.149	VV	4049	81206	1.14%	0.224%
429	21.195	21.149	21.249	VV	3712	211441	2.97%	0.583%
430	21.272	21.249	21.347	VV	3287	176629	2.48%	0.487%
431	21.385	21.347	21.402	VV	2840	88406	1.24%	0.244%
432	21.428	21.402	21.475	VV	2568	105941	1.49%	0.292%
433	21.485	21.475	21.535	VV	2246	73593	1.03%	0.203%
434	21.561	21.535	21.583	VV	2023	53725	0.75%	0.148%
435	21.601	21.583	21.638	VV	1962	57267	0.80%	0.158%
436	21.657	21.638	21.674	VV	1532	31581	0.44%	0.087%
437	21.694	21.674	21.709	VV	1464	27860	0.39%	0.077%
438	21.712	21.709	21.752	VV	1451	30166	0.42%	0.083%
439	21.771	21.752	21.825	VV	1439	43556	0.61%	0.120%
440	21.867	21.825	21.882	PV	553	14435	0.20%	0.040%
441	21.893	21.882	21.904	VV	293	2481	0.03%	0.007%
Sum of corrected areas:						36287276		

Aromatic EPH 040725.M Thu Apr 10 02:35:36 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
Data File : FC068539.D
Signal(s) : FID1A.ch
Acq On : 10 Apr 2025 00:04
Operator : YP/AJ
Sample : Q1746-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EB-2025-4-7

Integration File: autoint1.e
Quant Time: Apr 10 05:27:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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			
12) S 1-chlorooctadecane (S...	13.149	3916930	42.166 ug/ml
Spiked Amount 50.000		Recovery =	84.33%

Target Compounds

(f)=RT Delta > 1/2 Window

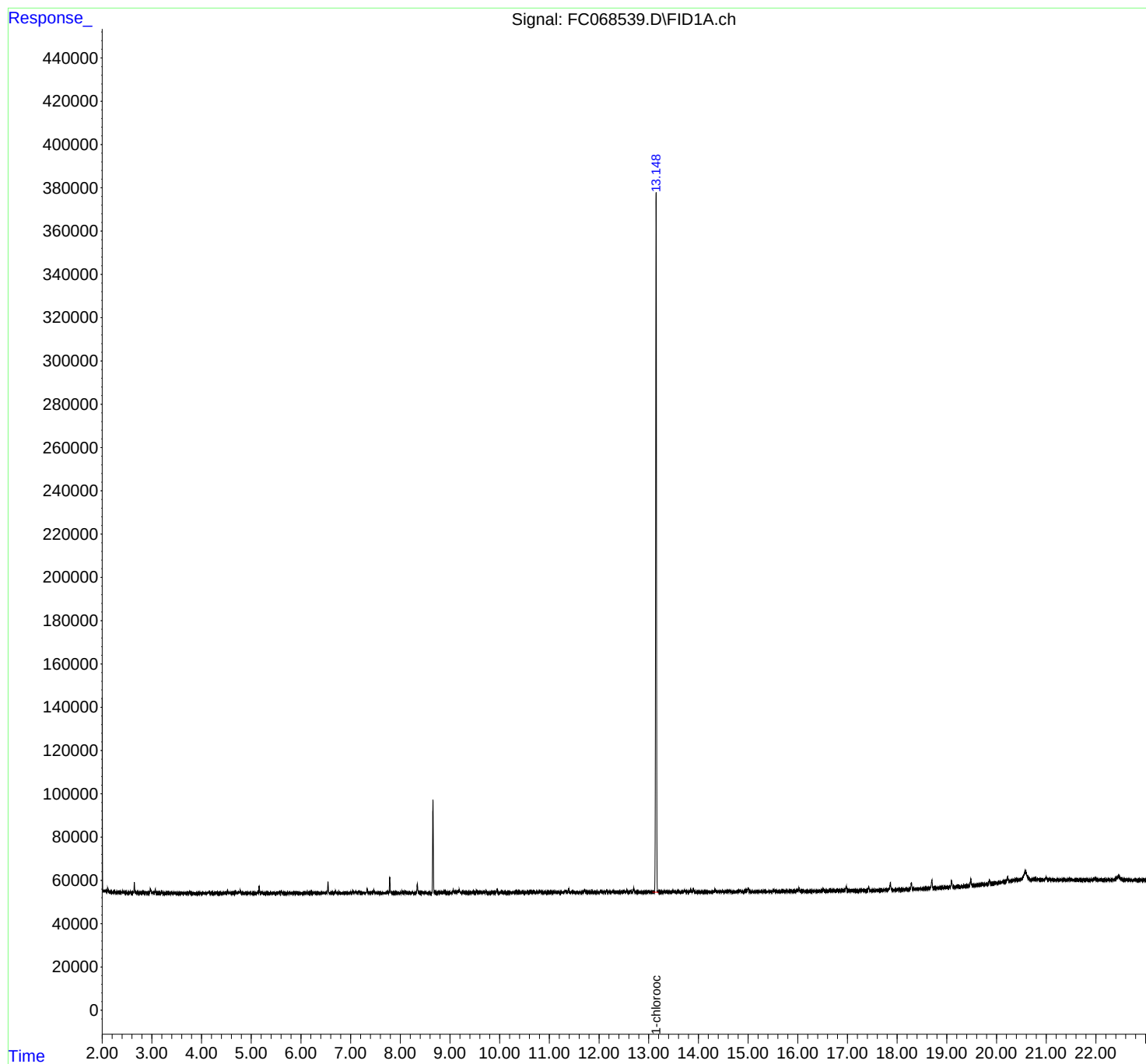
(m)=manual int.

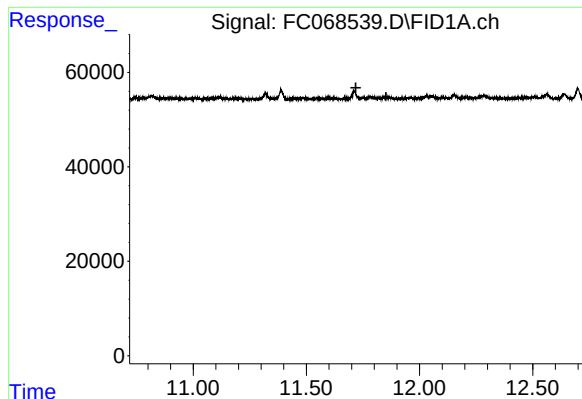
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
Data File : FC068539.D
Signal(s) : FID1A.ch
Acq On : 10 Apr 2025 00:04
Operator : YP/AJ
Sample : Q1746-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EB-2025-4-7

Integration File: autoint1.e
Quant Time: Apr 10 05:27:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

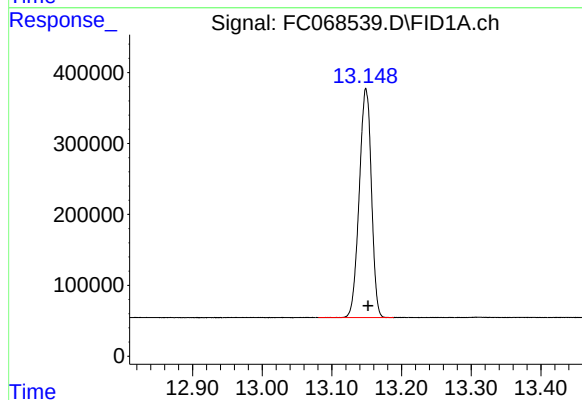




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.719 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
EB-2025-4-7



#12 1-chlorooctadecane (SURR)

R.T.: 13.149 min
Delta R.T.: -0.003 min
Response: 3916930
Conc: 42.17 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
 Data File : FC068539.D
 Signal(s) : FID1A.ch
 Acq On : 10 Apr 2025 00:04
 Sample : Q1746-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	5.159	5.097	5.187	BV	3349	40144	1.02%	0.861%
2	6.546	6.500	6.572	BB	5116	50997	1.30%	1.093%
3	7.788	7.762	7.812	BB	7339	68702	1.75%	1.473%
4	8.343	8.295	8.365	BB	4139	43434	1.11%	0.931%
5	8.657	8.602	8.707	BB	42794	436317	11.14%	9.355%
6	13.149	13.080	13.189	BB	322848	3916930	100.00%	83.978%
7	17.864	17.810	17.910	BB	3436	49741	1.27%	1.066%
8	18.698	18.629	18.737	BB	3865	57984	1.48%	1.243%
Sum of corrected areas:						4664248		

Aliphatic EPH 040925.M Tue Apr 15 08:23:39 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040925AR\
 Data File : FD049261.D
 Signal(s) : FID2B.ch
 Acq On : 09 Apr 2025 18:31
 Operator : YP/AJ
 Sample : Q1746-07
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 EB-2025-4-7

Integration File: autoint1.e
 Quant Time: Apr 10 02:09:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 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...	7.750	5686931	38.391 ug/ml
Spiked Amount 50.000		Recovery =	76.78%
6) S 2-Fluorobiphenyl (SURR)	8.616	3521137	34.520 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	69.04%
11) S ortho-Terphenyl (SURR)	11.659	6256507	35.511 ug/ml
Spiked Amount 50.000		Recovery =	71.02%

Target Compounds

(f)=RT Delta > 1/2 Window

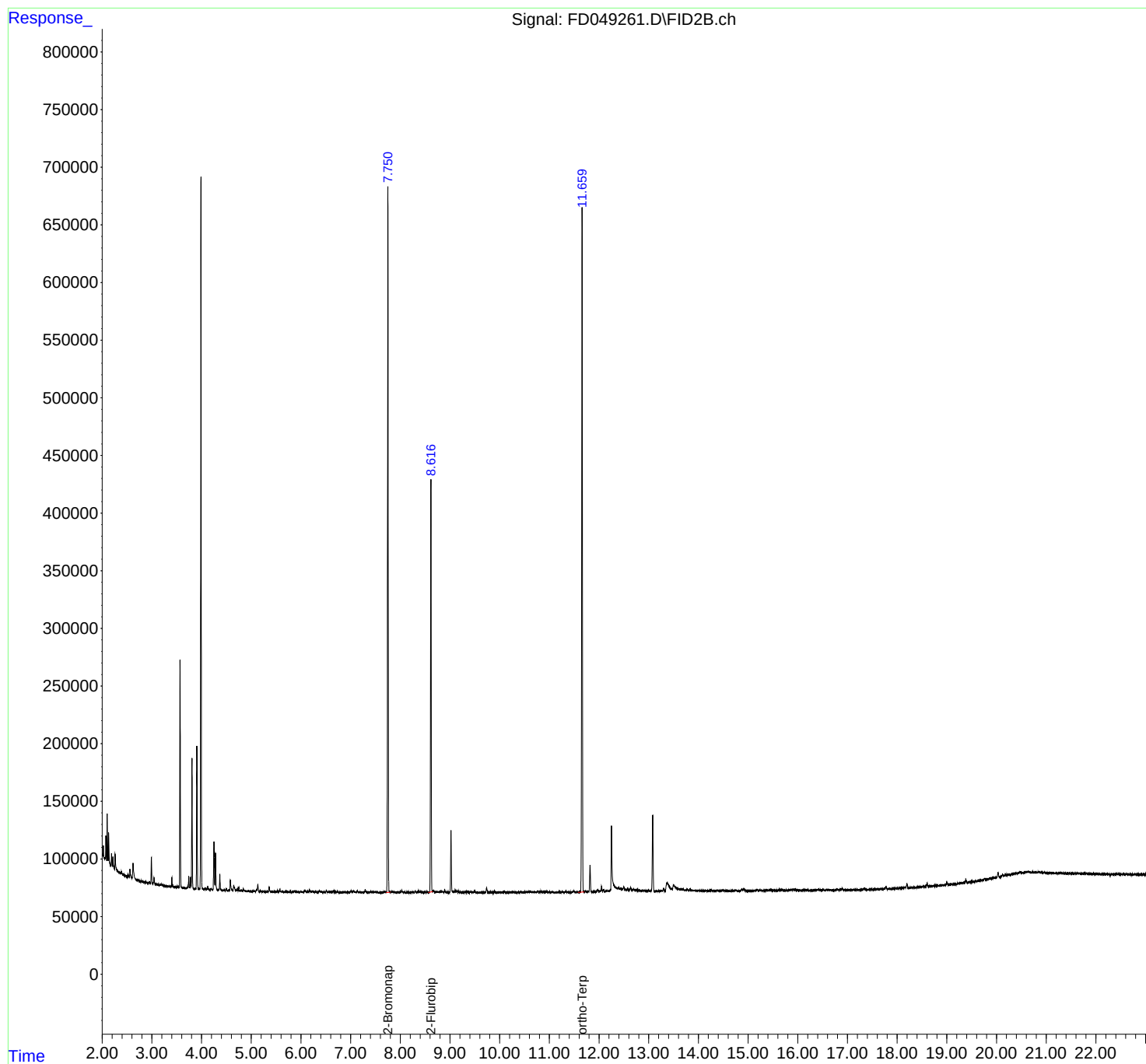
(m)=manual int.

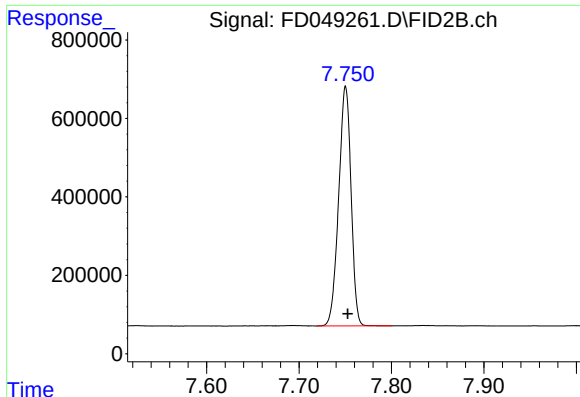
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040925AR\
Data File : FD049261.D
Signal(s) : FID2B.ch
Acq On : 09 Apr 2025 18:31
Operator : YP/AJ
Sample : Q1746-07
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EB-2025-4-7

Integration File: autoint1.e
Quant Time: Apr 10 02:09:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

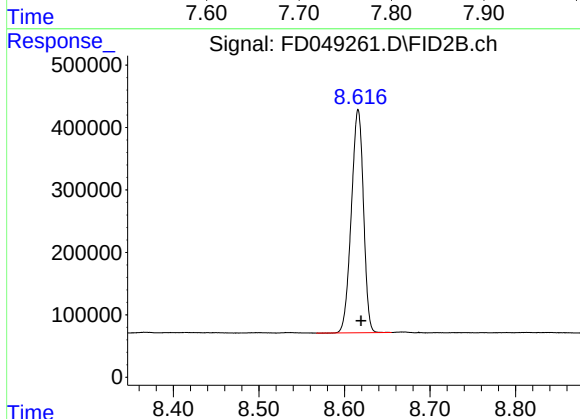




#4 2-Bromonaphthalene (SURRE)

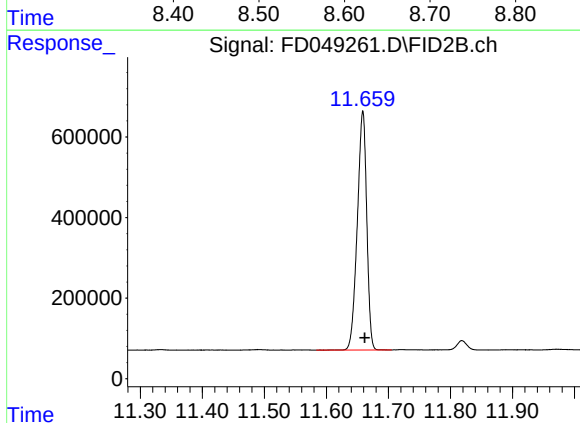
R.T.: 7.750 min
Delta R.T.: -0.002 min
Response: 5686931
Conc: 38.39 ug/ml

Instrument :
FID_D
ClientSampleId :
EB-2025-4-7



#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.616 min
Delta R.T.: -0.003 min
Response: 3521137
Conc: 34.52 ug/ml



#11 ortho-Terphenyl (SURRE)

R.T.: 11.659 min
Delta R.T.: -0.003 min
Response: 6256507
Conc: 35.51 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040925AR\
 Data File : FD049261.D
 Signal(s) : FID2B.ch
 Acq On : 09 Apr 2025 18:31
 Sample : Q1746-07
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.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	7.750	7.719	7.800	VV	611883	5686931	90.90%	31.091%
2	8.616	8.567	8.655	BV	357281	3521137	56.28%	19.251%
3	9.021	8.979	9.046	BV	53197	503107	8.04%	2.751%
4	9.737	9.685	9.762	PV	4099	47889	0.77%	0.262%
5	11.659	11.584	11.705	BV	593476	6256507	100.00%	34.205%
6	11.819	11.744	11.862	BB	23152	254620	4.07%	1.392%
7	12.050	12.014	12.072	VV	4721	51675	0.83%	0.283%
8	12.250	12.180	12.375	BV	56037	764761	12.22%	4.181%
9	13.081	13.019	13.115	BV	66213	773553	12.36%	4.229%
10	13.374	13.320	13.477	PV	6738	274354	4.39%	1.500%
11	13.497	13.477	13.577	VB	3874	107179	1.71%	0.586%
12	18.196	18.175	18.235	VB	3710	49399	0.79%	0.270%
Sum of corrected areas:						18291110		

Aromatic EPH 040725.M Tue Apr 15 08:24:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068560.D
Signal(s) : FID1A.ch
Acq On : 10 Apr 2025 21:36
Operator : YP/AJ
Sample : PB167513BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167513BL

Integration File: autoint1.e
Quant Time: Apr 11 03:45:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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			
12) S 1-chlorooctadecane (S...	13.143	3367296	36.249 ug/ml
Spiked Amount	50.000	Recovery	= 72.50%

Target Compounds

(f)=RT Delta > 1/2 Window

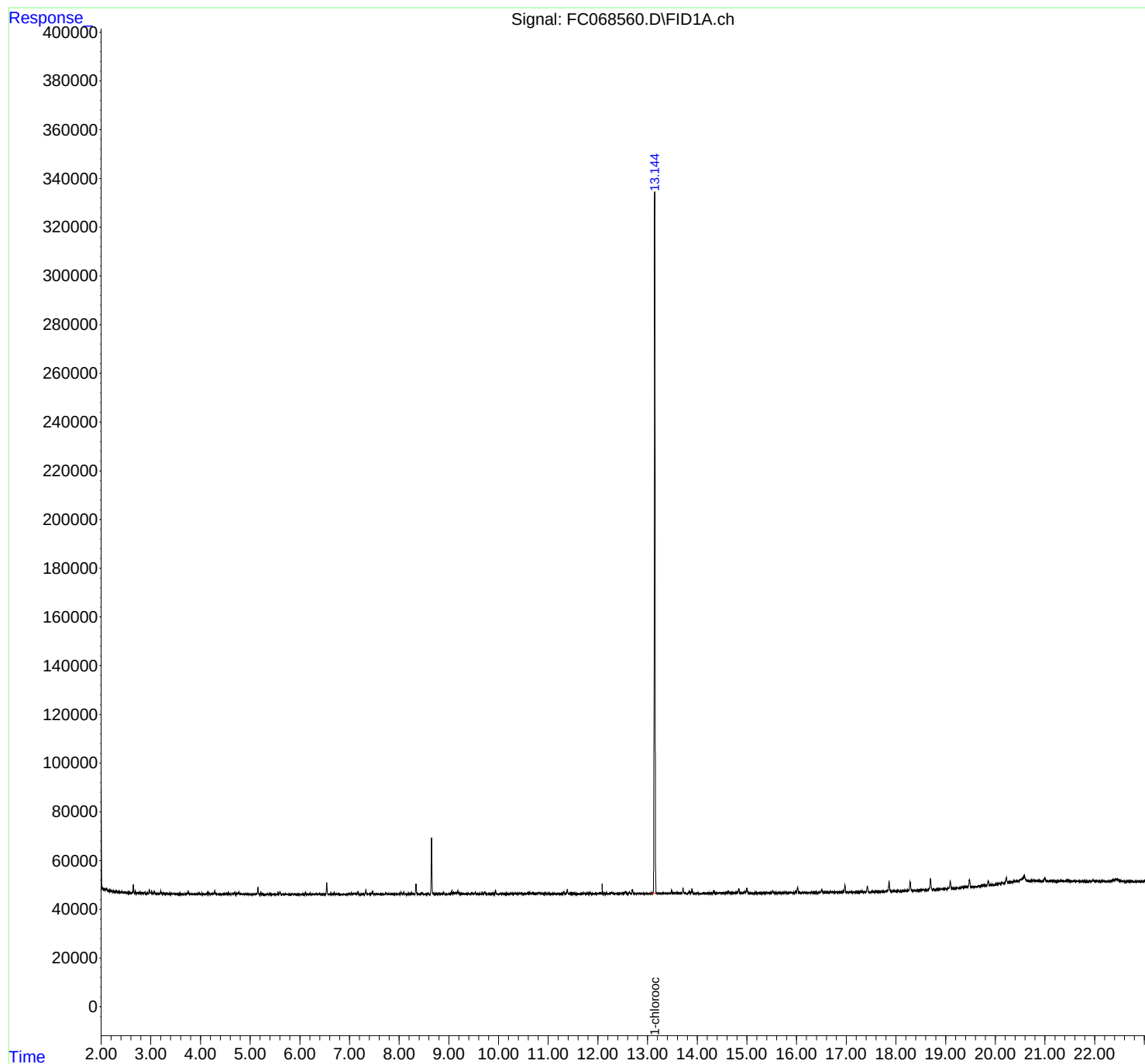
(m)=manual int.

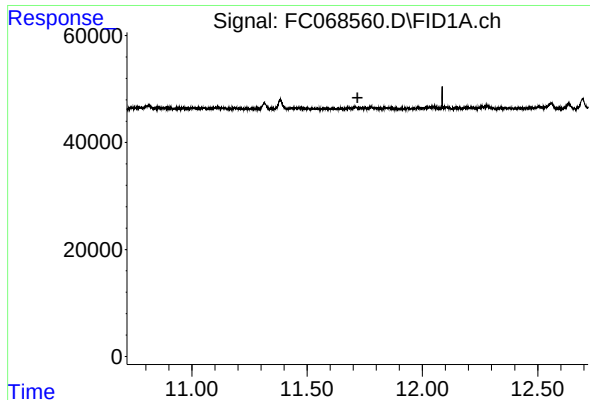
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068560.D
Signal(s) : FID1A.ch
Acq On : 10 Apr 2025 21:36
Operator : YP/AJ
Sample : PB167513BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167513BL

Integration File: autoint1.e
Quant Time: Apr 11 03:45:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

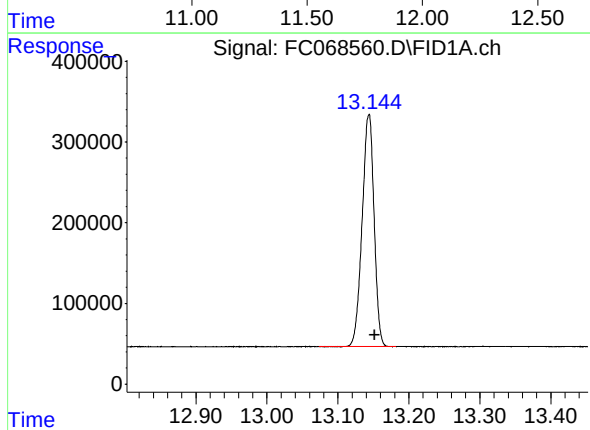




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.719 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB167513BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.143 min
Delta R.T.: -0.008 min
Response: 3367296
Conc: 36.25 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068560.D
 Signal(s) : FID1A.ch
 Acq On : 10 Apr 2025 21:36
 Sample : PB167513BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	13.143	13.074	13.182	BB	287294	3367296	100.00%	100.000%
Sum of corrected areas:						3367296		

Aliphatic EPH 040925.M Fri Apr 11 04:48:01 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049269.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 14:48
 Operator : YP/AJ
 Sample : PB167513BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB167513BL

Integration File: autoint1.e
 Quant Time: Apr 11 01:02:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 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...	7.750	7195070	48.572 ug/ml
Spiked Amount 50.000		Recovery =	97.14%
6) S 2-Fluorobiphenyl (SURR)	8.616	4667252	45.756 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	91.51%
11) S ortho-Terphenyl (SURR)	11.658	7315586	41.523 ug/ml
Spiked Amount 50.000		Recovery =	83.05%

Target Compounds

(f)=RT Delta > 1/2 Window

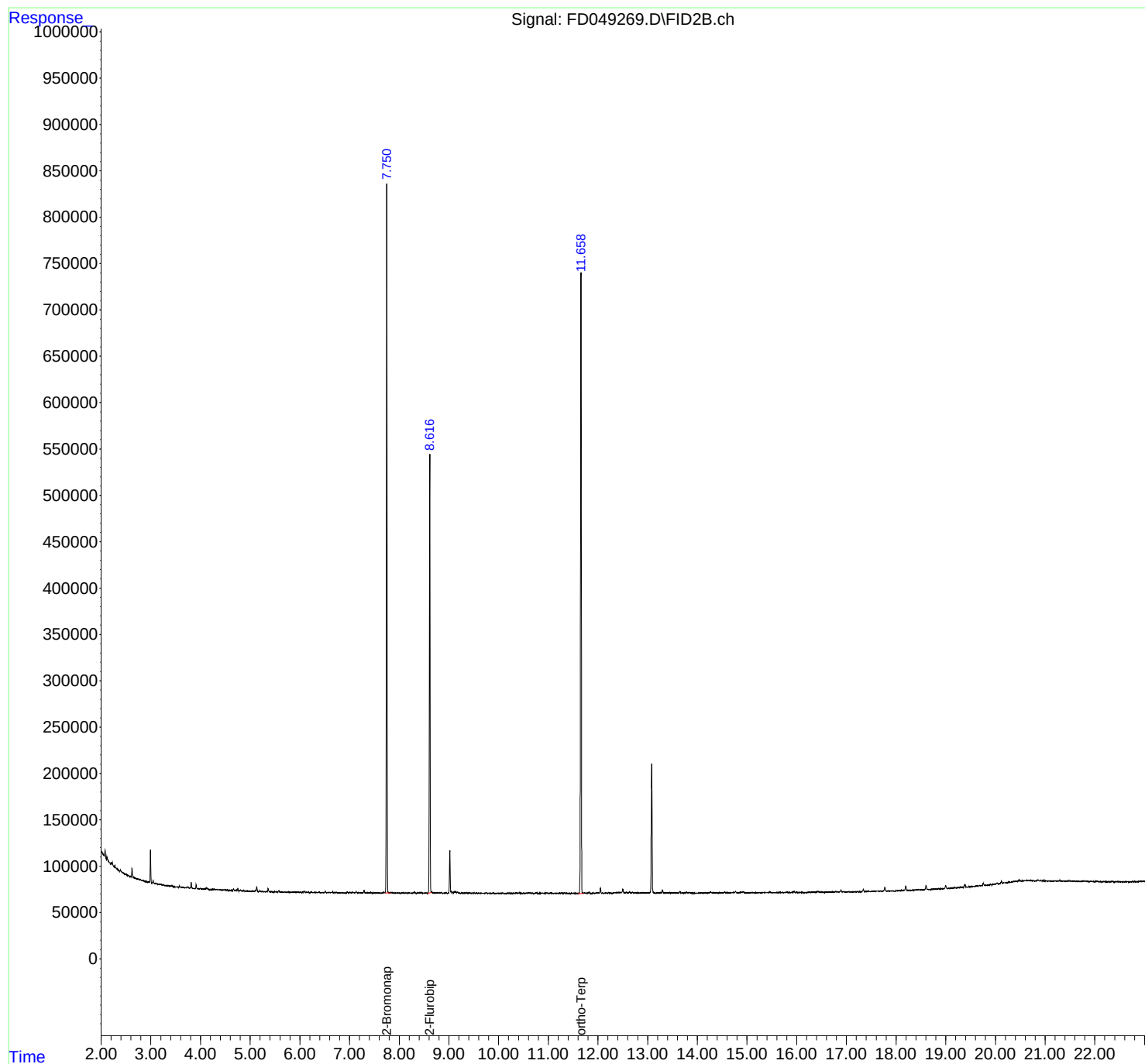
(m)=manual int.

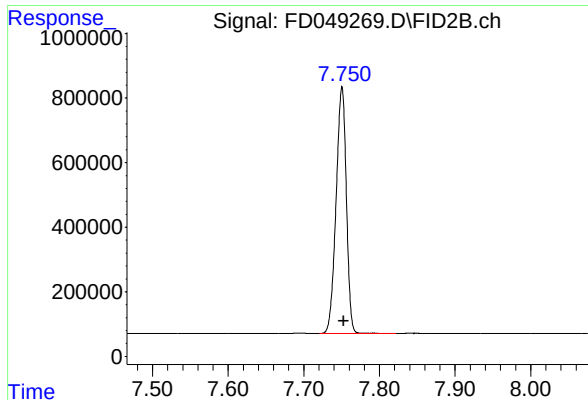
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
Data File : FD049269.D
Signal(s) : FID2B.ch
Acq On : 10 Apr 2025 14:48
Operator : YP/AJ
Sample : PB167513BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB167513BL

Integration File: autoint1.e
Quant Time: Apr 11 01:02:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

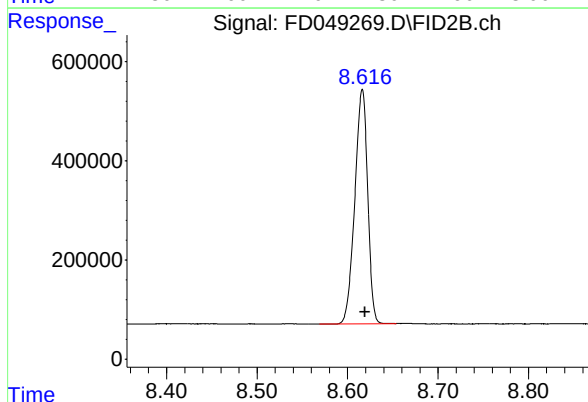




#4 2-Bromonaphthalene (SURR)

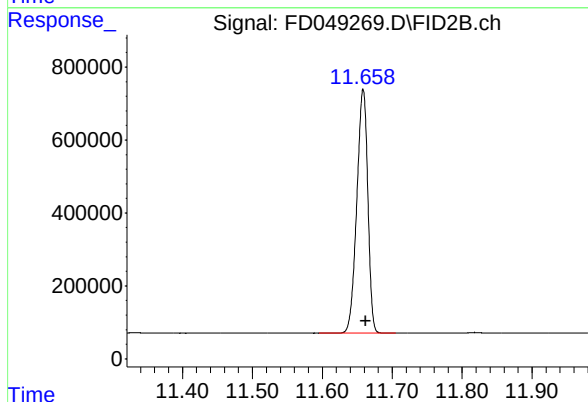
R.T.: 7.750 min
Delta R.T.: -0.002 min
Response: 7195070
Conc: 48.57 ug/ml

Instrument :
FID_D
ClientSampleId :
PB167513BL



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.616 min
Delta R.T.: -0.003 min
Response: 4667252
Conc: 45.76 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.658 min
Delta R.T.: -0.004 min
Response: 7315586
Conc: 41.52 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
Data File : FD049269.D
Signal(s) : FID2B.ch
Acq On : 10 Apr 2025 14:48
Sample : PB167513BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.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	7.751	7.720	7.822	BB	763333	7195070	98.35%	37.517%
2	8.616	8.569	8.654	BV	474139	4667252	63.80%	24.337%
3	11.658	11.595	11.705	BV	668880	7315586	100.00%	38.146%
Sum of corrected areas:							19177908	

Aromatic EPH 040725.M Fri Apr 11 01:33:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
Data File : FC068536.D
Signal(s) : FID1A.ch
Acq On : 09 Apr 2025 22:13
Operator : YP/AJ
Sample : PB167524BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167524BL

Integration File: autoint1.e
Quant Time: Apr 10 05:26:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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			
12) S 1-chlorooctadecane (S...	13.146	4416517	47.544 ug/ml
Spiked Amount	50.000	Recovery	= 95.09%

Target Compounds

(f)=RT Delta > 1/2 Window

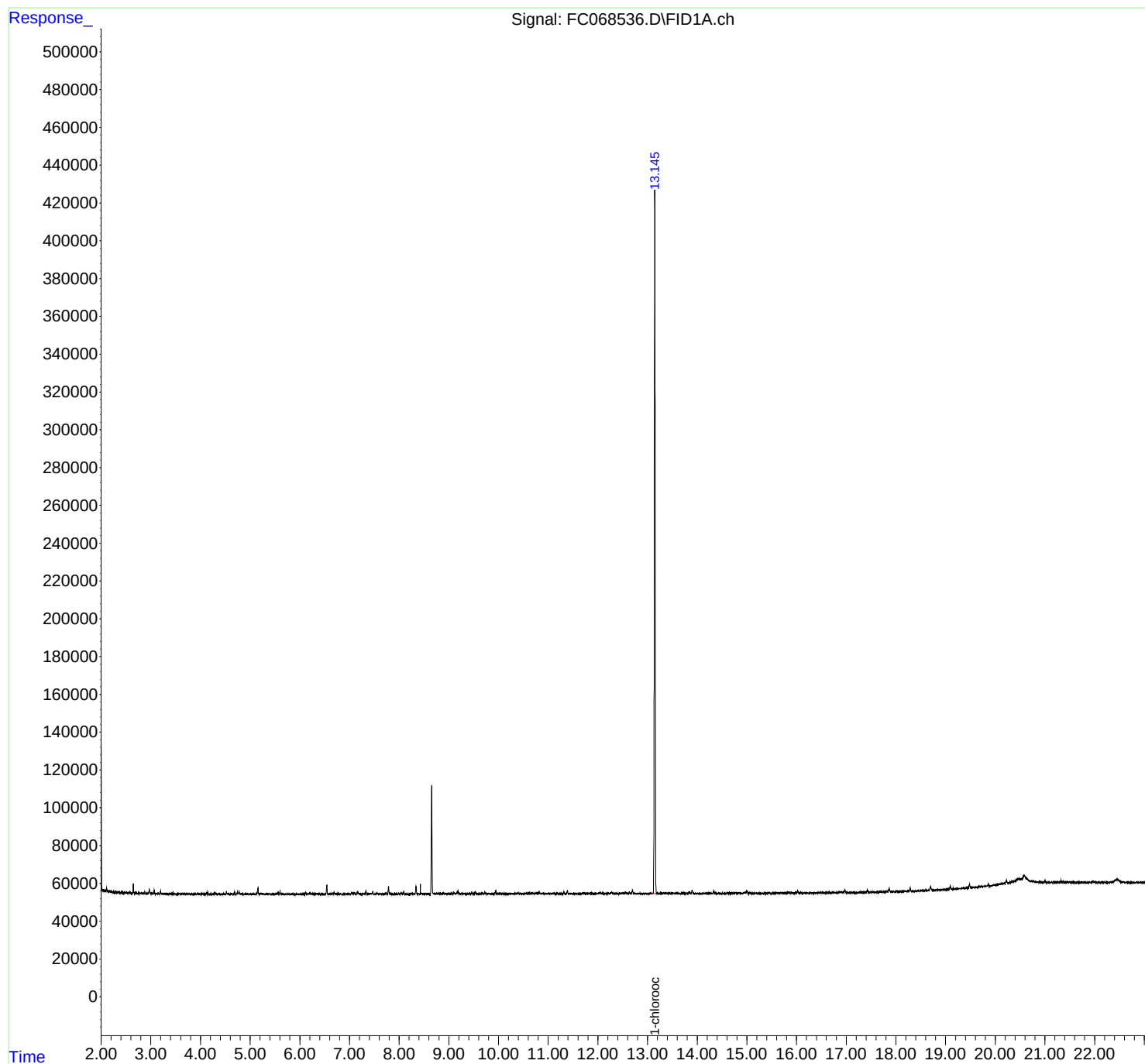
(m)=manual int.

