



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/07/25 13:37	05/08/25 18:31	PB167903

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.17	U	1	0.17	1.21	mg/kg	FC068800.D
Aliphatic C12-C16	Aliphatic C12-C16	0.17	J	1	0.13	0.81	mg/kg	FC068800.D
Aliphatic C16-C21	Aliphatic C16-C21	0.16	U	1	0.16	1.21	mg/kg	FC068800.D
Aliphatic C21-C28	Aliphatic C21-C28	0.64	U	1	0.64	1.61	mg/kg	FC068800.D
Aliphatic C28-C40	Aliphatic C28-C40	1.42	U	1	1.42	2.41	mg/kg	FC068800.D
Aromatic C10-C12	Aromatic C10-C12	0.37	J	1	0.14	0.81	mg/kg	FD049326.D
Aromatic C12-C16	Aromatic C12-C16	0.63	J	1	0.28	1.21	mg/kg	FD049326.D
Aromatic C16-C21	Aromatic C16-C21	5.47		1	0.48	2.01	mg/kg	FD049326.D
Aromatic C21-C36	Aromatic C21-C36	3.76		1	1.44	3.22	mg/kg	FD049326.D
Total AliphaticEPH	Total AliphaticEPH	2.52	U		2.52	7.25	mg/kg	
Total AromaticEPH	Total AromaticEPH	10.2			2.35	7.25	mg/kg	
Total EPH	Total EPH	10.4	J		4.87	14.5	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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068800.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.17	U	0.17	1.21	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.17	J	0.13	0.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.16	U	0.16	1.21	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.64	U	0.64	1.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.42	U	1.42	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	59.2		40 - 140	118%	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:	Q1901-02	Acq On:	08 May 2025 18:31
Client Sample ID:	B-167-SB01	Operator:	YP/AJ
Data file:	FC068800.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.342	6.642	120888	1.219	300	ug/ml
Aliphatic C12-C16	6.643	10.042	195175	2.145	200	ug/ml
Aliphatic C16-C21	10.043	13.408	0	0	300	ug/ml
Aliphatic C21-C28	13.409	17.072	0	0	400	ug/ml
Aliphatic C28-C40	17.073	22.071	0	0	600	ug/ml
Aliphatic EPH	3.342	22.071	316063	3.365		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.145	13.145	4752739	59.24		ug/ml
Aliphatic C9-C28	3.342	17.072	316063	3.364	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049326.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.37	J	0.14	0.81	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.63	J	0.28	1.21	mg/kg
Aromatic C16-C21	Aromatic C16-C21	5.47		0.48	2.01	mg/kg
Aromatic C21-C36	Aromatic C21-C36	3.76		1.44	3.22	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	49.9		40 - 140	100%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	50.0		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	57.2		40 - 140	114%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1901-02	Acq On:	08 May 2025 17:53
Client Sample ID:	B-167-SB01	Operator:	YP/AJ
Data file:	FD049326.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	4.431	6.176	587495	4.571	200	ug/ml
Aromatic C12-C16	6.177	8.805	1056316	7.783	300	ug/ml
Aromatic C16-C21	8.806	13.095	8915470	67.995	500	ug/ml
Aromatic C21-C36	13.0956	18.515	5479238	46.69	800	ug/ml
Aromatic EPH	4.431	18.515	16038519	127.038		ug/ml
2-Bromonaphthalene (SURRE)	7.741	7.741	5920352	49.93		ug/ml
2-Fluorobiphenyl (SURRE)	8.606	8.606	3946659	49.98		ug/ml
ortho-Terphenyl (SURRE)	11.653	11.653	7896457	57.21		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83
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
05/07/25 13:37	05/08/25 19:09	PB167903

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.17	U	1	0.17	1.20	mg/kg	FC068801.D
Aliphatic C12-C16	Aliphatic C12-C16	0.13	U	1	0.13	0.80	mg/kg	FC068801.D
Aliphatic C16-C21	Aliphatic C16-C21	0.16	U	1	0.16	1.20	mg/kg	FC068801.D
Aliphatic C21-C28	Aliphatic C21-C28	0.64	U	1	0.64	1.60	mg/kg	FC068801.D
Aliphatic C28-C40	Aliphatic C28-C40	1.42	U	1	1.42	2.41	mg/kg	FC068801.D
Aromatic C10-C12	Aromatic C10-C12	0.61	J	1	0.14	0.80	mg/kg	FD049327.D
Aromatic C12-C16	Aromatic C12-C16	1.45		1	0.28	1.20	mg/kg	FD049327.D
Aromatic C16-C21	Aromatic C16-C21	20.1		1	0.48	2.00	mg/kg	FD049327.D
Aromatic C21-C36	Aromatic C21-C36	19.0		1	1.43	3.21	mg/kg	FD049327.D
Total AliphaticEPH	Total AliphaticEPH	2.51	U		2.51	7.21	mg/kg	
Total AromaticEPH	Total AromaticEPH	41.2			2.33	7.21	mg/kg	
Total EPH	Total EPH	41.2			4.84	14.4	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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83
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
FC068801.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.17	U	0.17	1.20	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.13	U	0.13	0.80	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.16	U	0.16	1.20	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.64	U	0.64	1.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.42	U	1.42	2.41	mg/kg
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:	Q1901-03	Acq On:	08 May 2025 19:09
Client Sample ID:	B-170-SB01	Operator:	YP/AJ
Data file:	FC068801.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.342	6.642	76596	0.773	300	ug/ml
Aliphatic C12-C16	6.643	10.042	44047	0.484	200	ug/ml
Aliphatic C16-C21	10.043	13.408	85783	1	300	ug/ml
Aliphatic C21-C28	13.409	17.072	201349	2.423	400	ug/ml
Aliphatic C28-C40	17.073	22.071	0	0	600	ug/ml
Aliphatic EPH	3.342	22.071	407775	4.68		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.143	13.143	3145610	39.21		ug/ml
Aliphatic C9-C28	3.342	17.072	407775	4.68	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83
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
FD049327.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.61	J	0.14	0.80	mg/kg
Aromatic C12-C16	Aromatic C12-C16	1.45		0.28	1.20	mg/kg
Aromatic C16-C21	Aromatic C16-C21	20.1		0.48	2.00	mg/kg
Aromatic C21-C36	Aromatic C21-C36	19.0		1.43	3.21	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	61.5		40 - 140	123%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	63.6		40 - 140	127%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.4		40 - 140	85%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1901-03	Acq On:	08 May 2025 18:31
Client Sample ID:	B-170-SB01	Operator:	YP/AJ
Data file:	FD049327.D	Misc:	
Instrument:	FID_D	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.431	6.176	976606	7.598	200	ug/ml
Aromatic C12-C16	6.177	8.805	2452944	18.073	300	ug/ml
Aromatic C16-C21	8.806	13.095	32947919	251.28	500	ug/ml
Aromatic C21-C36	13.0956	18.515	27860467	237.406	800	ug/ml
Aromatic EPH	4.431	18.515	64237936	514.356		ug/ml
2-Bromonaphthalene (SURRE)	7.742	7.742	7294212	61.52		ug/ml
2-Fluorobiphenyl (SURRE)	8.608	8.608	5025132	63.63		ug/ml
ortho-Terphenyl (SURRE)	11.652	11.652	5845951	42.36		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	53.2
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
05/07/25 13:37	05/08/25 19:47	PB167903

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.26	U	1	0.26	1.88	mg/kg	FC068802.D
Aliphatic C12-C16	Aliphatic C12-C16	2.11		1	0.21	1.25	mg/kg	FC068802.D
Aliphatic C16-C21	Aliphatic C16-C21	0.24	U	1	0.24	1.88	mg/kg	FC068802.D
Aliphatic C21-C28	Aliphatic C21-C28	1.00	U	1	1.00	2.50	mg/kg	FC068802.D
Aliphatic C28-C40	Aliphatic C28-C40	2.22	U	1	2.22	3.76	mg/kg	FC068802.D
Aromatic C10-C12	Aromatic C10-C12	0.51	J	1	0.23	1.25	mg/kg	FD049328.D
Aromatic C12-C16	Aromatic C12-C16	0.65	J	1	0.43	1.88	mg/kg	FD049328.D
Aromatic C16-C21	Aromatic C16-C21	3.65		1	0.75	3.13	mg/kg	FD049328.D
Aromatic C21-C36	Aromatic C21-C36	3.46	J	1	2.24	5.01	mg/kg	FD049328.D
Total AliphaticEPH	Total AliphaticEPH	3.93	U		3.93	11.3	mg/kg	
Total AromaticEPH	Total AromaticEPH	8.27	J		3.65	11.3	mg/kg	
Total EPH	Total EPH	10.4	J		7.58	22.5	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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	53.2
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
FC068802.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.26	U	0.26	1.88	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	2.11		0.21	1.25	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.24	U	0.24	1.88	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.00	U	1.00	2.50	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.22	U	2.22	3.76	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	62.7		40 - 140	125%	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:	Q1901-04	Acq On:	08 May 2025 19:47
Client Sample ID:	B-167-SB02	Operator:	YP/AJ
Data file:	FC068802.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	3.342	6.642	41529	0.419	300	ug/ml
Aliphatic C12-C16	6.643	10.042	1532288	16.841	200	ug/ml
Aliphatic C16-C21	10.043	13.408	0	0	300	ug/ml
Aliphatic C21-C28	13.409	17.072	53201	0.64	400	ug/ml
Aliphatic C28-C40	17.073	22.071	113958	1.347	600	ug/ml
Aliphatic EPH	3.342	22.071	1740976	19.247		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.145	13.145	5032167	62.72		ug/ml
Aliphatic C9-C28	3.342	17.072	1627018	17.9	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	53.2
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
FD049328.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.51	J	0.23	1.25	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.65	J	0.43	1.88	mg/kg
Aromatic C16-C21	Aromatic C16-C21	3.65		0.75	3.13	mg/kg
Aromatic C21-C36	Aromatic C21-C36	3.46	J	2.24	5.01	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	53.7		40 - 140	107%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	36.9		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.7		40 - 140	81%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1901-04	Acq On:	08 May 2025 19:09
Client Sample ID:	B-167-SB02	Operator:	YP/AJ
Data file:	FD049328.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	4.431	6.176	522195	4.063	200	ug/ml
Aromatic C12-C16	6.177	8.805	708194	5.218	300	ug/ml
Aromatic C16-C21	8.806	13.095	3817305	29.113	500	ug/ml
Aromatic C21-C36	13.0956	18.515	3237785	27.59	800	ug/ml
Aromatic EPH	4.431	18.515	8285479	65.983		ug/ml
2-Bromonaphthalene (SURRE)	7.742	7.742	6364997	53.68		ug/ml
2-Fluorobiphenyl (SURRE)	8.605	8.605	2914629	36.91		ug/ml
ortho-Terphenyl (SURRE)	11.651	11.651	5613078	40.67		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/07/25 13:37	05/08/25 22:19	PB167903

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.19	U	1	0.19	1.33	mg/kg	FC068806.D
Aliphatic C12-C16	Aliphatic C12-C16	0.25	J	1	0.15	0.89	mg/kg	FC068806.D
Aliphatic C16-C21	Aliphatic C16-C21	0.17	U	1	0.17	1.33	mg/kg	FC068806.D
Aliphatic C21-C28	Aliphatic C21-C28	0.71	U	1	0.71	1.77	mg/kg	FC068806.D
Aliphatic C28-C40	Aliphatic C28-C40	1.57	U	1	1.57	2.66	mg/kg	FC068806.D
Aromatic C10-C12	Aromatic C10-C12	0.31	J	1	0.16	0.89	mg/kg	FD049332.D
Aromatic C12-C16	Aromatic C12-C16	0.42	J	1	0.31	1.33	mg/kg	FD049332.D
Aromatic C16-C21	Aromatic C16-C21	2.40		1	0.53	2.22	mg/kg	FD049332.D
Aromatic C21-C36	Aromatic C21-C36	1.80	J	1	1.58	3.55	mg/kg	FD049332.D
Total AliphaticEPH	Total AliphaticEPH	2.78	U		2.78	7.98	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.93	J		2.58	7.99	mg/kg	
Total EPH	Total EPH	5.36	U		5.36	16.0	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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068806.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.19	U	0.19	1.33	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.25	J	0.15	0.89	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.17	U	0.17	1.33	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.71	U	0.71	1.77	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.57	U	1.57	2.66	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.7		40 - 140	61%	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:	Q1901-05	Acq On:	08 May 2025 22:19
Client Sample ID:	B-170-SB02	Operator:	YP/AJ
Data file:	FC068806.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	3.342	6.642	0	0	300	ug/ml
Aliphatic C12-C16	6.643	10.042	257978	2.835	200	ug/ml
Aliphatic C16-C21	10.043	13.408	0	0	300	ug/ml
Aliphatic C21-C28	13.409	17.072	0	0	400	ug/ml
Aliphatic C28-C40	17.073	22.071	0	0	600	ug/ml
Aliphatic EPH	3.342	22.071	257978	2.835		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.142	13.142	2465882	30.74		ug/ml
Aliphatic C9-C28	3.342	17.072	257978	2.835	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049332.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.31	J	0.16	0.89	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.42	J	0.31	1.33	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.40		0.53	2.22	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.80	J	1.58	3.55	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	56.9		40 - 140	114%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	54.0		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.1		40 - 140	58%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1901-05	Acq On:	08 May 2025 21:41
Client Sample ID:	B-170-SB02	Operator:	YP/AJ
Data file:	FD049332.D	Misc:	
Instrument:	FID_D	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.431	6.176	446581	3.474	200	ug/ml
Aromatic C12-C16	6.177	8.805	643402	4.74	300	ug/ml
Aromatic C16-C21	8.806	13.095	3552725	27.095	500	ug/ml
Aromatic C21-C36	13.0956	18.515	2378123	20.265	800	ug/ml
Aromatic EPH	4.431	18.515	7020831	55.575		ug/ml
2-Bromonaphthalene (SURRE)	7.741	7.741	6746093	56.9		ug/ml
2-Fluorobiphenyl (SURRE)	8.607	8.607	4263173	53.98		ug/ml
ortho-Terphenyl (SURRE)	11.650	11.650	4011652	29.07		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	FB04262025	SDG No.:	Q1901
Lab Sample ID:	Q1901-06	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
05/01/25 09:40	05/02/25 14:40	PB167840

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.81	U	1	8.81	31.9	ug/l	FC068746.D
Aliphatic C12-C16	Aliphatic C12-C16	14.4	U	1	14.4	21.3	ug/l	FC068746.D
Aliphatic C16-C21	Aliphatic C16-C21	8.87	U	1	8.87	31.9	ug/l	FC068746.D
Aliphatic C21-C28	Aliphatic C21-C28	13.3	U	1	13.3	42.6	ug/l	FC068746.D
Aliphatic C28-C40	Aliphatic C28-C40	25.3	U	1	25.3	63.8	ug/l	FC068746.D
Aromatic C10-C12	Aromatic C10-C12	3.18	J	1	2.20	21.3	ug/l	FD049313.D
Aromatic C12-C16	Aromatic C12-C16	4.53	U	1	4.53	31.9	ug/l	FD049313.D
Aromatic C16-C21	Aromatic C16-C21	49.7	J	1	8.80	53.2	ug/l	FD049313.D
Aromatic C21-C36	Aromatic C21-C36	25.3	U	1	25.3	85.1	ug/l	FD049313.D
Total AliphaticEPH	Total AliphaticEPH	70.7	U		70.7	192	ug/l	
Total AromaticEPH	Total AromaticEPH	52.9	J		40.8	192	ug/l	
Total EPH	Total EPH	112	U		112	383	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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	FB04262025	SDG No.:	Q1901
Lab Sample ID:	Q1901-06	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	940 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
FC068746.D	1	05/01/25	05/02/25	PB167840

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
	Aliphatic C9-C12	8.81	U	8.81	31.9	ug/l
	Aliphatic C12-C16	14.4	U	14.4	21.3	ug/l
	Aliphatic C16-C21	8.87	U	8.87	31.9	ug/l
	Aliphatic C21-C28	13.3	U	13.3	42.6	ug/l
	Aliphatic C28-C40	25.3	U	25.3	63.8	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.9		40 - 140	86%	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:	Q1901-06	Acq On:	02 May 2025 14:40
Client Sample ID:	FB04262025	Operator:	YP/AJ
Data file:	FC068746.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.343	6.645	95984	0.912	300	ug/ml
Aliphatic C12-C16	6.646	10.046	38904	0.38	200	ug/ml
Aliphatic C16-C21	10.047	13.415	43108	0.436	300	ug/ml
Aliphatic C21-C28	13.416	17.079	0	0	400	ug/ml
Aliphatic C28-C40	17.080	22.085	0	0	600	ug/ml
Aliphatic EPH	3.343	22.085	177996	1.728		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.149	13.149	3985386	42.9		ug/ml
Aliphatic C9-C28	3.343	17.079	177996	1.728	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	FB04262025	SDG No.:	Q1901
Lab Sample ID:	Q1901-06	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	940 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
FD049313.D	1	05/01/25	05/02/25	PB167840

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.18	J	2.20	21.3	ug/l
Aromatic C12-C16	Aromatic C12-C16	4.53	U	4.53	31.9	ug/l
Aromatic C16-C21	Aromatic C16-C21	49.7	J	8.80	53.2	ug/l
Aromatic C21-C36	Aromatic C21-C36	25.3	U	25.3	85.1	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	65.7		40 - 140	131%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	67.3		40 - 140	135%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	62.1		40 - 140	124%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1901-06	Acq On:	02 May 2025 14:40
Client Sample ID:	FB04262025	Operator:	YP/AJ
Data file:	FD049313.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	4.431	6.176	191868	1.493	200	ug/ml
Aromatic C12-C16	6.177	8.805	0	0	300	ug/ml
Aromatic C16-C21	8.806	13.095	3063364	23.363	500	ug/ml
Aromatic C21-C36	13.096	18.516	240602	2.05	800	ug/ml
Aromatic EPH	4.431	18.516	3495834	26.906		ug/ml
ortho-Terphenyl (SURR)	11.654	11.654	8573546	62.12		ug/ml
2-Bromonaphthalene (SURR)	7.742	7.742	7791580	65.71		ug/ml
2-Fluorobiphenyl (SURR)	8.608	8.608	5316724	67.32		ug/ml



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: Q1901 SAS No.: Q1901 SDG No.: Q1901
Run Number: FC050225AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB167840BL	78			0
PB167840BS	80			0
PB167840BSD	77			0
FB04262025	86			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

A
B
C
D
E
F
G
H
I
J

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: Q1901 SAS No.: Q1901 SDG No.: Q1901
Run Number: FC050825AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB167903BL	90			0
PB167903BS	87			0
PB167903BSD	90			0
B-167-SB01	118			0
B-170-SB01	78			0
B-167-SB02	125			0
B-167-SB02MS	69			0
B-167-SB02MSD	74			0
B-170-SB02	61			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.: Q1901 SAS No.: Q1901 SDG No.: Q1901
Run Number: FD050225AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB167840BL	106	102	108	0
PB167840BS	125	131	111	0
PB167840BSD	130	136	115	0
FB04262025	131	135	124	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.: Q1901 SAS No.: Q1901 SDG No.: Q1901
Run Number: FD050825AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB167903BL	122	115	102	0
PB167903BS	123	127	105	0
PB167903BSD	129	132	109	0
B-167-SB01	100	100	114	0
B-170-SB01	123	127	85	0
B-167-SB02	107	74	81	0
B-167-SB02MS	120	115	77	0
B-167-SB02MSD	120	115	77	0
B-170-SB02	114	108	58	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



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SOIL EPH SURROGATE RECOVERY

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J

QC LIMITS

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

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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1901 **SAS No :** Q1901 **SDG No:** Q1901
Sample No : Q1901-04MS **Datafile:** FC068804.D
Client ID : B-167-SB02MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	18.7	0	9.53	51		(40-140)
Aliphatic C12-C16	12.5	2.11	9.38	58		(40-140)
Aliphatic C16-C21	18.7	0	14.8	79		(40-140)
Aliphatic C21-C28	25.0	0	19.3	77		(40-140)
Aliphatic C28-C40	37.5	0	26.3	70		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1901 **SAS No :** Q1901 **SDG No:** Q1901
Sample No : Q1901-04MSD **Datafile:** FC068805.D
Client ID : B-167-SB02MSD

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	18.8	0	9.57	51		0.2 (40-140) 50
Aliphatic C12-C16	12.5	2.11	9.36	58		0.34 (40-140) 50
Aliphatic C16-C21	18.8	0	14.6	78		1.4 (40-140) 50
Aliphatic C21-C28	25.0	0	19.2	77		0.52 (40-140) 50
Aliphatic C28-C40	37.5	0	26.4	70		0.28 (40-140) 50

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1901 **SAS No :** Q1901 **SDG No:** Q1901
Sample No : Q1901-04MS **Datafile:** FD049330.D
Client ID : B-167-SB02MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	12.5	0.51	9.38	71		(40-140)
Aromatic C12-C16	18.7	0.65	16.8	86		(40-140)
Aromatic C16-C21	31.2	3.65	35.0	100		(40-140)
Aromatic C21-C36	50.0	3.46	51.3	96		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1901 **SAS No :** Q1901 **SDG No:** Q1901
Sample No : Q1901-04MSD **Datafile:** FD049331.D
Client ID : B-167-SB02MSD

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	12.5	0.51	9.49	72		1.12 (40-140) 50
Aromatic C12-C16	18.8	0.65	16.9	87		0.46 (40-140) 50
Aromatic C16-C21	31.3	3.65	35.0	100		0 (40-140) 50
Aromatic C21-C36	50.0	3.46	53.4	100		4.29 (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:** Q1901 **SAS No :** Q1901 **SDG No:** Q1901
Sample No : PB167840BS **Datafile:** FC068744.D
Client ID : PB167840BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aliphatic C9-C12	300	185	62		(40-140)
Aliphatic C12-C16	200	178	89		(40-140)
Aliphatic C16-C21	300	318	106		(40-140)
Aliphatic C21-C28	400	426	106		(40-140)
Aliphatic C28-C40	600	637	106		(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:** Q1901 **SAS No :** Q1901 **SDG No:** Q1901
Sample No : PB167840BSD **Datafile:** FC068745.D
Client ID : PB167840BSD

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	300	182	61		1.7 (40-140)	25
Aliphatic C12-C16	200	172	86		3.4 (40-140)	25
Aliphatic C16-C21	300	307	102		3.5 (40-140)	25
Aliphatic C21-C28	400	417	104		1.7 (40-140)	25
Aliphatic C28-C40	600	637	106		0.15 (40-140)	25

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1901 **SAS No :** Q1901 **SDG No:** Q1901
Sample No : PB167903BS **Datafile:** FC068793.D
Client ID : PB167903BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	6.17	62		(40-140)
Aliphatic C12-C16	6.7	6.23	94		(40-140)
Aliphatic C16-C21	10	11.4	114		(40-140)
Aliphatic C21-C28	13.3	15.5	116		(40-140)
Aliphatic C28-C40	20.0	21.7	108		(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:** Q1901 **SAS No :** Q1901 **SDG No:** Q1901
Sample No : PB167903BSD **Datafile:** FC068794.D
Client ID : PB167903BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	6.44	64		4.2 (40-140)	25
Aliphatic C12-C16	6.7	6.51	98		4.4 (40-140)	25
Aliphatic C16-C21	10	11.9	119		4.4 (40-140)	25
Aliphatic C21-C28	13.3	15.9	119		2.8 (40-140)	25
Aliphatic C28-C40	20.0	22.3	111		3.3 (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:** Q1901 **SAS No :** Q1901 **SDG No:** Q1901
Sample No : PB167840BS **Datafile:** FD049311.D
Client ID : PB167840BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aromatic C10-C12	200	157	78		(40-140)
Aromatic C12-C16	300	279	93		(40-140)
Aromatic C16-C21	500	597	119		(40-140)
Aromatic C21-C36	800	986	123		(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:** Q1901 **SAS No :** Q1901 **SDG No:** Q1901
Sample No : PB167840BSD **Datafile:** FD049312.D
Client ID : PB167840BSD

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	200	163	82		3.8 (40-140)	25
Aromatic C12-C16	300	289	96		3.5 (40-140)	25
Aromatic C16-C21	500	624	124		4.8 (40-140)	25
Aromatic C21-C36	800	1040	129		5.1 (40-140)	25

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1901 **SAS No :** Q1901 **SDG No:** Q1901
Sample No : PB167903BS **Datafile:** FD049320.D
Client ID : PB167903BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	5.23	78		(40-140)
Aromatic C12-C16	10	9.09	91		(40-140)
Aromatic C16-C21	16.7	18.9	113		(40-140)
Aromatic C21-C36	26.6	31.4	117		(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:** Q1901 **SAS No :** Q1901 **SDG No:** Q1901
Sample No : PB167903BSD **Datafile:** FD049321.D
Client ID : PB167903BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	5.47	82		4.5 (40-140)	25
Aromatic C12-C16	10	9.48	95		4.2 (40-140)	25
Aromatic C16-C21	16.7	19.6	117		4.1 (40-140)	25
Aromatic C21-C36	26.6	32.8	123		5.1 (40-140)	25

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167840BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1901

SAS No.: Q1901 SDG NO.: Q1901

Instrument ID: FID_C

Lab Sample ID: PB167840BL

Matrix: (soil/water) Water

Date Extracted: 5/1/2025 9:40:00 AM

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB167840BS	PB167840BS
PB167840BSD	PB167840BSD
FB04262025	Q1901-06

COMMENTS: _____

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167903BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1901

SAS No.: Q1901 SDG NO.: Q1901

Instrument ID: FID_C

Lab Sample ID: PB167903BL

Matrix: (soil/water) Solid

Date Extracted: 5/7/2025 1:37:00 PM

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB167903BS	PB167903BS
PB167903BSD	PB167903BSD
B-167-SB01	Q1901-02
B-170-SB01	Q1901-03
B-167-SB02	Q1901-04
B-167-SB02MS	Q1901-04MS
B-167-SB02MSD	Q1901-04MSD
B-170-SB02	Q1901-05

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167840BL	SDG No.:	Q1901
Lab Sample ID:	PB167840BL	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
05/01/25 09:40	05/02/25 11:36	PB167840

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	FC068743.D
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	1	13.5	20.0	ug/l	FC068743.D
Aliphatic C16-C21	Aliphatic C16-C21	8.34	U	1	8.34	30.0	ug/l	FC068743.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC068743.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC068743.D
Aromatic C10-C12	Aromatic C10-C12	2.07	U	1	2.07	20.0	ug/l	FD049310.D
Aromatic C12-C16	Aromatic C12-C16	4.26	U	1	4.26	30.0	ug/l	FD049310.D
Aromatic C16-C21	Aromatic C16-C21	8.27	U	1	8.27	50.0	ug/l	FD049310.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FD049310.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:	PB167840BL	SDG No.:	Q1901
Lab Sample ID:	PB167840BL	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
FC068743.D	1	05/01/25	05/02/25	PB167840

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)	39.1		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:	PB167840BL	Acq On:	02 May 2025 11:36
Client Sample ID:	PB167840BL	Operator:	YP/AJ
Data file:	FC068743.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.343	6.645	0	0	300	ug/ml
Aliphatic C12-C16	6.646	10.046	0	0	200	ug/ml
Aliphatic C16-C21	10.047	13.415	0	0	300	ug/ml
Aliphatic C21-C28	13.416	17.079	0	0	400	ug/ml
Aliphatic C28-C40	17.080	22.085	0	0	600	ug/ml
Aliphatic EPH	3.343	22.085	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.150	13.150	3635026	39.13		ug/ml
Aliphatic C9-C28	3.343	17.079	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:	PB167840BL	SDG No.:	Q1901
Lab Sample ID:	PB167840BL	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
FD049310.D	1	05/01/25	05/02/25	PB167840

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)	53.0		40 - 140	106%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	51.0		40 - 140	102%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	54.0		40 - 140	108%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167840BL	Acq On:	02 May 2025 11:36
Client Sample ID:	PB167840BL	Operator:	YP/AJ
Data file:	FD049310.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	4.431	6.176	0	0	200	ug/ml
Aromatic C12-C16	6.177	8.805	0	0	300	ug/ml
Aromatic C16-C21	8.806	13.095	0	0	500	ug/ml
Aromatic C21-C36	13.096	18.516	0	0	800	ug/ml
Aromatic EPH	4.431	18.516	0	0		ug/ml
ortho-Terphenyl (SURR)	11.653	11.653	7454174	54.01		ug/ml
2-Bromonaphthalene (SURR)	7.740	7.740	6287428	53.03		ug/ml
2-Fluorobiphenyl (SURR)	8.606	8.606	4025356	50.97		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167903BL	SDG No.:	Q1901
Lab Sample ID:	PB167903BL	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
05/07/25 13:37	05/08/25 12:24	PB167903

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	FC068792.D
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	1	0.11	0.67	mg/kg	FC068792.D
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	1	0.13	1.00	mg/kg	FC068792.D
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	1	0.53	1.33	mg/kg	FC068792.D
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FC068792.D
Aromatic C10-C12	Aromatic C10-C12	0.12	U	1	0.12	0.67	mg/kg	FD049319.D
Aromatic C12-C16	Aromatic C12-C16	0.23	U	1	0.23	1.00	mg/kg	FD049319.D
Aromatic C16-C21	Aromatic C16-C21	0.40	U	1	0.40	1.67	mg/kg	FD049319.D
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1	1.19	2.67	mg/kg	FD049319.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	1.94	U		1.94	6.01	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:	PB167903BL	SDG No.:	Q1901
Lab Sample ID:	PB167903BL	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
FC068792.D	1	05/07/25	05/08/25	PB167903

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)	45.1		40 - 140	90%	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:	PB167903BL	Acq On:	08 May 2025 12:24
Client Sample ID:	PB167903BL	Operator:	YP/AJ
Data file:	FC068792.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.342	6.642	0	0	300	ug/ml
Aliphatic C12-C16	6.643	10.042	0	0	200	ug/ml
Aliphatic C16-C21	10.043	13.408	0	0	300	ug/ml
Aliphatic C21-C28	13.409	17.072	0	0	400	ug/ml
Aliphatic C28-C40	17.073	22.071	0	0	600	ug/ml
Aliphatic EPH	3.342	22.071	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.143	13.143	3618503	45.1		ug/ml
Aliphatic C9-C28	3.342	17.072	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:	PB167903BL	SDG No.:	Q1901
Lab Sample ID:	PB167903BL	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
FD049319.D	1	05/07/25	05/08/25	PB167903

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	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	61.1		40 - 140	122%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	57.7		40 - 140	115%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.9		40 - 140	102%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167903BL	Acq On:	08 May 2025 12:24
Client Sample ID:	PB167903BL	Operator:	YP/AJ
Data file:	FD049319.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	4.431	6.176	0	0	200	ug/ml
Aromatic C12-C16	6.177	8.805	0	0	300	ug/ml
Aromatic C16-C21	8.806	13.095	0	0	500	ug/ml
Aromatic C21-C36	13.0956	18.515	0	0	800	ug/ml
Aromatic EPH	4.431	18.515	0	0		ug/ml
2-Bromonaphthalene (SURRE)	7.742	7.742	7241114	61.07		ug/ml
2-Fluorobiphenyl (SURRE)	8.607	8.607	4558275	57.72		ug/ml
ortho-Terphenyl (SURRE)	11.653	11.653	7029721	50.93		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167840BS	SDG No.:	Q1901
Lab Sample ID:	PB167840BS	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
05/01/25 09:40	05/02/25 13:26	PB167840

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	185		1	8.28	30.0	ug/l	FC068744.D
Aliphatic C12-C16	Aliphatic C12-C16	178		1	13.5	20.0	ug/l	FC068744.D
Aliphatic C16-C21	Aliphatic C16-C21	318		1	8.34	30.0	ug/l	FC068744.D
Aliphatic C21-C28	Aliphatic C21-C28	426		1	12.5	40.0	ug/l	FC068744.D
Aliphatic C28-C40	Aliphatic C28-C40	637		1	23.8	60.0	ug/l	FC068744.D
Aromatic C10-C12	Aromatic C10-C12	157		1	2.07	20.0	ug/l	FD049311.D
Aromatic C12-C16	Aromatic C12-C16	279		1	4.26	30.0	ug/l	FD049311.D
Aromatic C16-C21	Aromatic C16-C21	597		1	8.27	50.0	ug/l	FD049311.D
Aromatic C21-C36	Aromatic C21-C36	986		1	23.8	80.0	ug/l	FD049311.D
Total AliphaticEPH	Total AliphaticEPH	1740			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	2020			38.4	180	ug/l	
Total EPH	Total EPH	3760			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:	PB167840BS	SDG No.:	Q1901
Lab Sample ID:	PB167840BS	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:		Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068744.D	1	05/01/25	05/02/25	PB167840

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	185		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	178		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	318		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	426		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	637		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.2		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:	PB167840BS	Acq On:	02 May 2025 13:26
Client Sample ID:	PB167840BS	Operator:	YP/AJ
Data file:	FC068744.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.343	6.645	9784944	92.94	300	ug/ml
Aliphatic C12-C16	6.646	10.046	9110213	89.034	200	ug/ml
Aliphatic C16-C21	10.047	13.415	15713961	159.022	300	ug/ml
Aliphatic C21-C28	13.416	17.079	20064618	213.033	400	ug/ml
Aliphatic C28-C40	17.080	22.085	28634448	318.575	600	ug/ml
Aliphatic EPH	3.343	22.085	83308184	872.605		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.150	13.150	3738287	40.24		ug/ml
Aliphatic C9-C28	3.343	17.079	54673736	554.029	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167840BS	SDG No.:	Q1901
Lab Sample ID:	PB167840BS	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
FD049311.D	1	05/01/25	05/02/25	PB167840

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	157		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	279		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	597		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	986		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	62.6		40 - 140	125%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	65.5		40 - 140	131%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	55.3		40 - 140	111%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167840BS	Acq On:	02 May 2025 13:26
Client Sample ID:	PB167840BS	Operator:	YP/AJ
Data file:	FD049311.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	4.431	6.176	10130616	78.818	200	ug/ml
Aromatic C12-C16	6.177	8.805	18981153	139.848	300	ug/ml
Aromatic C16-C21	8.806	13.095	39179447	298.805	500	ug/ml
Aromatic C21-C36	13.096	18.516	57855977	493.004	800	ug/ml
Aromatic EPH	4.431	18.516	126147193	1010		ug/ml
ortho-Terphenyl (SURR)	11.654	11.654	7629284	55.28		ug/ml
2-Bromonaphthalene (SURR)	7.742	7.742	7423816	62.61		ug/ml
2-Fluorobiphenyl (SURR)	8.608	8.608	5176330	65.55		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167903BS	SDG No.:	Q1901
Lab Sample ID:	PB167903BS	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
05/07/25 13:37	05/08/25 13:01	PB167903

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.17		1	0.14	1.00	mg/kg	FC068793.D
Aliphatic C12-C16	Aliphatic C12-C16	6.23		1	0.11	0.67	mg/kg	FC068793.D
Aliphatic C16-C21	Aliphatic C16-C21	11.4		1	0.13	1.00	mg/kg	FC068793.D
Aliphatic C21-C28	Aliphatic C21-C28	15.5		1	0.53	1.33	mg/kg	FC068793.D
Aliphatic C28-C40	Aliphatic C28-C40	21.7		1	1.18	2.00	mg/kg	FC068793.D
Aromatic C10-C12	Aromatic C10-C12	5.23		1	0.12	0.67	mg/kg	FD049320.D
Aromatic C12-C16	Aromatic C12-C16	9.09		1	0.23	1.00	mg/kg	FD049320.D
Aromatic C16-C21	Aromatic C16-C21	18.9		1	0.40	1.67	mg/kg	FD049320.D
Aromatic C21-C36	Aromatic C21-C36	31.4		1	1.19	2.66	mg/kg	FD049320.D
Total AliphaticEPH	Total AliphaticEPH	61.0			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	64.6			1.94	6.00	mg/kg	
Total EPH	Total EPH	126			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:	PB167903BS	SDG No.:	Q1901
Lab Sample ID:	PB167903BS	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
FC068793.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.17		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	6.23		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	11.4		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	15.5		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.7		40 - 140	87%	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:	PB167903BS	Acq On:	08 May 2025 13:01
Client Sample ID:	PB167903BS	Operator:	YP/AJ
Data file:	FC068793.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.342	6.642	9191306	92.717	300	ug/ml
Aliphatic C12-C16	6.643	10.042	8516253	93.601	200	ug/ml
Aliphatic C16-C21	10.043	13.408	14737629	171.846	300	ug/ml
Aliphatic C21-C28	13.409	17.072	19322244	232.543	400	ug/ml
Aliphatic C28-C40	17.073	22.071	27595131	326.096	600	ug/ml
Aliphatic EPH	3.342	22.071	79362563	916.803		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.145	13.145	3505588	43.7		ug/ml
Aliphatic C9-C28	3.342	17.072	51767432	590.707	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167903BS	SDG No.:	Q1901
Lab Sample ID:	PB167903BS	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
FD049320.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.23		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.09		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	18.9		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	31.4		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	61.6		40 - 140	123%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	63.4		40 - 140	127%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	52.6		40 - 140	105%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167903BS	Acq On:	08 May 2025 13:01
Client Sample ID:	PB167903BS	Operator:	YP/AJ
Data file:	FD049320.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	4.431	6.176	10090127	78.503	200	ug/ml
Aromatic C12-C16	6.177	8.805	18517319	136.43	300	ug/ml
Aromatic C16-C21	8.806	13.095	37124113	283.13	500	ug/ml
Aromatic C21-C36	13.0956	18.515	55376857	471.879	800	ug/ml
Aromatic EPH	4.431	18.515	121108416	969.943		ug/ml
ortho-Terphenyl (SURR)	11.652	11.652	7262675	52.62		ug/ml
2-Bromonaphthalene (SURR)	7.742	7.742	7300671	61.57		ug/ml
2-Fluorobiphenyl (SURR)	8.608	8.608	5006396	63.39		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167840BSD	SDG No.:	Q1901
Lab Sample ID:	PB167840BSD	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
05/01/25 09:40	05/02/25 14:03	PB167840

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	182		1	8.28	30.0	ug/l	FC068745.D
Aliphatic C12-C16	Aliphatic C12-C16	172		1	13.5	20.0	ug/l	FC068745.D
Aliphatic C16-C21	Aliphatic C16-C21	307		1	8.34	30.0	ug/l	FC068745.D
Aliphatic C21-C28	Aliphatic C21-C28	417		1	12.5	40.0	ug/l	FC068745.D
Aliphatic C28-C40	Aliphatic C28-C40	637		1	23.8	60.0	ug/l	FC068745.D
Aromatic C10-C12	Aromatic C10-C12	163		1	2.07	20.0	ug/l	FD049312.D
Aromatic C12-C16	Aromatic C12-C16	289		1	4.26	30.0	ug/l	FD049312.D
Aromatic C16-C21	Aromatic C16-C21	624		1	8.27	50.0	ug/l	FD049312.D
Aromatic C21-C36	Aromatic C21-C36	1040		1	23.8	80.0	ug/l	FD049312.D
Total AliphaticEPH	Total AliphaticEPH	1720			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	2110			38.4	180	ug/l	
Total EPH	Total EPH	3830			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:	PB167840BSD	SDG No.:	Q1901
Lab Sample ID:	PB167840BSD	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
FC068745.D	1	05/01/25	05/02/25	PB167840

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	182		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	172		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	307		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	417		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	637		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.7		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:	PB167840BSD	Acq On:	02 May 2025 14:03
Client Sample ID:	PB167840BSD	Operator:	YP/AJ
Data file:	FC068745.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.343	6.645	9614812	91.324	300	ug/ml
Aliphatic C12-C16	6.646	10.046	8842093	86.414	200	ug/ml
Aliphatic C16-C21	10.047	13.415	15215512	153.977	300	ug/ml
Aliphatic C21-C28	13.416	17.079	19680169	208.952	400	ug/ml
Aliphatic C28-C40	17.080	22.085	28642646	318.666	600	ug/ml
Aliphatic EPH	3.343	22.085	81995232	859.334		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.150	13.150	3593465	38.68		ug/ml
Aliphatic C9-C28	3.343	17.079	53352586	540.667	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167840BSD	SDG No.:	Q1901
Lab Sample ID:	PB167840BSD	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
FD049312.D	1	05/01/25	05/02/25	PB167840

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	163		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	289		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	624		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	1040		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	64.8		40 - 140	130%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	68.0		40 - 140	136%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	57.3		40 - 140	115%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167840BSD	Acq On:	02 May 2025 14:03
Client Sample ID:	PB167840BSD	Operator:	YP/AJ
Data file:	FD049312.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	4.431	6.176	10502601	81.712	200	ug/ml
Aromatic C12-C16	6.177	8.805	19635568	144.669	300	ug/ml
Aromatic C16-C21	8.806	13.095	40948752	312.299	500	ug/ml
Aromatic C21-C36	13.096	18.516	60838111	518.416	800	ug/ml
Aromatic EPH	4.431	18.516	131925032	1060		ug/ml
ortho-Terphenyl (SURR)	11.653	11.653	7914730	57.34		ug/ml
2-Bromonaphthalene (SURR)	7.742	7.742	7685443	64.82		ug/ml
2-Fluorobiphenyl (SURR)	8.608	8.608	5373602	68.04		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167903BSD	SDG No.:	Q1901
Lab Sample ID:	PB167903BSD	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
05/07/25 13:37	05/08/25 13:38	PB167903

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.44		1	0.14	1.00	mg/kg	FC068794.D
Aliphatic C12-C16	Aliphatic C12-C16	6.51		1	0.11	0.67	mg/kg	FC068794.D
Aliphatic C16-C21	Aliphatic C16-C21	11.9		1	0.13	1.00	mg/kg	FC068794.D
Aliphatic C21-C28	Aliphatic C21-C28	15.9		1	0.53	1.33	mg/kg	FC068794.D
Aliphatic C28-C40	Aliphatic C28-C40	22.3		1	1.18	2.00	mg/kg	FC068794.D
Aromatic C10-C12	Aromatic C10-C12	5.47		1	0.12	0.67	mg/kg	FD049321.D
Aromatic C12-C16	Aromatic C12-C16	9.48		1	0.23	1.00	mg/kg	FD049321.D
Aromatic C16-C21	Aromatic C16-C21	19.6		1	0.40	1.67	mg/kg	FD049321.D
Aromatic C21-C36	Aromatic C21-C36	32.8		1	1.19	2.66	mg/kg	FD049321.D
Total AliphaticEPH	Total AliphaticEPH	63.0			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	67.3			1.94	6.00	mg/kg	
Total EPH	Total EPH	130			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:	PB167903BSD	SDG No.:	Q1901
Lab Sample ID:	PB167903BSD	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
FC068794.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.44		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	6.51		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	11.9		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	15.9		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.3		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.8		40 - 140	90%	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:	PB167903BSD	Acq On:	08 May 2025 13:38
Client Sample ID:	PB167903BSD	Operator:	YP/AJ
Data file:	FC068794.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.342	6.642	9576547	96.603	300	ug/ml
Aliphatic C12-C16	6.643	10.042	8887845	97.685	200	ug/ml
Aliphatic C16-C21	10.043	13.408	15333929	178.8	300	ug/ml
Aliphatic C21-C28	13.409	17.072	19856053	238.967	400	ug/ml
Aliphatic C28-C40	17.073	22.071	28336429	334.856	600	ug/ml
Aliphatic EPH	3.342	22.071	81990803	946.911		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.145	13.145	3590079	44.75		ug/ml
Aliphatic C9-C28	3.342	17.072	53654374	612.055	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167903BSD	SDG No.:	Q1901
Lab Sample ID:	PB167903BSD	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
FD049321.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.47		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.48		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	19.6		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	32.8		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	64.4		40 - 140	129%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	66.0		40 - 140	132%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	54.5		40 - 140	109%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167903BSD	Acq On:	08 May 2025 13:38
Client Sample ID:	PB167903BSD	Operator:	YP/AJ
Data file:	FD049321.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	4.431	6.176	10552866	82.103	200	ug/ml
Aromatic C12-C16	6.177	8.805	19315706	142.313	300	ug/ml
Aromatic C16-C21	8.806	13.095	38598525	294.375	500	ug/ml
Aromatic C21-C36	13.0956	18.515	57846531	492.924	800	ug/ml
Aromatic EPH	4.431	18.515	126313628	1010		ug/ml
ortho-Terphenyl (SURR)	11.653	11.653	7520284	54.49		ug/ml
2-Bromonaphthalene (SURR)	7.742	7.742	7630584	64.36		ug/ml
2-Fluorobiphenyl (SURR)	8.609	8.609	5211926	66		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-167-SB02MS	SDG No.:	Q1901
Lab Sample ID:	Q1901-04MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	53.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/07/25 13:37	05/08/25 21:04	PB167903

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	9.53		1	0.26	1.87	mg/kg FC068804.D
Aliphatic C12-C16	Aliphatic C12-C16	9.38		1	0.21	1.25	mg/kg FC068804.D
Aliphatic C16-C21	Aliphatic C16-C21	14.8		1	0.24	1.87	mg/kg FC068804.D
Aliphatic C21-C28	Aliphatic C21-C28	19.3		1	0.99	2.50	mg/kg FC068804.D
Aliphatic C28-C40	Aliphatic C28-C40	26.3		1	2.21	3.75	mg/kg FC068804.D
Aromatic C10-C12	Aromatic C10-C12	9.38		1	0.23	1.25	mg/kg FD049330.D
Aromatic C12-C16	Aromatic C12-C16	16.8		1	0.43	1.87	mg/kg FD049330.D
Aromatic C16-C21	Aromatic C16-C21	35.0		1	0.75	3.12	mg/kg FD049330.D
Aromatic C21-C36	Aromatic C21-C36	51.3		1	2.23	5.00	mg/kg FD049330.D
Total AliphaticEPH	Total AliphaticEPH	79.3			3.92	11.2	mg/kg
Total AromaticEPH	Total AromaticEPH	112			3.64	11.2	mg/kg
Total EPH	Total EPH	192			7.55	22.5	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-167-SB02MS	SDG No.:	Q1901
Lab Sample ID:	Q1901-04MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	53.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068804.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
	Aliphatic C9-C12	Aliphatic C9-C12	9.53	0.26	1.87	mg/kg
	Aliphatic C12-C16	Aliphatic C12-C16	9.38	0.21	1.25	mg/kg
	Aliphatic C16-C21	Aliphatic C16-C21	14.8	0.24	1.87	mg/kg
	Aliphatic C21-C28	Aliphatic C21-C28	19.3	0.99	2.50	mg/kg
	Aliphatic C28-C40	Aliphatic C28-C40	26.3	2.21	3.75	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.6		40 - 140	69%	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:	Q1901-04MS	Acq On:	08 May 2025 21:04
Client Sample ID:	B-167-SB02MS	Operator:	YP/AJ
Data file:	FC068804.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	3.342	6.642	7560396	76.265	300	ug/ml
Aliphatic C12-C16	6.643	10.042	6832672	75.097	200	ug/ml
Aliphatic C16-C21	10.043	13.408	10145566	118.301	300	ug/ml
Aliphatic C21-C28	13.409	17.072	12845217	154.592	400	ug/ml
Aliphatic C28-C40	17.073	22.071	17796909	210.309	600	ug/ml
Aliphatic EPH	3.342	22.071	55180760	634.564		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.143	13.143	2776379	34.61		ug/ml
Aliphatic C9-C28	3.342	17.072	37383851	424.255	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-167-SB02MS	SDG No.:	Q1901
Lab Sample ID:	Q1901-04MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	53.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049330.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.38		0.23	1.25	mg/kg
Aromatic C12-C16	Aromatic C12-C16	16.8		0.43	1.87	mg/kg
Aromatic C16-C21	Aromatic C16-C21	35.0		0.75	3.12	mg/kg
Aromatic C21-C36	Aromatic C21-C36	51.3		2.23	5.00	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	59.9		40 - 140	120%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	57.7		40 - 140	115%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.5		40 - 140	77%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1901-04MS	Acq On:	08 May 2025 20:25
Client Sample ID:	B-167-SB02MS	Operator:	YP/AJ
Data file:	FD049330.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	4.431	6.176	9654364	75.113	200	ug/ml
Aromatic C12-C16	6.177	8.805	18284777	134.717	300	ug/ml
Aromatic C16-C21	8.806	13.095	36751891	280.291	500	ug/ml
Aromatic C21-C36	13.0956	18.515	48155177	410.342	800	ug/ml
Aromatic EPH	4.431	18.515	112846209	900.463		ug/ml
2-Bromonaphthalene (SURRE)	7.741	7.741	7098283	59.87		ug/ml
2-Fluorobiphenyl (SURRE)	8.607	8.607	4554552	57.67		ug/ml
ortho-Terphenyl (SURRE)	11.651	11.651	5318512	38.53		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-167-SB02MSD	SDG No.:	Q1901
Lab Sample ID:	Q1901-04MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	53.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/07/25 13:37	05/08/25 21:41	PB167903

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	9.57		1	0.26	1.88	mg/kg FC068805.D
Aliphatic C12-C16	Aliphatic C12-C16	9.36		1	0.21	1.25	mg/kg FC068805.D
Aliphatic C16-C21	Aliphatic C16-C21	14.6		1	0.24	1.88	mg/kg FC068805.D
Aliphatic C21-C28	Aliphatic C21-C28	19.2		1	0.99	2.50	mg/kg FC068805.D
Aliphatic C28-C40	Aliphatic C28-C40	26.4		1	2.21	3.75	mg/kg FC068805.D
Aromatic C10-C12	Aromatic C10-C12	9.49		1	0.23	1.25	mg/kg FD049331.D
Aromatic C12-C16	Aromatic C12-C16	16.9		1	0.43	1.88	mg/kg FD049331.D
Aromatic C16-C21	Aromatic C16-C21	35.0		1	0.75	3.13	mg/kg FD049331.D
Aromatic C21-C36	Aromatic C21-C36	53.4		1	2.23	5.00	mg/kg FD049331.D
Total AliphaticEPH	Total AliphaticEPH	79.1			3.92	11.3	mg/kg
Total AromaticEPH	Total AromaticEPH	115			3.64	11.3	mg/kg
Total EPH	Total EPH	194			7.55	22.5	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-167-SB02MSD	SDG No.:	Q1901
Lab Sample ID:	Q1901-04MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	53.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068805.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
	Aliphatic C9-C12	Aliphatic C9-C12	9.57	0.26	1.88	mg/kg
	Aliphatic C12-C16	Aliphatic C12-C16	9.36	0.21	1.25	mg/kg
	Aliphatic C16-C21	Aliphatic C16-C21	14.6	0.24	1.88	mg/kg
	Aliphatic C21-C28	Aliphatic C21-C28	19.2	0.99	2.50	mg/kg
	Aliphatic C28-C40	Aliphatic C28-C40	26.4	2.21	3.75	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.8		40 - 140	74%	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:	Q1901-04MSD	Acq On:	08 May 2025 21:41
Client Sample ID:	B-167-SB02MSD	Operator:	YP/AJ
Data file:	FC068805.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	3.342	6.642	7588573	76.549	300	ug/ml
Aliphatic C12-C16	6.643	10.042	6812490	74.875	200	ug/ml
Aliphatic C16-C21	10.043	13.408	10040471	117.076	300	ug/ml
Aliphatic C21-C28	13.409	17.072	12775445	153.752	400	ug/ml
Aliphatic C28-C40	17.073	22.071	17861536	211.073	600	ug/ml
Aliphatic EPH	3.342	22.071	55078515	633.325		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.142	13.142	2948527	36.75		ug/ml
Aliphatic C9-C28	3.342	17.072	37216979	422.252	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-167-SB02MSD	SDG No.:	Q1901
Lab Sample ID:	Q1901-04MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	53.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049331.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.49		0.23	1.25	mg/kg
Aromatic C12-C16	Aromatic C12-C16	16.9		0.43	1.88	mg/kg
Aromatic C16-C21	Aromatic C16-C21	35.0		0.75	3.13	mg/kg
Aromatic C21-C36	Aromatic C21-C36	53.4		2.23	5.00	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	60.1		40 - 140	120%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	57.4		40 - 140	115%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.4		40 - 140	77%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1901-04MSD	Acq On:	08 May 2025 21:04
Client Sample ID:	B-167-SB02MSD	Operator:	YP/AJ
Data file:	FD049331.D	Misc:	
Instrument:	FID_D	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.431	6.176	9751783	75.871	200	ug/ml
Aromatic C12-C16	6.177	8.805	18347653	135.18	300	ug/ml
Aromatic C16-C21	8.806	13.095	36699099	279.889	500	ug/ml
Aromatic C21-C36	13.0956	18.515	50147109	427.315	800	ug/ml
Aromatic EPH	4.431	18.515	114945644	918.255		ug/ml
2-Bromonaphthalene (SURRE)	7.741	7.741	7121821	60.06		ug/ml
2-Fluorobiphenyl (SURRE)	8.607	8.607	4534162	57.41		ug/ml
ortho-Terphenyl (SURRE)	11.651	11.651	5295430	38.37		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 : FC050625AL

AreaCount

Parameter Range	FC068781.D	FC068782.D	FC068783.D	FC068784.D	FC068785.D	
Aliphatic C9-C12	27880831.000	14168342.000	6134963.000	3195282.000	1492730.000	
Aliphatic C12-C16	16912815.000	8652812.000	3764747.000	1956091.000	919066.000	
Aliphatic C16-C21	23844810.000	12210662.000	5322269.000	2761699.000	1307311.000	
Aliphatic C21-C28	31086803.000	15724596.000	6816713.000	3578057.000	1689101.000	
Aliphatic C28-C40	47720501.000	24011560.000	10345705.000	5495913.000	2571840.000	
Aliphatic EPH	147445760.000	74767972.000	32384397.000	16987042.000	7980048.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	99133.1666664	5.629				
Aliphatic C12-C16	90984.404	5.976				
Aliphatic C16-C21	85760.459333	6.077				
Aliphatic C21-C28	83091.075	5.885				
Aliphatic C28-C40	84622.6919998	5.889				
Aliphatic EPH	87597.2298886	5.859				

Concentration

Parameter Range	FC068781.D	FC068782.D	FC068783.D	FC068784.D	FC068785.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	FC068781.D	FC068782.D	FC068783.D	FC068784.D	FC068785.D	
Aliphatic C9-C12	92936.103333	94455.613333	102249.383333	106509.400000	99515.333333	
Aliphatic C12-C16	84564.075000	86528.120000	94118.675000	97804.550000	91906.600000	
Aliphatic C16-C21	79482.700000	81404.413333	88704.483333	92056.633333	87154.066666	

Initial Calibration Report for SequenceID : FC050625AL

Aliphatic C21-C28	77717.007500	78622.980000	85208.912500	89451.425000	84455.050000	
Aliphatic C28-C40	79534.168333	80038.533333	86214.208333	91598.550000	85728.000000	
Aliphatic EPH	81914.311111	83075.524444	89956.658333	94372.455555	88667.200000	

Initial Calibration Report for SequenceID : FD050125AR

AreaCount

Parameter Range	FD049298.D	FD049299.D	FD049300.D	FD049301.D	FD049302.D	
Aromatic C10-C12	24947085.000	13432598.000	5352823.000	2577094.000	1209211.000	
Aromatic C12-C16	39319151.000	21327001.000	8518789.000	4088995.000	1906691.000	
Aromatic C16-C21	51864159.000	28036330.000	11078299.000	5170923.000	2360160.000	
Aromatic C21-C36	105771332.000	55185778.000	22063557.000	10548658.000	4807254.000	
Aromatic EPH	221901727.000	117981707.000	47013468.000	22385670.000	10283316.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	128531.556	4.503				
Aromatic C12-C16	135727.2453328	4.901				
Aromatic C16-C21	131120.372	6.754				
Aromatic C21-C36	117353.8517774	5.489				
Aromatic EPH	124717.2778884	5.478				

Concentration

Parameter Range	FD049298.D	FD049299.D	FD049300.D	FD049301.D	FD049302.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	FD049298.D	FD049299.D	FD049300.D	FD049301.D	FD049302.D	
Aromatic C10-C12	124735.425000	134325.980000	133820.575000	128854.700000	120921.100000	
Aromatic C12-C16	131063.836666	142180.006666	141979.816666	136299.833333	127112.733333	
Aromatic C16-C21	129660.397500	140181.650000	138478.737500	129273.075000	118008.000000	
Aromatic C21-C36	117523.702222	122635.062222	122575.316666	117207.311111	106827.866666	
Aromatic EPH	123278.737222	131090.785555	130592.966666	124364.833333	114259.066666	

Continuing Calibration Report for SequenceID : FC050225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068742.D

Aliphatic C9-C12	6488349.000	60.000	3.343	6.645	108139.150	105282.003	-2.714
Aliphatic C12-C16	4261833.000	40.000	6.646	10.046	106545.825	102322.575	-4.127
Aliphatic C16-C21	6185679.000	60.000	10.047	13.415	103094.650	98816.539	-4.329
Aliphatic C21-C28	7845338.000	80.000	13.416	17.079	98066.725	94185.337	-4.121
Aliphatic C28-C40	12251595.000	120.000	17.080	22.085	102096.625	89882.835	-13.589
Aliphatic EPH	37032794.000	360.000	3.343	22.085	102868.872	96276.618	-6.847

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	02 May 2025 10:53
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068742.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.343	6.645	6488349.000	60.000	ug/ml
Aliphatic C12-C16	6.646	10.046	4261833.000	40.000	ug/ml
Aliphatic C16-C21	10.047	13.415	6185679.000	60.000	ug/ml
Aliphatic C21-C28	13.416	17.079	7845338.000	80.000	ug/ml
Aliphatic C28-C40	17.080	22.085	12251595.000	120.000	ug/ml
Aliphatic EPH	3.343	22.085	37032794.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC050225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068748.D

Aliphatic C9-C12	5997337.000	60.000	3.343	6.645	99955.617	105282.003	5.059
Aliphatic C12-C16	3867344.000	40.000	6.646	10.046	96683.600	102322.575	5.511
Aliphatic C16-C21	5592959.000	60.000	10.047	13.415	93215.983	98816.539	5.668
Aliphatic C21-C28	7186492.000	80.000	13.416	17.079	89831.150	94185.337	4.623
Aliphatic C28-C40	11519078.000	120.000	17.080	22.085	95992.317	89882.835	-6.797
Aliphatic EPH	34163210.000	360.000	3.343	22.085	94897.806	96276.618	1.432

