



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-202-SB02	SDG No.:	Q2198
Lab Sample ID:	Q2198-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	71.9
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
06/11/25 08:45	06/12/25 2:48	PB168408

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.30	J	1	0.19	1.39	mg/kg	FC069171.D
Aliphatic C12-C16	Aliphatic C12-C16	0.52	J	1	0.15	0.93	mg/kg	FC069171.D
Aliphatic C16-C21	Aliphatic C16-C21	0.51	J	1	0.18	1.39	mg/kg	FC069171.D
Aliphatic C21-C28	Aliphatic C21-C28	0.74	U	1	0.74	1.85	mg/kg	FC069171.D
Aliphatic C28-C40	Aliphatic C28-C40	1.64	U	1	1.64	2.78	mg/kg	FC069171.D
Aromatic C10-C12	Aromatic C10-C12	0.38	J	1	0.17	0.93	mg/kg	FD049446.D
Aromatic C12-C16	Aromatic C12-C16	0.57	J	1	0.32	1.39	mg/kg	FD049446.D
Aromatic C16-C21	Aromatic C16-C21	3.87		1	0.56	2.31	mg/kg	FD049446.D
Aromatic C21-C36	Aromatic C21-C36	2.39	J	1	1.65	3.70	mg/kg	FD049446.D
Total AliphaticEPH	Total AliphaticEPH	2.90	U		2.90	8.34	mg/kg	
Total AromaticEPH	Total AromaticEPH	7.21	J		2.69	8.33	mg/kg	
Total EPH	Total EPH	8.55	J		5.59	16.7	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-202-SB02	SDG No.:	Q2198
Lab Sample ID:	Q2198-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	71.9
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
FC069171.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.30	J	0.19	1.39	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.52	J	0.15	0.93	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.51	J	0.18	1.39	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.74	U	0.74	1.85	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.64	U	1.64	2.78	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.0		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2198-01	Acq On:	12 Jun 2025 02:48
Client Sample ID:	B-202-SB02	Operator:	YP/AJ
Data file:	FC069171.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	3.303	6.605	346355	3.276	300	ug/ml
Aliphatic C12-C16	6.606	10.010	575063	5.639	200	ug/ml
Aliphatic C16-C21	10.011	13.380	542966	5.548	300	ug/ml
Aliphatic C21-C28	13.381	17.048	711682	7.587	400	ug/ml
Aliphatic C28-C40	17.049	22.033	1572284	16.649	600	ug/ml
Aliphatic EPH	3.303	22.033	3748350	38.699		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	3406894	37.98		ug/ml
Aliphatic C9-C28	3.303	17.048	2176066	22.05	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-202-SB02	SDG No.:	Q2198
Lab Sample ID:	Q2198-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	71.9
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
FD049446.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.38	J	0.17	0.93	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.57	J	0.32	1.39	mg/kg
Aromatic C16-C21	Aromatic C16-C21	3.87		0.56	2.31	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.39	J	1.65	3.70	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	39.1		40 - 140	78%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.3		40 - 140	57%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2198-01	Acq On:	12 Jun 2025 02:48
Client Sample ID:	B-202-SB02	Operator:	YP/AJ
Data file:	FD049446.D	Misc:	
Instrument:	FID_D	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.424	6.168	679679	4.062	200	ug/ml
Aromatic C12-C16	6.169	8.797	1161478	6.194	300	ug/ml
Aromatic C16-C21	8.798	13.088	7732346	41.855	500	ug/ml
Aromatic C21-C36	13.089	18.509	3740686	25.788	800	ug/ml
Aromatic EPH	4.424	18.509	13314189	77.898		ug/ml
ortho-Terphenyl (SURR)	11.644	11.644	5682762	28.31		ug/ml
2-Bromonaphthalene (SURR)	7.734	7.734	6493936	39.06		ug/ml
2-Fluorobiphenyl (SURR)	8.599	8.599	4465390	39.03		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/01/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-207-SB02	SDG No.:	Q2198
Lab Sample ID:	Q2198-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	52.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:45	06/12/25 3:27	PB168408