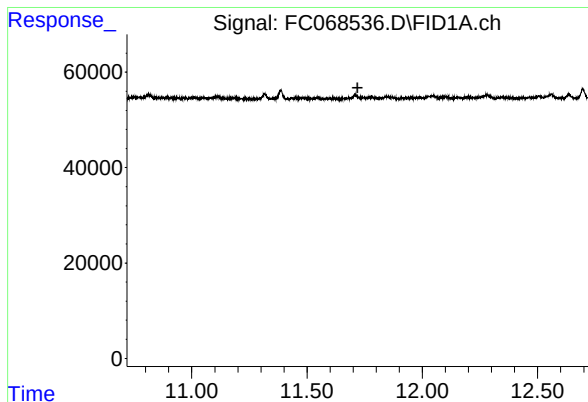
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
Data File : FC068536.D
Signal(s) : FID1A.ch
Acq On : 09 Apr 2025 22:13
Operator : YP/AJ
Sample : PB167524BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167524BL

Integration File: autoint1.e
Quant Time: Apr 10 05:26:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

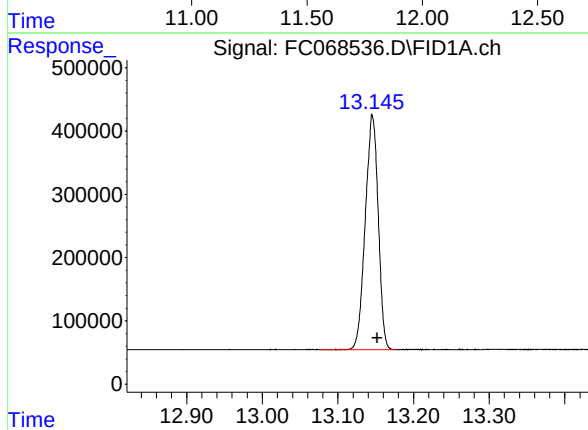




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.719 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB167524BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.146 min
Delta R.T.: -0.006 min
Response: 4416517
Conc: 47.54 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
 Data File : FC068536.D
 Signal(s) : FID1A.ch
 Acq On : 09 Apr 2025 22:13
 Sample : PB167524BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	13.146	13.075	13.177	BB	371784	4416517	100.00%	100.000%
Sum of corrected areas:						4416517		

Aliphatic EPH 040925.M Thu Apr 10 06:03:01 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040925AR\
 Data File : FD049258.D
 Signal(s) : FID2B.ch
 Acq On : 09 Apr 2025 16:38
 Operator : YP/AJ
 Sample : PB167524BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB167524BL

Integration File: autoint1.e
 Quant Time: Apr 10 02:08:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 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...	7.751	6250580	42.196 ug/ml
Spiked Amount 50.000		Recovery =	84.39%
6) S 2-Fluorobiphenyl (SURR)	8.616	3649949	35.783 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	71.57%
11) S ortho-Terphenyl (SURR)	11.660	6658414	37.793 ug/ml
Spiked Amount 50.000		Recovery =	75.59%

Target Compounds

(f)=RT Delta > 1/2 Window

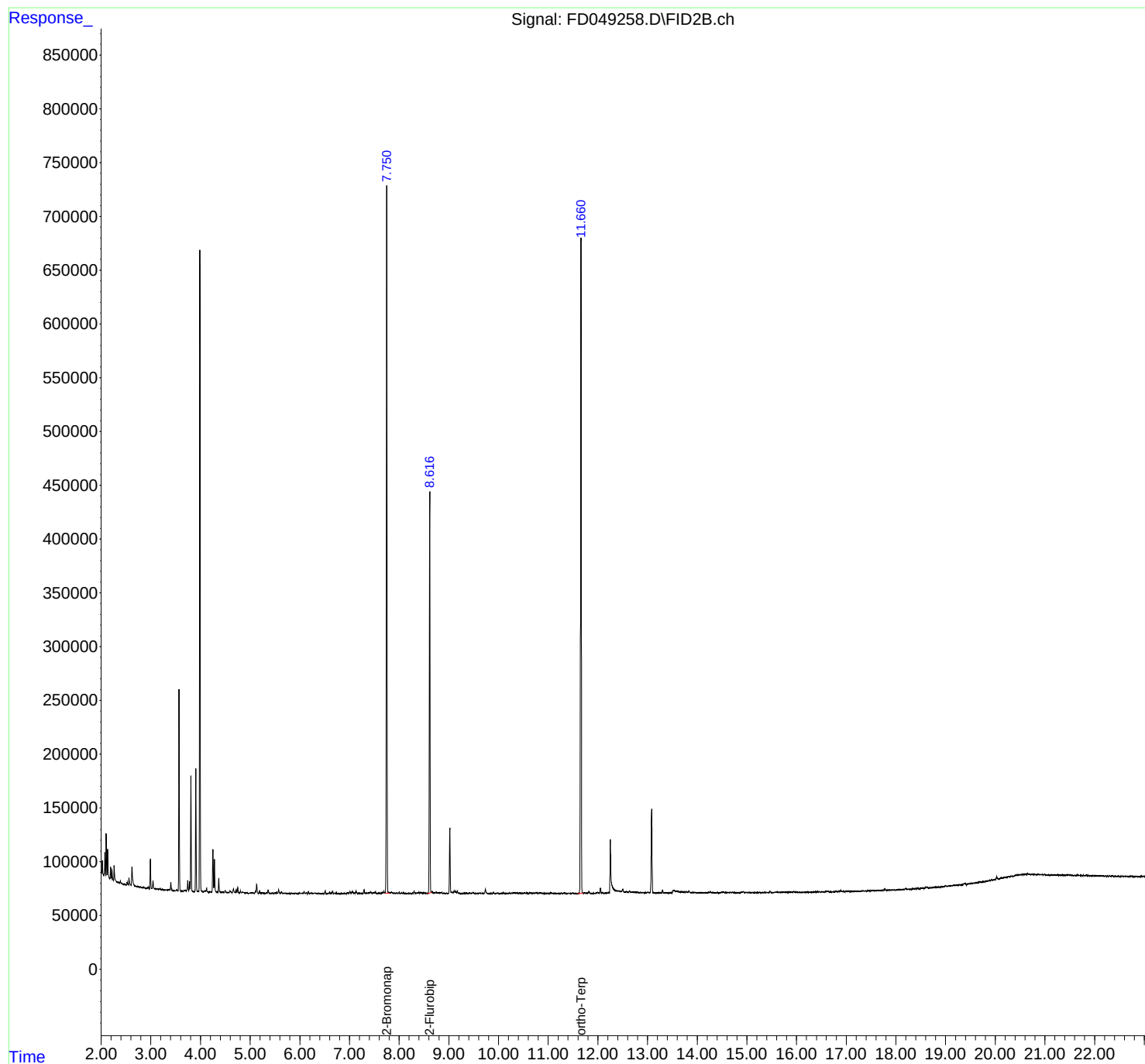
(m)=manual int.

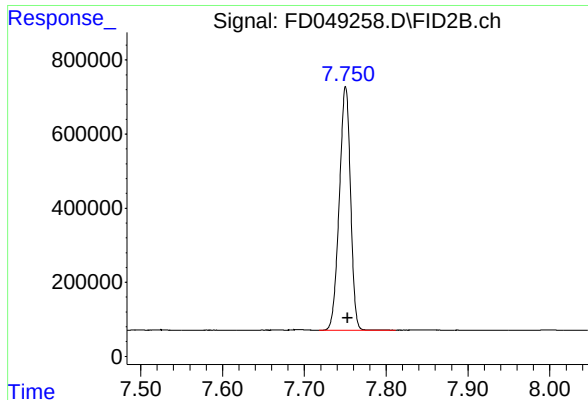
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040925AR\
Data File : FD049258.D
Signal(s) : FID2B.ch
Acq On : 09 Apr 2025 16:38
Operator : YP/AJ
Sample : PB167524BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB167524BL

Integration File: autoint1.e
Quant Time: Apr 10 02:08:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

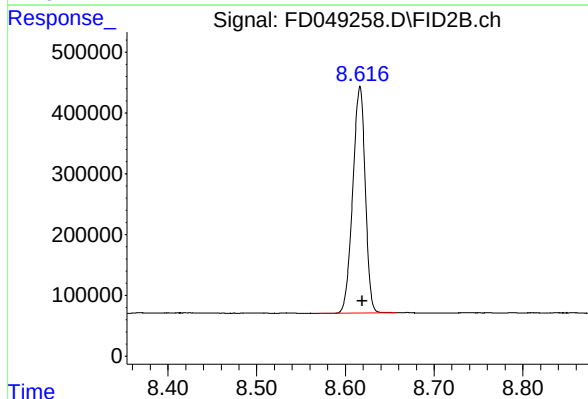




#4 2-Bromonaphthalene (SURR)

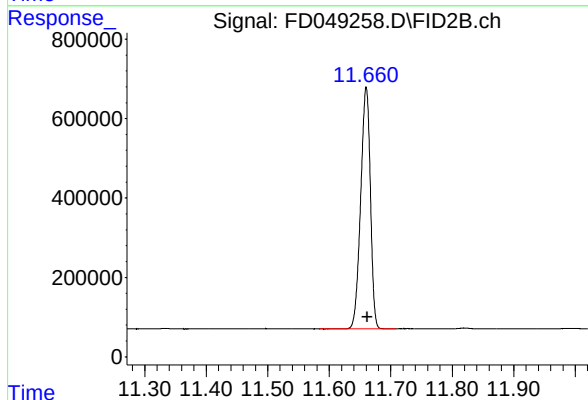
R.T.: 7.751 min
Delta R.T.: -0.002 min
Response: 6250580
Conc: 42.20 ug/ml

Instrument :
FID_D
ClientSampleId :
PB167524BL



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.616 min
Delta R.T.: -0.003 min
Response: 3649949
Conc: 35.78 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.660 min
Delta R.T.: -0.002 min
Response: 6658414
Conc: 37.79 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040925AR\
Data File : FD049258.D
Signal(s) : FID2B.ch
Acq On : 09 Apr 2025 16:38
Sample : PB167524BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.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	7.751	7.718	7.812	PB	658845	6250580	93.87%	37.747%
2	8.616	8.570	8.657	BV	374336	3649949	54.82%	22.042%
3	11.660	11.584	11.709	BV	609370	6658414	100.00%	40.210%
Sum of corrected areas:							16558943	

Aromatic EPH 040725.M Thu Apr 10 02:30:01 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068561.D
 Signal(s) : FID1A.ch
 Acq On : 10 Apr 2025 22:14
 Operator : YP/AJ
 Sample : PB167513BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB167513BS

Integration File: autoint1.e
 Quant Time: Apr 11 03:46:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 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			
12) S 1-chlorooctadecane (S...	13.144	3476251	37.422 ug/ml
Spiked Amount 50.000		Recovery =	74.84%
Target Compounds			
1) T n-Nonane (C9)	3.444	2511662	23.847 ug/ml
2) T n-Decane (C10)	4.519	3059850	29.042 ug/ml
4) T n-Dodecane (C12)	6.544	3470882	33.005 ug/ml
6) T n-Tetradecane (C14)	8.342	3939789	38.323 ug/ml
7) T n-Hexadecane (C16)	9.945	4399158	43.196 ug/ml
8) T n-Octadecane (C18)	11.388	4700659	46.711 ug/ml
10) T n-Eicosane (C20)	12.699	4936821	50.191 ug/ml
11) T n-Heneicosane (C21)	13.312	4753071	48.771 ug/ml
13) T n-Docosane (C22)	13.898	4760902	49.287 ug/ml
14) T n-Tetracosane (C24)	15.002	4703534	49.415 ug/ml
15) T n-Hexacosane (C26)	16.024	4586371	49.102 ug/ml
16) T n-Octacosane (C28)	16.976	4532861	49.508 ug/ml
17) T n-Tricontane (C30)	17.864	4546284	49.453 ug/ml
18) T n-Dotriacontane (C32)	18.699	4463677	48.662 ug/ml
19) T n-Tetratriacontane (C34)	19.482	4363368	48.840 ug/ml
20) T n-Hexatriacontane (C36)	20.224	4179719	46.660 ug/ml
21) T n-Octatriacontane (C38)	20.999	4119074	46.589 ug/ml
22) T n-Tetracontane (C40)	21.974	4084312	46.252 ug/ml

(f)=RT Delta > 1/2 Window

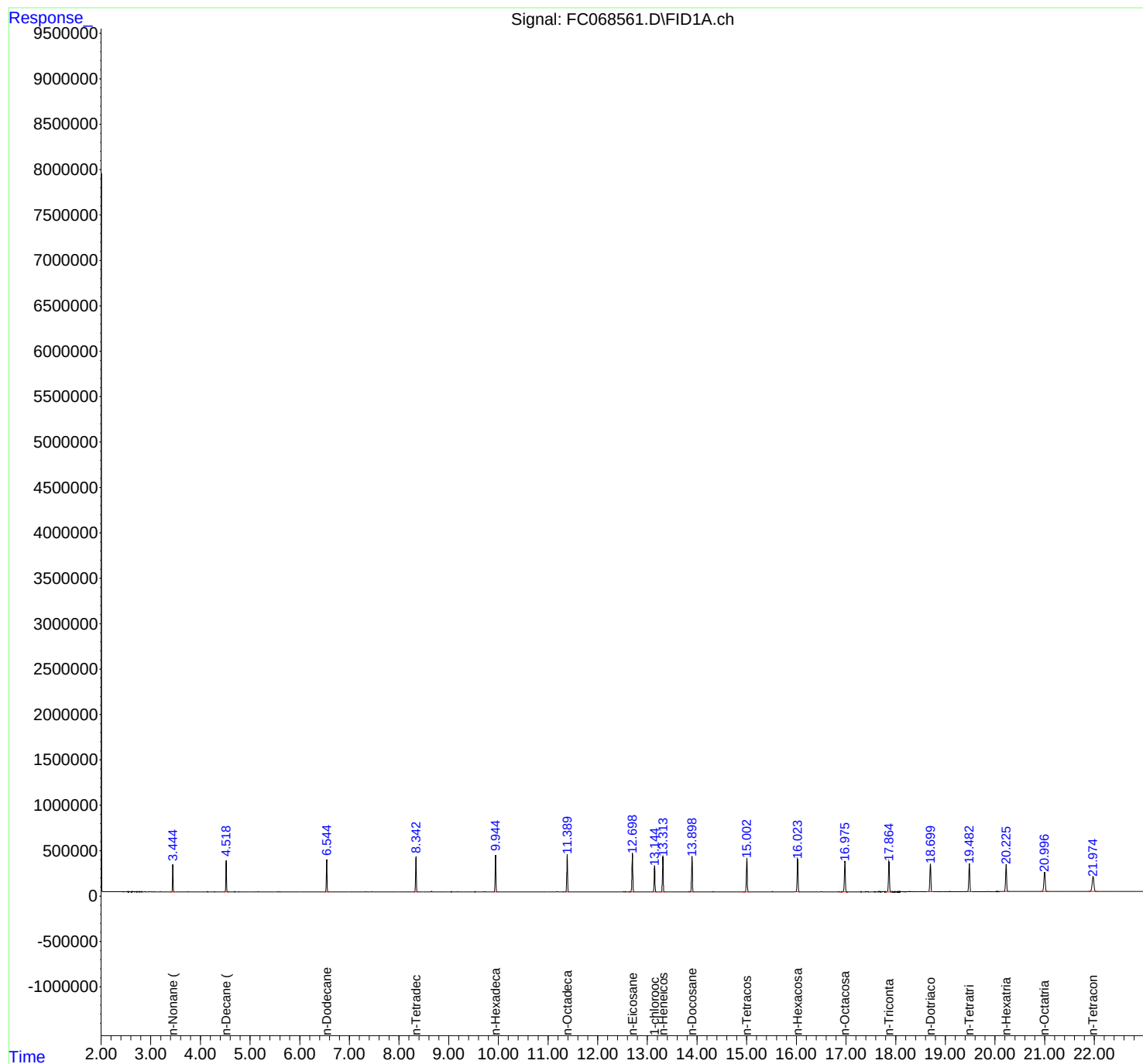
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068561.D
Signal(s) : FID1A.ch
Acq On : 10 Apr 2025 22:14
Operator : YP/AJ
Sample : PB167513BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167513BS

Integration File: autoint1.e
Quant Time: Apr 11 03:46:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068561.D
 Signal(s) : FID1A.ch
 Acq On : 10 Apr 2025 22:14
 Sample : PB167513BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	3.444	3.394	3.489	BB	301119	2511662	50.88%	3.156%
2	4.519	4.465	4.554	BV	345587	3059850	61.98%	3.845%
3	6.544	6.490	6.590	BB	357527	3470882	70.31%	4.361%
4	8.342	8.282	8.389	BB	385247	3939789	79.80%	4.950%
5	9.945	9.895	9.999	BB	406440	4399158	89.11%	5.527%
6	11.388	11.344	11.422	BB	412854	4700659	95.22%	5.906%
7	12.699	12.655	12.750	PB	426124	4936821	100.00%	6.203%
8	13.144	13.087	13.197	BB	286891	3476251	70.41%	4.368%
9	13.312	13.250	13.347	BB	388951	4753071	96.28%	5.972%
10	13.898	13.860	13.945	VB	391043	4760902	96.44%	5.982%
11	15.002	14.907	15.054	BB	373498	4703534	95.27%	5.910%
12	16.024	15.990	16.075	BB	364156	4586371	92.90%	5.763%
13	16.976	16.885	17.050	BB	333913	4532861	91.82%	5.695%
14	17.864	17.797	17.924	BB	332447	4546284	92.09%	5.712%
15	18.699	18.629	18.757	BB	306772	4463677	90.42%	5.608%
16	19.482	19.440	19.539	BB	309022	4363368	88.38%	5.482%
17	20.224	20.180	20.275	BB	292884	4179719	84.66%	5.252%
18	20.999	20.917	21.077	BB	210569	4119074	83.44%	5.175%
19	21.974	21.872	22.070	BB	163394	4084312	82.73%	5.132%
Sum of corrected areas:						79588246		

Aliphatic EPH 040925.M Fri Apr 11 04:48:26 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049270.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 15:25
 Operator : YP/AJ
 Sample : PB167513BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB167513BS

Integration File: autoint1.e
 Quant Time: Apr 11 01:03:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 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...	7.751	7104793	47.962 ug/ml
Spiked Amount 50.000		Recovery =	95.92%
6) S 2-Fluorobiphenyl (SURR)	8.617	4968091	48.705 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	97.41%
11) S ortho-Terphenyl (SURR)	11.658	7270035	41.264 ug/ml
Spiked Amount 50.000		Recovery =	82.53%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.543	4533934	30.257 ug/ml
2) T Naphthalene (C11.7)	6.087	5252434	32.079 ug/ml
3) T 2-Methylnaphthalene (...)	7.140	5132521	31.731 ug/ml
5) T Acenaphthylene (C15.06)	8.420	6241909	35.337 ug/ml
7) T Acenaphthene (C15.5)	8.716	6641631	38.550 ug/ml
8) T Fluorene (C16.55)	9.497	6963247	39.931 ug/ml
9) T Phenanthrene (C19.36)	10.896	7511361	43.769 ug/ml
10) T Anthracene (C19.43)	10.971	7462992	47.506 ug/ml
12) T Fluoranthene (C21.85)	12.710	7880228	46.621 ug/ml
13) T Pyrene (C20.8)	13.009	7922597	47.238 ug/ml
14) T Benzo[a]anthracene (C...	14.878	7268586	50.566 ug/ml
15) T Chrysene (C27.41)	14.923	7766084	53.821 ug/ml
16) T benzo[b]fluoranthene ...	16.429	6964167	50.058 ug/ml
17) T Bnezo[k]fluoranthene ...	16.465	6921495	50.608 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.810	6658431	51.205 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.176	6939023	56.288 ug/ml
20) T Dibenz[a,h]anthracene...	18.214	6406338	50.664 ug/ml
21) T Benzo[g,h,i]perylene ...	18.434	6532365	50.038 ug/ml

(f)=RT Delta > 1/2 Window

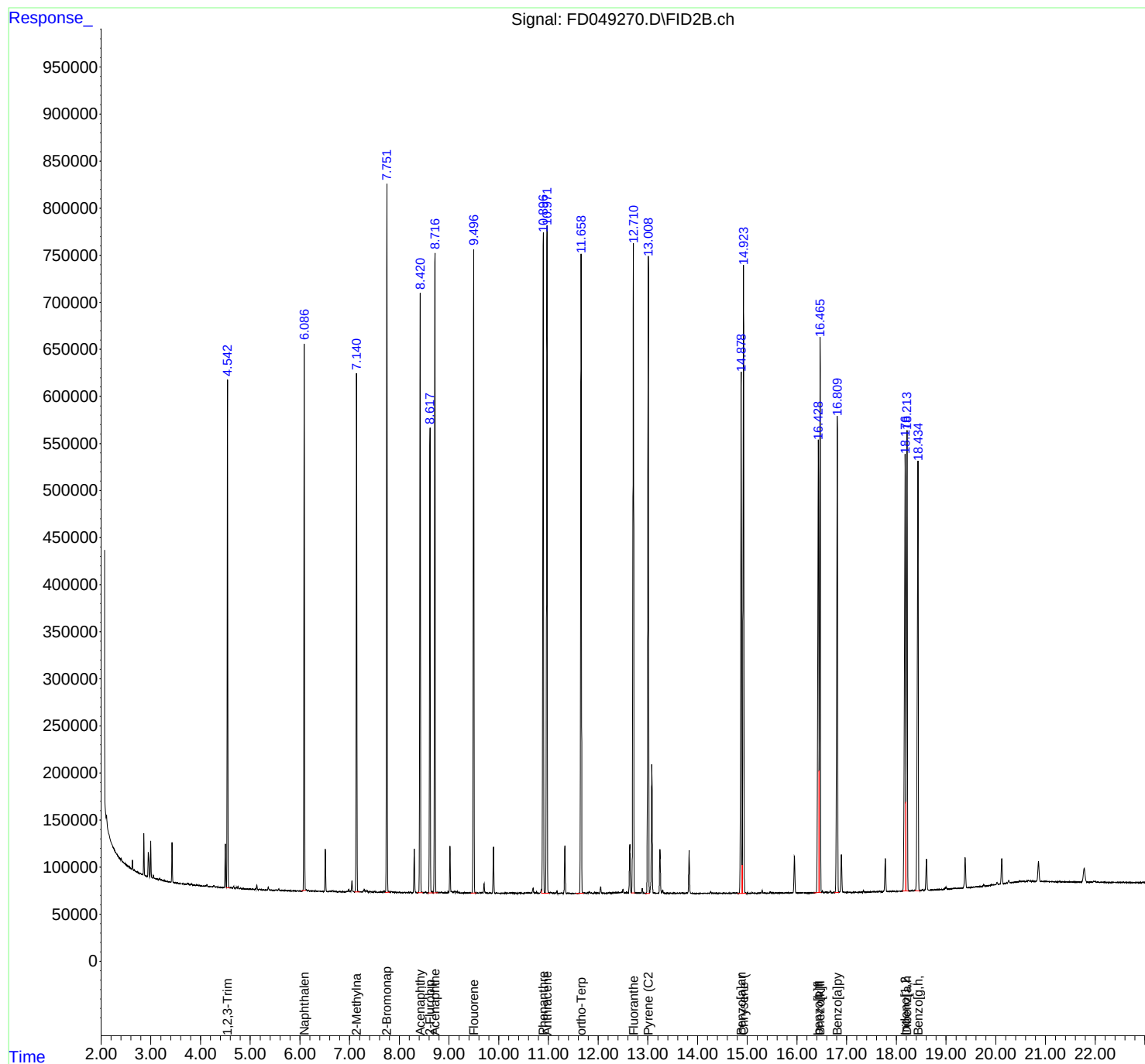
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
Data File : FD049270.D
Signal(s) : FID2B.ch
Acq On : 10 Apr 2025 15:25
Operator : YP/AJ
Sample : PB167513BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB167513BS

Integration File: autoint1.e
Quant Time: Apr 11 01:03:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049270.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 15:25
 Sample : PB167513BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.543	4.520	4.587	VB	538988	4533934	57.23%	3.231%
2	6.087	6.035	6.118	BV	580691	5252434	66.30%	3.743%
3	7.140	7.100	7.202	BV	550996	5132521	64.78%	3.657%
4	7.751	7.720	7.812	BB	752552	7104793	89.68%	5.062%
5	8.420	8.354	8.474	BB	638411	6241909	78.79%	4.448%
6	8.617	8.570	8.660	BV	493427	4968091	62.71%	3.540%
7	8.716	8.685	8.779	VB	679198	6641631	83.83%	4.732%
8	9.497	9.435	9.554	BB	683945	6963247	87.89%	4.962%
9	10.896	10.865	10.935	VV	700351	7511361	94.81%	5.352%
10	10.971	10.935	11.020	VV	711104	7462992	94.20%	5.318%
11	11.658	11.544	11.705	BB	678299	7270035	91.76%	5.180%
12	12.710	12.669	12.737	VB	691584	7880228	99.47%	5.615%
13	13.009	12.945	13.034	BV	676474	7922597	100.00%	5.645%
14	14.878	14.805	14.897	BV	551805	7268586	91.75%	5.179%
15	14.923	14.897	14.984	VB	668372	7766084	98.02%	5.534%
16	16.429	16.335	16.444	BV	481095	6964167	87.90%	4.962%
17	16.465	16.444	16.490	VV	590760	6921495	87.36%	4.932%
18	16.810	16.750	16.841	BV	505267	6658431	84.04%	4.744%
19	18.176	18.110	18.190	BV	463013	6939023	87.59%	4.944%
20	18.214	18.190	18.255	VB	489678	6406338	80.86%	4.565%
21	18.434	18.370	18.474	BV	456444	6532365	82.45%	4.655%
Sum of corrected areas:						140342260		

Aromatic EPH 040725.M Fri Apr 11 01:34:36 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040925AR\
 Data File : FD049259.D
 Signal(s) : FID2B.ch
 Acq On : 09 Apr 2025 17:16
 Operator : YP/AJ
 Sample : PB167524BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB167524BS

Integration File: autoint1.e
 Quant Time: Apr 10 02:08:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 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...	7.751	6325577	42.702 ug/ml
Spiked Amount 50.000		Recovery =	85.40%
6) S 2-Fluorobiphenyl (SURR)	8.617	3899282	38.227 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	76.45%
11) S ortho-Terphenyl (SURR)	11.659	6555588	37.209 ug/ml
Spiked Amount 50.000		Recovery =	74.42%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.540	3900743	26.031 ug/ml
2) T Naphthalene (C11.7)	6.086	4617966	28.204 ug/ml
3) T 2-Methylnaphthalene (...)	7.140	4545577	28.102 ug/ml
5) T Acenaphthylene (C15.06)	8.420	5524901	31.278 ug/ml
7) T Acenaphthene (C15.5)	8.716	5568224	32.320 ug/ml
8) T Fluorene (C16.55)	9.497	6060979	34.757 ug/ml
9) T Phenanthrene (C19.36)	10.896	6531297	38.058 ug/ml
10) T Anthracene (C19.43)	10.971	6278500	39.966 ug/ml
12) T Fluoranthene (C21.85)	12.710	6897734	40.808 ug/ml
13) T Pyrene (C20.8)	13.008	6777341	40.410 ug/ml
14) T Benzo[a]anthracene (C...	14.877	6384772	44.417 ug/ml
15) T Chrysene (C27.41)	14.923	6910808	47.894 ug/ml
16) T benzo[b]fluoranthene ...	16.429	6243606	44.879 ug/ml
17) T Bnezo[k]fluoranthene ...	16.464	6170511	45.117 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.809	5727228	44.044 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.176	6131889	49.741 ug/ml
20) T Dibenz[a,h]anthracene...	18.214	5666848	44.816 ug/ml
21) T Benzo[g,h,i]perylene ...	18.433	5800633	44.433 ug/ml

(f)=RT Delta > 1/2 Window

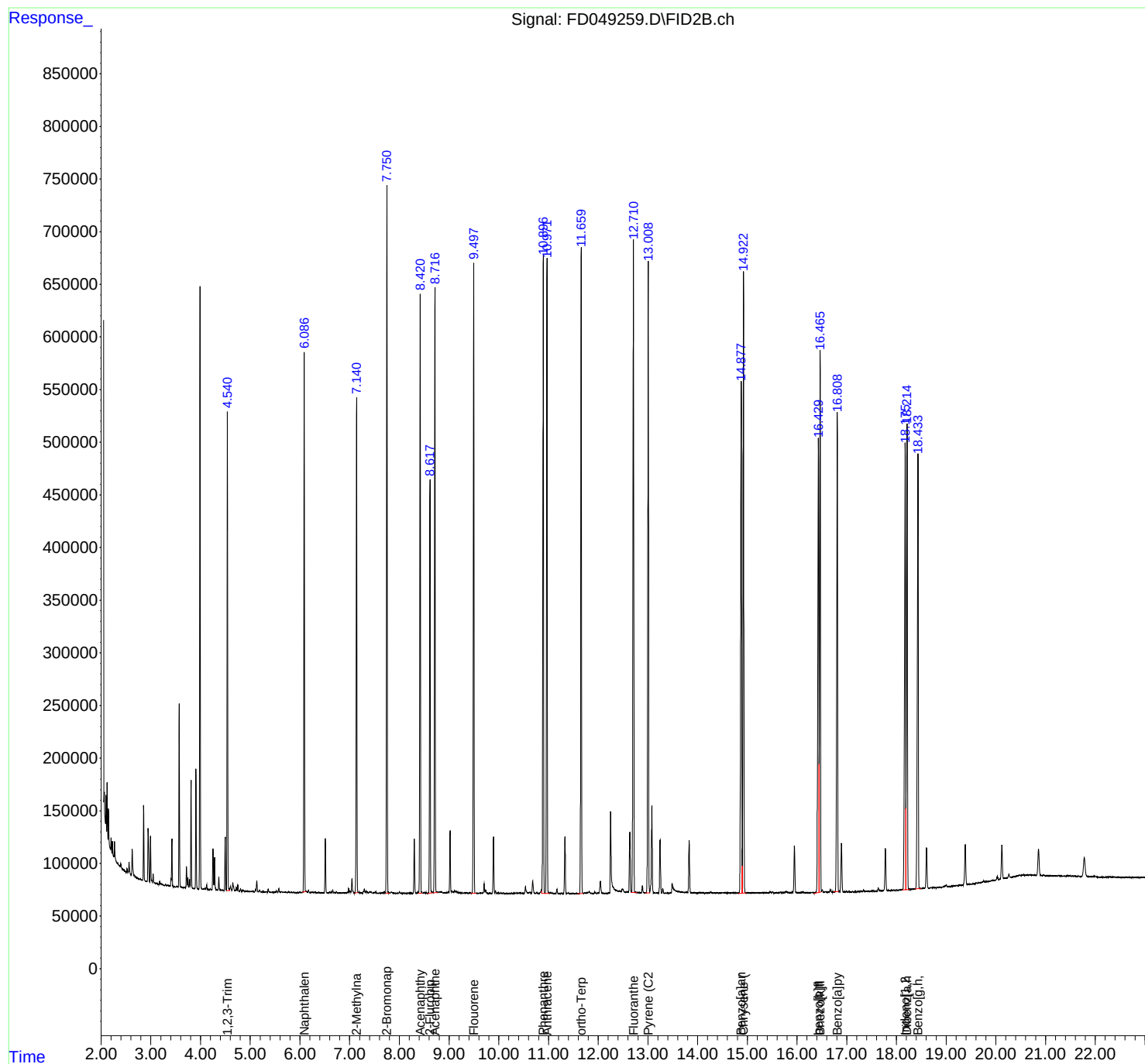
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040925AR\
Data File : FD049259.D
Signal(s) : FID2B.ch
Acq On : 09 Apr 2025 17:16
Operator : YP/AJ
Sample : PB167524BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB167524BS

Integration File: autoint1.e
Quant Time: Apr 10 02:08:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040925AR\
 Data File : FD049259.D
 Signal(s) : FID2B.ch
 Acq On : 09 Apr 2025 17:16
 Sample : PB167524BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.540	4.518	4.583	VV	454396	3900743	56.44%	3.184%
2	6.086	6.047	6.118	BV	511570	4617966	66.82%	3.769%
3	7.140	7.099	7.172	PV	470468	4545577	65.77%	3.710%
4	7.751	7.720	7.804	PV	672212	6325577	91.53%	5.163%
5	8.420	8.382	8.470	VB	568816	5524901	79.95%	4.509%
6	8.617	8.570	8.659	BV	392992	3899282	56.42%	3.183%
7	8.716	8.685	8.772	VV	574817	5568224	80.57%	4.545%
8	9.497	9.439	9.547	BB	599128	6060979	87.70%	4.947%
9	10.896	10.865	10.930	VV	606306	6531297	94.51%	5.331%
10	10.971	10.930	11.024	VV	602010	6278500	90.85%	5.124%
11	11.659	11.582	11.700	BV	613880	6555588	94.86%	5.351%
12	12.710	12.669	12.777	VB	619526	6897734	99.81%	5.630%
13	13.008	12.947	13.035	BV	600197	6777341	98.07%	5.532%
14	14.877	14.824	14.897	BV	485588	6384772	92.39%	5.211%
15	14.923	14.897	14.984	VB	590443	6910808	100.00%	5.641%
16	16.429	16.342	16.444	PV	430660	6243606	90.35%	5.096%
17	16.464	16.444	16.489	VV	514314	6170511	89.29%	5.036%
18	16.809	16.739	16.839	BV	454828	5727228	82.87%	4.675%
19	18.176	18.110	18.190	BV	424836	6131889	88.73%	5.005%
20	18.214	18.190	18.269	VV	441914	5666848	82.00%	4.625%
21	18.433	18.370	18.487	BB	413768	5800633	83.94%	4.734%
Sum of corrected areas:						122520001		

Aromatic EPH 040725.M Thu Apr 10 02:31:57 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
 Data File : FC068537.D
 Signal(s) : FID1A.ch
 Acq On : 09 Apr 2025 22:50
 Operator : YP/AJ
 Sample : PB167524BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB167524BS

Integration File: autoint1.e
 Quant Time: Apr 10 05:26:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 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			
12) S 1-chlorooctadecane (S...	13.148	3639687	39.181 ug/ml
Spiked Amount 50.000		Recovery =	78.36%
Target Compounds			
1) T n-Nonane (C9)	3.446	2422879	23.004 ug/ml
2) T n-Decane (C10)	4.522	2961495	28.108 ug/ml
4) T n-Dodecane (C12)	6.547	3348754	31.843 ug/ml
6) T n-Tetradecane (C14)	8.345	3596865	34.988 ug/ml
7) T n-Hexadecane (C16)	9.948	3960589	38.890 ug/ml
8) T n-Octadecane (C18)	11.391	4168338	41.421 ug/ml
10) T n-Eicosane (C20)	12.702	4332522	44.048 ug/ml
11) T n-Heneicosane (C21)	13.315	4162604	42.712 ug/ml
13) T n-Docosane (C22)	13.901	4133922	42.796 ug/ml
14) T n-Tetracosane (C24)	15.006	4128067	43.369 ug/ml
15) T n-Hexacosane (C26)	16.028	4006546	42.895 ug/ml
16) T n-Octacosane (C28)	16.980	3957869	43.228 ug/ml
17) T n-Tricontane (C30)	17.868	4007079	43.587 ug/ml
18) T n-Dotriacontane (C32)	18.702	3969405	43.273 ug/ml
19) T n-Tetratriacontane (C34)	19.487	3944299	44.150 ug/ml
20) T n-Hexatriacontane (C36)	20.228	3842934	42.900 ug/ml
21) T n-Octatriacontane (C38)	21.005	3840578	43.439 ug/ml
22) T n-Tetracontane (C40)	21.985	3709731	42.010 ug/ml