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	02 May 2025 15:56
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068748.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.343	6.645	5997337.000	60.000	ug/ml
Aliphatic C12-C16	6.646	10.046	3867344.000	40.000	ug/ml
Aliphatic C16-C21	10.047	13.415	5592959.000	60.000	ug/ml
Aliphatic C21-C28	13.416	17.079	7186492.000	80.000	ug/ml
Aliphatic C28-C40	17.080	22.085	11519078.000	120.000	ug/ml
Aliphatic EPH	3.343	22.085	34163210.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC050825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068791.D

Aliphatic C9-C12	5774515.000	60.000	3.342	6.642	96241.917	99133.167	2.917
Aliphatic C12-C16	3617334.000	40.000	6.643	10.042	90433.350	90984.404	0.606
Aliphatic C16-C21	5106859.000	60.000	10.043	13.408	85114.317	85760.459	0.753
Aliphatic C21-C28	6727060.000	80.000	13.409	17.072	84088.250	83091.075	-1.200
Aliphatic C28-C40	10872761.000	120.000	17.073	22.071	90606.342	84622.692	-7.071
Aliphatic EPH	32098529.000	360.000	3.342	22.071	89162.581	87597.230	-1.787

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	08 May 2025 10:08
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068791.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.342	6.642	5774515.000	60.000	ug/ml
Aliphatic C12-C16	6.643	10.042	3617334.000	40.000	ug/ml
Aliphatic C16-C21	10.043	13.408	5106859.000	60.000	ug/ml
Aliphatic C21-C28	13.409	17.072	6727060.000	80.000	ug/ml
Aliphatic C28-C40	17.073	22.071	10872761.000	120.000	ug/ml
Aliphatic EPH	3.342	22.071	32098529.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC050825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068799.D

Aliphatic C9-C12	5278125.000	60.000	3.342	6.642	87968.750	99133.167	11.262
Aliphatic C12-C16	3477308.000	40.000	6.643	10.042	86932.700	90984.404	4.453
Aliphatic C16-C21	5056855.000	60.000	10.043	13.408	84280.917	85760.459	1.725
Aliphatic C21-C28	6614239.000	80.000	13.409	17.072	82677.988	83091.075	0.497
Aliphatic C28-C40	10921137.000	120.000	17.073	22.071	91009.475	84622.692	-7.547
Aliphatic EPH	31347664.000	360.000	3.342	22.071	87076.844	87597.230	0.594

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	08 May 2025 17:14
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068799.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.342	6.642	5278125.000	60.000	ug/ml
Aliphatic C12-C16	6.643	10.042	3477308.000	40.000	ug/ml
Aliphatic C16-C21	10.043	13.408	5056855.000	60.000	ug/ml
Aliphatic C21-C28	13.409	17.072	6614239.000	80.000	ug/ml
Aliphatic C28-C40	17.073	22.071	10921137.000	120.000	ug/ml
Aliphatic EPH	3.342	22.071	31347664.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC050825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068808.D

Aliphatic C9-C12	5298914.000	60.000	3.342	6.642	88315.233	99133.167	10.913
Aliphatic C12-C16	3471710.000	40.000	6.643	10.042	86792.750	90984.404	4.607
Aliphatic C16-C21	5061619.000	60.000	10.043	13.408	84360.317	85760.459	1.633
Aliphatic C21-C28	6674646.000	80.000	13.409	17.072	83433.075	83091.075	-0.412
Aliphatic C28-C40	11150242.000	120.000	17.073	22.071	92918.683	84622.692	-9.804
Aliphatic EPH	31657131.000	360.000	3.342	22.071	87936.475	87597.230	-0.387

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	08 May 2025 23:34
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068808.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.342	6.642	5298914.000	60.000	ug/ml
Aliphatic C12-C16	6.643	10.042	3471710.000	40.000	ug/ml
Aliphatic C16-C21	10.043	13.408	5061619.000	60.000	ug/ml
Aliphatic C21-C28	13.409	17.072	6674646.000	80.000	ug/ml
Aliphatic C28-C40	17.073	22.071	11150242.000	120.000	ug/ml
Aliphatic EPH	3.342	22.071	31657131.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD050225AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049309.D

Aromatic C10-C12	5512093.000	40.000	4.431	6.176	137802.325	128531.556	-7.213
Aromatic C12-C16	8771780.000	60.000	6.177	8.805	146196.333	135727.245	-7.713
Aromatic C16-C21	11059605.000	80.000	8.806	13.095	138245.063	131120.372	-5.434
Aromatic C21-C36	21342567.000	180.000	13.096	18.516	118569.817	117353.852	-1.036
Aromatic EPH	46686045.000	360.000	4.431	18.516	129683.458	124717.278	-3.982

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	02 May 2025 10:53
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049309.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.431	6.176	5512093.000	40.000	ug/ml
Aromatic C12-C16	6.177	8.805	8771780.000	60.000	ug/ml
Aromatic C16-C21	8.806	13.095	11059605.000	80.000	ug/ml
Aromatic C21-C36	13.096	18.516	21342567.000	180.000	ug/ml
Aromatic EPH	4.431	18.516	46686045.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD050225AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049315.D

Aromatic C10-C12	5180419.000	40.000	4.431	6.176	129510.475	128531.556	-0.762
Aromatic C12-C16	8441515.000	60.000	6.177	8.805	140691.917	135727.245	-3.658
Aromatic C16-C21	10922703.000	80.000	8.806	13.095	136533.788	131120.372	-4.129
Aromatic C21-C36	21099522.000	180.000	13.096	18.516	117219.567	117353.852	0.114
Aromatic EPH	45644159.000	360.000	4.431	18.516	126789.331	124717.278	-1.661

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	02 May 2025 15:56
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049315.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.431	6.176	5180419.000	40.000	ug/ml
Aromatic C12-C16	6.177	8.805	8441515.000	60.000	ug/ml
Aromatic C16-C21	8.806	13.095	10922703.000	80.000	ug/ml
Aromatic C21-C36	13.096	18.516	21099522.000	180.000	ug/ml
Aromatic EPH	4.431	18.516	45644159.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD050825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049318.D

Aromatic C10-C12	5420453.000	40.000	4.431	6.176	135511.325	128531.556	-5.430
Aromatic C12-C16	8502870.000	60.000	6.177	8.805	141714.500	135727.245	-4.411
Aromatic C16-C21	10349187.000	80.000	8.806	13.095	129364.838	131120.372	1.339
Aromatic C21-C36	20561899.000	180.000	13.0956	18.515	114232.772	117353.852	2.660
Aromatic EPH	44834409.000	360.000	4.431	18.515	124540.025	124717.278	0.142

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	08 May 2025 10:08
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049318.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.431	6.176	5420453.000	40.000	ug/ml
Aromatic C12-C16	6.177	8.805	8502870.000	60.000	ug/ml
Aromatic C16-C21	8.806	13.095	10349187.000	80.000	ug/ml
Aromatic C21-C36	13.0956	18.515	20561899.000	180.000	ug/ml
Aromatic EPH	4.431	18.515	44834409.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD050825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049325.D

Aromatic C10-C12	5652522.000	40.000	4.431	6.176	141313.050	128531.556	-9.944
Aromatic C12-C16	8979975.000	60.000	6.177	8.805	149666.250	135727.245	-10.270
Aromatic C16-C21	11477164.000	80.000	8.806	13.095	143464.550	131120.372	-9.414
Aromatic C21-C36	22885019.000	180.000	13.0956	18.515	127138.994	117353.852	-8.338
Aromatic EPH	48994680.000	360.000	4.431	18.515	136096.333	124717.278	-9.124

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	08 May 2025 16:36
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049325.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.431	6.176	5652522.000	40.000	ug/ml
Aromatic C12-C16	6.177	8.805	8979975.000	60.000	ug/ml
Aromatic C16-C21	8.806	13.095	11477164.000	80.000	ug/ml
Aromatic C21-C36	13.0956	18.515	22885019.000	180.000	ug/ml
Aromatic EPH	4.431	18.515	48994680.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD050825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049334.D

Aromatic C10-C12	5734262.000	40.000	4.431	6.176	143356.550	128531.556	-11.534
Aromatic C12-C16	9081487.000	60.000	6.177	8.805	151358.117	135727.245	-11.516
Aromatic C16-C21	11630703.000	80.000	8.806	13.095	145383.788	131120.372	-10.878
Aromatic C21-C36	23316285.000	180.000	13.0956	18.515	129534.917	117353.852	-10.380
Aromatic EPH	49762737.000	360.000	4.431	18.515	138229.825	124717.278	-10.835

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	08 May 2025 23:34
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049334.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.431	6.176	5734262.000	40.000	ug/ml
Aromatic C12-C16	6.177	8.805	9081487.000	60.000	ug/ml
Aromatic C16-C21	8.806	13.095	11630703.000	80.000	ug/ml
Aromatic C21-C36	13.0956	18.515	23316285.000	180.000	ug/ml
Aromatic EPH	4.431	18.515	49762737.000	360.000	ug/ml



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
 Data File : FC068800.D
 Signal(s) : FID1A.ch
 Acq On : 08 May 2025 18:31
 Operator : YP/AJ
 Sample : Q1901-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 B-167-SB01

Integration File: autoint1.e
 Quant Time: May 09 09:08:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 QLast Update : Wed May 07 08:52:03 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	4752739	59.242 ug/ml
Spiked Amount	50.000	Recovery	= 118.48%

Target Compounds

(f)=RT Delta > 1/2 Window

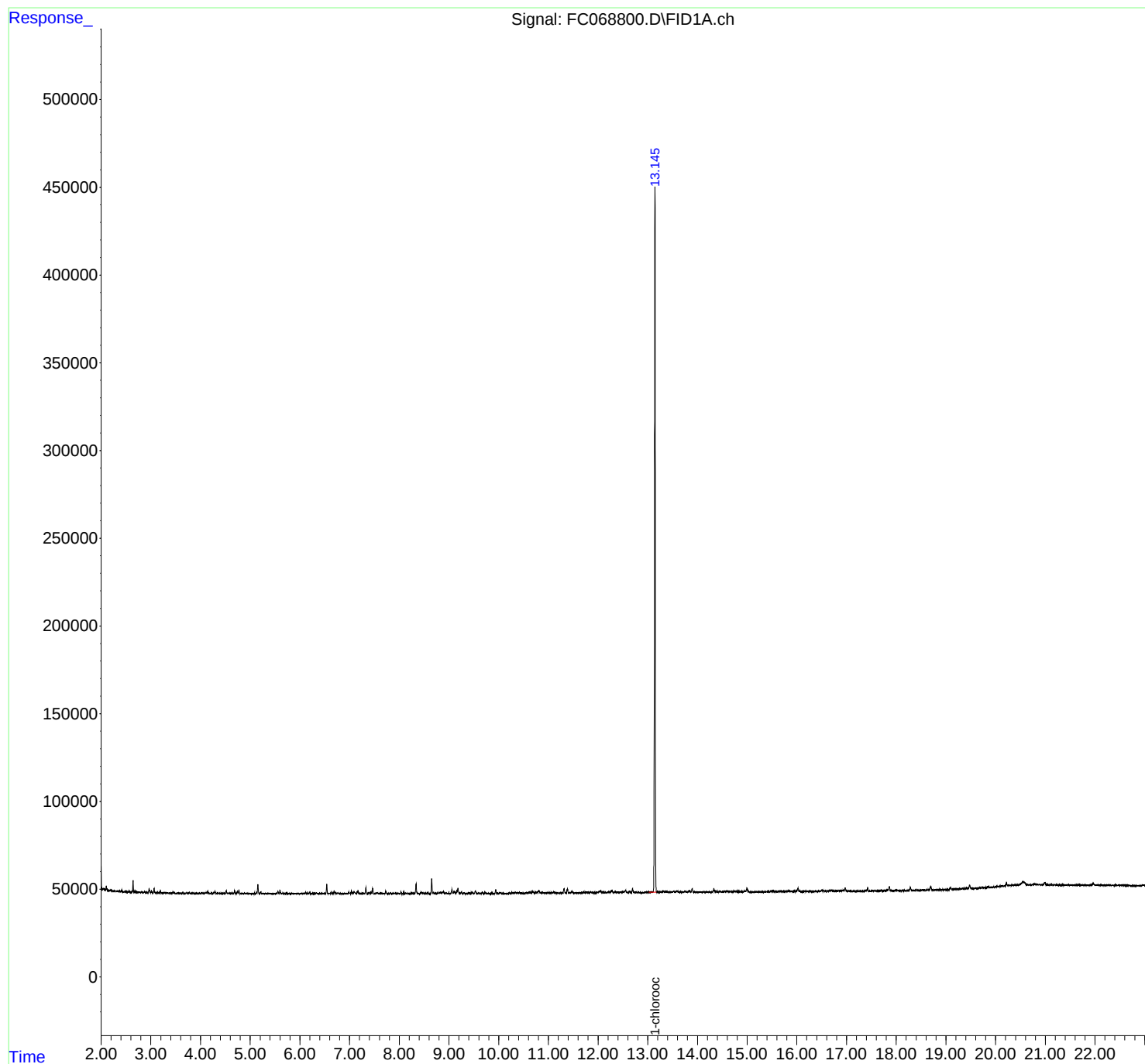
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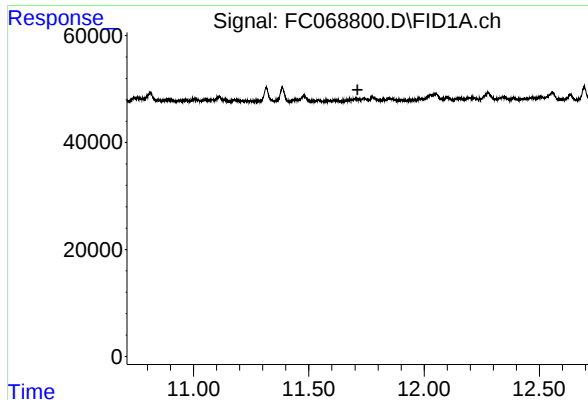
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Acq On : 08 May 2025 18:31
Operator : YP/AJ
Sample : Q1901-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-167-SB01

Integration File: autoint1.e
Quant Time: May 09 09:08:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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

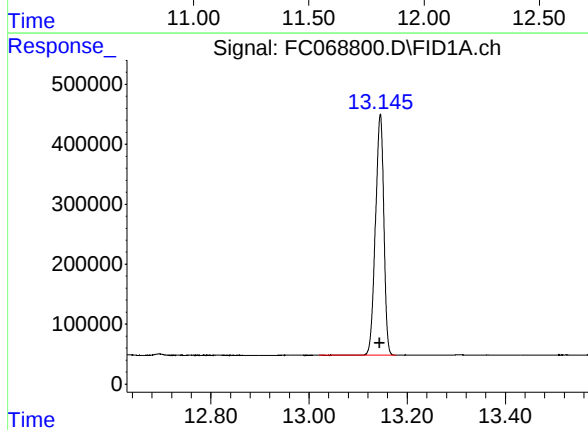




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.711 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-167-SB01



#12 1-chlorooctadecane (SURR)

R.T.: 13.145 min
Delta R.T.: 0.001 min
Response: 4752739
Conc: 59.24 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
 Data File : FC068800.D
 Signal(s) : FID1A.ch
 Acq On : 08 May 2025 18:31
 Sample : Q1901-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.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	5.155	5.040	5.189	BV	5424	69238	1.46%	1.366%
2	6.541	6.495	6.567	BB	5392	51650	1.09%	1.019%
3	7.328	7.297	7.365	BB	3517	37381	0.79%	0.737%
4	8.339	8.220	8.364	BB	5593	66747	1.40%	1.317%
5	8.653	8.599	8.707	BB	8566	91047	1.92%	1.796%
6	13.145	13.020	13.177	BB	402441	4752739	100.00%	93.765%
Sum of corrected areas:						5068802		

Aliphatic EPH 050625.M Fri May 09 09:32:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
 Data File : FD049326.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 17:53
 Operator : YP/AJ
 Sample : Q1901-02
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-167-SB01

Integration File: autoint1.e
 Quant Time: May 09 09:19:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 01 13:29:48 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...	7.741	5920352	49.931 ug/ml
Spiked Amount 50.000		Recovery =	99.86%
6) S 2-Fluorobiphenyl (SURR)	8.606	3946659	49.975 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	99.95%
11) S ortho-Terphenyl (SURR)	11.653	7896457	57.212 ug/ml
Spiked Amount 50.000		Recovery =	114.42%

Target Compounds

(f)=RT Delta > 1/2 Window

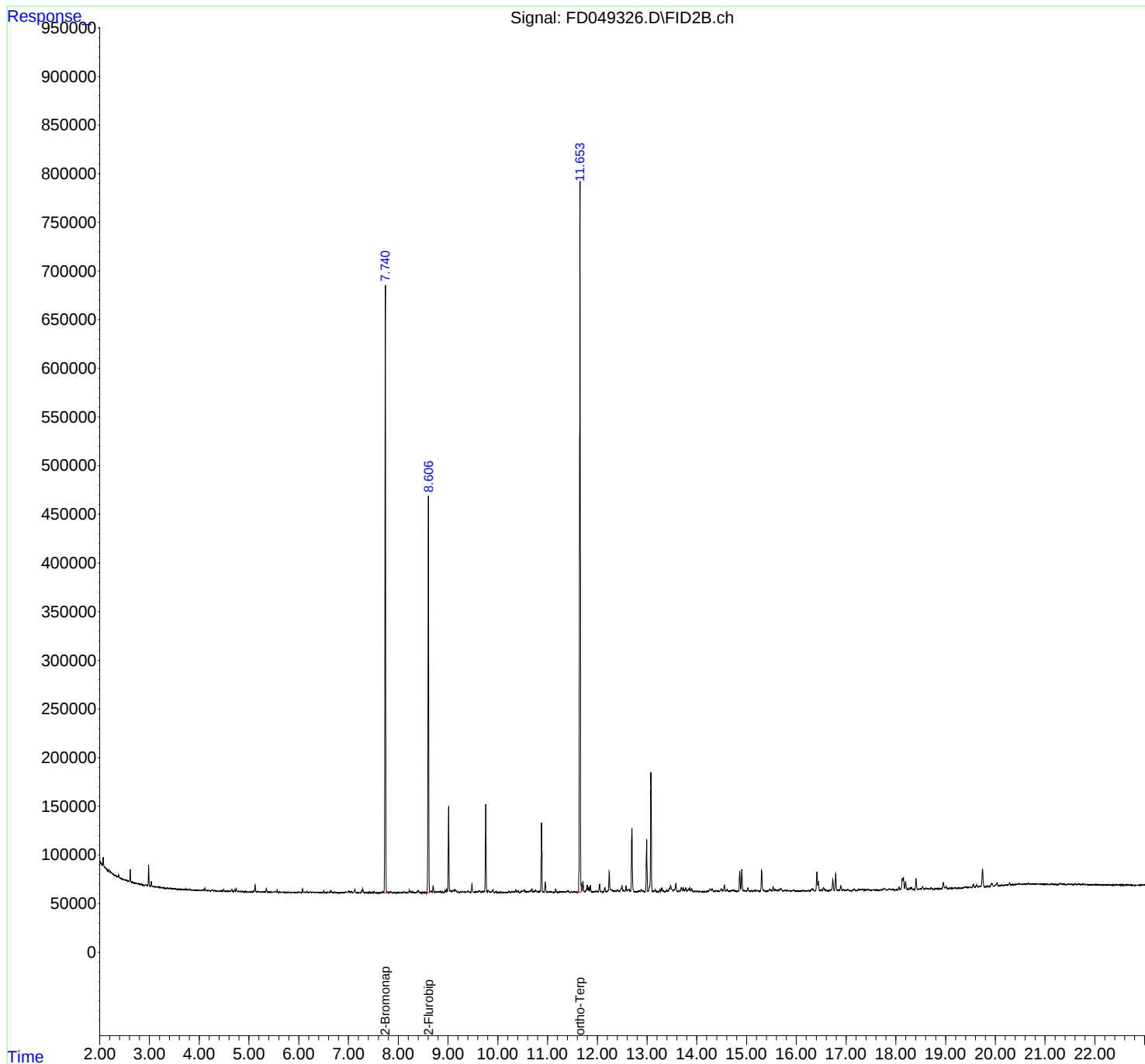
(m)=manual int.

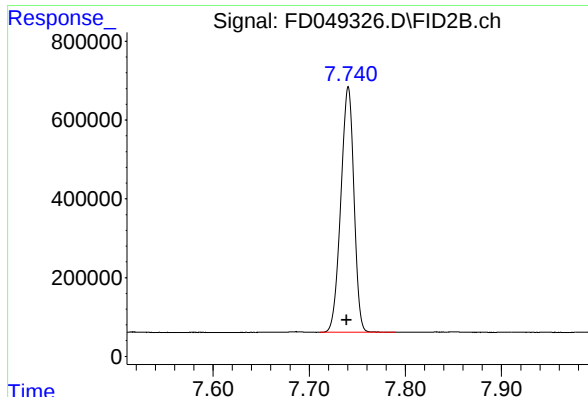
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
Data File : FD049326.D
Signal(s) : FID2B.ch
Acq On : 08 May 2025 17:53
Operator : YP/AJ
Sample : Q1901-02
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-167-SB01

Integration File: autoint1.e
Quant Time: May 09 09:19:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
Quant Title : GC Extractables
QLast Update : Thu May 01 13:29:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

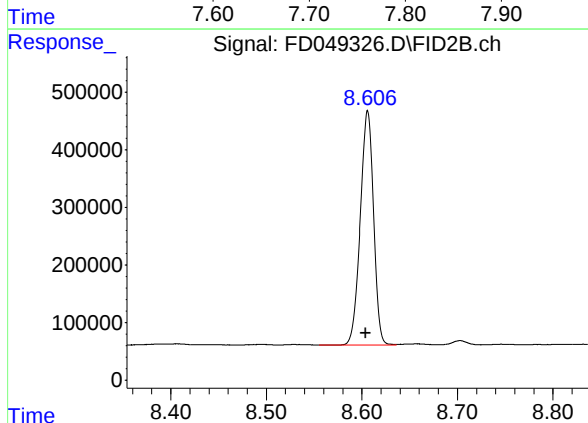




#4 2-Bromonaphthalene (SURR)

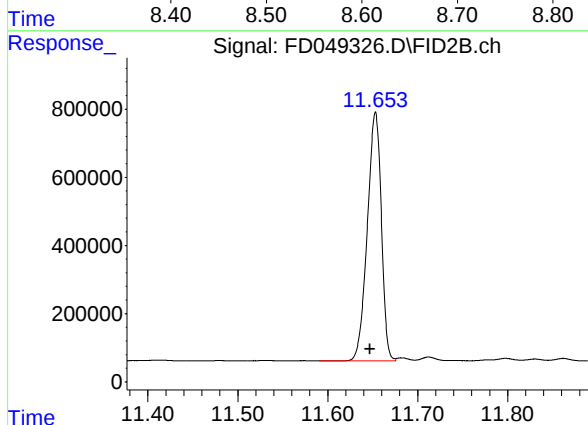
R.T.: 7.741 min
Delta R.T.: 0.002 min
Response: 5920352
Conc: 49.93 ug/ml

Instrument :
FID_D
ClientSampleId :
B-167-SB01



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.606 min
Delta R.T.: 0.003 min
Response: 3946659
Conc: 49.98 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.653 min
Delta R.T.: 0.006 min
Response: 7896457
Conc: 57.21 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
 Data File : FD049326.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 17:53
 Sample : Q1901-02
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.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	4.264	4.252	4.286	PH	1376	14260	0.18%	0.042%
2	4.305	4.286	4.342	PV	519	6499	0.08%	0.019%
3	4.355	4.350	4.371	VV	210	1600	0.02%	0.005%
4	4.380	4.371	4.399	VV	183	1369	0.02%	0.004%
5	4.410	4.399	4.422	PV	220	1572	0.02%	0.005%
6	4.449	4.422	4.465	VV	566	8031	0.10%	0.024%
7	4.489	4.465	4.527	VV	2237	26841	0.34%	0.079%
8	4.533	4.527	4.550	VV	401	3101	0.04%	0.009%
9	4.557	4.550	4.562	VV	260	1349	0.02%	0.004%
10	4.569	4.562	4.592	VV	389	4454	0.06%	0.013%
11	4.605	4.592	4.628	VV	625	8009	0.10%	0.023%
12	4.656	4.628	4.682	VV	2469	32945	0.42%	0.097%
13	4.690	4.682	4.697	VV	306	1784	0.02%	0.005%
14	4.713	4.697	4.730	VV	2259	23469	0.30%	0.069%
15	4.743	4.730	4.774	VV	3405	32564	0.41%	0.095%
16	4.796	4.774	4.818	VV	724	8623	0.11%	0.025%
17	4.839	4.818	4.853	VV	564	6742	0.09%	0.020%
18	4.862	4.853	4.882	VV	617	6755	0.09%	0.020%
19	4.889	4.882	4.908	VV	246	2064	0.03%	0.006%
20	4.935	4.908	4.960	VV	663	8287	0.10%	0.024%
21	5.002	4.998	5.011	VV	309	1679	0.02%	0.005%
22	5.015	5.011	5.021	VV	207	1097	0.01%	0.003%
23	5.046	5.021	5.068	VV	591	8108	0.10%	0.024%
24	5.098	5.068	5.106	VV	1474	15691	0.20%	0.046%
25	5.123	5.106	5.153	VV	7399	79528	1.00%	0.233%
26	5.180	5.153	5.222	VV	1335	20908	0.26%	0.061%
27	5.233	5.222	5.280	VV	477	9002	0.11%	0.026%
28	5.283	5.280	5.295	VV	233	1682	0.02%	0.005%
29	5.314	5.295	5.333	VV	586	9183	0.12%	0.027%
30	5.349	5.333	5.391	VV	3997	44588	0.56%	0.131%
31	5.407	5.391	5.439	VV	455	7302	0.09%	0.021%
32	5.446	5.439	5.462	VV	338	3548	0.04%	0.010%
33	5.467	5.462	5.477	VV	328	2115	0.03%	0.006%
34	5.495	5.477	5.510	VV	701	8645	0.11%	0.025%
35	5.525	5.510	5.549	VV	1130	13987	0.18%	0.041%
36	5.568	5.549	5.585	VV	2834	26708	0.34%	0.078%

					rt	Area	Area%	Area%
37	5.623	5.585	5.639	VV	904	13271	0.17%	0.039%
38	5.662	5.639	5.670	VV	393	5739	0.07%	0.017%
39	5.686	5.670	5.695	VV	455	5406	0.07%	0.016%
40	5.706	5.695	5.729	VV	459	5402	0.07%	0.016%
41	5.739	5.729	5.748	VV	211	1311	0.02%	0.004%
42	5.778	5.748	5.792	VV	504	7802	0.10%	0.023%
43	5.815	5.792	5.840	VV	659	10009	0.13%	0.029%
44	5.846	5.840	5.853	VV	268	1781	0.02%	0.005%
45	5.861	5.853	5.867	VV	437	2415	0.03%	0.007%
46	5.879	5.867	5.924	VV	411	7461	0.09%	0.022%
47	5.947	5.934	5.955	PV	167	1246	0.02%	0.004%
48	5.985	5.963	6.004	VV	986	12795	0.16%	0.038%
49	6.015	6.004	6.022	VV	552	3767	0.05%	0.011%
50	6.034	6.022	6.056	VV	438	6773	0.09%	0.020%
51	6.077	6.056	6.107	VV	4125	44068	0.56%	0.129%
52	6.123	6.107	6.147	VV	762	9736	0.12%	0.029%
53	6.164	6.147	6.197	VV	1674	19724	0.25%	0.058%
54	6.202	6.197	6.206	VV	340	1482	0.02%	0.004%
55	6.223	6.206	6.239	VV	1014	12117	0.15%	0.036%
56	6.247	6.239	6.261	VV	480	4716	0.06%	0.014%
57	6.298	6.261	6.327	VV	878	18141	0.23%	0.053%
58	6.334	6.327	6.340	VV	398	2359	0.03%	0.007%
59	6.356	6.340	6.381	VV	674	11686	0.15%	0.034%
60	6.385	6.381	6.398	VV	286	2197	0.03%	0.006%
61	6.407	6.398	6.415	VV	210	1305	0.02%	0.004%
62	6.432	6.423	6.462	VV	290	5282	0.07%	0.015%
63	6.470	6.462	6.480	VV	360	2917	0.04%	0.009%
64	6.503	6.480	6.531	VV	2363	27418	0.35%	0.080%
65	6.542	6.531	6.560	VV	457	6016	0.08%	0.018%
66	6.567	6.560	6.571	VV	464	2280	0.03%	0.007%
67	6.587	6.571	6.612	VV	1161	12953	0.16%	0.038%
68	6.624	6.612	6.638	VV	973	10428	0.13%	0.031%
69	6.652	6.638	6.674	VV	2132	23264	0.29%	0.068%
70	6.688	6.674	6.703	VV	690	7930	0.10%	0.023%
71	6.725	6.703	6.743	VV	1193	13340	0.17%	0.039%
72	6.753	6.743	6.802	VV	280	8479	0.11%	0.025%
73	6.826	6.802	6.849	PV	540	7703	0.10%	0.023%
74	6.863	6.849	6.870	VV	302	2430	0.03%	0.007%
75	6.880	6.870	6.887	VV	411	2941	0.04%	0.009%
76	6.889	6.887	6.912	VV	378	3082	0.04%	0.009%
77	6.946	6.921	6.978	VV	1348	19435	0.25%	0.057%
78	6.998	6.978	7.034	VV	1936	37530	0.47%	0.110%
79	7.047	7.034	7.096	VV	1463	32471	0.41%	0.095%
80	7.128	7.096	7.175	VV	3811	57886	0.73%	0.170%
81	7.180	7.175	7.185	VV	340	1872	0.02%	0.005%
82	7.195	7.185	7.203	VV	365	3536	0.04%	0.010%
83	7.208	7.203	7.218	VV	417	3227	0.04%	0.009%
84	7.233	7.218	7.248	VV	478	6803	0.09%	0.020%
85	7.265	7.248	7.274	VV	2765	25528	0.32%	0.075%
86	7.286	7.274	7.322	VV	4622	54031	0.68%	0.158%
87	7.341	7.322	7.356	VV	686	8242	0.10%	0.024%
88	7.366	7.356	7.378	VV	630	6403	0.08%	0.019%
89	7.391	7.378	7.405	VV	1008	10793	0.14%	0.032%

					rteres			
90	7.423	7.405	7.443	VV	1355	18823	0.24%	0.055%
91	7.459	7.443	7.473	VV	626	7711	0.10%	0.023%
92	7.491	7.473	7.503	VV	950	11846	0.15%	0.035%
93	7.517	7.503	7.549	VV	1167	16520	0.21%	0.048%
94	7.554	7.549	7.572	VV	293	2150	0.03%	0.006%
95	7.579	7.572	7.583	VV	388	1941	0.02%	0.006%
96	7.587	7.583	7.616	VV	383	2806	0.04%	0.008%
97	7.657	7.616	7.670	PV	705	11901	0.15%	0.035%
98	7.687	7.670	7.709	VV	1956	24684	0.31%	0.072%
99	7.741	7.709	7.795	VV	623537	5944875	75.11%	17.429%
100	7.799	7.795	7.818	VV	803	8490	0.11%	0.025%
101	7.832	7.818	7.843	VV	1224	13604	0.17%	0.040%
102	7.854	7.843	7.879	VV	1340	17847	0.23%	0.052%
103	7.883	7.879	7.893	VV	482	3019	0.04%	0.009%
104	7.907	7.893	7.938	VV	720	12982	0.16%	0.038%
105	7.946	7.938	7.972	VV	645	6342	0.08%	0.019%
106	7.989	7.972	8.035	VV	881	21524	0.27%	0.063%
107	8.045	8.035	8.050	VV	440	3644	0.05%	0.011%
108	8.055	8.050	8.065	VV	489	3421	0.04%	0.010%
109	8.104	8.065	8.113	VV	1235	20494	0.26%	0.060%
110	8.122	8.113	8.168	VV	1239	17757	0.22%	0.052%
111	8.197	8.168	8.207	VV	950	14078	0.18%	0.041%
112	8.223	8.207	8.240	VV	3013	33660	0.43%	0.099%
113	8.252	8.240	8.278	VV	1938	24458	0.31%	0.072%
114	8.293	8.278	8.311	VV	2056	21572	0.27%	0.063%
115	8.325	8.311	8.340	VV	381	5995	0.08%	0.018%
116	8.346	8.340	8.351	VV	376	2116	0.03%	0.006%
117	8.390	8.351	8.395	VV	1853	27198	0.34%	0.080%
118	8.407	8.395	8.428	VV	2183	30100	0.38%	0.088%
119	8.442	8.428	8.470	VV	847	13669	0.17%	0.040%
120	8.495	8.470	8.512	VV	1116	16591	0.21%	0.049%
121	8.529	8.512	8.562	VV	1103	15995	0.20%	0.047%
122	8.606	8.562	8.636	PV	406801	3955191	49.97%	11.596%
123	8.657	8.636	8.680	VV	2147	39609	0.50%	0.116%
124	8.703	8.680	8.725	VV	7793	87713	1.11%	0.257%
125	8.747	8.725	8.770	VV	1499	26383	0.33%	0.077%
126	8.782	8.770	8.791	VV	1140	11450	0.14%	0.034%
127	8.809	8.791	8.820	VV	1253	18312	0.23%	0.054%
128	8.833	8.820	8.840	VV	1395	15578	0.20%	0.046%
129	8.851	8.840	8.878	VV	1758	26492	0.33%	0.078%
130	8.894	8.878	8.915	VV	1011	16327	0.21%	0.048%
131	8.945	8.915	8.960	VV	2418	36510	0.46%	0.107%
132	8.974	8.960	8.990	VV	4383	47456	0.60%	0.139%
133	9.013	8.990	9.036	VV	89386	877386	11.09%	2.572%
134	9.044	9.036	9.063	VV	2412	32876	0.42%	0.096%
135	9.068	9.063	9.082	VV	1839	17732	0.22%	0.052%
136	9.099	9.082	9.118	VV	2822	47172	0.60%	0.138%
137	9.132	9.118	9.158	VV	3893	64982	0.82%	0.191%
138	9.166	9.158	9.187	VV	2188	27062	0.34%	0.079%
139	9.202	9.187	9.219	VV	1401	18622	0.24%	0.055%
140	9.223	9.219	9.227	VV	418	1785	0.02%	0.005%
141	9.265	9.227	9.281	VV	1399	29016	0.37%	0.085%

					rteres			
142	9.298	9.281	9.318	VV	1913	26694	0.34%	0.078%
143	9.338	9.318	9.383	VV	1169	33732	0.43%	0.099%
144	9.402	9.383	9.432	VV	1979	40088	0.51%	0.118%
145	9.444	9.432	9.456	VV	967	11621	0.15%	0.034%
146	9.483	9.456	9.535	VV	9436	123483	1.56%	0.362%
147	9.561	9.535	9.593	VV	1566	35287	0.45%	0.103%
148	9.606	9.593	9.617	VV	1564	18455	0.23%	0.054%
149	9.635	9.617	9.657	VV	2514	38728	0.49%	0.114%
150	9.667	9.657	9.674	VV	931	8317	0.11%	0.024%
151	9.694	9.674	9.712	VV	2023	29739	0.38%	0.087%
152	9.729	9.712	9.737	VV	1928	21741	0.27%	0.064%
153	9.760	9.737	9.787	VV	90935	925959	11.70%	2.715%
154	9.806	9.787	9.822	VV	2668	38971	0.49%	0.114%
155	9.829	9.822	9.854	VV	1505	18801	0.24%	0.055%
156	9.860	9.854	9.872	VV	544	5272	0.07%	0.015%
157	9.904	9.872	9.949	VV	3121	57613	0.73%	0.169%
158	9.967	9.949	9.989	VV	1149	17730	0.22%	0.052%
159	9.996	9.989	10.025	VV	626	9408	0.12%	0.028%
160	10.044	10.025	10.056	VV	574	8520	0.11%	0.025%
161	10.074	10.056	10.108	VV	740	14618	0.18%	0.043%
162	10.114	10.108	10.126	PV	157	1350	0.02%	0.004%
163	10.167	10.126	10.185	VV	493	8803	0.11%	0.026%
164	10.220	10.185	10.227	VV	964	17576	0.22%	0.052%
165	10.230	10.227	10.261	VV	921	12546	0.16%	0.037%
166	10.283	10.261	10.302	VV	1030	16996	0.21%	0.050%
167	10.317	10.302	10.325	VV	1070	12084	0.15%	0.035%
168	10.327	10.325	10.340	VV	1133	8776	0.11%	0.026%
169	10.362	10.340	10.387	VV	2783	43382	0.55%	0.127%
170	10.404	10.387	10.451	VV	2224	42313	0.53%	0.124%
171	10.481	10.451	10.498	VV	2178	35862	0.45%	0.105%
172	10.503	10.498	10.512	VV	1458	11518	0.15%	0.034%
173	10.531	10.512	10.550	VV	3454	46269	0.58%	0.136%
174	10.559	10.550	10.570	VV	1234	12822	0.16%	0.038%
175	10.576	10.570	10.592	VV	1151	12143	0.15%	0.036%
176	10.613	10.592	10.632	VV	1151	23781	0.30%	0.070%
177	10.648	10.632	10.661	VV	2060	25078	0.32%	0.074%
178	10.684	10.661	10.704	VV	4040	62844	0.79%	0.184%
179	10.714	10.704	10.732	VV	1545	20834	0.26%	0.061%
180	10.758	10.732	10.797	VV	2402	56233	0.71%	0.165%
181	10.814	10.797	10.832	VV	1008	16009	0.20%	0.047%
182	10.850	10.832	10.858	VV	1675	17649	0.22%	0.052%
183	10.881	10.858	10.919	VV	71890	748861	9.46%	2.195%
184	10.924	10.919	10.930	VV	490	3010	0.04%	0.009%
185	10.955	10.930	10.980	VV	10764	123537	1.56%	0.362%
186	10.993	10.980	11.017	VV	634	11038	0.14%	0.032%
187	11.028	11.017	11.037	VV	760	6284	0.08%	0.018%
188	11.054	11.037	11.095	VV	1139	23776	0.30%	0.070%
189	11.101	11.095	11.108	VV	343	1873	0.02%	0.005%
190	11.114	11.108	11.122	VV	284	1821	0.02%	0.005%
191	11.132	11.122	11.145	VV	337	3808	0.05%	0.011%
192	11.164	11.145	11.213	VV	3610	45813	0.58%	0.134%
193	11.256	11.213	11.261	VV	875	15520	0.20%	0.046%
194	11.264	11.261	11.272	VV	899	5710	0.07%	0.017%

					rteres			
195	11.276	11.272	11.297	VV	917	10847	0.14%	0.032%
196	11.304	11.297	11.311	VV	677	5223	0.07%	0.015%
197	11.328	11.311	11.354	VV	1203	18375	0.23%	0.054%
198	11.416	11.354	11.449	VV	2020	55496	0.70%	0.163%
199	11.479	11.449	11.499	VV	1019	14116	0.18%	0.041%
200	11.532	11.499	11.555	PV	1290	20956	0.26%	0.061%
201	11.573	11.555	11.590	VV	864	10324	0.13%	0.030%
202	11.606	11.590	11.612	VV	396	4219	0.05%	0.012%
203	11.653	11.612	11.676	VV	731199	7914551	100.00%	23.203%
204	11.682	11.676	11.697	VV	9204	82553	1.04%	0.242%
205	11.712	11.697	11.736	VV	11299	128257	1.62%	0.376%
206	11.743	11.736	11.758	VV	1306	12914	0.16%	0.038%
207	11.798	11.758	11.816	VV	7435	122782	1.55%	0.360%
208	11.831	11.816	11.845	VV	5529	64016	0.81%	0.188%
209	11.862	11.845	11.888	VV	7344	84777	1.07%	0.249%
210	11.900	11.888	11.910	VV	633	5779	0.07%	0.017%
211	11.930	11.910	11.952	VV	851	15190	0.19%	0.045%
212	11.985	11.952	12.011	VV	1441	34824	0.44%	0.102%
213	12.045	12.011	12.072	VV	8507	120882	1.53%	0.354%
214	12.084	12.072	12.107	VV	1120	15792	0.20%	0.046%
215	12.151	12.107	12.183	VV	5143	73916	0.93%	0.217%
216	12.238	12.183	12.279	VV	21506	313026	3.96%	0.918%
217	12.292	12.279	12.318	VV	2459	47407	0.60%	0.139%
218	12.324	12.318	12.341	VV	1464	18113	0.23%	0.053%
219	12.356	12.341	12.382	VV	1594	33308	0.42%	0.098%
220	12.401	12.382	12.412	VV	2212	32107	0.41%	0.094%
221	12.423	12.412	12.451	VV	1863	32091	0.41%	0.094%
222	12.495	12.451	12.515	VV	6597	127840	1.62%	0.375%
223	12.525	12.515	12.557	VV	2518	39757	0.50%	0.117%
224	12.578	12.557	12.596	VV	6508	83551	1.06%	0.245%
225	12.615	12.596	12.623	VV	2625	33509	0.42%	0.098%
226	12.639	12.623	12.658	VV	3053	46664	0.59%	0.137%
227	12.694	12.658	12.747	VV	65734	761880	9.63%	2.234%
228	12.754	12.747	12.777	VV	716	9130	0.12%	0.027%
229	12.829	12.777	12.836	VV	1261	26269	0.33%	0.077%
230	12.848	12.836	12.864	VV	1505	20314	0.26%	0.060%
231	12.883	12.864	12.898	VV	2932	38213	0.48%	0.112%
232	12.903	12.898	12.944	VV	1500	27682	0.35%	0.081%
233	12.957	12.944	12.965	VV	773	7464	0.09%	0.022%
234	12.991	12.965	13.016	VV	54579	582104	7.35%	1.707%
235	13.078	13.016	13.108	VV	123381	1475799	18.65%	4.327%
236	13.129	13.108	13.146	VV	1095	18906	0.24%	0.055%
237	13.164	13.146	13.185	VV	2397	31688	0.40%	0.093%
238	13.200	13.185	13.220	VV	821	10158	0.13%	0.030%
239	13.258	13.220	13.277	PV	2887	44057	0.56%	0.129%
240	13.296	13.277	13.318	VV	4480	63694	0.80%	0.187%
241	13.326	13.318	13.349	VV	1611	18764	0.24%	0.055%
242	13.358	13.349	13.363	VV	411	2987	0.04%	0.009%
243	13.387	13.363	13.403	VV	2025	27585	0.35%	0.081%
244	13.411	13.403	13.428	VV	1218	16585	0.21%	0.049%
245	13.450	13.428	13.459	VV	4224	55301	0.70%	0.162%
246	13.472	13.459	13.537	VV	6962	152983	1.93%	0.449%

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247	13.577	13.537	13.616	VV	8451	156298	1.97%	0.458%
248	13.621	13.616	13.623	VV	591	2358	0.03%	0.007%
249	13.647	13.623	13.663	VV	1669	24970	0.32%	0.073%
250	13.687	13.663	13.708	VV	4573	71917	0.91%	0.211%
251	13.726	13.708	13.752	VV	4618	64845	0.82%	0.190%
252	13.778	13.752	13.800	VV	4436	71160	0.90%	0.209%
253	13.832	13.800	13.839	VV	2473	42407	0.54%	0.124%
254	13.855	13.839	13.875	VV	4365	58742	0.74%	0.172%
255	13.896	13.875	13.940	VV	3558	57472	0.73%	0.168%
256	13.969	13.940	13.987	VV	799	15329	0.19%	0.045%
257	14.008	13.987	14.019	VV	782	10164	0.13%	0.030%
258	14.024	14.019	14.042	VV	433	5098	0.06%	0.015%
259	14.057	14.042	14.072	VV	587	9062	0.11%	0.027%
260	14.079	14.072	14.092	VV	577	5442	0.07%	0.016%
261	14.100	14.092	14.123	VV	451	4960	0.06%	0.015%
262	14.133	14.123	14.147	VV	256	1830	0.02%	0.005%
263	14.168	14.147	14.185	VV	589	7959	0.10%	0.023%
264	14.220	14.185	14.235	VV	1030	15951	0.20%	0.047%
265	14.264	14.235	14.289	VV	3200	60581	0.77%	0.178%
266	14.308	14.289	14.349	VV	3212	55985	0.71%	0.164%
267	14.393	14.349	14.399	VV	984	21069	0.27%	0.062%
268	14.416	14.399	14.452	VV	1247	26395	0.33%	0.077%
269	14.491	14.452	14.512	VV	3129	62669	0.79%	0.184%
270	14.516	14.512	14.532	VV	1336	15361	0.19%	0.045%
271	14.553	14.532	14.576	VV	7068	92042	1.16%	0.270%
272	14.581	14.576	14.592	VV	1089	9851	0.12%	0.029%
273	14.610	14.592	14.643	VV	2685	42731	0.54%	0.125%
274	14.648	14.643	14.653	VV	542	2751	0.03%	0.008%
275	14.679	14.653	14.687	VV	1074	14907	0.19%	0.044%
276	14.707	14.687	14.719	VV	1328	20820	0.26%	0.061%
277	14.738	14.719	14.751	VV	1596	26018	0.33%	0.076%
278	14.758	14.751	14.803	VV	1236	22414	0.28%	0.066%
279	14.818	14.803	14.833	VV	602	6521	0.08%	0.019%
280	14.861	14.833	14.881	VV	21164	254118	3.21%	0.745%
281	14.902	14.881	14.940	VV	22748	295340	3.73%	0.866%
282	14.945	14.940	14.960	VV	1114	12013	0.15%	0.035%
283	14.967	14.960	14.990	VV	1174	14269	0.18%	0.042%
284	14.997	14.990	15.001	VV	690	3653	0.05%	0.011%
285	15.025	15.001	15.055	VV	4052	57743	0.73%	0.169%
286	15.062	15.055	15.074	VV	780	7348	0.09%	0.022%
287	15.098	15.074	15.130	VV	1443	24192	0.31%	0.071%
288	15.159	15.130	15.186	PV	1727	29644	0.37%	0.087%
289	15.201	15.186	15.213	VV	1363	17556	0.22%	0.051%
290	15.224	15.213	15.255	VV	1135	18171	0.23%	0.053%
291	15.260	15.255	15.265	VV	418	1923	0.02%	0.006%
292	15.301	15.265	15.388	VV	21908	320079	4.04%	0.938%
293	15.394	15.388	15.417	VV	628	8416	0.11%	0.025%
294	15.424	15.417	15.430	VV	771	5044	0.06%	0.015%
295	15.463	15.430	15.483	VV	2225	44030	0.56%	0.129%
296	15.493	15.483	15.511	VV	1564	21450	0.27%	0.063%
297	15.533	15.511	15.554	VV	4939	68788	0.87%	0.202%
298	15.570	15.554	15.589	VV	2690	36017	0.46%	0.106%
299	15.615	15.589	15.633	VV	1295	27866	0.35%	0.082%

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300	15.671	15.633	15.683	VV	2493	49256	0.62%	0.144%
301	15.697	15.683	15.727	VV	2645	45585	0.58%	0.134%
302	15.771	15.727	15.798	VV	1538	37341	0.47%	0.109%
303	15.816	15.798	15.840	VV	1292	20610	0.26%	0.060%
304	15.857	15.840	15.881	VV	1129	17580	0.22%	0.052%
305	15.890	15.881	15.900	VV	516	5200	0.07%	0.015%
306	15.905	15.900	15.915	VV	621	4174	0.05%	0.012%
307	15.945	15.915	15.982	VV	1411	32213	0.41%	0.094%
308	15.999	15.982	16.021	VV	680	11937	0.15%	0.035%
309	16.029	16.021	16.047	VV	356	3966	0.05%	0.012%
310	16.053	16.047	16.075	VV	263	2817	0.04%	0.008%
311	16.088	16.075	16.107	VV	532	7300	0.09%	0.021%
312	16.140	16.107	16.160	VV	1308	23412	0.30%	0.069%
313	16.166	16.160	16.196	VV	561	6708	0.08%	0.020%
314	16.206	16.196	16.212	VV	364	2427	0.03%	0.007%
315	16.219	16.212	16.225	VV	539	3362	0.04%	0.010%
316	16.239	16.225	16.267	VV	831	13925	0.18%	0.041%
317	16.281	16.267	16.287	VV	693	6345	0.08%	0.019%
318	16.312	16.287	16.330	VV	2732	43887	0.55%	0.129%
319	16.339	16.330	16.364	VV	1920	23221	0.29%	0.068%
320	16.413	16.364	16.430	VV	19865	277737	3.51%	0.814%
321	16.441	16.430	16.482	VV	9393	119155	1.51%	0.349%
322	16.508	16.482	16.524	VV	1625	27781	0.35%	0.081%
323	16.544	16.524	16.632	VV	3682	95409	1.21%	0.280%
324	16.635	16.632	16.648	VV	675	4704	0.06%	0.014%
325	16.662	16.648	16.673	VV	926	10791	0.14%	0.032%
326	16.732	16.673	16.759	VV	11975	185452	2.34%	0.544%
327	16.789	16.759	16.840	VV	17869	240591	3.04%	0.705%
328	16.892	16.840	16.920	VV	5575	92756	1.17%	0.272%
329	16.942	16.920	16.974	VV	1830	35416	0.45%	0.104%
330	16.980	16.974	16.985	VV	717	4261	0.05%	0.012%
331	17.032	16.985	17.082	VV	1450	50832	0.64%	0.149%
332	17.097	17.082	17.115	VV	677	7816	0.10%	0.023%
333	17.128	17.115	17.131	PV	592	3318	0.04%	0.010%
334	17.161	17.131	17.189	VV	2032	44894	0.57%	0.132%
335	17.196	17.189	17.214	VV	945	8894	0.11%	0.026%
336	17.252	17.214	17.270	VV	1855	29855	0.38%	0.088%
337	17.290	17.270	17.302	VV	1389	22359	0.28%	0.066%
338	17.317	17.302	17.323	VV	1461	14803	0.19%	0.043%
339	17.336	17.323	17.355	VV	1531	22487	0.28%	0.066%
340	17.375	17.355	17.392	VV	1287	19081	0.24%	0.056%
341	17.403	17.392	17.420	VV	943	12712	0.16%	0.037%
342	17.424	17.420	17.427	VV	776	2754	0.03%	0.008%
343	17.446	17.427	17.475	VV	1635	28863	0.36%	0.085%
344	17.491	17.475	17.507	VV	681	8318	0.11%	0.024%
345	17.519	17.507	17.525	VV	439	3999	0.05%	0.012%
346	17.561	17.525	17.577	VV	879	19219	0.24%	0.056%
347	17.580	17.577	17.591	VV	544	4015	0.05%	0.012%
348	17.597	17.591	17.605	VV	457	2991	0.04%	0.009%
349	17.614	17.605	17.640	VV	434	8154	0.10%	0.024%
350	17.660	17.654	17.679	VV	378	2575	0.03%	0.008%
351	17.701	17.679	17.715	VV	717	11107	0.14%	0.033%

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352	17.747	17.715	17.753	VV	1163	18815	0.24%	0.055%
353	17.777	17.753	17.804	VV	2217	39099	0.49%	0.115%
354	17.867	17.804	17.875	VV	1412	29941	0.38%	0.088%
355	17.880	17.875	17.902	VV	1249	12518	0.16%	0.037%
356	17.921	17.902	17.929	VV	798	10097	0.13%	0.030%
357	17.941	17.929	17.973	VV	953	15636	0.20%	0.046%
358	17.992	17.973	18.007	VV	503	6566	0.08%	0.019%
359	18.021	18.007	18.039	VV	429	5115	0.06%	0.015%
360	18.063	18.039	18.085	PV	2779	38002	0.48%	0.111%
361	18.093	18.085	18.102	VV	710	7085	0.09%	0.021%
362	18.128	18.102	18.138	VV	11631	148047	1.87%	0.434%
363	18.150	18.138	18.174	VV	12675	179587	2.27%	0.526%
364	18.194	18.174	18.225	VV	8333	124600	1.57%	0.365%
365	18.237	18.225	18.262	VV	962	14156	0.18%	0.042%
366	18.286	18.262	18.300	VV	2283	32141	0.41%	0.094%
367	18.317	18.300	18.342	VV	2233	32053	0.40%	0.094%
368	18.352	18.342	18.370	VV	535	5293	0.07%	0.016%
369	18.405	18.370	18.441	VV	11153	142857	1.80%	0.419%
370	18.446	18.441	18.457	VV	417	3388	0.04%	0.010%
371	18.463	18.457	18.468	VV	238	1536	0.02%	0.005%
372	18.491	18.468	18.508	VV	815	11894	0.15%	0.035%
373	18.537	18.508	18.583	VV	3131	51310	0.65%	0.150%
374	18.606	18.583	18.630	VV	1719	25508	0.32%	0.075%
375	18.634	18.630	18.653	VV	558	5416	0.07%	0.016%
376	18.660	18.653	18.672	VV	284	2103	0.03%	0.006%
377	18.712	18.672	18.742	VV	1251	24138	0.30%	0.071%
378	18.745	18.742	18.758	VV	255	2163	0.03%	0.006%
379	18.777	18.758	18.793	VV	305	4559	0.06%	0.013%
380	18.805	18.793	18.818	VV	422	4593	0.06%	0.013%
381	18.839	18.818	18.863	VV	658	11094	0.14%	0.033%
382	18.878	18.863	18.885	VV	459	4376	0.06%	0.013%
383	18.889	18.885	18.898	VV	362	1474	0.02%	0.004%
384	18.918	18.898	18.923	PV	423	4364	0.06%	0.013%
385	18.953	18.923	18.983	VV	6097	90180	1.14%	0.264%

Sum of corrected areas: 34109697

Aromatic EPH 050125.M Fri May 09 09:49:23 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
Data File : FC068801.D
Signal(s) : FID1A.ch
Acq On : 08 May 2025 19:09
Operator : YP/AJ
Sample : Q1901-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-170-SB01

Integration File: autoint1.e
Quant Time: May 09 09:09:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 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	3145610	39.209 ug/ml
Spiked Amount	50.000	Recovery	= 78.42%

Target Compounds

(f)=RT Delta > 1/2 Window

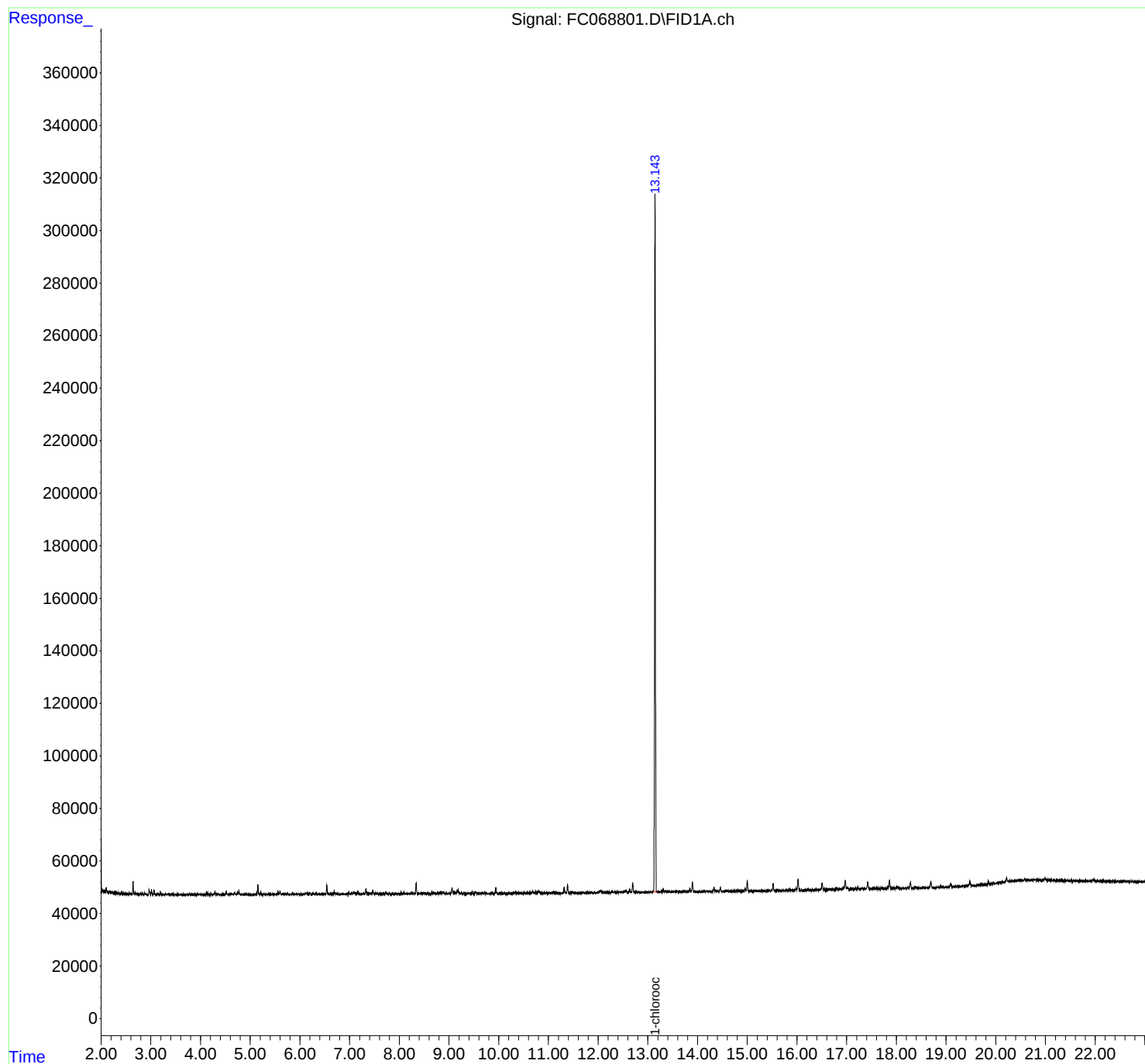
(m)=manual int.