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.36	J	1	0.27	1.92	mg/kg	FC069172.D
Aliphatic C12-C16	Aliphatic C12-C16	0.83	J	1	0.21	1.28	mg/kg	FC069172.D
Aliphatic C16-C21	Aliphatic C16-C21	0.62	J	1	0.25	1.92	mg/kg	FC069172.D
Aliphatic C21-C28	Aliphatic C21-C28	1.02	U	1	1.02	2.55	mg/kg	FC069172.D
Aliphatic C28-C40	Aliphatic C28-C40	2.45	J	1	2.26	3.83	mg/kg	FC069172.D
Aromatic C10-C12	Aromatic C10-C12	0.44	J	1	0.23	1.28	mg/kg	FD049447.D
Aromatic C12-C16	Aromatic C12-C16	0.52	J	1	0.44	1.92	mg/kg	FD049447.D
Aromatic C16-C21	Aromatic C16-C21	2.66	J	1	0.77	3.19	mg/kg	FD049447.D
Aromatic C21-C36	Aromatic C21-C36	3.04	J	1	2.28	5.11	mg/kg	FD049447.D
Total AliphaticEPH	Total AliphaticEPH	4.26	J		4.01	11.5	mg/kg	
Total AromaticEPH	Total AromaticEPH	6.65	J		3.72	11.5	mg/kg	
Total EPH	Total EPH	10.9	J		7.72	23.0	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:	06/01/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-207-SB02	SDG No.:	Q2198
Lab Sample ID:	Q2198-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	52.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069172.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.36	J	0.27	1.92	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.83	J	0.21	1.28	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.62	J	0.25	1.92	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.02	U	1.02	2.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.45	J	2.26	3.83	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	51.3		40 - 140	103%	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:	Q2198-03	Acq On:	12 Jun 2025 03:27
Client Sample ID:	B-207-SB02	Operator:	YP/AJ
Data file:	FC069172.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.605	300108	2.839	300	ug/ml
Aliphatic C12-C16	6.606	10.010	666338	6.534	200	ug/ml
Aliphatic C16-C21	10.011	13.380	473479	4.838	300	ug/ml
Aliphatic C21-C28	13.381	17.048	701712	7.481	400	ug/ml
Aliphatic C28-C40	17.049	22.033	1814208	19.21	600	ug/ml
Aliphatic EPH	3.303	22.033	3955845	40.901		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.116	13.116	4598589	51.26		ug/ml
Aliphatic C9-C28	3.303	17.048	2141637	21.692	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/01/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-207-SB02	SDG No.:	Q2198
Lab Sample ID:	Q2198-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	52.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049447.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.44	J	0.23	1.28	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.52	J	0.44	1.92	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.66	J	0.77	3.19	mg/kg
Aromatic C21-C36	Aromatic C21-C36	3.04	J	2.28	5.11	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	43.2		40 - 140	86%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	42.3		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.9		40 - 140	74%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2198-03	Acq On:	12 Jun 2025 03:27
Client Sample ID:	B-207-SB02	Operator:	YP/AJ
Data file:	FD049447.D	Misc:	
Instrument:	FID_D	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.424	6.168	570310	3.408	200	ug/ml
Aromatic C12-C16	6.169	8.797	759368	4.049	300	ug/ml
Aromatic C16-C21	8.798	13.088	3849368	20.837	500	ug/ml
Aromatic C21-C36	13.089	18.509	3456759	23.83	800	ug/ml
Aromatic EPH	4.424	18.509	8635805	52.124		ug/ml
2-Bromonaphthalene (SURRE)	7.735	7.735	7184963	43.22		ug/ml
2-Fluorobiphenyl (SURRE)	8.600	8.600	4834587	42.26		ug/ml
ortho-Terphenyl (SURRE)	11.646	11.646	7408683	36.91		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-202-GW01	SDG No.:	Q2198
Lab Sample ID:	Q2198-05	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
06/06/25 09:10	06/09/25 18:58	PB168324