(f)=RT Delta > 1/2 Window

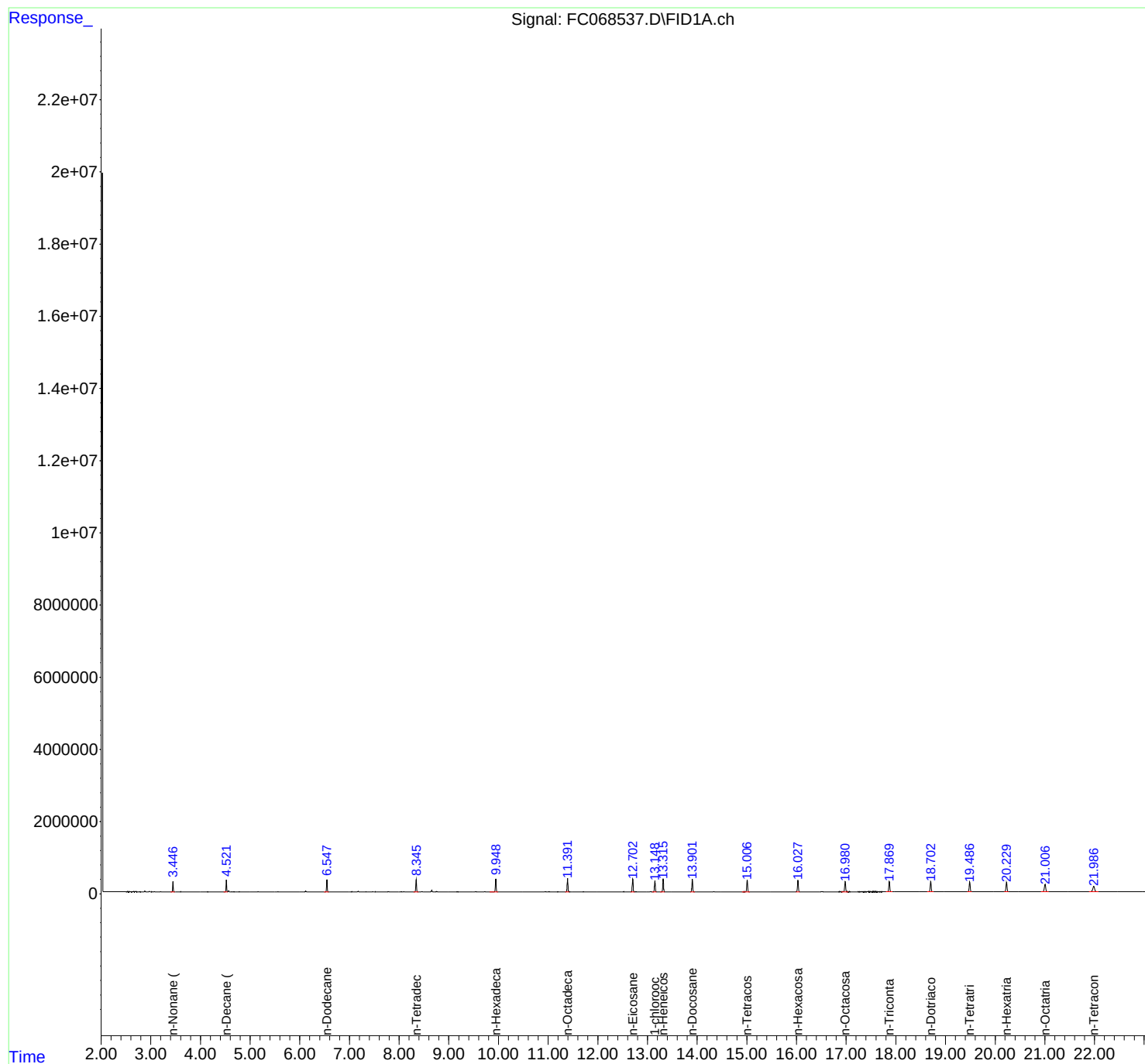
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
Data File : FC068537.D
Signal(s) : FID1A.ch
Acq On : 09 Apr 2025 22:50
Operator : YP/AJ
Sample : PB167524BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167524BS

Integration File: autoint1.e
Quant Time: Apr 10 05:26:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
 Data File : FC068537.D
 Signal(s) : FID1A.ch
 Acq On : 09 Apr 2025 22:50
 Sample : PB167524BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	3.446	3.397	3.483	BB	295419	2422879	55.92%	3.359%
2	4.522	4.463	4.547	BV	332999	2961495	68.35%	4.106%
3	6.547	6.487	6.582	BB	343856	3348754	77.29%	4.642%
4	8.345	8.287	8.387	BB	339632	3596865	83.02%	4.986%
5	9.948	9.822	9.988	BB	360942	3960589	91.42%	5.491%
6	11.391	11.345	11.425	BB	366156	4168338	96.21%	5.779%
7	12.702	12.660	12.742	PV	357853	4332522	100.00%	6.006%
8	13.148	13.095	13.182	BB	309428	3639687	84.01%	5.046%
9	13.315	13.255	13.347	BB	352748	4162604	96.08%	5.771%
10	13.901	13.864	13.953	VB	348819	4133922	95.42%	5.731%
11	15.006	14.902	15.060	BB	331742	4128067	95.28%	5.723%
12	16.028	15.990	16.065	BB	321761	4006546	92.48%	5.554%
13	16.980	16.902	17.043	BB	286626	3957869	91.35%	5.487%
14	17.868	17.800	17.930	BB	285772	4007079	92.49%	5.555%
15	18.702	18.628	18.758	BB	284553	3969405	91.62%	5.503%
16	19.487	19.440	19.530	BB	274345	3944299	91.04%	5.468%
17	20.228	20.180	20.268	BB	254682	3842934	88.70%	5.327%
18	21.005	20.918	21.075	BB	203855	3840578	88.65%	5.324%
19	21.985	21.890	22.082	BB	151929	3709731	85.63%	5.143%
Sum of corrected areas:							72134161	

Aliphatic EPH 040925.M Thu Apr 10 06:03:40 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049271.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 16:01
 Operator : YP/AJ
 Sample : PB167513BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB167513BSD

Integration File: autoint1.e
 Quant Time: Apr 11 01:03:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 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

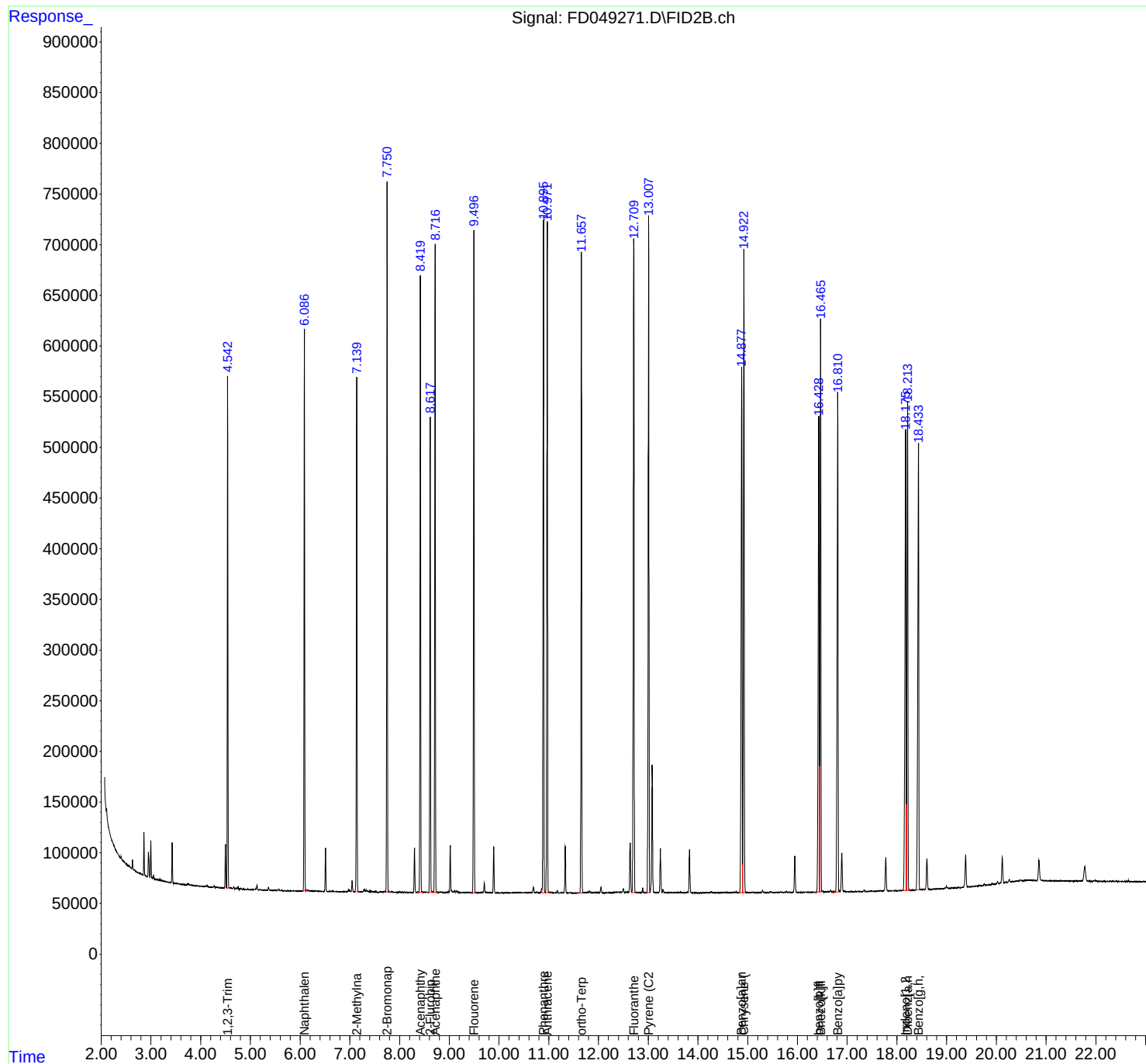
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.750	6686285	45.137 ug/ml
Spiked Amount 50.000		Recovery =	90.27%
6) S 2-Fluorobiphenyl (SURR)	8.617	4699720	46.074 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	92.15%
11) S ortho-Terphenyl (SURR)	11.657	6796630	38.577 ug/ml
Spiked Amount 50.000		Recovery =	77.15%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.542	4288364	28.618 ug/ml
2) T Naphthalene (C11.7)	6.086	5013350	30.619 ug/ml
3) T 2-Methylnaphthalene (...)	7.140	4859873	30.045 ug/ml
5) T Acenaphthylene (C15.06)	8.419	5905050	33.430 ug/ml
7) T Acenaphthene (C15.5)	8.716	6283963	36.474 ug/ml
8) T Fluorene (C16.55)	9.496	6570594	37.680 ug/ml
9) T Phenanthrene (C19.36)	10.895	7099181	41.367 ug/ml
10) T Anthracene (C19.43)	10.971	7063026	44.960 ug/ml
12) T Fluoranthene (C21.85)	12.709	7454671	44.103 ug/ml
13) T Pyrene (C20.8)	13.008	7492447	44.673 ug/ml
14) T Benzo[a]anthracene (C...	14.877	6956927	48.398 ug/ml
15) T Chrysene (C27.41)	14.922	7407680	51.337 ug/ml
16) T benzo[b]fluoranthene ...	16.428	6715936	48.274 ug/ml
17) T Bnezo[k]fluoranthene ...	16.465	6664102	48.726 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.810	6444018	49.556 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.175	6738227	54.660 ug/ml
20) T Dibenz[a,h]anthracene...	18.214	6260702	49.513 ug/ml
21) T Benzo[g,h,i]perylene ...	18.433	6330050	48.488 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Instrument :
FID_D
ClientSampleId :
PB167513BSD

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049271.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 16:01
 Sample : PB167513BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.542	4.519	4.590	VB	504901	4288364	57.24%	3.207%
2	6.086	6.037	6.150	BB	555073	5013350	66.91%	3.749%
3	7.140	7.100	7.197	PB	508931	4859873	64.86%	3.634%
4	7.750	7.719	7.815	BB	700818	6686285	89.24%	5.000%
5	8.419	8.359	8.474	BV	607684	5905050	78.81%	4.416%
6	8.617	8.555	8.684	BV	469396	4699720	62.73%	3.514%
7	8.716	8.684	8.775	VB	640256	6283963	83.87%	4.699%
8	9.497	9.424	9.542	BB	655414	6570594	87.70%	4.913%
9	10.895	10.863	10.934	VV	664850	7099181	94.75%	5.309%
10	10.971	10.934	11.024	VV	660930	7063026	94.27%	5.282%
11	11.657	11.559	11.702	BV	629038	6796630	90.71%	5.082%
12	12.709	12.669	12.765	VB	645086	7454671	99.50%	5.574%
13	13.008	12.937	13.034	BV	666253	7492447	100.00%	5.603%
14	14.877	14.800	14.896	BV	519498	6956927	92.85%	5.202%
15	14.922	14.896	14.969	VB	634429	7407680	98.87%	5.539%
16	16.428	16.352	16.444	BV	468371	6715936	89.64%	5.022%
17	16.465	16.444	16.492	VV	566554	6664102	88.94%	4.983%
18	16.810	16.705	16.838	BV	494552	6444018	86.01%	4.819%
19	18.175	18.110	18.189	BV	454792	6738227	89.93%	5.039%
20	18.214	18.189	18.274	VB	482378	6260702	83.56%	4.682%
21	18.433	18.370	18.474	BB	441559	6330050	84.49%	4.733%
Sum of corrected areas:						133730796		

Aromatic EPH 040725.M Fri Apr 11 01:35:46 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068562.D
 Signal(s) : FID1A.ch
 Acq On : 10 Apr 2025 22:51
 Operator : YP/AJ
 Sample : PB167513BSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB167513BSD

Integration File: autoint1.e
 Quant Time: Apr 11 03:46:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 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			
12) S 1-chlorooctadecane (S...	13.144	3378740	36.372 ug/ml
Spiked Amount 50.000		Recovery =	72.74%
Target Compounds			
1) T n-Nonane (C9)	3.445	2590000	24.591 ug/ml
2) T n-Decane (C10)	4.520	3152325	29.920 ug/ml
4) T n-Dodecane (C12)	6.544	3557036	33.824 ug/ml
6) T n-Tetradecane (C14)	8.342	3996243	38.872 ug/ml
7) T n-Hexadecane (C16)	9.945	4433156	43.530 ug/ml
8) T n-Octadecane (C18)	11.388	4682520	46.531 ug/ml
10) T n-Eicosane (C20)	12.699	4879459	49.608 ug/ml
11) T n-Heneicosane (C21)	13.311	4681403	48.036 ug/ml
13) T n-Docosane (C22)	13.898	4675280	48.401 ug/ml
14) T n-Tetracosane (C24)	15.002	4605982	48.390 ug/ml
15) T n-Hexacosane (C26)	16.023	4493132	48.104 ug/ml
16) T n-Octacosane (C28)	16.975	4481288	48.945 ug/ml
17) T n-Tricontane (C30)	17.864	4533322	49.312 ug/ml
18) T n-Dotriacontane (C32)	18.698	4498769	49.044 ug/ml
19) T n-Tetratriacontane (C34)	19.483	4437893	49.675 ug/ml
20) T n-Hexatriacontane (C36)	20.224	4269087	47.657 ug/ml
21) T n-Octatriacontane (C38)	20.999	4217418	47.702 ug/ml
22) T n-Tetracontane (C40)	21.975	4186737	47.412 ug/ml

(f)=RT Delta > 1/2 Window

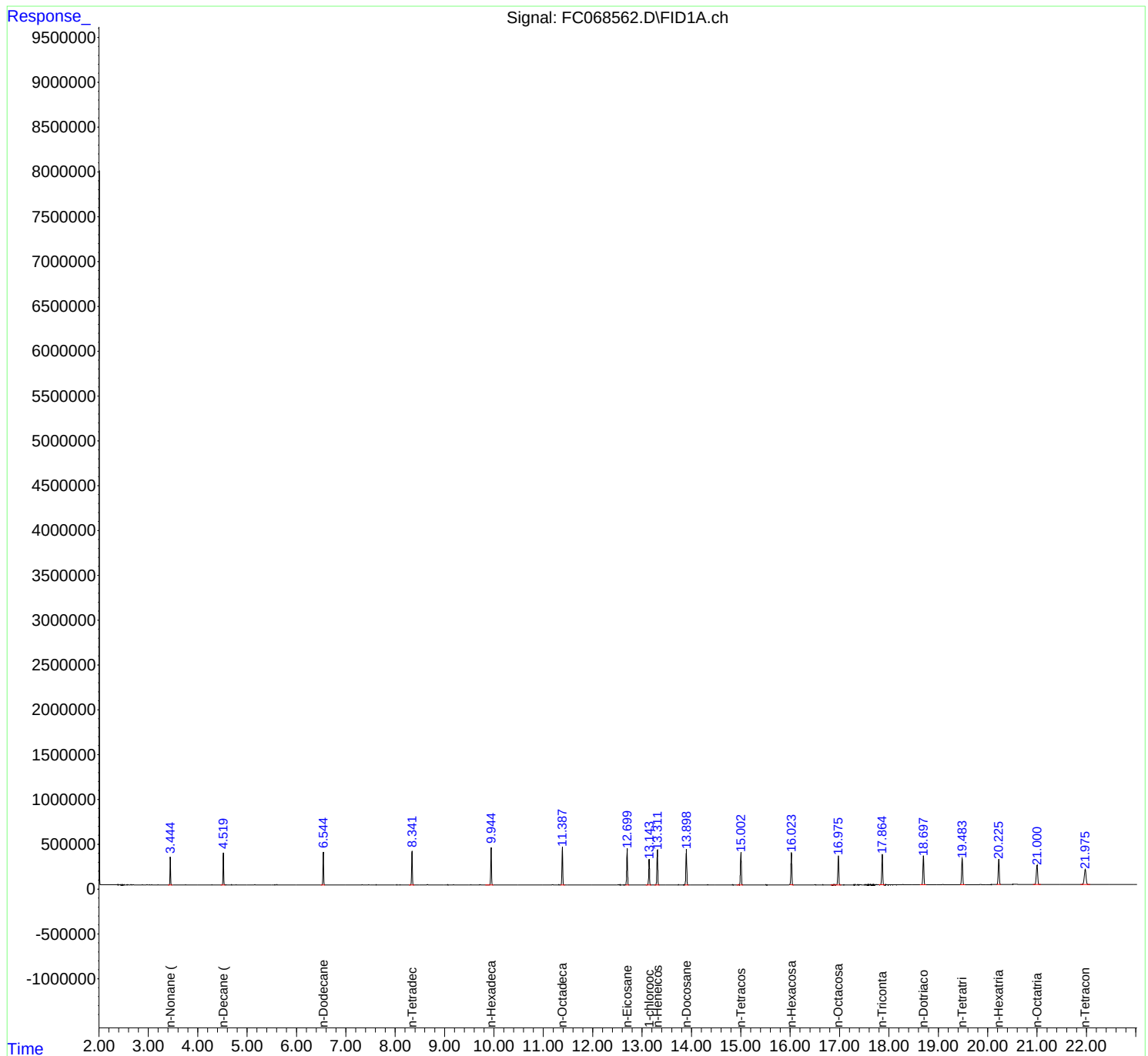
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068562.D
Signal(s) : FID1A.ch
Acq On : 10 Apr 2025 22:51
Operator : YP/AJ
Sample : PB167513BSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167513BSD

Integration File: autoint1.e
Quant Time: Apr 11 03:46:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068562.D
 Signal(s) : FID1A.ch
 Acq On : 10 Apr 2025 22:51
 Sample : PB167513BSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	3.445	3.395	3.488	BB	311051	2590000	53.08%	3.248%
2	4.520	4.465	4.555	BV	360380	3152325	64.60%	3.953%
3	6.544	6.492	6.577	BB	368696	3557036	72.90%	4.460%
4	8.342	8.280	8.387	BB	379510	3996243	81.90%	5.011%
5	9.945	9.823	9.992	BB	417831	4433156	90.85%	5.559%
6	11.388	11.347	11.437	BB	422975	4682520	95.96%	5.872%
7	12.699	12.663	12.738	BB	402700	4879459	100.00%	6.118%
8	13.144	13.075	13.190	BB	289729	3378740	69.24%	4.237%
9	13.311	13.250	13.352	BB	394244	4681403	95.94%	5.870%
10	13.898	13.862	13.942	VB	400411	4675280	95.82%	5.862%
11	15.002	14.913	15.047	BB	365565	4605982	94.40%	5.776%
12	16.023	15.990	16.070	BB	359806	4493132	92.08%	5.634%
13	16.975	16.818	17.033	BB	326442	4481288	91.84%	5.619%
14	17.864	17.795	17.917	BB	341396	4533322	92.91%	5.684%
15	18.698	18.628	18.752	BB	324430	4498769	92.20%	5.641%
16	19.483	19.440	19.540	BB	294081	4437893	90.95%	5.565%
17	20.224	20.180	20.267	BB	284624	4269087	87.49%	5.353%
18	20.999	20.917	21.075	BB	214407	4217418	86.43%	5.288%
19	21.975	21.878	22.075	BB	171086	4186737	85.80%	5.250%
Sum of corrected areas:						79749786		

Aliphatic EPH 040925.M Fri Apr 11 04:49:07 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040925AR\
 Data File : FD049260.D
 Signal(s) : FID2B.ch
 Acq On : 09 Apr 2025 17:54
 Operator : YP/AJ
 Sample : PB167524BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB167524BSD

Integration File: autoint1.e
 Quant Time: Apr 10 02:09:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 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

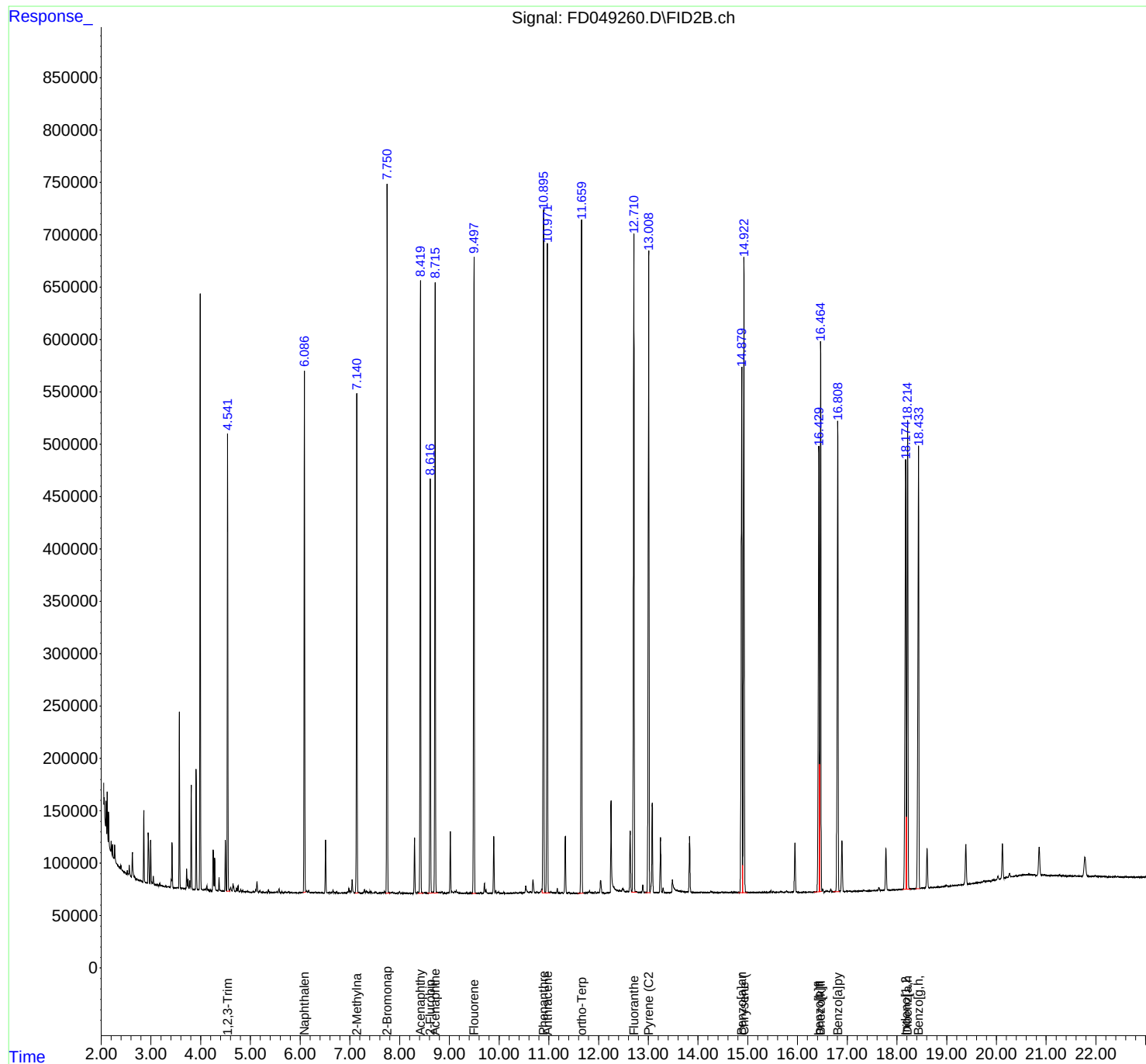
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.750	6278614	42.385 ug/ml
Spiked Amount 50.000		Recovery =	84.77%
6) S 2-Fluorobiphenyl (SURR)	8.617	3962978	38.852 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	77.70%
11) S ortho-Terphenyl (SURR)	11.659	6801908	38.607 ug/ml
Spiked Amount 50.000		Recovery =	77.21%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.541	3730586	24.896 ug/ml
2) T Naphthalene (C11.7)	6.086	4507735	27.531 ug/ml
3) T 2-Methylnaphthalene (...)	7.140	4494978	27.790 ug/ml
5) T Acenaphthylene (C15.06)	8.420	5586071	31.624 ug/ml
7) T Acenaphthene (C15.5)	8.716	5634694	32.706 ug/ml
8) T Fluorene (C16.55)	9.497	6225395	35.700 ug/ml
9) T Phenanthrene (C19.36)	10.896	6784589	39.534 ug/ml
10) T Anthracene (C19.43)	10.971	6545529	41.666 ug/ml
12) T Fluoranthene (C21.85)	12.710	7113842	42.087 ug/ml
13) T Pyrene (C20.8)	13.009	6965060	41.529 ug/ml
14) T Benzo[a]anthracene (C...	14.878	6496629	45.196 ug/ml
15) T Chrysene (C27.41)	14.923	7056237	48.902 ug/ml
16) T benzo[b]fluoranthene ...	16.429	6242555	44.871 ug/ml
17) T Bnezo[k]fluoranthene ...	16.464	6202178	45.349 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.808	5774309	44.406 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.175	6162126	49.986 ug/ml
20) T Dibenz[a,h]anthracene...	18.214	5768904	45.623 ug/ml
21) T Benzo[g,h,i]perylene ...	18.433	5849109	44.804 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Instrument :
FID_D
ClientSampleId :
PB167524BSD

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040925AR\
 Data File : FD049260.D
 Signal(s) : FID2B.ch
 Acq On : 09 Apr 2025 17:54
 Sample : PB167524BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.541	4.518	4.584	VV	436234	3730586	52.44%	3.004%
2	6.086	6.054	6.116	BV	498114	4507735	63.37%	3.630%
3	7.140	7.102	7.174	PV	476937	4494978	63.19%	3.620%
4	7.750	7.720	7.812	VB	676136	6278614	88.26%	5.056%
5	8.420	8.384	8.480	VV	584796	5586071	78.52%	4.498%
6	8.617	8.554	8.657	BV	394910	3962978	55.71%	3.191%
7	8.716	8.684	8.774	VV	583291	5634694	79.21%	4.537%
8	9.497	9.450	9.545	BB	606782	6225395	87.51%	5.013%
9	10.896	10.865	10.934	VV	650942	6784589	95.37%	5.463%
10	10.971	10.934	11.019	VV	616636	6545529	92.01%	5.271%
11	11.659	11.585	11.699	BV	643268	6801908	95.62%	5.477%
12	12.710	12.666	12.770	VB	628876	7113842	100.00%	5.728%
13	13.009	12.942	13.035	BV	612402	6965060	97.91%	5.609%
14	14.878	14.812	14.897	BV	501616	6496629	91.32%	5.231%
15	14.923	14.897	14.994	VB	604420	7056237	99.19%	5.682%
16	16.429	16.330	16.444	BV	426530	6242555	87.75%	5.027%
17	16.464	16.444	16.490	VV	526016	6202178	87.18%	4.994%
18	16.808	16.712	16.837	BV	449436	5774309	81.17%	4.650%
19	18.175	18.110	18.190	BV	408839	6162126	86.62%	4.962%
20	18.214	18.190	18.274	VB	446686	5768904	81.09%	4.645%
21	18.433	18.370	18.460	BV	422174	5849109	82.22%	4.710%
Sum of corrected areas:						124184027		

Aromatic EPH 040725.M Thu Apr 10 02:33:26 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
 Data File : FC068538.D
 Signal(s) : FID1A.ch
 Acq On : 09 Apr 2025 23:27
 Operator : YP/AJ
 Sample : PB167524BSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB167524BSD

Integration File: autoint1.e
 Quant Time: Apr 10 05:27:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 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			
12) S 1-chlorooctadecane (S...	13.145	3554387	38.263 ug/ml
Spiked Amount 50.000		Recovery =	76.53%
Target Compounds			
1) T n-Nonane (C9)	3.446	2443195	23.197 ug/ml
2) T n-Decane (C10)	4.521	2979303	28.277 ug/ml
4) T n-Dodecane (C12)	6.545	3343860	31.797 ug/ml
6) T n-Tetradecane (C14)	8.343	3552152	34.553 ug/ml
7) T n-Hexadecane (C16)	9.945	3860611	37.908 ug/ml
8) T n-Octadecane (C18)	11.388	4037337	40.120 ug/ml
10) T n-Eicosane (C20)	12.699	4190831	42.607 ug/ml
11) T n-Heneicosane (C21)	13.311	4031508	41.367 ug/ml
13) T n-Docosane (C22)	13.898	4007176	41.484 ug/ml
14) T n-Tetracosane (C24)	15.002	4014807	42.179 ug/ml
15) T n-Hexacosane (C26)	16.024	3909292	41.853 ug/ml
16) T n-Octacosane (C28)	16.975	3886881	42.453 ug/ml
17) T n-Tricontane (C30)	17.865	3943694	42.898 ug/ml
18) T n-Dotriacontane (C32)	18.699	3926834	42.809 ug/ml
19) T n-Tetratriacontane (C34)	19.485	3903163	43.689 ug/ml
20) T n-Hexatriacontane (C36)	20.225	3811183	42.546 ug/ml
21) T n-Octatriacontane (C38)	21.003	3819912	43.206 ug/ml
22) T n-Tetracontane (C40)	21.981	3700094	41.901 ug/ml

(f)=RT Delta > 1/2 Window

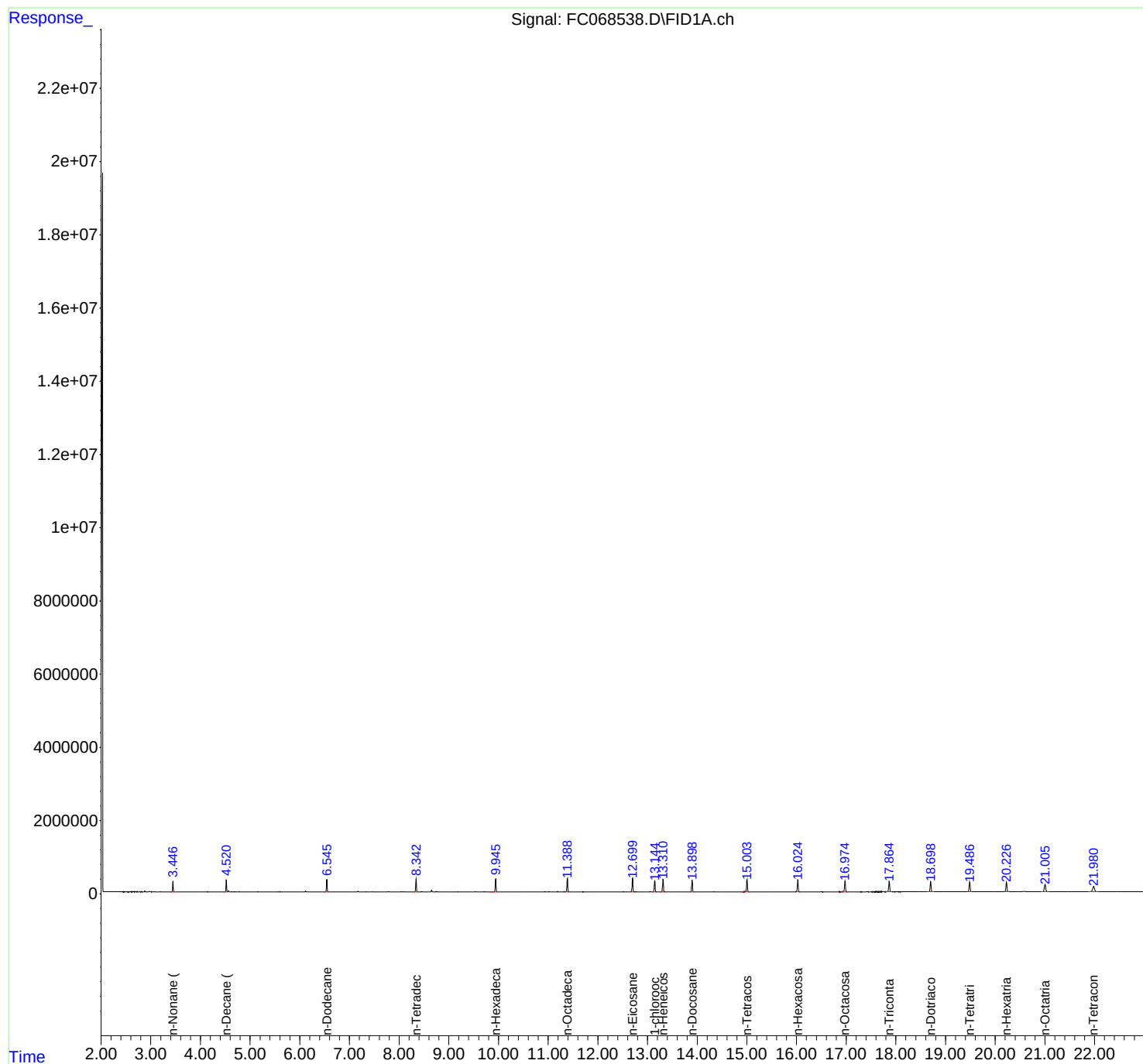
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
Data File : FC068538.D
Signal(s) : FID1A.ch
Acq On : 09 Apr 2025 23:27
Operator : YP/AJ
Sample : PB167524BSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167524BSD

Integration File: autoint1.e
Quant Time: Apr 10 05:27:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041025AL\
 Data File : FC068538.D
 Signal(s) : FID1A.ch
 Acq On : 09 Apr 2025 23:27
 Sample : PB167524BSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	3.446	3.395	3.490	BB	294825	2443195	58.30%	3.445%
2	4.521	4.465	4.547	BV	333770	2979303	71.09%	4.201%
3	6.545	6.482	6.579	BB	345101	3343860	79.79%	4.715%
4	8.343	8.287	8.382	BB	345882	3552152	84.76%	5.009%
5	9.945	9.819	9.994	BB	355524	3860611	92.12%	5.444%
6	11.388	11.344	11.419	BB	365569	4037337	96.34%	5.693%
7	12.699	12.662	12.739	BV	372952	4190831	100.00%	5.910%
8	13.145	13.094	13.180	BB	300609	3554387	84.81%	5.012%
9	13.311	13.240	13.347	BB	338569	4031508	96.20%	5.685%
10	13.898	13.860	13.942	VB	331210	4007176	95.62%	5.651%
11	15.002	14.884	15.054	BB	332387	4014807	95.80%	5.661%
12	16.024	15.990	16.075	BB	319753	3909292	93.28%	5.513%
13	16.975	16.894	17.037	BB	296741	3886881	92.75%	5.481%
14	17.865	17.790	17.917	BB	285014	3943694	94.10%	5.561%
15	18.699	18.625	18.762	BB	282164	3926834	93.70%	5.537%
16	19.485	19.440	19.527	BB	259145	3903163	93.14%	5.504%
17	20.225	20.180	20.280	BB	261179	3811183	90.94%	5.374%
18	21.003	20.917	21.079	BB	202403	3819912	91.15%	5.387%
19	21.981	21.877	22.074	BB	149317	3700094	88.29%	5.218%
Sum of corrected areas:						70916219		

Aliphatic EPH 040925.M Thu Apr 10 06:04:11 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068567.D
 Signal(s) : FID1A.ch
 Acq On : 11 Apr 2025 01:55
 Operator : YP/AJ
 Sample : Q1746-01MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 B-149-SB01MS

Integration File: autoint1.e
 Quant Time: Apr 11 03:48:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 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			
12) S 1-chlorooctadecane (S...	13.145	3712633	39.966 ug/ml
Spiked Amount 50.000		Recovery =	79.93%
Target Compounds			
1) T n-Nonane (C9)	3.445	1597930	15.172 ug/ml
2) T n-Decane (C10)	4.519	2034608	19.311 ug/ml
4) T n-Dodecane (C12)	6.544	2670472	25.394 ug/ml
6) T n-Tetradecane (C14)	8.342	3370380	32.784 ug/ml
7) T n-Hexadecane (C16)	9.945	3951267	38.798 ug/ml
8) T n-Octadecane (C18)	11.387	4052107	40.266 ug/ml
10) T n-Eicosane (C20)	12.698	4152640	42.219 ug/ml
11) T n-Heneicosane (C21)	13.311	3974185	40.779 ug/ml
13) T n-Docosane (C22)	13.897	3941290	40.802 ug/ml
14) T n-Tetracosane (C24)	15.002	4003738	42.063 ug/ml
15) T n-Hexacosane (C26)	16.025	3808744	40.777 ug/ml
16) T n-Octacosane (C28)	16.975	3785529	41.346 ug/ml
17) T n-Tricontane (C30)	17.864	3836308	41.730 ug/ml
18) T n-Dotriacontane (C32)	18.697	3807746	41.511 ug/ml
19) T n-Tetratriacontane (C34)	19.482	3799314	42.527 ug/ml
20) T n-Hexatriacontane (C36)	20.223	3701952	41.326 ug/ml
21) T n-Octatriacontane (C38)	20.998	3710211	41.965 ug/ml
22) T n-Tetracontane (C40)	21.974	3584183	40.588 ug/ml