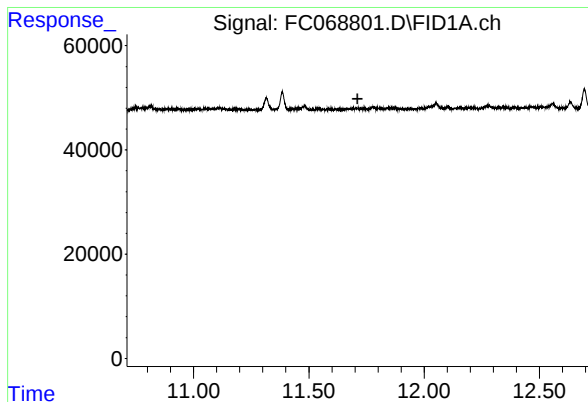
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
Data File : FC068801.D
Signal(s) : FID1A.ch
Acq On : 08 May 2025 19:09
Operator : YP/AJ
Sample : Q1901-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-170-SB01

Integration File: autoint1.e
Quant Time: May 09 09:09:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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

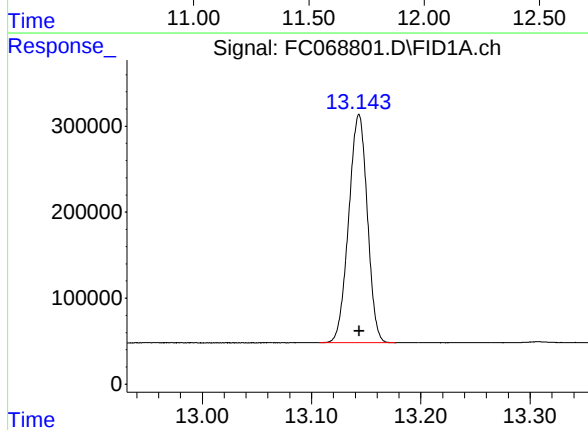




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.711 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-170-SB01



#12 1-chlorooctadecane (SURR)

R.T.: 13.143 min
Delta R.T.: 0.000 min
Response: 3145610
Conc: 39.21 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
 Data File : FC068801.D
 Signal(s) : FID1A.ch
 Acq On : 08 May 2025 19:09
 Sample : Q1901-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.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	5.155	5.083	5.187	BV	3765	41105	1.31%	1.157%
2	6.542	6.492	6.577	BB	3535	35491	1.13%	0.999%
3	8.339	8.293	8.385	BB	4028	44047	1.40%	1.240%
4	11.385	11.340	11.413	BB	3355	40300	1.28%	1.134%
5	12.695	12.665	12.738	BB	3665	45483	1.45%	1.280%
6	13.143	13.107	13.177	BB	266217	3145610	100.00%	88.524%
7	13.894	13.867	13.940	PB	3727	47931	1.52%	1.349%
8	14.997	14.970	15.025	VB	3990	52517	1.67%	1.478%
9	16.020	15.997	16.055	VB	4078	51959	1.65%	1.462%
10	16.970	16.903	16.998	BV	3299	48942	1.56%	1.377%

Sum of corrected areas: 3553385

Aliphatic EPH 050625.M Fri May 09 09:33:12 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
 Data File : FD049327.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 18:31
 Operator : YP/AJ
 Sample : Q1901-03
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-170-SB01

Integration File: autoint1.e
 Quant Time: May 09 09:20:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 01 13:29:48 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...	7.742	7294212	61.518 ug/ml
Spiked Amount 50.000		Recovery =	123.04%
6) S 2-Fluorobiphenyl (SURR)	8.608	5025132	63.632 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	127.26%
11) S ortho-Terphenyl (SURR)	11.652	5845951	42.356 ug/ml
Spiked Amount 50.000		Recovery =	84.71%

Target Compounds

(f)=RT Delta > 1/2 Window

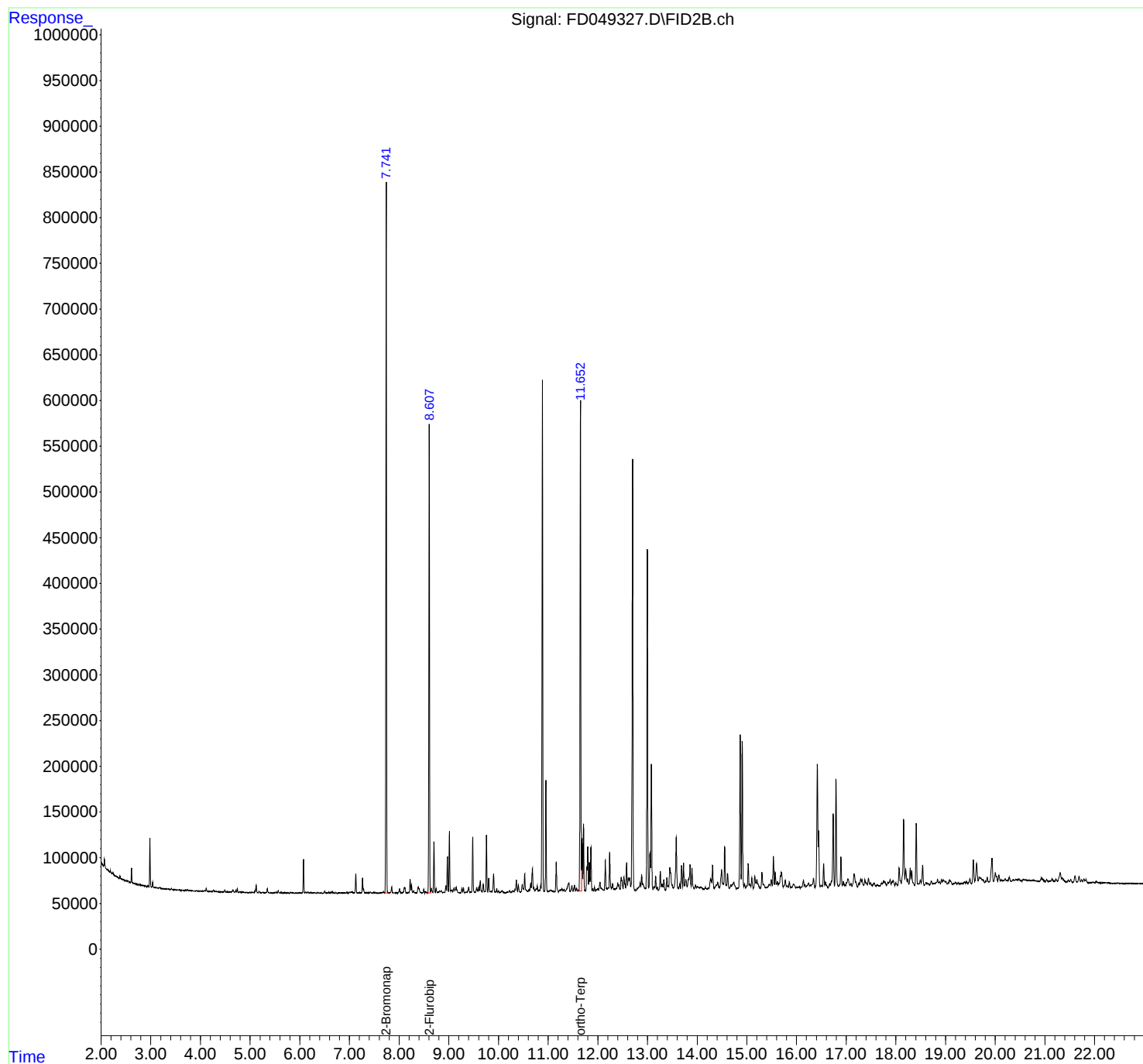
(m)=manual int.

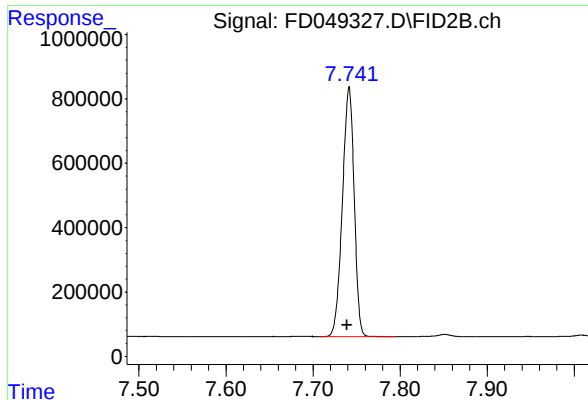
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
Data File : FD049327.D
Signal(s) : FID2B.ch
Acq On : 08 May 2025 18:31
Operator : YP/AJ
Sample : Q1901-03
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-170-SB01

Integration File: autoint1.e
Quant Time: May 09 09:20:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
Quant Title : GC Extractables
QLast Update : Thu May 01 13:29:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

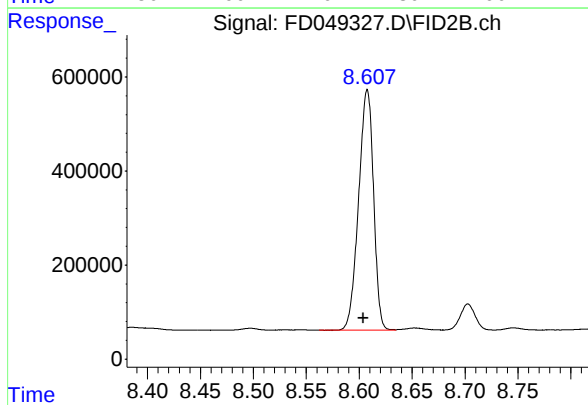




#4 2-Bromonaphthalene (SURR)

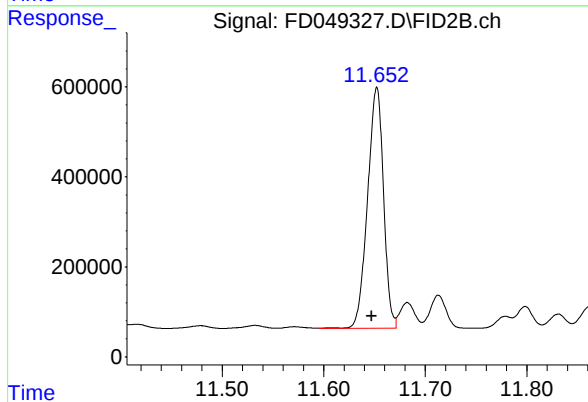
R.T.: 7.742 min
Delta R.T.: 0.003 min
Response: 7294212
Conc: 61.52 ug/ml

Instrument :
FID_D
ClientSampleId :
B-170-SB01



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.608 min
Delta R.T.: 0.004 min
Response: 5025132
Conc: 63.63 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.652 min
Delta R.T.: 0.005 min
Response: 5845951
Conc: 42.36 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
 Data File : FD049327.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 18:31
 Sample : Q1901-03
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.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	4.265	4.252	4.286	PH	1791	18305	0.25%	0.022%
2	4.298	4.286	4.321	PV	654	7458	0.10%	0.009%
3	4.325	4.321	4.342	VV	325	2468	0.03%	0.003%
4	4.349	4.342	4.415	VV	135	4758	0.07%	0.006%
5	4.424	4.415	4.429	VV	191	1264	0.02%	0.002%
6	4.448	4.429	4.465	VV	395	4494	0.06%	0.005%
7	4.489	4.465	4.517	PV	2319	25675	0.35%	0.031%
8	4.534	4.517	4.549	VV	502	6431	0.09%	0.008%
9	4.575	4.549	4.582	VV	396	5131	0.07%	0.006%
10	4.589	4.582	4.595	VV	376	2664	0.04%	0.003%
11	4.602	4.595	4.624	VV	521	5798	0.08%	0.007%
12	4.656	4.624	4.678	VV	2987	41801	0.57%	0.050%
13	4.712	4.678	4.727	VV	2335	27457	0.38%	0.033%
14	4.743	4.727	4.784	VV	4504	45162	0.62%	0.054%
15	4.795	4.784	4.824	VV	1209	12408	0.17%	0.015%
16	4.834	4.824	4.850	VV	665	7178	0.10%	0.009%
17	4.860	4.850	4.883	VV	535	6768	0.09%	0.008%
18	4.889	4.883	4.912	VV	343	2902	0.04%	0.003%
19	4.934	4.912	4.970	PV	481	7650	0.10%	0.009%
20	4.973	4.970	4.991	VV	204	2035	0.03%	0.002%
21	4.999	4.991	5.028	VV	300	4908	0.07%	0.006%
22	5.043	5.028	5.082	VV	610	11240	0.15%	0.014%
23	5.097	5.082	5.105	VV	1818	16175	0.22%	0.019%
24	5.123	5.105	5.156	VV	8480	92084	1.26%	0.111%
25	5.180	5.156	5.228	VV	1779	28725	0.39%	0.035%
26	5.234	5.228	5.240	VV	379	2330	0.03%	0.003%
27	5.259	5.240	5.280	VV	436	7638	0.10%	0.009%
28	5.284	5.280	5.300	VV	300	2767	0.04%	0.003%
29	5.314	5.300	5.330	VV	504	6855	0.09%	0.008%
30	5.346	5.330	5.398	VV	4971	54732	0.75%	0.066%
31	5.411	5.398	5.450	VV	353	6558	0.09%	0.008%
32	5.476	5.460	5.480	VV	430	3213	0.04%	0.004%
33	5.488	5.480	5.503	VV	531	5162	0.07%	0.006%
34	5.525	5.503	5.547	VV	1585	18157	0.25%	0.022%
35	5.566	5.547	5.600	VV	2967	32364	0.44%	0.039%
36	5.625	5.600	5.647	VV	1010	13107	0.18%	0.016%

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37	5.653	5.647	5.671	VV	363	3777	0.05%	0.005%
38	5.686	5.671	5.702	VV	669	7861	0.11%	0.009%
39	5.713	5.702	5.745	VV	536	8366	0.11%	0.010%
40	5.765	5.745	5.790	VV	570	7120	0.10%	0.009%
41	5.815	5.790	5.832	VV	989	13503	0.18%	0.016%
42	5.848	5.832	5.855	VV	742	7037	0.10%	0.008%
43	5.863	5.855	5.883	VV	611	6869	0.09%	0.008%
44	5.901	5.892	5.922	PV	270	3138	0.04%	0.004%
45	5.931	5.922	5.941	VV	199	1856	0.03%	0.002%
46	5.952	5.941	5.967	VV	280	3094	0.04%	0.004%
47	5.986	5.967	6.017	VV	516	10362	0.14%	0.012%
48	6.027	6.017	6.036	VV	388	3379	0.05%	0.004%
49	6.076	6.036	6.102	VV	37196	346550	4.74%	0.416%
50	6.124	6.102	6.144	VV	1527	20159	0.28%	0.024%
51	6.163	6.144	6.195	VV	1846	23966	0.33%	0.029%
52	6.223	6.195	6.265	VV	977	21334	0.29%	0.026%
53	6.296	6.265	6.319	VV	876	17236	0.24%	0.021%
54	6.326	6.319	6.334	VV	307	2244	0.03%	0.003%
55	6.358	6.334	6.379	VV	1150	14953	0.20%	0.018%
56	6.384	6.379	6.404	VV	365	4035	0.06%	0.005%
57	6.437	6.404	6.464	VV	438	9159	0.13%	0.011%
58	6.503	6.477	6.535	VV	2430	29566	0.40%	0.036%
59	6.537	6.535	6.541	VV	402	1030	0.01%	0.001%
60	6.547	6.541	6.568	VV	396	4429	0.06%	0.005%
61	6.588	6.568	6.605	VV	1173	13128	0.18%	0.016%
62	6.624	6.605	6.640	VV	1122	12501	0.17%	0.015%
63	6.653	6.640	6.671	VV	2230	22030	0.30%	0.026%
64	6.691	6.671	6.705	VV	672	8156	0.11%	0.010%
65	6.726	6.705	6.747	VV	1185	12378	0.17%	0.015%
66	6.789	6.756	6.815	PV	562	10993	0.15%	0.013%
67	6.827	6.815	6.834	VV	408	2947	0.04%	0.004%
68	6.838	6.834	6.846	VV	330	2007	0.03%	0.002%
69	6.850	6.846	6.855	VV	344	1144	0.02%	0.001%
70	6.869	6.855	6.887	VV	417	4933	0.07%	0.006%
71	6.905	6.887	6.924	VV	630	8159	0.11%	0.010%
72	6.946	6.924	6.976	VV	1407	18513	0.25%	0.022%
73	6.999	6.976	7.021	VV	1584	26472	0.36%	0.032%
74	7.027	7.021	7.030	VV	1075	5244	0.07%	0.006%
75	7.046	7.030	7.092	VV	1547	36419	0.50%	0.044%
76	7.129	7.092	7.159	VV	21396	217886	2.98%	0.262%
77	7.173	7.159	7.177	VV	476	4262	0.06%	0.005%
78	7.182	7.177	7.194	VV	419	3484	0.05%	0.004%
79	7.217	7.194	7.243	VV	772	15906	0.22%	0.019%
80	7.264	7.243	7.279	VV	16877	164291	2.25%	0.197%
81	7.285	7.279	7.327	VV	4676	49046	0.67%	0.059%
82	7.344	7.327	7.360	VV	736	9466	0.13%	0.011%
83	7.364	7.360	7.378	VV	577	5174	0.07%	0.006%
84	7.393	7.378	7.406	VV	864	9356	0.13%	0.011%
85	7.425	7.406	7.446	VV	1493	20017	0.27%	0.024%
86	7.453	7.446	7.455	VV	371	1701	0.02%	0.002%
87	7.467	7.455	7.477	VV	548	5213	0.07%	0.006%
88	7.491	7.477	7.506	VV	915	13010	0.18%	0.016%
89	7.516	7.506	7.546	VV	1084	13216	0.18%	0.016%

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90	7.553	7.546	7.577	VV	362	5081	0.07%	0.006%
91	7.600	7.577	7.606	VV	431	5906	0.08%	0.007%
92	7.616	7.606	7.620	VV	358	2430	0.03%	0.003%
93	7.633	7.620	7.643	VV	469	5086	0.07%	0.006%
94	7.656	7.643	7.668	VV	763	8406	0.11%	0.010%
95	7.687	7.668	7.707	VV	1656	22761	0.31%	0.027%
96	7.742	7.707	7.799	VV	777879	7310983	100.00%	8.783%
97	7.852	7.799	7.874	VV	6958	91927	1.26%	0.110%
98	7.880	7.874	7.894	VV	426	4629	0.06%	0.006%
99	7.907	7.894	7.912	VV	529	3987	0.05%	0.005%
100	7.919	7.912	7.938	VV	446	4765	0.07%	0.006%
101	7.947	7.938	7.968	VV	744	8274	0.11%	0.010%
102	8.008	7.968	8.041	VV	4846	74965	1.03%	0.090%
103	8.053	8.041	8.065	VV	546	6305	0.09%	0.008%
104	8.105	8.065	8.112	VV	6235	74079	1.01%	0.089%
105	8.119	8.112	8.143	VV	5953	56079	0.77%	0.067%
106	8.150	8.143	8.169	VV	667	6228	0.09%	0.007%
107	8.223	8.169	8.239	VV	15151	175285	2.40%	0.211%
108	8.251	8.239	8.275	VV	9213	96189	1.32%	0.116%
109	8.292	8.275	8.317	VV	2776	34733	0.48%	0.042%
110	8.326	8.317	8.335	VV	648	4852	0.07%	0.006%
111	8.341	8.335	8.347	VV	417	2207	0.03%	0.003%
112	8.385	8.347	8.430	VV	6674	151138	2.07%	0.182%
113	8.440	8.430	8.461	VV	736	10192	0.14%	0.012%
114	8.498	8.461	8.517	VV	4546	53219	0.73%	0.064%
115	8.530	8.517	8.537	VV	955	9968	0.14%	0.012%
116	8.544	8.537	8.573	VV	1072	12241	0.17%	0.015%
117	8.608	8.573	8.635	VV	511273	5038053	68.91%	6.052%
118	8.653	8.635	8.680	VV	5079	72328	0.99%	0.087%
119	8.703	8.680	8.728	VV	56310	553626	7.57%	0.665%
120	8.746	8.728	8.775	VV	5347	67473	0.92%	0.081%
121	8.779	8.775	8.790	VV	987	7547	0.10%	0.009%
122	8.815	8.790	8.832	VV	2570	42643	0.58%	0.051%
123	8.848	8.832	8.878	VV	2527	42716	0.58%	0.051%
124	8.894	8.878	8.907	VV	1032	13096	0.18%	0.016%
125	8.942	8.907	8.955	VV	8094	101103	1.38%	0.121%
126	8.973	8.955	8.992	VV	40129	402358	5.50%	0.483%
127	9.013	8.992	9.035	VV	67265	673120	9.21%	0.809%
128	9.045	9.035	9.053	VV	2814	29515	0.40%	0.035%
129	9.065	9.053	9.081	VV	3577	43597	0.60%	0.052%
130	9.108	9.081	9.122	VV	5922	90677	1.24%	0.109%
131	9.149	9.122	9.188	VV	6588	137630	1.88%	0.165%
132	9.204	9.188	9.222	VV	906	10700	0.15%	0.013%
133	9.224	9.222	9.234	VV	324	1202	0.02%	0.001%
134	9.265	9.234	9.281	PV	5514	63504	0.87%	0.076%
135	9.297	9.281	9.325	VV	5581	62726	0.86%	0.075%
136	9.350	9.325	9.367	VV	1339	22185	0.30%	0.027%
137	9.401	9.367	9.425	VV	6240	96910	1.33%	0.116%
138	9.439	9.425	9.454	VV	1578	18721	0.26%	0.022%
139	9.483	9.454	9.539	VV	61484	640625	8.76%	0.770%
140	9.562	9.539	9.589	VV	6073	97600	1.33%	0.117%
141	9.604	9.589	9.616	VV	6102	64851	0.89%	0.078%

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142	9.635	9.616	9.673	VV	13259	192640	2.63%	0.231%
143	9.695	9.673	9.717	VV	9391	117619	1.61%	0.141%
144	9.729	9.717	9.737	VV	1626	16660	0.23%	0.020%
145	9.760	9.737	9.785	VV	63205	642778	8.79%	0.772%
146	9.805	9.785	9.840	VV	15963	186423	2.55%	0.224%
147	9.856	9.840	9.871	VV	2017	28142	0.38%	0.034%
148	9.903	9.871	9.947	VV	20727	275219	3.76%	0.331%
149	9.966	9.947	9.986	VV	4368	52608	0.72%	0.063%
150	10.001	9.986	10.027	VV	1829	24607	0.34%	0.030%
151	10.041	10.027	10.047	VV	848	7515	0.10%	0.009%
152	10.070	10.047	10.098	VV	1932	38942	0.53%	0.047%
153	10.105	10.098	10.125	VV	368	3995	0.05%	0.005%
154	10.172	10.152	10.179	PV	749	6803	0.09%	0.008%
155	10.180	10.179	10.187	VV	607	2386	0.03%	0.003%
156	10.196	10.187	10.203	VV	681	5120	0.07%	0.006%
157	10.224	10.203	10.247	VV	2370	33074	0.45%	0.040%
158	10.253	10.247	10.259	VV	470	2937	0.04%	0.004%
159	10.281	10.259	10.298	VV	2422	31947	0.44%	0.038%
160	10.301	10.298	10.315	VV	1241	11947	0.16%	0.014%
161	10.333	10.315	10.341	VV	3332	37176	0.51%	0.045%
162	10.362	10.341	10.385	VV	13924	179135	2.45%	0.215%
163	10.402	10.385	10.434	VV	8236	108046	1.48%	0.130%
164	10.479	10.434	10.497	VV	8681	133181	1.82%	0.160%
165	10.502	10.497	10.512	VV	4304	36296	0.50%	0.044%
166	10.529	10.512	10.570	VV	20618	268698	3.68%	0.323%
167	10.576	10.570	10.592	VV	2192	21251	0.29%	0.026%
168	10.615	10.592	10.628	VV	3621	47056	0.64%	0.057%
169	10.650	10.628	10.661	VV	9974	120041	1.64%	0.144%
170	10.685	10.661	10.705	VV	26196	387172	5.30%	0.465%
171	10.714	10.705	10.732	VV	5251	59857	0.82%	0.072%
172	10.757	10.732	10.768	VV	3973	65785	0.90%	0.079%
173	10.782	10.768	10.802	VV	7064	85664	1.17%	0.103%
174	10.821	10.802	10.834	VV	2679	38839	0.53%	0.047%
175	10.850	10.834	10.859	VV	7347	71143	0.97%	0.085%
176	10.887	10.859	10.927	VV	560420	5878518	80.41%	7.062%
177	10.956	10.927	10.995	VV	122557	1265332	17.31%	1.520%
178	11.009	10.995	11.022	VV	1434	18066	0.25%	0.022%
179	11.034	11.022	11.044	VV	1905	20682	0.28%	0.025%
180	11.059	11.044	11.079	VV	2433	39124	0.54%	0.047%
181	11.094	11.079	11.119	VV	1474	22413	0.31%	0.027%
182	11.164	11.119	11.211	VV	33131	390347	5.34%	0.469%
183	11.240	11.211	11.255	PV	2552	43837	0.60%	0.053%
184	11.278	11.255	11.300	VV	3554	68624	0.94%	0.082%
185	11.323	11.300	11.344	VV	3015	51414	0.70%	0.062%
186	11.416	11.344	11.445	VV	9957	270283	3.70%	0.325%
187	11.479	11.445	11.504	VV	6591	100819	1.38%	0.121%
188	11.533	11.504	11.554	VV	7235	104686	1.43%	0.126%
189	11.571	11.554	11.597	VV	4302	61866	0.85%	0.074%
190	11.608	11.597	11.618	VV	1597	18316	0.25%	0.022%
191	11.652	11.618	11.671	VV	537139	5856682	80.11%	7.036%
192	11.682	11.671	11.697	VV	58100	595128	8.14%	0.715%
193	11.713	11.697	11.752	VV	74072	818153	11.19%	0.983%
194	11.779	11.752	11.785	VV	27517	265148	3.63%	0.319%

rteres								
195	11.799	11.785	11.815	VV	49292	547023	7.48%	0.657%
196	11.831	11.815	11.845	VV	32008	364852	4.99%	0.438%
197	11.861	11.845	11.886	VV	48705	560315	7.66%	0.673%
198	11.899	11.886	11.914	VV	3427	33392	0.46%	0.040%
199	11.934	11.914	11.955	VV	4756	54373	0.74%	0.065%
200	11.975	11.955	11.985	VV	2026	26819	0.37%	0.032%
201	11.999	11.985	12.012	VV	3403	40271	0.55%	0.048%
202	12.045	12.012	12.062	VV	9943	163299	2.23%	0.196%
203	12.069	12.062	12.107	VV	3750	71423	0.98%	0.086%
204	12.115	12.107	12.125	VV	1659	15199	0.21%	0.018%
205	12.151	12.125	12.172	VV	33882	379355	5.19%	0.456%
206	12.180	12.172	12.192	VV	3446	36241	0.50%	0.044%
207	12.212	12.192	12.220	VV	4023	53966	0.74%	0.065%
208	12.238	12.220	12.275	VV	42503	519750	7.11%	0.624%
209	12.298	12.275	12.318	VV	8340	128328	1.76%	0.154%
210	12.329	12.318	12.341	VV	2484	30471	0.42%	0.037%
211	12.356	12.341	12.369	VV	2817	38146	0.52%	0.046%
212	12.400	12.369	12.414	VV	8927	146839	2.01%	0.176%
213	12.423	12.414	12.450	VV	6875	94664	1.29%	0.114%
214	12.470	12.450	12.481	VV	15097	173306	2.37%	0.208%
215	12.488	12.481	12.510	VV	11664	140297	1.92%	0.169%
216	12.527	12.510	12.559	VV	15535	252074	3.45%	0.303%
217	12.580	12.559	12.599	VV	31012	401936	5.50%	0.483%
218	12.617	12.599	12.632	VV	14134	228569	3.13%	0.275%
219	12.643	12.632	12.664	VV	14160	194930	2.67%	0.234%
220	12.701	12.664	12.770	VV	472074	5339483	73.03%	6.414%
221	12.792	12.770	12.801	VV	2707	30650	0.42%	0.037%
222	12.852	12.801	12.866	VV	8809	189376	2.59%	0.227%
223	12.883	12.866	12.901	VV	17754	228298	3.12%	0.274%
224	12.910	12.901	12.944	VV	7568	134140	1.83%	0.161%
225	12.956	12.944	12.967	VV	2941	38170	0.52%	0.046%
226	12.997	12.967	13.022	VV	372846	4167559	57.00%	5.007%
227	13.049	13.022	13.060	VV	40760	447545	6.12%	0.538%
228	13.077	13.060	13.109	VV	137746	1647923	22.54%	1.980%
229	13.131	13.109	13.145	VV	4418	66603	0.91%	0.080%
230	13.164	13.145	13.185	VV	15525	186957	2.56%	0.225%
231	13.198	13.185	13.217	VV	3460	37989	0.52%	0.046%
232	13.258	13.217	13.279	VV	20763	266756	3.65%	0.320%
233	13.295	13.279	13.309	VV	7149	97883	1.34%	0.118%
234	13.328	13.309	13.359	VV	11493	158768	2.17%	0.191%
235	13.388	13.359	13.405	PV	13696	162089	2.22%	0.195%
236	13.417	13.405	13.426	VV	5208	59498	0.81%	0.071%
237	13.450	13.426	13.518	VV	25082	630274	8.62%	0.757%
238	13.578	13.518	13.617	VV	57597	959740	13.13%	1.153%
239	13.646	13.617	13.663	VV	6715	101032	1.38%	0.121%
240	13.686	13.663	13.707	VV	26847	361359	4.94%	0.434%
241	13.726	13.707	13.746	VV	29449	347372	4.75%	0.417%
242	13.772	13.746	13.797	VV	11314	216411	2.96%	0.260%
243	13.855	13.797	13.877	VV	27613	594171	8.13%	0.714%
244	13.896	13.877	13.936	VV	23304	319973	4.38%	0.384%
245	13.967	13.936	13.985	VV	5262	91436	1.25%	0.110%
246	14.001	13.985	14.047	VV	3524	97195	1.33%	0.117%

					rteres			
247	14.060	14.047	14.074	VV	2998	41851	0.57%	0.050%
248	14.077	14.074	14.096	VV	2744	31367	0.43%	0.038%
249	14.102	14.096	14.120	VV	2129	20252	0.28%	0.024%
250	14.132	14.120	14.140	VV	740	6885	0.09%	0.008%
251	14.162	14.140	14.200	VV	2679	47580	0.65%	0.057%
252	14.217	14.200	14.232	VV	1661	20145	0.28%	0.024%
253	14.268	14.232	14.290	VV	12203	253015	3.46%	0.304%
254	14.309	14.290	14.344	VV	26622	366611	5.01%	0.440%
255	14.413	14.344	14.448	VV	7669	252189	3.45%	0.303%
256	14.490	14.448	14.511	VV	21531	416470	5.70%	0.500%
257	14.520	14.511	14.531	VV	6624	73947	1.01%	0.089%
258	14.554	14.531	14.576	VV	46290	584515	8.00%	0.702%
259	14.580	14.576	14.590	VV	4685	36288	0.50%	0.044%
260	14.611	14.590	14.648	VV	17059	254976	3.49%	0.306%
261	14.677	14.648	14.694	VV	4852	85660	1.17%	0.103%
262	14.736	14.694	14.789	VV	7845	241518	3.30%	0.290%
263	14.794	14.789	14.800	VV	713	3589	0.05%	0.004%
264	14.816	14.800	14.825	VV	1258	14395	0.20%	0.017%
265	14.865	14.825	14.885	VV	168830	2058864	28.16%	2.473%
266	14.907	14.885	14.935	VV	161094	1866159	25.53%	2.242%
267	14.951	14.935	14.978	VV	5488	86641	1.19%	0.104%
268	14.998	14.978	15.003	VV	3286	34816	0.48%	0.042%
269	15.026	15.003	15.047	VV	27689	356222	4.87%	0.428%
270	15.057	15.047	15.078	VV	5132	77745	1.06%	0.093%
271	15.098	15.078	15.133	VV	11992	172206	2.36%	0.207%
272	15.159	15.133	15.186	VV	13672	227461	3.11%	0.273%
273	15.200	15.186	15.215	VV	9979	139895	1.91%	0.168%
274	15.221	15.215	15.260	VV	6053	85512	1.17%	0.103%
275	15.303	15.260	15.327	VV	17921	267148	3.65%	0.321%
276	15.332	15.327	15.337	VV	4601	28572	0.39%	0.034%
277	15.343	15.337	15.370	VV	4551	58621	0.80%	0.070%
278	15.373	15.370	15.390	VV	1409	11379	0.16%	0.014%
279	15.404	15.390	15.415	VV	1293	16781	0.23%	0.020%
280	15.451	15.415	15.468	VV	4667	99787	1.36%	0.120%
281	15.490	15.468	15.510	VV	9353	149615	2.05%	0.180%
282	15.533	15.510	15.554	VV	35058	450498	6.16%	0.541%
283	15.570	15.554	15.590	VV	17634	222925	3.05%	0.268%
284	15.614	15.590	15.630	VV	7571	132499	1.81%	0.159%
285	15.676	15.630	15.682	VV	14004	245319	3.36%	0.295%
286	15.695	15.682	15.729	VV	17560	301456	4.12%	0.362%
287	15.772	15.729	15.795	VV	9070	175029	2.39%	0.210%
288	15.811	15.795	15.834	VV	2670	46417	0.63%	0.056%
289	15.855	15.834	15.878	VV	6822	89280	1.22%	0.107%
290	15.893	15.878	15.909	VV	1150	17880	0.24%	0.021%
291	15.936	15.909	15.985	VV	4405	119985	1.64%	0.144%
292	16.002	15.985	16.017	VV	966	14532	0.20%	0.017%
293	16.029	16.017	16.046	VV	1200	17510	0.24%	0.021%
294	16.058	16.046	16.075	VV	1249	13996	0.19%	0.017%
295	16.088	16.075	16.104	VV	1203	14741	0.20%	0.018%
296	16.138	16.104	16.156	VV	8265	137071	1.87%	0.165%
297	16.168	16.156	16.185	VV	3757	44674	0.61%	0.054%
298	16.240	16.185	16.264	VV	5136	138781	1.90%	0.167%
299	16.277	16.264	16.287	VV	2980	36368	0.50%	0.044%

					rteres			
300	16.307	16.287	16.313	VV	3768	50991	0.70%	0.061%
301	16.340	16.313	16.366	VV	10443	171856	2.35%	0.206%
302	16.417	16.366	16.435	VV	134865	1933186	26.44%	2.322%
303	16.444	16.435	16.483	VV	62369	672286	9.20%	0.808%
304	16.497	16.483	16.520	VV	2621	43887	0.60%	0.053%
305	16.544	16.520	16.567	VV	26270	331360	4.53%	0.398%
306	16.582	16.567	16.640	VV	5992	105590	1.44%	0.127%
307	16.666	16.640	16.679	VV	4439	57907	0.79%	0.070%
308	16.701	16.679	16.706	VV	7027	83634	1.14%	0.100%
309	16.737	16.706	16.763	VV	80540	1087823	14.88%	1.307%
310	16.794	16.763	16.841	VV	118692	1499434	20.51%	1.801%
311	16.863	16.841	16.870	VV	2888	34851	0.48%	0.042%
312	16.893	16.870	16.922	VV	33285	415559	5.68%	0.499%
313	16.942	16.922	16.984	VV	6361	130865	1.79%	0.157%
314	17.034	16.984	17.075	VV	9181	287198	3.93%	0.345%
315	17.095	17.075	17.115	VV	4316	63340	0.87%	0.076%
316	17.159	17.115	17.188	VV	14564	337880	4.62%	0.406%
317	17.195	17.188	17.224	VV	5824	68719	0.94%	0.083%
318	17.254	17.224	17.267	PV	4664	62058	0.85%	0.075%
319	17.289	17.267	17.304	VV	8849	138539	1.89%	0.166%
320	17.317	17.304	17.352	VV	7643	134646	1.84%	0.162%
321	17.375	17.352	17.394	VV	7869	123343	1.69%	0.148%
322	17.401	17.394	17.424	VV	4901	64991	0.89%	0.078%
323	17.447	17.424	17.472	VV	9369	157458	2.15%	0.189%
324	17.488	17.472	17.510	VV	4532	71210	0.97%	0.086%
325	17.516	17.510	17.528	VV	2095	18715	0.26%	0.022%
326	17.563	17.528	17.590	VV	3894	94250	1.29%	0.113%
327	17.597	17.590	17.615	VV	1136	14868	0.20%	0.018%
328	17.631	17.615	17.650	VV	1818	27775	0.38%	0.033%
329	17.663	17.650	17.676	VV	926	9881	0.14%	0.012%
330	17.707	17.676	17.724	VV	3191	55011	0.75%	0.066%
331	17.757	17.724	17.768	VV	5283	112368	1.54%	0.135%
332	17.780	17.768	17.809	VV	5297	87317	1.19%	0.105%
333	17.840	17.809	17.854	VV	4385	78678	1.08%	0.095%
334	17.882	17.854	17.904	VV	7163	138019	1.89%	0.166%
335	17.921	17.904	17.931	VV	5332	69338	0.95%	0.083%
336	17.945	17.931	17.975	VV	6225	105762	1.45%	0.127%
337	17.996	17.975	18.033	VV	3691	72120	0.99%	0.087%
338	18.065	18.033	18.108	VV	19836	356726	4.88%	0.429%
339	18.156	18.108	18.180	VV	72753	1112660	15.22%	1.337%
340	18.197	18.180	18.225	VV	17808	309999	4.24%	0.372%
341	18.239	18.225	18.262	VV	7662	112706	1.54%	0.135%
342	18.288	18.262	18.303	VV	19378	254627	3.48%	0.306%
343	18.318	18.303	18.378	VV	16543	265800	3.64%	0.319%
344	18.409	18.378	18.435	PV	68048	839033	11.48%	1.008%
345	18.443	18.435	18.463	VV	2139	31709	0.43%	0.038%
346	18.491	18.463	18.508	VV	6135	101350	1.39%	0.122%
347	18.538	18.508	18.570	VV	22491	310175	4.24%	0.373%
348	18.606	18.570	18.627	PV	2976	56602	0.77%	0.068%
349	18.635	18.627	18.652	VV	2189	25669	0.35%	0.031%
350	18.660	18.652	18.682	VV	1250	13797	0.19%	0.017%
351	18.715	18.682	18.739	PV	4132	71978	0.98%	0.086%

						rters		
352	18.753	18.739	18.764	VV	1465	17338	0.24%	0.021%
353	18.772	18.764	18.779	VV	1308	10924	0.15%	0.013%
354	18.839	18.779	18.857	VV	5289	113101	1.55%	0.136%
355	18.877	18.857	18.897	VV	2273	34871	0.48%	0.042%
356	18.918	18.897	18.935	PV	4154	50920	0.70%	0.061%
357	18.951	18.935	18.967	VV	3405	43421	0.59%	0.052%
358	18.974	18.967	18.995	VV	1654	15810	0.22%	0.019%
					Sum of corrected areas:		83242516	

Aromatic EPH 050125.M Fri May 09 09:49:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
Data File : FC068802.D
Signal(s) : FID1A.ch
Acq On : 08 May 2025 19:47
Operator : YP/AJ
Sample : Q1901-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-167-SB02

Integration File: autoint1.e
Quant Time: May 09 09:09:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 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	5032167	62.725 ug/ml
Spiked Amount	50.000	Recovery	= 125.45%

Target Compounds

(f)=RT Delta > 1/2 Window

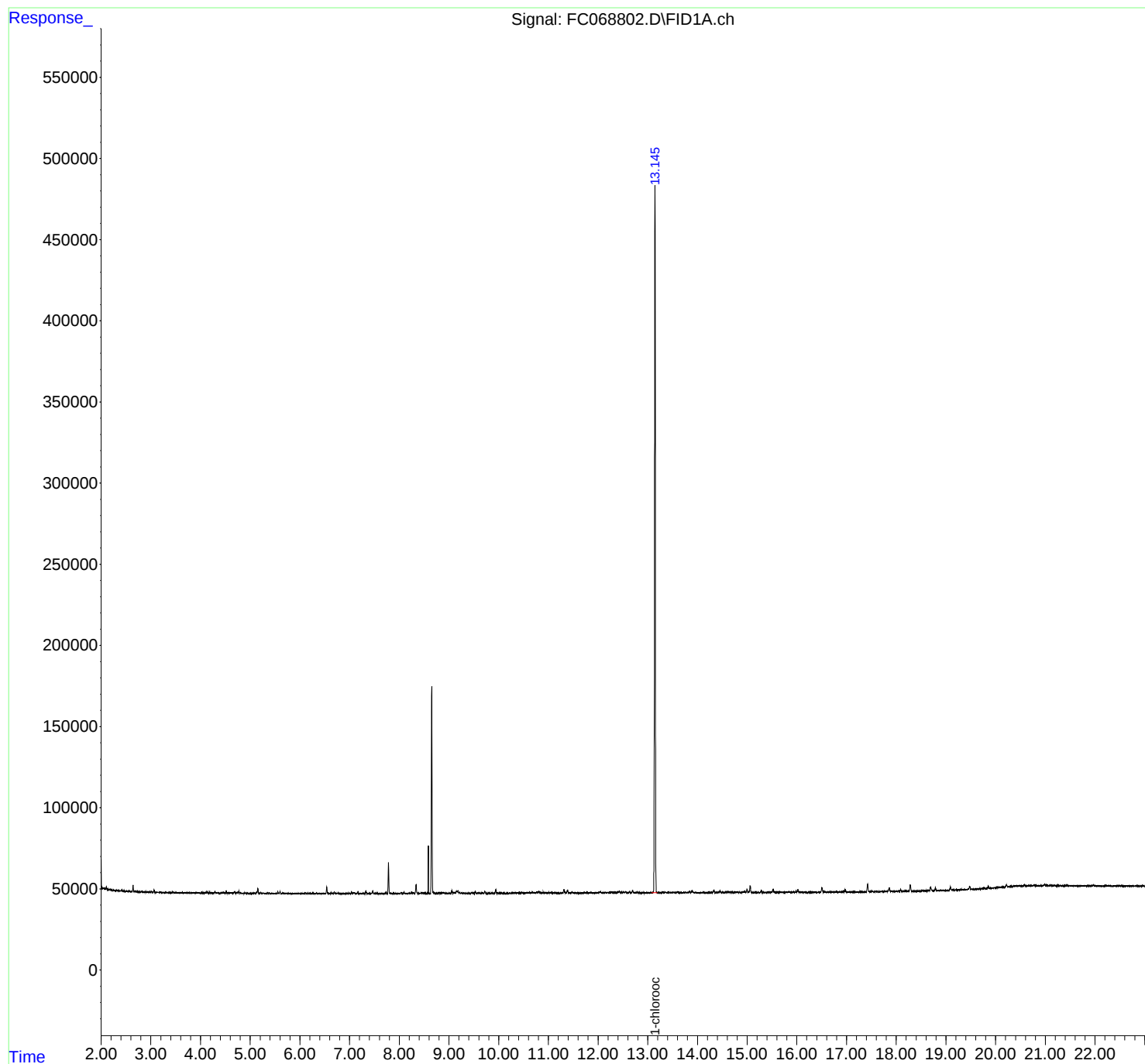
(m)=manual int.

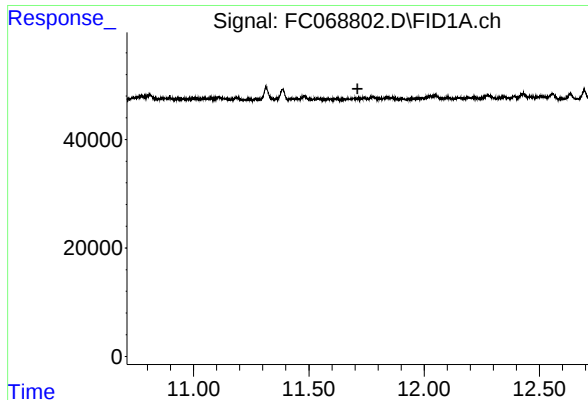
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
Data File : FC068802.D
Signal(s) : FID1A.ch
Acq On : 08 May 2025 19:47
Operator : YP/AJ
Sample : Q1901-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-167-SB02

Integration File: autoint1.e
Quant Time: May 09 09:09:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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

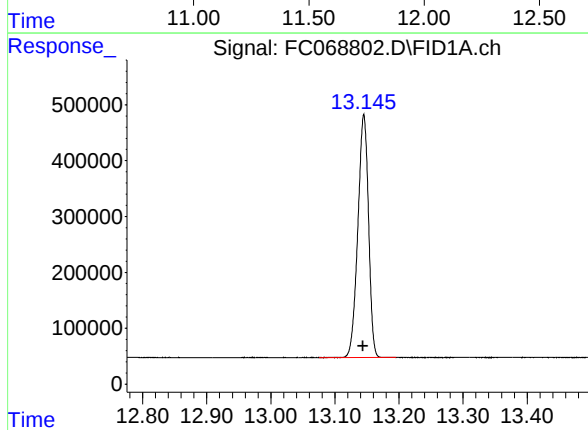




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.711 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-167-SB02



#12 1-chlorooctadecane (SURR)

R.T.: 13.145 min
Delta R.T.: 0.001 min
Response: 5032167
Conc: 62.72 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
 Data File : FC068802.D
 Signal(s) : FID1A.ch
 Acq On : 08 May 2025 19:47
 Sample : Q1901-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.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	6.542	6.498	6.579	BB	4077	41529	0.83%	0.613%
2	7.784	7.755	7.810	BB	19202	176765	3.51%	2.610%
3	8.339	8.292	8.382	BB	5414	56052	1.11%	0.828%
4	8.653	8.539	8.715	BB	127243	1299471	25.82%	19.186%
5	13.145	13.075	13.195	BB	435483	5032167	100.00%	74.296%
6	15.059	15.032	15.100	BB	4144	53201	1.06%	0.785%
7	17.422	17.365	17.467	BB	4742	61763	1.23%	0.912%
8	18.282	18.225	18.310	BB	3892	52195	1.04%	0.771%
Sum of corrected areas:						6773143		

Aliphatic EPH 050625.M Fri May 09 09:33:25 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
 Data File : FD049328.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 19:09
 Operator : YP/AJ
 Sample : Q1901-04
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-167-SB02

Integration File: autoint1.e
 Quant Time: May 09 09:20:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 01 13:29:48 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...	7.742	6364997	53.681 ug/ml
Spiked Amount 50.000		Recovery =	107.36%
6) S 2-Fluorobiphenyl (SURR)	8.605	2914629	36.907 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	73.81%
11) S ortho-Terphenyl (SURR)	11.651	5613078	40.668 ug/ml
Spiked Amount 50.000		Recovery =	81.34%

Target Compounds

(f)=RT Delta > 1/2 Window

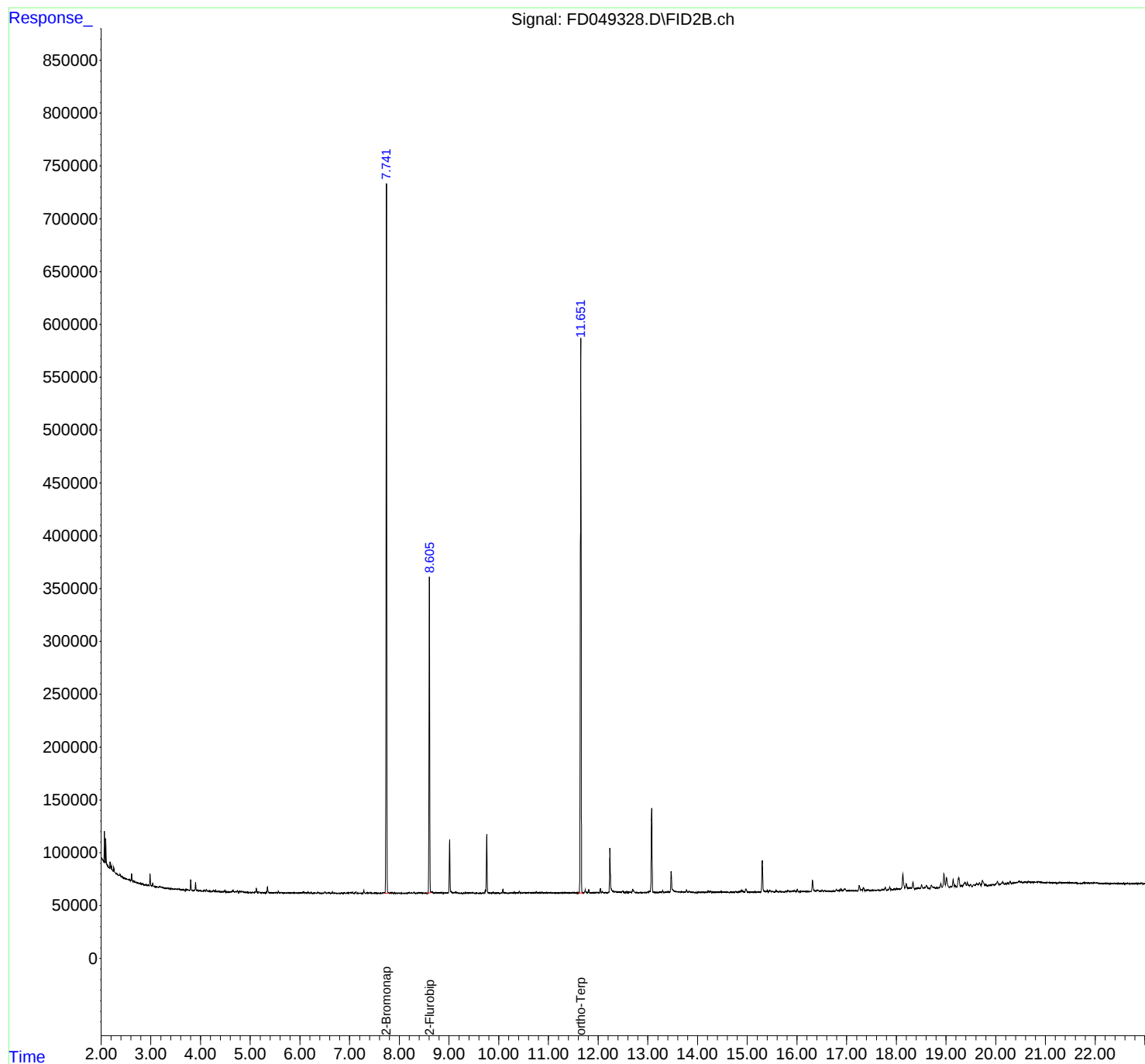
(m)=manual int.