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.41	J	1	8.36	30.3	ug/l	FC069138.D
Aliphatic C12-C16	Aliphatic C12-C16	13.6	U	1	13.6	20.2	ug/l	FC069138.D
Aliphatic C16-C21	Aliphatic C16-C21	13.5	J	1	8.42	30.3	ug/l	FC069138.D
Aliphatic C21-C28	Aliphatic C21-C28	17.7	J	1	12.6	40.4	ug/l	FC069138.D
Aliphatic C28-C40	Aliphatic C28-C40	45.9	J	1	24.0	60.6	ug/l	FC069138.D
Aromatic C10-C12	Aromatic C10-C12	9.15	J	1	2.09	20.2	ug/l	FD049425.D
Aromatic C12-C16	Aromatic C12-C16	13.3	J	1	4.30	30.3	ug/l	FD049425.D
Aromatic C16-C21	Aromatic C16-C21	37.0	J	1	8.35	50.5	ug/l	FD049425.D
Aromatic C21-C36	Aromatic C21-C36	42.4	J	1	24.0	80.8	ug/l	FD049425.D
Total AliphaticEPH	Total AliphaticEPH	85.5	J		67.0	182	ug/l	
Total AromaticEPH	Total AromaticEPH	102	J		38.7	182	ug/l	
Total EPH	Total EPH	187	J		106	364	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-202-GW01	SDG No.:	Q2198
Lab Sample ID:	Q2198-05	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990 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
FC069138.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.41	J	8.36	30.3	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	13.6	U	13.6	20.2	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	13.5	J	8.42	30.3	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	17.7	J	12.6	40.4	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	45.9	J	24.0	60.6	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	62.3		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:	Q2198-05	Acq On:	09 Jun 2025 18:58
Client Sample ID:	B-202-GW01	Operator:	YP/AJ
Data file:	FC069138.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.299	6.602	440128	4.163	300	ug/ml
Aliphatic C12-C16	6.603	10.008	661041	6.482	200	ug/ml
Aliphatic C16-C21	10.009	13.379	654679	6.69	300	ug/ml
Aliphatic C21-C28	13.380	17.047	823828	8.782	400	ug/ml
Aliphatic C28-C40	17.048	22.037	2147319	22.738	600	ug/ml
Aliphatic EPH	3.299	22.037	4726995	48.855		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.116	13.116	5587369	62.28		ug/ml
Aliphatic C9-C28	3.299	17.047	2579676	26.117	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-202-GW01	SDG No.:	Q2198
Lab Sample ID:	Q2198-05	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990 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
FD049425.D	1	06/06/25	06/10/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.15	J	2.09	20.2	ug/l
Aromatic C12-C16	Aromatic C12-C16	13.3	J	4.30	30.3	ug/l
Aromatic C16-C21	Aromatic C16-C21	37.0	J	8.35	50.5	ug/l
Aromatic C21-C36	Aromatic C21-C36	42.4	J	24.0	80.8	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	37.2		40 - 140	74%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	35.3		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.3		40 - 140	45%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2198-05	Acq On:	10 Jun 2025 11:50
Client Sample ID:	B-202-GW01	Operator:	YP/AJ
Data file:	FD049425.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	4.425	6.169	757874	4.529	200	ug/ml
Aromatic C12-C16	6.170	8.798	1232842	6.574	300	ug/ml
Aromatic C16-C21	8.799	13.089	3387704	18.338	500	ug/ml
Aromatic C21-C36	13.090	18.511	3044293	20.987	800	ug/ml
Aromatic EPH	4.425	18.511	8422713	50.427		ug/ml
2-Bromonaphthalene (SURR)	7.732	7.732	6191325	37.24		ug/ml
2-Fluorobiphenyl (SURR)	8.598	8.598	4035092	35.27		ug/ml
ortho-Terphenyl (SURR)	11.642	11.642	4467631	22.26		ug/ml