(f)=RT Delta > 1/2 Window

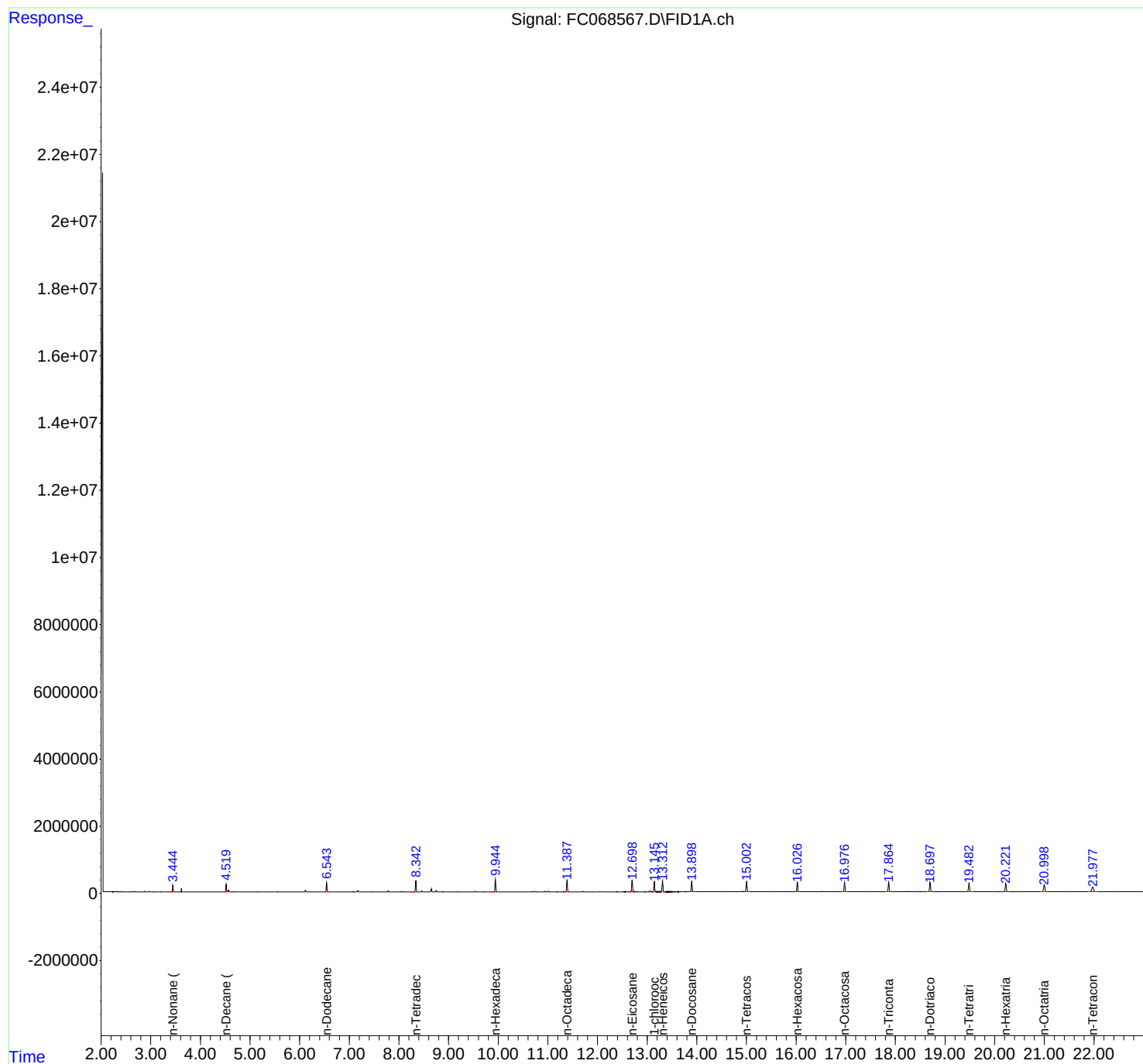
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068567.D
Signal(s) : FID1A.ch
Acq On : 11 Apr 2025 01:55
Operator : YP/AJ
Sample : Q1746-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-149-SB01MS

Integration File: autoint1.e
Quant Time: Apr 11 03:48:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068567.D
 Signal(s) : FID1A.ch
 Acq On : 11 Apr 2025 01:55
 Sample : Q1746-01MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	2.361	2.321	2.398	BV	1365	4748	0.11%	0.006%
2	2.426	2.398	2.474	PV	4816	45725	1.10%	0.059%
3	2.490	2.474	2.509	PV	891	6940	0.17%	0.009%
4	2.519	2.509	2.560	VV	173	1376	0.03%	0.002%
5	2.589	2.560	2.624	VV	1995	17602	0.42%	0.023%
6	2.648	2.624	2.670	PV	6597	50846	1.22%	0.065%
7	2.697	2.670	2.741	VV	6964	63820	1.53%	0.082%
8	2.750	2.741	2.762	VV	167	1337	0.03%	0.002%
9	2.778	2.762	2.803	VV	566	4873	0.12%	0.006%
10	2.814	2.803	2.849	VV	359	3072	0.07%	0.004%
11	2.879	2.849	2.944	PV	20966	161183	3.88%	0.207%
12	2.969	2.944	3.002	VV	11148	135487	3.26%	0.174%
13	3.019	3.002	3.051	VV	789	7354	0.18%	0.009%
14	3.069	3.051	3.097	PV	1338	12015	0.29%	0.015%
15	3.107	3.097	3.132	VV	124	1035	0.02%	0.001%
16	3.147	3.132	3.177	PV	178	2409	0.06%	0.003%
17	3.197	3.177	3.247	VV	1337	12550	0.30%	0.016%
18	3.270	3.247	3.311	VV	183	3395	0.08%	0.004%
19	3.345	3.311	3.385	PV	126	2601	0.06%	0.003%
20	3.394	3.385	3.405	PV	120	928	0.02%	0.001%
21	3.445	3.405	3.518	VV	194805	1602269	38.53%	2.059%
22	3.524	3.518	3.535	VV	92	722	0.02%	0.001%
23	3.577	3.535	3.596	VV	259	4816	0.12%	0.006%
24	3.603	3.596	3.615	VV	148	1203	0.03%	0.002%
25	3.618	3.615	3.635	VV	39712	74567	1.79%	0.096%
26	3.649	3.635	3.683	VV	174	3011	0.07%	0.004%
27	3.724	3.683	3.744	VV	277	5268	0.13%	0.007%
28	3.770	3.744	3.808	VV	330	6923	0.17%	0.009%
29	3.824	3.808	3.855	VV	227	4384	0.11%	0.006%
30	3.861	3.855	3.881	VV	247	2669	0.06%	0.003%
31	3.893	3.881	3.931	VV	242	3646	0.09%	0.005%
32	3.946	3.931	3.981	VV	315	5066	0.12%	0.007%
33	3.991	3.981	4.011	VV	212	2621	0.06%	0.003%
34	4.028	4.011	4.087	VV	311	6598	0.16%	0.008%
35	4.120	4.087	4.132	VV	396	5946	0.14%	0.008%
36	4.148	4.132	4.200	VV	810	10240	0.25%	0.013%

					rterres			
37	4.214	4.200	4.245	VV	266	3491	0.08%	0.004%
38	4.289	4.245	4.314	PV	653	11882	0.29%	0.015%
39	4.329	4.314	4.408	VV	193	7323	0.18%	0.009%
40	4.442	4.408	4.495	VV	207	7242	0.17%	0.009%
41	4.519	4.495	4.545	VV	226717	2040410	49.07%	2.622%
42	4.565	4.545	4.607	VV	55709	491726	11.83%	0.632%
43	4.627	4.607	4.652	VV	1085	13835	0.33%	0.018%
44	4.675	4.652	4.710	VV	1516	22820	0.55%	0.029%
45	4.747	4.710	4.760	VV	689	9292	0.22%	0.012%
46	4.776	4.760	4.798	VV	1215	12431	0.30%	0.016%
47	4.809	4.798	4.841	VV	218	3426	0.08%	0.004%
48	4.862	4.841	4.877	VV	139	2192	0.05%	0.003%
49	4.900	4.877	4.916	VV	191	2852	0.07%	0.004%
50	4.941	4.916	4.955	VV	238	3299	0.08%	0.004%
51	4.970	4.955	4.991	VV	189	2802	0.07%	0.004%
52	5.000	4.991	5.041	VV	250	3050	0.07%	0.004%
53	5.056	5.041	5.065	VV	140	1158	0.03%	0.001%
54	5.083	5.065	5.105	VV	222	2660	0.06%	0.003%
55	5.131	5.105	5.140	VV	478	4639	0.11%	0.006%
56	5.157	5.140	5.191	VV	2001	22870	0.55%	0.029%
57	5.215	5.191	5.233	VV	385	5029	0.12%	0.006%
58	5.244	5.233	5.254	VV	165	1445	0.03%	0.002%
59	5.264	5.254	5.311	VV	198	2758	0.07%	0.004%
60	5.349	5.311	5.373	VV	188	4199	0.10%	0.005%
61	5.384	5.373	5.418	VV	284	3650	0.09%	0.005%
62	5.460	5.418	5.474	VV	177	3828	0.09%	0.005%
63	5.481	5.474	5.495	VV	103	999	0.02%	0.001%
64	5.560	5.495	5.581	VV	1649	20321	0.49%	0.026%
65	5.602	5.581	5.643	VV	834	11003	0.26%	0.014%
66	5.659	5.643	5.678	VV	206	2456	0.06%	0.003%
67	5.688	5.678	5.704	VV	132	1367	0.03%	0.002%
68	5.751	5.704	5.780	VV	383	7219	0.17%	0.009%
69	5.804	5.780	5.825	VV	162	2790	0.07%	0.004%
70	5.851	5.825	5.885	VV	335	6530	0.16%	0.008%
71	5.910	5.885	5.966	VV	181	5796	0.14%	0.007%
72	5.977	5.966	5.992	VV	197	1646	0.04%	0.002%
73	6.015	5.992	6.037	PV	175	2599	0.06%	0.003%
74	6.064	6.037	6.074	VV	216	2527	0.06%	0.003%
75	6.116	6.074	6.146	VV	51996	481571	11.58%	0.619%
76	6.160	6.146	6.181	VV	369	5186	0.12%	0.007%
77	6.203	6.181	6.238	VV	676	10149	0.24%	0.013%
78	6.264	6.238	6.282	VV	429	6387	0.15%	0.008%
79	6.334	6.282	6.371	VV	263	8912	0.21%	0.011%
80	6.385	6.371	6.405	VV	191	2787	0.07%	0.004%
81	6.431	6.405	6.452	VV	262	4151	0.10%	0.005%
82	6.475	6.452	6.508	VV	191	4649	0.11%	0.006%
83	6.544	6.508	6.603	VV	272886	2675802	64.35%	3.439%
84	6.629	6.603	6.647	VV	289	4204	0.10%	0.005%
85	6.663	6.647	6.675	VV	267	2566	0.06%	0.003%
86	6.693	6.675	6.714	VV	1066	11591	0.28%	0.015%
87	6.729	6.714	6.747	VV	311	4244	0.10%	0.005%
88	6.766	6.747	6.783	VV	341	4443	0.11%	0.006%
89	6.804	6.783	6.850	VV	131	4468	0.11%	0.006%

					rt	Area	Height	%Area	%Height
90	6.873	6.850	6.920	VV	212	6013	0.14%	0.008%	
91	6.942	6.920	6.968	VV	193	3897	0.09%	0.005%	
92	6.987	6.968	7.016	VV	312	4510	0.11%	0.006%	
93	7.041	7.016	7.061	VV	554	8321	0.20%	0.011%	
94	7.081	7.061	7.133	VV	1529	23312	0.56%	0.030%	
95	7.173	7.133	7.227	VV	44120	433371	10.42%	0.557%	
96	7.248	7.227	7.271	VV	642	8117	0.20%	0.010%	
97	7.273	7.271	7.290	VV	209	1212	0.03%	0.002%	
98	7.330	7.290	7.354	VV	1063	16535	0.40%	0.021%	
99	7.389	7.354	7.417	VV	228	5902	0.14%	0.008%	
100	7.438	7.417	7.446	VV	281	3396	0.08%	0.004%	
101	7.468	7.446	7.513	VV	2657	29627	0.71%	0.038%	
102	7.537	7.513	7.548	VV	236	3528	0.08%	0.005%	
103	7.561	7.548	7.581	VV	438	4496	0.11%	0.006%	
104	7.597	7.581	7.625	VV	109	1903	0.05%	0.002%	
105	7.652	7.625	7.670	VV	202	4056	0.10%	0.005%	
106	7.680	7.670	7.713	VV	143	1784	0.04%	0.002%	
107	7.731	7.713	7.755	VV	493	5543	0.13%	0.007%	
108	7.785	7.755	7.874	VV	34243	332774	8.00%	0.428%	
109	7.896	7.874	7.935	VV	360	7831	0.19%	0.010%	
110	7.951	7.935	7.973	VV	260	3381	0.08%	0.004%	
111	7.991	7.973	8.015	VV	304	3972	0.10%	0.005%	
112	8.036	8.015	8.075	VV	1994	24223	0.58%	0.031%	
113	8.093	8.075	8.116	VV	1687	18136	0.44%	0.023%	
114	8.128	8.116	8.137	VV	222	1777	0.04%	0.002%	
115	8.162	8.137	8.180	VV	520	7053	0.17%	0.009%	
116	8.196	8.180	8.221	VV	245	4300	0.10%	0.006%	
117	8.248	8.221	8.268	VV	691	9865	0.24%	0.013%	
118	8.274	8.268	8.287	VV	305	2997	0.07%	0.004%	
119	8.342	8.287	8.408	VV	330756	3377738	81.24%	4.341%	
120	8.457	8.408	8.515	VV	28561	297777	7.16%	0.383%	
121	8.532	8.515	8.557	VV	423	6661	0.16%	0.009%	
122	8.572	8.557	8.606	VV	411	5748	0.14%	0.007%	
123	8.615	8.606	8.622	VV	86	365	0.01%	0.000%	
124	8.655	8.622	8.685	PV	82566	806389	19.39%	1.036%	
125	8.693	8.685	8.725	VV	410	7294	0.18%	0.009%	
126	8.754	8.725	8.792	VV	43798	439600	10.57%	0.565%	
127	8.806	8.792	8.819	VV	409	5553	0.13%	0.007%	
128	8.831	8.819	8.853	VV	392	6950	0.17%	0.009%	
129	8.878	8.853	8.918	VV	1515	23180	0.56%	0.030%	
130	8.939	8.918	8.981	VV	271	5323	0.13%	0.007%	
131	8.997	8.981	9.013	VV	270	2674	0.06%	0.003%	
132	9.028	9.013	9.041	VV	237	2167	0.05%	0.003%	
133	9.063	9.041	9.082	VV	1238	15038	0.36%	0.019%	
134	9.102	9.082	9.135	VV	629	12398	0.30%	0.016%	
135	9.163	9.135	9.211	VV	2456	46275	1.11%	0.059%	
136	9.221	9.211	9.238	VV	284	3233	0.08%	0.004%	
137	9.251	9.238	9.288	VV	319	4603	0.11%	0.006%	
138	9.304	9.288	9.336	VV	276	3579	0.09%	0.005%	
139	9.353	9.336	9.367	VV	124	1701	0.04%	0.002%	
140	9.421	9.367	9.434	VV	323	6786	0.16%	0.009%	
141	9.465	9.434	9.507	VV	513	10308	0.25%	0.013%	

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142	9.537	9.507	9.567	VV	21311	223344	5.37%	0.287%
143	9.582	9.567	9.601	VV	664	9141	0.22%	0.012%
144	9.621	9.601	9.645	VV	384	7055	0.17%	0.009%
145	9.672	9.645	9.701	VV	575	10953	0.26%	0.014%
146	9.723	9.701	9.741	VV	1992	22127	0.53%	0.028%
147	9.753	9.741	9.775	VV	717	7629	0.18%	0.010%
148	9.782	9.775	9.798	VV	187	1554	0.04%	0.002%
149	9.815	9.798	9.843	VV	651	7742	0.19%	0.010%
150	9.865	9.843	9.905	VV	414	9447	0.23%	0.012%
151	9.945	9.905	9.994	VV	366226	3942971	94.83%	5.067%
152	10.027	9.994	10.039	VV	297	5660	0.14%	0.007%
153	10.045	10.039	10.082	VV	250	3714	0.09%	0.005%
154	10.095	10.082	10.108	VV	116	996	0.02%	0.001%
155	10.115	10.108	10.190	VV	130	2178	0.05%	0.003%
156	10.222	10.190	10.236	PV	204	1729	0.04%	0.002%
157	10.265	10.236	10.301	PV	256	5605	0.13%	0.007%
158	10.333	10.301	10.357	VV	1087	16490	0.40%	0.021%
159	10.377	10.357	10.396	VV	378	6128	0.15%	0.008%
160	10.423	10.396	10.457	VV	381	8246	0.20%	0.011%
161	10.477	10.457	10.521	VV	348	6631	0.16%	0.009%
162	10.542	10.521	10.558	VV	225	3762	0.09%	0.005%
163	10.575	10.558	10.598	VV	276	5544	0.13%	0.007%
164	10.614	10.598	10.644	VV	371	7834	0.19%	0.010%
165	10.681	10.644	10.712	VV	2627	36933	0.89%	0.047%
166	10.752	10.712	10.788	VV	2160	51950	1.25%	0.067%
167	10.813	10.788	10.859	VV	572	12353	0.30%	0.016%
168	10.869	10.859	10.914	VV	199	6198	0.15%	0.008%
169	10.940	10.914	10.979	VV	19379	206014	4.95%	0.265%
170	11.014	10.979	11.042	VV	20793	214639	5.16%	0.276%
171	11.055	11.042	11.071	VV	382	5346	0.13%	0.007%
172	11.078	11.071	11.089	VV	359	3612	0.09%	0.005%
173	11.097	11.089	11.121	VV	343	5649	0.14%	0.007%
174	11.136	11.121	11.161	VV	324	4475	0.11%	0.006%
175	11.189	11.161	11.227	VV	1091	13837	0.33%	0.018%
176	11.248	11.227	11.266	VV	66	847	0.02%	0.001%
177	11.316	11.266	11.346	PV	973	13939	0.34%	0.018%
178	11.387	11.346	11.448	VV	357492	4058010	97.60%	5.215%
179	11.478	11.448	11.524	VV	883	14237	0.34%	0.018%
180	11.542	11.524	11.559	PV	197	1907	0.05%	0.002%
181	11.576	11.559	11.588	VV	102	907	0.02%	0.001%
182	11.595	11.588	11.603	VV	59	508	0.01%	0.001%
183	11.709	11.603	11.735	VV	12394	140366	3.38%	0.180%
184	11.743	11.735	11.759	VV	415	3939	0.09%	0.005%
185	11.780	11.759	11.806	VV	606	9107	0.22%	0.012%
186	11.839	11.806	11.858	VV	401	8846	0.21%	0.011%
187	11.869	11.858	11.885	VV	389	4610	0.11%	0.006%
188	11.898	11.885	11.918	VV	285	3656	0.09%	0.005%
189	11.935	11.918	11.958	VV	188	4093	0.10%	0.005%
190	11.960	11.958	11.969	VV	230	958	0.02%	0.001%
191	12.054	11.969	12.088	VV	3079	51211	1.23%	0.066%
192	12.104	12.088	12.127	VV	350	5947	0.14%	0.008%
193	12.150	12.127	12.171	VV	563	8629	0.21%	0.011%
194	12.214	12.171	12.238	VV	276	8029	0.19%	0.010%

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195	12.277	12.238	12.305	VV	574	12031	0.29%	0.015%
196	12.346	12.305	12.375	VV	558	15509	0.37%	0.020%
197	12.392	12.375	12.407	VV	758	9641	0.23%	0.012%
198	12.419	12.407	12.455	VV	423	9918	0.24%	0.013%
199	12.467	12.455	12.479	VV	524	6073	0.15%	0.008%
200	12.521	12.479	12.548	VV	1320	31527	0.76%	0.041%
201	12.558	12.548	12.599	VV	831	12289	0.30%	0.016%
202	12.637	12.599	12.660	VV	865	15501	0.37%	0.020%
203	12.698	12.660	12.733	VV	353622	4157981	100.00%	5.343%
204	12.759	12.733	12.808	VV	14344	170674	4.10%	0.219%
205	12.818	12.808	12.836	VV	306	3960	0.10%	0.005%
206	12.843	12.836	12.890	VV	173	3461	0.08%	0.004%
207	12.949	12.890	13.009	VV	635	16474	0.40%	0.021%
208	13.019	13.009	13.030	VV	220	2268	0.05%	0.003%
209	13.059	13.030	13.086	VV	18174	202416	4.87%	0.260%
210	13.145	13.086	13.180	VV	313804	3730316	89.71%	4.794%
211	13.194	13.180	13.221	VV	479	8887	0.21%	0.011%
212	13.228	13.221	13.234	VV	378	2329	0.06%	0.003%
213	13.245	13.234	13.268	VV	392	6744	0.16%	0.009%
214	13.311	13.268	13.347	VV	333983	3989556	95.95%	5.127%
215	13.363	13.347	13.376	VV	554	7792	0.19%	0.010%
216	13.380	13.376	13.438	VV	426	11790	0.28%	0.015%
217	13.448	13.438	13.456	VV	292	2508	0.06%	0.003%
218	13.481	13.456	13.505	VV	363	7315	0.18%	0.009%
219	13.543	13.505	13.558	VV	483	12082	0.29%	0.016%
220	13.579	13.558	13.627	VV	469	14492	0.35%	0.019%
221	13.654	13.627	13.670	VV	542	10053	0.24%	0.013%
222	13.688	13.670	13.715	VV	798	13845	0.33%	0.018%
223	13.738	13.715	13.778	VV	1130	23216	0.56%	0.030%
224	13.810	13.778	13.825	VV	402	9671	0.23%	0.012%
225	13.843	13.825	13.860	VV	885	13480	0.32%	0.017%
226	13.897	13.860	13.941	VV	324231	3955508	95.13%	5.083%
227	13.955	13.941	13.976	VV	529	8733	0.21%	0.011%
228	13.987	13.976	14.008	VV	379	5367	0.13%	0.007%
229	14.033	14.008	14.086	VV	318	11109	0.27%	0.014%
230	14.123	14.086	14.168	VV	619	19802	0.48%	0.025%
231	14.191	14.168	14.242	VV	354	13684	0.33%	0.018%
232	14.258	14.242	14.275	VV	345	5873	0.14%	0.008%
233	14.331	14.275	14.358	VV	1410	31156	0.75%	0.040%
234	14.369	14.358	14.385	VV	430	5763	0.14%	0.007%
235	14.392	14.385	14.408	VV	360	4734	0.11%	0.006%
236	14.416	14.408	14.432	VV	496	5706	0.14%	0.007%
237	14.458	14.432	14.482	VV	1666	24080	0.58%	0.031%
238	14.530	14.482	14.548	VV	413	11491	0.28%	0.015%
239	14.560	14.548	14.578	VV	433	6165	0.15%	0.008%
240	14.582	14.578	14.608	VV	401	5621	0.14%	0.007%
241	14.624	14.608	14.641	VV	318	4898	0.12%	0.006%
242	14.659	14.641	14.703	VV	418	11154	0.27%	0.014%
243	14.725	14.703	14.798	VV	476	17902	0.43%	0.023%
244	14.854	14.798	14.878	VV	490	16702	0.40%	0.021%
245	14.936	14.878	14.957	VV	9767	119333	2.87%	0.153%
246	15.002	14.957	15.125	VV	316467	4025807	96.82%	5.173%

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247	15.144	15.125	15.157	VV	151	2502	0.06%	0.003%
248	15.198	15.157	15.213	VV	331	6759	0.16%	0.009%
249	15.246	15.213	15.262	VV	303	7014	0.17%	0.009%
250	15.270	15.262	15.298	VV	263	3264	0.08%	0.004%
251	15.334	15.298	15.360	VV	399	8884	0.21%	0.011%
252	15.386	15.360	15.408	VV	319	5816	0.14%	0.007%
253	15.426	15.408	15.445	VV	286	4970	0.12%	0.006%
254	15.450	15.445	15.468	VV	259	2628	0.06%	0.003%
255	15.481	15.468	15.498	VV	207	2867	0.07%	0.004%
256	15.519	15.498	15.575	VV	2053	31726	0.76%	0.041%
257	15.577	15.575	15.590	VV	251	1545	0.04%	0.002%
258	15.608	15.590	15.655	VV	245	4986	0.12%	0.006%
259	15.670	15.655	15.682	VV	249	2658	0.06%	0.003%
260	15.701	15.682	15.738	VV	335	6693	0.16%	0.009%
261	15.750	15.738	15.778	VV	283	5388	0.13%	0.007%
262	15.789	15.778	15.811	VV	257	3935	0.09%	0.005%
263	15.854	15.811	15.898	VV	370	11703	0.28%	0.015%
264	15.911	15.898	15.928	VV	231	3076	0.07%	0.004%
265	15.948	15.928	15.958	VV	210	2593	0.06%	0.003%
266	16.024	15.958	16.098	VV	288666	3847135	92.52%	4.944%
267	16.120	16.098	16.135	VV	193	1870	0.04%	0.002%
268	16.145	16.135	16.165	PV	91	788	0.02%	0.001%
269	16.189	16.165	16.209	VV	333	5931	0.14%	0.008%
270	16.243	16.209	16.288	VV	372	9776	0.24%	0.013%
271	16.313	16.288	16.321	VV	282	3918	0.09%	0.005%
272	16.336	16.321	16.360	VV	349	5431	0.13%	0.007%
273	16.395	16.360	16.437	VV	356	9894	0.24%	0.013%
274	16.493	16.437	16.508	VV	8157	112602	2.71%	0.145%
275	16.523	16.508	16.561	VV	7511	101820	2.45%	0.131%
276	16.576	16.561	16.614	VV	310	7716	0.19%	0.010%
277	16.667	16.614	16.715	VV	532	23143	0.56%	0.030%
278	16.750	16.715	16.767	VV	457	10901	0.26%	0.014%
279	16.783	16.767	16.798	VV	402	6350	0.15%	0.008%
280	16.812	16.798	16.833	VV	478	8437	0.20%	0.011%
281	16.873	16.833	16.907	VV	7177	101829	2.45%	0.131%
282	16.975	16.907	17.035	VV	282540	3806798	91.55%	4.892%
283	17.052	17.035	17.082	VV	440	10887	0.26%	0.014%
284	17.119	17.082	17.153	VV	520	17469	0.42%	0.022%
285	17.230	17.153	17.271	VV	608	31759	0.76%	0.041%
286	17.298	17.271	17.347	VV	822	21683	0.52%	0.028%
287	17.422	17.347	17.461	VV	2866	61191	1.47%	0.079%
288	17.467	17.461	17.488	VV	467	5620	0.14%	0.007%
289	17.554	17.488	17.582	VV	790	24312	0.58%	0.031%
290	17.603	17.582	17.618	VV	342	6213	0.15%	0.008%
291	17.629	17.618	17.634	VV	358	2581	0.06%	0.003%
292	17.647	17.634	17.678	VV	457	8417	0.20%	0.011%
293	17.685	17.678	17.698	VV	273	2771	0.07%	0.004%
294	17.752	17.698	17.797	VV	3316	64106	1.54%	0.082%
295	17.864	17.797	17.902	VV	287729	3852341	92.65%	4.951%
296	17.915	17.902	17.935	VV	413	5821	0.14%	0.007%
297	17.952	17.935	17.975	VV	323	6731	0.16%	0.009%
298	18.022	17.975	18.096	VV	1431	43473	1.05%	0.056%
299	18.129	18.096	18.161	VV	303	8754	0.21%	0.011%

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300	18.242	18.161	18.261	VV	5814	84228	2.03%	0.108%
301	18.284	18.261	18.330	VV	9504	125960	3.03%	0.162%
302	18.388	18.330	18.448	PV	1170	28992	0.70%	0.037%
303	18.497	18.448	18.530	VV	5384	71081	1.71%	0.091%
304	18.549	18.530	18.571	VV	358	6297	0.15%	0.008%
305	18.591	18.571	18.606	VV	300	4428	0.11%	0.006%
306	18.615	18.606	18.626	VV	168	1207	0.03%	0.002%
307	18.697	18.626	18.778	PV	269072	3814394	91.74%	4.902%
308	18.814	18.778	18.838	VV	791	14442	0.35%	0.019%
309	18.863	18.838	18.905	VV	664	14384	0.35%	0.018%
310	18.919	18.905	18.935	VV	261	3802	0.09%	0.005%
311	18.949	18.935	18.968	VV	320	5036	0.12%	0.006%
312	18.985	18.968	19.021	VV	291	7565	0.18%	0.010%
313	19.093	19.021	19.121	VV	4723	77663	1.87%	0.100%
314	19.142	19.121	19.183	VV	535	12648	0.30%	0.016%
315	19.210	19.183	19.242	VV	530	12974	0.31%	0.017%
316	19.276	19.242	19.309	VV	509	14496	0.35%	0.019%
317	19.345	19.309	19.368	VV	550	14853	0.36%	0.019%
318	19.482	19.368	19.570	VV	252656	3859492	92.82%	4.960%
319	19.633	19.570	19.652	VV	919	34616	0.83%	0.044%
320	19.726	19.652	19.741	VV	923	41627	1.00%	0.053%
321	19.788	19.741	19.808	VV	981	35408	0.85%	0.046%
322	19.853	19.808	19.891	VV	2328	66566	1.60%	0.086%
323	20.032	19.891	20.055	VV	1446	119037	2.86%	0.153%
324	20.126	20.055	20.158	VV	2072	100114	2.41%	0.129%
325	20.223	20.158	20.285	VV	250821	3837761	92.30%	4.932%
326	20.306	20.285	20.327	VV	2034	48012	1.15%	0.062%
327	20.361	20.327	20.372	VV	2083	53855	1.30%	0.069%
328	20.389	20.372	20.414	VV	2149	50511	1.21%	0.065%
329	20.444	20.414	20.461	VV	2032	56726	1.36%	0.073%
330	20.500	20.461	20.518	VV	2049	66708	1.60%	0.086%
331	20.585	20.518	20.630	VV	2925	142540	3.43%	0.183%
332	20.735	20.630	20.757	VV	2089	144113	3.47%	0.185%
333	20.784	20.757	20.871	VV	2011	121783	2.93%	0.156%
334	20.880	20.871	20.922	VV	1611	47309	1.14%	0.061%
335	20.998	20.922	21.088	VV	204860	3850908	92.61%	4.949%
336	21.097	21.088	21.138	VV	1433	40839	0.98%	0.052%
337	21.147	21.138	21.188	VV	1291	37977	0.91%	0.049%
338	21.196	21.188	21.201	VV	1264	9792	0.24%	0.013%
339	21.209	21.201	21.231	VV	1204	21275	0.51%	0.027%
340	21.243	21.231	21.301	VV	1213	47326	1.14%	0.061%
341	21.340	21.301	21.401	VV	1137	59782	1.44%	0.077%
342	21.448	21.401	21.490	VV	1523	59316	1.43%	0.076%
343	21.502	21.490	21.541	VV	844	23494	0.57%	0.030%
344	21.549	21.541	21.558	VV	823	7633	0.18%	0.010%
345	21.597	21.558	21.627	VV	811	31046	0.75%	0.040%
346	21.639	21.627	21.678	VV	747	22424	0.54%	0.029%
347	21.689	21.678	21.726	VV	757	19679	0.47%	0.025%
348	21.741	21.726	21.778	VV	659	17107	0.41%	0.022%
349	21.815	21.778	21.824	VV	492	13142	0.32%	0.017%
350	21.832	21.824	21.895	VV	494	18319	0.44%	0.024%
351	21.975	21.895	22.103	VV	141554	3619007	87.04%	4.651%

					rters			
352	22.131	22.103	22.142	VV	258	5066	0.12%	0.007%
353	22.152	22.142	22.165	VV	197	2510	0.06%	0.003%
354	22.179	22.165	22.218	VV	172	4378	0.11%	0.006%
355	22.236	22.218	22.272	VV	162	4103	0.10%	0.005%
356	22.281	22.272	22.302	VV	125	1522	0.04%	0.002%
357	22.323	22.302	22.331	VV	109	1280	0.03%	0.002%
					Sum of corrected areas:	77816733		

Aliphatic EPH 040925.M Fri Apr 11 04:58:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049276.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 19:07
 Operator : YP/AJ
 Sample : Q1746-01MS
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-149-SB01MS

Integration File: autoint1.e
 Quant Time: Apr 11 01:05:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 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...	7.750	5519783	37.262 ug/ml
Spiked Amount 50.000		Recovery =	74.52%
6) S 2-Fluorobiphenyl (SURR)	8.615	3189374	31.268 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	62.54%
11) S ortho-Terphenyl (SURR)	11.658	5506873	31.256 ug/ml
Spiked Amount 50.000		Recovery =	62.51%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.541	2233228	14.903 ug/ml
2) T Naphthalene (C11.7)	6.086	3179791	19.420 ug/ml
3) T 2-Methylnaphthalene (...)	7.139	3544934	21.916 ug/ml
5) T Acenaphthylene (C15.06)	8.419	5104656	28.899 ug/ml
7) T Acenaphthene (C15.5)	8.715	5084253	29.511 ug/ml
8) T Fluorene (C16.55)	9.496	5959872	34.177 ug/ml
9) T Phenanthrene (C19.36)	10.895	6459746	37.641 ug/ml
10) T Anthracene (C19.43)	10.970	6192020	39.415 ug/ml
12) T Fluoranthene (C21.85)	12.709	6940271	41.060 ug/ml
13) T Pyrene (C20.8)	13.008	6682851	39.846 ug/ml
14) T Benzo[a]anthracene (C...	14.877	6258466	43.539 ug/ml
15) T Chrysene (C27.41)	14.922	6789279	47.052 ug/ml
16) T benzo[b]fluoranthene ...	16.428	6006098	43.171 ug/ml
17) T Bnezo[k]fluoranthene ...	16.463	5846624	42.749 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.809	5592066	43.004 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.174	5965719	48.393 ug/ml
20) T Dibenz[a,h]anthracene...	18.213	5470332	43.262 ug/ml
21) T Benzo[g,h,i]perylene ...	18.432	5548772	42.503 ug/ml

(f)=RT Delta > 1/2 Window

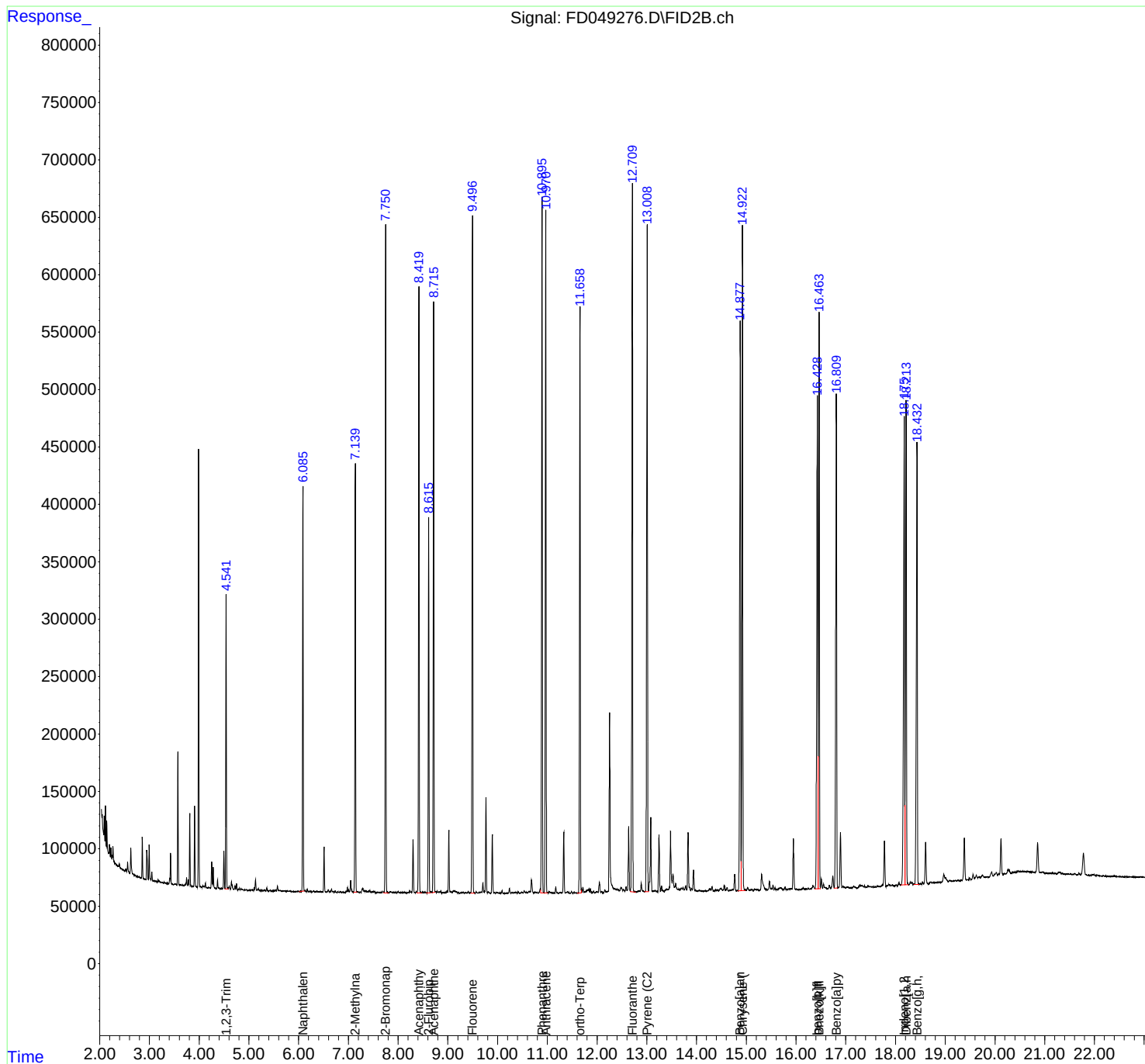
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
Data File : FD049276.D
Signal(s) : FID2B.ch
Acq On : 10 Apr 2025 19:07
Operator : YP/AJ
Sample : Q1746-01MS
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-149-SB01MS