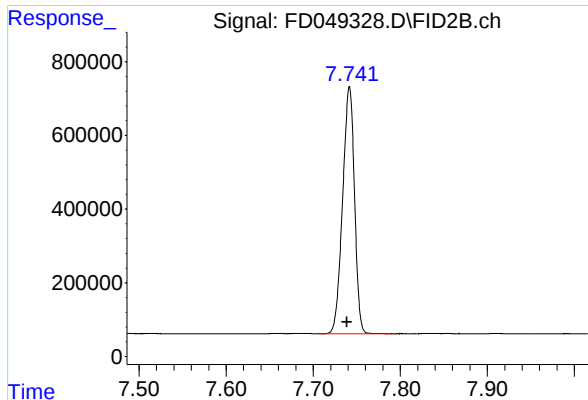
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
Data File : FD049328.D
Signal(s) : FID2B.ch
Acq On : 08 May 2025 19:09
Operator : YP/AJ
Sample : Q1901-04
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-167-SB02

Integration File: autoint1.e
Quant Time: May 09 09:20:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
Quant Title : GC Extractables
QLast Update : Thu May 01 13:29:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

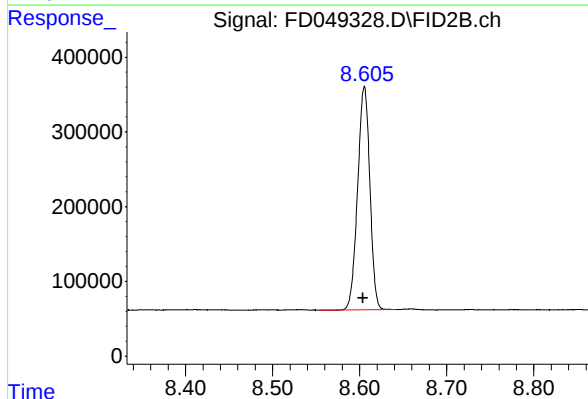




#4 2-Bromonaphthalene (SURR)

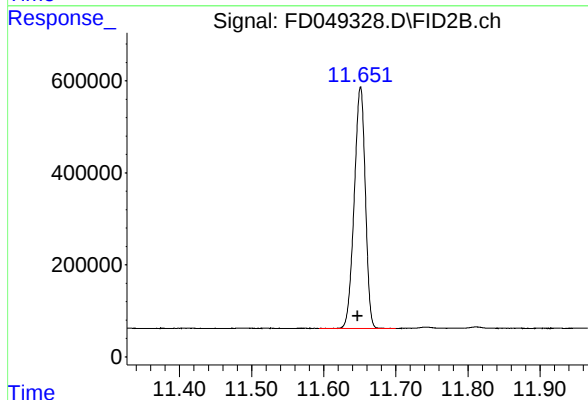
R.T.: 7.742 min
Delta R.T.: 0.003 min
Response: 6364997
Conc: 53.68 ug/ml

Instrument :
FID_D
ClientSampleId :
B-167-SB02



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.605 min
Delta R.T.: 0.002 min
Response: 2914629
Conc: 36.91 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.651 min
Delta R.T.: 0.004 min
Response: 5613078
Conc: 40.67 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
 Data File : FD049328.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 19:09
 Sample : Q1901-04
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.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	4.266	4.252	4.284	BV	649	5313	0.08%	0.022%
2	4.298	4.284	4.335	PV	911	7951	0.12%	0.034%
3	4.342	4.335	4.378	PV	249	4685	0.07%	0.020%
4	4.385	4.378	4.397	VV	398	2556	0.04%	0.011%
5	4.400	4.397	4.414	VV	193	1090	0.02%	0.005%
6	4.447	4.414	4.467	PV	491	7646	0.12%	0.032%
7	4.489	4.467	4.517	VV	1630	20006	0.31%	0.084%
8	4.528	4.517	4.549	VV	426	4097	0.06%	0.017%
9	4.564	4.549	4.587	VV	333	4862	0.08%	0.021%
10	4.604	4.587	4.623	VV	442	6892	0.11%	0.029%
11	4.638	4.623	4.645	VV	1583	13141	0.21%	0.055%
12	4.656	4.645	4.684	VV	1883	23368	0.37%	0.099%
13	4.689	4.684	4.698	VV	326	2036	0.03%	0.009%
14	4.714	4.698	4.728	VV	1188	12424	0.19%	0.052%
15	4.743	4.728	4.765	VV	1953	20007	0.31%	0.084%
16	4.774	4.765	4.782	VV	370	3108	0.05%	0.013%
17	4.796	4.782	4.814	VV	1359	14464	0.23%	0.061%
18	4.829	4.814	4.852	VV	1462	19220	0.30%	0.081%
19	4.859	4.852	4.874	VV	689	7010	0.11%	0.030%
20	4.879	4.874	4.912	VV	512	7521	0.12%	0.032%
21	4.931	4.912	4.963	VV	722	10926	0.17%	0.046%
22	4.995	4.978	5.014	VV	265	3363	0.05%	0.014%
23	5.021	5.014	5.027	VV	223	1272	0.02%	0.005%
24	5.040	5.027	5.062	VV	585	7078	0.11%	0.030%
25	5.097	5.062	5.107	VV	1044	14018	0.22%	0.059%
26	5.123	5.107	5.158	VV	4251	48775	0.76%	0.206%
27	5.181	5.158	5.209	VV	961	16567	0.26%	0.070%
28	5.213	5.209	5.227	VV	252	1947	0.03%	0.008%
29	5.242	5.227	5.249	VV	526	5083	0.08%	0.021%
30	5.253	5.249	5.274	VV	499	3439	0.05%	0.015%
31	5.281	5.274	5.297	VV	261	1732	0.03%	0.007%
32	5.308	5.297	5.313	PV	303	2299	0.04%	0.010%
33	5.321	5.313	5.327	VV	419	2670	0.04%	0.011%
34	5.346	5.327	5.413	VV	5796	68045	1.07%	0.287%
35	5.416	5.413	5.430	VV	320	2054	0.03%	0.009%
36	5.437	5.430	5.455	VV	336	2461	0.04%	0.010%

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37	5.465	5.455	5.474	VV	244	2113	0.03%	0.009%
38	5.486	5.474	5.508	VV	531	7232	0.11%	0.031%
39	5.523	5.508	5.542	VV	733	8389	0.13%	0.035%
40	5.567	5.542	5.586	VV	1638	18085	0.28%	0.076%
41	5.592	5.586	5.600	VV	368	2549	0.04%	0.011%
42	5.605	5.600	5.608	VV	385	1589	0.02%	0.007%
43	5.623	5.608	5.645	VV	647	8055	0.13%	0.034%
44	5.650	5.645	5.655	VV	299	1331	0.02%	0.006%
45	5.661	5.655	5.703	VV	310	5927	0.09%	0.025%
46	5.712	5.703	5.731	VV	244	2689	0.04%	0.011%
47	5.738	5.731	5.749	VV	246	1267	0.02%	0.005%
48	5.766	5.749	5.793	VV	487	7034	0.11%	0.030%
49	5.816	5.793	5.836	VV	366	6597	0.10%	0.028%
50	5.874	5.836	5.922	VV	393	11978	0.19%	0.051%
51	5.987	5.922	6.000	VV	554	15166	0.24%	0.064%
52	6.007	6.000	6.022	VV	549	5503	0.09%	0.023%
53	6.024	6.022	6.042	VV	496	4573	0.07%	0.019%
54	6.053	6.042	6.059	VV	688	5302	0.08%	0.022%
55	6.079	6.059	6.107	VV	1481	22509	0.35%	0.095%
56	6.121	6.107	6.144	VV	743	9936	0.16%	0.042%
57	6.165	6.144	6.207	VV	1071	16840	0.26%	0.071%
58	6.223	6.207	6.260	VV	1049	15188	0.24%	0.064%
59	6.294	6.260	6.310	VV	575	9859	0.15%	0.042%
60	6.315	6.310	6.322	VV	405	2166	0.03%	0.009%
61	6.326	6.322	6.338	VV	333	1663	0.03%	0.007%
62	6.355	6.338	6.403	VV	1172	20900	0.33%	0.088%
63	6.409	6.403	6.426	VV	341	3038	0.05%	0.013%
64	6.448	6.426	6.478	VV	361	7924	0.12%	0.033%
65	6.503	6.478	6.534	VV	1738	24744	0.39%	0.104%
66	6.544	6.534	6.555	VV	522	5004	0.08%	0.021%
67	6.570	6.555	6.576	VV	481	5089	0.08%	0.021%
68	6.589	6.576	6.611	VV	737	9481	0.15%	0.040%
69	6.624	6.611	6.636	VV	689	6673	0.10%	0.028%
70	6.654	6.636	6.676	VV	1349	16276	0.25%	0.069%
71	6.686	6.676	6.712	VV	706	8151	0.13%	0.034%
72	6.725	6.712	6.754	VV	782	9956	0.16%	0.042%
73	6.772	6.754	6.783	PV	482	4120	0.06%	0.017%
74	6.787	6.783	6.800	VV	352	1857	0.03%	0.008%
75	6.832	6.800	6.864	VV	534	11740	0.18%	0.050%
76	6.900	6.864	6.924	VV	1193	19115	0.30%	0.081%
77	6.947	6.924	6.981	VV	986	19715	0.31%	0.083%
78	7.000	6.981	7.033	VV	1199	24936	0.39%	0.105%
79	7.047	7.033	7.075	VV	1070	19215	0.30%	0.081%
80	7.080	7.075	7.094	VV	380	3505	0.05%	0.015%
81	7.126	7.094	7.153	VV	1359	23973	0.38%	0.101%
82	7.163	7.153	7.172	VV	511	3752	0.06%	0.016%
83	7.187	7.172	7.200	VV	412	5846	0.09%	0.025%
84	7.207	7.200	7.220	VV	504	4814	0.08%	0.020%
85	7.235	7.220	7.256	VV	483	6151	0.10%	0.026%
86	7.287	7.256	7.322	VV	2375	32856	0.51%	0.139%
87	7.344	7.322	7.352	VV	786	9409	0.15%	0.040%
88	7.365	7.352	7.386	VV	667	10670	0.17%	0.045%
89	7.395	7.386	7.407	VV	638	5774	0.09%	0.024%

					rt	Area	Height	%Area	%Height
90	7.429	7.407	7.453	VV	968	15673	0.25%	0.066%	
91	7.462	7.453	7.478	VV	574	5890	0.09%	0.025%	
92	7.493	7.478	7.503	VV	606	7674	0.12%	0.032%	
93	7.515	7.503	7.537	VV	769	10233	0.16%	0.043%	
94	7.542	7.537	7.578	VV	368	6865	0.11%	0.029%	
95	7.582	7.578	7.587	VV	350	1478	0.02%	0.006%	
96	7.598	7.587	7.622	VV	373	5302	0.08%	0.022%	
97	7.631	7.622	7.644	VV	396	4022	0.06%	0.017%	
98	7.657	7.644	7.669	VV	761	8735	0.14%	0.037%	
99	7.688	7.669	7.704	VV	1161	15907	0.25%	0.067%	
100	7.742	7.704	7.795	VV	672534	6385216	100.00%	26.957%	
101	7.801	7.795	7.818	VV	491	6061	0.09%	0.026%	
102	7.835	7.818	7.847	VV	1101	13061	0.20%	0.055%	
103	7.853	7.847	7.874	VV	661	7786	0.12%	0.033%	
104	7.878	7.874	7.893	VV	364	2866	0.04%	0.012%	
105	7.910	7.893	7.925	VV	818	9406	0.15%	0.040%	
106	7.943	7.925	7.961	VV	405	6549	0.10%	0.028%	
107	7.966	7.961	7.978	VV	315	2327	0.04%	0.010%	
108	7.992	7.978	8.006	VV	522	6053	0.09%	0.026%	
109	8.016	8.006	8.032	VV	287	2560	0.04%	0.011%	
110	8.040	8.032	8.057	VV	497	3737	0.06%	0.016%	
111	8.086	8.057	8.108	VV	421	7365	0.12%	0.031%	
112	8.122	8.108	8.135	VV	363	3191	0.05%	0.013%	
113	8.140	8.135	8.157	VV	365	2730	0.04%	0.012%	
114	8.173	8.157	8.179	VV	649	5897	0.09%	0.025%	
115	8.194	8.179	8.224	VV	1085	16931	0.27%	0.071%	
116	8.241	8.224	8.268	VV	607	12511	0.20%	0.053%	
117	8.294	8.268	8.318	VV	1549	22630	0.35%	0.096%	
118	8.324	8.318	8.343	VV	455	5087	0.08%	0.021%	
119	8.357	8.343	8.373	VV	584	8561	0.13%	0.036%	
120	8.389	8.373	8.395	VV	648	6467	0.10%	0.027%	
121	8.411	8.395	8.426	VV	812	12318	0.19%	0.052%	
122	8.436	8.426	8.464	VV	600	8436	0.13%	0.036%	
123	8.486	8.464	8.495	VV	509	6286	0.10%	0.027%	
124	8.500	8.495	8.510	VV	575	3618	0.06%	0.015%	
125	8.532	8.510	8.562	VV	770	12832	0.20%	0.054%	
126	8.605	8.562	8.642	VV	298555	2946009	46.14%	12.437%	
127	8.659	8.642	8.689	VV	1672	28835	0.45%	0.122%	
128	8.702	8.689	8.710	VV	659	6564	0.10%	0.028%	
129	8.729	8.710	8.750	VV	933	15792	0.25%	0.067%	
130	8.775	8.750	8.786	VV	829	14220	0.22%	0.060%	
131	8.793	8.786	8.798	VV	665	4250	0.07%	0.018%	
132	8.805	8.798	8.818	VV	724	7928	0.12%	0.033%	
133	8.853	8.818	8.870	VV	889	19749	0.31%	0.083%	
134	8.880	8.870	8.890	VV	344	4219	0.07%	0.018%	
135	8.896	8.890	8.907	VV	642	5476	0.09%	0.023%	
136	8.914	8.907	8.922	VV	541	4074	0.06%	0.017%	
137	8.925	8.922	8.931	VV	540	2456	0.04%	0.010%	
138	8.949	8.931	8.962	VV	528	7627	0.12%	0.032%	
139	8.980	8.962	8.985	VV	553	6002	0.09%	0.025%	
140	9.013	8.985	9.037	VV	51224	515583	8.07%	2.177%	
141	9.042	9.037	9.086	VV	1743	30262	0.47%	0.128%	

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142	9.100	9.086	9.113	VV	1095	14721	0.23%	0.062%
143	9.132	9.113	9.154	VV	1763	28687	0.45%	0.121%
144	9.167	9.154	9.190	VV	941	12743	0.20%	0.054%
145	9.204	9.190	9.218	VV	489	5885	0.09%	0.025%
146	9.225	9.218	9.232	VV	397	2092	0.03%	0.009%
147	9.247	9.232	9.279	VV	444	8638	0.14%	0.036%
148	9.304	9.279	9.317	VV	716	10683	0.17%	0.045%
149	9.336	9.317	9.375	VV	881	18298	0.29%	0.077%
150	9.397	9.375	9.409	VV	675	9301	0.15%	0.039%
151	9.414	9.409	9.433	VV	574	5750	0.09%	0.024%
152	9.478	9.433	9.515	VV	1092	23688	0.37%	0.100%
153	9.531	9.515	9.540	PV	348	2836	0.04%	0.012%
154	9.559	9.540	9.581	VV	464	8398	0.13%	0.035%
155	9.588	9.581	9.598	VV	323	2103	0.03%	0.009%
156	9.616	9.598	9.635	VV	591	7642	0.12%	0.032%
157	9.642	9.635	9.653	VV	287	2065	0.03%	0.009%
158	9.671	9.653	9.690	VV	483	7942	0.12%	0.034%
159	9.730	9.690	9.739	VV	3208	38651	0.61%	0.163%
160	9.760	9.739	9.794	VV	56020	565865	8.86%	2.389%
161	9.807	9.794	9.815	VV	436	4635	0.07%	0.020%
162	9.829	9.815	9.854	VV	712	8616	0.13%	0.036%
163	9.889	9.854	9.928	VV	1064	17291	0.27%	0.073%
164	9.962	9.928	9.967	VV	489	6948	0.11%	0.029%
165	9.970	9.967	9.998	VV	412	5169	0.08%	0.022%
166	10.003	9.998	10.018	VV	248	1996	0.03%	0.008%
167	10.045	10.018	10.058	VV	295	4818	0.08%	0.020%
168	10.084	10.058	10.113	VV	3856	44844	0.70%	0.189%
169	10.124	10.113	10.128	VV	365	2550	0.04%	0.011%
170	10.132	10.128	10.180	VV	423	6847	0.11%	0.029%
171	10.192	10.180	10.203	VV	239	2568	0.04%	0.011%
172	10.216	10.203	10.220	VV	430	3547	0.06%	0.015%
173	10.235	10.220	10.250	VV	562	7965	0.12%	0.034%
174	10.254	10.250	10.269	VV	346	3344	0.05%	0.014%
175	10.281	10.269	10.298	VV	583	6685	0.10%	0.028%
176	10.318	10.298	10.341	VV	795	13467	0.21%	0.057%
177	10.352	10.341	10.362	VV	555	5646	0.09%	0.024%
178	10.366	10.362	10.388	VV	553	6652	0.10%	0.028%
179	10.413	10.388	10.435	VV	1826	24248	0.38%	0.102%
180	10.440	10.435	10.464	VV	619	6060	0.09%	0.026%
181	10.478	10.464	10.485	VV	513	3897	0.06%	0.016%
182	10.510	10.485	10.548	VV	712	15909	0.25%	0.067%
183	10.552	10.548	10.563	VV	547	3892	0.06%	0.016%
184	10.571	10.563	10.577	VV	559	3898	0.06%	0.016%
185	10.582	10.577	10.592	VV	562	4198	0.07%	0.018%
186	10.623	10.592	10.645	VV	788	17466	0.27%	0.074%
187	10.649	10.645	10.667	VV	504	4919	0.08%	0.021%
188	10.681	10.667	10.700	VV	580	8406	0.13%	0.035%
189	10.724	10.700	10.734	VV	718	10705	0.17%	0.045%
190	10.739	10.734	10.743	VV	604	3004	0.05%	0.013%
191	10.758	10.743	10.784	VV	989	15352	0.24%	0.065%
192	10.790	10.784	10.797	VV	293	1719	0.03%	0.007%
193	10.815	10.797	10.826	VV	760	8045	0.13%	0.034%
194	10.829	10.826	10.836	VV	499	2783	0.04%	0.012%

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195	10.849	10.836	10.863	VV	818	9423	0.15%	0.040%
196	10.879	10.863	10.917	VV	990	16377	0.26%	0.069%
197	10.953	10.917	10.975	VV	776	12994	0.20%	0.055%
198	10.980	10.975	10.988	VV	343	2065	0.03%	0.009%
199	11.002	10.988	11.012	VV	450	5311	0.08%	0.022%
200	11.027	11.012	11.037	VV	450	5691	0.09%	0.024%
201	11.054	11.037	11.096	VV	608	10964	0.17%	0.046%
202	11.132	11.096	11.150	VV	353	5351	0.08%	0.023%
203	11.174	11.150	11.181	VV	296	2977	0.05%	0.013%
204	11.191	11.181	11.196	VV	228	1482	0.02%	0.006%
205	11.202	11.196	11.206	VV	210	1155	0.02%	0.005%
206	11.214	11.206	11.224	VV	260	1513	0.02%	0.006%
207	11.258	11.224	11.284	PV	531	8771	0.14%	0.037%
208	11.306	11.284	11.314	VV	428	6067	0.10%	0.026%
209	11.327	11.314	11.365	VV	754	9611	0.15%	0.041%
210	11.376	11.365	11.384	VV	349	2887	0.05%	0.012%
211	11.413	11.384	11.432	VV	527	9486	0.15%	0.040%
212	11.437	11.432	11.447	VV	291	1560	0.02%	0.007%
213	11.450	11.447	11.463	VV	285	1685	0.03%	0.007%
214	11.488	11.463	11.507	VV	765	10465	0.16%	0.044%
215	11.521	11.507	11.552	VV	516	7044	0.11%	0.030%
216	11.581	11.552	11.615	VV	447	8386	0.13%	0.035%
217	11.651	11.615	11.687	VV	526695	5616852	87.97%	23.713%
218	11.692	11.687	11.700	VV	262	1114	0.02%	0.005%
219	11.742	11.700	11.770	VV	2929	41806	0.65%	0.176%
220	11.811	11.770	11.841	VV	3312	46968	0.74%	0.198%
221	11.850	11.841	11.865	VV	424	4703	0.07%	0.020%
222	11.869	11.865	11.888	VV	431	3650	0.06%	0.015%
223	11.902	11.888	11.913	VV	466	4500	0.07%	0.019%
224	11.927	11.913	11.935	VV	457	3857	0.06%	0.016%
225	11.959	11.935	11.965	VV	581	6637	0.10%	0.028%
226	11.985	11.965	12.010	VV	808	14382	0.23%	0.061%
227	12.016	12.010	12.022	VV	423	2318	0.04%	0.010%
228	12.045	12.022	12.067	VV	4191	50878	0.80%	0.215%
229	12.086	12.067	12.117	VV	1454	19957	0.31%	0.084%
230	12.146	12.117	12.170	VV	428	7961	0.12%	0.034%
231	12.237	12.170	12.340	VV	42490	578233	9.06%	2.441%
232	12.356	12.340	12.397	VV	1505	37712	0.59%	0.159%
233	12.404	12.397	12.415	VV	868	8821	0.14%	0.037%
234	12.420	12.415	12.429	VV	864	6438	0.10%	0.027%
235	12.431	12.429	12.458	VV	836	12042	0.19%	0.051%
236	12.495	12.458	12.515	VV	2054	39329	0.62%	0.166%
237	12.520	12.515	12.545	VV	665	7865	0.12%	0.033%
238	12.549	12.545	12.552	VV	558	1886	0.03%	0.008%
239	12.570	12.552	12.605	VV	1170	23414	0.37%	0.099%
240	12.630	12.605	12.670	VV	1229	25289	0.40%	0.107%
241	12.696	12.670	12.745	VV	3504	69451	1.09%	0.293%
242	12.760	12.745	12.765	VV	523	5215	0.08%	0.022%
243	12.769	12.765	12.810	VV	479	7331	0.11%	0.031%
244	12.815	12.810	12.824	VV	250	1609	0.03%	0.007%
245	12.837	12.824	12.844	VV	317	2493	0.04%	0.011%
246	12.849	12.844	12.873	VV	218	3760	0.06%	0.016%

					rteres			
247	12.901	12.873	12.905	VV	511	6772	0.11%	0.029%
248	12.917	12.905	12.938	VV	515	7656	0.12%	0.032%
249	12.949	12.938	12.971	VV	299	4154	0.07%	0.018%
250	12.993	12.971	13.010	VV	724	9208	0.14%	0.039%
251	13.032	13.010	13.047	VV	1717	24254	0.38%	0.102%
252	13.076	13.047	13.105	VV	79931	924852	14.48%	3.904%
253	13.112	13.105	13.118	VV	588	4050	0.06%	0.017%
254	13.120	13.118	13.147	VV	613	7474	0.12%	0.032%
255	13.152	13.147	13.185	VV	353	5737	0.09%	0.024%
256	13.199	13.185	13.213	VV	440	5294	0.08%	0.022%
257	13.246	13.213	13.275	VV	642	16371	0.26%	0.069%
258	13.296	13.275	13.334	VV	2174	32096	0.50%	0.136%
259	13.376	13.334	13.441	VV	788	38227	0.60%	0.161%
260	13.467	13.441	13.568	VV	20380	331573	5.19%	1.400%
261	13.573	13.568	13.603	VV	1033	18920	0.30%	0.080%
262	13.611	13.603	13.621	VV	740	7318	0.11%	0.031%
263	13.649	13.621	13.667	VV	908	20990	0.33%	0.089%
264	13.672	13.667	13.680	VV	828	5794	0.09%	0.024%
265	13.694	13.680	13.723	VV	1038	18827	0.29%	0.079%
266	13.734	13.723	13.742	VV	628	6070	0.10%	0.026%
267	13.778	13.742	13.810	VV	2874	47572	0.75%	0.201%
268	13.827	13.810	13.874	VV	1015	27740	0.43%	0.117%
269	13.890	13.874	13.907	VV	507	7428	0.12%	0.031%
270	13.921	13.907	13.957	VV	387	6922	0.11%	0.029%
271	13.994	13.957	14.015	PV	313	6972	0.11%	0.029%
272	14.019	14.015	14.028	VV	432	2200	0.03%	0.009%
273	14.036	14.028	14.045	VV	372	2791	0.04%	0.012%
274	14.061	14.045	14.083	VV	480	8161	0.13%	0.034%
275	14.091	14.083	14.128	VV	444	7164	0.11%	0.030%
276	14.143	14.128	14.188	VV	337	7339	0.11%	0.031%
277	14.214	14.188	14.242	VV	1619	24804	0.39%	0.105%
278	14.260	14.242	14.287	VV	1564	23650	0.37%	0.100%
279	14.319	14.287	14.327	VV	519	8572	0.13%	0.036%
280	14.340	14.327	14.374	VV	583	10037	0.16%	0.042%
281	14.390	14.374	14.408	VV	506	7726	0.12%	0.033%
282	14.422	14.408	14.443	VV	599	7683	0.12%	0.032%
283	14.492	14.443	14.513	VV	790	21532	0.34%	0.091%
284	14.553	14.513	14.590	VV	675	19819	0.31%	0.084%
285	14.603	14.590	14.637	VV	369	5567	0.09%	0.024%
286	14.702	14.637	14.724	PV	320	9070	0.14%	0.038%
287	14.732	14.724	14.748	VV	369	3125	0.05%	0.013%
288	14.768	14.748	14.807	VV	1044	17644	0.28%	0.074%
289	14.860	14.807	14.872	VV	1108	20364	0.32%	0.086%
290	14.888	14.872	14.917	VV	1751	35130	0.55%	0.148%
291	14.927	14.917	14.947	VV	880	11782	0.18%	0.050%
292	14.972	14.947	15.011	VV	3526	58711	0.92%	0.248%
293	15.023	15.011	15.055	VV	450	6077	0.10%	0.026%
294	15.065	15.055	15.077	VV	298	1894	0.03%	0.008%
295	15.097	15.077	15.134	VV	409	7154	0.11%	0.030%
296	15.151	15.134	15.167	VV	421	5387	0.08%	0.023%
297	15.206	15.167	15.237	VV	504	10781	0.17%	0.046%
298	15.245	15.237	15.270	PV	199	2563	0.04%	0.011%
299	15.300	15.270	15.379	VV	29916	402222	6.30%	1.698%

					rteres			
300	15.402	15.379	15.424	VV	1761	24996	0.39%	0.106%
301	15.463	15.424	15.485	VV	1632	32592	0.51%	0.138%
302	15.499	15.485	15.555	VV	563	14374	0.23%	0.061%
303	15.577	15.555	15.618	VV	1217	23421	0.37%	0.099%
304	15.625	15.618	15.645	VV	418	4666	0.07%	0.020%
305	15.661	15.645	15.697	VV	533	10260	0.16%	0.043%
306	15.713	15.697	15.741	VV	246	5402	0.08%	0.023%
307	15.771	15.741	15.787	VV	413	7492	0.12%	0.032%
308	15.820	15.787	15.862	VV	1343	27343	0.43%	0.115%
309	15.874	15.862	15.883	VV	418	4323	0.07%	0.018%
310	15.909	15.883	15.925	VV	1063	16383	0.26%	0.069%
311	15.945	15.925	15.980	VV	1269	23648	0.37%	0.100%
312	16.005	15.980	16.045	VV	2414	33968	0.53%	0.143%
313	16.064	16.045	16.102	VV	243	4996	0.08%	0.021%
314	16.138	16.102	16.154	VV	314	6993	0.11%	0.030%
315	16.193	16.154	16.219	VV	331	8119	0.13%	0.034%
316	16.225	16.219	16.244	VV	264	2201	0.03%	0.009%
317	16.256	16.244	16.270	PV	219	1275	0.02%	0.005%
318	16.312	16.270	16.387	VV	10849	178506	2.80%	0.754%
319	16.406	16.387	16.475	VV	1541	48887	0.77%	0.206%
320	16.507	16.475	16.529	VV	1447	23189	0.36%	0.098%
321	16.561	16.529	16.597	VV	828	19361	0.30%	0.082%
322	16.612	16.597	16.668	VV	527	12229	0.19%	0.052%
323	16.675	16.668	16.685	VV	370	1866	0.03%	0.008%
324	16.734	16.685	16.747	PV	453	10819	0.17%	0.046%
325	16.792	16.747	16.838	VV	1470	37466	0.59%	0.158%
326	16.861	16.838	16.870	VV	993	13948	0.22%	0.059%
327	16.891	16.870	16.920	VV	2084	33930	0.53%	0.143%
328	16.967	16.920	16.995	VV	2488	57422	0.90%	0.242%
329	17.005	16.995	17.079	VV	470	18348	0.29%	0.077%
330	17.095	17.079	17.105	VV	380	4563	0.07%	0.019%
331	17.131	17.105	17.188	VV	503	13333	0.21%	0.056%
332	17.199	17.188	17.210	VV	376	2240	0.04%	0.009%
333	17.252	17.210	17.313	VV	5112	108242	1.70%	0.457%
334	17.337	17.313	17.391	VV	3144	60058	0.94%	0.254%
335	17.426	17.391	17.479	VV	963	29951	0.47%	0.126%
336	17.508	17.479	17.532	VV	469	10832	0.17%	0.046%
337	17.564	17.532	17.575	VV	604	11088	0.17%	0.047%
338	17.627	17.575	17.653	VV	607	20179	0.32%	0.085%
339	17.661	17.653	17.673	VV	266	2043	0.03%	0.009%
340	17.734	17.673	17.752	PV	959	30280	0.47%	0.128%
341	17.777	17.752	17.803	VV	3016	44454	0.70%	0.188%
342	17.864	17.803	17.892	VV	2962	51476	0.81%	0.217%
343	17.913	17.892	17.925	VV	687	12540	0.20%	0.053%
344	17.959	17.925	17.975	VV	936	20509	0.32%	0.087%
345	18.005	17.975	18.037	VV	1380	34142	0.53%	0.144%
346	18.064	18.037	18.077	VV	888	18706	0.29%	0.079%
347	18.130	18.077	18.172	VV	14843	281163	4.40%	1.187%
348	18.198	18.172	18.245	VV	5777	124809	1.95%	0.527%
349	18.288	18.245	18.308	VV	1689	54838	0.86%	0.232%
350	18.333	18.308	18.372	VV	7029	107834	1.69%	0.455%
351	18.405	18.372	18.422	VV	1186	20445	0.32%	0.086%

					rteres			
352	18.448	18.422	18.479	VV	1172	32236	0.50%	0.136%
353	18.506	18.479	18.536	VV	3904	69077	1.08%	0.292%
354	18.554	18.536	18.562	VV	1115	15553	0.24%	0.066%
355	18.604	18.562	18.668	VV	3432	92197	1.44%	0.389%
356	18.704	18.668	18.738	PV	3201	65724	1.03%	0.277%
357	18.748	18.738	18.796	VV	1243	28484	0.45%	0.120%
358	18.816	18.796	18.835	VV	424	5630	0.09%	0.024%
359	18.893	18.835	18.918	PV	3792	59784	0.94%	0.252%
360	18.957	18.918	18.985	PV	11218	164300	2.57%	0.694%

Sum of corrected areas: 23686822

Aromatic EPH 050125.M Fri May 09 09:50:23 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
Data File : FC068806.D
Signal(s) : FID1A.ch
Acq On : 08 May 2025 22:19
Operator : YP/AJ
Sample : Q1901-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-170-SB02

Integration File: autoint1.e
Quant Time: May 09 09:09:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 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...	13.142	2465882	30.737 ug/ml
Spiked Amount	50.000	Recovery	= 61.47%

Target Compounds

(f)=RT Delta > 1/2 Window

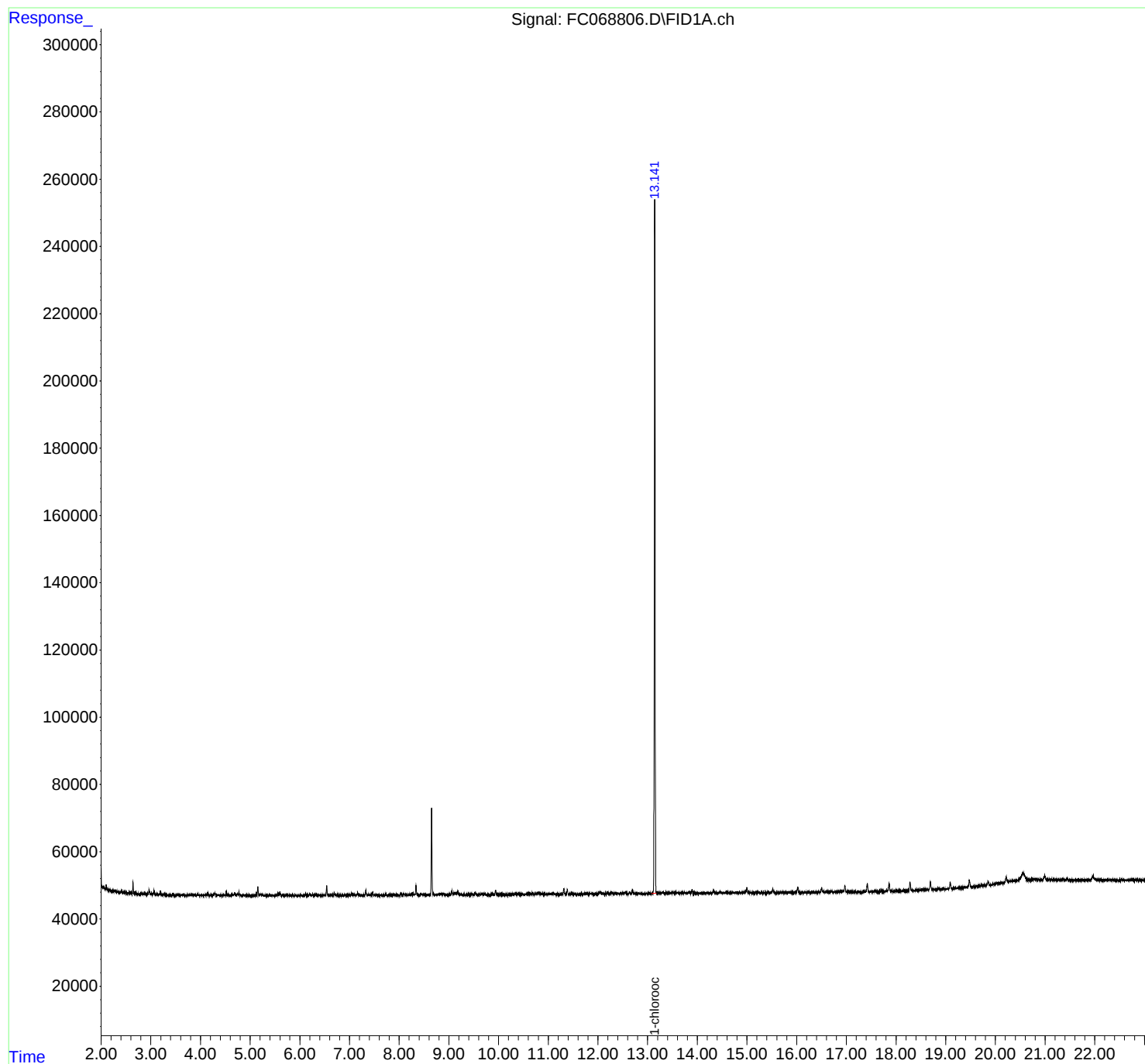
(m)=manual int.

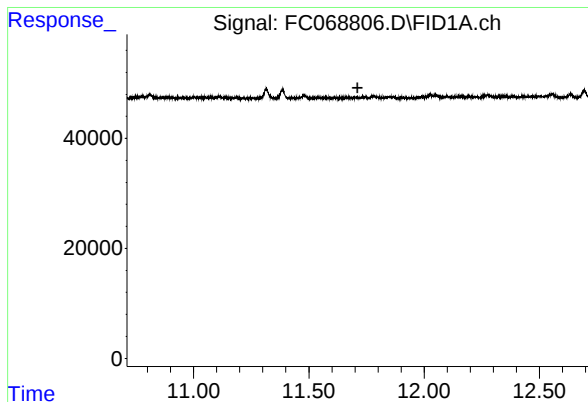
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
Data File : FC068806.D
Signal(s) : FID1A.ch
Acq On : 08 May 2025 22:19
Operator : YP/AJ
Sample : Q1901-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-170-SB02

Integration File: autoint1.e
Quant Time: May 09 09:09:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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

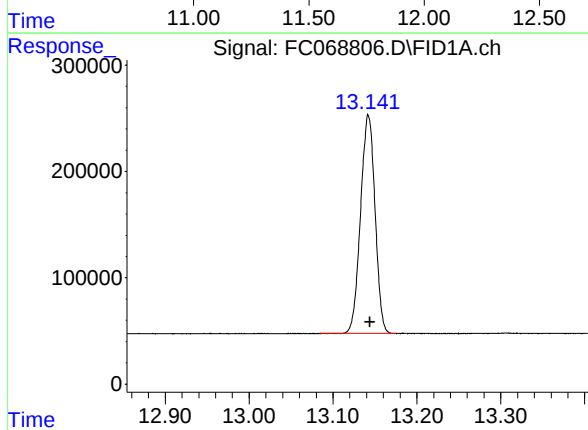




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.711 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-170-SB02



#12 1-chlorooctadecane (SURR)

R.T.: 13.142 min
Delta R.T.: -0.002 min
Response: 2465882
Conc: 30.74 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
 Data File : FC068806.D
 Signal(s) : FID1A.ch
 Acq On : 08 May 2025 22:19
 Sample : Q1901-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.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	2.642	2.603	2.663	BV	3430	25633	1.04%	0.932%
2	8.653	8.600	8.703	BB	25857	257978	10.46%	9.383%
3	13.142	13.083	13.175	BB	206234	2465882	100.00%	89.685%
Sum of corrected areas:							2749493	

Aliphatic EPH 050625.M Fri May 09 09:42:11 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
 Data File : FD049332.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 21:41
 Operator : YP/AJ
 Sample : Q1901-05
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-170-SB02

A
B
C
D
E
F
G
H
I
J

Integration File: autoint1.e
 Quant Time: May 09 09:21:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 01 13:29:48 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...	7.741	6746093	56.895 ug/ml
Spiked Amount 50.000		Recovery =	113.79%
6) S 2-Fluorobiphenyl (SURR)	8.607	4263173	53.983 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	107.97%
11) S ortho-Terphenyl (SURR)	11.650	4011652	29.066 ug/ml
Spiked Amount 50.000		Recovery =	58.13%

Target Compounds

(f)=RT Delta > 1/2 Window

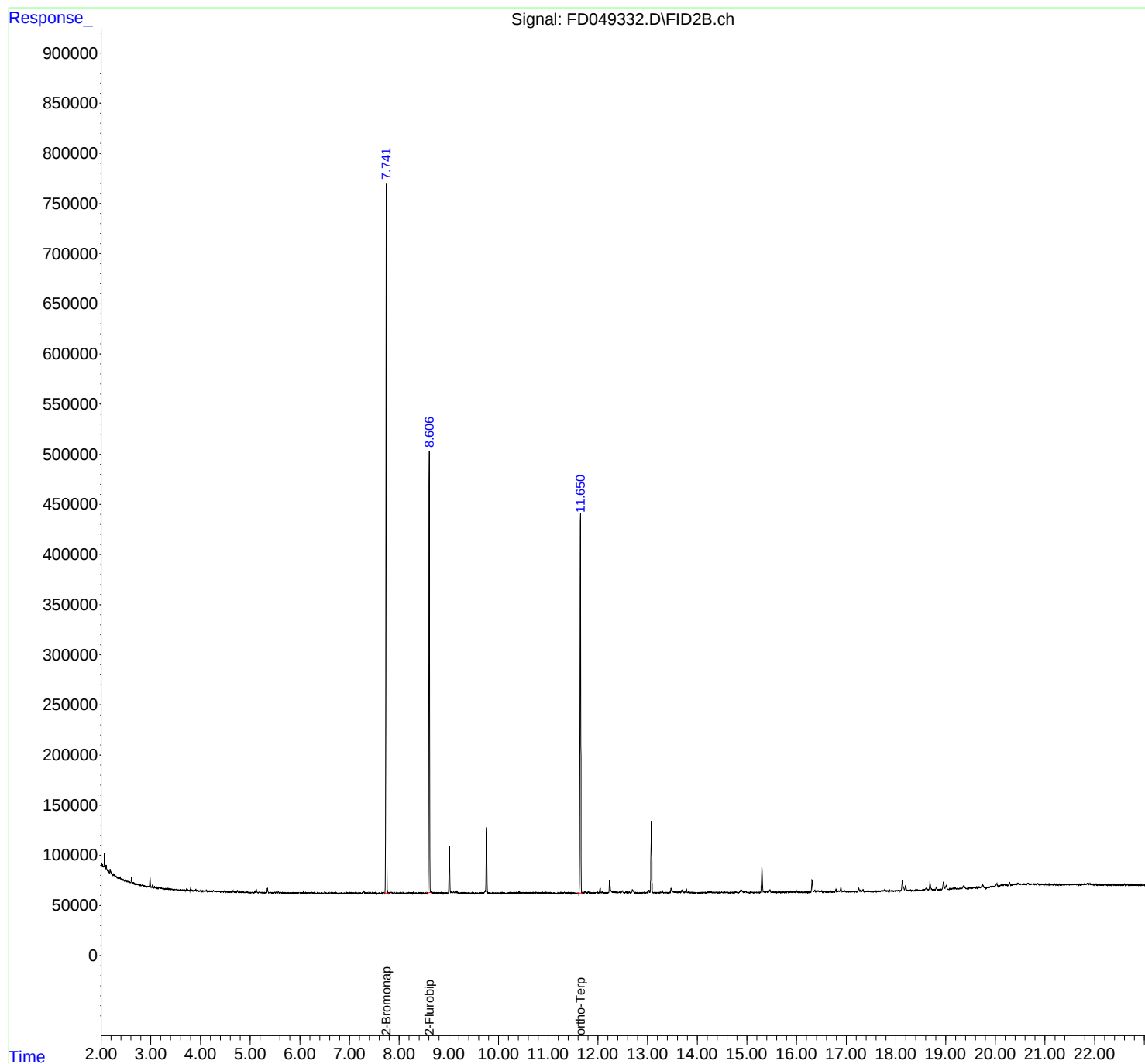
(m)=manual int.

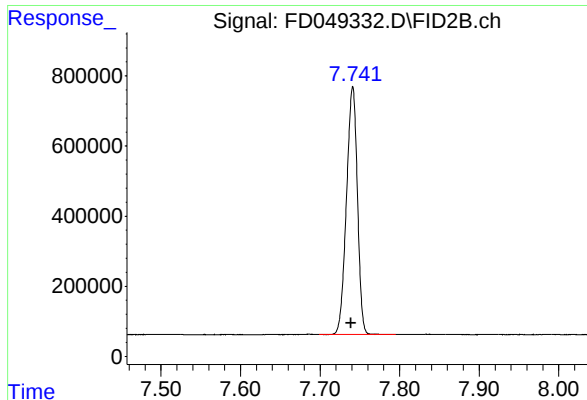
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
Data File : FD049332.D
Signal(s) : FID2B.ch
Acq On : 08 May 2025 21:41
Operator : YP/AJ
Sample : Q1901-05
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-170-SB02

Integration File: autoint1.e
Quant Time: May 09 09:21:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
Quant Title : GC Extractables
QLast Update : Thu May 01 13:29:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

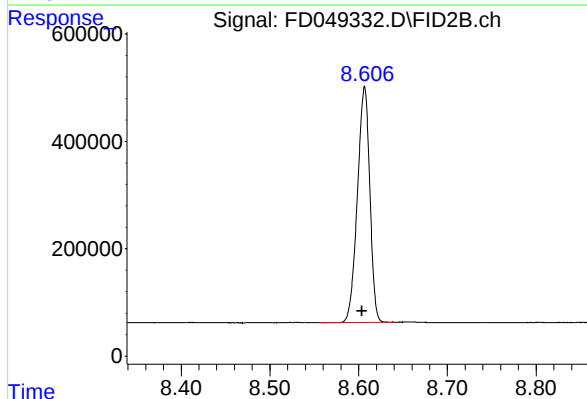




#4 2-Bromonaphthalene (SURR)

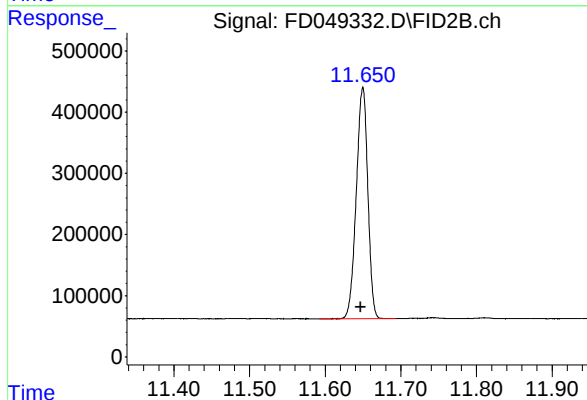
R.T.: 7.741 min
Delta R.T.: 0.002 min
Response: 6746093
Conc: 56.90 ug/ml

Instrument :
FID_D
ClientSampleId :
B-170-SB02



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.607 min
Delta R.T.: 0.003 min
Response: 4263173
Conc: 53.98 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.650 min
Delta R.T.: 0.003 min
Response: 4011652
Conc: 29.07 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
 Data File : FD049332.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 21:41
 Sample : Q1901-05
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.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	4.264	4.252	4.283	PH	783	9391	0.14%	0.042%
2	4.294	4.283	4.321	PV	656	7745	0.11%	0.034%
3	4.384	4.376	4.402	VV	168	1683	0.02%	0.007%
4	4.430	4.419	4.437	PV	203	1294	0.02%	0.006%
5	4.451	4.437	4.464	VV	515	4408	0.07%	0.020%
6	4.490	4.464	4.517	VV	1417	17023	0.25%	0.076%
7	4.529	4.517	4.557	VV	320	4849	0.07%	0.022%
8	4.588	4.557	4.620	VV	467	12206	0.18%	0.054%
9	4.637	4.620	4.649	VV	1882	18823	0.28%	0.084%
10	4.656	4.649	4.685	VV	1352	15194	0.22%	0.068%
11	4.714	4.685	4.727	VV	1045	10922	0.16%	0.049%
12	4.744	4.727	4.760	VV	1871	16594	0.24%	0.074%
13	4.795	4.769	4.811	VV	848	9583	0.14%	0.043%
14	4.832	4.811	4.889	VV	1012	18246	0.27%	0.081%
15	4.898	4.889	4.903	PV	192	1085	0.02%	0.005%
16	4.911	4.903	4.920	VV	209	1395	0.02%	0.006%
17	4.933	4.920	4.955	VV	717	7221	0.11%	0.032%
18	4.965	4.955	4.976	VV	278	1561	0.02%	0.007%
19	5.019	4.976	5.042	VV	262	4574	0.07%	0.020%
20	5.053	5.048	5.066	VV	324	2215	0.03%	0.010%
21	5.098	5.075	5.107	VV	869	8004	0.12%	0.036%
22	5.123	5.107	5.159	VV	3776	42483	0.63%	0.189%
23	5.183	5.166	5.205	VV	834	10345	0.15%	0.046%
24	5.211	5.205	5.220	VV	246	1456	0.02%	0.006%
25	5.241	5.220	5.266	VV	630	6791	0.10%	0.030%
26	5.279	5.266	5.291	PV	267	1843	0.03%	0.008%
27	5.307	5.291	5.323	VV	348	4994	0.07%	0.022%
28	5.329	5.323	5.332	VV	319	1260	0.02%	0.006%
29	5.347	5.332	5.383	VV	4730	52119	0.77%	0.232%
30	5.394	5.383	5.450	VV	441	10025	0.15%	0.045%
31	5.467	5.450	5.472	VV	219	2122	0.03%	0.009%
32	5.487	5.472	5.509	VV	791	8592	0.13%	0.038%
33	5.525	5.509	5.544	VV	686	8049	0.12%	0.036%
34	5.566	5.544	5.586	VV	1444	15712	0.23%	0.070%
35	5.604	5.586	5.608	VV	471	3824	0.06%	0.017%
36	5.620	5.608	5.642	VV	490	6190	0.09%	0.028%

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37	5.654	5.642	5.659	VV	267	1885	0.03%	0.008%
38	5.683	5.659	5.702	VV	433	6182	0.09%	0.027%
39	5.708	5.702	5.735	VV	421	4672	0.07%	0.021%
40	5.746	5.735	5.755	VV	183	1005	0.01%	0.004%
41	5.769	5.755	5.787	PV	386	4920	0.07%	0.022%
42	5.817	5.787	5.833	VV	342	5321	0.08%	0.024%
43	5.847	5.840	5.856	VV	357	2488	0.04%	0.011%
44	5.872	5.856	5.879	VV	455	4654	0.07%	0.021%
45	5.881	5.879	5.920	VV	476	5683	0.08%	0.025%
46	5.929	5.920	5.933	VV	260	1270	0.02%	0.006%
47	5.938	5.933	5.958	VV	357	3642	0.05%	0.016%
48	5.984	5.958	6.001	VV	788	10835	0.16%	0.048%
49	6.007	6.001	6.012	VV	418	2030	0.03%	0.009%
50	6.023	6.012	6.050	VV	617	10178	0.15%	0.045%
51	6.055	6.050	6.062	VV	494	3050	0.05%	0.014%
52	6.077	6.062	6.100	VV	2099	23085	0.34%	0.103%
53	6.122	6.100	6.142	VV	667	9913	0.15%	0.044%
54	6.164	6.142	6.192	VV	1023	16060	0.24%	0.071%
55	6.223	6.192	6.264	VV	1020	20668	0.31%	0.092%
56	6.277	6.264	6.281	VV	340	2437	0.04%	0.011%
57	6.299	6.281	6.312	VV	459	5056	0.07%	0.022%
58	6.315	6.312	6.325	VV	217	1313	0.02%	0.006%
59	6.332	6.325	6.340	VV	167	1265	0.02%	0.006%
60	6.356	6.340	6.392	VV	1121	16143	0.24%	0.072%
61	6.395	6.392	6.416	VV	272	2347	0.03%	0.010%
62	6.446	6.425	6.458	VV	266	3526	0.05%	0.016%
63	6.472	6.458	6.485	VV	277	2913	0.04%	0.013%
64	6.503	6.485	6.534	VV	1841	23395	0.35%	0.104%
65	6.539	6.534	6.542	VV	315	1362	0.02%	0.006%
66	6.546	6.542	6.557	VV	339	2034	0.03%	0.009%
67	6.590	6.557	6.608	VV	827	10499	0.15%	0.047%
68	6.625	6.608	6.637	VV	833	8223	0.12%	0.037%
69	6.652	6.637	6.674	VV	1190	14601	0.22%	0.065%
70	6.687	6.674	6.703	VV	528	5100	0.08%	0.023%
71	6.728	6.703	6.745	PV	660	8622	0.13%	0.038%
72	6.749	6.745	6.756	VV	256	1097	0.02%	0.005%
73	6.762	6.756	6.777	VV	221	1596	0.02%	0.007%
74	6.781	6.777	6.810	VV	316	2573	0.04%	0.011%
75	6.833	6.810	6.846	VV	438	4991	0.07%	0.022%
76	6.860	6.846	6.875	VV	331	3972	0.06%	0.018%
77	6.880	6.875	6.885	VV	341	1596	0.02%	0.007%
78	6.889	6.885	6.924	VV	368	5279	0.08%	0.023%
79	6.949	6.924	6.967	VV	779	11223	0.17%	0.050%
80	6.970	6.967	6.977	VV	404	1761	0.03%	0.008%
81	7.001	6.977	7.032	VV	1055	21184	0.31%	0.094%
82	7.044	7.032	7.078	VV	946	16979	0.25%	0.075%
83	7.083	7.078	7.095	VV	368	3071	0.05%	0.014%
84	7.127	7.095	7.162	VV	1304	25386	0.37%	0.113%
85	7.167	7.162	7.173	VV	376	1299	0.02%	0.006%
86	7.183	7.173	7.205	VV	501	6022	0.09%	0.027%
87	7.213	7.205	7.225	VV	340	2437	0.04%	0.011%
88	7.234	7.225	7.258	VV	251	2608	0.04%	0.012%
89	7.286	7.258	7.325	VV	2481	34046	0.50%	0.151%

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90	7.346	7.325	7.356	VV	473	6442	0.10%	0.029%
91	7.365	7.356	7.377	VV	552	4634	0.07%	0.021%
92	7.391	7.377	7.409	VV	595	8018	0.12%	0.036%
93	7.424	7.409	7.448	VV	871	10925	0.16%	0.049%
94	7.466	7.448	7.480	VV	382	4957	0.07%	0.022%
95	7.490	7.480	7.505	VV	614	7059	0.10%	0.031%
96	7.513	7.505	7.536	VV	634	7748	0.11%	0.034%
97	7.555	7.536	7.569	VV	229	3144	0.05%	0.014%
98	7.586	7.569	7.623	VV	446	7019	0.10%	0.031%
99	7.643	7.623	7.650	PV	415	4496	0.07%	0.020%
100	7.658	7.650	7.671	VV	438	4431	0.07%	0.020%
101	7.686	7.671	7.706	VV	1220	15795	0.23%	0.070%
102	7.741	7.706	7.809	VV	706624	6775275	100.00%	30.116%
103	7.835	7.809	7.892	VV	1145	31359	0.46%	0.139%
104	7.909	7.892	7.935	VV	1019	14356	0.21%	0.064%
105	7.945	7.935	7.970	VV	412	5404	0.08%	0.024%
106	7.990	7.970	8.005	VV	740	8582	0.13%	0.038%
107	8.019	8.005	8.027	VV	342	3128	0.05%	0.014%
108	8.045	8.027	8.057	VV	460	5574	0.08%	0.025%
109	8.078	8.057	8.110	VV	712	12679	0.19%	0.056%
110	8.116	8.110	8.128	VV	393	2526	0.04%	0.011%
111	8.137	8.128	8.149	VV	321	3182	0.05%	0.014%
112	8.194	8.149	8.224	VV	1000	25831	0.38%	0.115%
113	8.229	8.224	8.237	VV	640	3926	0.06%	0.017%
114	8.240	8.237	8.253	VV	501	3970	0.06%	0.018%
115	8.260	8.253	8.265	VV	488	2970	0.04%	0.013%
116	8.293	8.265	8.316	VV	1692	23738	0.35%	0.106%
117	8.328	8.316	8.352	VV	468	7309	0.11%	0.032%
118	8.358	8.352	8.377	VV	498	5104	0.08%	0.023%
119	8.389	8.377	8.394	VV	588	4468	0.07%	0.020%
120	8.411	8.394	8.471	VV	694	21100	0.31%	0.094%
121	8.489	8.471	8.506	PV	520	6422	0.09%	0.029%
122	8.530	8.506	8.561	VV	816	14715	0.22%	0.065%
123	8.570	8.561	8.575	VV	468	2875	0.04%	0.013%
124	8.607	8.575	8.642	VV	440575	4298654	63.45%	19.107%
125	8.658	8.642	8.687	VV	1727	29619	0.44%	0.132%
126	8.694	8.687	8.714	VV	572	8570	0.13%	0.038%
127	8.720	8.714	8.733	VV	539	5786	0.09%	0.026%
128	8.740	8.733	8.747	VV	605	4245	0.06%	0.019%
129	8.752	8.747	8.757	VV	641	3394	0.05%	0.015%
130	8.761	8.757	8.767	VV	543	2406	0.04%	0.011%
131	8.803	8.767	8.820	VV	797	18872	0.28%	0.084%
132	8.832	8.820	8.839	VV	766	7202	0.11%	0.032%
133	8.852	8.839	8.873	VV	819	10459	0.15%	0.046%
134	8.894	8.873	8.908	VV	536	8244	0.12%	0.037%
135	8.918	8.908	8.930	VV	583	5974	0.09%	0.027%
136	8.940	8.930	8.969	VV	470	8585	0.13%	0.038%
137	8.972	8.969	8.981	VV	441	2671	0.04%	0.012%
138	9.013	8.981	9.037	VV	46602	460785	6.80%	2.048%
139	9.040	9.037	9.044	VV	1217	4949	0.07%	0.022%
140	9.047	9.044	9.084	VV	1134	20736	0.31%	0.092%
141	9.097	9.084	9.116	VV	2095	25802	0.38%	0.115%

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142	9.132	9.116	9.152	VV	1909	27130	0.40%	0.121%
143	9.166	9.152	9.186	VV	1755	22448	0.33%	0.100%
144	9.205	9.186	9.229	VV	857	10103	0.15%	0.045%
145	9.251	9.229	9.279	VV	589	9922	0.15%	0.044%
146	9.303	9.279	9.320	VV	750	12966	0.19%	0.058%
147	9.333	9.320	9.376	VV	880	19257	0.28%	0.086%
148	9.381	9.376	9.387	VV	419	2299	0.03%	0.010%
149	9.397	9.387	9.407	VV	601	5960	0.09%	0.026%
150	9.417	9.407	9.432	VV	570	6000	0.09%	0.027%
151	9.438	9.432	9.455	VV	435	4327	0.06%	0.019%
152	9.479	9.455	9.517	VV	1121	19114	0.28%	0.085%
153	9.532	9.517	9.538	VV	408	3159	0.05%	0.014%
154	9.552	9.538	9.569	VV	575	7198	0.11%	0.032%
155	9.582	9.569	9.588	VV	327	2745	0.04%	0.012%
156	9.618	9.588	9.634	VV	469	7952	0.12%	0.035%
157	9.648	9.634	9.659	VV	418	4611	0.07%	0.020%
158	9.674	9.659	9.701	VV	502	9244	0.14%	0.041%
159	9.729	9.701	9.738	VV	2652	30394	0.45%	0.135%
160	9.760	9.738	9.789	VV	65920	662328	9.78%	2.944%
161	9.792	9.789	9.796	VV	507	1913	0.03%	0.009%
162	9.805	9.796	9.812	VV	574	4807	0.07%	0.021%
163	9.814	9.812	9.820	VV	686	2781	0.04%	0.012%
164	9.830	9.820	9.865	VV	729	10270	0.15%	0.046%
165	9.890	9.865	9.913	VV	1012	15166	0.22%	0.067%
166	9.934	9.913	9.954	VV	280	3574	0.05%	0.016%
167	9.965	9.954	9.996	VV	421	7957	0.12%	0.035%
168	10.002	9.996	10.012	VV	443	3309	0.05%	0.015%
169	10.016	10.012	10.024	VV	402	2311	0.03%	0.010%
170	10.036	10.024	10.070	VV	501	9579	0.14%	0.043%
171	10.087	10.070	10.150	VV	685	13489	0.20%	0.060%
172	10.165	10.150	10.190	VV	317	4957	0.07%	0.022%
173	10.198	10.190	10.204	VV	449	2909	0.04%	0.013%
174	10.220	10.204	10.266	VV	676	17245	0.25%	0.077%
175	10.284	10.266	10.298	VV	537	8119	0.12%	0.036%
176	10.305	10.298	10.322	VV	639	7652	0.11%	0.034%
177	10.326	10.322	10.338	VV	725	5219	0.08%	0.023%
178	10.350	10.338	10.359	VV	745	6835	0.10%	0.030%
179	10.367	10.359	10.394	VV	628	8741	0.13%	0.039%
180	10.413	10.394	10.435	VV	1825	24232	0.36%	0.108%
181	10.440	10.435	10.459	VV	499	6180	0.09%	0.027%
182	10.474	10.459	10.481	VV	659	7098	0.10%	0.032%
183	10.487	10.481	10.497	VV	598	5147	0.08%	0.023%
184	10.514	10.497	10.523	VV	811	10554	0.16%	0.047%
185	10.530	10.523	10.544	VV	739	6964	0.10%	0.031%
186	10.578	10.544	10.591	VV	794	15689	0.23%	0.070%
187	10.602	10.591	10.642	VV	766	18176	0.27%	0.081%
188	10.655	10.642	10.662	VV	734	6964	0.10%	0.031%
189	10.681	10.662	10.693	VV	720	10107	0.15%	0.045%
190	10.723	10.693	10.736	VV	778	15639	0.23%	0.070%
191	10.757	10.736	10.796	VV	1182	23263	0.34%	0.103%
192	10.819	10.796	10.832	VV	788	10701	0.16%	0.048%
193	10.846	10.832	10.859	VV	732	9677	0.14%	0.043%
194	10.878	10.859	10.906	VV	1157	19846	0.29%	0.088%

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195	10.911	10.906	10.929	VV	539	6003	0.09%	0.027%
196	10.954	10.929	10.985	VV	1085	22543	0.33%	0.100%
197	11.001	10.985	11.017	VV	578	8596	0.13%	0.038%
198	11.027	11.017	11.036	VV	540	5012	0.07%	0.022%
199	11.043	11.036	11.071	VV	581	8867	0.13%	0.039%
200	11.079	11.071	11.100	VV	406	4906	0.07%	0.022%
201	11.108	11.100	11.124	VV	475	4188	0.06%	0.019%
202	11.128	11.124	11.140	VV	441	3009	0.04%	0.013%
203	11.144	11.140	11.161	VV	443	3442	0.05%	0.015%
204	11.191	11.161	11.209	PV	346	4717	0.07%	0.021%
205	11.219	11.215	11.230	VV	329	2028	0.03%	0.009%
206	11.261	11.230	11.288	VV	807	14278	0.21%	0.063%
207	11.325	11.288	11.347	VV	1097	18234	0.27%	0.081%
208	11.354	11.347	11.359	VV	383	2134	0.03%	0.009%
209	11.369	11.359	11.417	VV	527	13822	0.20%	0.061%
210	11.423	11.417	11.434	VV	446	3828	0.06%	0.017%
211	11.445	11.434	11.453	VV	381	3001	0.04%	0.013%
212	11.486	11.453	11.498	VV	624	10010	0.15%	0.044%
213	11.518	11.498	11.535	VV	575	8183	0.12%	0.036%
214	11.539	11.535	11.551	VV	337	2051	0.03%	0.009%
215	11.562	11.551	11.585	VV	429	4858	0.07%	0.022%
216	11.599	11.585	11.605	PV	184	1317	0.02%	0.006%
217	11.650	11.605	11.694	VV	379598	4026038	59.42%	17.896%
218	11.719	11.694	11.726	VV	920	12880	0.19%	0.057%
219	11.742	11.726	11.767	VV	1883	27271	0.40%	0.121%
220	11.811	11.767	11.838	VV	1789	33902	0.50%	0.151%
221	11.855	11.838	11.872	VV	530	8074	0.12%	0.036%
222	11.881	11.872	11.904	VV	533	7054	0.10%	0.031%
223	11.906	11.904	11.909	VV	374	1012	0.01%	0.004%
224	11.922	11.909	11.930	VV	477	5199	0.08%	0.023%
225	11.964	11.930	11.969	VV	888	14374	0.21%	0.064%
226	11.985	11.969	12.020	VV	1081	21478	0.32%	0.095%
227	12.045	12.020	12.067	VV	4782	59027	0.87%	0.262%
228	12.086	12.067	12.104	VV	1373	18312	0.27%	0.081%
229	12.110	12.104	12.121	VV	343	3710	0.05%	0.016%
230	12.128	12.121	12.147	VV	533	5944	0.09%	0.026%
231	12.154	12.147	12.159	VV	477	3095	0.05%	0.014%
232	12.162	12.159	12.170	VV	444	2525	0.04%	0.011%
233	12.237	12.170	12.311	VV	12708	221394	3.27%	0.984%
234	12.316	12.311	12.318	VV	1139	4758	0.07%	0.021%
235	12.324	12.318	12.341	VV	1172	14279	0.21%	0.063%
236	12.354	12.341	12.393	VV	1287	29985	0.44%	0.133%
237	12.399	12.393	12.403	VV	832	4668	0.07%	0.021%
238	12.425	12.403	12.432	VV	984	14224	0.21%	0.063%
239	12.436	12.432	12.463	VV	869	14652	0.22%	0.065%
240	12.495	12.463	12.522	VV	2589	47355	0.70%	0.210%
241	12.526	12.522	12.537	VV	610	4662	0.07%	0.021%
242	12.543	12.537	12.545	VV	539	2513	0.04%	0.011%
243	12.572	12.545	12.602	VV	1695	30724	0.45%	0.137%
244	12.606	12.602	12.610	VV	444	1678	0.02%	0.007%
245	12.630	12.610	12.651	VV	1476	21112	0.31%	0.094%
246	12.657	12.651	12.665	VV	549	3548	0.05%	0.016%