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: Q2198 SAS No.: Q2198 SDG No.: Q2198
Run Number: FC060925AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB168324BL	60			0
PB168324BS	75			0
PB168324BSD	78			0
B-202-GW01	125			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.: Q2198 SAS No.: Q2198 SDG No.: Q2198
Run Number: FC061125AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB168408BL	60			0
PB168408BS	76			0
PB168408BSD	77			0
B-187-SB01MS	139			0
B-187-SB01MSD	136			0
B-202-SB02	76			0
B-207-SB02	103			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.: Q2198 SAS No.: Q2198 SDG No.: Q2198
Run Number: FD060925AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB168324BL	62	61	58	0
PB168324BS	68	67	57	0
PB168324BSD	63	62	53	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

A
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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: Q2198 SAS No.: Q2198 SDG No.: Q2198
Run Number: FD061025AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
B-202-GW01	74	71	45	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

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: Q2198 SAS No.: Q2198 SDG No.: Q2198
Run Number: FD061125AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB168408BL	67	65	63	0
PB168408BS	73	72	62	0
PB168408BSD	67	66	57	0
B-202-SB02	78	78	57	0
B-207-SB02	86	85	74	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.: Q2198 SAS No.: Q2198 SDG No.: Q2198
Run Number: FD061325AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
B-187-SB01MS	76	74	65	0
B-187-SB01MSD	77	75	66	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:	<u>Chemtech</u>	Client:	<u>Portal Partners Tri-Venture</u>		
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2198</u>	SAS No :	<u>Q2198</u>
				SDG No:	<u>Q2198</u>
Sample No :	<u>Q2177-02MS</u>	Datafile:	<u>FC069165.D</u>	Client ID :	<u>B-187-SB01MS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	11.9	1.10	7.50	54		(40-140)
Aliphatic C12-C16	7.9	3.37	9.37	76		(40-140)
Aliphatic C16-C21	11.9	0.65	8.98	70		(40-140)
Aliphatic C21-C28	15.8	5.91	17.2	71		(40-140)
Aliphatic C28-C40	23.7	6.40	22.5	68		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Portal Partners Tri-Venture</u>		
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2198</u>	SAS No :	<u>Q2198</u>
				SDG No:	<u>Q2198</u>
Sample No :	<u>Q2177-02MSD</u>	Datafile:	<u>FC069166.D</u>	Client ID :	<u>B-187-SB01MSD</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	11.9	1.10	7.51	54		0.19 (40-140)	50
Aliphatic C12-C16	7.9	3.37	9.32	75		0.79 (40-140)	50
Aliphatic C16-C21	11.9	0.65	8.85	69		1.58 (40-140)	50
Aliphatic C21-C28	15.8	5.91	16.7	68		4.44 (40-140)	50
Aliphatic C28-C40	23.7	6.40	22.3	67		1.19 (40-140)	50

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Portal Partners Tri-Venture</u>		
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2198</u>	SAS No :	<u>Q2198</u>
		SDG No:	<u>Q2198</u>		
Sample No :	<u>Q2177-02MS</u>	Datafile:	<u>FD049484.D</u>	Client ID :	<u>B-187-SB01MS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	7.9	0.46	2.67	28	*	(40-140)
Aromatic C12-C16	11.9	0.63	4.47	32	*	(40-140)
Aromatic C16-C21	19.8	2.27	10.5	42		(40-140)
Aromatic C21-C36	31.6	1.89	15.7	44		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Portal Partners Tri-Venture</u>		
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2198</u>	SAS No :	<u>Q2198</u>
				SDG No:	<u>Q2198</u>
Sample No :	<u>Q2177-02MSD</u>	Datafile:	<u>FD049485.D</u>	Client ID :	<u>B-187-SB01MSD</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	7.9	0.46	2.73	29	*	2.83	(40-140)	50
Aromatic C12-C16	11.9	0.63	4.61	34	*	3.64	(40-140)	50
Aromatic C16-C21	19.8	2.27	10.6	42		1.43	(40-140)	50
Aromatic C21-C36	31.6	1.89	15.8	44		0.91	(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:** Q2198 **SAS No :** Q2198 **SDG No:** Q2198
Sample No : PB168324BS **Datafile:** FC069135.D **Client ID :** PB168324BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aliphatic C9-C12	300	148	49		(40-140)
Aliphatic C12-C16	200	123	62		(40-140)
Aliphatic C16-C21	300	209	70		(40-140)
Aliphatic C21-C28	400	298	74		(40-140)
Aliphatic C28-C40	600	420	70		(40-140)