Integration File: autoint1.e
Quant Time: Apr 11 01:05:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049276.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 19:07
 Sample : Q1746-01MS
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.073	4.042	4.086	BV	1590	12825	0.18%	0.009%
2	4.098	4.086	4.111	VV	1333	13210	0.19%	0.009%
3	4.126	4.111	4.175	VV	3992	37866	0.54%	0.026%
4	4.190	4.175	4.217	PV	494	6815	0.10%	0.005%
5	4.253	4.227	4.269	VV	23066	252123	3.61%	0.174%
6	4.283	4.269	4.319	VV	18477	175339	2.51%	0.121%
7	4.321	4.319	4.332	VV	357	1311	0.02%	0.001%
8	4.369	4.342	4.408	VV	7575	68736	0.98%	0.047%
9	4.413	4.408	4.424	VV	191	1010	0.01%	0.001%
10	4.432	4.424	4.440	PV	238	1207	0.02%	0.001%
11	4.455	4.440	4.472	VV	487	5280	0.08%	0.004%
12	4.497	4.472	4.518	VV	32928	295672	4.24%	0.203%
13	4.541	4.518	4.580	VV	257174	2239790	32.09%	1.541%
14	4.604	4.580	4.627	VV	2193	35335	0.51%	0.024%
15	4.648	4.627	4.660	VV	6863	69796	1.00%	0.048%
16	4.665	4.660	4.694	VV	3915	34940	0.50%	0.024%
17	4.722	4.694	4.736	VV	3334	34563	0.50%	0.024%
18	4.752	4.736	4.779	VV	5404	49716	0.71%	0.034%
19	4.788	4.779	4.791	PV	268	1044	0.01%	0.001%
20	4.804	4.791	4.820	VV	1686	14665	0.21%	0.010%
21	4.840	4.820	4.866	VV	1674	21049	0.30%	0.014%
22	4.871	4.866	4.880	VV	601	4401	0.06%	0.003%
23	4.885	4.880	4.908	VV	535	5399	0.08%	0.004%
24	4.915	4.908	4.925	VV	401	2700	0.04%	0.002%
25	4.944	4.925	4.993	VV	751	11609	0.17%	0.008%
26	5.006	4.993	5.019	PV	303	2866	0.04%	0.002%
27	5.023	5.019	5.035	VV	239	1579	0.02%	0.001%
28	5.058	5.035	5.084	VV	782	12919	0.19%	0.009%
29	5.106	5.084	5.116	VV	2493	26349	0.38%	0.018%
30	5.133	5.116	5.165	VV	9664	108627	1.56%	0.075%
31	5.190	5.165	5.208	VV	1896	24906	0.36%	0.017%
32	5.213	5.208	5.224	VV	302	1973	0.03%	0.001%
33	5.255	5.224	5.272	VV	613	9934	0.14%	0.007%
34	5.307	5.272	5.313	VV	652	8838	0.13%	0.006%
35	5.324	5.313	5.344	VV	799	10291	0.15%	0.007%
36	5.359	5.344	5.399	VV	2808	32985	0.47%	0.023%

					rterres			
37	5.419	5.399	5.431	VV	499	5964	0.09%	0.004%
38	5.436	5.431	5.473	VV	353	4674	0.07%	0.003%
39	5.499	5.473	5.512	PV	652	6995	0.10%	0.005%
40	5.534	5.512	5.552	VV	1307	14227	0.20%	0.010%
41	5.575	5.552	5.618	VV	4693	63595	0.91%	0.044%
42	5.632	5.618	5.667	VV	1098	16294	0.23%	0.011%
43	5.699	5.667	5.748	VV	813	21588	0.31%	0.015%
44	5.774	5.748	5.795	VV	636	9634	0.14%	0.007%
45	5.801	5.795	5.804	VV	226	1019	0.01%	0.001%
46	5.820	5.804	5.840	VV	559	7721	0.11%	0.005%
47	5.846	5.840	5.849	VV	296	1098	0.02%	0.001%
48	5.855	5.849	5.865	VV	334	2305	0.03%	0.002%
49	5.870	5.865	5.904	VV	323	3961	0.06%	0.003%
50	5.910	5.904	5.930	VV	288	1712	0.02%	0.001%
51	5.939	5.930	5.956	PV	364	3591	0.05%	0.002%
52	5.962	5.956	5.975	VV	268	2329	0.03%	0.002%
53	5.984	5.975	5.988	VV	392	2369	0.03%	0.002%
54	5.994	5.988	6.015	VV	573	4704	0.07%	0.003%
55	6.021	6.015	6.045	VV	445	6303	0.09%	0.004%
56	6.086	6.045	6.117	VV	353130	3205088	45.92%	2.206%
57	6.131	6.117	6.155	VV	1428	19849	0.28%	0.014%
58	6.173	6.155	6.212	VV	2286	30638	0.44%	0.021%
59	6.231	6.212	6.273	VV	740	15924	0.23%	0.011%
60	6.304	6.273	6.343	VV	903	18215	0.26%	0.013%
61	6.347	6.343	6.350	VV	320	1197	0.02%	0.001%
62	6.364	6.350	6.386	VV	838	11857	0.17%	0.008%
63	6.390	6.386	6.412	VV	429	5425	0.08%	0.004%
64	6.416	6.412	6.422	VV	350	1588	0.02%	0.001%
65	6.426	6.422	6.432	VV	315	1380	0.02%	0.001%
66	6.438	6.432	6.445	VV	346	1785	0.03%	0.001%
67	6.461	6.445	6.487	VV	321	5365	0.08%	0.004%
68	6.512	6.487	6.560	VV	39583	387583	5.55%	0.267%
69	6.562	6.560	6.567	VV	508	1531	0.02%	0.001%
70	6.595	6.567	6.616	VV	1887	26731	0.38%	0.018%
71	6.633	6.616	6.647	VV	1135	12169	0.17%	0.008%
72	6.661	6.647	6.681	VV	3050	33834	0.48%	0.023%
73	6.692	6.681	6.716	VV	922	11412	0.16%	0.008%
74	6.733	6.716	6.753	VV	1503	17535	0.25%	0.012%
75	6.766	6.753	6.775	VV	518	4390	0.06%	0.003%
76	6.790	6.775	6.816	VV	583	8069	0.12%	0.006%
77	6.838	6.816	6.852	VV	600	7828	0.11%	0.005%
78	6.887	6.852	6.901	VV	415	8580	0.12%	0.006%
79	6.908	6.901	6.927	VV	398	2725	0.04%	0.002%
80	6.954	6.927	6.967	PV	1169	15023	0.22%	0.010%
81	6.981	6.967	6.994	VV	4534	42925	0.61%	0.030%
82	7.006	6.994	7.028	VV	2103	31674	0.45%	0.022%
83	7.047	7.028	7.102	VV	10905	138968	1.99%	0.096%
84	7.139	7.102	7.174	VV	373824	3566626	51.10%	2.455%
85	7.185	7.174	7.210	VV	962	15265	0.22%	0.011%
86	7.224	7.210	7.233	VV	656	7212	0.10%	0.005%
87	7.241	7.233	7.258	VV	719	7897	0.11%	0.005%
88	7.277	7.258	7.283	VV	3227	30760	0.44%	0.021%
89	7.294	7.283	7.313	VV	4004	47824	0.69%	0.033%

					rteres			
90	7.329	7.313	7.342	VV	2206	27684	0.40%	0.019%
91	7.355	7.342	7.385	VV	1768	30586	0.44%	0.021%
92	7.403	7.385	7.416	VV	1839	21622	0.31%	0.015%
93	7.430	7.416	7.454	VV	2104	26840	0.38%	0.018%
94	7.478	7.454	7.486	VV	923	13083	0.19%	0.009%
95	7.498	7.486	7.508	VV	1130	12788	0.18%	0.009%
96	7.525	7.508	7.545	VV	1520	20523	0.29%	0.014%
97	7.550	7.545	7.566	VV	330	2861	0.04%	0.002%
98	7.573	7.566	7.583	VV	334	2712	0.04%	0.002%
99	7.589	7.583	7.598	VV	473	3009	0.04%	0.002%
100	7.607	7.598	7.627	VV	620	7106	0.10%	0.005%
101	7.634	7.627	7.639	VV	369	1829	0.03%	0.001%
102	7.648	7.639	7.653	VV	554	3387	0.05%	0.002%
103	7.660	7.653	7.678	VV	765	7078	0.10%	0.005%
104	7.694	7.678	7.713	VV	1607	19387	0.28%	0.013%
105	7.750	7.713	7.795	VV	582343	5522516	79.12%	3.801%
106	7.798	7.795	7.814	VV	439	3275	0.05%	0.002%
107	7.839	7.814	7.850	VV	1026	14467	0.21%	0.010%
108	7.859	7.850	7.878	VV	1073	12191	0.17%	0.008%
109	7.889	7.878	7.904	VV	541	6209	0.09%	0.004%
110	7.922	7.904	7.935	VV	434	5543	0.08%	0.004%
111	7.956	7.935	7.980	VV	695	8797	0.13%	0.006%
112	7.998	7.980	8.020	VV	1438	16945	0.24%	0.012%
113	8.024	8.020	8.039	VV	528	3926	0.06%	0.003%
114	8.055	8.039	8.072	VV	654	6657	0.10%	0.005%
115	8.090	8.072	8.100	VV	553	6456	0.09%	0.004%
116	8.111	8.100	8.120	VV	560	5383	0.08%	0.004%
117	8.127	8.120	8.160	VV	679	6990	0.10%	0.005%
118	8.209	8.160	8.218	VV	825	12473	0.18%	0.009%
119	8.233	8.218	8.246	VV	1728	18300	0.26%	0.013%
120	8.260	8.246	8.276	VV	1301	15762	0.23%	0.011%
121	8.301	8.276	8.328	VV	46557	480432	6.88%	0.331%
122	8.333	8.328	8.348	VV	567	4502	0.06%	0.003%
123	8.365	8.348	8.380	VV	1542	17224	0.25%	0.012%
124	8.419	8.380	8.479	VV	526435	5117568	73.32%	3.522%
125	8.493	8.479	8.498	VV	799	6861	0.10%	0.005%
126	8.506	8.498	8.522	VV	887	8811	0.13%	0.006%
127	8.534	8.522	8.551	VV	764	9141	0.13%	0.006%
128	8.557	8.551	8.573	VV	279	2537	0.04%	0.002%
129	8.615	8.573	8.642	VV	326991	3198495	45.82%	2.201%
130	8.668	8.642	8.684	VV	1332	22695	0.33%	0.016%
131	8.715	8.684	8.747	VV	514972	5110864	73.22%	3.517%
132	8.758	8.747	8.775	VV	1379	19606	0.28%	0.013%
133	8.789	8.775	8.803	VV	1424	18980	0.27%	0.013%
134	8.809	8.803	8.823	VV	1161	11265	0.16%	0.008%
135	8.838	8.823	8.847	VV	1373	15610	0.22%	0.011%
136	8.860	8.847	8.880	VV	1523	18625	0.27%	0.013%
137	8.903	8.880	8.918	VV	778	9934	0.14%	0.007%
138	8.926	8.918	8.938	VV	590	5187	0.07%	0.004%
139	8.952	8.938	8.968	VV	989	11132	0.16%	0.008%
140	8.981	8.968	8.997	VV	2099	22028	0.32%	0.015%
141	9.021	8.997	9.046	VV	54824	549418	7.87%	0.378%

					rterres			
142	9.054	9.046	9.089	VV	1434	24974	0.36%	0.017%
143	9.107	9.089	9.112	VV	2047	18983	0.27%	0.013%
144	9.115	9.112	9.127	VV	2051	15761	0.23%	0.011%
145	9.138	9.127	9.167	VV	2429	39988	0.57%	0.028%
146	9.174	9.167	9.194	VV	1521	15561	0.22%	0.011%
147	9.207	9.194	9.229	VV	707	8848	0.13%	0.006%
148	9.271	9.229	9.289	PV	830	12613	0.18%	0.009%
149	9.305	9.289	9.329	VV	1124	13388	0.19%	0.009%
150	9.343	9.329	9.352	VV	682	7231	0.10%	0.005%
151	9.358	9.352	9.380	VV	676	6713	0.10%	0.005%
152	9.386	9.380	9.390	VV	339	1682	0.02%	0.001%
153	9.407	9.390	9.436	VV	1309	21282	0.30%	0.015%
154	9.452	9.436	9.463	VV	549	6558	0.09%	0.005%
155	9.496	9.463	9.552	VV	591745	5970397	85.54%	4.109%
156	9.573	9.552	9.600	VV	1458	20706	0.30%	0.014%
157	9.625	9.600	9.633	VV	765	11002	0.16%	0.008%
158	9.640	9.633	9.653	VV	734	8296	0.12%	0.006%
159	9.666	9.653	9.685	VV	1413	19367	0.28%	0.013%
160	9.705	9.685	9.725	VV	9010	98873	1.42%	0.068%
161	9.736	9.725	9.745	VV	2074	18691	0.27%	0.013%
162	9.768	9.745	9.797	VV	83088	827439	11.85%	0.569%
163	9.812	9.797	9.850	VV	1459	25902	0.37%	0.018%
164	9.895	9.850	9.926	VV	51203	570081	8.17%	0.392%
165	9.935	9.926	9.954	VV	706	7462	0.11%	0.005%
166	9.974	9.954	9.987	VV	917	12495	0.18%	0.009%
167	10.000	9.987	10.048	VV	740	16000	0.23%	0.011%
168	10.065	10.048	10.070	VV	615	5260	0.08%	0.004%
169	10.092	10.070	10.119	VV	2497	29885	0.43%	0.021%
170	10.129	10.119	10.155	PV	193	2050	0.03%	0.001%
171	10.180	10.155	10.188	PV	450	4291	0.06%	0.003%
172	10.193	10.188	10.200	VV	179	1175	0.02%	0.001%
173	10.206	10.200	10.211	VV	316	1832	0.03%	0.001%
174	10.240	10.211	10.274	VV	4505	57701	0.83%	0.040%
175	10.288	10.274	10.308	VV	887	12318	0.18%	0.008%
176	10.339	10.308	10.359	VV	884	20028	0.29%	0.014%
177	10.369	10.359	10.390	VV	1103	14021	0.20%	0.010%
178	10.416	10.390	10.446	VV	1274	22242	0.32%	0.015%
179	10.451	10.446	10.457	VV	325	2062	0.03%	0.001%
180	10.487	10.457	10.514	VV	1046	23290	0.33%	0.016%
181	10.537	10.514	10.568	VV	2487	39502	0.57%	0.027%
182	10.576	10.568	10.580	VV	770	5090	0.07%	0.004%
183	10.586	10.580	10.603	VV	948	9673	0.14%	0.007%
184	10.628	10.603	10.643	VV	1841	28365	0.41%	0.020%
185	10.654	10.643	10.664	VV	1605	16983	0.24%	0.012%
186	10.683	10.664	10.728	VV	11874	183093	2.62%	0.126%
187	10.764	10.728	10.782	VV	1225	26043	0.37%	0.018%
188	10.789	10.782	10.810	VV	908	10246	0.15%	0.007%
189	10.857	10.810	10.865	VV	3981	53012	0.76%	0.036%
190	10.895	10.865	10.933	VV	606745	6476751	92.79%	4.457%
191	10.970	10.933	11.012	VV	595420	6214362	89.03%	4.277%
192	11.041	11.012	11.079	VV	1362	33222	0.48%	0.023%
193	11.084	11.079	11.116	VV	696	8349	0.12%	0.006%
194	11.135	11.116	11.148	VV	356	4196	0.06%	0.003%

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195	11.171	11.148	11.217	VV	5927	68245	0.98%	0.047%
196	11.224	11.217	11.230	VV	333	1966	0.03%	0.001%
197	11.236	11.230	11.240	VV	397	2199	0.03%	0.002%
198	11.265	11.240	11.282	VV	694	13476	0.19%	0.009%
199	11.291	11.282	11.298	VV	548	4176	0.06%	0.003%
200	11.332	11.298	11.359	VV	53254	589693	8.45%	0.406%
201	11.407	11.359	11.454	VV	1241	40246	0.58%	0.028%
202	11.490	11.463	11.506	VV	1292	17566	0.25%	0.012%
203	11.533	11.506	11.538	VV	720	8453	0.12%	0.006%
204	11.542	11.538	11.563	VV	637	4222	0.06%	0.003%
205	11.576	11.563	11.592	VV	718	6833	0.10%	0.005%
206	11.658	11.592	11.682	PV	512741	5516751	79.04%	3.797%
207	11.689	11.682	11.703	VV	3620	32113	0.46%	0.022%
208	11.719	11.703	11.740	VV	4817	57323	0.82%	0.039%
209	11.757	11.740	11.767	VV	1060	15454	0.22%	0.011%
210	11.784	11.767	11.795	VV	2540	32292	0.46%	0.022%
211	11.805	11.795	11.823	VV	3023	43965	0.63%	0.030%
212	11.836	11.823	11.852	VV	3922	44445	0.64%	0.031%
213	11.867	11.852	11.897	VV	3821	45537	0.65%	0.031%
214	11.906	11.897	11.912	VV	456	2353	0.03%	0.002%
215	11.931	11.912	11.958	VV	1530	22019	0.32%	0.015%
216	11.999	11.958	12.016	VV	1409	30334	0.43%	0.021%
217	12.049	12.016	12.080	VV	9373	147340	2.11%	0.101%
218	12.093	12.080	12.114	VV	1259	15754	0.23%	0.011%
219	12.158	12.114	12.175	PV	2836	41319	0.59%	0.028%
220	12.218	12.175	12.225	VV	1524	34797	0.50%	0.024%
221	12.253	12.225	12.353	VV	156944	2151951	30.83%	1.481%
222	12.357	12.353	12.373	VV	3461	37701	0.54%	0.026%
223	12.383	12.373	12.395	VV	3035	36716	0.53%	0.025%
224	12.404	12.395	12.421	VV	3050	44009	0.63%	0.030%
225	12.426	12.421	12.445	VV	2609	32599	0.47%	0.022%
226	12.478	12.445	12.520	VV	4721	136631	1.96%	0.094%
227	12.533	12.520	12.555	VV	3055	46203	0.66%	0.032%
228	12.584	12.555	12.604	VV	5125	86949	1.25%	0.060%
229	12.636	12.604	12.672	VV	57441	729316	10.45%	0.502%
230	12.709	12.672	12.783	VV	614120	6979819	100.00%	4.803%
231	12.801	12.783	12.813	VV	765	10721	0.15%	0.007%
232	12.839	12.813	12.847	VV	1355	20505	0.29%	0.014%
233	12.859	12.847	12.867	VV	1409	14999	0.21%	0.010%
234	12.888	12.867	12.932	VV	8097	121463	1.74%	0.084%
235	12.936	12.932	12.953	VV	1074	11058	0.16%	0.008%
236	12.957	12.953	12.967	VV	833	5869	0.08%	0.004%
237	13.008	12.967	13.034	VV	580090	6710982	96.15%	4.618%
238	13.080	13.034	13.113	VV	65170	872456	12.50%	0.600%
239	13.134	13.113	13.143	VV	1321	20254	0.29%	0.014%
240	13.148	13.143	13.156	VV	1383	9115	0.13%	0.006%
241	13.170	13.156	13.193	VV	1770	26495	0.38%	0.018%
242	13.200	13.193	13.219	VV	638	7538	0.11%	0.005%
243	13.245	13.219	13.278	VV	49650	620982	8.90%	0.427%
244	13.298	13.278	13.317	VV	5429	70806	1.01%	0.049%
245	13.329	13.317	13.348	VV	1417	18653	0.27%	0.013%
246	13.391	13.348	13.407	VV	2760	62049	0.89%	0.043%

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247	13.419	13.407	13.432	VV	2459	33591	0.48%	0.023%
248	13.477	13.432	13.508	VV	53076	725674	10.40%	0.499%
249	13.527	13.508	13.556	VV	15750	270388	3.87%	0.186%
250	13.581	13.556	13.635	VV	7500	193644	2.77%	0.133%
251	13.650	13.635	13.672	VV	2709	47788	0.68%	0.033%
252	13.694	13.672	13.713	VV	3446	67225	0.96%	0.046%
253	13.729	13.713	13.749	VV	4054	60247	0.86%	0.041%
254	13.781	13.749	13.802	VV	5123	93634	1.34%	0.064%
255	13.830	13.802	13.880	VV	51609	695353	9.96%	0.479%
256	13.900	13.880	13.915	VV	3332	45138	0.65%	0.031%
257	13.939	13.915	13.964	VV	18950	236932	3.39%	0.163%
258	13.971	13.964	13.990	VV	1199	14338	0.21%	0.010%
259	14.006	13.990	14.024	VV	822	12689	0.18%	0.009%
260	14.060	14.024	14.100	VV	1159	32944	0.47%	0.023%
261	14.108	14.100	14.130	VV	731	7638	0.11%	0.005%
262	14.133	14.130	14.150	VV	345	3071	0.04%	0.002%
263	14.164	14.150	14.177	VV	676	8387	0.12%	0.006%
264	14.180	14.177	14.184	VV	499	2202	0.03%	0.002%
265	14.190	14.184	14.208	VV	647	6456	0.09%	0.004%
266	14.221	14.208	14.231	VV	799	8561	0.12%	0.006%
267	14.267	14.231	14.292	VV	2624	56592	0.81%	0.039%
268	14.311	14.292	14.345	VV	4301	65705	0.94%	0.045%
269	14.361	14.345	14.370	VV	767	9590	0.14%	0.007%
270	14.393	14.370	14.405	VV	1176	19733	0.28%	0.014%
271	14.414	14.405	14.446	VV	1368	23609	0.34%	0.016%
272	14.493	14.446	14.516	VV	2813	72750	1.04%	0.050%
273	14.524	14.516	14.535	VV	1181	12668	0.18%	0.009%
274	14.557	14.535	14.577	VV	5562	68945	0.99%	0.047%
275	14.613	14.577	14.649	VV	3464	63450	0.91%	0.044%
276	14.679	14.649	14.703	VV	1036	23165	0.33%	0.016%
277	14.721	14.703	14.727	VV	1164	14406	0.21%	0.010%
278	14.766	14.727	14.807	VV	14875	202704	2.90%	0.139%
279	14.812	14.807	14.833	VV	699	7420	0.11%	0.005%
280	14.877	14.833	14.896	VV	495854	6268513	89.81%	4.314%
281	14.922	14.896	14.989	VV	579672	6812334	97.60%	4.688%
282	15.027	14.989	15.080	VV	3074	68945	0.99%	0.047%
283	15.104	15.080	15.141	VV	1361	28551	0.41%	0.020%
284	15.168	15.141	15.176	PV	1568	17984	0.26%	0.012%
285	15.181	15.176	15.197	VV	1208	13444	0.19%	0.009%
286	15.203	15.197	15.258	VV	1186	26940	0.39%	0.019%
287	15.308	15.258	15.412	VV	14201	372275	5.33%	0.256%
288	15.415	15.412	15.427	VV	679	5610	0.08%	0.004%
289	15.467	15.427	15.488	VV	7891	119742	1.72%	0.082%
290	15.494	15.488	15.500	VV	1573	10040	0.14%	0.007%
291	15.502	15.500	15.516	VV	1500	12647	0.18%	0.009%
292	15.536	15.516	15.558	VV	4417	59358	0.85%	0.041%
293	15.574	15.558	15.601	VV	2313	31799	0.46%	0.022%
294	15.618	15.601	15.625	VV	948	10745	0.15%	0.007%
295	15.674	15.625	15.690	VV	2337	55494	0.80%	0.038%
296	15.698	15.690	15.731	VV	2161	33206	0.48%	0.023%
297	15.736	15.731	15.741	VV	521	2343	0.03%	0.002%
298	15.745	15.741	15.754	VV	444	3554	0.05%	0.002%
299	15.778	15.754	15.806	VV	2652	40381	0.58%	0.028%

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300	15.816	15.806	15.832	VV	722	8213	0.12%	0.006%
301	15.857	15.832	15.871	VV	1314	19386	0.28%	0.013%
302	15.887	15.871	15.914	VV	1093	21895	0.31%	0.015%
303	15.947	15.914	15.990	VV	44795	579960	8.31%	0.399%
304	16.006	15.990	16.024	VV	723	9104	0.13%	0.006%
305	16.038	16.024	16.058	VV	310	2813	0.04%	0.002%
306	16.064	16.058	16.095	VV	270	3242	0.05%	0.002%
307	16.145	16.095	16.189	VV	1614	36428	0.52%	0.025%
308	16.201	16.189	16.219	PV	591	7027	0.10%	0.005%
309	16.250	16.219	16.269	VV	881	16857	0.24%	0.012%
310	16.285	16.269	16.300	VV	631	8257	0.12%	0.006%
311	16.345	16.300	16.378	VV	3025	74811	1.07%	0.051%
312	16.428	16.378	16.443	VV	429509	6023826	86.30%	4.146%
313	16.463	16.443	16.487	VV	501851	5860145	83.96%	4.033%
314	16.509	16.487	16.532	VV	8692	116510	1.67%	0.080%
315	16.553	16.532	16.579	VV	4228	67603	0.97%	0.047%
316	16.583	16.579	16.638	VV	1317	24117	0.35%	0.017%
317	16.669	16.638	16.689	VV	3267	43911	0.63%	0.030%
318	16.738	16.689	16.767	VV	11355	186960	2.68%	0.129%
319	16.809	16.767	16.839	VV	431780	5617329	80.48%	3.866%
320	16.892	16.839	16.927	VV	48913	688322	9.86%	0.474%
321	16.944	16.927	16.957	VV	1862	27473	0.39%	0.019%
322	16.965	16.957	16.988	VV	1462	19986	0.29%	0.014%
323	17.007	16.988	17.015	VV	779	11074	0.16%	0.008%
324	17.036	17.015	17.087	VV	1197	33509	0.48%	0.023%
325	17.097	17.087	17.122	VV	663	8725	0.12%	0.006%
326	17.161	17.122	17.197	VV	1559	43298	0.62%	0.030%
327	17.200	17.197	17.229	VV	749	7015	0.10%	0.005%
328	17.292	17.229	17.307	PV	2411	58368	0.84%	0.040%
329	17.317	17.307	17.324	VV	1898	17991	0.26%	0.012%
330	17.335	17.324	17.357	VV	1968	30834	0.44%	0.021%
331	17.374	17.357	17.399	VV	1445	22983	0.33%	0.016%
332	17.408	17.399	17.421	VV	644	8419	0.12%	0.006%
333	17.449	17.421	17.475	VV	1554	33214	0.48%	0.023%
334	17.493	17.475	17.509	VV	838	12785	0.18%	0.009%
335	17.514	17.509	17.524	VV	520	4375	0.06%	0.003%
336	17.537	17.524	17.549	VV	585	7156	0.10%	0.005%
337	17.567	17.549	17.595	VV	617	10904	0.16%	0.008%
338	17.599	17.595	17.602	VV	383	1217	0.02%	0.001%
339	17.605	17.602	17.611	VV	305	1174	0.02%	0.001%
340	17.638	17.611	17.652	VV	690	11128	0.16%	0.008%
341	17.672	17.652	17.685	VV	649	9065	0.13%	0.006%
342	17.738	17.685	17.744	VV	1686	30620	0.44%	0.021%
343	17.776	17.744	17.808	VV	40024	545370	7.81%	0.375%
344	17.839	17.808	17.845	VV	940	14991	0.21%	0.010%
345	17.864	17.845	17.878	VV	1895	28598	0.41%	0.020%
346	17.887	17.878	17.906	VV	1481	17940	0.26%	0.012%
347	17.926	17.906	17.935	VV	1366	17984	0.26%	0.012%
348	17.940	17.935	17.978	VV	1313	22523	0.32%	0.016%
349	18.012	17.978	18.037	VV	1214	25035	0.36%	0.017%
350	18.069	18.037	18.103	VV	2975	58145	0.83%	0.040%
351	18.174	18.103	18.189	VV	410783	6013271	86.15%	4.138%

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352	18.213	18.189	18.273	VV	424330	5511679	78.97%	3.793%
353	18.295	18.273	18.310	VV	3260	46873	0.67%	0.032%
354	18.327	18.310	18.354	VV	3043	52259	0.75%	0.036%
355	18.356	18.354	18.362	VV	1099	5141	0.07%	0.004%
356	18.373	18.362	18.378	VV	995	8935	0.13%	0.006%
357	18.432	18.378	18.479	VV	385009	5598326	80.21%	3.853%
358	18.496	18.479	18.518	VV	1363	25474	0.36%	0.018%
359	18.542	18.518	18.563	VV	2838	45538	0.65%	0.031%
360	18.604	18.563	18.639	VV	37076	545799	7.82%	0.376%
361	18.643	18.639	18.667	VV	1310	16323	0.23%	0.011%
362	18.702	18.667	18.737	VV	2432	69697	1.00%	0.048%
363	18.754	18.737	18.794	VV	1604	50663	0.73%	0.035%
364	18.803	18.794	18.815	VV	1571	18147	0.26%	0.012%
365	18.840	18.815	18.857	VV	1895	38314	0.55%	0.026%
366	18.881	18.857	18.899	VV	1795	39864	0.57%	0.027%
367	18.924	18.899	18.930	VV	1878	30614	0.44%	0.021%
368	18.934	18.930	18.938	VV	1909	8619	0.12%	0.006%
369	18.970	18.938	19.070	VV	7890	343041	4.91%	0.236%
370	19.087	19.070	19.093	VV	2746	35101	0.50%	0.024%
371	19.098	19.093	19.121	VV	2902	41589	0.60%	0.029%
372	19.130	19.121	19.142	VV	2210	26998	0.39%	0.019%
373	19.147	19.142	19.156	VV	2052	17245	0.25%	0.012%
374	19.198	19.156	19.220	VV	2824	86032	1.23%	0.059%
375	19.260	19.220	19.281	VV	2492	82790	1.19%	0.057%
376	19.289	19.281	19.310	VV	2376	39914	0.57%	0.027%
377	19.330	19.310	19.336	VV	2341	34718	0.50%	0.024%
378	19.383	19.336	19.416	VV	39314	657215	9.42%	0.452%
379	19.424	19.416	19.435	VV	2843	30872	0.44%	0.021%
380	19.449	19.435	19.461	VV	2939	43875	0.63%	0.030%
381	19.490	19.461	19.520	VV	4331	115745	1.66%	0.080%
382	19.559	19.520	19.584	VV	7029	173241	2.48%	0.119%
383	19.623	19.584	19.654	VV	6158	195317	2.80%	0.134%
384	19.680	19.654	19.698	VV	4800	116985	1.68%	0.081%
385	19.753	19.698	19.785	VV	5978	251047	3.60%	0.173%
386	19.800	19.785	19.820	VV	4376	89225	1.28%	0.061%
387	19.839	19.820	19.870	VV	4744	129615	1.86%	0.089%
388	19.875	19.870	19.880	VV	4104	23125	0.33%	0.016%
389	19.933	19.880	19.965	VV	8353	308300	4.42%	0.212%
390	20.026	19.965	20.051	VV	7957	326261	4.67%	0.225%
391	20.077	20.051	20.089	VV	6500	138994	1.99%	0.096%
392	20.120	20.089	20.154	VV	37054	667500	9.56%	0.459%
393	20.199	20.154	20.203	VV	6423	186063	2.67%	0.128%
394	20.207	20.203	20.216	VV	6447	46314	0.66%	0.032%
395	20.262	20.216	20.276	VV	10255	290167	4.16%	0.200%
396	20.286	20.276	20.325	VV	9536	228905	3.28%	0.158%
397	20.367	20.325	20.381	VV	7193	235140	3.37%	0.162%
398	20.409	20.381	20.420	VV	7438	168212	2.41%	0.116%
399	20.469	20.420	20.495	VV	8106	349318	5.00%	0.240%
400	20.533	20.495	20.555	VV	7746	274009	3.93%	0.189%
401	20.564	20.555	20.595	VV	7788	182780	2.62%	0.126%
402	20.598	20.595	20.608	VV	7574	59180	0.85%	0.041%
403	20.620	20.608	20.632	VV	7499	103670	1.49%	0.071%
404	20.651	20.632	20.660	VV	7491	125544	1.80%	0.086%

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405	20.664	20.660	20.700	VV	7516	169791	2.43%	0.117%
406	20.704	20.700	20.709	VV	6927	33945	0.49%	0.023%
407	20.714	20.709	20.727	VV	6951	76022	1.09%	0.052%
408	20.736	20.727	20.745	VV	6973	71833	1.03%	0.049%
409	20.752	20.745	20.764	VV	6857	78901	1.13%	0.054%
410	20.770	20.764	20.780	VV	6859	63035	0.90%	0.043%
411	20.788	20.780	20.808	VV	6634	108454	1.55%	0.075%
412	20.857	20.808	20.899	VV	31796	771335	11.05%	0.531%
413	20.904	20.899	20.907	VV	5840	28151	0.40%	0.019%
414	20.915	20.907	20.927	VV	6076	72804	1.04%	0.050%
415	20.930	20.927	20.950	VV	6279	86031	1.23%	0.059%
416	20.962	20.950	21.021	VV	6374	241350	3.46%	0.166%
417	21.035	21.021	21.067	VV	5333	141234	2.02%	0.097%
418	21.112	21.067	21.133	VV	5110	193575	2.77%	0.133%
419	21.150	21.133	21.161	VV	5139	81185	1.16%	0.056%
420	21.165	21.161	21.190	VV	4946	83746	1.20%	0.058%
421	21.195	21.190	21.212	VV	4600	57281	0.82%	0.039%
422	21.215	21.212	21.250	VV	4578	100337	1.44%	0.069%
423	21.276	21.250	21.281	VV	5062	88500	1.27%	0.061%
424	21.303	21.281	21.344	VV	5284	178447	2.56%	0.123%
425	21.350	21.344	21.399	VV	4318	131229	1.88%	0.090%
426	21.405	21.399	21.423	VV	3665	50540	0.72%	0.035%
427	21.428	21.423	21.443	VV	3537	40846	0.59%	0.028%
428	21.465	21.443	21.474	VV	3650	65844	0.94%	0.045%
429	21.478	21.474	21.502	VV	3613	54710	0.78%	0.038%
430	21.521	21.502	21.558	VV	3557	108150	1.55%	0.074%
431	21.565	21.558	21.571	VV	2887	23335	0.33%	0.016%
432	21.606	21.571	21.658	VV	3614	152702	2.19%	0.105%
433	21.686	21.658	21.724	VV	3486	107607	1.54%	0.074%
434	21.778	21.724	21.850	VV	20718	580008	8.31%	0.399%
435	21.853	21.850	21.858	VV	1855	8650	0.12%	0.006%
436	21.865	21.858	21.872	VV	1696	13325	0.19%	0.009%
437	21.878	21.872	21.895	VV	1813	22839	0.33%	0.016%
438	21.916	21.895	21.932	VV	1719	35508	0.51%	0.024%
439	21.969	21.932	21.977	VV	1824	44343	0.64%	0.031%
440	21.990	21.977	22.018	VV	1874	38952	0.56%	0.027%
441	22.026	22.018	22.034	VV	1224	10928	0.16%	0.008%
442	22.046	22.034	22.074	VV	1375	26905	0.39%	0.019%
443	22.082	22.074	22.108	VV	954	17007	0.24%	0.012%
444	22.112	22.108	22.146	VV	678	10389	0.15%	0.007%
445	22.171	22.146	22.177	VV	499	6349	0.09%	0.004%
446	22.182	22.177	22.195	VV	441	3094	0.04%	0.002%
Sum of corrected areas:					145307937			