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247	12.696	12.665	12.744	VV	3510	73778	1.09%	0.328%
248	12.754	12.744	12.775	VV	547	8232	0.12%	0.037%
249	12.794	12.775	12.824	VV	541	9105	0.13%	0.040%
250	12.846	12.824	12.867	VV	465	7752	0.11%	0.034%
251	12.905	12.867	12.921	VV	599	12874	0.19%	0.057%
252	12.931	12.921	12.972	VV	492	10950	0.16%	0.049%
253	12.993	12.972	13.010	VV	945	13095	0.19%	0.058%
254	13.029	13.010	13.047	VV	2836	36488	0.54%	0.162%
255	13.077	13.047	13.109	VV	71482	836381	12.34%	3.718%
256	13.125	13.109	13.158	VV	548	11775	0.17%	0.052%
257	13.181	13.158	13.227	VV	429	13568	0.20%	0.060%
258	13.242	13.227	13.268	VV	524	10113	0.15%	0.045%
259	13.295	13.268	13.334	VV	2579	38968	0.58%	0.173%
260	13.339	13.334	13.347	VV	462	2934	0.04%	0.013%
261	13.362	13.347	13.397	VV	501	11102	0.16%	0.049%
262	13.409	13.397	13.429	VV	413	5157	0.08%	0.023%
263	13.439	13.429	13.450	VV	450	4466	0.07%	0.020%
264	13.473	13.450	13.555	VV	4677	110284	1.63%	0.490%
265	13.578	13.555	13.599	VV	954	21080	0.31%	0.094%
266	13.616	13.599	13.639	VV	869	16806	0.25%	0.075%
267	13.650	13.639	13.670	VV	785	11800	0.17%	0.052%
268	13.692	13.670	13.721	VV	3038	45228	0.67%	0.201%
269	13.777	13.721	13.806	VV	4398	71384	1.05%	0.317%
270	13.827	13.806	13.884	VV	1120	24512	0.36%	0.109%
271	13.901	13.884	13.933	VV	363	9015	0.13%	0.040%
272	13.942	13.933	13.964	VV	300	3623	0.05%	0.016%
273	13.991	13.964	14.030	VV	335	7144	0.11%	0.032%
274	14.072	14.030	14.085	VV	309	7611	0.11%	0.034%
275	14.134	14.085	14.142	VV	364	7443	0.11%	0.033%
276	14.173	14.142	14.187	VV	383	6972	0.10%	0.031%
277	14.215	14.187	14.239	VV	1198	20905	0.31%	0.093%
278	14.260	14.239	14.307	VV	1423	31570	0.47%	0.140%
279	14.321	14.307	14.365	VV	540	12778	0.19%	0.057%
280	14.382	14.365	14.412	VV	497	9679	0.14%	0.043%
281	14.418	14.412	14.465	VV	354	9459	0.14%	0.042%
282	14.489	14.465	14.509	VV	500	10090	0.15%	0.045%
283	14.519	14.509	14.531	VV	558	5196	0.08%	0.023%
284	14.555	14.531	14.570	VV	656	8851	0.13%	0.039%
285	14.585	14.570	14.616	VV	479	8202	0.12%	0.036%
286	14.645	14.616	14.660	VV	351	5626	0.08%	0.025%
287	14.685	14.660	14.737	VV	397	11440	0.17%	0.051%
288	14.769	14.737	14.801	VV	564	13144	0.19%	0.058%
289	14.859	14.801	14.869	VV	1606	24218	0.36%	0.108%
290	14.888	14.869	14.919	VV	2247	49871	0.74%	0.222%
291	14.925	14.919	14.952	VV	1105	14918	0.22%	0.066%
292	14.971	14.952	14.999	VV	1429	21351	0.32%	0.095%
293	15.003	14.999	15.014	VV	356	2726	0.04%	0.012%
294	15.021	15.014	15.072	VV	377	8522	0.13%	0.038%
295	15.104	15.072	15.154	PV	365	9553	0.14%	0.042%
296	15.179	15.154	15.190	VV	330	4277	0.06%	0.019%
297	15.197	15.190	15.223	VV	286	4380	0.06%	0.019%
298	15.237	15.223	15.269	VV	389	5380	0.08%	0.024%
299	15.301	15.269	15.381	VV	24479	332051	4.90%	1.476%

					rterres			
300	15.399	15.381	15.422	VV	1087	17343	0.26%	0.077%
301	15.463	15.422	15.502	VV	2907	50573	0.75%	0.225%
302	15.525	15.502	15.552	VV	711	12434	0.18%	0.055%
303	15.579	15.552	15.605	VV	442	8332	0.12%	0.037%
304	15.620	15.605	15.632	VV	398	4811	0.07%	0.021%
305	15.659	15.632	15.697	VV	591	15483	0.23%	0.069%
306	15.714	15.697	15.745	VV	356	7535	0.11%	0.033%
307	15.759	15.745	15.791	VV	382	6012	0.09%	0.027%
308	15.817	15.791	15.851	VV	1255	21303	0.31%	0.095%
309	15.874	15.851	15.892	VV	544	9752	0.14%	0.043%
310	15.906	15.892	15.925	VV	851	11134	0.16%	0.049%
311	15.943	15.925	15.976	VV	927	16352	0.24%	0.073%
312	16.004	15.976	16.063	VV	1478	22392	0.33%	0.100%
313	16.087	16.063	16.108	PV	374	4828	0.07%	0.021%
314	16.129	16.108	16.140	VV	203	2269	0.03%	0.010%
315	16.181	16.140	16.190	VV	281	4398	0.06%	0.020%
316	16.202	16.190	16.221	VV	316	3701	0.05%	0.016%
317	16.255	16.221	16.263	PV	259	4375	0.06%	0.019%
318	16.311	16.263	16.345	VV	12499	169764	2.51%	0.755%
319	16.364	16.345	16.389	VV	1897	30541	0.45%	0.136%
320	16.407	16.389	16.427	VV	1510	27201	0.40%	0.121%
321	16.439	16.427	16.463	VV	1317	18725	0.28%	0.083%
322	16.506	16.463	16.537	VV	1211	24869	0.37%	0.111%
323	16.561	16.537	16.592	VV	826	15410	0.23%	0.068%
324	16.625	16.592	16.643	VV	495	7862	0.12%	0.035%
325	16.681	16.643	16.695	VV	557	10766	0.16%	0.048%
326	16.703	16.695	16.730	VV	299	5606	0.08%	0.025%
327	16.735	16.730	16.754	VV	334	3223	0.05%	0.014%
328	16.790	16.754	16.822	VV	2031	34493	0.51%	0.153%
329	16.848	16.822	16.865	VV	929	19925	0.29%	0.089%
330	16.890	16.865	16.918	VV	4667	65097	0.96%	0.289%
331	16.941	16.918	16.952	VV	974	13103	0.19%	0.058%
332	16.968	16.952	16.999	VV	1122	17302	0.26%	0.077%
333	17.006	16.999	17.016	VV	312	2090	0.03%	0.009%
334	17.038	17.016	17.055	VV	285	4426	0.07%	0.020%
335	17.074	17.055	17.105	VV	310	5407	0.08%	0.024%
336	17.136	17.105	17.175	VV	547	11443	0.17%	0.051%
337	17.182	17.175	17.215	VV	327	4223	0.06%	0.019%
338	17.250	17.215	17.277	VV	3471	55853	0.82%	0.248%
339	17.293	17.277	17.315	VV	1302	23738	0.35%	0.106%
340	17.336	17.315	17.379	VV	1662	27703	0.41%	0.123%
341	17.392	17.379	17.400	PV	204	1706	0.03%	0.008%
342	17.420	17.400	17.462	VV	523	11212	0.17%	0.050%
343	17.469	17.462	17.502	VV	223	2550	0.04%	0.011%
344	17.511	17.502	17.532	PV	172	1315	0.02%	0.006%
345	17.566	17.532	17.600	VV	354	7260	0.11%	0.032%
346	17.622	17.600	17.632	PV	230	3683	0.05%	0.016%
347	17.645	17.632	17.680	VV	341	5663	0.08%	0.025%
348	17.702	17.680	17.711	VV	525	6639	0.10%	0.030%
349	17.739	17.711	17.754	VV	934	16705	0.25%	0.074%
350	17.774	17.754	17.801	VV	2120	31815	0.47%	0.141%
351	17.826	17.801	17.834	VV	414	6951	0.10%	0.031%

rteres									
352	17.865	17.834	17.891	VV	1401	23440	0.35%	0.104%	
353	17.905	17.891	17.920	VV	391	5220	0.08%	0.023%	
354	17.931	17.920	17.970	VV	269	5295	0.08%	0.024%	
355	17.999	17.970	18.036	VV	479	11075	0.16%	0.049%	
356	18.061	18.036	18.080	VV	455	8259	0.12%	0.037%	
357	18.128	18.080	18.171	VV	9982	192036	2.83%	0.854%	
358	18.193	18.171	18.230	VV	4903	81335	1.20%	0.362%	
359	18.289	18.230	18.315	VV	964	26796	0.40%	0.119%	
360	18.324	18.315	18.357	VV	335	5115	0.08%	0.023%	
361	18.369	18.357	18.380	PV	195	2155	0.03%	0.010%	
362	18.405	18.380	18.424	VV	1506	21701	0.32%	0.096%	
363	18.441	18.424	18.462	VV	488	9038	0.13%	0.040%	
364	18.468	18.462	18.488	VV	363	4190	0.06%	0.019%	
365	18.552	18.488	18.561	VV	738	15894	0.23%	0.071%	
366	18.603	18.561	18.657	VV	2159	56938	0.84%	0.253%	
367	18.685	18.657	18.747	VV	7332	121752	1.80%	0.541%	
368	18.773	18.747	18.787	VV	408	6410	0.09%	0.028%	
369	18.813	18.787	18.852	VV	2672	38531	0.57%	0.171%	
370	18.891	18.852	18.922	PV	545	10004	0.15%	0.044%	
371	18.956	18.922	18.984	PV	6923	106898	1.58%	0.475%	
Sum of corrected areas:						22497334			

Aromatic EPH 050125.M Fri May 09 09:53:33 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
Data File : FC068746.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 14:40
Operator : YP/AJ
Sample : Q1901-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
FB04262025

Integration File: sample.E
Quant Time: May 03 00:41:10 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	3985386	42.903 ug/ml
Spiked Amount	50.000	Recovery	= 85.81%

Target Compounds

(f)=RT Delta > 1/2 Window

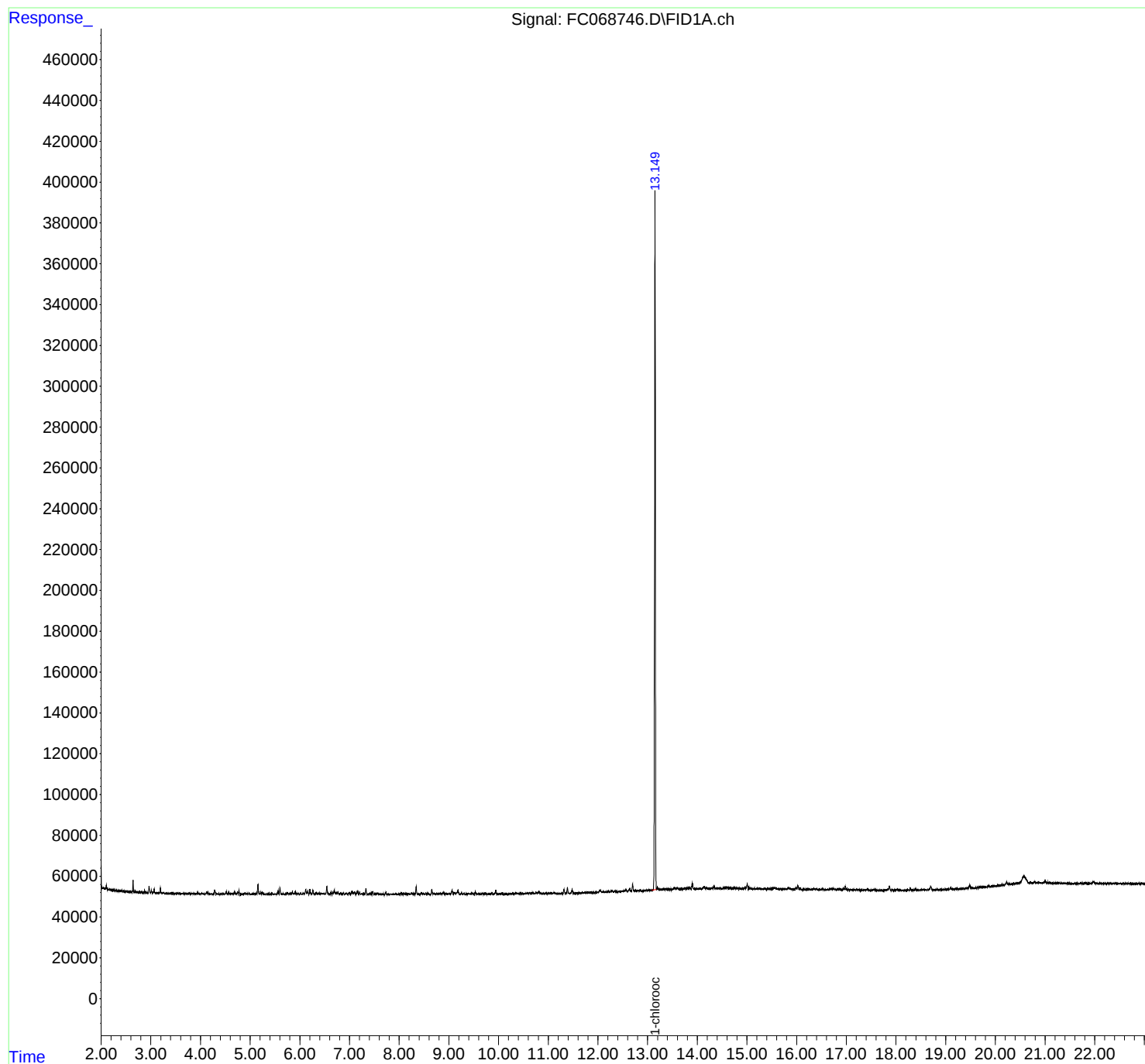
(m)=manual int.

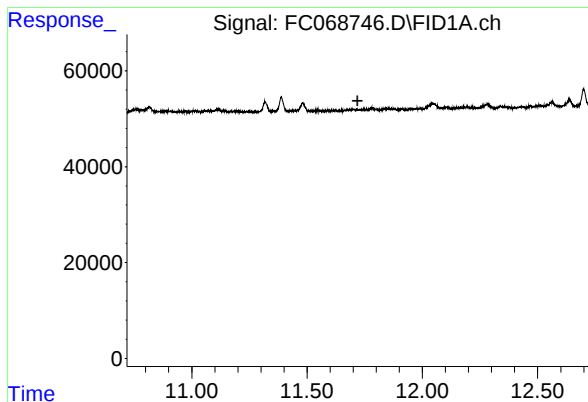
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
Data File : FC068746.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 14:40
Operator : YP/AJ
Sample : Q1901-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
FB04262025

Integration File: sample.E
Quant Time: May 03 00:41:10 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

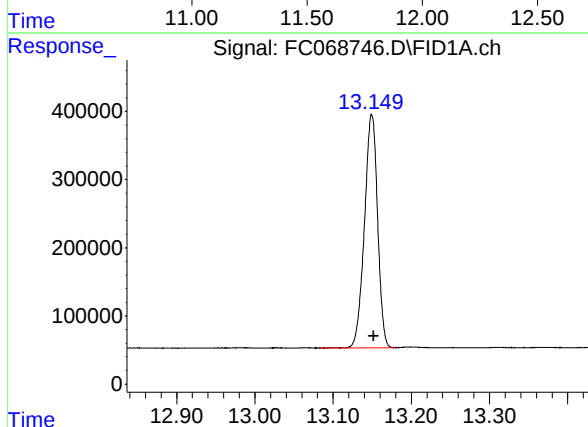




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
FB04262025



#12 1-chlorooctadecane (SURR)

R.T.: 13.149 min
Delta R.T.: -0.003 min
Response: 3985386
Conc: 42.90 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
 Data File : FC068746.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2025 14:40
 Sample : Q1901-06
 Misc :
 ALS Vial : 14 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	2.643	2.624	2.660	BV	5892	45056	1.13%	1.071%
2	5.157	5.084	5.192	BV	4716	56810	1.43%	1.350%
3	6.544	6.492	6.590	BB	3719	39174	0.98%	0.931%
4	8.342	8.299	8.389	BB	3674	38904	0.98%	0.924%
5	12.700	12.670	12.744	BB	3537	43108	1.08%	1.024%
6	13.149	13.082	13.180	BV	342804	3985386	100.00%	94.700%
Sum of corrected areas:						4208437		

Aliphatic EPH 040925.M Sat May 03 03:29:23 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050225AR\
 Data File : FD049313.D
 Signal(s) : FID2B.ch
 Acq On : 02 May 2025 14:40
 Operator : YP/AJ
 Sample : Q1901-06
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 FB04262025

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Integration File: autoint1.e
 Quant Time: May 03 00:34:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 01 13:29:48 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...	7.742	7791580	65.713 ug/ml
Spiked Amount 50.000		Recovery =	131.43%
6) S 2-Fluorobiphenyl (SURR)	8.608	5316724	67.324 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	134.65%#
11) S ortho-Terphenyl (SURR)	11.654	8573546	62.118 ug/ml
Spiked Amount 50.000		Recovery =	124.24%

Target Compounds

(f)=RT Delta > 1/2 Window

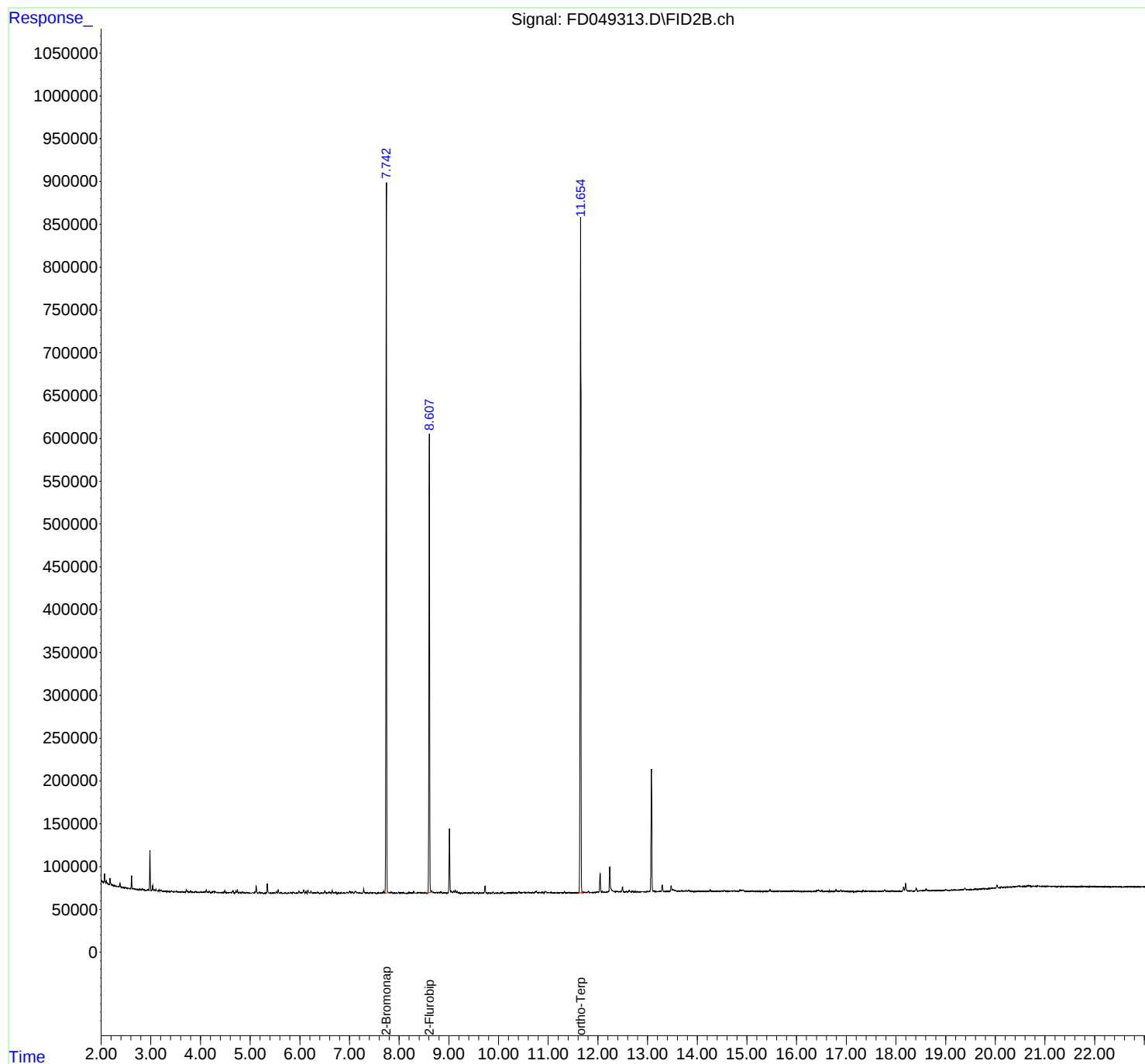
(m)=manual int.

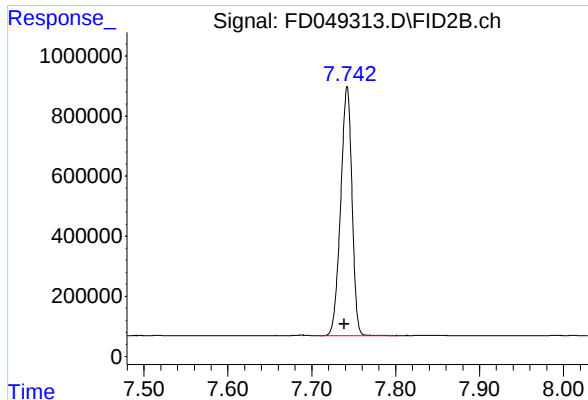
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050225AR\
Data File : FD049313.D
Signal(s) : FID2B.ch
Acq On : 02 May 2025 14:40
Operator : YP/AJ
Sample : Q1901-06
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
FB04262025

Integration File: autoint1.e
Quant Time: May 03 00:34:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
Quant Title : GC Extractables
QLast Update : Thu May 01 13:29:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

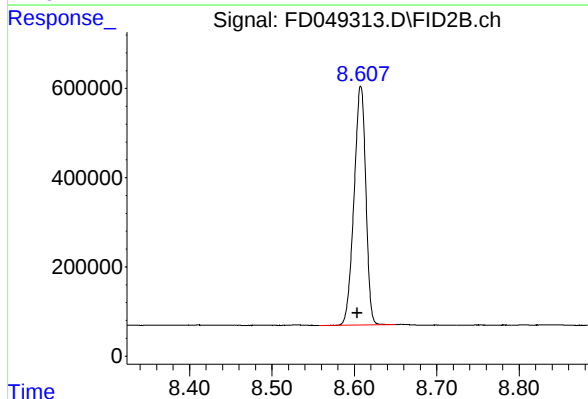




#4 2-Bromonaphthalene (SURR)

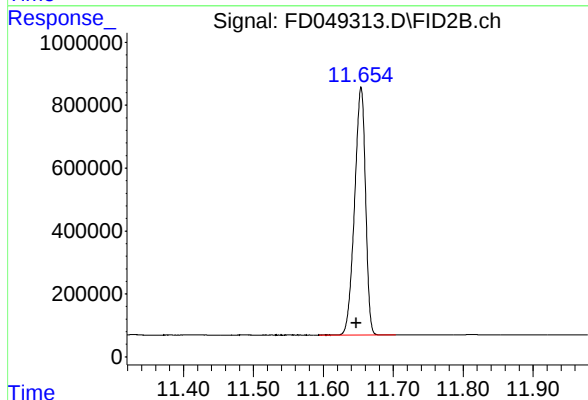
R.T.: 7.742 min
Delta R.T.: 0.003 min
Response: 7791580
Conc: 65.71 ug/ml

Instrument :
FID_D
ClientSampleId :
FB04262025



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.608 min
Delta R.T.: 0.004 min
Response: 5316724
Conc: 67.32 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.654 min
Delta R.T.: 0.007 min
Response: 8573546
Conc: 62.12 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050225AR\
 Data File : FD049313.D
 Signal(s) : FID2B.ch
 Acq On : 02 May 2025 14:40
 Sample : Q1901-06
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.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	2.069	2.052	2.095	BV	10628	88223	1.03%	0.342%
2	2.179	2.142	2.209	BV	7453	53643	0.63%	0.208%
3	2.613	2.565	2.642	BV	15548	120404	1.40%	0.467%
4	2.982	2.949	3.006	BV	46337	368410	4.30%	1.427%
5	5.123	5.107	5.157	BB	7936	77170	0.90%	0.299%
6	5.345	5.287	5.387	BB	11290	114698	1.34%	0.444%
7	7.742	7.709	7.800	BB	829882	7791580	90.88%	30.190%
8	8.608	8.557	8.650	BV	537549	5316724	62.01%	20.601%
9	9.013	8.964	9.035	BV	74363	716590	8.36%	2.777%
10	9.730	9.687	9.767	BB	8269	90755	1.06%	0.352%
11	11.654	11.594	11.704	BB	788466	8573546	100.00%	33.220%
12	12.046	12.010	12.070	BV	21737	241631	2.82%	0.936%
13	12.239	12.165	12.320	BB	29270	369883	4.31%	1.433%
14	13.078	13.044	13.108	BV	142892	1644505	19.18%	6.372%
15	13.296	13.255	13.339	BB	7682	90489	1.06%	0.351%
16	13.474	13.385	13.504	BB	5225	33920	0.40%	0.131%
17	18.195	18.172	18.228	VB	8809	116193	1.36%	0.450%
Sum of corrected areas:						25808364		

Aromatic EPH 050125.M Sat May 03 02:56:57 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
Data File : FC068743.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 11:36
Operator : YP/AJ
Sample : PB167840BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167840BL

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Integration File: sample.E
Quant Time: May 03 00:40:01 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...	13.150	3635026	39.131 ug/ml
Spiked Amount	50.000	Recovery	= 78.26%

Target Compounds

(f)=RT Delta > 1/2 Window

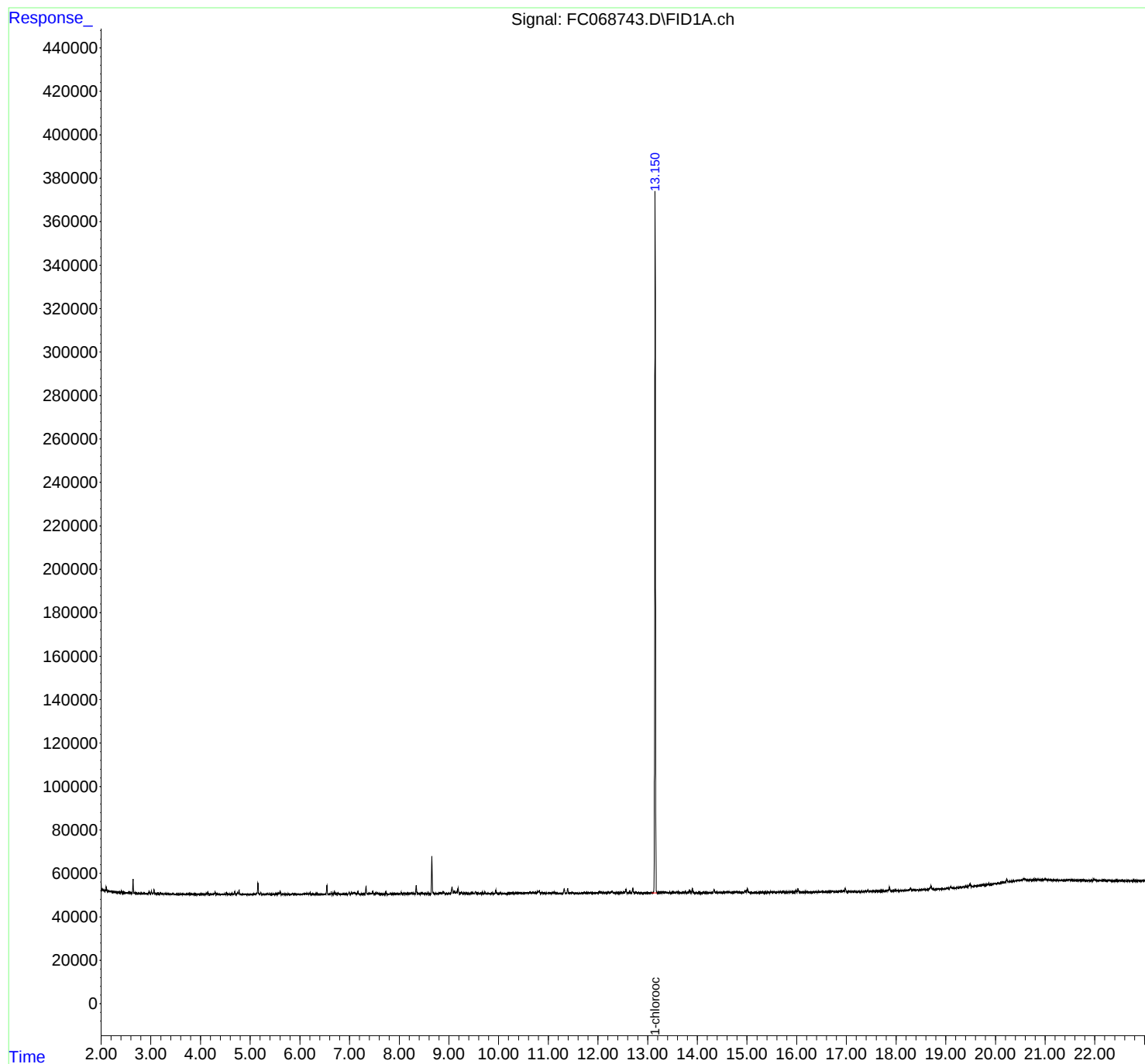
(m)=manual int.

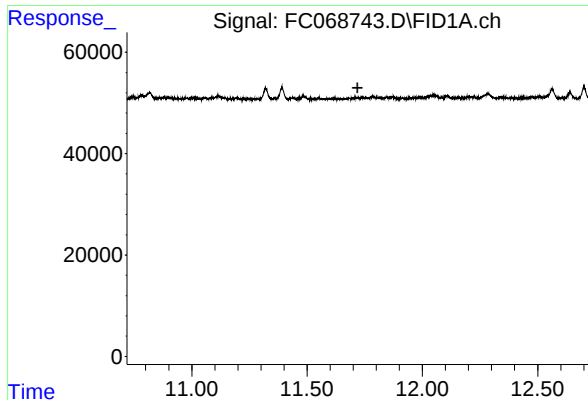
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
Data File : FC068743.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 11:36
Operator : YP/AJ
Sample : PB167840BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167840BL

Integration File: sample.E
Quant Time: May 03 00:40:01 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

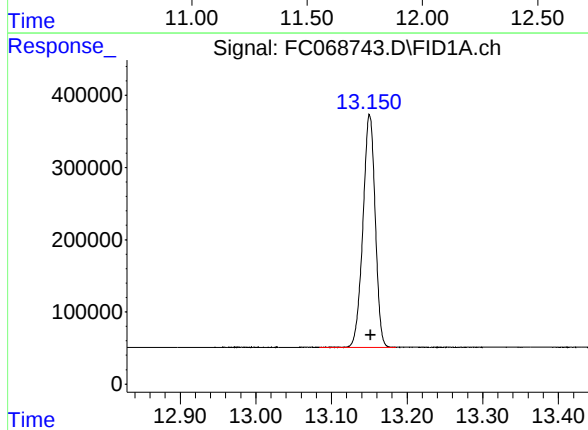




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
PB167840BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.150 min
Delta R.T.: -0.001 min
Response: 3635026
Conc: 39.13 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
 Data File : FC068743.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2025 11:36
 Sample : PB167840BL
 Misc :
 ALS Vial : 11 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	13.150	13.084	13.185	BB	322352	3635026	100.00%	100.000%
Sum of corrected areas:						3635026		

Aliphatic EPH 040925.M Sat May 03 03:25:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050225AR\
 Data File : FD049310.D
 Signal(s) : FID2B.ch
 Acq On : 02 May 2025 11:36
 Operator : YP/AJ
 Sample : PB167840BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB167840BL

Integration File: autoint1.e
 Quant Time: May 03 00:33:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 01 13:29:48 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...	7.740	6287428	53.027 ug/ml
Spiked Amount 50.000		Recovery =	106.05%
6) S 2-Fluorobiphenyl (SURR)	8.606	4025356	50.972 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	101.94%
11) S ortho-Terphenyl (SURR)	11.653	7454174	54.008 ug/ml
Spiked Amount 50.000		Recovery =	108.02%

Target Compounds

(f)=RT Delta > 1/2 Window

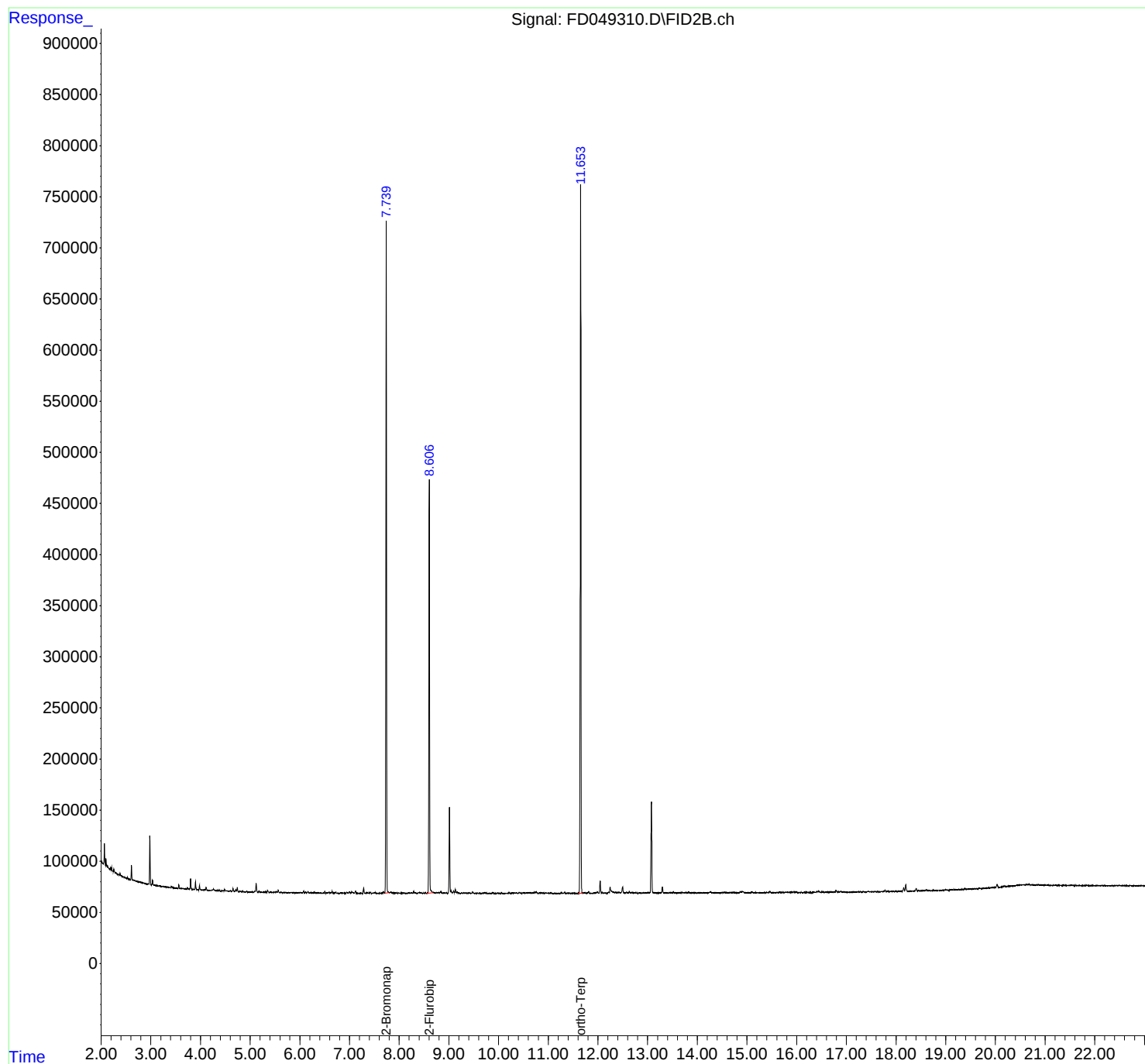
(m)=manual int.

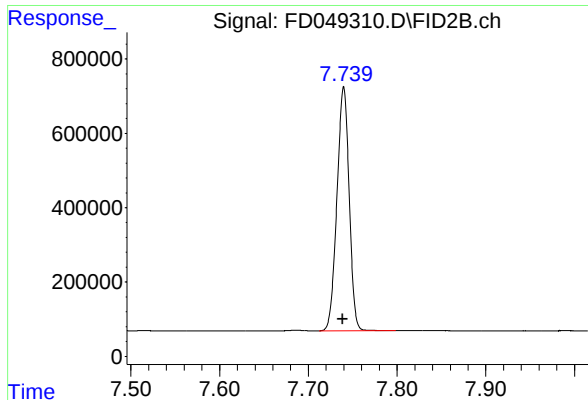
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050225AR\
Data File : FD049310.D
Signal(s) : FID2B.ch
Acq On : 02 May 2025 11:36
Operator : YP/AJ
Sample : PB167840BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB167840BL

Integration File: autoint1.e
Quant Time: May 03 00:33:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
Quant Title : GC Extractables
QLast Update : Thu May 01 13:29:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

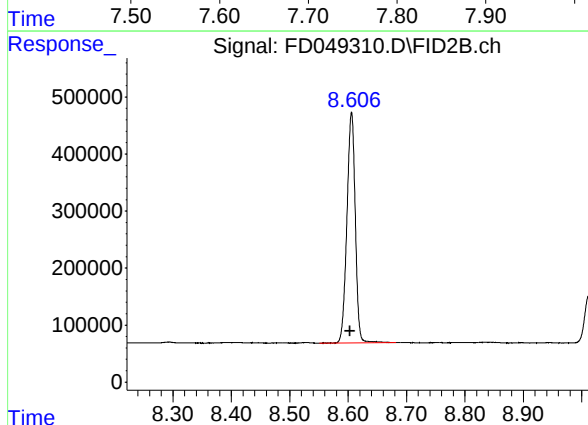




#4 2-Bromonaphthalene (SURR)

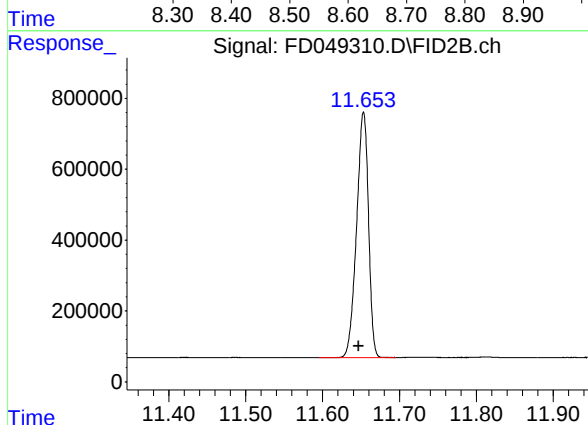
R.T.: 7.740 min
Delta R.T.: 0.001 min
Response: 6287428
Conc: 53.03 ug/ml

Instrument :
FID_D
ClientSampleId :
PB167840BL



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.606 min
Delta R.T.: 0.002 min
Response: 4025356
Conc: 50.97 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.653 min
Delta R.T.: 0.006 min
Response: 7454174
Conc: 54.01 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050225AR\
 Data File : FD049310.D
 Signal(s) : FID2B.ch
 Acq On : 02 May 2025 11:36
 Sample : PB167840BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.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	7.740	7.712	7.799	BB	657441	6287428	84.35%	35.388%
2	8.606	8.550	8.682	BB	404222	4025356	54.00%	22.656%
3	11.653	11.595	11.695	BB	693572	7454174	100.00%	41.955%
Sum of corrected areas:						17766958		

Aromatic EPH 050125.M Sat May 03 02:46:35 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
Data File : FC068792.D
Signal(s) : FID1A.ch
Acq On : 08 May 2025 12:24
Operator : YP/AJ
Sample : PB167903BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167903BL

Integration File: autoint1.e
Quant Time: May 09 09:53:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 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	3618503	45.104 ug/ml
Spiked Amount	50.000	Recovery	= 90.21%

Target Compounds

(f)=RT Delta > 1/2 Window

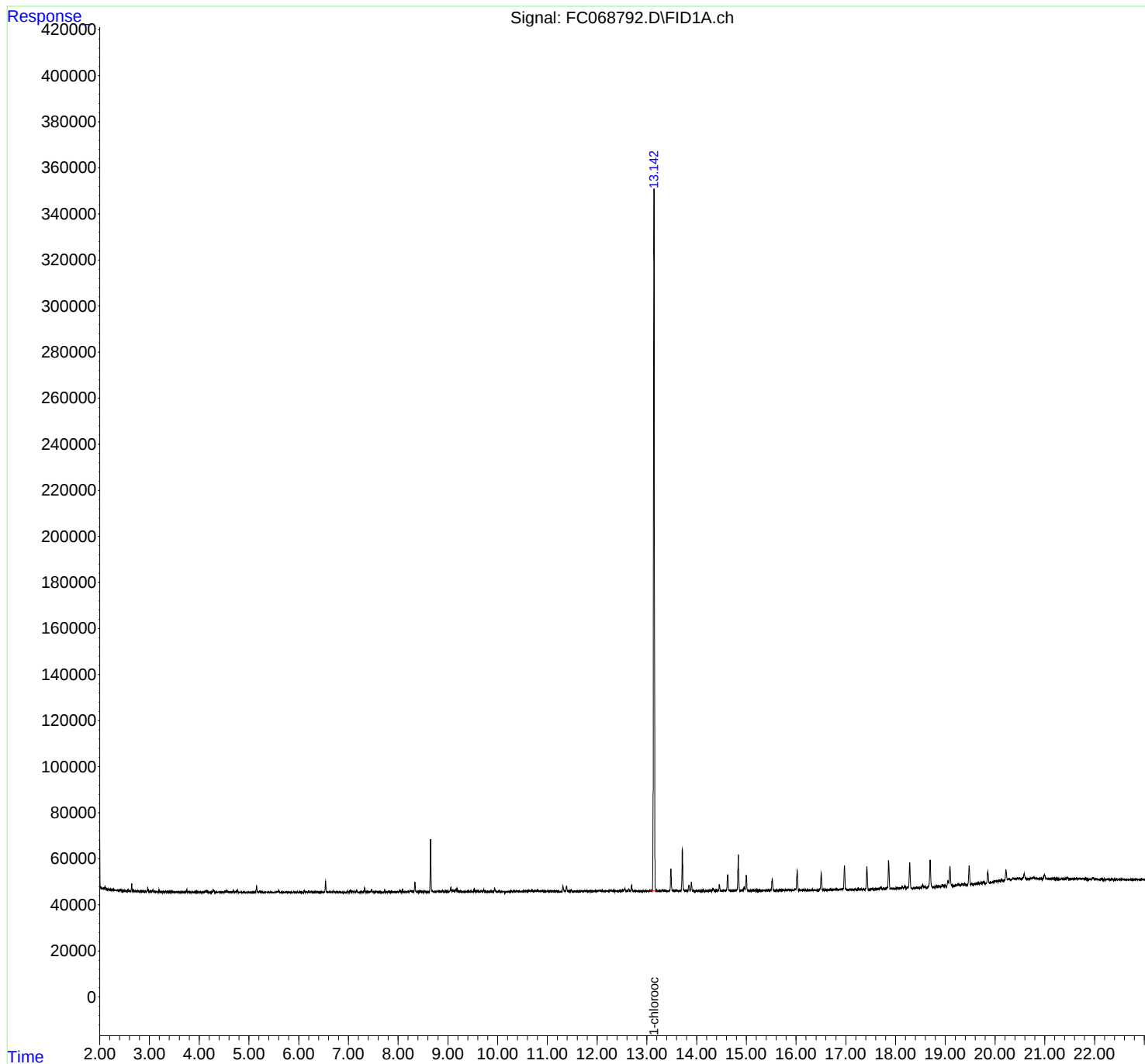
(m)=manual int.

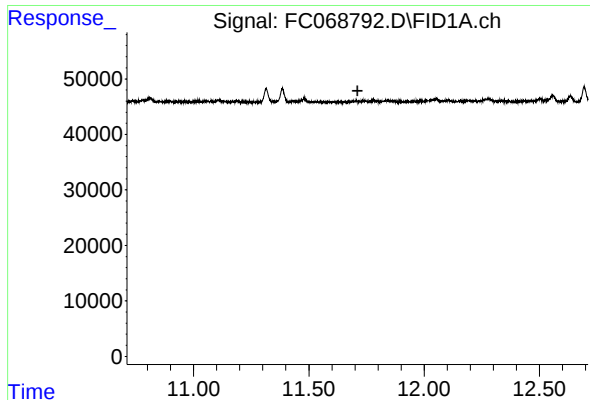
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
Data File : FC068792.D
Signal(s) : FID1A.ch
Acq On : 08 May 2025 12:24
Operator : YP/AJ
Sample : PB167903BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167903BL

Integration File: autoint1.e
Quant Time: May 09 09:53:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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

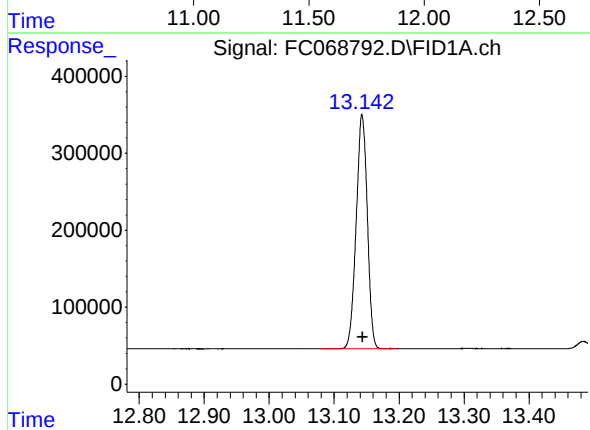




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.711 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB167903BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.143 min
Delta R.T.: 0.000 min
Response: 3618503
Conc: 45.10 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
 Data File : FC068792.D
 Signal(s) : FID1A.ch
 Acq On : 08 May 2025 12:24
 Sample : PB167903BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.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	13.077	13.195	BB	303150	3618503	100.00%	100.000%
Sum of corrected areas:						3618503		

Aliphatic EPH 050625.M Fri May 09 09:56:40 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
 Data File : FD049319.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 12:24
 Operator : YP/AJ
 Sample : PB167903BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB167903BL

Integration File: autoint1.e
 Quant Time: May 09 10:00:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 01 13:29:48 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...	7.742	7241114	61.070 ug/ml
Spiked Amount 50.000		Recovery =	122.14%
6) S 2-Fluorobiphenyl (SURR)	8.607	4558275	57.720 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	115.44%
11) S ortho-Terphenyl (SURR)	11.653	7029721	50.932 ug/ml
Spiked Amount 50.000		Recovery =	101.86%

Target Compounds

(f)=RT Delta > 1/2 Window

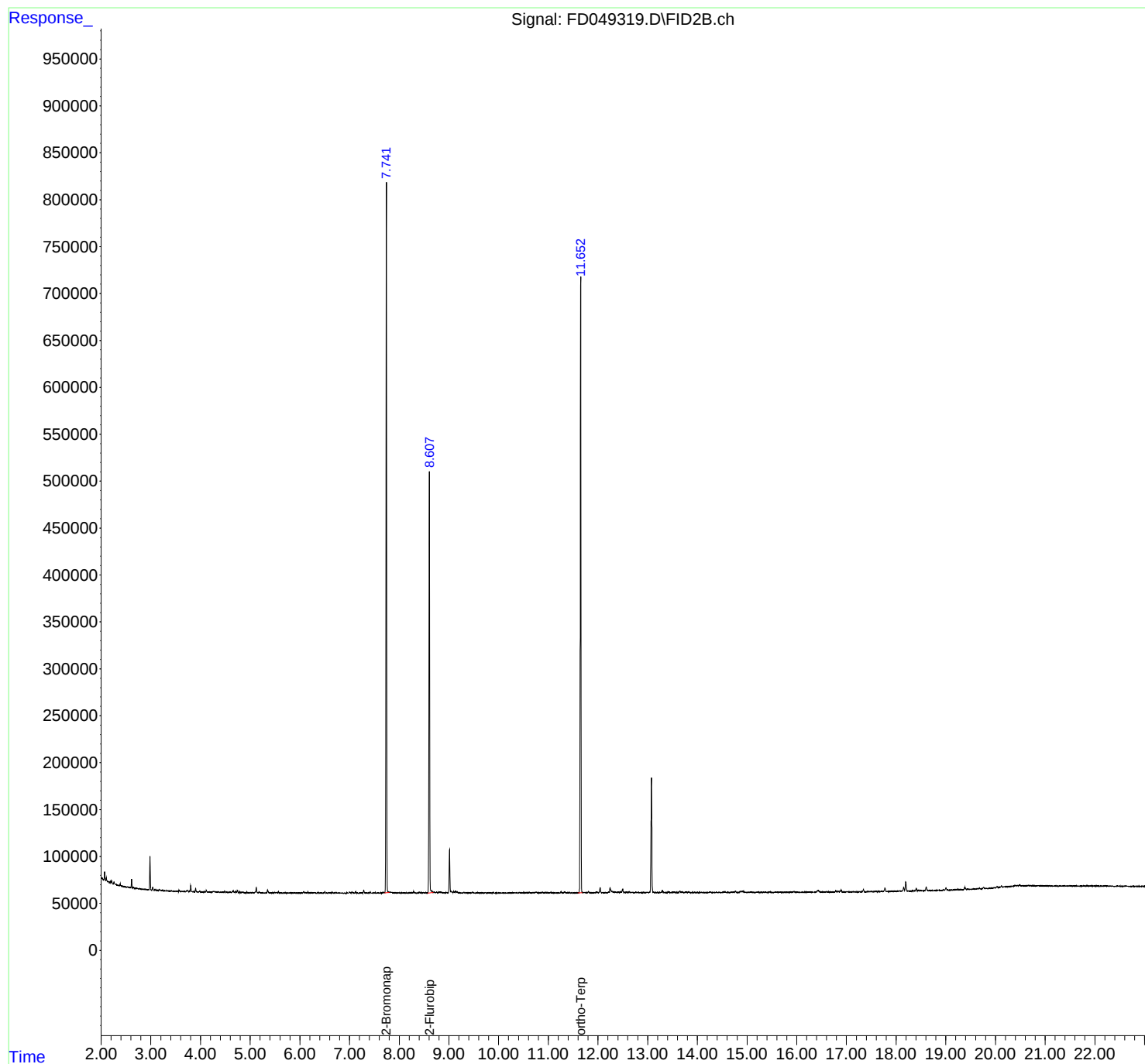
(m)=manual int.

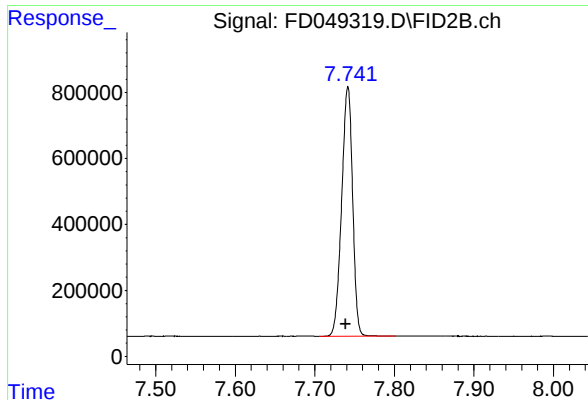
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
Data File : FD049319.D
Signal(s) : FID2B.ch
Acq On : 08 May 2025 12:24
Operator : YP/AJ
Sample : PB167903BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB167903BL

Integration File: autoint1.e
Quant Time: May 09 10:00:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
Quant Title : GC Extractables
QLast Update : Thu May 01 13:29:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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

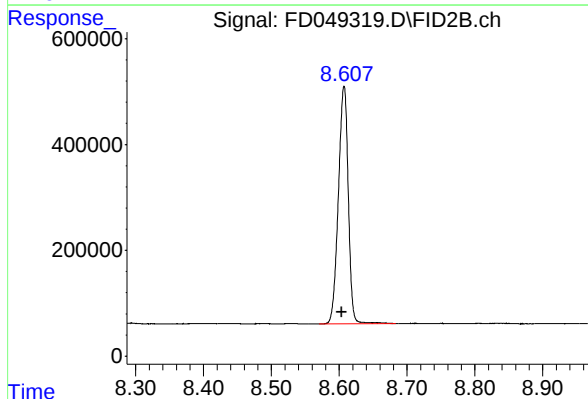




#4 2-Bromonaphthalene (SURR)

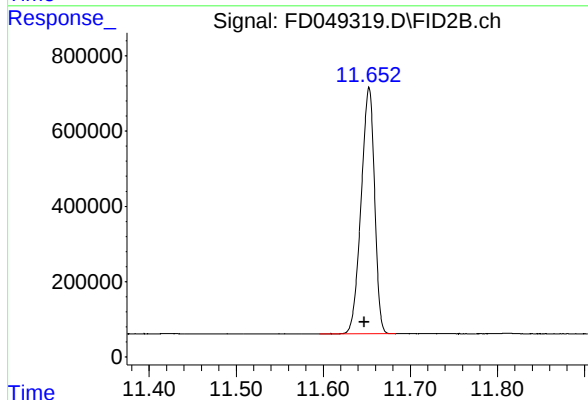
R.T.: 7.742 min
Delta R.T.: 0.003 min
Response: 7241114
Conc: 61.07 ug/ml

Instrument :
FID_D
ClientSampleId :
PB167903BL



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.607 min
Delta R.T.: 0.004 min
Response: 4558275
Conc: 57.72 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.653 min
Delta R.T.: 0.006 min
Response: 7029721
Conc: 50.93 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
 Data File : FD049319.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 12:24
 Sample : PB167903BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.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	7.742	7.705	7.802	BB	757481	7241114	100.00%	38.457%
2	8.607	8.570	8.684	BB	449432	4558275	62.95%	24.209%
3	11.653	11.595	11.684	BB	655670	7029721	97.08%	37.334%
Sum of corrected areas:							18829110	

Aromatic EPH 050125.M Fri May 09 10:04:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
 Data File : FC068744.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2025 13:26
 Operator : YP/AJ
 Sample : PB167840BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB167840BS

Integration File: sample.E
 Quant Time: May 03 00:40:18 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...	13.150	3738287	40.243 ug/ml
Spiked Amount 50.000		Recovery =	80.49%
Target Compounds			
1) T n-Nonane (C9)	3.444	2706378	25.696 ug/ml
2) T n-Decane (C10)	4.520	3309614	31.412 ug/ml
4) T n-Dodecane (C12)	6.546	3768952	35.839 ug/ml
6) T n-Tetradecane (C14)	8.344	4291565	41.745 ug/ml
7) T n-Hexadecane (C16)	9.948	4818648	47.315 ug/ml
8) T n-Octadecane (C18)	11.392	5159020	51.266 ug/ml
10) T n-Eicosane (C20)	12.704	5388595	54.784 ug/ml
11) T n-Heneicosane (C21)	13.317	5166346	53.012 ug/ml
13) T n-Docosane (C22)	13.904	5155796	53.375 ug/ml
14) T n-Tetracosane (C24)	15.007	5066549	53.229 ug/ml
15) T n-Hexacosane (C26)	16.030	4935571	52.841 ug/ml
16) T n-Octacosane (C28)	16.982	4906702	53.592 ug/ml
17) T n-Tricontane (C30)	17.871	4975874	54.126 ug/ml
18) T n-Dotriacontane (C32)	18.705	4957894	54.050 ug/ml
19) T n-Tetratriacontane (C34)	19.490	4887925	54.712 ug/ml
20) T n-Hexatriacontane (C36)	20.231	4693982	52.400 ug/ml
21) T n-Octatriacontane (C38)	21.008	4601167	52.042 ug/ml
22) T n-Tetracontane (C40)	21.991	4517606	51.159 ug/ml

(f)=RT Delta > 1/2 Window

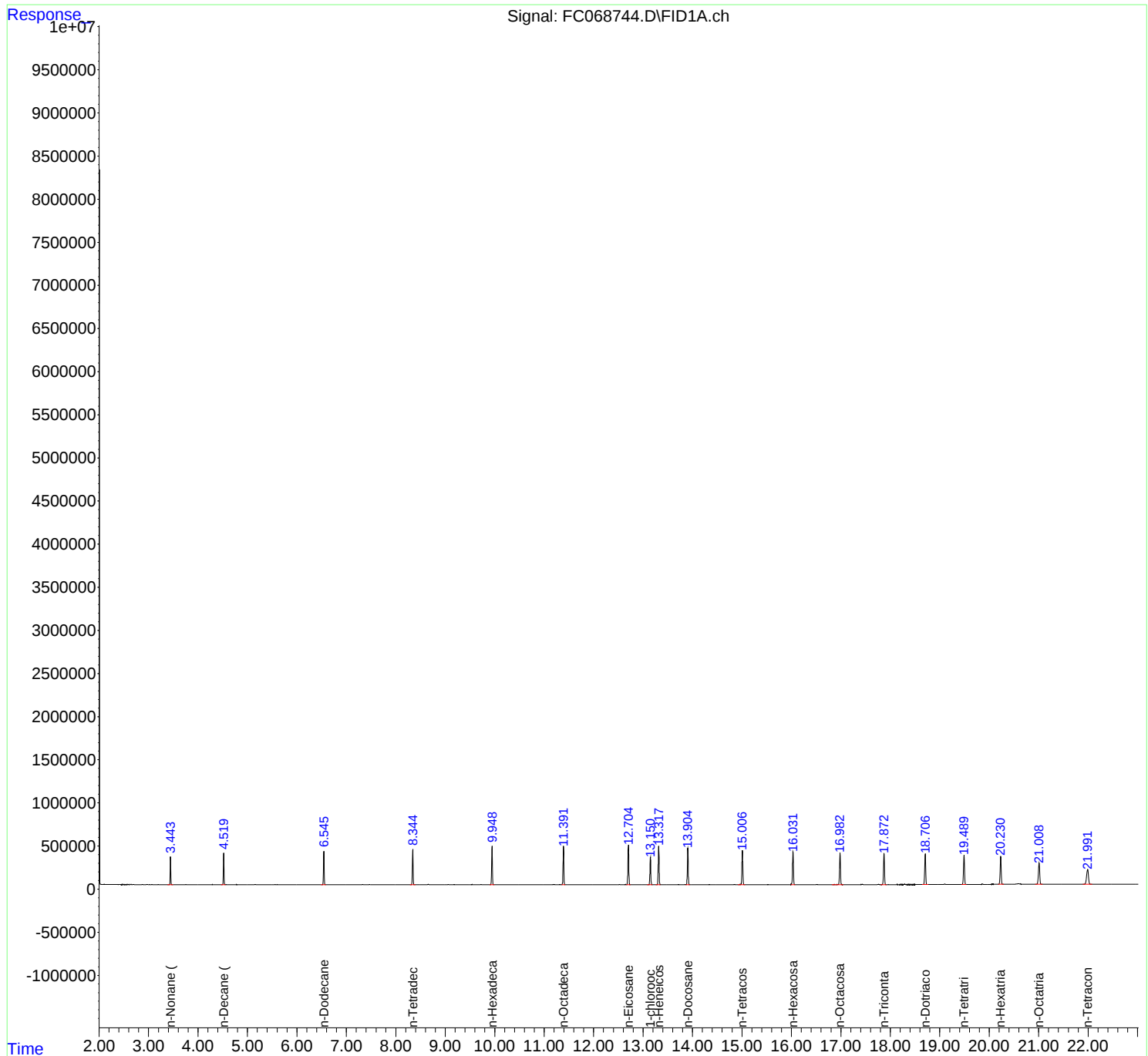
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
Data File : FC068744.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 13:26
Operator : YP/AJ
Sample : PB167840BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167840BS

Integration File: sample.E
Quant Time: May 03 00:40:18 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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
 Data File : FC068744.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2025 13:26
 Sample : PB167840BS
 Misc :
 ALS Vial : 12 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	3.383	3.495	BB	325260	2706378	50.22%	3.109%
2	4.520	4.465	4.553	BV	368176	3309614	61.42%	3.802%
3	6.546	6.483	6.583	BB	387810	3768952	69.94%	4.330%
4	8.344	8.285	8.395	BB	410299	4291565	79.64%	4.930%
5	9.948	9.900	9.995	BB	450385	4818648	89.42%	5.536%
6	11.392	11.353	11.423	BB	448540	5159020	95.74%	5.927%
7	12.704	12.663	12.748	PB	461506	5388595	100.00%	6.190%
8	13.150	13.078	13.192	BB	320529	3738287	69.37%	4.295%
9	13.317	13.257	13.348	BB	448690	5166346	95.88%	5.935%
10	13.904	13.866	13.942	VB	423580	5155796	95.68%	5.923%
11	15.007	14.918	15.063	BB	400014	5066549	94.02%	5.821%
12	16.030	15.990	16.073	BB	378841	4935571	91.59%	5.670%
13	16.982	16.818	17.052	BB	368541	4906702	91.06%	5.637%
14	17.871	17.805	17.925	BB	365360	4975874	92.34%	5.716%
15	18.705	18.642	18.767	BB	355829	4957894	92.01%	5.696%
16	19.490	19.440	19.538	BB	340475	4887925	90.71%	5.615%
17	20.231	20.180	20.293	BB	328136	4693982	87.11%	5.393%
18	21.008	20.930	21.080	BB	245102	4601167	85.39%	5.286%
19	21.991	21.892	22.080	BB	171719	4517606	83.84%	5.190%
Sum of corrected areas:							87046470	

Aliphatic EPH 040925.M Sat May 03 03:28:21 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050225AR\
 Data File : FD049311.D
 Signal(s) : FID2B.ch
 Acq On : 02 May 2025 13:26
 Operator : YP/AJ
 Sample : PB167840BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB167840BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/06/2025

Supervised By :mohammad ahmed 05/07/2025

Integration File: autoint1.e

Quant Time: May 03 00:34:05 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M

Quant Title : GC Extractables

QLast Update : Thu May 01 13:29:48 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...	7.742	7423816	62.611 ug/ml
Spiked Amount 50.000		Recovery =	125.22%
6) S 2-Fluorobiphenyl (SURR)	8.608	5176330	65.546 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	131.09%#
11) S ortho-Terphenyl (SURR)	11.654	7629284	55.276 ug/ml
Spiked Amount 50.000		Recovery =	110.55%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.532	4647787	37.225 ug/ml
2) T Naphthalene (C11.7)	6.076	5482829	41.472 ug/ml
3) T 2-Methylnaphthalene (...)	7.131	5354996	41.511 ug/ml
5) T Acenaphthylene (C15.06)	8.411	6615897	46.866 ug/ml
7) T Acenaphthene (C15.5)	8.708	7010260	51.165 ug/ml
8) T Fluorene (C16.55)	9.489	7355155	54.036 ug/ml
9) T Phenanthrene (C19.36)	10.890	7866617	58.348 ug/ml
10) T Anthracene (C19.43)	10.965	7619007	64.421 ug/ml
12) T Fluoranthene (C21.85)	12.706	8144987	60.438 ug/ml
13) T Pyrene (C20.8)	13.004	8193681	60.570 ug/ml
14) T Benzo[a]anthracene (C...	14.875	7375259	64.388 ug/ml
15) T Chrysene (C27.41)	14.920	7905755	67.736 ug/ml
16) T benzo[b]fluoranthene ...	16.428	7295841	60.104 ug/ml
17) T Bnezo[k]fluoranthene ...	16.463	7313872	61.325 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.809	6986144	60.758 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.176	7357310	67.041 ug/ml
20) T Dibenz[a,h]anthracene...	18.214	6769020	64.092 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.434	6976907	58.546 ug/ml

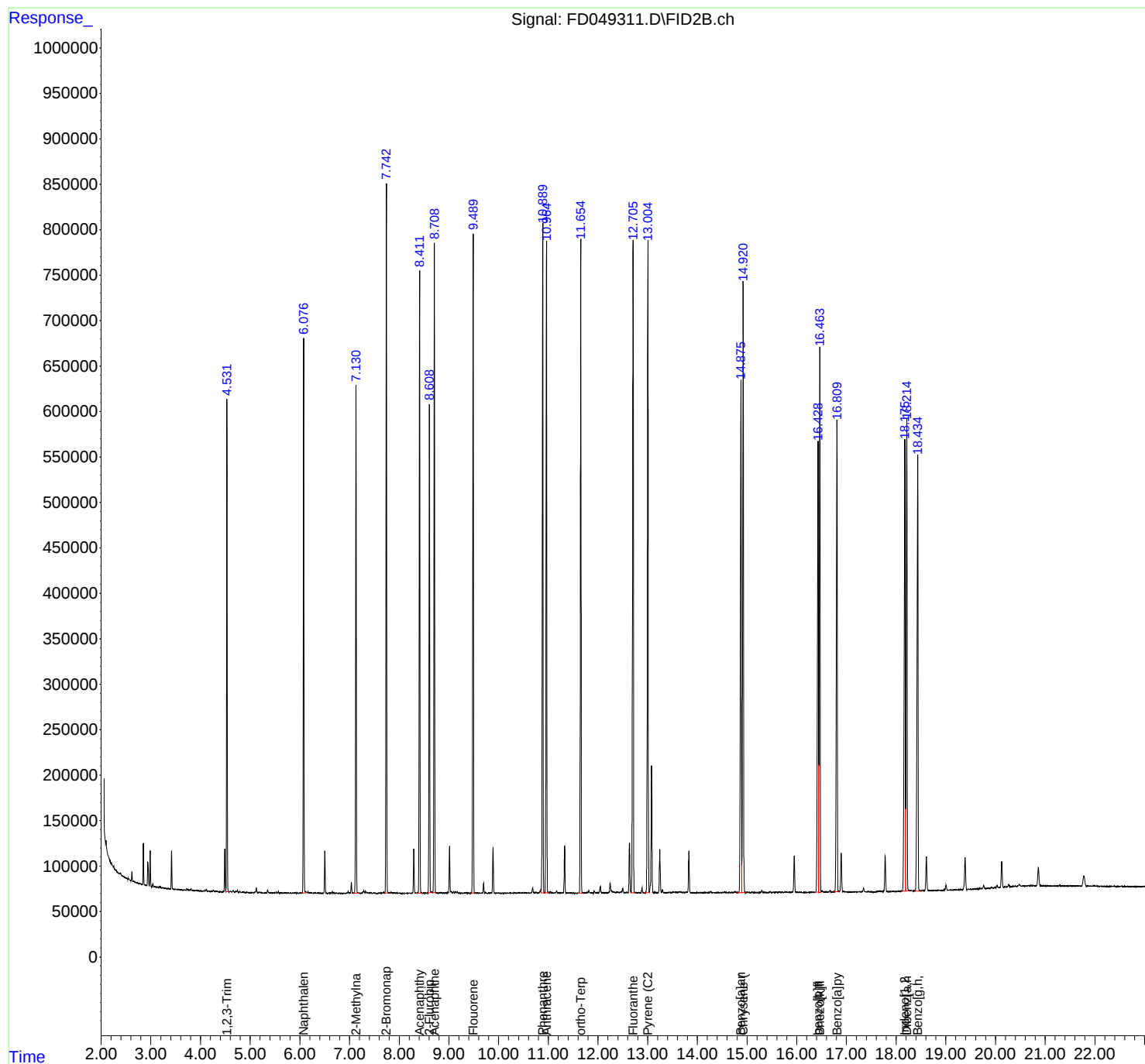
(f)=RT Delta > 1/2 Window

(m)=manual int.