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Portal Partners Tri-Venture</u>		
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2198</u>	SAS No :	<u>Q2198</u>
		SDG No:	<u>Q2198</u>		
Sample No :	<u>PB168324BSD</u>	Datafile:	<u>FC069136.D</u>	Client ID :	<u>PB168324BSD</u>

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	300	155	52		4.7 (40-140)	25
Aliphatic C12-C16	200	128	64		4 (40-140)	25
Aliphatic C16-C21	300	216	72		3.2 (40-140)	25
Aliphatic C21-C28	400	305	76		2.3 (40-140)	25
Aliphatic C28-C40	600	443	74		5.3 (40-140)	25

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Portal Partners Tri-Venture</u>		
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2198</u>	SAS No :	<u>Q2198</u>
		SDG No:	<u>Q2198</u>		
Sample No :	<u>PB168408BS</u>	Datafile:	<u>FC069158.D</u>	Client ID :	<u>PB168408BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	4.97	50		(40-140)
Aliphatic C12-C16	6.7	4.11	62		(40-140)
Aliphatic C16-C21	10	7.02	70		(40-140)
Aliphatic C21-C28	13.3	10.0	75		(40-140)
Aliphatic C28-C40	20.0	14.6	73		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Portal Partners Tri-Venture</u>		
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2198</u>	SAS No :	<u>Q2198</u>
		SDG No:	<u>Q2198</u>		
Sample No :	<u>PB168408BSD</u>	Datafile:	<u>FC069159.D</u>	Client ID :	<u>PB168408BSD</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	5.03	50		1.3 (40-140)	25
Aliphatic C12-C16	6.7	4.15	62		0.98 (40-140)	25
Aliphatic C16-C21	10	7.07	71		0.8 (40-140)	25
Aliphatic C21-C28	13.3	10.1	76		1.1 (40-140)	25
Aliphatic C28-C40	20.0	15.0	75		2.8 (40-140)	25

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Portal Partners Tri-Venture</u>		
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2198</u>	SAS No :	<u>Q2198</u>
		SDG No:	<u>Q2198</u>		
Sample No :	<u>PB168324BS</u>	Datafile:	<u>FD049416.D</u>	Client ID :	<u>PB168324BS</u>

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aromatic C10-C12	200	91.0	46		(40-140)
Aromatic C12-C16	300	143	48		(40-140)
Aromatic C16-C21	500	271	54		(40-140)
Aromatic C21-C36	800	515	64		(40-140)

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Portal Partners Tri-Venture</u>		
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2198</u>	SAS No :	<u>Q2198</u>
		SDG No:	<u>Q2198</u>		
Sample No :	<u>PB168324BSD</u>	Datafile:	<u>FD049417.D</u>	Client ID :	<u>PB168324BSD</u>

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	200	83.6	42		8.5 (40-140)	25
Aromatic C12-C16	300	132	44		8.1 (40-140)	25
Aromatic C16-C21	500	254	51		6.5 (40-140)	25
Aromatic C21-C36	800	494	62		4.2 (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:** Q2198 **SAS No :** Q2198 **SDG No:** Q2198
Sample No : PB168408BS **Datafile:** FD049433.D **Client ID :** PB168408BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	3.20	48		(40-140)
Aromatic C12-C16	10	5.11	51		(40-140)
Aromatic C16-C21	16.7	9.80	59		(40-140)
Aromatic C21-C36	26.6	18.5	69		(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:** Q2198 **SAS No :** Q2198 **SDG No:** Q2198
Sample No : PB168408BSD **Datafile:** FD049434.D **Client ID :** PB168408BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	2.95	44		8 (40-140)	25
Aromatic C12-C16	10	4.68	47		8.7 (40-140)	25
Aromatic C16-C21	16.7	9.01	54		8.3 (40-140)	25
Aromatic C21-C36	26.6	17.5	66		5.5 (40-140)	25