Aromatic EPH 040725.M Fri Apr 11 01:42:09 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049277.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 19:45
 Operator : YP/AJ
 Sample : Q1746-01MSD
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-149-SB01MSD

Integration File: autoint1.e
 Quant Time: Apr 11 01:05:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 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...	7.749	5402290	36.469 ug/ml
Spiked Amount 50.000		Recovery =	72.94%
6) S 2-Fluorobiphenyl (SURR)	8.615	3125160	30.638 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	61.28%
11) S ortho-Terphenyl (SURR)	11.657	5397335	30.635 ug/ml
Spiked Amount 50.000		Recovery =	61.27%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.541	2191469	14.624 ug/ml
2) T Naphthalene (C11.7)	6.085	3107334	18.978 ug/ml
3) T 2-Methylnaphthalene (...)	7.139	3471583	21.463 ug/ml
5) T Acenaphthylene (C15.06)	8.419	4992986	28.267 ug/ml
7) T Acenaphthene (C15.5)	8.715	4962706	28.805 ug/ml
8) T Fluorene (C16.55)	9.496	5818239	33.365 ug/ml
9) T Phenanthrene (C19.36)	10.894	6340780	36.948 ug/ml
10) T Anthracene (C19.43)	10.970	6087215	38.748 ug/ml
12) T Fluoranthene (C21.85)	12.709	6875608	40.677 ug/ml
13) T Pyrene (C20.8)	13.008	6637585	39.576 ug/ml
14) T Benzo[a]anthracene (C...	14.878	6247616	43.463 ug/ml
15) T Chrysene (C27.41)	14.923	6757556	46.832 ug/ml
16) T benzo[b]fluoranthene ...	16.428	5992863	43.076 ug/ml
17) T Bnezo[k]fluoranthene ...	16.464	5821762	42.567 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.808	5577777	42.894 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.174	5942171	48.202 ug/ml
20) T Dibenz[a,h]anthracene...	18.212	5441286	43.032 ug/ml
21) T Benzo[g,h,i]perylene ...	18.432	5514184	42.238 ug/ml

(f)=RT Delta > 1/2 Window

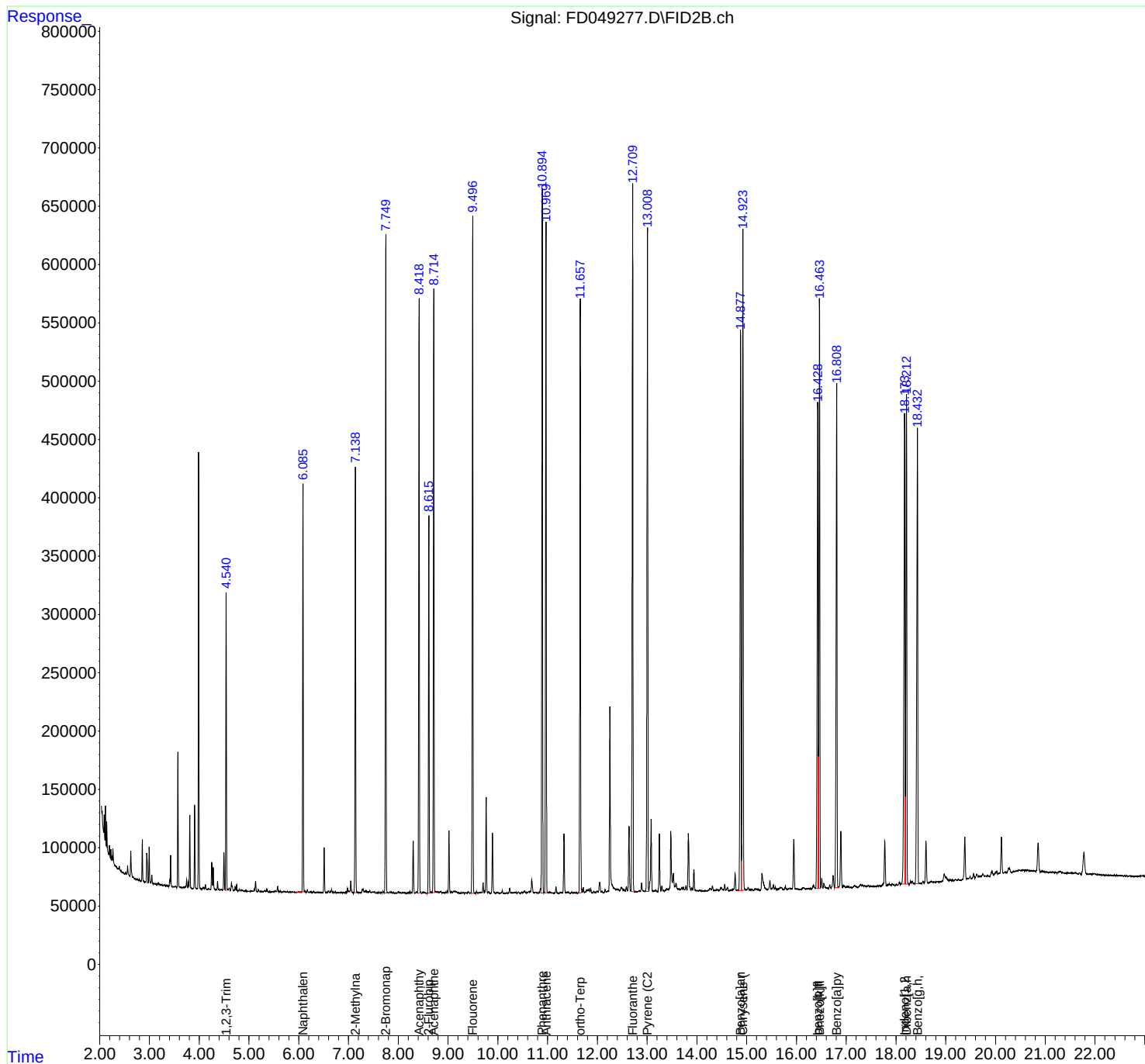
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
Data File : FD049277.D
Signal(s) : FID2B.ch
Acq On : 10 Apr 2025 19:45
Operator : YP/AJ
Sample : Q1746-01MSD
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-149-SB01MSD

Integration File: autoint1.e
Quant Time: Apr 11 01:05:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041025AR\
 Data File : FD049277.D
 Signal(s) : FID2B.ch
 Acq On : 10 Apr 2025 19:45
 Sample : Q1746-01MSD
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.072	4.042	4.085	BV	1489	11893	0.17%	0.008%
2	4.098	4.085	4.112	VV	1422	13595	0.20%	0.009%
3	4.125	4.112	4.157	VV	3910	35286	0.51%	0.025%
4	4.164	4.157	4.179	PV	290	1438	0.02%	0.001%
5	4.193	4.179	4.217	VV	472	5959	0.09%	0.004%
6	4.252	4.217	4.269	VV	23490	255301	3.69%	0.178%
7	4.283	4.269	4.333	VV	19067	178257	2.58%	0.124%
8	4.342	4.333	4.352	PV	339	2177	0.03%	0.002%
9	4.369	4.352	4.387	VV	7738	63527	0.92%	0.044%
10	4.392	4.387	4.437	VV	601	9748	0.14%	0.007%
11	4.455	4.437	4.474	VV	571	8244	0.12%	0.006%
12	4.497	4.474	4.518	VV	32630	292312	4.23%	0.203%
13	4.541	4.518	4.578	VV	255261	2201519	31.86%	1.532%
14	4.604	4.578	4.626	VV	2222	35587	0.52%	0.025%
15	4.648	4.626	4.660	VV	6859	71628	1.04%	0.050%
16	4.665	4.660	4.692	VV	3940	34036	0.49%	0.024%
17	4.699	4.692	4.705	VV	431	2415	0.03%	0.002%
18	4.721	4.705	4.737	VV	3443	34479	0.50%	0.024%
19	4.751	4.737	4.774	VV	5444	52255	0.76%	0.036%
20	4.804	4.774	4.823	VV	1517	18037	0.26%	0.013%
21	4.839	4.823	4.861	PV	1508	18323	0.27%	0.013%
22	4.867	4.861	4.904	VV	782	11210	0.16%	0.008%
23	4.908	4.904	4.912	VV	321	1224	0.02%	0.001%
24	4.916	4.912	4.925	VV	383	2305	0.03%	0.002%
25	4.940	4.925	4.960	VV	748	8321	0.12%	0.006%
26	4.969	4.960	4.987	VV	313	2035	0.03%	0.001%
27	5.003	4.996	5.014	VV	269	1923	0.03%	0.001%
28	5.022	5.014	5.029	VV	213	1470	0.02%	0.001%
29	5.033	5.029	5.041	VV	291	1762	0.03%	0.001%
30	5.059	5.041	5.081	VV	654	11127	0.16%	0.008%
31	5.106	5.081	5.117	VV	2579	27799	0.40%	0.019%
32	5.133	5.117	5.167	VV	9196	102408	1.48%	0.071%
33	5.189	5.167	5.216	VV	2021	26206	0.38%	0.018%
34	5.220	5.216	5.232	VV	643	4080	0.06%	0.003%
35	5.247	5.232	5.270	VV	633	9200	0.13%	0.006%
36	5.286	5.270	5.290	VV	441	3699	0.05%	0.003%

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37	5.324	5.290	5.339	VV	1215	25143	0.36%	0.017%
38	5.359	5.339	5.387	VV	3054	38770	0.56%	0.027%
39	5.425	5.387	5.446	PV	716	17451	0.25%	0.012%
40	5.456	5.446	5.473	VV	623	8313	0.12%	0.006%
41	5.478	5.473	5.490	VV	581	5419	0.08%	0.004%
42	5.500	5.490	5.517	VV	956	12101	0.18%	0.008%
43	5.533	5.517	5.551	VV	1650	21131	0.31%	0.015%
44	5.575	5.551	5.606	VV	5144	67821	0.98%	0.047%
45	5.629	5.606	5.674	VV	1437	28609	0.41%	0.020%
46	5.695	5.674	5.751	VV	940	28625	0.41%	0.020%
47	5.775	5.751	5.810	VV	963	17027	0.25%	0.012%
48	5.830	5.810	5.844	VV	680	9820	0.14%	0.007%
49	5.874	5.844	5.906	VV	638	16846	0.24%	0.012%
50	5.913	5.906	5.949	VV	451	8691	0.13%	0.006%
51	5.977	5.949	5.992	VV	612	10469	0.15%	0.007%
52	5.994	5.992	6.009	VV	550	4359	0.06%	0.003%
53	6.019	6.009	6.027	VV	526	3971	0.06%	0.003%
54	6.035	6.027	6.045	VV	608	4617	0.07%	0.003%
55	6.085	6.045	6.120	VV	349656	3144806	45.51%	2.188%
56	6.130	6.120	6.153	VV	1401	17574	0.25%	0.012%
57	6.173	6.153	6.199	VV	2550	30586	0.44%	0.021%
58	6.231	6.199	6.244	VV	794	13961	0.20%	0.010%
59	6.248	6.244	6.272	VV	624	4927	0.07%	0.003%
60	6.307	6.272	6.334	VV	915	17790	0.26%	0.012%
61	6.337	6.334	6.346	VV	245	1452	0.02%	0.001%
62	6.364	6.346	6.384	VV	857	10601	0.15%	0.007%
63	6.396	6.384	6.415	VV	467	5103	0.07%	0.004%
64	6.430	6.415	6.462	VV	354	5267	0.08%	0.004%
65	6.471	6.462	6.484	PV	126	1482	0.02%	0.001%
66	6.511	6.484	6.543	VV	38962	377705	5.47%	0.263%
67	6.555	6.543	6.569	VV	460	4878	0.07%	0.003%
68	6.595	6.569	6.618	VV	1808	25029	0.36%	0.017%
69	6.630	6.618	6.644	VV	1114	11818	0.17%	0.008%
70	6.661	6.644	6.684	VV	2831	32098	0.46%	0.022%
71	6.694	6.684	6.713	VV	1002	10860	0.16%	0.008%
72	6.733	6.713	6.758	VV	1442	16565	0.24%	0.012%
73	6.771	6.758	6.795	VV	248	4251	0.06%	0.003%
74	6.803	6.795	6.819	VV	279	2251	0.03%	0.002%
75	6.827	6.819	6.835	VV	372	2026	0.03%	0.001%
76	6.838	6.835	6.851	VV	305	1942	0.03%	0.001%
77	6.871	6.851	6.880	VV	361	3423	0.05%	0.002%
78	6.887	6.880	6.900	VV	526	3327	0.05%	0.002%
79	6.907	6.900	6.931	VV	398	4709	0.07%	0.003%
80	6.953	6.931	6.965	VV	1360	14418	0.21%	0.010%
81	6.980	6.965	6.995	VV	4346	40008	0.58%	0.028%
82	7.006	6.995	7.023	VV	1922	23875	0.35%	0.017%
83	7.046	7.023	7.102	VV	10463	127751	1.85%	0.089%
84	7.139	7.102	7.177	VV	365155	3488574	50.49%	2.427%
85	7.184	7.177	7.205	VV	844	10173	0.15%	0.007%
86	7.215	7.205	7.229	VV	514	6092	0.09%	0.004%
87	7.241	7.229	7.254	VV	548	5713	0.08%	0.004%
88	7.276	7.254	7.282	VV	3093	28473	0.41%	0.020%
89	7.294	7.282	7.312	VV	3694	44996	0.65%	0.031%

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90	7.330	7.312	7.342	VV	2080	26349	0.38%	0.018%
91	7.354	7.342	7.388	VV	1920	30480	0.44%	0.021%
92	7.402	7.388	7.414	VV	1552	16980	0.25%	0.012%
93	7.430	7.414	7.454	VV	2006	26630	0.39%	0.019%
94	7.472	7.454	7.482	VV	889	11914	0.17%	0.008%
95	7.498	7.482	7.510	VV	1101	15060	0.22%	0.010%
96	7.524	7.510	7.566	VV	1656	22312	0.32%	0.016%
97	7.580	7.566	7.597	VV	506	6134	0.09%	0.004%
98	7.613	7.597	7.625	VV	765	7971	0.12%	0.006%
99	7.630	7.625	7.634	VV	459	1980	0.03%	0.001%
100	7.660	7.634	7.678	VV	728	14495	0.21%	0.010%
101	7.694	7.678	7.712	VV	1888	21774	0.32%	0.015%
102	7.749	7.712	7.800	VV	565900	5412187	78.33%	3.766%
103	7.804	7.800	7.812	VV	434	2308	0.03%	0.002%
104	7.833	7.812	7.849	VV	1187	16820	0.24%	0.012%
105	7.859	7.849	7.876	VV	1248	12278	0.18%	0.009%
106	7.883	7.876	7.902	VV	534	5702	0.08%	0.004%
107	7.917	7.902	7.935	VV	498	4992	0.07%	0.003%
108	7.958	7.935	7.974	VV	442	6288	0.09%	0.004%
109	7.997	7.974	8.040	VV	1537	27007	0.39%	0.019%
110	8.055	8.040	8.072	VV	610	7646	0.11%	0.005%
111	8.085	8.072	8.100	VV	611	7792	0.11%	0.005%
112	8.114	8.100	8.121	VV	739	7805	0.11%	0.005%
113	8.126	8.121	8.169	VV	720	9520	0.14%	0.007%
114	8.200	8.169	8.217	PV	684	12303	0.18%	0.009%
115	8.232	8.217	8.245	VV	1765	19094	0.28%	0.013%
116	8.258	8.245	8.274	VV	1221	14101	0.20%	0.010%
117	8.300	8.274	8.327	VV	44869	471776	6.83%	0.328%
118	8.334	8.327	8.343	VV	427	3216	0.05%	0.002%
119	8.364	8.343	8.379	VV	1632	18217	0.26%	0.013%
120	8.419	8.379	8.475	VV	510073	5002227	72.39%	3.481%
121	8.499	8.475	8.522	VV	1025	17395	0.25%	0.012%
122	8.536	8.522	8.557	VV	829	11103	0.16%	0.008%
123	8.562	8.557	8.577	VV	266	2184	0.03%	0.002%
124	8.615	8.577	8.655	VV	323963	3138040	45.41%	2.183%
125	8.666	8.655	8.681	VV	1332	14467	0.21%	0.010%
126	8.715	8.681	8.744	VV	519156	4988204	72.19%	3.471%
127	8.760	8.744	8.775	VV	1568	22807	0.33%	0.016%
128	8.788	8.775	8.804	VV	1385	19299	0.28%	0.013%
129	8.810	8.804	8.817	VV	1131	8134	0.12%	0.006%
130	8.819	8.817	8.822	VV	1037	3005	0.04%	0.002%
131	8.838	8.822	8.843	VV	1348	14958	0.22%	0.010%
132	8.858	8.843	8.880	VV	1583	22309	0.32%	0.016%
133	8.904	8.880	8.918	VV	783	12181	0.18%	0.008%
134	8.925	8.918	8.937	VV	616	5197	0.08%	0.004%
135	8.951	8.937	8.964	VV	860	10832	0.16%	0.008%
136	8.981	8.964	8.997	VV	2390	25810	0.37%	0.018%
137	9.020	8.997	9.043	VV	53729	541239	7.83%	0.377%
138	9.055	9.043	9.068	VV	1723	20906	0.30%	0.015%
139	9.073	9.068	9.088	VV	1224	11179	0.16%	0.008%
140	9.108	9.088	9.127	VV	1993	35279	0.51%	0.025%
141	9.142	9.127	9.164	VV	2227	37377	0.54%	0.026%

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142	9.173	9.164	9.191	VV	1485	16576	0.24%	0.012%
143	9.208	9.191	9.229	VV	706	8546	0.12%	0.006%
144	9.270	9.229	9.287	VV	769	13133	0.19%	0.009%
145	9.306	9.287	9.329	VV	1057	12557	0.18%	0.009%
146	9.344	9.329	9.349	PV	651	4432	0.06%	0.003%
147	9.353	9.349	9.379	VV	646	7617	0.11%	0.005%
148	9.408	9.379	9.437	VV	1356	26429	0.38%	0.018%
149	9.456	9.437	9.462	VV	619	6829	0.10%	0.005%
150	9.496	9.462	9.545	VV	576835	5829034	84.36%	4.056%
151	9.571	9.545	9.603	VV	1376	24989	0.36%	0.017%
152	9.624	9.603	9.633	VV	770	10867	0.16%	0.008%
153	9.664	9.633	9.670	VV	1267	19456	0.28%	0.014%
154	9.671	9.670	9.685	VV	1182	8337	0.12%	0.006%
155	9.705	9.685	9.727	VV	8937	98548	1.43%	0.069%
156	9.738	9.727	9.745	VV	1856	16564	0.24%	0.012%
157	9.767	9.745	9.795	VV	82658	810423	11.73%	0.564%
158	9.814	9.795	9.844	VV	1472	25083	0.36%	0.017%
159	9.849	9.844	9.856	VV	320	1789	0.03%	0.001%
160	9.895	9.856	9.926	VV	51929	559642	8.10%	0.389%
161	9.936	9.926	9.955	VV	713	7793	0.11%	0.005%
162	9.975	9.955	9.990	VV	920	11874	0.17%	0.008%
163	9.999	9.990	10.033	VV	639	10470	0.15%	0.007%
164	10.051	10.033	10.057	VV	299	2968	0.04%	0.002%
165	10.071	10.057	10.077	VV	638	6393	0.09%	0.004%
166	10.092	10.077	10.125	VV	2404	27360	0.40%	0.019%
167	10.128	10.125	10.139	VV	158	1030	0.01%	0.001%
168	10.175	10.155	10.192	PV	531	6213	0.09%	0.004%
169	10.197	10.192	10.207	VV	371	2701	0.04%	0.002%
170	10.240	10.207	10.272	VV	4465	60205	0.87%	0.042%
171	10.293	10.272	10.306	VV	981	12764	0.18%	0.009%
172	10.336	10.306	10.347	VV	989	17235	0.25%	0.012%
173	10.365	10.347	10.393	VV	1059	19758	0.29%	0.014%
174	10.417	10.393	10.438	VV	1372	21140	0.31%	0.015%
175	10.445	10.438	10.459	VV	396	3690	0.05%	0.003%
176	10.486	10.459	10.492	VV	1051	12951	0.19%	0.009%
177	10.496	10.492	10.507	VV	917	6967	0.10%	0.005%
178	10.538	10.507	10.574	VV	2360	47625	0.69%	0.033%
179	10.584	10.574	10.597	VV	937	11030	0.16%	0.008%
180	10.628	10.597	10.642	VV	1901	33084	0.48%	0.023%
181	10.655	10.642	10.662	VV	1760	17150	0.25%	0.012%
182	10.682	10.662	10.736	VV	11889	184945	2.68%	0.129%
183	10.765	10.736	10.783	VV	1115	21043	0.30%	0.015%
184	10.791	10.783	10.809	VV	806	7258	0.11%	0.005%
185	10.835	10.809	10.840	VV	1138	12868	0.19%	0.009%
186	10.857	10.840	10.864	VV	4008	39448	0.57%	0.027%
187	10.894	10.864	10.933	VV	604718	6355277	91.97%	4.422%
188	10.970	10.933	11.010	VV	575600	6108822	88.41%	4.251%
189	11.015	11.010	11.027	VV	749	6340	0.09%	0.004%
190	11.042	11.027	11.070	VV	1305	21998	0.32%	0.015%
191	11.074	11.070	11.101	VV	637	8105	0.12%	0.006%
192	11.133	11.101	11.139	VV	374	5983	0.09%	0.004%
193	11.142	11.139	11.150	VV	352	1794	0.03%	0.001%
194	11.170	11.150	11.214	VV	5791	64279	0.93%	0.045%

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195	11.256	11.223	11.270	PV	827	13472	0.19%	0.009%
196	11.273	11.270	11.292	VV	757	7697	0.11%	0.005%
197	11.296	11.292	11.300	VV	598	2695	0.04%	0.002%
198	11.332	11.300	11.362	VV	51254	583941	8.45%	0.406%
199	11.377	11.362	11.382	VV	777	6899	0.10%	0.005%
200	11.405	11.382	11.453	VV	1173	29832	0.43%	0.021%
201	11.489	11.453	11.506	PV	1239	17791	0.26%	0.012%
202	11.532	11.506	11.555	VV	760	13139	0.19%	0.009%
203	11.577	11.555	11.596	VV	693	8101	0.12%	0.006%
204	11.657	11.596	11.682	PV	510328	5407899	78.26%	3.763%
205	11.687	11.682	11.702	VV	3541	31679	0.46%	0.022%
206	11.719	11.702	11.745	VV	4951	61271	0.89%	0.043%
207	11.751	11.745	11.755	VV	991	5791	0.08%	0.004%
208	11.783	11.755	11.793	VV	2477	35008	0.51%	0.024%
209	11.805	11.793	11.821	VV	2827	42002	0.61%	0.029%
210	11.836	11.821	11.850	VV	3727	45341	0.66%	0.032%
211	11.867	11.850	11.891	VV	3853	46530	0.67%	0.032%
212	11.903	11.891	11.910	VV	361	3206	0.05%	0.002%
213	11.931	11.910	11.965	VV	1627	26289	0.38%	0.018%
214	11.999	11.965	12.015	VV	1541	30356	0.44%	0.021%
215	12.048	12.015	12.075	VV	9248	144859	2.10%	0.101%
216	12.091	12.075	12.119	VV	1304	18996	0.27%	0.013%
217	12.156	12.119	12.180	VV	2728	39539	0.57%	0.028%
218	12.220	12.180	12.229	VV	1557	34222	0.50%	0.024%
219	12.254	12.229	12.392	VV	159490	2202689	31.88%	1.533%
220	12.405	12.392	12.421	VV	3027	46668	0.68%	0.032%
221	12.426	12.421	12.449	VV	2457	36563	0.53%	0.025%
222	12.478	12.449	12.517	VV	4680	125377	1.81%	0.087%
223	12.534	12.517	12.558	VV	2893	49218	0.71%	0.034%
224	12.585	12.558	12.607	VV	4803	83751	1.21%	0.058%
225	12.636	12.607	12.669	VV	56823	708003	10.25%	0.493%
226	12.709	12.669	12.753	VV	608240	6909809	100.00%	4.808%
227	12.758	12.753	12.783	VV	679	10595	0.15%	0.007%
228	12.799	12.783	12.815	VV	687	11247	0.16%	0.008%
229	12.836	12.815	12.848	VV	1384	19413	0.28%	0.014%
230	12.860	12.848	12.868	VV	1377	14125	0.20%	0.010%
231	12.889	12.868	12.930	VV	7984	117114	1.69%	0.081%
232	12.935	12.930	12.953	VV	986	12081	0.17%	0.008%
233	12.958	12.953	12.968	VV	833	6930	0.10%	0.005%
234	13.008	12.968	13.034	VV	570884	6662004	96.41%	4.635%
235	13.080	13.034	13.114	VV	62676	856909	12.40%	0.596%
236	13.135	13.114	13.153	VV	1187	22591	0.33%	0.016%
237	13.168	13.153	13.197	VV	1693	26764	0.39%	0.019%
238	13.201	13.197	13.214	VV	579	4610	0.07%	0.003%
239	13.245	13.214	13.278	VV	49997	610844	8.84%	0.425%
240	13.298	13.278	13.317	VV	5251	66013	0.96%	0.046%
241	13.328	13.317	13.346	VV	1325	16118	0.23%	0.011%
242	13.393	13.346	13.408	VV	2689	62683	0.91%	0.044%
243	13.418	13.408	13.435	VV	2271	31750	0.46%	0.022%
244	13.477	13.435	13.508	VV	52057	714563	10.34%	0.497%
245	13.527	13.508	13.553	VV	15968	257068	3.72%	0.179%
246	13.582	13.553	13.632	VV	7319	193856	2.81%	0.135%

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247	13.649	13.632	13.668	VV	2483	45729	0.66%	0.032%
248	13.692	13.668	13.714	VV	3445	71407	1.03%	0.050%
249	13.729	13.714	13.750	VV	3941	57921	0.84%	0.040%
250	13.782	13.750	13.801	VV	5093	87135	1.26%	0.061%
251	13.830	13.801	13.881	VV	49726	679354	9.83%	0.473%
252	13.899	13.881	13.915	VV	3080	44685	0.65%	0.031%
253	13.940	13.915	13.992	VV	18486	251467	3.64%	0.175%
254	14.009	13.992	14.024	VV	864	12535	0.18%	0.009%
255	14.064	14.024	14.090	VV	1093	25643	0.37%	0.018%
256	14.102	14.090	14.120	VV	708	8993	0.13%	0.006%
257	14.126	14.120	14.147	VV	486	3977	0.06%	0.003%
258	14.173	14.147	14.187	VV	633	9397	0.14%	0.007%
259	14.268	14.187	14.292	VV	2540	70110	1.01%	0.049%
260	14.312	14.292	14.344	VV	4459	67238	0.97%	0.047%
261	14.393	14.344	14.405	VV	1065	26994	0.39%	0.019%
262	14.421	14.405	14.449	VV	1261	22422	0.32%	0.016%
263	14.494	14.449	14.515	VV	2828	71065	1.03%	0.049%
264	14.522	14.515	14.534	VV	1162	11922	0.17%	0.008%
265	14.558	14.534	14.578	VV	5464	70534	1.02%	0.049%
266	14.612	14.578	14.640	VV	3221	56242	0.81%	0.039%
267	14.682	14.640	14.695	VV	832	16627	0.24%	0.012%
268	14.767	14.695	14.806	VV	14933	218855	3.17%	0.152%
269	14.822	14.806	14.835	VV	645	6996	0.10%	0.005%
270	14.878	14.835	14.896	VV	479461	6253771	90.51%	4.351%
271	14.923	14.896	14.987	VV	570055	6782085	98.15%	4.719%
272	15.029	14.987	15.085	VV	2933	69918	1.01%	0.049%
273	15.101	15.085	15.141	VV	1135	21638	0.31%	0.015%
274	15.166	15.141	15.177	PV	1428	18201	0.26%	0.013%
275	15.184	15.177	15.194	VV	1209	12306	0.18%	0.009%
276	15.202	15.194	15.223	VV	1374	18834	0.27%	0.013%
277	15.228	15.223	15.249	VV	1001	9029	0.13%	0.006%
278	15.253	15.249	15.264	VV	321	1874	0.03%	0.001%
279	15.308	15.264	15.421	VV	14261	378168	5.47%	0.263%
280	15.466	15.421	15.489	VV	7987	127064	1.84%	0.088%
281	15.495	15.489	15.515	VV	1494	22224	0.32%	0.015%
282	15.537	15.515	15.559	VV	4621	63888	0.92%	0.044%
283	15.574	15.559	15.593	VV	2458	31010	0.45%	0.022%
284	15.619	15.593	15.635	VV	886	17561	0.25%	0.012%
285	15.674	15.635	15.689	VV	2426	49133	0.71%	0.034%
286	15.698	15.689	15.739	VV	2207	38168	0.55%	0.027%
287	15.776	15.739	15.815	VV	2651	48730	0.71%	0.034%
288	15.818	15.815	15.826	VV	679	3854	0.06%	0.003%
289	15.857	15.826	15.870	VV	1385	23503	0.34%	0.016%
290	15.883	15.870	15.915	VV	1389	26110	0.38%	0.018%
291	15.946	15.915	15.994	VV	42934	586030	8.48%	0.408%
292	16.009	15.994	16.049	VV	805	15729	0.23%	0.011%
293	16.069	16.057	16.077	PV	283	2240	0.03%	0.002%
294	16.093	16.077	16.098	VV	355	2893	0.04%	0.002%
295	16.147	16.098	16.187	VV	1741	46443	0.67%	0.032%
296	16.202	16.187	16.219	VV	566	8020	0.12%	0.006%
297	16.240	16.219	16.243	VV	737	8245	0.12%	0.006%
298	16.251	16.243	16.274	VV	795	9711	0.14%	0.007%
299	16.288	16.274	16.299	VV	554	6406	0.09%	0.004%

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300	16.347	16.299	16.382	VV	2955	74806	1.08%	0.052%
301	16.428	16.382	16.443	VV	416875	6010967	86.99%	4.182%
302	16.464	16.443	16.487	VV	505281	5835842	84.46%	4.061%
303	16.508	16.487	16.531	VV	8750	116074	1.68%	0.081%
304	16.553	16.531	16.578	VV	4390	70559	1.02%	0.049%
305	16.583	16.578	16.604	VV	1324	14600	0.21%	0.010%
306	16.610	16.604	16.634	VV	721	8556	0.12%	0.006%
307	16.668	16.634	16.689	VV	3125	43220	0.63%	0.030%
308	16.738	16.689	16.765	VV	10873	181696	2.63%	0.126%
309	16.808	16.765	16.839	VV	432459	5599806	81.04%	3.896%
310	16.892	16.839	16.922	VV	48683	683704	9.89%	0.476%
311	16.943	16.922	16.956	VV	1763	25858	0.37%	0.018%
312	16.966	16.956	16.989	VV	1305	17417	0.25%	0.012%
313	17.008	16.989	17.019	VV	861	11211	0.16%	0.008%
314	17.040	17.019	17.091	VV	1226	27268	0.39%	0.019%
315	17.102	17.091	17.120	VV	423	3273	0.05%	0.002%
316	17.162	17.120	17.187	VV	1665	36418	0.53%	0.025%
317	17.193	17.187	17.235	VV	820	12660	0.18%	0.009%
318	17.289	17.235	17.309	PV	2403	54850	0.79%	0.038%
319	17.317	17.309	17.356	VV	1829	42334	0.61%	0.029%
320	17.374	17.356	17.398	VV	1436	23233	0.34%	0.016%
321	17.407	17.398	17.412	VV	732	5129	0.07%	0.004%
322	17.418	17.412	17.423	VV	773	4518	0.07%	0.003%
323	17.449	17.423	17.474	VV	1506	27529	0.40%	0.019%
324	17.492	17.474	17.514	VV	647	11293	0.16%	0.008%
325	17.546	17.514	17.553	VV	539	9517	0.14%	0.007%
326	17.564	17.553	17.572	VV	484	4493	0.07%	0.003%
327	17.576	17.572	17.597	VV	378	3663	0.05%	0.003%
328	17.602	17.597	17.608	VV	308	1186	0.02%	0.001%
329	17.628	17.608	17.650	PV	557	9018	0.13%	0.006%
330	17.666	17.650	17.684	VV	543	7864	0.11%	0.005%
331	17.733	17.684	17.739	VV	1467	24582	0.36%	0.017%
332	17.775	17.739	17.807	VV	38709	544302	7.88%	0.379%
333	17.863	17.807	17.881	VV	1685	42567	0.62%	0.030%
334	17.886	17.881	17.907	VV	1199	12366	0.18%	0.009%
335	17.926	17.907	17.984	VV	1500	40046	0.58%	0.028%
336	18.007	17.984	18.039	VV	1066	20352	0.29%	0.014%
337	18.066	18.039	18.095	VV	2748	50234	0.73%	0.035%
338	18.174	18.095	18.188	VV	404221	6004467	86.90%	4.178%
339	18.212	18.188	18.268	VV	421147	5479884	79.31%	3.813%
340	18.294	18.268	18.310	VV	3440	51406	0.74%	0.036%
341	18.328	18.310	18.375	VV	3176	65760	0.95%	0.046%
342	18.432	18.375	18.478	VV	391312	5562721	80.50%	3.871%
343	18.496	18.478	18.517	VV	1234	23089	0.33%	0.016%
344	18.542	18.517	18.565	VV	2723	46368	0.67%	0.032%
345	18.603	18.565	18.661	VV	37064	551478	7.98%	0.384%
346	18.705	18.661	18.730	VV	2300	65988	0.95%	0.046%
347	18.735	18.730	18.747	VV	1573	14766	0.21%	0.010%
348	18.769	18.747	18.795	VV	1540	39306	0.57%	0.027%
349	18.836	18.795	18.860	VV	1825	55807	0.81%	0.039%
350	18.882	18.860	18.892	VV	1618	27531	0.40%	0.019%
351	18.896	18.892	18.902	VV	1248	7075	0.10%	0.005%