Instrument :
FID_D
ClientSampleId :
PB167840BS

Reviewed By :Yogesh Patel 05/06/2025
Supervised By :mohammad ahmed 05/07/2025

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



rteres

Instrument :

FID_D

ClientSampleId :

PB167840BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/06/2025

Supervised By :mohammad ahmed 05/07/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD
 Data File : FD049311.D
 Signal(s) : FID2B.ch
 Acq On : 02 May 2025 13:26
 Sample : PB167840BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.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	4.532	4.509	4.575	VB	541876	4647787	56.72%	3.175%
2	6.076	6.040	6.145	BB	610298	5482829	66.92%	3.746%
3	7.131	7.075	7.188	BB	558242	5354996	65.36%	3.658%
4	7.742	7.708	7.790	BB	779446	7423816	90.60%	5.072%
5	8.411	8.345	8.463	BB	686134	6615897	80.74%	4.520%
6	8.608	8.557	8.650	BB	537147	5176330	63.17%	3.536%
7	8.708	8.657	8.740	BB	716016	7010260	85.56%	4.789%
8	9.489	9.428	9.523	BB	725132	7355155	89.77%	5.025%
9	10.890	10.858	10.927	VV	738999	7866617	96.01%	5.374%
10	10.965	10.927	11.012	VB	717771	7619007	92.99%	5.205%
11	11.654	11.593	11.702	BB	718392	7629284	93.11%	5.212%
12	12.706	12.666	12.752	VB	714885	8144987	99.41%	5.564%
13	13.004	12.923	13.030	BV	718518	8193681	100.00%	5.598%
14	14.875	14.793	14.894	PV	562337	7375259	90.01%	5.039%
15	14.920	14.894	14.973	VB	672223	7905755	96.49%	5.401%
16	16.428	16.358	16.442	BV	496308	7295841	89.04%	4.984%
17	16.463	16.442	16.490	VV	598769	7223286	88.16%	4.935%
18	16.809	16.743	16.842	BV	519573	6986144	85.26%	4.773%
19	18.176	18.110	18.190	BV	497114	7357310	89.79%	5.026%
20	18.214	18.190	18.263	VB	519727	6735475	82.20%	4.601%
21	18.434	18.370	18.497	BB	479391	6976907	85.15%	4.766%
Sum of corrected areas:						146376621		

Aromatic EPH 050125.M Sat May 03 02:47:38 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
 Data File : FC068793.D
 Signal(s) : FID1A.ch
 Acq On : 08 May 2025 13:01
 Operator : YP/AJ
 Sample : PB167903BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB167903BS

Integration File: autoint1.e
 Quant Time: May 09 09:53:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 Qlast Update : Wed May 07 08:52:03 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	3505588	43.696 ug/ml
Spiked Amount 50.000		Recovery =	87.39%
Target Compounds			
1) T n-Nonane (C9)	3.442	2549322	25.346 ug/ml
2) T n-Decane (C10)	4.518	3105498	31.167 ug/ml
4) T n-Dodecane (C12)	6.543	3536486	36.392 ug/ml
6) T n-Tetradecane (C14)	8.341	4025244	43.552 ug/ml
7) T n-Hexadecane (C16)	9.944	4491009	50.154 ug/ml
8) T n-Octadecane (C18)	11.388	4808139	54.814 ug/ml
10) T n-Eicosane (C20)	12.699	5054034	59.307 ug/ml
11) T n-Heneicosane (C21)	13.312	4875456	57.804 ug/ml
13) T n-Docosane (C22)	13.899	4890977	58.464 ug/ml
14) T n-Tetracosane (C24)	15.002	4855513	58.355 ug/ml
15) T n-Hexacosane (C26)	16.025	4796571	57.892 ug/ml
16) T n-Octacosane (C28)	16.975	4779183	57.827 ug/ml
17) T n-Tricontane (C30)	17.865	4861309	57.454 ug/ml
18) T n-Dotriacontane (C32)	18.698	4843353	56.229 ug/ml
19) T n-Tetratriacontane (C34)	19.482	4766438	55.944 ug/ml
20) T n-Hexatriacontane (C36)	20.223	4538759	52.808 ug/ml
21) T n-Octatriacontane (C38)	20.997	4392982	52.370 ug/ml
22) T n-Tetracontane (C40)	21.976	4192290	51.153 ug/ml

(f)=RT Delta > 1/2 Window

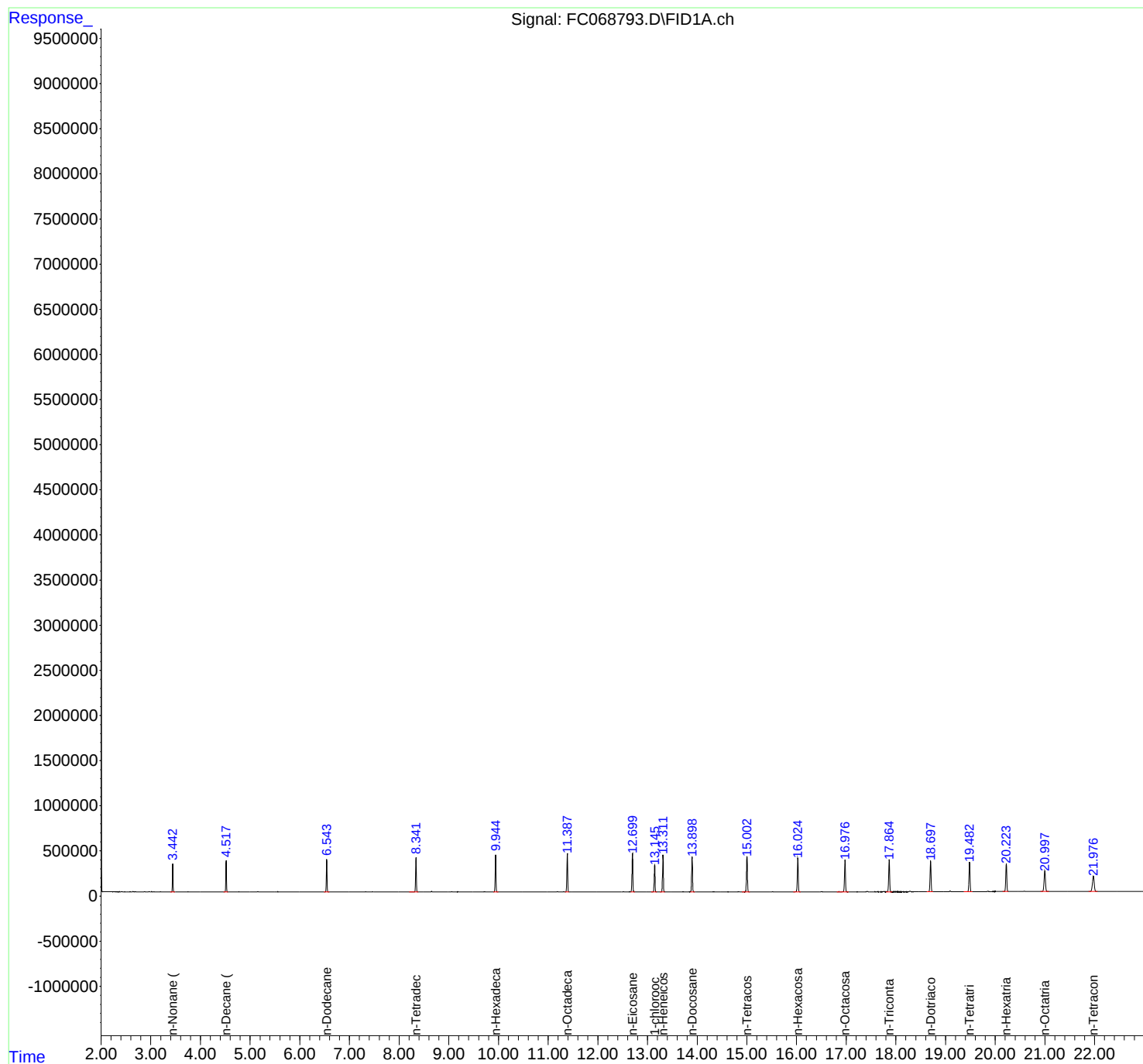
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
Data File : FC068793.D
Signal(s) : FID1A.ch
Acq On : 08 May 2025 13:01
Operator : YP/AJ
Sample : PB167903BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167903BS

Integration File: autoint1.e
Quant Time: May 09 09:53:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 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\FC050825AL\
 Data File : FC068793.D
 Signal(s) : FID1A.ch
 Acq On : 08 May 2025 13:01
 Sample : PB167903BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.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	3.442	3.392	3.485	BB	312183	2549322	50.44%	3.076%
2	4.518	4.464	4.552	BV	345727	3105498	61.45%	3.748%
3	6.543	6.487	6.592	BB	361573	3536486	69.97%	4.268%
4	8.341	8.199	8.387	BB	382447	4025244	79.64%	4.857%
5	9.944	9.897	9.995	BB	410982	4491009	88.86%	5.419%
6	11.388	11.340	11.419	BB	425025	4808139	95.13%	5.802%
7	12.699	12.660	12.747	PB	427156	5054034	100.00%	6.099%
8	13.145	13.074	13.189	BB	298893	3505588	69.36%	4.230%
9	13.312	13.250	13.350	BB	411023	4875456	96.47%	5.883%
10	13.899	13.862	13.950	VB	390119	4890977	96.77%	5.902%
11	15.002	14.902	15.062	BB	389261	4855513	96.07%	5.859%
12	16.025	15.934	16.082	BB	375239	4796571	94.91%	5.788%
13	16.975	16.809	17.052	BB	355725	4779183	94.56%	5.767%
14	17.865	17.797	17.927	BB	359525	4861309	96.19%	5.866%
15	18.698	18.622	18.747	BB	342087	4843353	95.83%	5.845%
16	19.482	19.364	19.537	BB	326984	4766438	94.31%	5.752%
17	20.223	20.150	20.262	BB	305027	4538759	89.80%	5.477%
18	20.997	20.912	21.080	BB	226109	4392982	86.92%	5.301%
19	21.976	21.879	22.060	BB	169936	4192290	82.95%	5.059%
Sum of corrected areas:						82868151		

Aliphatic EPH 050625.M Fri May 09 09:57:12 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
 Data File : FD049320.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 13:01
 Operator : YP/AJ
 Sample : PB167903BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB167903BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/09/2025

Supervised By :mohammad ahmed 05/12/2025

Integration File: autoint1.e

Quant Time: May 09 10:00:36 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M

Quant Title : GC Extractables

QLast Update : Thu May 01 13:29:48 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...	7.742	7300671	61.573 ug/ml
Spiked Amount 50.000		Recovery =	123.15%
6) S 2-Fluorobiphenyl (SURR)	8.608	5006396	63.394 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	126.79%
11) S ortho-Terphenyl (SURR)	11.652	7262675	52.620 ug/ml
Spiked Amount 50.000		Recovery =	105.24%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.532	4653200	37.268 ug/ml
2) T Naphthalene (C11.7)	6.076	5436927	41.125 ug/ml
3) T 2-Methylnaphthalene (...)	7.131	5271228	40.861 ug/ml
5) T Acenaphthylene (C15.06)	8.411	6432919	45.570 ug/ml
7) T Acenaphthene (C15.5)	8.708	6813172	49.726 ug/ml
8) T Fluorene (C16.55)	9.489	7029682	51.645 ug/ml
9) T Phenanthrene (C19.36)	10.888	7432716	55.130 ug/ml
10) T Anthracene (C19.43)	10.964	7069170	59.772 ug/ml
12) T Fluoranthene (C21.85)	12.703	7761429	57.592 ug/ml
13) T Pyrene (C20.8)	13.002	7831116	57.890 ug/ml
14) T Benzo[a]anthracene (C...	14.873	7009293	61.193 ug/ml
15) T Chrysene (C27.41)	14.919	7558306	64.760 ug/ml
16) T benzo[b]fluoranthene ...	16.426	7083541	58.355 ug/ml
17) T Bnezo[k]fluoranthene ...	16.462	6938447	58.177 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.807	6738028	58.600 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.173	7007004	63.849 ug/ml
20) T Dibenz[a,h]anthracene...	18.212	6302568	59.675 ug/ml
21) T Benzo[g,h,i]perylene ...	18.432	6691597	56.152 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
Data File : FD049320.D
Signal(s) : FID2B.ch
Acq On : 08 May 2025 13:01
Operator : YP/AJ
Sample : PB167903BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB167903BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/09/2025

Supervised By :mohammad ahmed 05/12/2025

Integration File: autoint1.e

Quant Time: May 09 10:00:36 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M

Quant Title : GC Extractables

QLast Update : Thu May 01 13:29:48 2025

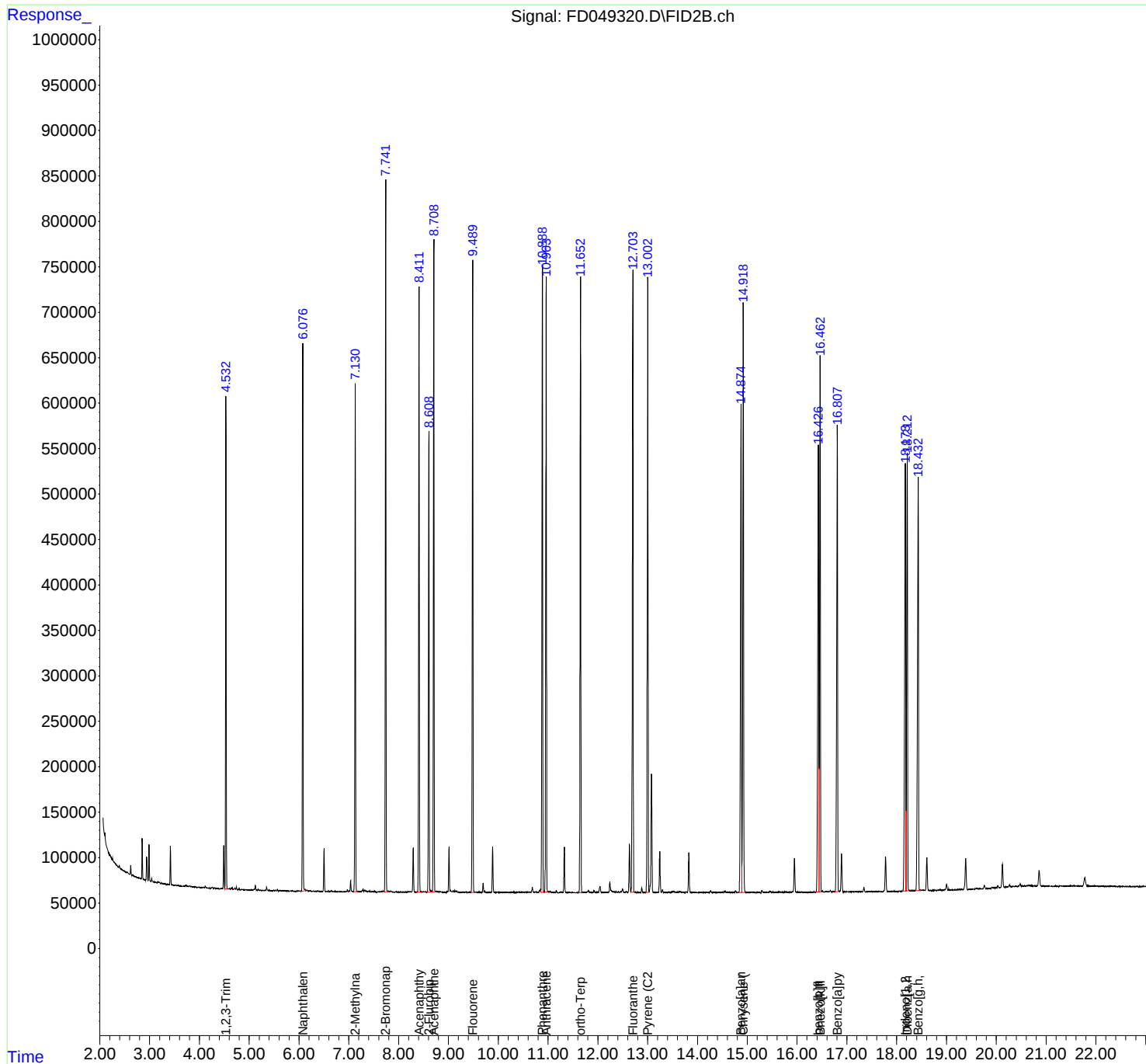
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rteres

Instrument :

FID_D

ClientSampleId :

PB167903BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/09/2025

Supervised By :mohammad ahmed 05/12/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD05082

Data File : FD049320.D

Signal(s) : FID2B.ch

Acq On : 08 May 2025 13:01

Sample : PB167903BS

Misc :

ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.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	4.532	4.510	4.565	VB	542380	4653200	59.42%	3.308%
2	6.076	6.040	6.150	BB	602534	5436927	69.43%	3.865%
3	7.131	7.082	7.187	BB	558072	5271228	67.31%	3.747%
4	7.742	7.709	7.804	BB	784122	7300671	93.23%	5.190%
5	8.411	8.349	8.470	BB	664332	6432919	82.15%	4.573%
6	8.608	8.554	8.675	BV	508037	5006396	63.93%	3.559%
7	8.708	8.675	8.750	VB	716224	6813172	87.00%	4.843%
8	9.489	9.432	9.537	BB	694646	7029682	89.77%	4.997%
9	10.888	10.857	10.929	VV	690908	7432716	94.91%	5.283%
10	10.964	10.929	11.009	PB	677545	7069170	90.27%	5.025%
11	11.652	11.595	11.699	BB	676840	7262675	92.74%	5.163%
12	12.703	12.663	12.747	VB	685002	7761429	99.11%	5.517%
13	13.002	12.939	13.028	BV	674952	7831116	100.00%	5.567%
14	14.873	14.799	14.892	BV	537213	7009293	89.51%	4.983%
15	14.919	14.892	14.975	VB	649035	7558306	96.52%	5.373%
16	16.426	16.379	16.441	BV	486448	7083541	90.45%	5.035%
17	16.462	16.441	16.492	VV	589354	6986520	89.21%	4.966%
18	16.807	16.735	16.835	BB	513363	6738028	86.04%	4.790%
19	18.173	18.110	18.187	BV	470593	7007004	89.48%	4.981%
20	18.212	18.187	18.265	VB	479599	6302568	80.48%	4.480%
21	18.432	18.370	18.485	BB	455383	6691597	85.45%	4.757%
Sum of corrected areas:						140678158		

Aromatic EPH 050125.M Fri May 09 10:05:50 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
 Data File : FC068745.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2025 14:03
 Operator : YP/AJ
 Sample : PB167840BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB167840BSD

Integration File: sample.E
 Quant Time: May 03 00:40:44 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	3593465	38.684 ug/ml
Spiked Amount 50.000		Recovery =	77.37%
Target Compounds			
1) T n-Nonane (C9)	3.444	2664664	25.300 ug/ml
2) T n-Decane (C10)	4.520	3256140	30.905 ug/ml
4) T n-Dodecane (C12)	6.546	3694008	35.126 ug/ml
6) T n-Tetradecane (C14)	8.344	4176380	40.625 ug/ml
7) T n-Hexadecane (C16)	9.948	4665713	45.814 ug/ml
8) T n-Octadecane (C18)	11.391	4987279	49.559 ug/ml
10) T n-Eicosane (C20)	12.704	5216792	53.038 ug/ml
11) T n-Heneicosane (C21)	13.317	5011441	51.422 ug/ml
13) T n-Docosane (C22)	13.903	5009971	51.866 ug/ml
14) T n-Tetracosane (C24)	15.009	4949042	51.994 ug/ml
15) T n-Hexacosane (C26)	16.030	4854519	51.973 ug/ml
16) T n-Octacosane (C28)	16.981	4866637	53.154 ug/ml
17) T n-Tricontane (C30)	17.871	4965921	54.017 ug/ml
18) T n-Dotriacontane (C32)	18.705	4965135	54.129 ug/ml
19) T n-Tetratriacontane (C34)	19.490	4904730	54.900 ug/ml
20) T n-Hexatriacontane (C36)	20.232	4698493	52.451 ug/ml
21) T n-Octatriacontane (C38)	21.007	4599951	52.028 ug/ml
22) T n-Tetracontane (C40)	21.986	4508416	51.054 ug/ml

(f)=RT Delta > 1/2 Window

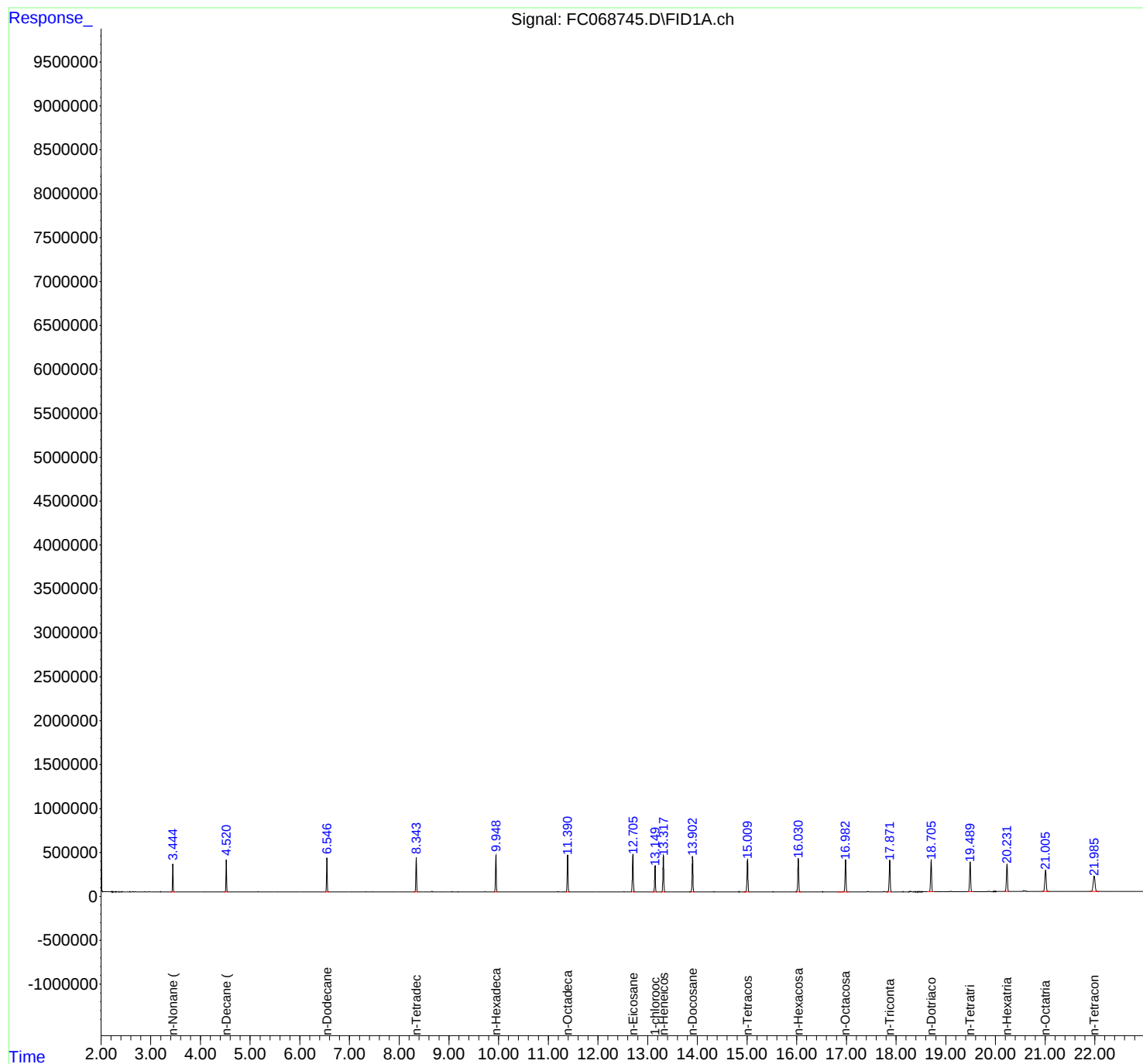
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
Data File : FC068745.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 14:03
Operator : YP/AJ
Sample : PB167840BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167840BSD

Integration File: sample.E
Quant Time: May 03 00:40:44 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\FC050225AL\
 Data File : FC068745.D
 Signal(s) : FID1A.ch
 Acq On : 02 May 2025 14:03
 Sample : PB167840BSD
 Misc :
 ALS Vial : 13 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	3.395	3.483	BB	317770	2664664	51.08%	3.113%
2	4.520	4.465	4.555	BV	366710	3256140	62.42%	3.804%
3	6.546	6.492	6.592	BB	386734	3694008	70.81%	4.316%
4	8.344	8.287	8.383	BB	392991	4176380	80.06%	4.880%
5	9.948	9.900	9.985	BB	419293	4665713	89.44%	5.451%
6	11.391	11.355	11.427	BB	422322	4987279	95.60%	5.827%
7	12.704	12.663	12.748	PB	423030	5216792	100.00%	6.095%
8	13.150	13.092	13.183	BB	300740	3593465	68.88%	4.199%
9	13.317	13.255	13.362	BB	413720	5011441	96.06%	5.855%
10	13.903	13.867	13.940	VB	405025	5009971	96.04%	5.854%
11	15.009	14.917	15.050	BB	376627	4949042	94.87%	5.782%
12	16.030	15.990	16.092	BB	379894	4854519	93.06%	5.672%
13	16.981	16.818	17.045	BB	369300	4866637	93.29%	5.686%
14	17.871	17.805	17.922	BB	359482	4965921	95.19%	5.802%
15	18.705	18.628	18.768	BB	367944	4965135	95.18%	5.801%
16	19.490	19.440	19.547	BB	338410	4904730	94.02%	5.731%
17	20.232	20.180	20.270	BB	313714	4698493	90.06%	5.490%
18	21.007	20.925	21.087	BB	240227	4599951	88.18%	5.374%
19	21.986	21.893	22.087	BB	175457	4508416	86.42%	5.268%
Sum of corrected areas:						85588696		

Aliphatic EPH 040925.M Sat May 03 03:29:04 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050225AR\
 Data File : FD049312.D
 Signal(s) : FID2B.ch
 Acq On : 02 May 2025 14:03
 Operator : YP/AJ
 Sample : PB167840BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB167840BSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/06/2025

Supervised By :mohammad ahmed 05/07/2025

Integration File: autoint1.e

Quant Time: May 03 00:34:29 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M

Quant Title : GC Extractables

QLast Update : Thu May 01 13:29:48 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...	7.742	7685443	64.818 ug/ml
Spiked Amount 50.000		Recovery =	129.64%
6) S 2-Fluorobiphenyl (SURR)	8.608	5373602	68.044 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	136.09%#
11) S ortho-Terphenyl (SURR)	11.653	7914730	57.345 ug/ml
Spiked Amount 50.000		Recovery =	114.69%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.532	4816213	38.574 ug/ml
2) T Naphthalene (C11.7)	6.076	5686388	43.012 ug/ml
3) T 2-Methylnaphthalene (...)	7.131	5542370	42.963 ug/ml
5) T Acenaphthylene (C15.06)	8.411	6847445	48.507 ug/ml
7) T Acenaphthene (C15.5)	8.708	7245753	52.884 ug/ml
8) T Fluorene (C16.55)	9.489	7626291	56.028 ug/ml
9) T Phenanthrene (C19.36)	10.889	8205734	60.863 ug/ml
10) T Anthracene (C19.43)	10.965	8007053	67.702 ug/ml
12) T Fluoranthene (C21.85)	12.705	8528804	63.286 ug/ml
13) T Pyrene (C20.8)	13.005	8580870	63.433 ug/ml
14) T Benzo[a]anthracene (C...	14.876	7790539	68.013 ug/ml
15) T Chrysene (C27.41)	14.922	8344622	71.497 ug/ml
16) T benzo[b]fluoranthene ...	16.429	7669576	63.183 ug/ml
17) T Bnezo[k]fluoranthene ...	16.465	7644071	64.094 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.809	7349729	63.920 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.177	7708525	70.241 ug/ml
20) T Dibenz[a,h]anthracene...	18.215	7102723	67.251 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.435	7302115	61.275 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050225AR\
Data File : FD049312.D
Signal(s) : FID2B.ch
Acq On : 02 May 2025 14:03
Operator : YP/AJ
Sample : PB167840BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB167840BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/06/2025

Supervised By :mohammad ahmed 05/07/2025

Integration File: autoint1.e

Quant Time: May 03 00:34:29 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M

Quant Title : GC Extractables

QLast Update : Thu May 01 13:29:48 2025

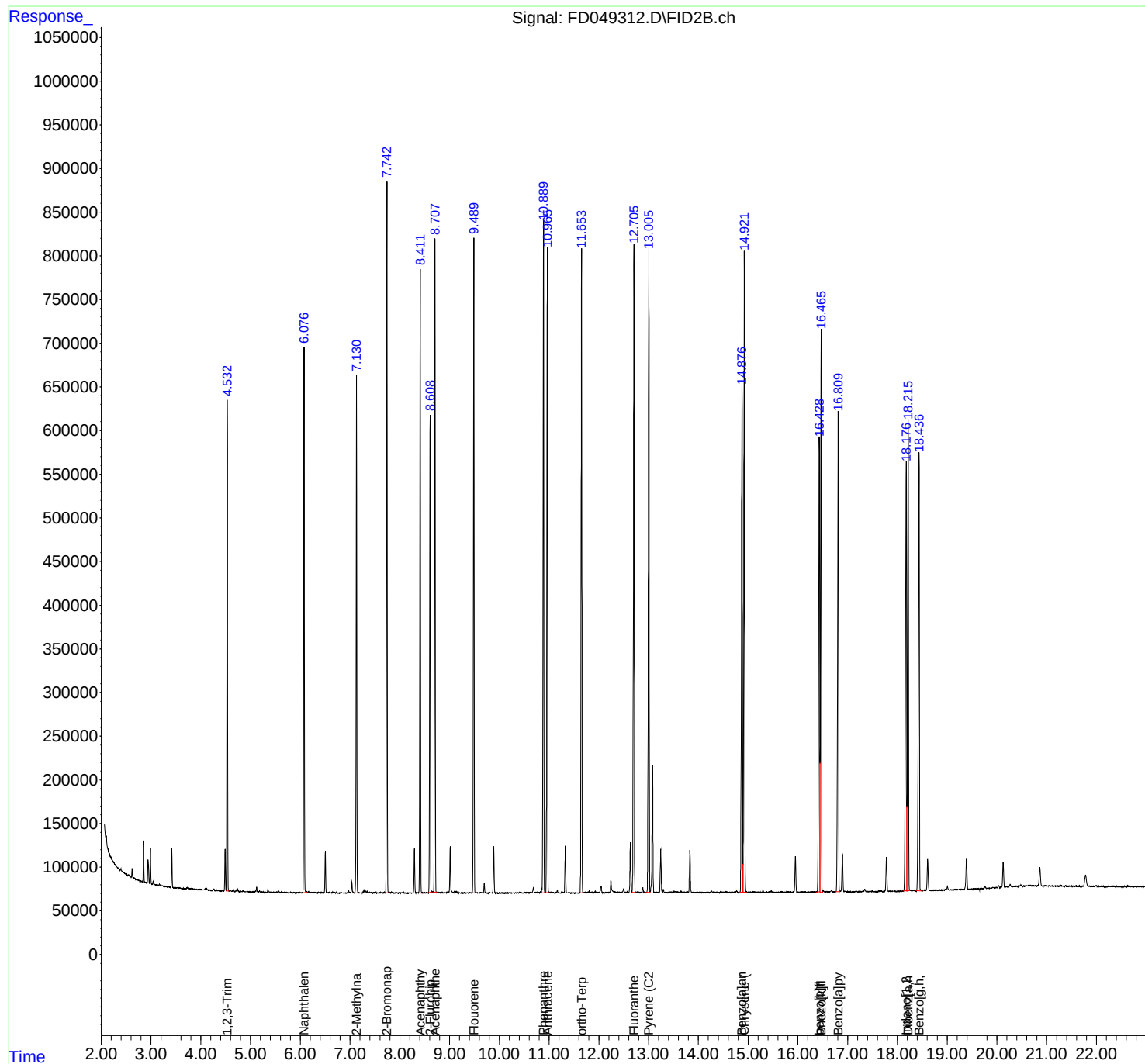
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



Instrument :

FID_D

ClientSampleId :

PB167840BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD

Data File : FD049312.D

Signal(s) : FID2B.ch

Acq On : 02 May 2025 14:03

Sample : PB167840BSD

Misc :

ALS Vial : 63 Sample Multiplier: 1

Reviewed By :Yogesh Patel 05/06/2025

Supervised By :mohammad ahmed 05/07/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.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	4.532	4.509	4.572	VB	562011	4816213	56.13%	3.150%
2	6.076	6.040	6.142	BB	623673	5686388	66.27%	3.719%
3	7.131	7.077	7.183	BB	590776	5542370	64.59%	3.625%
4	7.742	7.710	7.783	BB	812593	7685443	89.56%	5.026%
5	8.411	8.350	8.467	BB	714716	6847445	79.80%	4.478%
6	8.608	8.552	8.657	BB	546538	5373602	62.62%	3.514%
7	8.708	8.658	8.747	BB	749215	7245753	84.44%	4.739%
8	9.489	9.428	9.522	BB	749265	7626291	88.88%	4.988%
9	10.889	10.857	10.923	VV	772310	8205734	95.63%	5.367%
10	10.965	10.923	11.012	VB	738683	8007053	93.31%	5.237%
11	11.653	11.592	11.695	BB	738593	7914730	92.24%	5.176%
12	12.705	12.663	12.740	VB	741721	8528804	99.39%	5.578%
13	13.005	12.937	13.028	BV	737054	8580870	100.00%	5.612%
14	14.876	14.805	14.895	BV	581118	7790539	90.79%	5.095%
15	14.922	14.895	14.970	VB	734845	8344622	97.25%	5.458%
16	16.429	16.363	16.444	BV	520928	7669576	89.38%	5.016%
17	16.465	16.444	16.488	VV	645108	7597319	88.54%	4.969%
18	16.809	16.740	16.840	BV	551558	7349729	85.65%	4.807%
19	18.177	18.110	18.191	BV	492069	7708525	89.83%	5.042%
20	18.215	18.191	18.277	VB	539032	7075686	82.46%	4.628%
21	18.435	18.370	18.497	BV	502369	7302115	85.10%	4.776%
Sum of corrected areas:						152898808		

Aromatic EPH 050125.M Sat May 03 02:48:56 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
 Data File : FC068794.D
 Signal(s) : FID1A.ch
 Acq On : 08 May 2025 13:38
 Operator : YP/AJ
 Sample : PB167903BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB167903BSD

Integration File: autoint1.e
 Quant Time: May 09 09:53:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 Qlast Update : Wed May 07 08:52:03 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	3590079	44.750 ug/ml
Spiked Amount 50.000		Recovery =	89.50%
Target Compounds			
1) T n-Nonane (C9)	3.443	2647696	26.324 ug/ml
2) T n-Decane (C10)	4.518	3237196	32.488 ug/ml
4) T n-Dodecane (C12)	6.543	3691655	37.989 ug/ml
6) T n-Tetradecane (C14)	8.341	4194991	45.388 ug/ml
7) T n-Hexadecane (C16)	9.945	4692854	52.408 ug/ml
8) T n-Octadecane (C18)	11.388	5017128	57.196 ug/ml
10) T n-Eicosane (C20)	12.699	5259189	61.714 ug/ml
11) T n-Heneicosane (C21)	13.311	5057612	59.963 ug/ml
13) T n-Docosane (C22)	13.898	5061922	60.507 ug/ml
14) T n-Tetracosane (C24)	15.002	4996084	60.044 ug/ml
15) T n-Hexacosane (C26)	16.024	4919234	59.373 ug/ml
16) T n-Octacosane (C28)	16.976	4878813	59.033 ug/ml
17) T n-Tricontane (C30)	17.863	4961087	58.633 ug/ml
18) T n-Dotriacontane (C32)	18.697	4939966	57.351 ug/ml
19) T n-Tetratriacontane (C34)	19.482	4864425	57.094 ug/ml
20) T n-Hexatriacontane (C36)	20.224	4652516	54.131 ug/ml
21) T n-Octatriacontane (C38)	20.998	4530376	54.008 ug/ml
22) T n-Tetracontane (C40)	21.977	4388059	53.542 ug/ml

(f)=RT Delta > 1/2 Window

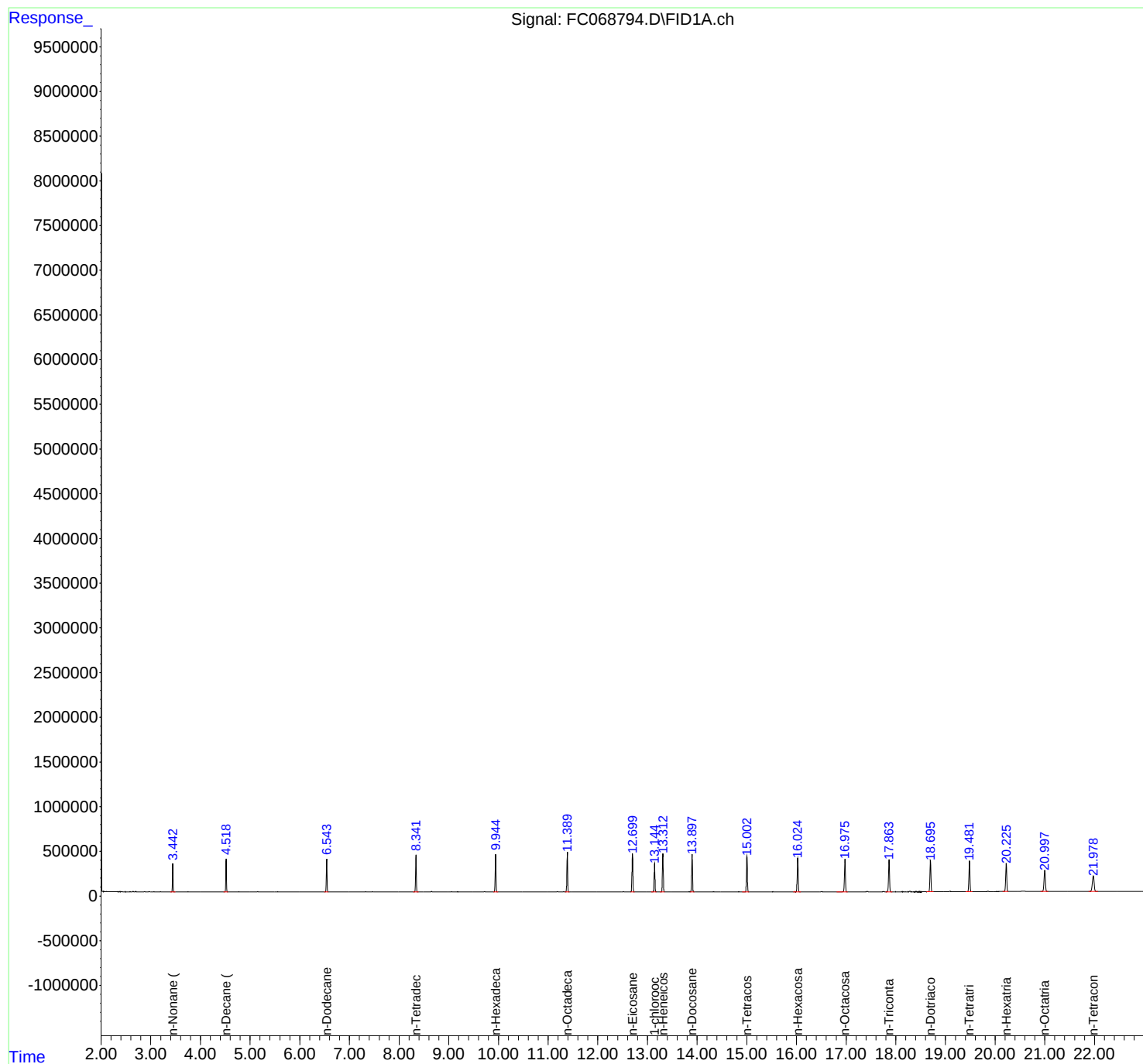
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
Data File : FC068794.D
Signal(s) : FID1A.ch
Acq On : 08 May 2025 13:38
Operator : YP/AJ
Sample : PB167903BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167903BSD

Integration File: autoint1.e
Quant Time: May 09 09:53:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 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\FC050825AL\
 Data File : FC068794.D
 Signal(s) : FID1A.ch
 Acq On : 08 May 2025 13:38
 Sample : PB167903BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.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	3.443	3.392	3.498	BB	318073	2647696	50.34%	3.094%
2	4.518	4.463	4.553	BV	370990	3237196	61.55%	3.783%
3	6.543	6.488	6.577	BB	370695	3691655	70.19%	4.314%
4	8.341	8.282	8.392	BB	412976	4194991	79.76%	4.902%
5	9.945	9.897	9.993	BB	419549	4692854	89.23%	5.484%
6	11.388	11.340	11.428	BB	444647	5017128	95.40%	5.862%
7	12.699	12.662	12.743	PB	428781	5259189	100.00%	6.145%
8	13.145	13.073	13.182	BB	319605	3590079	68.26%	4.195%
9	13.311	13.252	13.347	BB	430450	5057612	96.17%	5.910%
10	13.898	13.860	13.943	VB	420424	5061922	96.25%	5.915%
11	15.002	14.908	15.045	BB	401676	4996084	95.00%	5.838%
12	16.024	15.933	16.087	BB	376136	4919234	93.54%	5.748%
13	16.976	16.807	17.033	BB	365410	4878813	92.77%	5.701%
14	17.863	17.797	17.930	BB	360231	4961087	94.33%	5.797%
15	18.697	18.617	18.760	BB	350476	4939966	93.93%	5.772%
16	19.482	19.405	19.542	BB	343392	4864425	92.49%	5.684%
17	20.224	20.150	20.267	BB	312716	4652516	88.46%	5.436%
18	20.998	20.913	21.067	BB	236854	4530376	86.14%	5.294%
19	21.977	21.882	22.072	BB	173441	4388059	83.44%	5.127%
Sum of corrected areas:						85580880		

Aliphatic EPH 050625.M Fri May 09 09:57:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
 Data File : FD049321.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 13:38
 Operator : YP/AJ
 Sample : PB167903BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB167903BSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/09/2025

Supervised By :mohammad ahmed 05/12/2025

Integration File: autoint1.e

Quant Time: May 09 10:00:57 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M

Quant Title : GC Extractables

QLast Update : Thu May 01 13:29:48 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...	7.742	7630584	64.355 ug/ml
Spiked Amount 50.000		Recovery =	128.71%
6) S 2-Fluorobiphenyl (SURR)	8.609	5211926	65.997 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	131.99%#
11) S ortho-Terphenyl (SURR)	11.653	7520284	54.487 ug/ml
Spiked Amount 50.000		Recovery =	108.97%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.532	4868583	38.993 ug/ml
2) T Naphthalene (C11.7)	6.076	5684283	42.996 ug/ml
3) T 2-Methylnaphthalene (...)	7.131	5511990	42.728 ug/ml
5) T Acenaphthylene (C15.06)	8.411	6708573	47.523 ug/ml
7) T Acenaphthene (C15.5)	8.709	7095143	51.784 ug/ml
8) T Flouorene (C16.55)	9.489	7350269	54.000 ug/ml
9) T Phenanthrene (C19.36)	10.889	7743726	57.437 ug/ml
10) T Anthracene (C19.43)	10.964	7447842	62.974 ug/ml
12) T Fluoranthene (C21.85)	12.704	7999797	59.361 ug/ml
13) T Pyrene (C20.8)	13.003	8056891	59.559 ug/ml
14) T Benzo[a]anthracene (C...	14.874	7291465	63.656 ug/ml
15) T Chrysene (C27.41)	14.920	7835154	67.132 ug/ml
16) T benzo[b]fluoranthene ...	16.427	7351712	60.565 ug/ml
17) T Bnezo[k]fluoranthene ...	16.462	7266682	60.930 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.808	7006479	60.934 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.175	7393154	67.368 ug/ml
20) T Dibenz[a,h]anthracene...	18.214	6726835	63.692 ug/ml
21) T Benzo[g,h,i]perylene ...	18.433	6994367	58.692 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
Data File : FD049321.D
Signal(s) : FID2B.ch
Acq On : 08 May 2025 13:38
Operator : YP/AJ
Sample : PB167903BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB167903BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/09/2025

Supervised By :mohammad ahmed 05/12/2025

Integration File: autoint1.e

Quant Time: May 09 10:00:57 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M

Quant Title : GC Extractables

QLast Update : Thu May 01 13:29:48 2025

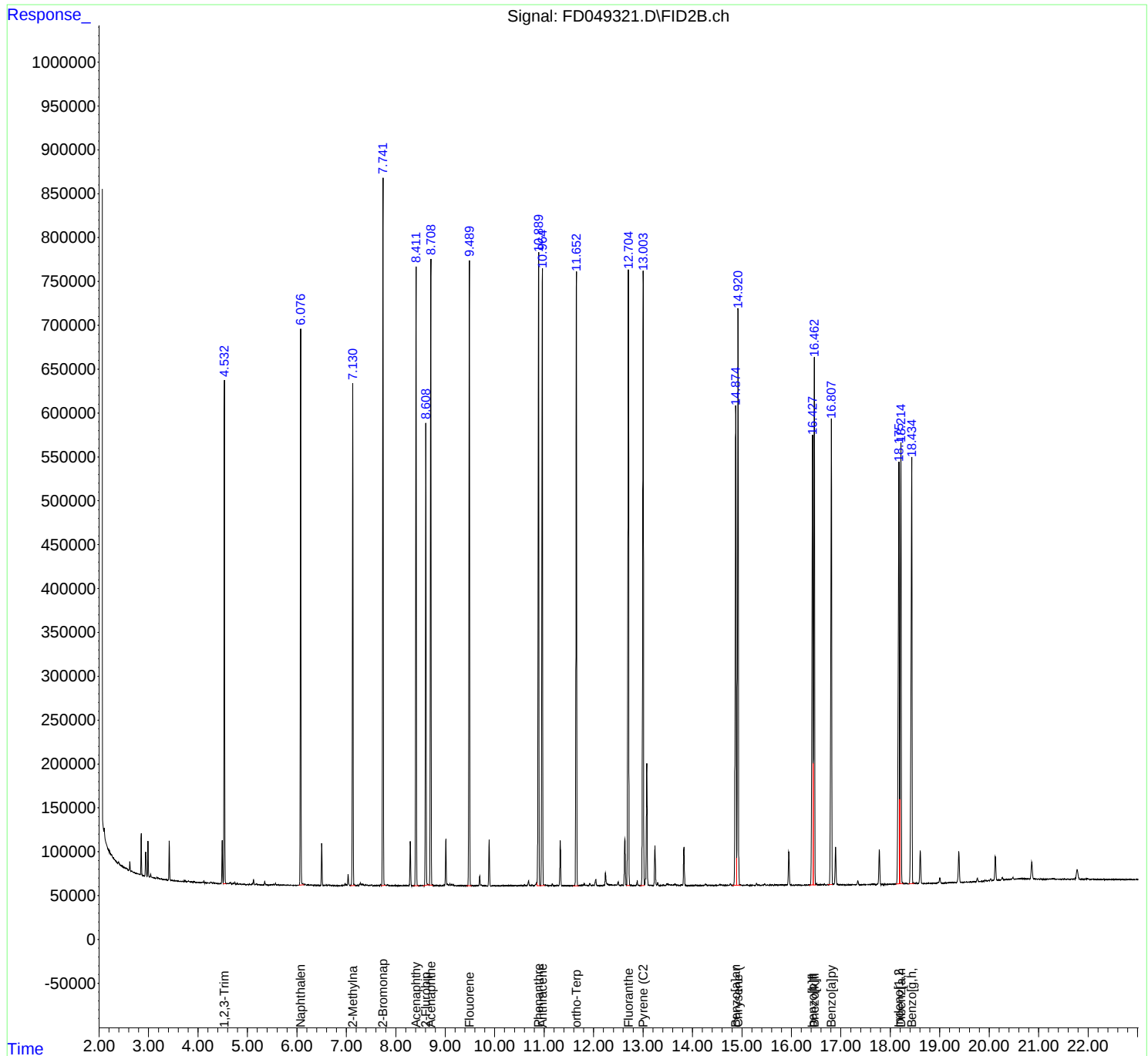
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rteres

Instrument :

FID_D

ClientSampleId :

PB167903BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/09/2025

Supervised By :mohammad ahmed 05/12/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD05082
 Data File : FD049321.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 13:38
 Sample : PB167903BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.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	4.532	4.510	4.572	VB	573296	4868583	60.43%	3.319%
2	6.076	6.040	6.147	BB	633731	5684283	70.55%	3.875%
3	7.131	7.082	7.178	BB	573249	5511990	68.41%	3.758%
4	7.742	7.708	7.795	BB	807128	7630584	94.71%	5.202%
5	8.411	8.345	8.468	BB	707501	6708573	83.27%	4.574%
6	8.609	8.552	8.662	BB	526862	5211926	64.69%	3.553%
7	8.709	8.662	8.747	BB	713781	7095143	88.06%	4.837%
8	9.489	9.432	9.535	BB	708712	7350269	91.23%	5.011%
9	10.889	10.857	10.925	VV	719886	7743726	96.11%	5.279%
10	10.964	10.925	11.013	PB	703035	7447842	92.44%	5.078%
11	11.653	11.583	11.697	BB	699428	7520284	93.34%	5.127%
12	12.704	12.660	12.733	VV	697832	7999797	99.29%	5.454%
13	13.003	12.938	13.028	BV	703865	8056891	100.00%	5.493%
14	14.874	14.808	14.893	BV	546529	7291465	90.50%	4.971%
15	14.920	14.893	14.970	VB	656987	7835154	97.25%	5.342%
16	16.427	16.357	16.442	BV	512325	7351712	91.25%	5.012%
17	16.463	16.442	16.490	VV	601548	7247365	89.95%	4.941%
18	16.808	16.735	16.834	BB	529859	7006479	86.96%	4.777%
19	18.175	18.110	18.189	BV	481844	7393154	91.76%	5.040%
20	18.214	18.189	18.265	VB	499331	6726835	83.49%	4.586%
21	18.433	18.370	18.488	BB	486053	6994367	86.81%	4.769%
Sum of corrected areas:						146676421		

Aromatic EPH 050125.M Fri May 09 10:07:10 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
 Data File : FC068804.D
 Signal(s) : FID1A.ch
 Acq On : 08 May 2025 21:04
 Operator : YP/AJ
 Sample : Q1901-04MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 B-167-SB02MS

A
B
C
D
E
F
G
H
I
J

Integration File: autoint1.e
 Quant Time: May 09 09:09:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 QLast Update : Wed May 07 08:52:03 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	2776379	34.607 ug/ml
Spiked Amount 50.000		Recovery =	69.21%
Target Compounds			
1) T n-Nonane (C9)	3.442	1999885	19.883 ug/ml
2) T n-Decane (C10)	4.517	2502691	25.117 ug/ml
4) T n-Dodecane (C12)	6.543	2907225	29.917 ug/ml
6) T n-Tetradecane (C14)	8.340	3201915	34.643 ug/ml
7) T n-Hexadecane (C16)	9.943	3341592	37.318 ug/ml
8) T n-Octadecane (C18)	11.386	3386639	38.608 ug/ml
10) T n-Eicosane (C20)	12.697	3458165	40.580 ug/ml
11) T n-Heneicosane (C21)	13.310	3300762	39.134 ug/ml
13) T n-Docosane (C22)	13.896	3287092	39.292 ug/ml
14) T n-Tetracosane (C24)	15.000	3238083	38.916 ug/ml
15) T n-Hexacosane (C26)	16.022	3181156	38.395 ug/ml
16) T n-Octacosane (C28)	16.972	3138886	37.980 ug/ml
17) T n-Tricontane (C30)	17.862	3171460	37.482 ug/ml
18) T n-Dotriacontane (C32)	18.696	3133769	36.382 ug/ml
19) T n-Tetratriacontane (C34)	19.479	3070454	36.038 ug/ml
20) T n-Hexatriacontane (C36)	20.219	2910154	33.859 ug/ml
21) T n-Octatriacontane (C38)	20.993	2794773	33.317 ug/ml
22) T n-Tetracontane (C40)	21.968	2662824	32.491 ug/ml

(f)=RT Delta > 1/2 Window

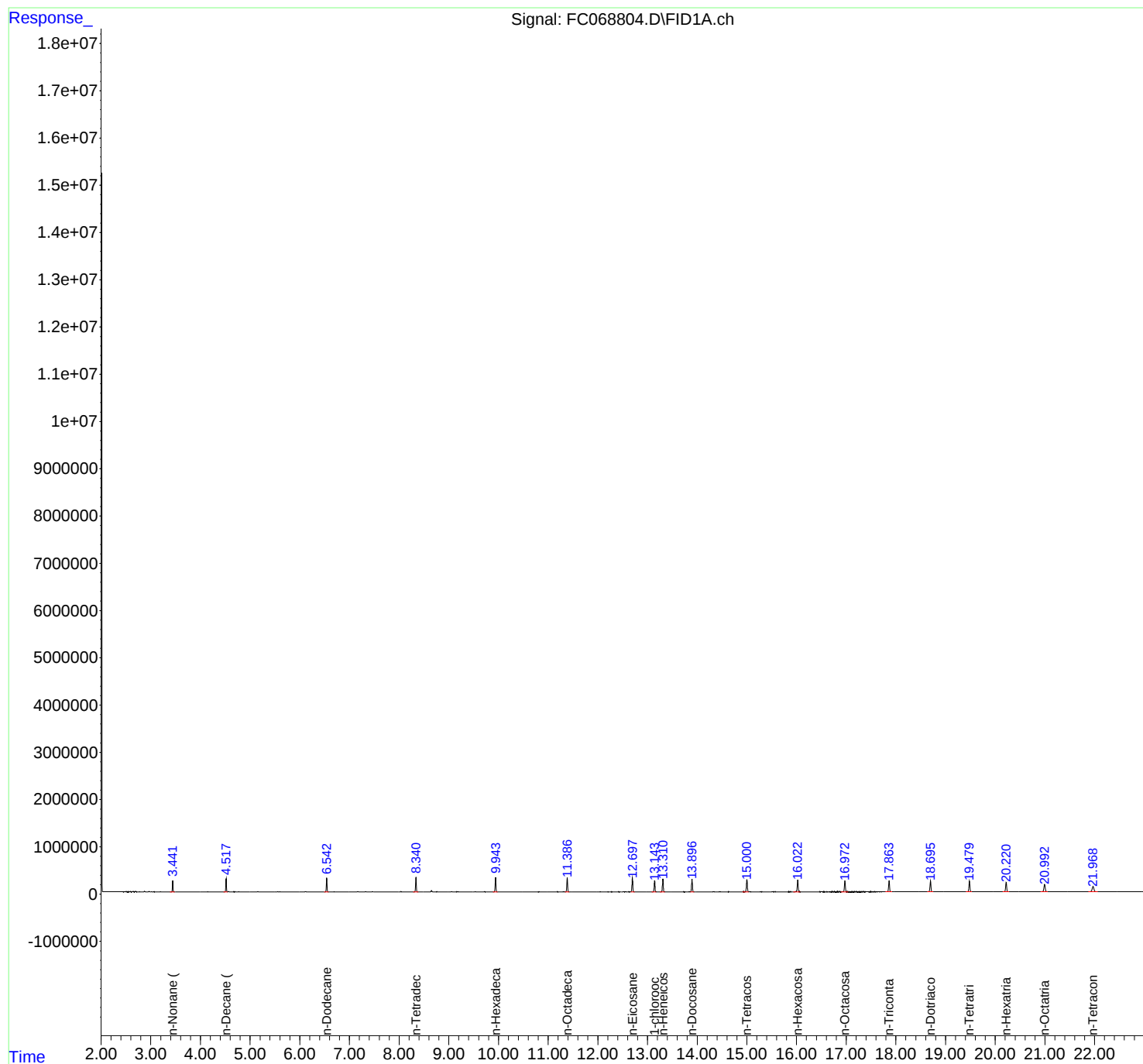
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
Data File : FC068804.D
Signal(s) : FID1A.ch
Acq On : 08 May 2025 21:04
Operator : YP/AJ
Sample : Q1901-04MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-167-SB02MS

Integration File: autoint1.e
Quant Time: May 09 09:09:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 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\FC050825AL\
 Data File : FC068804.D
 Signal(s) : FID1A.ch
 Acq On : 08 May 2025 21:04
 Sample : Q1901-04MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.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	3.442	3.388	3.483	BB	240793	1999885	57.83%	3.451%
2	4.517	4.463	4.544	BV	283795	2502691	72.37%	4.318%
3	4.563	4.544	4.583	VB	11447	97302	2.81%	0.168%
4	6.115	6.067	6.138	BB	5717	53293	1.54%	0.092%
5	6.543	6.490	6.580	BB	295351	2907225	84.07%	5.016%
6	8.340	8.278	8.385	BB	312956	3201915	92.59%	5.525%
7	8.653	8.515	8.702	BB	28819	289165	8.36%	0.499%
8	9.943	9.885	9.982	BB	309101	3341592	96.63%	5.766%
9	11.386	11.340	11.422	BB	301037	3386639	97.93%	5.843%
10	12.697	12.663	12.740	BB	296462	3458165	100.00%	5.967%
11	13.143	13.083	13.175	BB	235951	2776379	80.28%	4.790%
12	13.310	13.248	13.350	BB	277244	3300762	95.45%	5.695%
13	13.896	13.860	13.938	PB	264720	3287092	95.05%	5.672%
14	15.000	14.912	15.035	BV	254430	3238083	93.64%	5.587%
15	16.022	15.932	16.075	BB	254057	3181156	91.99%	5.489%
16	16.972	16.888	17.038	BB	236460	3138886	90.77%	5.416%
17	17.422	17.372	17.467	BB	4066	53475	1.55%	0.092%
18	17.862	17.790	17.923	BB	235777	3171460	91.71%	5.472%
19	18.696	18.630	18.752	BB	230557	3133769	90.62%	5.407%
20	19.479	19.408	19.528	BB	227164	3070454	88.79%	5.298%
21	20.219	20.150	20.280	BB	201193	2910154	84.15%	5.021%
22	20.993	20.910	21.055	BB	148380	2794773	80.82%	4.822%
23	21.968	21.872	22.063	BB	106891	2662824	77.00%	4.594%
Sum of corrected areas:						57957138		

Aliphatic EPH 050625.M Fri May 09 09:38:10 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
 Data File : FD049330.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 20:25
 Operator : YP/AJ
 Sample : Q1901-04MS
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-167-SB02MS

Integration File: autoint1.e
 Quant Time: May 09 09:21:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 01 13:29:48 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

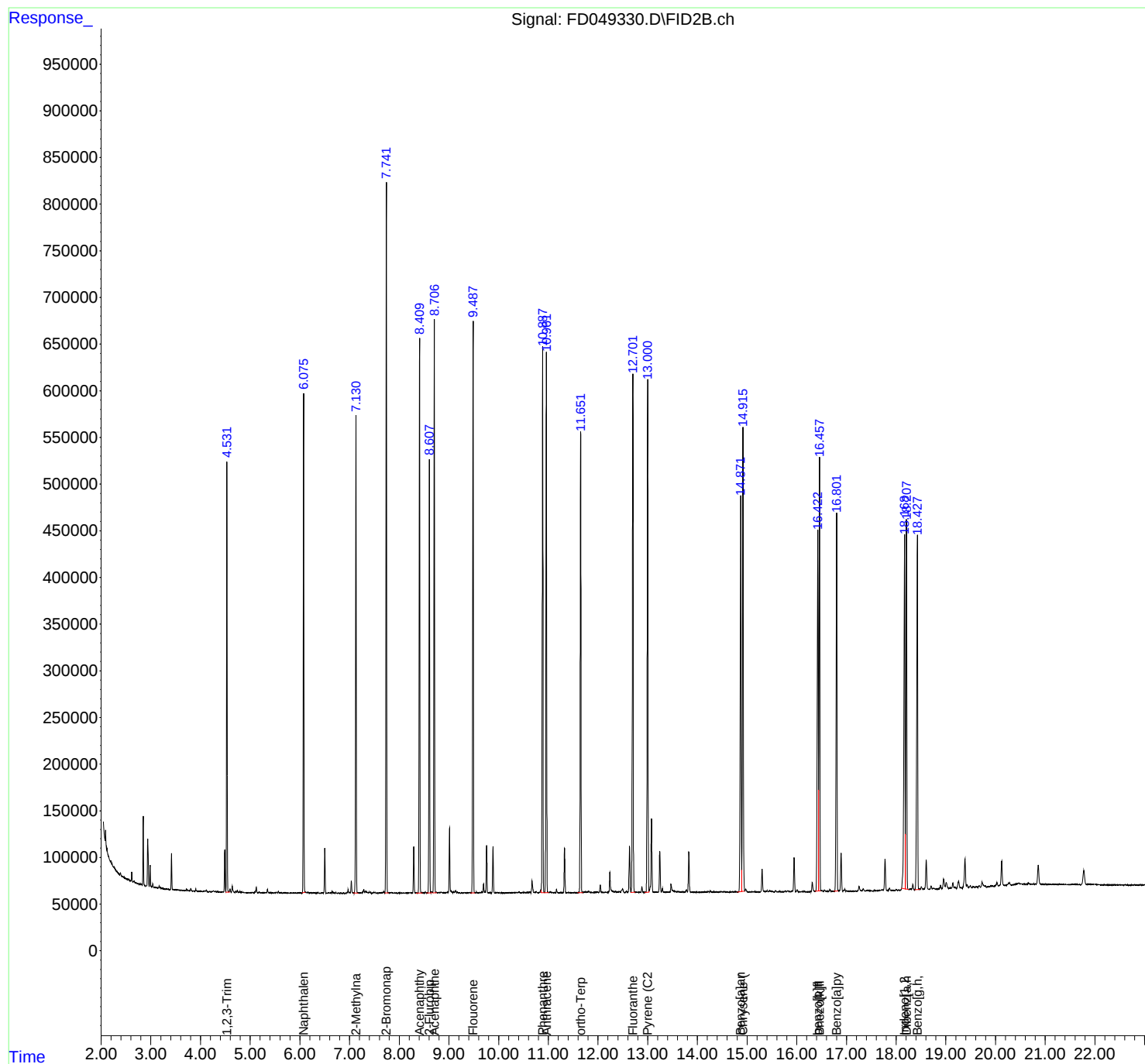
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.741	7098283	59.866 ug/ml
Spiked Amount 50.000		Recovery =	119.73%
6) S 2-Fluorobiphenyl (SURR)	8.607	4554552	57.673 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	115.35%
11) S ortho-Terphenyl (SURR)	11.651	5318512	38.534 ug/ml
Spiked Amount 50.000		Recovery =	77.07%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.531	3923162	31.421 ug/ml
2) T Naphthalene (C11.7)	6.076	4775935	36.125 ug/ml
3) T 2-Methylnaphthalene (...)	7.130	4775309	37.017 ug/ml
5) T Acenaphthylene (C15.06)	8.410	5798065	41.073 ug/ml
7) T Acenaphthene (C15.5)	8.707	5874209	42.873 ug/ml
8) T Fluorene (C16.55)	9.488	6193540	45.502 ug/ml
9) T Phenanthrene (C19.36)	10.887	6216675	46.110 ug/ml
10) T Anthracene (C19.43)	10.961	6051842	51.170 ug/ml
12) T Fluoranthene (C21.85)	12.702	6246701	46.353 ug/ml
13) T Pyrene (C20.8)	13.000	6082375	44.963 ug/ml
14) T Benzo[a]anthracene (C...	14.871	5537474	48.343 ug/ml
15) T Chrysene (C27.41)	14.916	5818279	49.851 ug/ml
16) T benzo[b]fluoranthene ...	16.423	5484249	45.180 ug/ml
17) T Bnezo[k]fluoranthene ...	16.457	5331675	44.705 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.802	5167669	44.943 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.169	5564063	50.701 ug/ml
20) T Dibenz[a,h]anthracene...	18.207	4910368	46.493 ug/ml
21) T Benzo[g,h,i]perylene ...	18.427	5200377	43.638 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Instrument :
FID_D
ClientSampleId :
B-167-SB02MS

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\FD050825AR\
 Data File : FD049330.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 20:25
 Sample : Q1901-04MS
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.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	4.266	4.252	4.289	BV	730	5895	0.08%	0.005%
2	4.306	4.289	4.325	PV	598	7343	0.10%	0.006%
3	4.330	4.325	4.356	VV	376	4189	0.06%	0.003%
4	4.361	4.356	4.370	VV	259	1108	0.02%	0.001%
5	4.384	4.370	4.409	PV	269	3287	0.05%	0.003%
6	4.414	4.409	4.430	VV	217	1846	0.03%	0.001%
7	4.445	4.430	4.464	VV	444	5523	0.08%	0.004%
8	4.488	4.464	4.509	VV	45759	407008	5.71%	0.312%
9	4.531	4.509	4.557	VV	461843	3920109	55.01%	3.001%
10	4.564	4.557	4.577	VV	1306	13116	0.18%	0.010%
11	4.595	4.577	4.624	VV	3795	43141	0.61%	0.033%
12	4.640	4.624	4.679	VV	6869	81717	1.15%	0.063%
13	4.691	4.679	4.698	VV	375	3135	0.04%	0.002%
14	4.712	4.698	4.726	VV	1530	14641	0.21%	0.011%
15	4.743	4.726	4.770	VV	2611	25358	0.36%	0.019%
16	4.795	4.770	4.810	VV	1239	12765	0.18%	0.010%
17	4.832	4.810	4.850	VV	952	10748	0.15%	0.008%
18	4.855	4.850	4.896	VV	430	5825	0.08%	0.004%
19	4.901	4.896	4.912	VV	227	1065	0.01%	0.001%
20	4.935	4.912	4.964	PV	471	6586	0.09%	0.005%
21	4.983	4.974	4.992	VV	307	1806	0.03%	0.001%
22	5.014	5.008	5.028	PV	168	1216	0.02%	0.001%
23	5.040	5.028	5.049	PV	424	2889	0.04%	0.002%
24	5.052	5.049	5.056	VV	394	1320	0.02%	0.001%
25	5.059	5.056	5.080	VV	415	2532	0.04%	0.002%
26	5.098	5.080	5.107	VV	1201	10025	0.14%	0.008%
27	5.123	5.107	5.162	VV	6212	66734	0.94%	0.051%
28	5.180	5.162	5.205	VV	1368	15764	0.22%	0.012%
29	5.213	5.205	5.219	VV	336	1873	0.03%	0.001%
30	5.236	5.219	5.280	VV	532	9723	0.14%	0.007%
31	5.290	5.280	5.295	PV	254	1188	0.02%	0.001%
32	5.315	5.295	5.328	VV	548	7036	0.10%	0.005%
33	5.347	5.328	5.390	VV	3980	45148	0.63%	0.035%
34	5.400	5.390	5.418	VV	261	2789	0.04%	0.002%
35	5.423	5.418	5.477	VV	254	5274	0.07%	0.004%
36	5.487	5.477	5.502	VV	462	5001	0.07%	0.004%

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37	5.525	5.502	5.549	VV	919	10857	0.15%	0.008%
38	5.566	5.549	5.594	VV	1997	20402	0.29%	0.016%
39	5.622	5.594	5.637	VV	693	8437	0.12%	0.006%
40	5.643	5.637	5.664	VV	214	2447	0.03%	0.002%
41	5.685	5.673	5.698	VV	323	3740	0.05%	0.003%
42	5.706	5.698	5.714	VV	352	2156	0.03%	0.002%
43	5.717	5.714	5.739	VV	280	1733	0.02%	0.001%
44	5.771	5.749	5.784	VV	276	3576	0.05%	0.003%
45	5.817	5.802	5.842	VV	284	2541	0.04%	0.002%
46	5.874	5.859	5.880	VV	266	2341	0.03%	0.002%
47	5.901	5.880	5.924	VV	354	5557	0.08%	0.004%
48	5.928	5.924	5.950	VV	204	2422	0.03%	0.002%
49	5.956	5.950	5.967	VV	244	1624	0.02%	0.001%
50	5.986	5.967	6.003	VV	513	5640	0.08%	0.004%
51	6.017	6.003	6.035	VV	350	4054	0.06%	0.003%
52	6.076	6.035	6.111	VV	535249	4804872	67.43%	3.678%
53	6.118	6.111	6.143	VV	1497	20153	0.28%	0.015%
54	6.162	6.143	6.192	VV	1485	20757	0.29%	0.016%
55	6.222	6.192	6.245	VV	1006	16454	0.23%	0.013%
56	6.249	6.245	6.265	VV	345	4188	0.06%	0.003%
57	6.269	6.265	6.275	VV	332	1764	0.02%	0.001%
58	6.295	6.275	6.323	VV	616	10137	0.14%	0.008%
59	6.359	6.323	6.410	VV	900	15550	0.22%	0.012%
60	6.438	6.410	6.444	PV	301	3889	0.05%	0.003%
61	6.449	6.444	6.460	VV	380	2455	0.03%	0.002%
62	6.465	6.460	6.477	VV	296	1935	0.03%	0.001%
63	6.502	6.477	6.531	VV	48425	464933	6.52%	0.356%
64	6.547	6.531	6.554	VV	388	2872	0.04%	0.002%
65	6.587	6.554	6.609	VV	931	12304	0.17%	0.009%
66	6.622	6.609	6.639	VV	756	7562	0.11%	0.006%
67	6.652	6.639	6.672	VV	1658	16805	0.24%	0.013%
68	6.686	6.672	6.708	VV	565	5809	0.08%	0.004%
69	6.725	6.708	6.749	VV	1038	11061	0.16%	0.008%
70	6.771	6.749	6.787	VV	416	3936	0.06%	0.003%
71	6.795	6.787	6.825	VV	403	5471	0.08%	0.004%
72	6.832	6.825	6.855	VV	345	3092	0.04%	0.002%
73	6.877	6.855	6.900	VV	380	5615	0.08%	0.004%
74	6.909	6.900	6.922	VV	300	2832	0.04%	0.002%
75	6.945	6.922	6.956	VV	1100	11445	0.16%	0.009%
76	6.971	6.956	6.986	VV	4087	37429	0.53%	0.029%
77	6.997	6.986	7.014	VV	1339	15820	0.22%	0.012%
78	7.036	7.014	7.093	VV	13525	148540	2.08%	0.114%
79	7.130	7.093	7.174	VV	513331	4790408	67.23%	3.667%
80	7.180	7.174	7.185	VV	403	2215	0.03%	0.002%
81	7.195	7.185	7.202	VV	478	3580	0.05%	0.003%
82	7.205	7.202	7.215	VV	513	2984	0.04%	0.002%
83	7.232	7.215	7.252	VV	694	9382	0.13%	0.007%
84	7.286	7.252	7.303	VV	4209	61252	0.86%	0.047%
85	7.319	7.303	7.334	VV	2687	33219	0.47%	0.025%
86	7.345	7.334	7.382	VV	1852	27917	0.39%	0.021%
87	7.394	7.382	7.408	VV	1640	17084	0.24%	0.013%
88	7.422	7.408	7.444	VV	1441	16429	0.23%	0.013%
89	7.464	7.444	7.469	PV	553	4505	0.06%	0.003%

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90	7.473	7.469	7.476	VV	491	2101	0.03%	0.002%
91	7.490	7.476	7.505	VV	1061	13177	0.18%	0.010%
92	7.516	7.505	7.546	VV	1207	15069	0.21%	0.012%
93	7.552	7.546	7.567	VV	373	3204	0.04%	0.002%
94	7.601	7.567	7.622	VV	857	12460	0.17%	0.010%
95	7.643	7.622	7.648	VV	630	6807	0.10%	0.005%
96	7.663	7.648	7.670	VV	646	7173	0.10%	0.005%
97	7.687	7.670	7.710	VV	1788	23807	0.33%	0.018%
98	7.741	7.710	7.809	VV	762683	7125582	100.00%	5.454%
99	7.834	7.809	7.874	VV	1106	24002	0.34%	0.018%
100	7.878	7.874	7.884	VV	371	1612	0.02%	0.001%
101	7.909	7.884	7.930	VV	644	8182	0.11%	0.006%
102	7.944	7.930	7.975	VV	350	4029	0.06%	0.003%
103	7.991	7.975	8.033	PV	828	11717	0.16%	0.009%
104	8.045	8.033	8.068	VV	370	4742	0.07%	0.004%
105	8.078	8.068	8.112	VV	452	6984	0.10%	0.005%
106	8.117	8.112	8.127	VV	372	2160	0.03%	0.002%
107	8.139	8.127	8.160	VV	412	5908	0.08%	0.005%
108	8.196	8.160	8.222	VV	801	18031	0.25%	0.014%
109	8.227	8.222	8.255	VV	496	8037	0.11%	0.006%
110	8.261	8.255	8.267	VV	442	2536	0.04%	0.002%
111	8.293	8.267	8.321	VV	50057	513005	7.20%	0.393%
112	8.329	8.321	8.341	VV	545	4444	0.06%	0.003%
113	8.357	8.341	8.364	VV	466	4567	0.06%	0.003%
114	8.410	8.364	8.471	VV	594927	5815252	81.61%	4.451%
115	8.484	8.471	8.499	VV	773	8993	0.13%	0.007%
116	8.502	8.499	8.516	VV	517	4526	0.06%	0.003%
117	8.529	8.516	8.563	VV	981	14787	0.21%	0.011%
118	8.569	8.563	8.573	VV	298	1508	0.02%	0.001%
119	8.607	8.573	8.637	VV	464409	4567118	64.09%	3.496%
120	8.657	8.637	8.675	VV	1622	27365	0.38%	0.021%
121	8.707	8.675	8.740	VV	613904	5894128	82.72%	4.512%
122	8.750	8.740	8.769	VV	1078	13182	0.18%	0.010%
123	8.785	8.769	8.795	VV	894	11538	0.16%	0.009%
124	8.803	8.795	8.815	VV	916	8871	0.12%	0.007%
125	8.833	8.815	8.840	VV	1067	12565	0.18%	0.010%
126	8.851	8.840	8.868	VV	1251	14910	0.21%	0.011%
127	8.874	8.868	8.881	VV	488	3238	0.05%	0.002%
128	8.897	8.881	8.912	VV	831	9969	0.14%	0.008%
129	8.914	8.912	8.930	VV	597	4582	0.06%	0.004%
130	8.946	8.930	8.961	VV	789	10618	0.15%	0.008%
131	8.976	8.961	8.988	VV	1205	14318	0.20%	0.011%
132	9.013	8.988	9.034	VV	70023	695386	9.76%	0.532%
133	9.043	9.034	9.082	VV	2903	45797	0.64%	0.035%
134	9.097	9.082	9.115	VV	2007	26277	0.37%	0.020%
135	9.133	9.115	9.153	VV	2965	41394	0.58%	0.032%
136	9.165	9.153	9.182	VV	1721	21038	0.30%	0.016%
137	9.201	9.182	9.217	VV	843	11759	0.17%	0.009%
138	9.222	9.217	9.231	VV	327	1480	0.02%	0.001%
139	9.253	9.231	9.270	PV	539	7782	0.11%	0.006%
140	9.304	9.270	9.320	VV	712	12038	0.17%	0.009%
141	9.335	9.320	9.349	VV	702	7948	0.11%	0.006%

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142	9.358	9.349	9.381	VV	476	5750	0.08%	0.004%
143	9.399	9.381	9.405	VV	679	7087	0.10%	0.005%
144	9.418	9.405	9.431	VV	801	8945	0.13%	0.007%
145	9.435	9.431	9.441	VV	334	1860	0.03%	0.001%
146	9.447	9.441	9.453	VV	451	2819	0.04%	0.002%
147	9.488	9.453	9.522	VV	609091	6208718	87.13%	4.752%
148	9.532	9.522	9.538	VV	566	4261	0.06%	0.003%
149	9.556	9.538	9.570	VV	973	10455	0.15%	0.008%
150	9.581	9.570	9.593	VV	485	4659	0.07%	0.004%
151	9.619	9.593	9.641	VV	667	13877	0.19%	0.011%
152	9.662	9.641	9.677	VV	1088	16814	0.24%	0.013%
153	9.697	9.677	9.717	VV	9906	105816	1.49%	0.081%
154	9.731	9.717	9.738	VV	1800	16226	0.23%	0.012%
155	9.759	9.738	9.789	VV	51403	505262	7.09%	0.387%
156	9.829	9.789	9.852	VV	652	15817	0.22%	0.012%
157	9.888	9.852	9.922	VV	50124	537472	7.54%	0.411%
158	9.965	9.922	9.974	VV	793	12761	0.18%	0.010%
159	9.976	9.974	10.012	VV	691	9318	0.13%	0.007%
160	10.040	10.012	10.055	VV	437	6991	0.10%	0.005%
161	10.061	10.055	10.076	VV	410	3045	0.04%	0.002%
162	10.082	10.076	10.119	VV	261	4318	0.06%	0.003%
163	10.127	10.119	10.133	VV	207	1243	0.02%	0.001%
164	10.139	10.133	10.148	VV	172	1107	0.02%	0.001%
165	10.166	10.148	10.172	PV	357	2936	0.04%	0.002%
166	10.175	10.172	10.185	VV	384	1731	0.02%	0.001%
167	10.206	10.185	10.240	VV	590	13962	0.20%	0.011%
168	10.254	10.240	10.268	VV	489	6722	0.09%	0.005%
169	10.282	10.268	10.296	VV	682	8776	0.12%	0.007%
170	10.325	10.296	10.340	VV	730	14169	0.20%	0.011%
171	10.354	10.340	10.384	VV	597	12496	0.18%	0.010%
172	10.413	10.384	10.435	VV	1297	22149	0.31%	0.017%
173	10.440	10.435	10.457	VV	515	5301	0.07%	0.004%
174	10.494	10.457	10.499	VV	758	12562	0.18%	0.010%
175	10.514	10.499	10.524	VV	851	10887	0.15%	0.008%
176	10.527	10.524	10.546	VV	724	6930	0.10%	0.005%
177	10.556	10.546	10.563	VV	635	5308	0.07%	0.004%
178	10.577	10.563	10.595	VV	807	12087	0.17%	0.009%
179	10.619	10.595	10.651	VV	1365	28653	0.40%	0.022%
180	10.674	10.651	10.708	VV	13099	184535	2.59%	0.141%
181	10.720	10.708	10.730	VV	857	9058	0.13%	0.007%
182	10.757	10.730	10.790	VV	1646	31903	0.45%	0.024%
183	10.821	10.790	10.832	VV	808	12247	0.17%	0.009%
184	10.849	10.832	10.857	VV	3643	36493	0.51%	0.028%
185	10.887	10.857	10.926	VV	585810	6229891	87.43%	4.769%
186	10.962	10.926	11.013	VV	580653	6069298	85.18%	4.646%
187	11.039	11.013	11.090	VV	1337	35135	0.49%	0.027%
188	11.093	11.090	11.113	VV	435	4342	0.06%	0.003%
189	11.126	11.113	11.145	VV	529	6571	0.09%	0.005%
190	11.164	11.145	11.186	VV	3964	42493	0.60%	0.033%
191	11.193	11.186	11.215	VV	377	3862	0.05%	0.003%
192	11.227	11.215	11.237	PV	201	1683	0.02%	0.001%
193	11.256	11.237	11.282	VV	610	9611	0.13%	0.007%
194	11.327	11.282	11.360	VV	47939	545860	7.66%	0.418%

					rteres			
195	11.376	11.360	11.389	VV	456	4939	0.07%	0.004%
196	11.405	11.389	11.414	VV	596	5815	0.08%	0.004%
197	11.419	11.414	11.450	VV	394	5212	0.07%	0.004%
198	11.455	11.450	11.463	VV	229	1258	0.02%	0.001%
199	11.481	11.463	11.494	VV	307	3567	0.05%	0.003%
200	11.497	11.494	11.504	VV	268	1259	0.02%	0.001%
201	11.514	11.504	11.539	VV	536	5014	0.07%	0.004%
202	11.567	11.550	11.592	VV	222	2747	0.04%	0.002%
203	11.600	11.592	11.605	VV	398	1683	0.02%	0.001%
204	11.651	11.605	11.705	VV	494300	5334578	74.87%	4.083%
205	11.726	11.705	11.731	VV	988	12315	0.17%	0.009%
206	11.743	11.731	11.761	VV	1550	19769	0.28%	0.015%
207	11.778	11.761	11.791	VV	1165	15322	0.22%	0.012%
208	11.812	11.791	11.840	VV	2155	34232	0.48%	0.026%
209	11.856	11.840	11.887	VV	721	13339	0.19%	0.010%
210	11.903	11.887	11.909	VV	418	4604	0.06%	0.004%
211	11.926	11.909	11.941	VV	786	11181	0.16%	0.009%
212	11.986	11.941	12.017	VV	1151	32605	0.46%	0.025%
213	12.046	12.017	12.071	VV	8322	103575	1.45%	0.079%
214	12.084	12.071	12.111	VV	849	11215	0.16%	0.009%
215	12.136	12.111	12.145	VV	581	8113	0.11%	0.006%
216	12.152	12.145	12.177	VV	659	9310	0.13%	0.007%
217	12.237	12.177	12.315	VV	22110	332066	4.66%	0.254%
218	12.320	12.315	12.336	VV	1300	13573	0.19%	0.010%
219	12.354	12.336	12.388	VV	1394	33007	0.46%	0.025%
220	12.405	12.388	12.446	VV	1098	31356	0.44%	0.024%
221	12.475	12.446	12.482	VV	3082	39790	0.56%	0.030%
222	12.496	12.482	12.549	VV	4162	65521	0.92%	0.050%
223	12.573	12.549	12.603	VV	1705	29649	0.42%	0.023%
224	12.633	12.603	12.663	VV	49645	596425	8.37%	0.457%
225	12.702	12.663	12.754	VV	556707	6269959	87.99%	4.799%
226	12.763	12.754	12.779	VV	624	7665	0.11%	0.006%
227	12.786	12.779	12.807	VV	427	5953	0.08%	0.005%
228	12.826	12.807	12.847	VV	449	8236	0.12%	0.006%
229	12.853	12.847	12.860	VV	404	2248	0.03%	0.002%
230	12.881	12.860	12.934	VV	6564	82249	1.15%	0.063%
231	13.000	12.934	13.027	VV	551870	6101299	85.63%	4.670%
232	13.076	13.027	13.114	VV	79574	992450	13.93%	0.760%
233	13.121	13.114	13.149	VV	821	13528	0.19%	0.010%
234	13.154	13.149	13.164	VV	633	4657	0.07%	0.004%
235	13.169	13.164	13.186	VV	492	5020	0.07%	0.004%
236	13.202	13.186	13.210	VV	501	6188	0.09%	0.005%
237	13.242	13.210	13.274	VV	44473	532703	7.48%	0.408%
238	13.295	13.274	13.334	VV	4397	62018	0.87%	0.047%
239	13.336	13.334	13.347	VV	430	2954	0.04%	0.002%
240	13.361	13.347	13.367	VV	576	5308	0.07%	0.004%
241	13.372	13.367	13.389	VV	536	5902	0.08%	0.005%
242	13.396	13.389	13.401	VV	582	2941	0.04%	0.002%
243	13.408	13.401	13.410	VV	455	2563	0.04%	0.002%
244	13.419	13.410	13.424	VV	615	4294	0.06%	0.003%
245	13.428	13.424	13.440	VV	651	6024	0.08%	0.005%
246	13.469	13.440	13.566	VV	9027	189267	2.66%	0.145%

					rteres			
247	13.583	13.566	13.590	VV	990	13268	0.19%	0.010%
248	13.591	13.590	13.606	VV	905	7414	0.10%	0.006%
249	13.614	13.606	13.625	VV	888	9357	0.13%	0.007%
250	13.630	13.625	13.640	VV	871	7372	0.10%	0.006%
251	13.645	13.640	13.680	VV	883	17155	0.24%	0.013%
252	13.688	13.680	13.693	VV	886	6273	0.09%	0.005%
253	13.699	13.693	13.719	VV	953	11948	0.17%	0.009%
254	13.734	13.719	13.747	VV	661	9034	0.13%	0.007%
255	13.778	13.747	13.798	VV	3009	46547	0.65%	0.036%
256	13.827	13.798	13.871	VV	43640	539084	7.57%	0.413%
257	13.877	13.871	13.882	VV	420	2390	0.03%	0.002%
258	13.887	13.882	13.903	VV	504	4350	0.06%	0.003%
259	13.921	13.903	13.930	VV	496	4975	0.07%	0.004%
260	13.936	13.930	13.949	VV	392	3078	0.04%	0.002%
261	13.955	13.949	13.960	VV	297	1548	0.02%	0.001%
262	13.967	13.960	13.980	VV	308	2427	0.03%	0.002%
263	13.987	13.980	13.999	PV	389	2523	0.04%	0.002%
264	14.003	13.999	14.034	VV	363	4218	0.06%	0.003%
265	14.040	14.034	14.059	VV	283	3528	0.05%	0.003%
266	14.062	14.059	14.067	VV	278	1126	0.02%	0.001%
267	14.074	14.067	14.080	VV	215	1401	0.02%	0.001%
268	14.090	14.080	14.114	VV	414	5602	0.08%	0.004%
269	14.119	14.114	14.136	VV	471	4002	0.06%	0.003%
270	14.143	14.136	14.150	VV	289	2296	0.03%	0.002%
271	14.155	14.150	14.183	VV	372	6044	0.08%	0.005%
272	14.188	14.183	14.194	VV	320	1481	0.02%	0.001%
273	14.216	14.194	14.238	VV	1111	17570	0.25%	0.013%
274	14.259	14.238	14.285	VV	1544	24769	0.35%	0.019%
275	14.290	14.285	14.319	VV	509	8379	0.12%	0.006%
276	14.335	14.319	14.369	VV	617	11591	0.16%	0.009%
277	14.390	14.369	14.408	VV	719	12215	0.17%	0.009%
278	14.414	14.408	14.439	VV	396	6663	0.09%	0.005%
279	14.467	14.439	14.474	VV	670	10231	0.14%	0.008%
280	14.475	14.474	14.479	VV	642	1830	0.03%	0.001%
281	14.483	14.479	14.487	VV	557	2477	0.03%	0.002%
282	14.495	14.487	14.524	VV	747	13120	0.18%	0.010%
283	14.552	14.524	14.580	VV	889	18588	0.26%	0.014%
284	14.597	14.580	14.627	VV	429	7940	0.11%	0.006%
285	14.651	14.627	14.662	VV	468	6189	0.09%	0.005%
286	14.667	14.662	14.674	VV	377	2547	0.04%	0.002%
287	14.680	14.674	14.694	VV	432	4355	0.06%	0.003%
288	14.737	14.694	14.752	VV	621	18176	0.26%	0.014%
289	14.766	14.752	14.817	VV	865	17199	0.24%	0.013%
290	14.871	14.817	14.891	VV	423924	5562723	78.07%	4.258%
291	14.916	14.891	14.952	VV	498609	5853854	82.15%	4.481%
292	14.972	14.952	15.014	VV	3470	62327	0.87%	0.048%
293	15.020	15.014	15.045	VV	463	6418	0.09%	0.005%
294	15.057	15.045	15.084	VV	410	7605	0.11%	0.006%
295	15.101	15.084	15.125	VV	711	12620	0.18%	0.010%
296	15.130	15.125	15.144	VV	468	3620	0.05%	0.003%
297	15.150	15.144	15.185	VV	718	9712	0.14%	0.007%
298	15.211	15.185	15.259	VV	583	13420	0.19%	0.010%
299	15.301	15.259	15.345	VV	24919	327347	4.59%	0.251%

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300	15.348	15.345	15.380	VV	1060	15006	0.21%	0.011%
301	15.400	15.380	15.427	VV	1756	28441	0.40%	0.022%
302	15.464	15.427	15.485	VV	1679	35620	0.50%	0.027%
303	15.502	15.485	15.515	VV	760	11150	0.16%	0.009%
304	15.519	15.515	15.547	VV	639	7880	0.11%	0.006%
305	15.578	15.547	15.602	VV	1576	23710	0.33%	0.018%
306	15.608	15.602	15.635	VV	531	7753	0.11%	0.006%
307	15.637	15.635	15.641	VV	406	1123	0.02%	0.001%
308	15.660	15.641	15.694	VV	806	14147	0.20%	0.011%
309	15.707	15.694	15.730	VV	416	6896	0.10%	0.005%
310	15.739	15.730	15.745	VV	409	3095	0.04%	0.002%
311	15.773	15.745	15.797	VV	1541	25837	0.36%	0.020%
312	15.819	15.797	15.844	VV	1335	24113	0.34%	0.018%
313	15.847	15.844	15.862	VV	580	4590	0.06%	0.004%
314	15.866	15.862	15.870	VV	560	2316	0.03%	0.002%
315	15.876	15.870	15.882	VV	481	3041	0.04%	0.002%
316	15.906	15.882	15.917	VV	1392	18917	0.27%	0.014%
317	15.945	15.917	15.985	VV	36973	480341	6.74%	0.368%
318	16.006	15.985	16.040	VV	2527	36039	0.51%	0.028%
319	16.048	16.040	16.058	VV	222	1710	0.02%	0.001%
320	16.090	16.058	16.100	VV	371	5636	0.08%	0.004%
321	16.116	16.100	16.133	VV	511	7006	0.10%	0.005%
322	16.148	16.133	16.191	VV	880	13233	0.19%	0.010%
323	16.209	16.191	16.223	PV	173	2266	0.03%	0.002%
324	16.231	16.223	16.242	VV	261	2034	0.03%	0.002%
325	16.311	16.242	16.355	VV	10398	163058	2.29%	0.125%
326	16.361	16.355	16.370	VV	731	6160	0.09%	0.005%
327	16.373	16.370	16.378	VV	721	3298	0.05%	0.003%
328	16.423	16.378	16.438	VV	387601	5508924	77.31%	4.217%
329	16.457	16.438	16.484	VV	464204	5354656	75.15%	4.099%
330	16.505	16.484	16.534	VV	1755	31280	0.44%	0.024%
331	16.558	16.534	16.594	VV	1915	33156	0.47%	0.025%
332	16.602	16.594	16.618	VV	574	6581	0.09%	0.005%
333	16.631	16.618	16.636	VV	389	3046	0.04%	0.002%
334	16.665	16.636	16.707	VV	2588	37992	0.53%	0.029%
335	16.726	16.707	16.732	VV	548	5770	0.08%	0.004%
336	16.736	16.732	16.757	VV	512	5789	0.08%	0.004%
337	16.802	16.757	16.831	VV	405502	5194498	72.90%	3.976%
338	16.891	16.831	16.922	VV	41309	563356	7.91%	0.431%
339	16.942	16.922	16.952	VV	1269	14185	0.20%	0.011%
340	16.967	16.952	17.002	VV	2446	35329	0.50%	0.027%
341	17.005	17.002	17.026	VV	475	4019	0.06%	0.003%
342	17.037	17.026	17.047	VV	275	2467	0.03%	0.002%
343	17.055	17.047	17.069	VV	393	2635	0.04%	0.002%
344	17.078	17.069	17.093	VV	281	2386	0.03%	0.002%
345	17.110	17.101	17.119	VV	312	1610	0.02%	0.001%
346	17.132	17.125	17.145	PV	203	1660	0.02%	0.001%
347	17.157	17.145	17.170	VV	270	2128	0.03%	0.002%
348	17.183	17.170	17.198	VV	261	2051	0.03%	0.002%
349	17.213	17.198	17.219	VV	264	1716	0.02%	0.001%
350	17.253	17.219	17.313	VV	5230	97888	1.37%	0.075%
351	17.339	17.313	17.383	VV	2611	43745	0.61%	0.033%

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352	17.429	17.383	17.433	VV	821	13319	0.19%	0.010%
353	17.440	17.433	17.475	VV	1020	17867	0.25%	0.014%
354	17.480	17.475	17.529	VV	569	10090	0.14%	0.008%
355	17.565	17.529	17.591	PV	539	10859	0.15%	0.008%
356	17.595	17.591	17.608	VV	353	2622	0.04%	0.002%
357	17.618	17.608	17.623	VV	331	2147	0.03%	0.002%
358	17.632	17.623	17.647	VV	371	4301	0.06%	0.003%
359	17.668	17.647	17.684	VV	692	10947	0.15%	0.008%
360	17.701	17.684	17.705	VV	964	8052	0.11%	0.006%
361	17.717	17.705	17.729	VV	958	12276	0.17%	0.009%
362	17.776	17.729	17.809	VV	33995	471405	6.62%	0.361%
363	17.819	17.809	17.825	VV	360	2470	0.03%	0.002%
364	17.831	17.825	17.837	VV	423	2188	0.03%	0.002%
365	17.865	17.837	17.899	VV	2866	43367	0.61%	0.033%
366	17.903	17.899	17.909	VV	373	1418	0.02%	0.001%
367	17.914	17.909	17.925	VV	261	2101	0.03%	0.002%
368	17.932	17.925	17.939	VV	284	1637	0.02%	0.001%
369	17.941	17.939	17.950	VV	296	1662	0.02%	0.001%
370	17.967	17.950	17.975	VV	272	3372	0.05%	0.003%
371	18.004	17.975	18.025	VV	964	17237	0.24%	0.013%
372	18.030	18.025	18.037	VV	384	1737	0.02%	0.001%
373	18.047	18.037	18.065	VV	472	5586	0.08%	0.004%
374	18.066	18.065	18.085	VV	347	2201	0.03%	0.002%
375	18.169	18.085	18.184	PV	382069	5654482	79.35%	4.328%
376	18.207	18.184	18.253	VV	396857	4950651	69.48%	3.789%
377	18.290	18.253	18.311	VV	1127	28119	0.39%	0.022%
378	18.335	18.311	18.375	VV	5847	85752	1.20%	0.066%
379	18.427	18.375	18.479	VV	381199	5221194	73.27%	3.996%
380	18.507	18.479	18.532	VV	3255	49542	0.70%	0.038%
381	18.550	18.532	18.564	VV	908	12638	0.18%	0.010%
382	18.605	18.564	18.662	VV	31963	464595	6.52%	0.356%
383	18.703	18.662	18.734	PV	3557	59271	0.83%	0.045%
384	18.748	18.734	18.792	VV	911	21745	0.31%	0.017%
385	18.811	18.802	18.834	VV	276	3041	0.04%	0.002%
386	18.892	18.834	18.919	PV	3333	44630	0.63%	0.034%
387	18.955	18.919	18.985	PV	9286	141562	1.99%	0.108%
Sum of corrected areas:					130644635			

Aromatic EPH 050125.M Fri May 09 09:51:22 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
 Data File : FC068805.D
 Signal(s) : FID1A.ch
 Acq On : 08 May 2025 21:41
 Operator : YP/AJ
 Sample : Q1901-04MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 B-167-SB02MSD

Integration File: autoint1.e
 Quant Time: May 09 09:09:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 QLast Update : Wed May 07 08:52:03 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...	13.142	2948527	36.753 ug/ml
Spiked Amount 50.000		Recovery =	73.51%
Target Compounds			
1) T n-Nonane (C9)	3.442	2011260	19.997 ug/ml
2) T n-Decane (C10)	4.517	2514803	25.238 ug/ml
4) T n-Dodecane (C12)	6.542	2910772	29.953 ug/ml
6) T n-Tetradecane (C14)	8.340	3204590	34.672 ug/ml
7) T n-Hexadecane (C16)	9.942	3326563	37.150 ug/ml
8) T n-Octadecane (C18)	11.386	3352938	38.224 ug/ml
10) T n-Eicosane (C20)	12.696	3421203	40.146 ug/ml
11) T n-Heneicosane (C21)	13.309	3266330	38.726 ug/ml
13) T n-Docosane (C22)	13.896	3256569	38.927 ug/ml
14) T n-Tetracosane (C24)	14.999	3217704	38.671 ug/ml
15) T n-Hexacosane (C26)	16.022	3170198	38.263 ug/ml
16) T n-Octacosane (C28)	16.973	3130974	37.884 ug/ml
17) T n-Tricontane (C30)	17.860	3173913	37.511 ug/ml
18) T n-Dotriacontane (C32)	18.694	3135522	36.402 ug/ml
19) T n-Tetratriacontane (C34)	19.480	3078209	36.129 ug/ml
20) T n-Hexatriacontane (C36)	20.221	2916733	33.936 ug/ml
21) T n-Octatriacontane (C38)	20.994	2812971	33.534 ug/ml
22) T n-Tetracontane (C40)	21.969	2695372	32.888 ug/ml

(f)=RT Delta > 1/2 Window

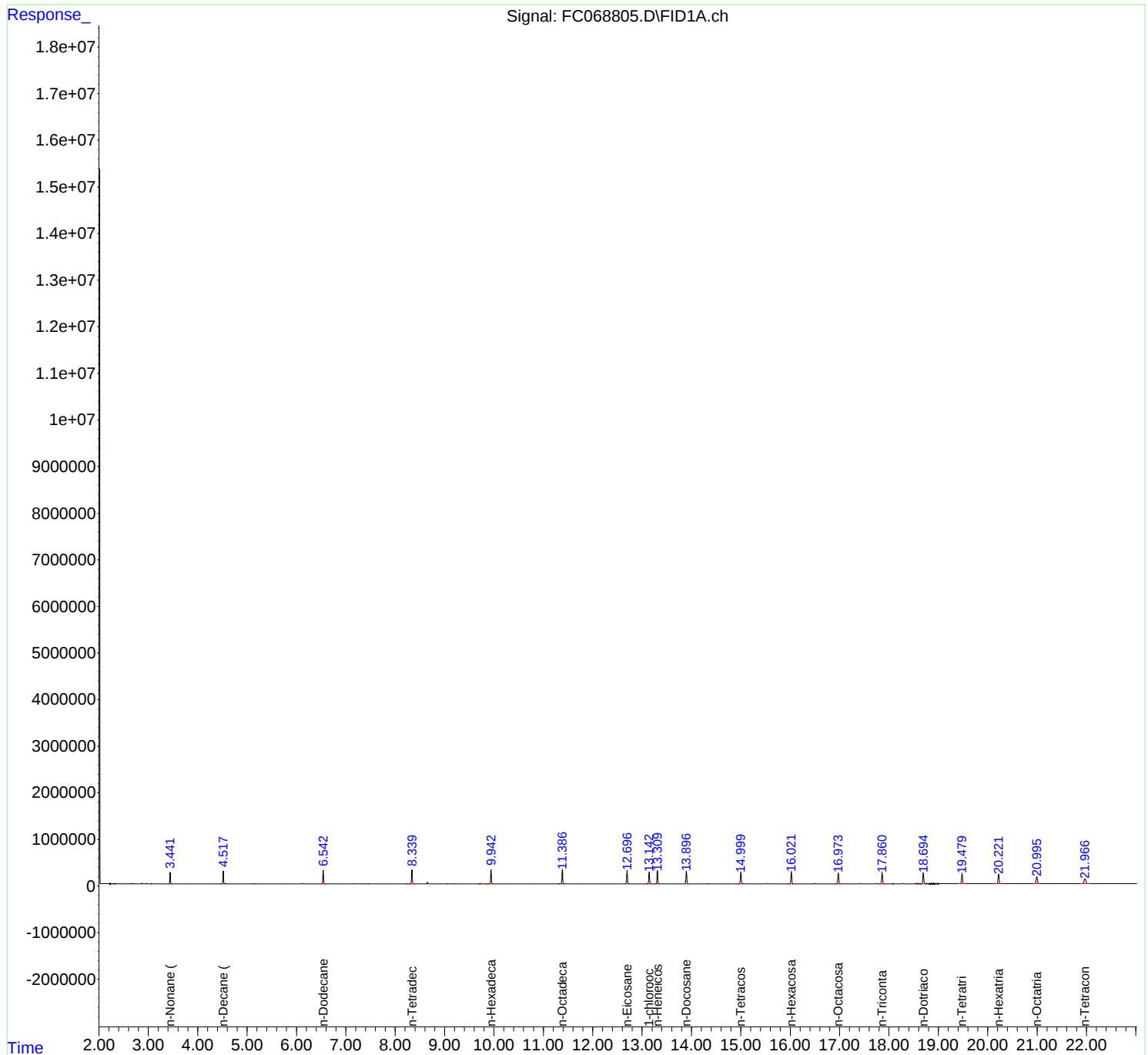
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050825AL\
Data File : FC068805.D
Signal(s) : FID1A.ch
Acq On : 08 May 2025 21:41
Operator : YP/AJ
Sample : Q1901-04MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-167-SB02MSD

Integration File: autoint1.e
Quant Time: May 09 09:09:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 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\FC050825AL\
 Data File : FC068805.D
 Signal(s) : FID1A.ch
 Acq On : 08 May 2025 21:41
 Sample : Q1901-04MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.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	3.442	3.390	3.479	BB	245502	2011260	58.79%	3.466%
2	4.517	4.462	4.545	BV	281004	2514803	73.51%	4.334%
3	4.564	4.545	4.607	VB	11348	100140	2.93%	0.173%
4	6.115	6.065	6.142	BB	5508	51598	1.51%	0.089%
5	6.542	6.489	6.590	BB	295258	2910772	85.08%	5.016%
6	8.340	8.207	8.385	BB	303690	3204590	93.67%	5.523%
7	8.653	8.599	8.699	BB	28409	281337	8.22%	0.485%
8	9.942	9.817	9.992	BB	305664	3326563	97.23%	5.733%
9	11.386	11.340	11.417	BB	300580	3352938	98.00%	5.778%
10	12.696	12.660	12.749	BB	288002	3421203	100.00%	5.896%
11	13.142	13.085	13.179	BB	255268	2948527	86.18%	5.081%
12	13.309	13.249	13.347	BB	279037	3266330	95.47%	5.629%
13	13.896	13.862	13.949	VB	265588	3256569	95.19%	5.612%
14	14.999	14.909	15.035	BV	246140	3217704	94.05%	5.545%
15	16.022	15.930	16.074	BB	250503	3170198	92.66%	5.463%
16	16.973	16.889	17.035	BB	235257	3130974	91.52%	5.396%
17	17.421	17.369	17.447	BB	3775	48816	1.43%	0.084%
18	17.860	17.790	17.920	BB	232446	3173913	92.77%	5.470%
19	18.694	18.630	18.757	BB	230480	3135522	91.65%	5.404%
20	19.480	19.407	19.537	BB	214786	3078209	89.97%	5.305%
21	20.221	20.150	20.259	BB	202220	2916733	85.25%	5.027%
22	20.994	20.910	21.067	BB	147006	2812971	82.22%	4.848%
23	21.969	21.872	22.064	BB	105883	2695372	78.78%	4.645%

Sum of corrected areas: 58027043

Aliphatic EPH 050625.M Fri May 09 09:41:56 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
 Data File : FD049331.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 21:04
 Operator : YP/AJ
 Sample : Q1901-04MSD
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-167-SB02MSD

Integration File: autoint1.e
 Quant Time: May 09 09:21:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 01 13:29:48 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

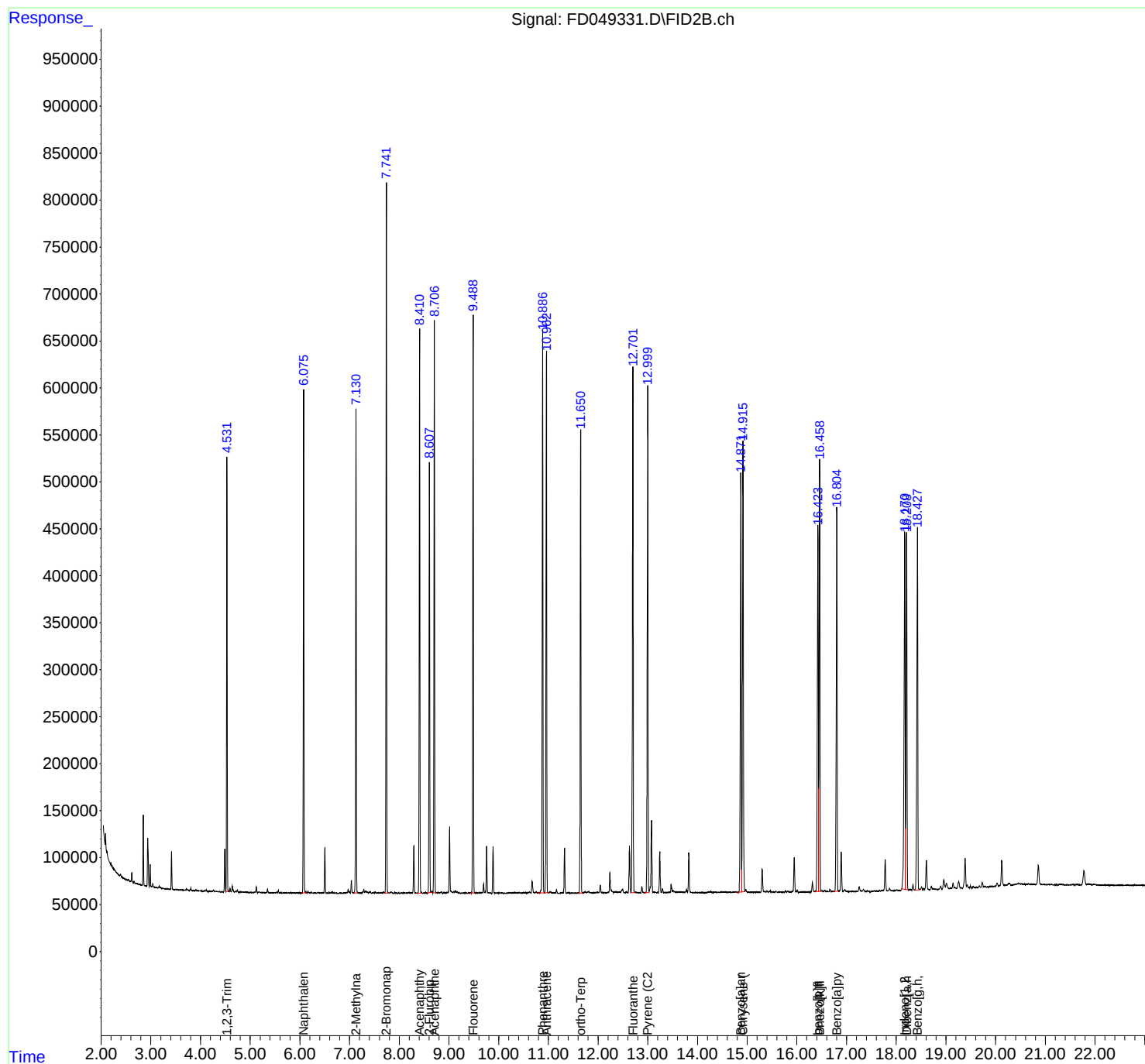
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.741	7121821	60.064 ug/ml
Spiked Amount 50.000		Recovery =	120.13%
6) S 2-Fluorobiphenyl (SURR)	8.607	4534162	57.415 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	114.83%
11) S ortho-Terphenyl (SURR)	11.651	5295430	38.367 ug/ml
Spiked Amount 50.000		Recovery =	76.73%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.531	3927868	31.459 ug/ml
2) T Naphthalene (C11.7)	6.076	4827602	36.516 ug/ml
3) T 2-Methylnaphthalene (...)	7.130	4789253	37.125 ug/ml
5) T Acenaphthylene (C15.06)	8.410	5796215	41.060 ug/ml
7) T Acenaphthene (C15.5)	8.706	5868027	42.828 ug/ml
8) T Fluorene (C16.55)	9.488	6177431	45.384 ug/ml
9) T Phenanthrene (C19.36)	10.886	6214722	46.096 ug/ml
10) T Anthracene (C19.43)	10.962	6027275	50.962 ug/ml
12) T Fluoranthene (C21.85)	12.701	6221870	46.168 ug/ml
13) T Pyrene (C20.8)	12.999	6051806	44.737 ug/ml
14) T Benzo[a]anthracene (C...	14.871	5583646	48.746 ug/ml
15) T Chrysene (C27.41)	14.915	5871355	50.306 ug/ml
16) T benzo[b]fluoranthene ...	16.423	5562427	45.824 ug/ml
17) T Bnezo[k]fluoranthene ...	16.458	5381787	45.125 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.803	5232066	45.503 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.170	5649946	51.483 ug/ml
20) T Dibenz[a,h]anthracene...	18.208	4973171	47.088 ug/ml
21) T Benzo[g,h,i]perylene ...	18.426	5259343	44.133 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Instrument :
FID_D
ClientSampleId :
B-167-SB02MSD