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352	18.969	18.902	19.006	VV	8063	253979	3.68%	0.177%
353	19.011	19.006	19.050	VV	4920	93066	1.35%	0.065%
354	19.055	19.050	19.066	VV	2451	20654	0.30%	0.014%
355	19.086	19.066	19.090	VV	2843	36055	0.52%	0.025%
356	19.099	19.090	19.127	VV	2650	53768	0.78%	0.037%
357	19.135	19.127	19.154	VV	2292	32487	0.47%	0.023%
358	19.168	19.154	19.174	VV	1991	23407	0.34%	0.016%
359	19.198	19.174	19.225	VV	2724	70411	1.02%	0.049%
360	19.254	19.225	19.283	VV	2511	78473	1.14%	0.055%
361	19.292	19.283	19.307	VV	2286	32077	0.46%	0.022%
362	19.310	19.307	19.315	VV	2195	9765	0.14%	0.007%
363	19.383	19.315	19.414	VV	38810	678076	9.81%	0.472%
364	19.421	19.414	19.440	VV	3089	45381	0.66%	0.032%
365	19.452	19.440	19.465	VV	3097	43408	0.63%	0.030%
366	19.490	19.465	19.522	VV	4660	121062	1.75%	0.084%
367	19.559	19.522	19.590	VV	6889	182508	2.64%	0.127%
368	19.625	19.590	19.652	VV	6021	179623	2.60%	0.125%
369	19.677	19.652	19.695	VV	4737	111916	1.62%	0.078%
370	19.750	19.695	19.777	VV	6126	244968	3.55%	0.170%
371	19.782	19.777	19.789	VV	4304	30412	0.44%	0.021%
372	19.806	19.789	19.823	VV	4614	87192	1.26%	0.061%
373	19.834	19.823	19.862	VV	4629	101466	1.47%	0.071%
374	19.868	19.862	19.873	VV	4280	26627	0.39%	0.019%
375	19.877	19.873	19.881	VV	4160	20365	0.29%	0.014%
376	19.932	19.881	19.968	VV	8500	322729	4.67%	0.225%
377	20.026	19.968	20.059	VV	8280	353626	5.12%	0.246%
378	20.074	20.059	20.087	VV	6546	105833	1.53%	0.074%
379	20.119	20.087	20.152	VV	37287	667286	9.66%	0.464%
380	20.198	20.152	20.229	VV	6972	303569	4.39%	0.211%
381	20.262	20.229	20.276	VV	10428	242538	3.51%	0.169%
382	20.284	20.276	20.325	VV	9528	231097	3.34%	0.161%
383	20.365	20.325	20.375	VV	7178	201857	2.92%	0.140%
384	20.399	20.375	20.410	VV	7255	151588	2.19%	0.105%
385	20.470	20.410	20.500	VV	8142	414791	6.00%	0.289%
386	20.505	20.500	20.525	VV	7806	117768	1.70%	0.082%
387	20.529	20.525	20.534	VV	7703	38398	0.56%	0.027%
388	20.544	20.534	20.555	VV	7922	99116	1.43%	0.069%
389	20.568	20.555	20.580	VV	8056	116857	1.69%	0.081%
390	20.586	20.580	20.592	VV	7626	53220	0.77%	0.037%
391	20.611	20.592	20.631	VV	7517	173231	2.51%	0.121%
392	20.658	20.631	20.694	VV	7673	271754	3.93%	0.189%
393	20.727	20.694	20.737	VV	6955	178894	2.59%	0.124%
394	20.768	20.737	20.774	VV	6848	150872	2.18%	0.105%
395	20.779	20.774	20.784	VV	6816	38890	0.56%	0.027%
396	20.788	20.784	20.811	VV	6713	106216	1.54%	0.074%
397	20.856	20.811	20.912	VV	30640	803645	11.63%	0.559%
398	20.937	20.912	20.943	VV	6114	112781	1.63%	0.078%
399	20.965	20.943	21.007	VV	6213	215905	3.12%	0.150%
400	21.029	21.007	21.064	VV	5378	175667	2.54%	0.122%
401	21.079	21.064	21.084	VV	4887	58833	0.85%	0.041%
402	21.104	21.084	21.128	VV	5017	128274	1.86%	0.089%
403	21.153	21.128	21.190	VV	5021	175624	2.54%	0.122%
404	21.197	21.190	21.240	VV	4504	127261	1.84%	0.089%

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405	21.279	21.240	21.287	VV	4953	127271	1.84%	0.089%
406	21.305	21.287	21.335	VV	5074	136279	1.97%	0.095%
407	21.346	21.335	21.402	VV	4314	151627	2.19%	0.106%
408	21.418	21.402	21.428	VV	3674	55495	0.80%	0.039%
409	21.447	21.428	21.462	VV	3572	70452	1.02%	0.049%
410	21.477	21.462	21.500	VV	3583	78275	1.13%	0.054%
411	21.524	21.500	21.567	VV	3496	127736	1.85%	0.089%
412	21.599	21.567	21.657	VV	3434	154511	2.24%	0.108%
413	21.685	21.657	21.716	VV	3196	92702	1.34%	0.065%
414	21.777	21.716	21.882	VV	20345	610685	8.84%	0.425%
415	21.948	21.882	21.960	VV	1577	71527	1.04%	0.050%
416	21.982	21.960	22.024	VV	1970	55105	0.80%	0.038%
417	22.051	22.024	22.170	VV	1126	49172	0.71%	0.034%
					Sum of corrected areas:		143719842	

Aromatic EPH 040725.M Fri Apr 11 01:44:01 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068568.D
 Signal(s) : FID1A.ch
 Acq On : 11 Apr 2025 02:32
 Operator : YP/AJ
 Sample : Q1746-01MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 B-149-SB01MSD

Integration File: autoint1.e
 Quant Time: Apr 11 03:48:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 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			
12) S 1-chlorooctadecane (S...	13.148	3752451	40.395 ug/ml
Spiked Amount 50.000		Recovery =	80.79%
Target Compounds			
1) T n-Nonane (C9)	3.445	1615097	15.335 ug/ml
2) T n-Decane (C10)	4.520	2053613	19.491 ug/ml
4) T n-Dodecane (C12)	6.545	2675088	25.438 ug/ml
6) T n-Tetradecane (C14)	8.344	3338038	32.470 ug/ml
7) T n-Hexadecane (C16)	9.947	3862004	37.922 ug/ml
8) T n-Octadecane (C18)	11.390	3934684	39.099 ug/ml
10) T n-Eicosane (C20)	12.702	4025090	40.922 ug/ml
11) T n-Heneicosane (C21)	13.315	3854750	39.553 ug/ml
13) T n-Docosane (C22)	13.901	3832142	39.672 ug/ml
14) T n-Tetracosane (C24)	15.006	3919629	41.179 ug/ml
15) T n-Hexacosane (C26)	16.029	3759195	40.246 ug/ml
16) T n-Octacosane (C28)	16.980	3751347	40.973 ug/ml
17) T n-Tricontane (C30)	17.869	3816537	41.515 ug/ml
18) T n-Dotriacontane (C32)	18.702	3791590	41.335 ug/ml
19) T n-Tetratriacontane (C34)	19.488	3787523	42.395 ug/ml
20) T n-Hexatriacontane (C36)	20.229	3683800	41.123 ug/ml
21) T n-Octatriacontane (C38)	21.005	3682580	41.652 ug/ml
22) T n-Tetracontane (C40)	21.985	3559361	40.307 ug/ml

(f)=RT Delta > 1/2 Window

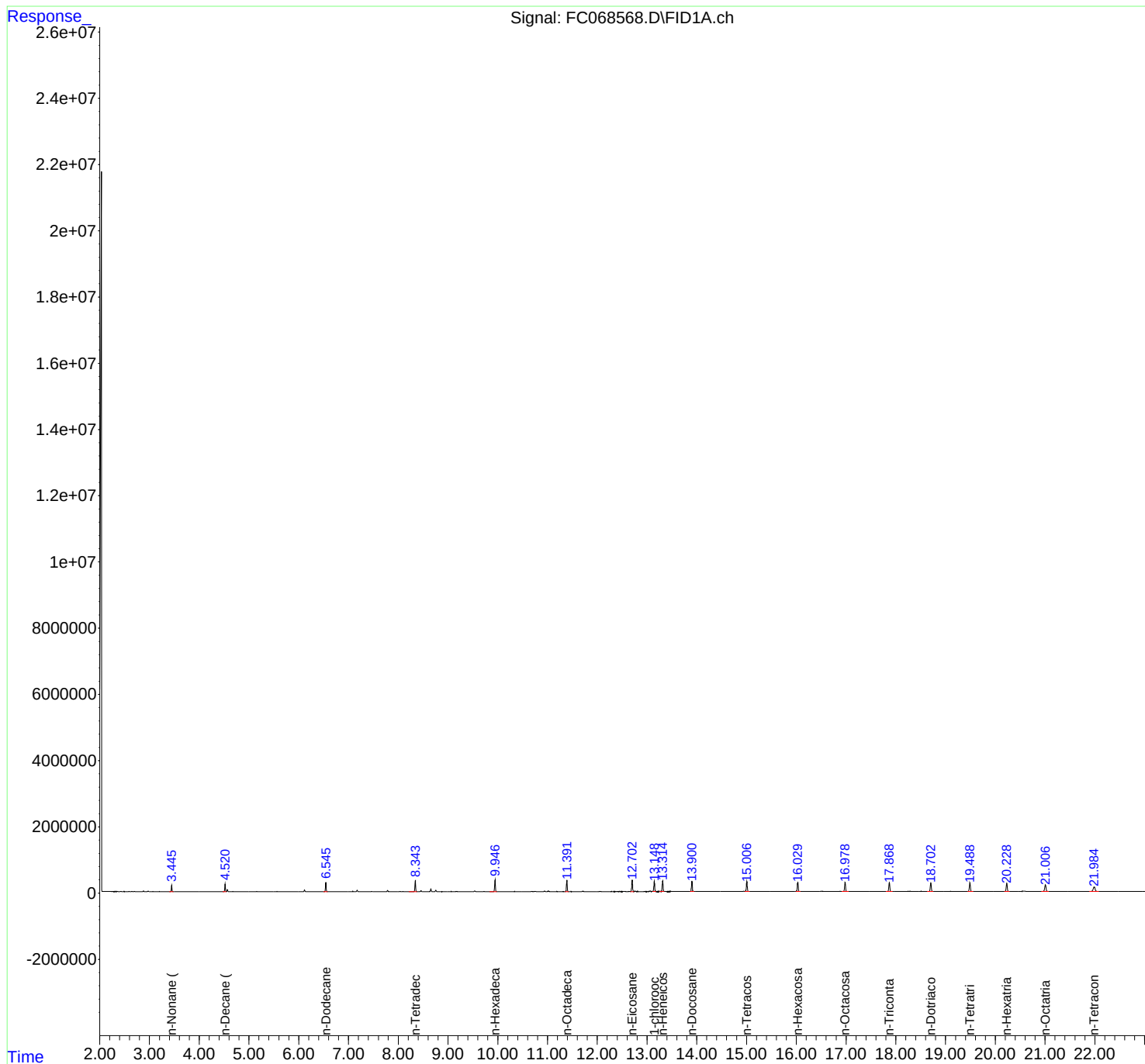
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
Data File : FC068568.D
Signal(s) : FID1A.ch
Acq On : 11 Apr 2025 02:32
Operator : YP/AJ
Sample : Q1746-01MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-149-SB01MSD

Integration File: autoint1.e
Quant Time: Apr 11 03:48:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041125AL\
 Data File : FC068568.D
 Signal(s) : FID1A.ch
 Acq On : 11 Apr 2025 02:32
 Sample : Q1746-01MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	2.316	2.304	2.347	PH	1730	19634	0.49%	0.026%
2	2.361	2.347	2.399	PV	1734	12600	0.31%	0.016%
3	2.427	2.399	2.478	PV	4822	44714	1.11%	0.058%
4	2.491	2.478	2.508	VV	956	7256	0.18%	0.009%
5	2.519	2.508	2.561	VV	155	1737	0.04%	0.002%
6	2.590	2.561	2.624	VV	2050	18586	0.46%	0.024%
7	2.648	2.624	2.670	PV	6680	51638	1.28%	0.067%
8	2.697	2.670	2.740	VV	7136	66232	1.64%	0.086%
9	2.752	2.740	2.768	VV	213	2304	0.06%	0.003%
10	2.779	2.768	2.804	VV	543	5331	0.13%	0.007%
11	2.816	2.804	2.851	VV	251	2913	0.07%	0.004%
12	2.879	2.851	2.944	PV	20941	161947	4.02%	0.210%
13	2.970	2.944	3.004	VV	10712	137562	3.41%	0.179%
14	3.020	3.004	3.049	VV	859	8178	0.20%	0.011%
15	3.070	3.049	3.097	VV	1350	12369	0.31%	0.016%
16	3.109	3.097	3.130	VV	163	1644	0.04%	0.002%
17	3.149	3.130	3.172	VV	179	2349	0.06%	0.003%
18	3.198	3.172	3.248	VV	1308	11561	0.29%	0.015%
19	3.271	3.248	3.288	VV	209	2306	0.06%	0.003%
20	3.294	3.288	3.328	VV	152	1815	0.05%	0.002%
21	3.341	3.328	3.388	VV	126	2066	0.05%	0.003%
22	3.397	3.388	3.413	VV	117	905	0.02%	0.001%
23	3.445	3.413	3.516	PV	194996	1618488	40.14%	2.103%
24	3.551	3.516	3.564	PV	194	3187	0.08%	0.004%
25	3.576	3.564	3.589	VV	211	2880	0.07%	0.004%
26	3.598	3.589	3.620	VV	184	2294	0.06%	0.003%
27	3.629	3.620	3.637	VV	199	1324	0.03%	0.002%
28	3.650	3.637	3.685	VV	210	3435	0.09%	0.004%
29	3.724	3.685	3.745	PV	333	6264	0.16%	0.008%
30	3.769	3.745	3.807	VV	364	7924	0.20%	0.010%
31	3.824	3.807	3.851	VV	379	5478	0.14%	0.007%
32	3.861	3.851	3.877	VV	312	2615	0.06%	0.003%
33	3.896	3.877	3.909	VV	252	2659	0.07%	0.003%
34	3.921	3.909	3.934	VV	155	1741	0.04%	0.002%
35	3.947	3.934	3.959	VV	442	3762	0.09%	0.005%
36	3.967	3.959	3.988	VV	278	2391	0.06%	0.003%

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37	3.998	3.988	4.017	VV	192	2662	0.07%	0.003%
38	4.033	4.017	4.094	VV	232	6022	0.15%	0.008%
39	4.121	4.094	4.133	VV	450	5756	0.14%	0.007%
40	4.148	4.133	4.167	VV	853	8662	0.21%	0.011%
41	4.179	4.167	4.197	VV	200	2917	0.07%	0.004%
42	4.216	4.197	4.260	VV	352	6140	0.15%	0.008%
43	4.292	4.260	4.321	VV	614	11004	0.27%	0.014%
44	4.328	4.321	4.356	VV	285	3480	0.09%	0.005%
45	4.369	4.356	4.409	VV	185	2910	0.07%	0.004%
46	4.480	4.409	4.490	PV	212	5637	0.14%	0.007%
47	4.520	4.490	4.545	VV	230288	2058440	51.05%	2.674%
48	4.566	4.545	4.608	VV	56601	494446	12.26%	0.642%
49	4.628	4.608	4.654	VV	1248	13978	0.35%	0.018%
50	4.675	4.654	4.711	VV	1565	22110	0.55%	0.029%
51	4.746	4.711	4.760	VV	711	9746	0.24%	0.013%
52	4.776	4.760	4.801	VV	1199	12266	0.30%	0.016%
53	4.808	4.801	4.848	VV	239	3968	0.10%	0.005%
54	4.855	4.848	4.888	VV	191	2477	0.06%	0.003%
55	4.896	4.888	4.924	VV	182	2501	0.06%	0.003%
56	4.943	4.924	4.987	VV	153	3976	0.10%	0.005%
57	5.004	4.987	5.033	VV	222	2554	0.06%	0.003%
58	5.056	5.033	5.066	PV	144	1413	0.04%	0.002%
59	5.079	5.066	5.107	VV	177	2203	0.05%	0.003%
60	5.131	5.107	5.140	VV	441	4052	0.10%	0.005%
61	5.158	5.140	5.188	VV	2003	22790	0.57%	0.030%
62	5.216	5.188	5.231	VV	456	5679	0.14%	0.007%
63	5.244	5.231	5.258	VV	233	2368	0.06%	0.003%
64	5.265	5.258	5.292	VV	180	2345	0.06%	0.003%
65	5.300	5.292	5.341	VV	106	1243	0.03%	0.002%
66	5.355	5.341	5.367	VV	164	1643	0.04%	0.002%
67	5.385	5.367	5.423	VV	322	4481	0.11%	0.006%
68	5.437	5.423	5.476	VV	164	2710	0.07%	0.004%
69	5.488	5.476	5.506	VV	72	908	0.02%	0.001%
70	5.527	5.506	5.541	PV	166	1923	0.05%	0.002%
71	5.561	5.541	5.584	VV	1602	16914	0.42%	0.022%
72	5.603	5.584	5.631	VV	868	10008	0.25%	0.013%
73	5.660	5.631	5.681	VV	192	2929	0.07%	0.004%
74	5.751	5.681	5.792	VV	272	7696	0.19%	0.010%
75	5.819	5.792	5.831	VV	128	1642	0.04%	0.002%
76	5.851	5.831	5.884	VV	281	5654	0.14%	0.007%
77	5.909	5.884	5.924	VV	144	2211	0.05%	0.003%
78	5.945	5.924	5.968	VV	130	2356	0.06%	0.003%
79	5.975	5.968	6.000	VV	118	1260	0.03%	0.002%
80	6.017	6.000	6.028	PV	80	803	0.02%	0.001%
81	6.072	6.028	6.084	VV	132	2407	0.06%	0.003%
82	6.117	6.084	6.150	VV	52321	479000	11.88%	0.622%
83	6.163	6.150	6.184	VV	335	3752	0.09%	0.005%
84	6.204	6.184	6.244	VV	606	8478	0.21%	0.011%
85	6.265	6.244	6.307	VV	353	6041	0.15%	0.008%
86	6.331	6.307	6.356	VV	213	4281	0.11%	0.006%
87	6.383	6.356	6.414	VV	152	4048	0.10%	0.005%
88	6.428	6.414	6.448	VV	141	2272	0.06%	0.003%
89	6.475	6.448	6.514	VV	218	5078	0.13%	0.007%

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90	6.545	6.514	6.614	VV	277616	2679913	66.47%	3.482%
91	6.631	6.614	6.648	VV	310	3372	0.08%	0.004%
92	6.694	6.648	6.714	VV	1046	13943	0.35%	0.018%
93	6.731	6.714	6.751	VV	280	4424	0.11%	0.006%
94	6.769	6.751	6.793	VV	314	4482	0.11%	0.006%
95	6.835	6.793	6.845	VV	154	2289	0.06%	0.003%
96	6.873	6.845	6.893	VV	244	3516	0.09%	0.005%
97	6.916	6.893	6.933	VV	163	2825	0.07%	0.004%
98	6.948	6.933	6.974	VV	193	3449	0.09%	0.004%
99	6.990	6.974	7.021	VV	338	4880	0.12%	0.006%
100	7.043	7.021	7.058	VV	538	7188	0.18%	0.009%
101	7.083	7.058	7.133	VV	1471	24209	0.60%	0.031%
102	7.174	7.133	7.230	VV	44230	434027	10.76%	0.564%
103	7.249	7.230	7.266	VV	711	7742	0.19%	0.010%
104	7.274	7.266	7.291	VV	231	2602	0.06%	0.003%
105	7.331	7.291	7.354	VV	1040	17348	0.43%	0.023%
106	7.365	7.354	7.377	VV	259	3036	0.08%	0.004%
107	7.392	7.377	7.418	VV	263	5109	0.13%	0.007%
108	7.438	7.418	7.451	VV	322	4955	0.12%	0.006%
109	7.470	7.451	7.504	VV	2615	29454	0.73%	0.038%
110	7.564	7.504	7.600	VV	464	12683	0.31%	0.016%
111	7.612	7.600	7.631	VV	144	2263	0.06%	0.003%
112	7.647	7.631	7.684	VV	333	5223	0.13%	0.007%
113	7.735	7.684	7.761	VV	546	9304	0.23%	0.012%
114	7.787	7.761	7.861	VV	33876	331821	8.23%	0.431%
115	7.895	7.861	7.907	VV	361	6368	0.16%	0.008%
116	7.921	7.907	7.940	VV	322	5075	0.13%	0.007%
117	7.950	7.940	7.974	VV	324	4314	0.11%	0.006%
118	7.992	7.974	8.012	VV	317	4772	0.12%	0.006%
119	8.038	8.012	8.074	VV	1942	25598	0.63%	0.033%
120	8.095	8.074	8.143	VV	1670	22528	0.56%	0.029%
121	8.164	8.143	8.181	VV	612	8056	0.20%	0.010%
122	8.199	8.181	8.228	VV	382	7112	0.18%	0.009%
123	8.250	8.228	8.266	VV	690	9171	0.23%	0.012%
124	8.273	8.266	8.285	VV	321	3093	0.08%	0.004%
125	8.302	8.285	8.310	VV	367	3944	0.10%	0.005%
126	8.344	8.310	8.414	VV	334602	3345641	82.98%	4.346%
127	8.459	8.414	8.514	VV	28670	295671	7.33%	0.384%
128	8.535	8.514	8.556	VV	346	6843	0.17%	0.009%
129	8.574	8.556	8.611	VV	453	6803	0.17%	0.009%
130	8.657	8.611	8.727	PV	82315	807180	20.02%	1.049%
131	8.756	8.727	8.783	VV	44367	435504	10.80%	0.566%
132	8.805	8.783	8.820	VV	418	8527	0.21%	0.011%
133	8.834	8.820	8.851	VV	511	7426	0.18%	0.010%
134	8.880	8.851	8.923	VV	1418	26690	0.66%	0.035%
135	8.936	8.923	8.965	VV	321	5890	0.15%	0.008%
136	8.997	8.965	9.013	VV	299	5217	0.13%	0.007%
137	9.030	9.013	9.041	VV	255	3485	0.09%	0.005%
138	9.065	9.041	9.085	VV	1302	16476	0.41%	0.021%
139	9.103	9.085	9.134	VV	626	12248	0.30%	0.016%
140	9.166	9.134	9.210	VV	2551	47455	1.18%	0.062%
141	9.221	9.210	9.237	VV	312	3801	0.09%	0.005%

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142	9.254	9.237	9.276	VV	398	5464	0.14%	0.007%
143	9.301	9.276	9.337	VV	253	5261	0.13%	0.007%
144	9.353	9.337	9.374	VV	183	2578	0.06%	0.003%
145	9.404	9.374	9.438	VV	282	7730	0.19%	0.010%
146	9.466	9.438	9.510	VV	565	12366	0.31%	0.016%
147	9.539	9.510	9.571	VV	21042	220923	5.48%	0.287%
148	9.585	9.571	9.601	VV	686	8265	0.20%	0.011%
149	9.624	9.601	9.648	VV	408	6695	0.17%	0.009%
150	9.677	9.648	9.702	VV	577	10830	0.27%	0.014%
151	9.725	9.702	9.743	VV	1997	21757	0.54%	0.028%
152	9.755	9.743	9.776	VV	699	7654	0.19%	0.010%
153	9.818	9.776	9.846	VV	682	9664	0.24%	0.013%
154	9.865	9.846	9.910	VV	405	9430	0.23%	0.012%
155	9.947	9.910	10.000	VV	356383	3858558	95.70%	5.013%
156	10.043	10.000	10.103	VV	302	9699	0.24%	0.013%
157	10.116	10.103	10.202	VV	110	2455	0.06%	0.003%
158	10.228	10.202	10.245	PV	137	1335	0.03%	0.002%
159	10.290	10.245	10.304	VV	248	4977	0.12%	0.006%
160	10.336	10.304	10.360	VV	1036	16013	0.40%	0.021%
161	10.381	10.360	10.399	VV	382	5788	0.14%	0.008%
162	10.422	10.399	10.452	VV	422	6998	0.17%	0.009%
163	10.479	10.452	10.514	VV	261	4956	0.12%	0.006%
164	10.548	10.514	10.575	VV	253	6555	0.16%	0.009%
165	10.587	10.575	10.596	VV	351	3201	0.08%	0.004%
166	10.616	10.596	10.648	VV	388	8454	0.21%	0.011%
167	10.683	10.648	10.715	VV	2678	36063	0.89%	0.047%
168	10.757	10.715	10.790	VV	2106	51184	1.27%	0.066%
169	10.815	10.790	10.844	VV	536	10914	0.27%	0.014%
170	10.862	10.844	10.886	VV	223	4204	0.10%	0.005%
171	10.906	10.886	10.918	VV	296	4277	0.11%	0.006%
172	10.943	10.918	10.979	VV	18986	202112	5.01%	0.263%
173	11.017	10.979	11.045	VV	19707	211345	5.24%	0.275%
174	11.080	11.045	11.128	VV	399	15880	0.39%	0.021%
175	11.140	11.128	11.170	VV	339	5272	0.13%	0.007%
176	11.192	11.170	11.229	VV	1172	13783	0.34%	0.018%
177	11.242	11.229	11.274	PV	283	2239	0.06%	0.003%
178	11.318	11.274	11.350	VV	961	14367	0.36%	0.019%
179	11.390	11.350	11.448	VV	352127	3942573	97.79%	5.122%
180	11.480	11.448	11.524	VV	871	14493	0.36%	0.019%
181	11.545	11.524	11.567	PV	242	2719	0.07%	0.004%
182	11.589	11.567	11.603	PV	108	1364	0.03%	0.002%
183	11.647	11.603	11.660	VV	108	2891	0.07%	0.004%
184	11.712	11.660	11.764	VV	12128	137430	3.41%	0.179%
185	11.781	11.764	11.806	VV	550	8341	0.21%	0.011%
186	11.842	11.806	11.854	VV	373	6703	0.17%	0.009%
187	11.871	11.854	11.894	VV	365	6468	0.16%	0.008%
188	11.900	11.894	11.918	VV	245	2451	0.06%	0.003%
189	11.938	11.918	11.961	VV	184	3948	0.10%	0.005%
190	11.992	11.961	12.004	VV	209	3910	0.10%	0.005%
191	12.058	12.004	12.091	VV	2806	45745	1.13%	0.059%
192	12.110	12.091	12.123	VV	334	4522	0.11%	0.006%
193	12.153	12.123	12.177	VV	512	8793	0.22%	0.011%
194	12.211	12.177	12.240	VV	233	6770	0.17%	0.009%

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195	12.280	12.240	12.309	VV	503	11665	0.29%	0.015%
196	12.353	12.309	12.374	VV	618	14923	0.37%	0.019%
197	12.395	12.374	12.411	VV	711	9526	0.24%	0.012%
198	12.434	12.411	12.458	VV	452	10421	0.26%	0.014%
199	12.471	12.458	12.482	VV	506	6526	0.16%	0.008%
200	12.489	12.482	12.499	VV	443	4237	0.11%	0.006%
201	12.524	12.499	12.596	VV	1240	36537	0.91%	0.047%
202	12.638	12.596	12.663	VV	866	16037	0.40%	0.021%
203	12.702	12.663	12.736	VV	349154	4031875	100.00%	5.238%
204	12.763	12.736	12.806	VV	14757	167684	4.16%	0.218%
205	12.818	12.806	12.886	VV	304	8295	0.21%	0.011%
206	12.909	12.886	12.927	VV	174	2231	0.06%	0.003%
207	12.952	12.927	12.984	VV	619	11394	0.28%	0.015%
208	12.990	12.984	13.007	VV	257	2674	0.07%	0.003%
209	13.022	13.007	13.032	VV	195	2416	0.06%	0.003%
210	13.062	13.032	13.108	VV	18114	204267	5.07%	0.265%
211	13.148	13.108	13.183	VV	319006	3765651	93.40%	4.892%
212	13.197	13.183	13.231	VV	483	9465	0.23%	0.012%
213	13.253	13.231	13.275	VV	381	8636	0.21%	0.011%
214	13.315	13.275	13.349	VV	326980	3870507	96.00%	5.028%
215	13.363	13.349	13.382	VV	509	8061	0.20%	0.010%
216	13.390	13.382	13.411	VV	326	5097	0.13%	0.007%
217	13.420	13.411	13.464	VV	308	6801	0.17%	0.009%
218	13.489	13.464	13.500	VV	292	4981	0.12%	0.006%
219	13.534	13.500	13.565	VV	478	14172	0.35%	0.018%
220	13.590	13.565	13.609	VV	461	9741	0.24%	0.013%
221	13.658	13.609	13.671	VV	492	13207	0.33%	0.017%
222	13.690	13.671	13.711	VV	695	11651	0.29%	0.015%
223	13.742	13.711	13.780	VV	1064	23403	0.58%	0.030%
224	13.804	13.780	13.823	VV	437	8920	0.22%	0.012%
225	13.846	13.823	13.863	VV	878	14042	0.35%	0.018%
226	13.901	13.863	13.948	VV	312402	3847462	95.43%	4.998%
227	13.959	13.948	14.021	VV	515	14777	0.37%	0.019%
228	14.038	14.021	14.069	VV	314	7487	0.19%	0.010%
229	14.125	14.069	14.165	VV	594	20883	0.52%	0.027%
230	14.185	14.165	14.209	VV	352	7843	0.19%	0.010%
231	14.227	14.209	14.248	VV	313	6674	0.17%	0.009%
232	14.266	14.248	14.275	VV	338	4881	0.12%	0.006%
233	14.333	14.275	14.394	VV	1469	38899	0.96%	0.051%
234	14.420	14.394	14.436	VV	530	9229	0.23%	0.012%
235	14.460	14.436	14.485	VV	1625	23417	0.58%	0.030%
236	14.534	14.485	14.551	VV	357	11723	0.29%	0.015%
237	14.561	14.551	14.578	VV	416	5245	0.13%	0.007%
238	14.590	14.578	14.618	VV	352	6526	0.16%	0.008%
239	14.626	14.618	14.646	VV	325	4446	0.11%	0.006%
240	14.666	14.646	14.698	VV	416	9292	0.23%	0.012%
241	14.732	14.698	14.778	VV	466	15641	0.39%	0.020%
242	14.787	14.778	14.800	VV	290	3404	0.08%	0.004%
243	14.818	14.800	14.827	VV	335	4721	0.12%	0.006%
244	14.859	14.827	14.884	VV	470	12161	0.30%	0.016%
245	14.891	14.884	14.904	VV	270	2660	0.07%	0.003%
246	14.940	14.904	14.961	VV	9430	116493	2.89%	0.151%

					rteres			
247	15.006	14.961	15.089	VV	297561	3936236	97.63%	5.114%
248	15.105	15.089	15.126	VV	216	2863	0.07%	0.004%
249	15.141	15.126	15.151	VV	131	1328	0.03%	0.002%
250	15.158	15.151	15.171	VV	73	785	0.02%	0.001%
251	15.192	15.171	15.234	VV	217	5802	0.14%	0.008%
252	15.248	15.234	15.271	VV	237	3199	0.08%	0.004%
253	15.279	15.271	15.298	VV	222	2246	0.06%	0.003%
254	15.344	15.298	15.360	VV	323	7326	0.18%	0.010%
255	15.383	15.360	15.418	VV	309	5492	0.14%	0.007%
256	15.435	15.418	15.471	VV	266	5245	0.13%	0.007%
257	15.482	15.471	15.494	VV	147	1629	0.04%	0.002%
258	15.524	15.494	15.600	VV	1792	30885	0.77%	0.040%
259	15.618	15.600	15.652	VV	170	2989	0.07%	0.004%
260	15.671	15.652	15.681	VV	148	1481	0.04%	0.002%
261	15.704	15.681	15.721	VV	256	3651	0.09%	0.005%
262	15.732	15.721	15.742	VV	172	1868	0.05%	0.002%
263	15.758	15.742	15.778	VV	236	3437	0.09%	0.004%
264	15.793	15.778	15.814	VV	199	3041	0.08%	0.004%
265	15.846	15.814	15.881	VV	283	6745	0.17%	0.009%
266	15.898	15.881	15.946	VV	199	5382	0.13%	0.007%
267	16.028	15.946	16.117	VV	285885	3786154	93.91%	4.919%
268	16.127	16.117	16.147	VV	172	1224	0.03%	0.002%
269	16.199	16.147	16.208	PV	286	4815	0.12%	0.006%
270	16.251	16.208	16.303	VV	349	10512	0.26%	0.014%
271	16.336	16.303	16.360	VV	390	6946	0.17%	0.009%
272	16.388	16.360	16.431	VV	274	8253	0.20%	0.011%
273	16.444	16.431	16.458	VV	114	1523	0.04%	0.002%
274	16.497	16.458	16.513	VV	7862	110118	2.73%	0.143%
275	16.527	16.513	16.574	VV	7824	101995	2.53%	0.133%
276	16.585	16.574	16.592	VV	256	2261	0.06%	0.003%
277	16.673	16.592	16.710	VV	568	25886	0.64%	0.034%
278	16.740	16.710	16.792	VV	458	17298	0.43%	0.022%
279	16.818	16.792	16.834	VV	413	8821	0.22%	0.011%
280	16.878	16.834	16.912	VV	7673	101774	2.52%	0.132%
281	16.980	16.912	17.049	VV	276472	3771867	93.55%	4.900%
282	17.094	17.049	17.113	VV	470	14156	0.35%	0.018%
283	17.124	17.113	17.153	VV	463	7397	0.18%	0.010%
284	17.233	17.153	17.274	VV	747	29960	0.74%	0.039%
285	17.307	17.274	17.352	VV	810	20403	0.51%	0.027%
286	17.427	17.352	17.454	VV	3022	58362	1.45%	0.076%
287	17.468	17.454	17.478	VV	364	4990	0.12%	0.006%
288	17.484	17.478	17.504	VV	376	3884	0.10%	0.005%
289	17.522	17.504	17.531	VV	318	4214	0.10%	0.005%
290	17.558	17.531	17.589	VV	729	17021	0.42%	0.022%
291	17.607	17.589	17.624	VV	276	4955	0.12%	0.006%
292	17.639	17.624	17.655	VV	381	5165	0.13%	0.007%
293	17.664	17.655	17.684	VV	272	3705	0.09%	0.005%
294	17.757	17.684	17.798	VV	3242	60993	1.51%	0.079%
295	17.869	17.798	17.908	VV	273746	3826952	94.92%	4.972%
296	17.921	17.908	17.938	VV	370	4790	0.12%	0.006%
297	17.959	17.938	17.980	VV	246	4855	0.12%	0.006%
298	18.028	17.980	18.110	VV	1329	37625	0.93%	0.049%
299	18.131	18.110	18.171	VV	324	7882	0.20%	0.010%

					rteres			
300	18.185	18.171	18.198	VV	240	3045	0.08%	0.004%
301	18.205	18.198	18.211	VV	226	1660	0.04%	0.002%
302	18.247	18.211	18.266	VV	5742	75148	1.86%	0.098%
303	18.288	18.266	18.338	VV	9524	129674	3.22%	0.168%
304	18.393	18.338	18.451	PV	1210	26975	0.67%	0.035%
305	18.502	18.451	18.531	VV	5280	70402	1.75%	0.091%
306	18.548	18.531	18.581	VV	433	7925	0.20%	0.010%
307	18.590	18.581	18.624	VV	281	4584	0.11%	0.006%
308	18.702	18.624	18.755	PV	255858	3793436	94.09%	4.928%
309	18.821	18.755	18.844	PV	672	12608	0.31%	0.016%
310	18.871	18.844	18.928	VV	586	14656	0.36%	0.019%
311	18.952	18.928	18.971	VV	340	5952	0.15%	0.008%
312	18.999	18.971	19.028	VV	270	6140	0.15%	0.008%
313	19.098	19.028	19.131	VV	4941	77222	1.92%	0.100%
314	19.148	19.131	19.191	VV	563	10119	0.25%	0.013%
315	19.220	19.191	19.258	VV	459	11316	0.28%	0.015%
316	19.277	19.258	19.290	VV	367	5236	0.13%	0.007%
317	19.301	19.290	19.308	VV	408	3629	0.09%	0.005%
318	19.315	19.308	19.321	VV	395	2795	0.07%	0.004%
319	19.331	19.321	19.374	VV	438	12590	0.31%	0.016%
320	19.391	19.374	19.404	VV	476	7905	0.20%	0.010%
321	19.418	19.404	19.441	VV	511	10243	0.25%	0.013%
322	19.488	19.441	19.558	VV	258286	3811274	94.53%	4.951%
323	19.634	19.558	19.659	VV	903	38183	0.95%	0.050%
324	19.665	19.659	19.672	VV	720	5541	0.14%	0.007%
325	19.725	19.672	19.757	VV	974	40354	1.00%	0.052%
326	19.776	19.757	19.820	VV	1016	33169	0.82%	0.043%
327	19.860	19.820	19.894	VV	2517	65771	1.63%	0.085%
328	19.939	19.894	19.943	VV	1153	31234	0.77%	0.041%
329	19.963	19.943	20.003	VV	1214	42493	1.05%	0.055%
330	20.041	20.003	20.068	VV	1457	51452	1.28%	0.067%
331	20.132	20.068	20.174	VV	2144	107784	2.67%	0.140%
332	20.229	20.174	20.283	VV	249332	3796257	94.16%	4.932%
333	20.315	20.283	20.333	VV	2004	57913	1.44%	0.075%
334	20.380	20.333	20.431	VV	2162	118184	2.93%	0.154%
335	20.446	20.431	20.471	VV	2130	48335	1.20%	0.063%
336	20.586	20.471	20.690	VV	5487	420313	10.42%	0.546%
337	20.738	20.690	20.761	VV	2032	80230	1.99%	0.104%
338	20.780	20.761	20.834	VV	1904	78175	1.94%	0.102%
339	20.854	20.834	20.943	VV	1715	99814	2.48%	0.130%
340	21.005	20.943	21.081	VV	202377	3797506	94.19%	4.933%
341	21.104	21.081	21.118	VV	1435	30406	0.75%	0.040%
342	21.128	21.118	21.202	VV	1384	63315	1.57%	0.082%
343	21.216	21.202	21.230	VV	1215	19720	0.49%	0.026%
344	21.260	21.230	21.308	VV	1175	51710	1.28%	0.067%
345	21.319	21.308	21.341	VV	1020	19071	0.47%	0.025%
346	21.352	21.341	21.412	VV	973	38832	0.96%	0.050%
347	21.461	21.412	21.547	VV	1517	78402	1.94%	0.102%
348	21.556	21.547	21.567	VV	771	9274	0.23%	0.012%
349	21.578	21.567	21.588	VV	808	9096	0.23%	0.012%
350	21.617	21.588	21.641	VV	799	23376	0.58%	0.030%
351	21.682	21.641	21.708	VV	753	27949	0.69%	0.036%

					rters				
352	21.718	21.708	21.780	VV	725	25506	0.63%	0.033%	
353	21.795	21.780	21.824	VV	572	12773	0.32%	0.017%	
354	21.847	21.824	21.907	VV	500	18874	0.47%	0.025%	
355	21.986	21.907	22.116	VV	134811	3591444	89.08%	4.666%	
356	22.124	22.116	22.142	VV	224	3205	0.08%	0.004%	
357	22.148	22.142	22.161	VV	222	2095	0.05%	0.003%	
358	22.179	22.161	22.238	VV	198	5979	0.15%	0.008%	
359	22.245	22.238	22.298	VV	127	2674	0.07%	0.003%	
					Sum of corrected areas:	76973876			

Aliphatic EPH 040925.M Fri Apr 11 04:59:20 2025



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

Manual Integration Report

Sequence:

FC040925AL

Instrument

FID_c

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:

FC041025AL

Instrument

FID_c

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

FC041125AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1746-05DL	FC068547.D	1-chlorooctadecane (SURR)	yogesh	4/11/2025 7:46:04 AM	mohammad	4/14/2025 12:39:51	Peak Integrated by Software
Q1760-05MS	FC068555.D	n-Nonane (C9)	yogesh	4/11/2025 7:46:07 AM	mohammad	4/14/2025 12:39:51	Peak Integrated by Software
Q1760-05MSD	FC068556.D	n-Decane (C10)	yogesh	4/11/2025 7:46:07 AM	mohammad	4/14/2025 12:39:51	Peak Integrated by Software

Manual Integration Report

Sequence:

FD040725AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
100 PPM AROMATIC HC	FD049232.D	Bnezo[k]fluoranthene (C30.14)	yogesh	4/8/2025 7:46:50 AM	mohammad	4/9/2025 2:58:56	Peak Integrated by Software
100 PPM AROMATIC HC	FD049232.D	Dibenz[a,h]anthracene (C30.36)	yogesh	4/8/2025 7:46:50 AM	mohammad	4/9/2025 2:58:56	Peak Integrated by Software



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

Manual Integration Report

Sequence:

FD040925AR

Instrument

FID_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:

FD041025AR

Instrument

FID_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC040925AL

Review By	yogesh	Review On	4/8/2025 3:04:36 PM
Supervise By	mohammad	Supervise On	4/10/2025 5:31:03 AM
SubDirectory	FC040925AL	HP Acquire Method	HP Processing Method FC040925AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068513.D	08 Apr 2025 13:05	YP/AJ	Ok
2	I.BLK	FC068514.D	08 Apr 2025 13:42	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068515.D	08 Apr 2025 14:19	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068516.D	08 Apr 2025 14:56	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC068517.D	08 Apr 2025 15:34	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC068518.D	08 Apr 2025 16:12	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC068519.D	08 Apr 2025 16:48	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC068520.D	08 Apr 2025 17:26	YP/AJ	Ok
9	I.BLK	FC068521.D	08 Apr 2025 18:41	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC068522.D	08 Apr 2025 19:18	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC041025AL

Review By	yogesh	Review On	4/9/2025 11:49:12 AM
Supervise By	mohammad	Supervise On	4/11/2025 1:23:53 AM
SubDirectory	FC041025AL	HP Acquire Method	HP Processing Method FC040925AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068523.D	09 Apr 2025 08:00	YP/AJ	Ok
2	I.BLK	FC068524.D	09 Apr 2025 11:34	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068525.D	09 Apr 2025 12:11	YP/AJ	Ok
4	PB167528BL	FC068526.D	09 Apr 2025 14:47	YP/AJ	Ok
5	PB167528BS	FC068527.D	09 Apr 2025 15:24	YP/AJ	Ok
6	PB167528BSD	FC068528.D	09 Apr 2025 16:01	YP/AJ	Ok
7	Q1752-01	FC068529.D	09 Apr 2025 16:38	YP/AJ	Ok
8	Q1752-01D	FC068530.D	09 Apr 2025 17:16	YP/AJ	Ok
9	Q1752-01MS	FC068531.D	09 Apr 2025 17:54	YP/AJ	Ok
10	Q1752-01MSD	FC068532.D	09 Apr 2025 18:31	YP/AJ	Ok
11	Q1752-03	FC068533.D	09 Apr 2025 19:08	YP/AJ	Ok
12	I.BLK	FC068534.D	09 Apr 2025 20:23	YP/AJ	Ok
13	20 PPM ALIPHATIC HC STD	FC068535.D	09 Apr 2025 21:00	YP/AJ	Ok
14	PB167524BL	FC068536.D	09 Apr 2025 22:13	YP/AJ	Ok
15	PB167524BS	FC068537.D	09 Apr 2025 22:50	YP/AJ	Ok
16	PB167524BSD	FC068538.D	09 Apr 2025 23:27	YP/AJ	Ok
17	Q1746-07	FC068539.D	10 Apr 2025 00:04	YP/AJ	Ok
18	Q1746-06	FC068540.D	10 Apr 2025 00:41	YP/AJ	Ok
19	Q1746-05	FC068541.D	10 Apr 2025 01:18	YP/AJ	Dilution
20	I.BLK	FC068542.D	10 Apr 2025 02:32	YP/AJ	Ok
21	20 PPM ALIPHATIC HC STD	FC068543.D	10 Apr 2025 03:08	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC041125AL

Review By	yogesh	Review On	4/10/2025 9:24:51 AM
Supervise By	mohammad	Supervise On	4/14/2025 12:39:51 AM
SubDirectory	FC041125AL	HP Acquire Method	HP Processing Method FC040925AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068544.D	10 Apr 2025 06:44	YP/AJ	Ok
2	I.BLK	FC068545.D	10 Apr 2025 07:20	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068546.D	10 Apr 2025 07:56	YP/AJ	Ok
4	Q1746-05DL	FC068547.D	10 Apr 2025 08:48	YP/AJ	Ok,M
5	I.BLK	FC068548.D	10 Apr 2025 10:02	YP/AJ	Ok
6	20 PPM ALIPHATIC HC STD	FC068549.D	10 Apr 2025 11:16	YP/AJ	Ok
7	PB167545BL	FC068550.D	10 Apr 2025 13:35	YP/AJ	Ok
8	PB167545BS	FC068551.D	10 Apr 2025 14:10	YP/AJ	Ok
9	PB167545BSD	FC068552.D	10 Apr 2025 14:48	YP/AJ	Ok
10	Q1760-05	FC068553.D	10 Apr 2025 15:25	YP/AJ	Dilution
11	Q1760-05D	FC068554.D	10 Apr 2025 16:01	YP/AJ	Ok
12	Q1760-05MS	FC068555.D	10 Apr 2025 16:38	YP/AJ	Ok,M
13	Q1760-05MSD	FC068556.D	10 Apr 2025 17:15	YP/AJ	Ok,M
14	Q1760-06	FC068557.D	10 Apr 2025 17:53	YP/AJ	Ok
15	I.BLK	FC068558.D	10 Apr 2025 19:07	YP/AJ	Ok
16	20 PPM ALIPHATIC HC STD	FC068559.D	10 Apr 2025 19:45	YP/AJ	Ok
17	PB167513BL	FC068560.D	10 Apr 2025 21:36	YP/AJ	Ok
18	PB167513BS	FC068561.D	10 Apr 2025 22:14	YP/AJ	Ok
19	PB167513BSD	FC068562.D	10 Apr 2025 22:51	YP/AJ	Ok
20	Q1744-01	FC068563.D	10 Apr 2025 23:28	YP/AJ	Ok
21	Q1744-03	FC068564.D	11 Apr 2025 00:05	YP/AJ	Ok

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC041125AL

Review By	yogesh	Review On	4/10/2025 9:24:51 AM
Supervise By	mohammad	Supervise On	4/14/2025 12:39:51 AM
SubDirectory	FC041125AL	HP Acquire Method	HP Processing Method FC040925AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

22	Q1746-01	FC068565.D	11 Apr 2025 00:41	YP/AJ	Ok
23	Q1746-01D	FC068566.D	11 Apr 2025 01:18	YP/AJ	Ok
24	Q1746-01MS	FC068567.D	11 Apr 2025 01:55	YP/AJ	Ok
25	Q1746-01MSD	FC068568.D	11 Apr 2025 02:32	YP/AJ	Ok
26	Q1746-03	FC068569.D	11 Apr 2025 03:09	YP/AJ	Ok
27	I.BLK	FC068570.D	11 Apr 2025 03:46	YP/AJ	Ok
28	20 PPM ALIPHATIC HC STD	FC068571.D	11 Apr 2025 04:22	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD040725AR

Review By	yogesh	Review On	4/7/2025 3:22:24 PM
Supervise By	mohammad	Supervise On	4/9/2025 2:58:56 AM
SubDirectory	FD040725AR	HP Acquire Method	HP Processing Method FD040725AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC Internal Standard/PEM	PP23971		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23969,PP24199		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049230.D	07 Apr 2025 15:00	YP/AJ	Ok
2	I.BLK	FD049231.D	07 Apr 2025 15:38	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD049232.D	07 Apr 2025 16:15	YP/AJ	Ok,M
4	50 PPM AROMATIC HC STD2	FD049233.D	07 Apr 2025 16:52	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD049234.D	07 Apr 2025 17:30	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD049235.D	07 Apr 2025 18:08	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD049236.D	07 Apr 2025 18:45	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD049237.D	07 Apr 2025 19:23	YP/AJ	Ok
9	I.BLK	FD049238.D	07 Apr 2025 20:37	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD049239.D	07 Apr 2025 21:15	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD040925AR

Review By	yogesh	Review On	4/9/2025 11:50:11 AM
Supervise By	mohammad	Supervise On	4/11/2025 1:23:39 AM
SubDirectory	FD040925AR	HP Acquire Method	HP Processing Method FD040725AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC Internal Standard/PEM	PP23971		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23969,PP24199		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049255.D	09 Apr 2025 08:00	YP/AJ	Ok
2	I.BLK	FD049256.D	09 Apr 2025 11:34	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049257.D	09 Apr 2025 12:11	YP/AJ	Ok
4	PB167524BL	FD049258.D	09 Apr 2025 16:38	YP/AJ	Ok
5	PB167524BS	FD049259.D	09 Apr 2025 17:16	YP/AJ	Ok
6	PB167524BSD	FD049260.D	09 Apr 2025 17:54	YP/AJ	Ok
7	Q1746-07	FD049261.D	09 Apr 2025 18:31	YP/AJ	Ok
8	Q1746-06	FD049262.D	09 Apr 2025 19:08	YP/AJ	Ok
9	Q1746-05	FD049263.D	09 Apr 2025 19:45	YP/AJ	Ok
10	I.BLK	FD049264.D	09 Apr 2025 21:00	YP/AJ	Ok
11	20 PPM AROMATIC HC STD	FD049265.D	09 Apr 2025 21:37	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD041025AR

Review By	yogesh	Review On	4/10/2025 1:50:11 PM
Supervise By	mohammad	Supervise On	4/14/2025 12:40:36 AM
SubDirectory	FD041025AR	HP Acquire Method	HP Processing Method FD040725AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC Internal Standard/PEM	PP23971		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23969,PP24199		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049266.D	10 Apr 2025 06:44	YP/AJ	Ok
2	I.BLK	FD049267.D	10 Apr 2025 13:35	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049268.D	10 Apr 2025 14:10	YP/AJ	Ok
4	PB167513BL	FD049269.D	10 Apr 2025 14:48	YP/AJ	Ok
5	PB167513BS	FD049270.D	10 Apr 2025 15:25	YP/AJ	Ok
6	PB167513BSD	FD049271.D	10 Apr 2025 16:01	YP/AJ	Ok
7	Q1744-01	FD049272.D	10 Apr 2025 16:38	YP/AJ	Ok
8	Q1744-03	FD049273.D	10 Apr 2025 17:15	YP/AJ	Ok
9	Q1746-01	FD049274.D	10 Apr 2025 17:53	YP/AJ	Ok
10	Q1746-01D	FD049275.D	10 Apr 2025 18:31	YP/AJ	Ok
11	Q1746-01MS	FD049276.D	10 Apr 2025 19:07	YP/AJ	Ok
12	Q1746-01MSD	FD049277.D	10 Apr 2025 19:45	YP/AJ	Ok
13	Q1746-03	FD049278.D	10 Apr 2025 20:21	YP/AJ	Ok
14	I.BLK	FD049279.D	10 Apr 2025 21:00	YP/AJ	Ok
15	20 PPM AROMATIC HC STD	FD049280.D	10 Apr 2025 21:36	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC040925AL

Review By	yogesh	Review On	4/8/2025 3:04:36 PM
Supervise By	mohammad	Supervise On	4/10/2025 5:31:03 AM
SubDirectory	FC040925AL	HP Acquire Method	HP Processing Method FC040925AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068513.D	08 Apr 2025 13:05		YP/AJ	Ok
2	I.BLK	I.BLK	FC068514.D	08 Apr 2025 13:42		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC068515.D	08 Apr 2025 14:19		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068516.D	08 Apr 2025 14:56		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068517.D	08 Apr 2025 15:34		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC068518.D	08 Apr 2025 16:12		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC068519.D	08 Apr 2025 16:48		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068520.D	08 Apr 2025 17:26		YP/AJ	Ok
9	I.BLK	I.BLK	FC068521.D	08 Apr 2025 18:41		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068522.D	08 Apr 2025 19:18		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC041025AL

Review By	yogesh	Review On	4/9/2025 11:49:12 AM
Supervise By	mohammad	Supervise On	4/11/2025 1:23:53 AM
SubDirectory	FC041025AL	HP Acquire Method	HP Processing Method FC040925AL

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068523.D	09 Apr 2025 08:00		YP/AJ	Ok
2	I.BLK	I.BLK	FC068524.D	09 Apr 2025 11:34		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068525.D	09 Apr 2025 12:11		YP/AJ	Ok
4	PB167528BL	PB167528BL	FC068526.D	09 Apr 2025 14:47		YP/AJ	Ok
5	PB167528BS	PB167528BS	FC068527.D	09 Apr 2025 15:24		YP/AJ	Ok
6	PB167528BSD	PB167528BSD	FC068528.D	09 Apr 2025 16:01		YP/AJ	Ok
7	Q1752-01	TP-1	FC068529.D	09 Apr 2025 16:38		YP/AJ	Ok
8	Q1752-01D	Q1752-01D	FC068530.D	09 Apr 2025 17:16		YP/AJ	Ok
9	Q1752-01MS	TP-1MS	FC068531.D	09 Apr 2025 17:54	FC068529.D	YP/AJ	Ok
10	Q1752-01MSD	TP-1MSD	FC068532.D	09 Apr 2025 18:31	FC068529.D\FC068531.D	YP/AJ	Ok
11	Q1752-03	TP-2	FC068533.D	09 Apr 2025 19:08		YP/AJ	Ok
12	I.BLK	I.BLK	FC068534.D	09 Apr 2025 20:23		YP/AJ	Ok
13	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068535.D	09 Apr 2025 21:00		YP/AJ	Ok
14	PB167524BL	PB167524BL	FC068536.D	09 Apr 2025 22:13		YP/AJ	Ok
15	PB167524BS	PB167524BS	FC068537.D	09 Apr 2025 22:50	PB167524BS- naphthalene break down - 4.92, 2-methylnephthalene break down - 4.63	YP/AJ	Ok

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC041025AL

Review By	yogesh	Review On	4/9/2025 11:49:12 AM				
Supervise By	mohammad	Supervise On	4/11/2025 1:23:53 AM				
SubDirectory	FC041025AL	HP Acquire Method	HP Processing Method		FC040925AL		
STD. NAME		STD REF.#					
Tune/Reschk Initial Calibration Stds		PP24170,PP24175,PP24176,PP24177,PP24178					
CCC Internal Standard/PEM		PP24176					
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		PP24174,PP24179					

16	PB167524BSD	PB167524BSD	FC068538.D	09 Apr 2025 23:27	PB167524BSD- naphthalene break down - 4.96, 2-methylnephthalene break down - 4.60	YP/AJ	Ok
17	Q1746-07	EB-2025-4-7	FC068539.D	10 Apr 2025 00:04		YP/AJ	Ok
18	Q1746-06	B-149-GW01	FC068540.D	10 Apr 2025 00:41		YP/AJ	Ok
19	Q1746-05	B-158-GW01	FC068541.D	10 Apr 2025 01:18	need 10x dilution	YP/AJ	Dilution
20	I.BLK	I.BLK	FC068542.D	10 Apr 2025 02:32		YP/AJ	Ok
21	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068543.D	10 Apr 2025 03:08		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC041125AL

Review By	yogesh	Review On	4/10/2025 9:24:51 AM
Supervise By	mohammad	Supervise On	4/14/2025 12:39:51 AM
SubDirectory	FC041125AL	HP Acquire Method	HP Processing Method FC040925AL

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068544.D	10 Apr 2025 06:44		YP/AJ	Ok
2	I.BLK	I.BLK	FC068545.D	10 Apr 2025 07:20		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068546.D	10 Apr 2025 07:56		YP/AJ	Ok
4	Q1746-05DL	B-158-GW01DL	FC068547.D	10 Apr 2025 08:48		YP/AJ	Ok,M
5	I.BLK	I.BLK	FC068548.D	10 Apr 2025 10:02		YP/AJ	Ok
6	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068549.D	10 Apr 2025 11:16		YP/AJ	Ok
7	PB167545BL	PB167545BL	FC068550.D	10 Apr 2025 13:35		YP/AJ	Ok
8	PB167545BS	PB167545BS	FC068551.D	10 Apr 2025 14:10		YP/AJ	Ok
9	PB167545BSD	PB167545BSD	FC068552.D	10 Apr 2025 14:48		YP/AJ	Ok
10	Q1760-05	TP-15	FC068553.D	10 Apr 2025 15:25	need 5x dilution	YP/AJ	Dilution
11	Q1760-05D	Q1760-05D	FC068554.D	10 Apr 2025 16:01		YP/AJ	Ok
12	Q1760-05MS	TP-15MS	FC068555.D	10 Apr 2025 16:38	FC068553.D	YP/AJ	Ok,M
13	Q1760-05MSD	TP-15MSD	FC068556.D	10 Apr 2025 17:15	FC068553.D!FC068555.D	YP/AJ	Ok,M
14	Q1760-06	TP-15-EPH	FC068557.D	10 Apr 2025 17:53		YP/AJ	Ok
15	I.BLK	I.BLK	FC068558.D	10 Apr 2025 19:07		YP/AJ	Ok
16	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068559.D	10 Apr 2025 19:45		YP/AJ	Ok
17	PB167513BL	PB167513BL	FC068560.D	10 Apr 2025 21:36		YP/AJ	Ok

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC041125AL

Review By	yogesh	Review On	4/10/2025 9:24:51 AM
Supervise By	mohammad	Supervise On	4/14/2025 12:39:51 AM
SubDirectory	FC041125AL	HP Acquire Method	HP Processing Method FC040925AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

18	PB167513BS	PB167513BS	FC068561.D	10 Apr 2025 22:14	naphthalene break down - 0.189, 2-methylnepthalene break down - 0.408	YP/AJ	Ok
19	PB167513BSD	PB167513BSD	FC068562.D	10 Apr 2025 22:51	naphthalene break down - 0.283, 2-methylnepthalene break down - 0.335	YP/AJ	Ok
20	Q1744-01	B-158-SB01	FC068563.D	10 Apr 2025 23:28		YP/AJ	Ok
21	Q1744-03	B-158-SB02	FC068564.D	11 Apr 2025 00:05		YP/AJ	Ok
22	Q1746-01	B-149-SB01	FC068565.D	11 Apr 2025 00:41		YP/AJ	Ok
23	Q1746-01D	Q1746-01D	FC068566.D	11 Apr 2025 01:18		YP/AJ	Ok
24	Q1746-01MS	B-149-SB01MS	FC068567.D	11 Apr 2025 01:55	FC068565.D	YP/AJ	Ok
25	Q1746-01MSD	B-149-SB01MSD	FC068568.D	11 Apr 2025 02:32	FC068565.D!FC068567.D	YP/AJ	Ok
26	Q1746-03	B-149-SB02	FC068569.D	11 Apr 2025 03:09		YP/AJ	Ok
27	I.BLK	I.BLK	FC068570.D	11 Apr 2025 03:46		YP/AJ	Ok
28	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068571.D	11 Apr 2025 04:22		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD040725AR

Review By	yogesh	Review On	4/7/2025 3:22:24 PM
Supervise By	mohammad	Supervise On	4/9/2025 2:58:56 AM
SubDirectory	FD040725AR	HP Acquire Method	HP Processing Method FD040725AR

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24199
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049230.D	07 Apr 2025 15:00		YP/AJ	Ok
2	I.BLK	I.BLK	FD049231.D	07 Apr 2025 15:38		YP/AJ	Ok
3	100 PPM AROMATIC HC	100 PPM AROMATIC HC	FD049232.D	07 Apr 2025 16:15		YP/AJ	Ok,M
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD049233.D	07 Apr 2025 16:52		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049234.D	07 Apr 2025 17:30		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD049235.D	07 Apr 2025 18:08		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD049236.D	07 Apr 2025 18:45		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049237.D	07 Apr 2025 19:23		YP/AJ	Ok
9	I.BLK	I.BLK	FD049238.D	07 Apr 2025 20:37		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049239.D	07 Apr 2025 21:15		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD040925AR

Review By	yogesh	Review On	4/9/2025 11:50:11 AM
Supervise By	mohammad	Supervise On	4/11/2025 1:23:39 AM
SubDirectory	FD040925AR	HP Acquire Method	HP Processing Method FD040725AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC	PP23971		
Internal Standard/PEM			
ICV/I.BLK	PP23969,PP24199		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049255.D	09 Apr 2025 08:00		YP/AJ	Ok
2	I.BLK	I.BLK	FD049256.D	09 Apr 2025 11:34		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049257.D	09 Apr 2025 12:11		YP/AJ	Ok
4	PB167524BL	PB167524BL	FD049258.D	09 Apr 2025 16:38		YP/AJ	Ok
5	PB167524BS	PB167524BS	FD049259.D	09 Apr 2025 17:16	PB167524BS- naphthalene break down - 4.92, 2-methylnepthalene break down - 4.63	YP/AJ	Ok
6	PB167524BSD	PB167524BSD	FD049260.D	09 Apr 2025 17:54	PB167524BSD- naphthalene break down - 4.96, 2-methylnepthalene break down - 4.60	YP/AJ	Ok
7	Q1746-07	EB-2025-4-7	FD049261.D	09 Apr 2025 18:31		YP/AJ	Ok
8	Q1746-06	B-149-GW01	FD049262.D	09 Apr 2025 19:08		YP/AJ	Ok
9	Q1746-05	B-158-GW01	FD049263.D	09 Apr 2025 19:45		YP/AJ	Ok
10	I.BLK	I.BLK	FD049264.D	09 Apr 2025 21:00		YP/AJ	Ok
11	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049265.D	09 Apr 2025 21:37		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD041025AR

Review By	yogesh	Review On	4/10/2025 1:50:11 PM
Supervise By	mohammad	Supervise On	4/14/2025 12:40:36 AM
SubDirectory	FD041025AR	HP Acquire Method	HP Processing Method FD040725AR

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC Internal Standard/PEM	PP23971
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23969,PP24199

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049266.D	10 Apr 2025 06:44		YP/AJ	Ok
2	I.BLK	I.BLK	FD049267.D	10 Apr 2025 13:35		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049268.D	10 Apr 2025 14:10		YP/AJ	Ok
4	PB167513BL	PB167513BL	FD049269.D	10 Apr 2025 14:48		YP/AJ	Ok
5	PB167513BS	PB167513BS	FD049270.D	10 Apr 2025 15:25	naphthalene break down - 0.189, 2-methylnepthalene break down - 0.408	YP/AJ	Ok
6	PB167513BSD	PB167513BSD	FD049271.D	10 Apr 2025 16:01	naphthalene break down - 0.283, 2-methylnepthalene break down - 0.335	YP/AJ	Ok
7	Q1744-01	B-158-SB01	FD049272.D	10 Apr 2025 16:38		YP/AJ	Ok
8	Q1744-03	B-158-SB02	FD049273.D	10 Apr 2025 17:15		YP/AJ	Ok
9	Q1746-01	B-149-SB01	FD049274.D	10 Apr 2025 17:53		YP/AJ	Ok
10	Q1746-01D	Q1746-01D	FD049275.D	10 Apr 2025 18:31		YP/AJ	Ok
11	Q1746-01MS	B-149-SB01MS	FD049276.D	10 Apr 2025 19:07	FD049274.D	YP/AJ	Ok
12	Q1746-01MSD	B-149-SB01MSD	FD049277.D	10 Apr 2025 19:45	FD049274.D!FD049276.D	YP/AJ	Ok
13	Q1746-03	B-149-SB02	FD049278.D	10 Apr 2025 20:21		YP/AJ	Ok
14	I.BLK	I.BLK	FD049279.D	10 Apr 2025 21:00		YP/AJ	Ok
15	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049280.D	10 Apr 2025 21:36		YP/AJ	Ok

M : Manual Integration

SOP ID:	MNJDEP-EPH-7		
Clean Up SOP #:	N/A	Extraction Start Date :	04/08/2025
Matrix :	Solid	Extraction Start Time :	10:10
Welgh By:	EH	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
Extraction Method:	☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		
Extraction End Date :	04/08/2025		
Extraction End Time :	16:25		
Concentration By:	EH		
Supervisor By :	rajesh		

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24207
Surrogate	1.0ML	100 PPM	PP24432
Fractionation Surrogate	1.0ML	100 PPM	PP24403
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	EP2591
Baked Na2SO4	N/A	EP2599
Sand	N/A	E2865
Hexane	N/A	E3916
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210473.

KD Bath ID:	N/A	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/08/25	RP (Ext Lab)	Y P-pest IRB
16:30	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 04/08/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167513BL	PB167513BL	EPH	30.02	N/A	ritesh	Evelyn	2			U6-1
PB167513BS	PB167513BS	EPH	30.03	N/A	ritesh	Evelyn	2			2
PB167513BSD	PB167513BSD	EPH	30.01	N/A	ritesh	Evelyn	2			3
Q1744-01	B-158-SB01	EPH	30.07	N/A	ritesh	Evelyn	2	E		4
Q1744-03	B-158-SB02	EPH	30.05	N/A	ritesh	Evelyn	2	E		5
Q1746-01	B-149-SB01	EPH	30.02	N/A	ritesh	Evelyn	2	E		6
Q1746-01DUP	B-149-SB01DUP	EPH	30.04	N/A	ritesh	Evelyn	2	E		U3-1
Q1746-01MS	B-149-SB01MS	EPH	30.03	N/A	ritesh	Evelyn	2	E		2
Q1746-01MSD	B-149-SB01MSD	EPH	30.06	N/A	ritesh	Evelyn	2	E		3
Q1746-03	B-149-SB02	EPH	30.05	N/A	ritesh	Evelyn	2	F		4

* Extracts relinquished on the same date as received.

8/8/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1743

WorkList ID : 188791

Department : Extraction

Date : 04-08-2025 08:13:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1740-01	TP-20	Solid	EPH_NF	Cool 4 deg C	PSEG03	L21	04/04/2025	NJEPH
Q1740-02	TP-20-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	L21	04/04/2025	NJEPH
Q1742-01	TR-06-040725	Solid	EPH_NF	Cool 4 deg C	PSEG05		04/04/2025	NJEPH
Q1742-02	TR-06-040725-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05		04/04/2025	NJEPH
Q1743-01	TP-16	Solid	EPH_NF	Cool 4 deg C	PSEG03	L33	04/07/2025	NJEPH
Q1743-02	TP-16-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	L33	04/07/2025	NJEPH
Q1744-01	B-158-SB01	Solid	EPH	Cool 4 deg C	PORT06	L41	04/05/2025	NJEPH
Q1744-03	B-158-SB02	Solid	EPH	Cool 4 deg C	PORT06	L41	04/05/2025	NJEPH
Q1745-01	IB-6A-WC	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	04/07/2025	NJEPH
Q1745-02	IB-6A-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	04/07/2025	NJEPH
Q1745-09	IB-6.5-WC	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	04/07/2025	NJEPH
Q1745-10	IB-6.5-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	04/07/2025	NJEPH
Q1746-01	B-149-SB01	Solid	EPH	Cool 4 deg C	PORT06	L41	04/05/2025	NJEPH
Q1746-03	B-149-SB02	Solid	EPH	Cool 4 deg C	PORT06	L41	04/06/2025	NJEPH
Q1747-01	ARS20-0008	Solid	EPH_NF	Cool 4 deg C	PSEG03	I41	04/07/2025	NJEPH
Q1747-02	ARS20-0008-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	I41	04/07/2025	NJEPH

Date/Time 04/08/25 10:05

Raw Sample Received by: RJ (Sep 104)

Raw Sample Relinquished by: CJ Sm

Date/Time 04/08/25 10:25

Raw Sample Received by: CJ Sm

Raw Sample Relinquished by: RJ (Sep 104)

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix: Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date: 04/09/2025

Extraction Start Time: 08:20

Extraction End Date: 04/09/2025

Extraction End Time: 16:15

Concentration By: EH

Supervisor By: rajesh

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24207
Surrogate	1.0ML	100 PPM	PP24432
Fractionation Surrogate	1.0ML	100 PPM	PP24403
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3926
Baked Na2SO4	N/A	EP2599
Hexane	N/A	E3916
6N HCL	N/A	EP2569
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

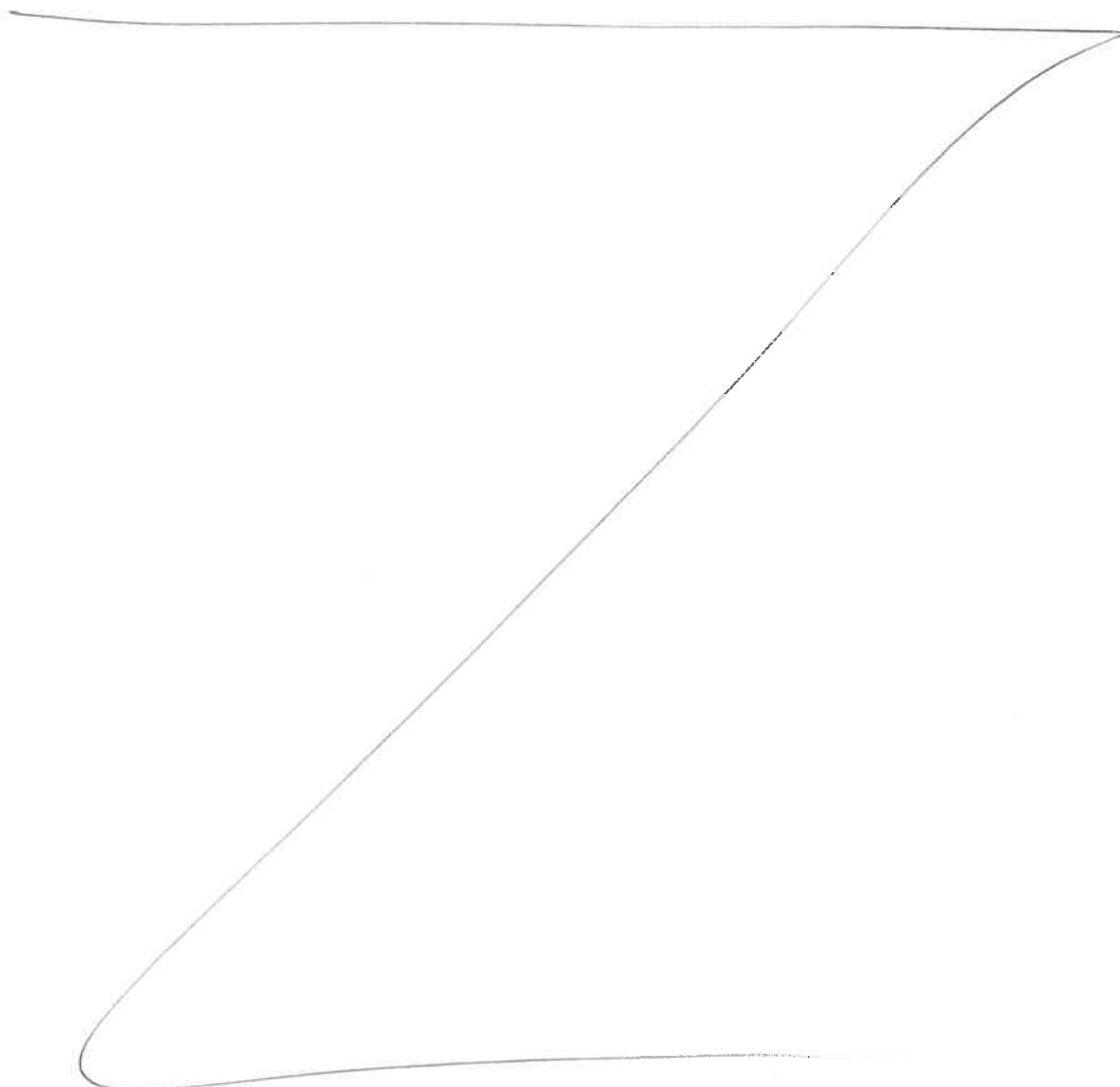
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/09/25	RPC (Set 1a)	Y-P. Pestipus
16:20	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 04/09/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167524BL	PB167524BL	EPH	1000	<2	ritesh	rajesh	2			SEP-01
PB167524BS	PB167524BS	EPH	1000	<2	ritesh	rajesh	2			2
PB167524BSD	PB167524BSD	EPH	1000	<2	ritesh	rajesh	2			3
Q1746-05	B-158-GW01	EPH	980	<2	ritesh	rajesh	2	H		4
Q1746-06	B-149-GW01	EPH	980	<2	ritesh	rajesh	2	H		5
Q1746-07	EB-2025-4-7	EPH	970	<2	ritesh	rajesh	2	I		6



* Extracts relinquished on the same date as received.

8/4/25

157524
8:20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1746E

WorkList ID : 188824

Department : Extraction

Date : 04-09-2025 08:16:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1746-05	B-158-GW01	Water	EPH	1:1 HCl to pH < 2	PORT06	L41	04/05/2025	NJEPH
Q1746-06	B-149-GW01	Water	EPH	1:1 HCl to pH < 2	PORT06	L41	04/06/2025	NJEPH
Q1746-07	EB-2025-4-7	Water	EPH	1:1 HCl to pH < 2	PORT06	L41	04/07/2025	NJEPH

Date/Time 04/09/25 8:17
Raw Sample Received by: RJ (Let 706)
Raw Sample Relinquished by: CP SM

Date/Time 04/09/25 8:40
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (Let 706)

LAB CHRONICLE

OrderID:	Q1746	OrderDate:	4/7/2025 12:00:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1746-01	B-149-SB01	SOIL			04/05/25			04/07/25
			PCB	8082A		04/08/25	04/08/25	
			TPH GC	8015D		04/08/25	04/08/25	
			EPH	NJEPH		04/08/25	04/10/25	
			EPH	NJEPH		04/08/25	04/11/25	
Q1746-02	B-149-SB01	TCLP			04/05/25			04/07/25
			TCLP Herbicide	8151A		04/09/25	04/10/25	
Q1746-03	B-149-SB02	SOIL			04/06/25			04/07/25
			PCB	8082A		04/08/25	04/08/25	
			TPH GC	8015D		04/08/25	04/08/25	
			EPH	NJEPH		04/08/25	04/10/25	
			EPH	NJEPH		04/08/25	04/11/25	
Q1746-04	B-149-SB02	TCLP			04/06/25			04/07/25
			TCLP Herbicide	8151A		04/09/25	04/10/25	
Q1746-05	B-158-GW01	Water			04/05/25			04/07/25
			EPH	NJEPH		04/09/25	04/09/25	
			EPH	NJEPH		04/09/25	04/10/25	
			PCB	8082A		04/08/25	04/08/25	
Q1746-05DL	B-158-GW01DL	Water			04/05/25			04/07/25
			EPH	NJEPH		04/09/25	04/10/25	
Q1746-06	B-149-GW01	WATER			04/06/25			04/07/25
			PCB	8082A		04/08/25	04/08/25	
			EPH	NJEPH		04/09/25	04/09/25	
			EPH	NJEPH		04/09/25	04/10/25	
Q1746-07	EB-2025-4-7	WATER			04/07/25			04/07/25

LAB CHRONICLE

PCB	8082A	04/08/25	04/08/25
EPH	NJEPH	04/09/25	04/09/25
EPH	NJEPH	04/09/25	04/10/25