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\FD050825AR\
 Data File : FD049331.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 21:04
 Sample : Q1901-04MSD
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.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	4.266	4.252	4.290	BV	713	5553	0.08%	0.004%
2	4.297	4.290	4.316	PV	355	3642	0.05%	0.003%
3	4.320	4.316	4.334	VV	163	1219	0.02%	0.001%
4	4.338	4.334	4.367	PV	284	1086	0.02%	0.001%
5	4.383	4.377	4.418	PV	324	3548	0.05%	0.003%
6	4.447	4.418	4.465	VV	335	5138	0.07%	0.004%
7	4.488	4.465	4.509	PV	46038	409666	5.74%	0.309%
8	4.531	4.509	4.556	VV	461893	3947368	55.31%	2.973%
9	4.563	4.556	4.580	VV	1259	13022	0.18%	0.010%
10	4.595	4.580	4.617	VV	3886	40725	0.57%	0.031%
11	4.640	4.617	4.683	VV	6921	88235	1.24%	0.066%
12	4.690	4.683	4.702	VV	472	4498	0.06%	0.003%
13	4.713	4.702	4.729	VV	1506	16191	0.23%	0.012%
14	4.743	4.729	4.770	VV	2815	26224	0.37%	0.020%
15	4.800	4.770	4.811	PV	1205	13587	0.19%	0.010%
16	4.831	4.811	4.852	VV	788	12086	0.17%	0.009%
17	4.859	4.852	4.898	VV	589	7764	0.11%	0.006%
18	4.906	4.898	4.908	VV	207	1278	0.02%	0.001%
19	4.916	4.908	4.922	VV	354	2064	0.03%	0.002%
20	4.933	4.922	4.951	VV	632	7187	0.10%	0.005%
21	4.959	4.951	4.972	PV	409	2980	0.04%	0.002%
22	4.980	4.972	4.992	VV	234	2167	0.03%	0.002%
23	5.001	4.992	5.010	VV	230	1727	0.02%	0.001%
24	5.014	5.010	5.031	VV	199	1955	0.03%	0.001%
25	5.045	5.031	5.052	VV	386	3000	0.04%	0.002%
26	5.058	5.052	5.067	VV	305	1878	0.03%	0.001%
27	5.097	5.067	5.106	VV	1064	12203	0.17%	0.009%
28	5.123	5.106	5.151	VV	6387	67679	0.95%	0.051%
29	5.181	5.151	5.202	VV	1269	14624	0.20%	0.011%
30	5.207	5.202	5.212	VV	255	1181	0.02%	0.001%
31	5.216	5.212	5.227	VV	177	1262	0.02%	0.001%
32	5.235	5.227	5.255	VV	429	4440	0.06%	0.003%
33	5.261	5.255	5.268	VV	325	1668	0.02%	0.001%
34	5.274	5.268	5.285	VV	193	1403	0.02%	0.001%
35	5.290	5.285	5.302	VV	205	1320	0.02%	0.001%
36	5.319	5.302	5.333	VV	461	6040	0.08%	0.005%

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37	5.348	5.333	5.381	VV	4155	41847	0.59%	0.032%
38	5.386	5.381	5.395	VV	208	1302	0.02%	0.001%
39	5.399	5.395	5.409	VV	252	1613	0.02%	0.001%
40	5.431	5.409	5.444	VV	377	5224	0.07%	0.004%
41	5.450	5.444	5.475	VV	202	3062	0.04%	0.002%
42	5.495	5.475	5.507	VV	452	5576	0.08%	0.004%
43	5.525	5.507	5.544	VV	957	11016	0.15%	0.008%
44	5.567	5.544	5.586	VV	2195	22739	0.32%	0.017%
45	5.604	5.586	5.610	VV	374	3453	0.05%	0.003%
46	5.623	5.610	5.650	VV	763	8253	0.12%	0.006%
47	5.668	5.650	5.677	PV	430	3884	0.05%	0.003%
48	5.685	5.677	5.702	VV	425	3400	0.05%	0.003%
49	5.708	5.702	5.720	VV	392	2914	0.04%	0.002%
50	5.737	5.720	5.757	VV	437	6162	0.09%	0.005%
51	5.768	5.757	5.785	VV	510	5109	0.07%	0.004%
52	5.822	5.785	5.842	PV	598	7651	0.11%	0.006%
53	5.856	5.842	5.879	VV	369	5376	0.08%	0.004%
54	5.892	5.879	5.910	VV	254	3171	0.04%	0.002%
55	5.935	5.926	5.951	VV	358	2444	0.03%	0.002%
56	5.964	5.951	5.975	VV	384	2914	0.04%	0.002%
57	5.986	5.975	6.005	VV	558	6211	0.09%	0.005%
58	6.012	6.005	6.028	VV	515	4192	0.06%	0.003%
59	6.031	6.028	6.043	VV	296	2295	0.03%	0.002%
60	6.047	6.043	6.050	VV	365	1112	0.02%	0.001%
61	6.076	6.050	6.111	VV	534452	4827260	67.64%	3.636%
62	6.121	6.111	6.143	VV	1414	18795	0.26%	0.014%
63	6.164	6.143	6.198	VV	1489	24248	0.34%	0.018%
64	6.222	6.198	6.248	VV	987	16927	0.24%	0.013%
65	6.261	6.248	6.268	VV	359	3637	0.05%	0.003%
66	6.272	6.268	6.277	VV	338	1629	0.02%	0.001%
67	6.296	6.277	6.310	VV	551	7179	0.10%	0.005%
68	6.332	6.310	6.340	VV	377	4642	0.07%	0.003%
69	6.358	6.340	6.413	VV	1026	20817	0.29%	0.016%
70	6.417	6.413	6.423	VV	428	1618	0.02%	0.001%
71	6.431	6.423	6.435	VV	304	1934	0.03%	0.001%
72	6.448	6.435	6.454	VV	503	4748	0.07%	0.004%
73	6.457	6.454	6.474	VV	473	3983	0.06%	0.003%
74	6.503	6.474	6.533	VV	49116	472429	6.62%	0.356%
75	6.542	6.533	6.559	VV	361	4232	0.06%	0.003%
76	6.563	6.559	6.568	VV	399	1660	0.02%	0.001%
77	6.589	6.568	6.603	VV	928	10184	0.14%	0.008%
78	6.623	6.603	6.636	VV	770	8965	0.13%	0.007%
79	6.653	6.636	6.675	VV	1715	19175	0.27%	0.014%
80	6.690	6.675	6.706	VV	749	6471	0.09%	0.005%
81	6.727	6.706	6.744	VV	939	9584	0.13%	0.007%
82	6.760	6.744	6.765	PV	284	1881	0.03%	0.001%
83	6.770	6.765	6.776	VV	249	1371	0.02%	0.001%
84	6.781	6.776	6.788	VV	194	1216	0.02%	0.001%
85	6.792	6.788	6.797	VV	252	1007	0.01%	0.001%
86	6.803	6.797	6.813	VV	216	2188	0.03%	0.002%
87	6.833	6.813	6.857	VV	416	6543	0.09%	0.005%
88	6.878	6.857	6.900	VV	562	8328	0.12%	0.006%
89	6.906	6.900	6.923	VV	319	3496	0.05%	0.003%

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90	6.945	6.923	6.955	VV	1188	13267	0.19%	0.010%
91	6.971	6.955	6.986	VV	4045	41176	0.58%	0.031%
92	6.999	6.986	7.013	VV	1444	17817	0.25%	0.013%
93	7.037	7.013	7.092	VV	13518	150236	2.11%	0.113%
94	7.130	7.092	7.161	VV	515737	4805207	67.33%	3.619%
95	7.165	7.161	7.205	VV	679	10829	0.15%	0.008%
96	7.217	7.205	7.221	VV	397	3550	0.05%	0.003%
97	7.233	7.221	7.249	VV	776	7910	0.11%	0.006%
98	7.286	7.249	7.303	VV	4163	61937	0.87%	0.047%
99	7.319	7.303	7.335	VV	2616	32737	0.46%	0.025%
100	7.346	7.335	7.380	VV	1991	28140	0.39%	0.021%
101	7.394	7.380	7.407	VV	1749	16993	0.24%	0.013%
102	7.421	7.407	7.449	VV	1375	18350	0.26%	0.014%
103	7.466	7.449	7.477	VV	670	8009	0.11%	0.006%
104	7.491	7.477	7.503	VV	1070	12079	0.17%	0.009%
105	7.517	7.503	7.536	VV	1278	14976	0.21%	0.011%
106	7.559	7.536	7.563	VV	418	4039	0.06%	0.003%
107	7.582	7.563	7.590	VV	705	7892	0.11%	0.006%
108	7.601	7.590	7.618	VV	905	10324	0.14%	0.008%
109	7.637	7.618	7.655	VV	645	10208	0.14%	0.008%
110	7.658	7.655	7.668	VV	571	3784	0.05%	0.003%
111	7.686	7.668	7.706	VV	1797	21413	0.30%	0.016%
112	7.741	7.706	7.793	VV	757521	7137015	100.00%	5.375%
113	7.834	7.793	7.871	VV	1142	30790	0.43%	0.023%
114	7.884	7.871	7.889	VV	441	3250	0.05%	0.002%
115	7.908	7.889	7.928	VV	776	9763	0.14%	0.007%
116	7.946	7.928	7.970	VV	439	6561	0.09%	0.005%
117	7.990	7.970	8.022	VV	891	12556	0.18%	0.009%
118	8.052	8.022	8.065	VV	485	7823	0.11%	0.006%
119	8.083	8.065	8.122	VV	550	10670	0.15%	0.008%
120	8.135	8.122	8.140	VV	424	3610	0.05%	0.003%
121	8.146	8.140	8.150	VV	432	2002	0.03%	0.002%
122	8.154	8.150	8.158	VV	373	1569	0.02%	0.001%
123	8.169	8.158	8.180	VV	523	5433	0.08%	0.004%
124	8.196	8.180	8.220	VV	895	15002	0.21%	0.011%
125	8.231	8.220	8.239	VV	467	4283	0.06%	0.003%
126	8.244	8.239	8.257	VV	417	4010	0.06%	0.003%
127	8.263	8.257	8.266	VV	488	2356	0.03%	0.002%
128	8.294	8.266	8.340	VV	51194	522213	7.32%	0.393%
129	8.357	8.340	8.375	VV	533	4738	0.07%	0.004%
130	8.410	8.375	8.440	VV	601160	5799931	81.27%	4.368%
131	8.443	8.440	8.480	VV	987	10704	0.15%	0.008%
132	8.488	8.480	8.510	VV	527	6030	0.08%	0.005%
133	8.528	8.510	8.560	VV	1003	12973	0.18%	0.010%
134	8.566	8.560	8.573	PV	291	1179	0.02%	0.001%
135	8.607	8.573	8.650	VV	459147	4572812	64.07%	3.444%
136	8.659	8.650	8.675	VV	1700	17915	0.25%	0.013%
137	8.706	8.675	8.742	VV	610242	5893027	82.57%	4.438%
138	8.749	8.742	8.771	VV	1026	13757	0.19%	0.010%
139	8.782	8.771	8.789	VV	942	8188	0.11%	0.006%
140	8.805	8.789	8.814	VV	849	10603	0.15%	0.008%
141	8.843	8.814	8.875	VV	1174	28758	0.40%	0.022%

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142	8.896	8.875	8.907	VV	737	8100	0.11%	0.006%
143	8.911	8.907	8.930	VV	558	5174	0.07%	0.004%
144	8.945	8.930	8.960	VV	877	9062	0.13%	0.007%
145	8.976	8.960	8.987	VV	1142	11593	0.16%	0.009%
146	9.013	8.987	9.035	VV	70769	696871	9.76%	0.525%
147	9.043	9.035	9.061	VV	2681	32072	0.45%	0.024%
148	9.068	9.061	9.083	VV	1202	13831	0.19%	0.010%
149	9.098	9.083	9.116	VV	2162	28387	0.40%	0.021%
150	9.132	9.116	9.153	VV	2788	39806	0.56%	0.030%
151	9.168	9.153	9.188	VV	1838	21449	0.30%	0.016%
152	9.203	9.188	9.232	VV	736	10618	0.15%	0.008%
153	9.251	9.232	9.273	VV	496	7241	0.10%	0.005%
154	9.300	9.273	9.326	VV	669	13441	0.19%	0.010%
155	9.335	9.326	9.375	VV	716	10515	0.15%	0.008%
156	9.406	9.375	9.435	PV	658	15266	0.21%	0.011%
157	9.446	9.435	9.449	VV	449	3024	0.04%	0.002%
158	9.488	9.449	9.517	VV	616330	6193766	86.78%	4.665%
159	9.523	9.517	9.533	VV	523	4718	0.07%	0.004%
160	9.542	9.533	9.547	VV	570	3910	0.05%	0.003%
161	9.554	9.547	9.577	VV	583	7270	0.10%	0.005%
162	9.582	9.577	9.600	VV	418	3681	0.05%	0.003%
163	9.615	9.600	9.647	VV	837	13610	0.19%	0.010%
164	9.660	9.647	9.680	VV	1009	14523	0.20%	0.011%
165	9.697	9.680	9.718	VV	9801	100850	1.41%	0.076%
166	9.731	9.718	9.738	VV	1612	14320	0.20%	0.011%
167	9.759	9.738	9.790	VV	50239	501977	7.03%	0.378%
168	9.797	9.790	9.802	VV	613	3636	0.05%	0.003%
169	9.827	9.802	9.860	VV	610	14488	0.20%	0.011%
170	9.888	9.860	9.938	VV	49906	539558	7.56%	0.406%
171	9.956	9.938	10.008	VV	486	13333	0.19%	0.010%
172	10.022	10.008	10.028	VV	322	2876	0.04%	0.002%
173	10.036	10.028	10.048	VV	431	3623	0.05%	0.003%
174	10.054	10.048	10.062	VV	297	2275	0.03%	0.002%
175	10.069	10.062	10.092	VV	343	4063	0.06%	0.003%
176	10.101	10.092	10.106	VV	346	1829	0.03%	0.001%
177	10.111	10.106	10.124	VV	202	1381	0.02%	0.001%
178	10.130	10.124	10.147	VV	258	2278	0.03%	0.002%
179	10.167	10.154	10.183	VV	589	6354	0.09%	0.005%
180	10.212	10.183	10.233	VV	633	13027	0.18%	0.010%
181	10.235	10.233	10.244	VV	587	2624	0.04%	0.002%
182	10.249	10.244	10.263	VV	350	3438	0.05%	0.003%
183	10.284	10.263	10.297	VV	665	9466	0.13%	0.007%
184	10.323	10.297	10.338	VV	925	15598	0.22%	0.012%
185	10.351	10.338	10.367	VV	624	8819	0.12%	0.007%
186	10.372	10.367	10.385	VV	524	4422	0.06%	0.003%
187	10.412	10.385	10.440	VV	1212	20188	0.28%	0.015%
188	10.444	10.440	10.449	VV	279	1173	0.02%	0.001%
189	10.454	10.449	10.460	VV	276	1435	0.02%	0.001%
190	10.474	10.460	10.480	VV	472	3509	0.05%	0.003%
191	10.496	10.480	10.505	VV	877	8913	0.12%	0.007%
192	10.515	10.505	10.544	VV	793	13039	0.18%	0.010%
193	10.576	10.544	10.595	VV	732	16804	0.24%	0.013%
194	10.620	10.595	10.651	VV	1435	29882	0.42%	0.023%

rteres								
195	10.674	10.651	10.707	VV	12882	184447	2.58%	0.139%
196	10.718	10.707	10.731	VV	924	10567	0.15%	0.008%
197	10.760	10.731	10.780	VV	1633	29664	0.42%	0.022%
198	10.784	10.780	10.791	VV	551	2846	0.04%	0.002%
199	10.822	10.791	10.828	VV	763	11846	0.17%	0.009%
200	10.851	10.828	10.856	VV	3577	35437	0.50%	0.027%
201	10.886	10.856	10.922	VV	600132	6200328	86.88%	4.670%
202	10.962	10.922	11.014	VV	575876	6054294	84.83%	4.560%
203	11.034	11.014	11.070	VV	1371	30890	0.43%	0.023%
204	11.082	11.070	11.099	VV	589	7838	0.11%	0.006%
205	11.105	11.099	11.112	VV	447	2667	0.04%	0.002%
206	11.122	11.112	11.142	VV	512	7189	0.10%	0.005%
207	11.164	11.142	11.193	VV	4030	45969	0.64%	0.035%
208	11.198	11.193	11.204	VV	270	1045	0.01%	0.001%
209	11.212	11.204	11.227	PV	239	2123	0.03%	0.002%
210	11.258	11.227	11.284	VV	818	12707	0.18%	0.010%
211	11.327	11.284	11.363	VV	48030	546776	7.66%	0.412%
212	11.384	11.363	11.392	VV	507	6824	0.10%	0.005%
213	11.405	11.392	11.458	VV	648	13795	0.19%	0.010%
214	11.515	11.458	11.551	VV	460	15763	0.22%	0.012%
215	11.560	11.551	11.581	VV	400	5293	0.07%	0.004%
216	11.604	11.581	11.613	VV	296	4156	0.06%	0.003%
217	11.651	11.613	11.700	VV	492692	5308920	74.39%	3.999%
218	11.743	11.700	11.762	VV	1617	34745	0.49%	0.026%
219	11.778	11.762	11.795	VV	1116	16936	0.24%	0.013%
220	11.811	11.795	11.842	VV	2068	32561	0.46%	0.025%
221	11.858	11.842	11.885	VV	793	11913	0.17%	0.009%
222	11.927	11.885	11.943	VV	771	16146	0.23%	0.012%
223	11.991	11.943	12.016	VV	1012	33333	0.47%	0.025%
224	12.046	12.016	12.071	VV	8389	105196	1.47%	0.079%
225	12.089	12.071	12.112	VV	867	14367	0.20%	0.011%
226	12.133	12.112	12.148	VV	633	11550	0.16%	0.009%
227	12.155	12.148	12.185	VV	754	10875	0.15%	0.008%
228	12.237	12.185	12.313	VV	21936	336911	4.72%	0.254%
229	12.328	12.313	12.346	VV	1390	25057	0.35%	0.019%
230	12.356	12.346	12.397	VV	1546	36787	0.52%	0.028%
231	12.403	12.397	12.415	VV	1137	11005	0.15%	0.008%
232	12.426	12.415	12.440	VV	1120	14805	0.21%	0.011%
233	12.495	12.440	12.541	VV	4573	115834	1.62%	0.087%
234	12.571	12.541	12.598	VV	1788	32541	0.46%	0.025%
235	12.632	12.598	12.662	VV	50269	600247	8.41%	0.452%
236	12.701	12.662	12.789	VV	556235	6263088	87.76%	4.717%
237	12.797	12.789	12.818	VV	533	7844	0.11%	0.006%
238	12.834	12.818	12.853	VV	665	9631	0.13%	0.007%
239	12.882	12.853	12.938	VV	6827	94205	1.32%	0.071%
240	12.999	12.938	13.026	VV	539333	6078214	85.16%	4.578%
241	13.076	13.026	13.112	VV	77416	990980	13.89%	0.746%
242	13.126	13.112	13.162	VV	871	22161	0.31%	0.017%
243	13.169	13.162	13.199	VV	735	14113	0.20%	0.011%
244	13.241	13.199	13.273	VV	44275	537543	7.53%	0.405%
245	13.295	13.273	13.327	VV	4520	63066	0.88%	0.047%
246	13.360	13.327	13.372	VV	693	13625	0.19%	0.010%

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247	13.393	13.372	13.407	VV	770	11496	0.16%	0.009%
248	13.417	13.407	13.435	VV	797	12072	0.17%	0.009%
249	13.469	13.435	13.565	VV	9242	204728	2.87%	0.154%
250	13.576	13.565	13.610	VV	1276	27542	0.39%	0.021%
251	13.618	13.610	13.628	VV	980	10198	0.14%	0.008%
252	13.646	13.628	13.665	VV	1230	21800	0.31%	0.016%
253	13.695	13.665	13.722	VV	1093	30610	0.43%	0.023%
254	13.742	13.722	13.750	VV	800	12043	0.17%	0.009%
255	13.777	13.750	13.798	VV	3361	51124	0.72%	0.039%
256	13.826	13.798	13.880	VV	42985	547530	7.67%	0.412%
257	13.882	13.880	13.907	VV	735	8837	0.12%	0.007%
258	13.913	13.907	13.944	VV	617	11076	0.16%	0.008%
259	13.952	13.944	13.987	VV	649	11331	0.16%	0.009%
260	13.993	13.987	14.011	VV	464	5940	0.08%	0.004%
261	14.027	14.011	14.054	VV	520	11192	0.16%	0.008%
262	14.072	14.054	14.085	VV	510	8933	0.13%	0.007%
263	14.123	14.085	14.140	VV	585	14659	0.21%	0.011%
264	14.217	14.140	14.238	VV	1370	37762	0.53%	0.028%
265	14.261	14.238	14.291	VV	1781	33549	0.47%	0.025%
266	14.302	14.291	14.311	VV	735	7678	0.11%	0.006%
267	14.324	14.311	14.334	VV	736	8606	0.12%	0.006%
268	14.386	14.334	14.403	VV	861	27037	0.38%	0.020%
269	14.423	14.403	14.437	VV	827	12432	0.17%	0.009%
270	14.490	14.437	14.524	VV	1100	41464	0.58%	0.031%
271	14.554	14.524	14.585	VV	1157	31256	0.44%	0.024%
272	14.594	14.585	14.624	VV	784	14381	0.20%	0.011%
273	14.677	14.624	14.692	VV	677	23112	0.32%	0.017%
274	14.708	14.692	14.725	VV	854	14142	0.20%	0.011%
275	14.738	14.725	14.750	VV	856	11962	0.17%	0.009%
276	14.766	14.750	14.818	VV	1360	32469	0.45%	0.024%
277	14.871	14.818	14.890	VV	446411	5623662	78.80%	4.236%
278	14.915	14.890	14.955	VV	481318	5915506	82.88%	4.455%
279	14.971	14.955	15.040	VV	3752	75377	1.06%	0.057%
280	15.059	15.040	15.074	VV	758	12314	0.17%	0.009%
281	15.097	15.074	15.135	VV	916	24669	0.35%	0.019%
282	15.155	15.135	15.176	VV	935	17516	0.25%	0.013%
283	15.214	15.176	15.258	VV	893	31154	0.44%	0.023%
284	15.301	15.258	15.378	VV	25158	363928	5.10%	0.274%
285	15.401	15.378	15.427	VV	2212	37301	0.52%	0.028%
286	15.462	15.427	15.486	VV	2173	46515	0.65%	0.035%
287	15.499	15.486	15.552	VV	930	31124	0.44%	0.023%
288	15.577	15.552	15.625	VV	1764	40131	0.56%	0.030%
289	15.662	15.625	15.701	VV	1087	34796	0.49%	0.026%
290	15.723	15.701	15.742	VV	857	18185	0.25%	0.014%
291	15.773	15.742	15.797	VV	1831	36943	0.52%	0.028%
292	15.820	15.797	15.855	VV	1741	41884	0.59%	0.032%
293	15.866	15.855	15.875	VV	887	9442	0.13%	0.007%
294	15.907	15.875	15.917	VV	1477	26554	0.37%	0.020%
295	15.946	15.917	15.980	VV	37777	497690	6.97%	0.375%
296	16.006	15.980	16.036	VV	2919	48660	0.68%	0.037%
297	16.112	16.036	16.129	VV	1054	33984	0.48%	0.026%
298	16.149	16.129	16.187	VV	1178	29741	0.42%	0.022%
299	16.203	16.187	16.228	VV	842	16629	0.23%	0.013%

					rterres			
300	16.236	16.228	16.265	VV	673	13041	0.18%	0.010%
301	16.311	16.265	16.362	VV	10995	186303	2.61%	0.140%
302	16.423	16.362	16.438	VV	387799	5614793	78.67%	4.229%
303	16.458	16.438	16.487	VV	458007	5422995	75.98%	4.084%
304	16.507	16.487	16.532	VV	2590	49679	0.70%	0.037%
305	16.558	16.532	16.587	VV	2637	56225	0.79%	0.042%
306	16.599	16.587	16.617	VV	1331	21377	0.30%	0.016%
307	16.622	16.617	16.634	VV	1192	11731	0.16%	0.009%
308	16.666	16.634	16.696	VV	3354	67269	0.94%	0.051%
309	16.732	16.696	16.753	VV	1444	43439	0.61%	0.033%
310	16.803	16.753	16.835	VV	410859	5306290	74.35%	3.997%
311	16.891	16.835	16.927	VV	43151	619081	8.67%	0.466%
312	16.966	16.927	16.999	VV	3351	90055	1.26%	0.068%
313	17.009	16.999	17.023	VV	1267	17636	0.25%	0.013%
314	17.034	17.023	17.066	VV	1441	30473	0.43%	0.023%
315	17.080	17.066	17.090	VV	1163	16039	0.22%	0.012%
316	17.096	17.090	17.107	VV	1073	11187	0.16%	0.008%
317	17.126	17.107	17.143	VV	1459	26952	0.38%	0.020%
318	17.148	17.143	17.163	VV	1272	14341	0.20%	0.011%
319	17.170	17.163	17.219	VV	1241	38760	0.54%	0.029%
320	17.252	17.219	17.313	VV	6221	155744	2.18%	0.117%
321	17.339	17.313	17.391	VV	3581	100367	1.41%	0.076%
322	17.423	17.391	17.472	VV	1803	71790	1.01%	0.054%
323	17.525	17.472	17.535	PV	1363	44955	0.63%	0.034%
324	17.556	17.535	17.609	VV	1547	61312	0.86%	0.046%
325	17.671	17.609	17.685	VV	1709	60025	0.84%	0.045%
326	17.710	17.685	17.726	VV	1640	37273	0.52%	0.028%
327	17.777	17.726	17.813	VV	34386	514710	7.21%	0.388%
328	17.822	17.813	17.831	VV	1180	10989	0.15%	0.008%
329	17.865	17.831	17.893	VV	3733	71997	1.01%	0.054%
330	17.916	17.893	17.935	VV	1115	24717	0.35%	0.019%
331	17.960	17.935	17.972	VV	1009	19866	0.28%	0.015%
332	18.002	17.972	18.027	VV	1542	37453	0.52%	0.028%
333	18.043	18.027	18.085	VV	1140	30602	0.43%	0.023%
334	18.170	18.085	18.185	VV	383496	5767377	80.81%	4.344%
335	18.208	18.185	18.248	VV	381698	5024835	70.41%	3.785%
336	18.260	18.248	18.271	VV	1255	15067	0.21%	0.011%
337	18.291	18.271	18.310	VV	1518	28604	0.40%	0.022%
338	18.335	18.310	18.371	VV	6452	92103	1.29%	0.069%
339	18.426	18.371	18.482	VV	387562	5301345	74.28%	3.993%
340	18.507	18.482	18.533	VV	3246	57138	0.80%	0.043%
341	18.550	18.533	18.568	VV	1074	19629	0.28%	0.015%
342	18.606	18.568	18.675	VV	31640	477711	6.69%	0.360%
343	18.704	18.675	18.735	VV	3735	60728	0.85%	0.046%
344	18.747	18.735	18.814	VV	1021	30001	0.42%	0.023%
345	18.820	18.814	18.842	VV	437	3306	0.05%	0.002%
346	18.894	18.842	18.921	PV	3395	54337	0.76%	0.041%
347	18.956	18.921	18.986	PV	9124	146901	2.06%	0.111%
Sum of corrected areas:					132772043			



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:

FC050225AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC068748.D	n-Octatriacontane (C38)	yogesh	5/5/2025 11:56:48 AM	mohammad	5/6/2025 4:46:17	Peak Integrated by Software



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

Manual Integration Report

Sequence:

FC050625AL

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:	FC050825AL	Instrument	FID_c
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC068808.D	n-Octatriacontane (C38)	yogesh	5/9/2025 10:13:29 AM	mohammad	5/12/2025 1:56:48	Peak Integrated by Software



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

Manual Integration Report

Sequence:

FD050125AR

Instrument

FID_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

FD050225AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167840BS	FD049311.D	Bnezo[k]fluoranthene (C30.14)	yogesh	5/6/2025 2:52:59 PM	mohammad	5/7/2025 6:08:18	Peak Integrated by Software
PB167840BS	FD049311.D	Dibenz[a,h]anthracene (C30.36)	yogesh	5/6/2025 2:52:59 PM	mohammad	5/7/2025 6:08:18	Peak Integrated by Software
PB167840BSD	FD049312.D	Bnezo[k]fluoranthene (C30.14)	yogesh	5/6/2025 2:52:56 PM	mohammad	5/7/2025 6:08:18	Peak Integrated by Software
PB167840BSD	FD049312.D	Dibenz[a,h]anthracene (C30.36)	yogesh	5/6/2025 2:52:56 PM	mohammad	5/7/2025 6:08:18	Peak Integrated by Software

Manual Integration Report

Sequence:	FD050825AR	Instrument	FID_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167903BS	FD049320.D	Bnezo[k]fluoranthene (C30.14)	yogesh	5/9/2025 10:42:13 AM	mohammad	5/12/2025 1:56:54	Peak Integrated by Software
PB167903BSD	FD049321.D	Bnezo[k]fluoranthene (C30.14)	yogesh	5/9/2025 10:42:15 AM	mohammad	5/12/2025 1:56:54	Peak Integrated by Software

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 # FC050225AL

Review By	yogesh	Review On	5/2/2025 10:00:15 AM
Supervise By	mohammad	Supervise On	5/6/2025 4:46:28 AM
SubDirectory	FC050225AL	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	FC068740.D	02 May 2025 09:42	YP/AJ	Ok
2	I.BLK	FC068741.D	02 May 2025 10:17	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068742.D	02 May 2025 10:53	YP/AJ	Ok
4	PB167840BL	FC068743.D	02 May 2025 11:36	YP/AJ	Ok
5	PB167840BS	FC068744.D	02 May 2025 13:26	YP/AJ	Ok
6	PB167840BSD	FC068745.D	02 May 2025 14:03	YP/AJ	Ok
7	Q1901-06	FC068746.D	02 May 2025 14:40	YP/AJ	Ok
8	I.BLK	FC068747.D	02 May 2025 15:18	YP/AJ	Ok
9	20 PPM ALIPHATIC HC STD	FC068748.D	02 May 2025 15:56	YP/AJ	Ok,M
10	PB167833BL	FC068749.D	02 May 2025 16:33	YP/AJ	Ok
11	PB167833BS	FC068750.D	02 May 2025 17:11	YP/AJ	Ok
12	PB167833BSD	FC068751.D	02 May 2025 17:49	YP/AJ	Ok
13	Q1928-01	FC068752.D	02 May 2025 18:27	YP/AJ	Ok
14	Q1928-01D	FC068753.D	02 May 2025 19:05	YP/AJ	Ok
15	Q1928-01MS	FC068754.D	02 May 2025 19:42	YP/AJ	Ok
16	Q1928-01MSD	FC068755.D	02 May 2025 20:19	YP/AJ	Ok
17	Q1928-02	FC068756.D	02 May 2025 20:57	YP/AJ	ReRun
18	I.BLK	FC068757.D	02 May 2025 22:11	YP/AJ	Ok
19	20 PPM ALIPHATIC HC STD	FC068758.D	02 May 2025 22:47	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC050625AL

Review By	yogesh	Review On	5/6/2025 2:50:27 PM
Supervise By	mohammad	Supervise On	5/8/2025 2:15:32 AM
SubDirectory	FC050625AL	HP Acquire Method	HP Processing Method FC050625AL
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	FC068779.D	06 May 2025 14:18	YP/AJ	Ok
2	I.BLK	FC068780.D	06 May 2025 14:55	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068781.D	06 May 2025 15:33	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068782.D	06 May 2025 16:11	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC068783.D	06 May 2025 16:48	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC068784.D	06 May 2025 17:26	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC068785.D	06 May 2025 18:03	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC068786.D	06 May 2025 18:40	YP/AJ	Ok
9	I.BLK	FC068787.D	06 May 2025 19:55	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC068788.D	06 May 2025 20:33	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC050825AL

Review By	yogesh	Review On	5/8/2025 12:22:05 PM
Supervise By	mohammad	Supervise On	5/12/2025 1:56:48 AM
SubDirectory	FC050825AL	HP Acquire Method	HP Processing Method FC050625AL
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	FC068789.D	08 May 2025 08:53	YP/AJ	Ok
2	I.BLK	FC068790.D	08 May 2025 09:30	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068791.D	08 May 2025 10:08	YP/AJ	Ok
4	PB167903BL	FC068792.D	08 May 2025 12:24	YP/AJ	Ok
5	PB167903BS	FC068793.D	08 May 2025 13:01	YP/AJ	Ok
6	PB167903BSD	FC068794.D	08 May 2025 13:38	YP/AJ	Ok
7	Q1872-16	FC068795.D	08 May 2025 14:20	YP/AJ	Dilution
8	Q1872-16DL	FC068796.D	08 May 2025 15:19	YP/AJ	Dilution
9	Q1872-16DL2	FC068797.D	08 May 2025 15:57	YP/AJ	Ok
10	I.BLK	FC068798.D	08 May 2025 16:36	YP/AJ	Ok
11	20 PPM ALIPHATIC HC STD	FC068799.D	08 May 2025 17:14	YP/AJ	Ok
12	Q1901-02	FC068800.D	08 May 2025 18:31	YP/AJ	Ok
13	Q1901-03	FC068801.D	08 May 2025 19:09	YP/AJ	Ok
14	Q1901-04	FC068802.D	08 May 2025 19:47	YP/AJ	Ok
15	Q1901-04D	FC068803.D	08 May 2025 20:25	YP/AJ	Ok
16	Q1901-04MS	FC068804.D	08 May 2025 21:04	YP/AJ	Ok
17	Q1901-04MSD	FC068805.D	08 May 2025 21:41	YP/AJ	Ok
18	Q1901-05	FC068806.D	08 May 2025 22:19	YP/AJ	Ok
19	I.BLK	FC068807.D	08 May 2025 22:56	YP/AJ	Ok
20	20 PPM ALIPHATIC HC STD	FC068808.D	08 May 2025 23:34	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD050125AR

Review By	yogesh	Review On	5/1/2025 11:47:04 AM
Supervise By	mohammad	Supervise On	5/5/2025 4:36:32 AM
SubDirectory	FD050125AR	HP Acquire Method	HP Processing Method FD050125AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24501,PP24506		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049296.D	01 May 2025 09:18	YP/AJ	Ok
2	I.BLK	FD049297.D	01 May 2025 09:54	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD049298.D	01 May 2025 10:30	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD049299.D	01 May 2025 11:07	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD049300.D	01 May 2025 11:42	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD049301.D	01 May 2025 12:18	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD049302.D	01 May 2025 12:55	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD049303.D	01 May 2025 13:31	YP/AJ	Ok
9	I.BLK	FD049304.D	01 May 2025 14:07	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD049305.D	01 May 2025 14:44	YP/AJ	Ok
11	PP24499	FD049306.D	01 May 2025 15:20	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD050225AR

Review By	yogesh	Review On	5/2/2025 10:02:01 AM
Supervise By	mohammad	Supervise On	5/7/2025 6:08:18 AM
SubDirectory	FD050225AR	HP Acquire Method	HP Processing Method FD050125AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC	PP24503		
Internal Standard/PEM			
ICV/I.BLK	PP24501,PP24506		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049307.D	02 May 2025 09:42	YP/AJ	Ok
2	I.BLK	FD049308.D	02 May 2025 10:17	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049309.D	02 May 2025 10:53	YP/AJ	Ok
4	PB167840BL	FD049310.D	02 May 2025 11:36	YP/AJ	Ok
5	PB167840BS	FD049311.D	02 May 2025 13:26	YP/AJ	Ok,M
6	PB167840BSD	FD049312.D	02 May 2025 14:03	YP/AJ	Ok,M
7	Q1901-06	FD049313.D	02 May 2025 14:40	YP/AJ	Ok
8	I.BLK	FD049314.D	02 May 2025 15:18	YP/AJ	Ok
9	20 PPM AROMATIC HC STD	FD049315.D	02 May 2025 15:56	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD050825AR

Review By	yogesh	Review On	5/8/2025 12:23:41 PM
Supervise By	mohammad	Supervise On	5/12/2025 1:56:54 AM
SubDirectory	FD050825AR	HP Acquire Method	HP Processing Method FD050125AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC Internal Standard/PEM	PP24503		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24501,PP24506		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049316.D	08 May 2025 08:53	YP/AJ	Ok
2	I.BLK	FD049317.D	08 May 2025 09:30	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049318.D	08 May 2025 10:08	YP/AJ	Ok
4	PB167903BL	FD049319.D	08 May 2025 12:24	YP/AJ	Ok
5	PB167903BS	FD049320.D	08 May 2025 13:01	YP/AJ	Ok,M
6	PB167903BSD	FD049321.D	08 May 2025 13:38	YP/AJ	Ok,M
7	Q1872-16	FD049322.D	08 May 2025 14:20	YP/AJ	Ok
8	Q1872-16DL	FD049323.D	08 May 2025 15:19	YP/AJ	Not Ok
9	I.BLK	FD049324.D	08 May 2025 15:57	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD049325.D	08 May 2025 16:36	YP/AJ	Ok
11	Q1901-02	FD049326.D	08 May 2025 17:53	YP/AJ	Ok
12	Q1901-03	FD049327.D	08 May 2025 18:31	YP/AJ	Ok
13	Q1901-04	FD049328.D	08 May 2025 19:09	YP/AJ	Ok
14	Q1901-04D	FD049329.D	08 May 2025 19:47	YP/AJ	Ok
15	Q1901-04MS	FD049330.D	08 May 2025 20:25	YP/AJ	Ok
16	Q1901-04MSD	FD049331.D	08 May 2025 21:04	YP/AJ	Ok
17	Q1901-05	FD049332.D	08 May 2025 21:41	YP/AJ	Ok
18	I.BLK	FD049333.D	08 May 2025 22:56	YP/AJ	Ok
19	20 PPM AROMATIC HC STD	FD049334.D	08 May 2025 23:34	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 # FC050225AL

Review By	yogesh	Review On	5/2/2025 10:00:15 AM
Supervise By	mohammad	Supervise On	5/6/2025 4:46:28 AM
SubDirectory	FC050225AL	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	FC068740.D	02 May 2025 09:42		YP/AJ	Ok
2	I.BLK	I.BLK	FC068741.D	02 May 2025 10:17		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068742.D	02 May 2025 10:53		YP/AJ	Ok
4	PB167840BL	PB167840BL	FC068743.D	02 May 2025 11:36		YP/AJ	Ok
5	PB167840BS	PB167840BS	FC068744.D	02 May 2025 13:26	naphthalene break down - 0.194, 2-methylnepthalene break down - 0.352	YP/AJ	Ok
6	PB167840BSD	PB167840BSD	FC068745.D	02 May 2025 14:03	naphthalene break down - 0.194, 2-methylnepthalene break down - 0.331	YP/AJ	Ok
7	Q1901-06	FB04262025	FC068746.D	02 May 2025 14:40		YP/AJ	Ok
8	I.BLK	I.BLK	FC068747.D	02 May 2025 15:18		YP/AJ	Ok
9	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068748.D	02 May 2025 15:56		YP/AJ	Ok,M
10	PB167833BL	PB167833BL	FC068749.D	02 May 2025 16:33		YP/AJ	Ok
11	PB167833BS	PB167833BS	FC068750.D	02 May 2025 17:11		YP/AJ	Ok
12	PB167833BSD	PB167833BSD	FC068751.D	02 May 2025 17:49		YP/AJ	Ok
13	Q1928-01	MH-Q	FC068752.D	02 May 2025 18:27		YP/AJ	Ok
14	Q1928-01D	Q1928-01D	FC068753.D	02 May 2025 19:05		YP/AJ	Ok
15	Q1928-01MS	MH-QMS	FC068754.D	02 May 2025 19:42	FC068752.D	YP/AJ	Ok
16	Q1928-01MSD	MH-QMSD	FC068755.D	02 May 2025 20:19	FC068752.D!FC068754.D	YP/AJ	Ok

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC050225AL

Review By	yogesh	Review On	5/2/2025 10:00:15 AM
Supervise By	mohammad	Supervise On	5/6/2025 4:46:28 AM
SubDirectory	FC050225AL	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		

17	Q1928-02	MH-Q-EPH	FC068756.D	02 May 2025 20:57	Surrogate Fail	YP/AJ	ReRun
18	I.BLK	I.BLK	FC068757.D	02 May 2025 22:11		YP/AJ	Ok
19	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068758.D	02 May 2025 22:47		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC050625AL

Review By	yogesh	Review On	5/6/2025 2:50:27 PM
Supervise By	mohammad	Supervise On	5/8/2025 2:15:32 AM
SubDirectory	FC050625AL	HP Acquire Method	HP Processing Method FC050625AL
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	FC068779.D	06 May 2025 14:18		YP/AJ	Ok
2	I.BLK	I.BLK	FC068780.D	06 May 2025 14:55		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC068781.D	06 May 2025 15:33		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068782.D	06 May 2025 16:11		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068783.D	06 May 2025 16:48		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC068784.D	06 May 2025 17:26		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC068785.D	06 May 2025 18:03		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068786.D	06 May 2025 18:40		YP/AJ	Ok
9	I.BLK	I.BLK	FC068787.D	06 May 2025 19:55		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068788.D	06 May 2025 20:33		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC050825AL

Review By	yogesh	Review On	5/8/2025 12:22:05 PM
Supervise By	mohammad	Supervise On	5/12/2025 1:56:48 AM
SubDirectory	FC050825AL	HP Acquire Method	HP Processing Method FC050625AL
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	FC068789.D	08 May 2025 08:53		YP/AJ	Ok
2	I.BLK	I.BLK	FC068790.D	08 May 2025 09:30		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068791.D	08 May 2025 10:08		YP/AJ	Ok
4	PB167903BL	PB167903BL	FC068792.D	08 May 2025 12:24		YP/AJ	Ok
5	PB167903BS	PB167903BS	FC068793.D	08 May 2025 13:01	naphthalene break down - 0.247, 2-methylnepthalene break down - 0.300	YP/AJ	Ok
6	PB167903BSD	PB167903BSD	FC068794.D	08 May 2025 13:38	naphthalene break down - 0.195, 2-methylnepthalene break down - 0.321	YP/AJ	Ok
7	Q1872-16	HW0425-PT-NJEPH-S	FC068795.D	08 May 2025 14:20	Need 5X,10X	YP/AJ	Dilution
8	Q1872-16DL	HW0425-PT-NJEPH-S	FC068796.D	08 May 2025 15:19	need further dilution	YP/AJ	Dilution
9	Q1872-16DL2	HW0425-PT-NJEPH-S	FC068797.D	08 May 2025 15:57		YP/AJ	Ok
10	I.BLK	I.BLK	FC068798.D	08 May 2025 16:36		YP/AJ	Ok
11	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068799.D	08 May 2025 17:14		YP/AJ	Ok
12	Q1901-02	B-167-SB01	FC068800.D	08 May 2025 18:31		YP/AJ	Ok
13	Q1901-03	B-170-SB01	FC068801.D	08 May 2025 19:09		YP/AJ	Ok
14	Q1901-04	B-167-SB02	FC068802.D	08 May 2025 19:47		YP/AJ	Ok
15	Q1901-04D	Q1901-04D	FC068803.D	08 May 2025 20:25		YP/AJ	Ok
16	Q1901-04MS	B-167-SB02MS	FC068804.D	08 May 2025 21:04	FC068802.D	YP/AJ	Ok

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC050825AL

Review By	yogesh	Review On	5/8/2025 12:22:05 PM
Supervise By	mohammad	Supervise On	5/12/2025 1:56:48 AM
SubDirectory	FC050825AL	HP Acquire Method	HP Processing Method FC050625AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

17	Q1901-04MSD	B-167-SB02MSD	FC068805.D	08 May 2025 21:41	FC068802.D!FC068804.D	YP/AJ	Ok
18	Q1901-05	B-170-SB02	FC068806.D	08 May 2025 22:19		YP/AJ	Ok
19	I.BLK	I.BLK	FC068807.D	08 May 2025 22:56		YP/AJ	Ok
20	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068808.D	08 May 2025 23:34		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD050125AR

Review By	yogesh	Review On	5/1/2025 11:47:04 AM		
Supervise By	mohammad	Supervise On	5/5/2025 4:36:32 AM		
SubDirectory	FD050125AR	HP Acquire Method	HP Processing Method	FD050125AR	
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		PP24500,PP24502,PP24503,PP24504,PP24505			
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		PP24501,PP24506			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049296.D	01 May 2025 09:18		YP/AJ	Ok
2	I.BLK	I.BLK	FD049297.D	01 May 2025 09:54		YP/AJ	Ok
3	100 PPM AROMATIC HC	100 PPM AROMATIC HC	FD049298.D	01 May 2025 10:30		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD049299.D	01 May 2025 11:07		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049300.D	01 May 2025 11:42		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD049301.D	01 May 2025 12:18		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD049302.D	01 May 2025 12:55		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049303.D	01 May 2025 13:31		YP/AJ	Ok
9	I.BLK	I.BLK	FD049304.D	01 May 2025 14:07		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049305.D	01 May 2025 14:44		YP/AJ	Ok
11	PP24499	PP24499	FD049306.D	01 May 2025 15:20		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD050225AR

Review By	yogesh	Review On	5/2/2025 10:02:01 AM
Supervise By	mohammad	Supervise On	5/7/2025 6:08:18 AM
SubDirectory	FD050225AR	HP Acquire Method	HP Processing Method
			FD050125AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC	PP24503		
Internal Standard/PEM			
ICV/I.BLK	PP24501,PP24506		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049307.D	02 May 2025 09:42		YP/AJ	Ok
2	I.BLK	I.BLK	FD049308.D	02 May 2025 10:17		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049309.D	02 May 2025 10:53		YP/AJ	Ok
4	PB167840BL	PB167840BL	FD049310.D	02 May 2025 11:36		YP/AJ	Ok
5	PB167840BS	PB167840BS	FD049311.D	02 May 2025 13:26	naphthalene break down - 0.194, 2-methylnepthalene break down - 0.352	YP/AJ	Ok,M
6	PB167840BSD	PB167840BSD	FD049312.D	02 May 2025 14:03	naphthalene break down - 0.194, 2-methylnepthalene break down - 0.331	YP/AJ	Ok,M
7	Q1901-06	FB04262025	FD049313.D	02 May 2025 14:40		YP/AJ	Ok
8	I.BLK	I.BLK	FD049314.D	02 May 2025 15:18		YP/AJ	Ok
9	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049315.D	02 May 2025 15:56		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD050825AR

Review By	yogesh	Review On	5/8/2025 12:23:41 PM		
Supervise By	mohammad	Supervise On	5/12/2025 1:56:54 AM		
SubDirectory	FD050825AR	HP Acquire Method	HP Processing Method	FD050125AR	
STD. NAME		STD REF.#			
Tune/Reschk		PP24500,PP24502,PP24503,PP24504,PP24505			
Initial Calibration Stds					
CCC					
Internal Standard/PEM					
ICV/I.BLK					
Surrogate Standard		PP24501,PP24506			
MS/MSD Standard					
LCS Standard					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049316.D	08 May 2025 08:53		YP/AJ	Ok
2	I.BLK	I.BLK	FD049317.D	08 May 2025 09:30		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049318.D	08 May 2025 10:08		YP/AJ	Ok
4	PB167903BL	PB167903BL	FD049319.D	08 May 2025 12:24		YP/AJ	Ok
5	PB167903BS	PB167903BS	FD049320.D	08 May 2025 13:01	naphthalene break down - 0.247, 2-methylnephthalene break down - 0.300	YP/AJ	Ok,M
6	PB167903BSD	PB167903BSD	FD049321.D	08 May 2025 13:38	naphthalene break down - 0.195, 2-methylnephthalene break down - 0.321	YP/AJ	Ok,M
7	Q1872-16	HW0425-PT-NJEPH-S	FD049322.D	08 May 2025 14:20		YP/AJ	Ok
8	Q1872-16DL	HW0425-PT-NJEPH-S	FD049323.D	08 May 2025 15:19	not required	YP/AJ	Not Ok
9	I.BLK	I.BLK	FD049324.D	08 May 2025 15:57		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049325.D	08 May 2025 16:36		YP/AJ	Ok
11	Q1901-02	B-167-SB01	FD049326.D	08 May 2025 17:53		YP/AJ	Ok
12	Q1901-03	B-170-SB01	FD049327.D	08 May 2025 18:31		YP/AJ	Ok
13	Q1901-04	B-167-SB02	FD049328.D	08 May 2025 19:09		YP/AJ	Ok
14	Q1901-04D	Q1901-04D	FD049329.D	08 May 2025 19:47		YP/AJ	Ok
15	Q1901-04MS	B-167-SB02MS	FD049330.D	08 May 2025 20:25	FD049328.D	YP/AJ	Ok
16	Q1901-04MSD	B-167-SB02MSD	FD049331.D	08 May 2025 21:04	FD049328.D!FD049330.D	YP/AJ	Ok

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD050825AR

Review By	yogesh	Review On	5/8/2025 12:23:41 PM	
Supervise By	mohammad	Supervise On	5/12/2025 1:56:54 AM	
SubDirectory	FD050825AR	HP Acquire Method	HP Processing Method	FD050125AR
STD. NAME	STD REF.#			
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505			
CCC Internal Standard/PEM	PP24503			
ICV/I.BLK Surrogate Standard	PP24501,PP24506			
MS/MSD Standard LCS Standard				

17	Q1901-05	B-170-SB02	FD049332.D	08 May 2025 21:41		YP/AJ	Ok
18	I.BLK	I.BLK	FD049333.D	08 May 2025 22:56		YP/AJ	Ok
19	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049334.D	08 May 2025 23:34		YP/AJ	Ok

M : Manual Integration

A
B
C
D
E
F
G
H
I
J

SOP ID:	MNJDEP-EPH-7		
Clean Up SOP #:	N/A	Extraction Start Date :	05/01/2025
Matrix :	Water	Extraction Start Time :	09:40
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Extraction End Date :	05/01/2025
Balance ID:	N/A	Filter By:	RS
pH Strip Lot#:	E3880	Extraction End Time :	16:10
		pH Meter ID:	N/A
		Concentration By:	EH
		Supervisor By :	RUPESH
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	PP24462
Surrogate	1.0ML	100 PPM	PP24491
Fractionation Surrogate	1.0ML	100 PPM	PP24465
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	EP2607
Hexane	N/A	E3928
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 # 2210443.

KD Bath ID: WATER BATH-1
KD Bath Temperature: 60 °C

Envap ID: NE VAP-02
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/1/25	RS (Ext-64)	Y-P-pestil
16:15	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 05/01/2025

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167840BL	PB167840BL	EPH	1000	<2	RUPESH	Evelyn	2			SEP-1
PB167840BS	PB167840BS	EPH	1000	<2	RUPESH	Evelyn	2			2
PB167840BS D	PB167840BSD	EPH	1000	<2	RUPESH	Evelyn	2			3
Q1901-06	FB04262025	EPH	940	<2	RUPESH	Evelyn	2	J		4

167840
9-160

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1901EPH

WorkList ID : 189286

Department : Extraction

Date : 05-01-2025 09:33:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1901-06	FB04262025	Water	EPH	1:1 HCl to pH < 2	PORT06	L51	04/26/2025	NJEPH

Date/Time 5/1/25 9:35
Raw Sample Received by: RS (E34-ab)
Raw Sample Relinquished by: CP

Date/Time 5/1/25 9:55
Raw Sample Received by: CP
Raw Sample Relinquished by: RS (E34-ab)

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 05/07/2025

Extraction Start Time : 13:37

Extraction End Date : 05/08/2025

Extraction End Time : 11:40

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel

☐ Continous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24462
Surrogate	1.0ML	100 PPM	PP24491
Fractionation Surrogate	1.0ML	100 PPM	PP24499
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2600
Baked Na2SO4	N/A	EP2607
Sand	N/A	E2865
Hexane	N/A	E3933
Methylene Chloride	N/A	E3930
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

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210643.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

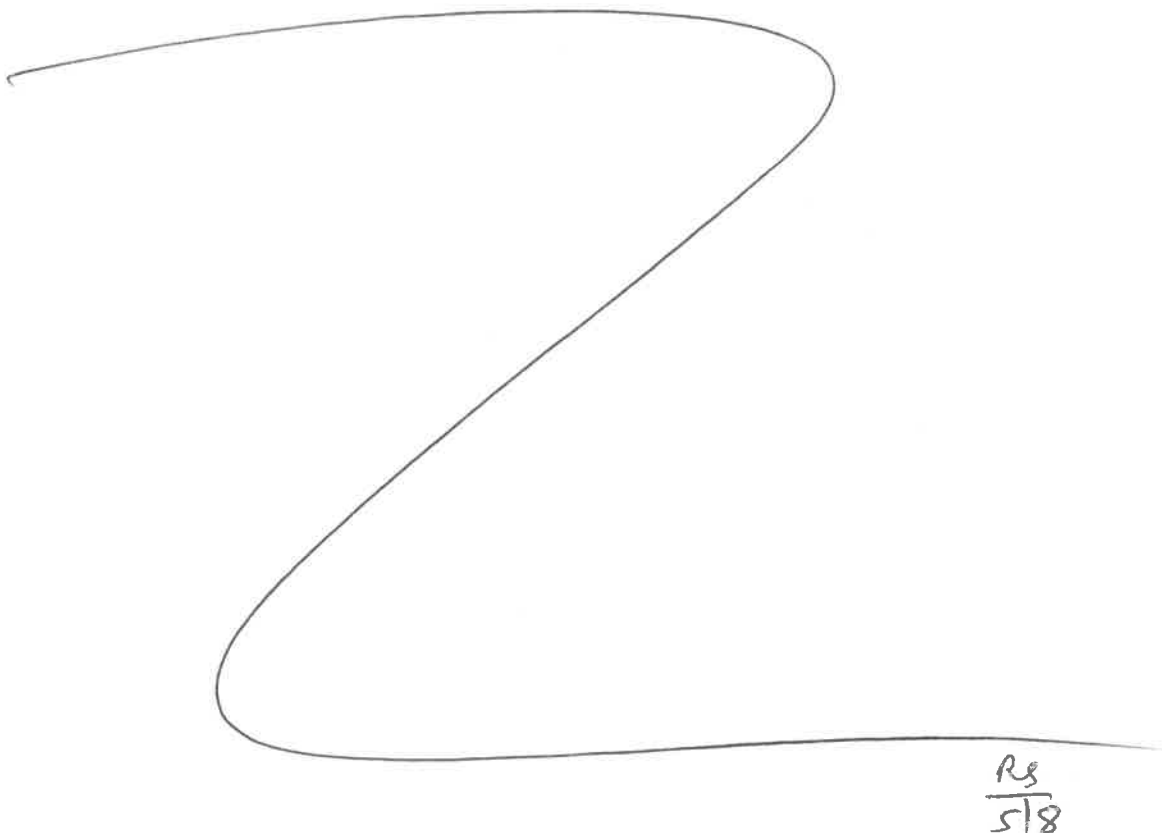
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/18/25	RS (Ext Lab)	T-P-Pest IFSB
11:45	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 05/08/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167903BL	PB167903BL	EPH	30.01	N/A	ritesh	Evelyn	2			U1-1
PB167903BS	PB167903BS	EPH	30.03	N/A	ritesh	Evelyn	2			2
PB167903BSD	PB167903BSD	EPH	30.02	N/A	ritesh	Evelyn	2			3
Q1872-16	HW0425-PT-NJEPH-SOIL	EPH	20.02	N/A	ritesh	Evelyn	2			4
Q1901-02	B-167-SB01	EPH	30.08	N/A	ritesh	Evelyn	2	F		5
Q1901-03	B-170-SB01	EPH	30.05	N/A	ritesh	Evelyn	2	E		6
Q1901-04	B-167-SB02	EPH	30.02	N/A	ritesh	Evelyn	2	E		U2-1
Q1901-04DUP	B-167-SB02DUP	EPH	30.04	N/A	ritesh	Evelyn	2	E		2
Q1901-04MS	B-167-SB02MS	EPH	30.09	N/A	ritesh	Evelyn	2	E		3
Q1901-04MSD	B-167-SB02MSD	EPH	30.07	N/A	ritesh	Evelyn	2	E		4
Q1901-05	B-170-SB02	EPH	30.04	N/A	ritesh	Evelyn	2	E		5



167903
13:37

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1901

WorkList ID : 189385

Department : Extraction

Date : 05-07-2025 13:31:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-16	HW0425-PT-NJEPH-SOIL	Solid	EPH	Cool 4 deg C	ALLI03	QA Of	04/21/2025	NJEPH
Q1901-02	B-167-SB01	Solid	EPH	Cool 4 deg C	PORT06	L51	04/26/2025	NJEPH
Q1901-03	B-170-SB01	Solid	EPH	Cool 4 deg C	PORT06	L51	04/26/2025	NJEPH
Q1901-04	B-167-SB02	Solid	EPH	Cool 4 deg C	PORT06	L51	04/26/2025	NJEPH
Q1901-05	B-170-SB02	Solid	EPH	Cool 4 deg C	PORT06	L51	04/26/2025	NJEPH

Date/Time 5/7/25 13:32

Raw Sample Received by: RJ (EXT Lab)

Raw Sample Relinquished by: [Signature]

Date/Time 5/7/25 14:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: RJ (EXT Lab)

LAB CHRONICLE

OrderID:	Q1901	OrderDate:	4/28/2025 10:24:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1901-02	B-167-SB01	SOIL			04/26/25			04/28/25
			PCB	8082A		04/29/25	04/29/25	
			TPH GC	8015D		04/29/25	04/29/25	
			EPH	NJEPH		05/07/25	05/08/25	
Q1901-03	B-170-SB01	SOIL			04/26/25			04/28/25
			PCB	8082A		04/30/25	04/30/25	
			TPH GC	8015D		04/29/25	04/29/25	
			EPH	NJEPH		05/07/25	05/08/25	
Q1901-04	B-167-SB02	SOIL			04/26/25			04/28/25
			PCB	8082A		04/29/25	04/29/25	
			TPH GC	8015D		04/29/25	04/29/25	
			EPH	NJEPH		05/07/25	05/08/25	
Q1901-05	B-170-SB02	SOIL			04/26/25			04/28/25
			PCB	8082A		04/29/25	04/29/25	
			TPH GC	8015D		04/29/25	04/29/25	
			EPH	NJEPH		05/07/25	05/08/25	
Q1901-06	FB04262025	Water			04/26/25			04/28/25
			EPH	NJEPH		05/01/25	05/02/25	
			PCB	8082A		04/29/25	04/29/25	
Q1901-08	B-167-SB01	TCLP			04/26/25			04/28/25
			TCLP Herbicide	8151A		05/05/25	05/06/25	
			TCLP Pesticide	8081B		05/01/25	05/01/25	
Q1901-09	B-170-SB01	TCLP			04/26/25			04/28/25
			TCLP Herbicide	8151A		05/05/25	05/06/25	
			TCLP Pesticide	8081B		05/01/25	05/01/25	

LAB CHRONICLE

Q1901-10	B-167-SB02	TCLP	04/26/25				04/28/25
			TCLP Herbicide	8151A	05/05/25	05/06/25	
			TCLP Pesticide	8081B	05/01/25	05/01/25	
Q1901-11	B-170-SB02	TCLP	04/26/25				04/28/25
			TCLP Herbicide	8151A	05/05/25	05/06/25	
			TCLP Pesticide	8081B	05/01/25	05/01/25	