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168324BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q2198

SAS No.: Q2198 SDG NO.: Q2198

Instrument ID: FID_C

Lab Sample ID: PB168324BL

Matrix: (soil/water) Water

Date Extracted: 6/6/2025 9:10:00 AM

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB168324BS	PB168324BS
PB168324BSD	PB168324BSD
B-202-GW01	Q2198-05

COMMENTS: _____

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168408BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q2198

SAS No.: Q2198 SDG NO.: Q2198

Instrument ID: FID_C

Lab Sample ID: PB168408BL

Matrix: (soil/water) Solid

Date Extracted: 6/11/2025 8:45:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB168408BS	PB168408BS
PB168408BSD	PB168408BSD
B-187-SB01MS	Q2177-02MS
B-187-SB01MSD	Q2177-02MSD
B-202-SB02	Q2198-01
B-207-SB02	Q2198-03

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168324BL	SDG No.:	Q2198
Lab Sample ID:	PB168324BL	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
06/06/25 09:10	06/09/25 16:17	PB168324

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	FC069134.D
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	1	13.5	20.0	ug/l	FC069134.D
Aliphatic C16-C21	Aliphatic C16-C21	8.34	U	1	8.34	30.0	ug/l	FC069134.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC069134.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC069134.D
Aromatic C10-C12	Aromatic C10-C12	2.07	U	1	2.07	20.0	ug/l	FD049415.D
Aromatic C12-C16	Aromatic C12-C16	4.26	U	1	4.26	30.0	ug/l	FD049415.D
Aromatic C16-C21	Aromatic C16-C21	8.27	U	1	8.27	50.0	ug/l	FD049415.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FD049415.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:	PB168324BL		SDG No.:	Q2198
Lab Sample ID:	PB168324BL		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
FC069134.D	1	06/06/25	06/09/25	PB168324

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)	29.9		40 - 140	60%	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:	PB168324BL	Acq On:	09 Jun 2025 16:17
Client Sample ID:	PB168324BL	Operator:	YP/AJ
Data file:	FC069134.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	3.299	6.602	0	0	300	ug/ml
Aliphatic C12-C16	6.603	10.008	0	0	200	ug/ml
Aliphatic C16-C21	10.009	13.379	0	0	300	ug/ml
Aliphatic C21-C28	13.380	17.047	0	0	400	ug/ml
Aliphatic C28-C40	17.048	22.037	0	0	600	ug/ml
Aliphatic EPH	3.299	22.037	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	2680219	29.88		ug/ml
Aliphatic C9-C28	3.299	17.047	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:	PB168324BL	SDG No.:	Q2198
Lab Sample ID:	PB168324BL	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
FD049415.D	1	06/06/25	06/09/25	PB168324

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)	31.2		40 - 140	62%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	30.3		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.2		40 - 140	58%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168324BL	Acq On:	09 Jun 2025 16:17
Client Sample ID:	PB168324BL	Operator:	YP/AJ
Data file:	FD049415.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic EPH	4.424	18.512	0	0		ug/ml
2-Bromonaphthalene (SURRE)	7.733	7.733	5192860	31.24		ug/ml
2-Fluorobiphenyl (SURRE)	8.598	8.598	3467147	30.31		ug/ml
ortho-Terphenyl (SURRE)	11.645	11.645	5861022	29.2		ug/ml
Aromatic C10-C12	4.424	6.169	0	0	200	ug/ml
Aromatic C12-C16	6.170	8.798	0	0	300	ug/ml
Aromatic C16-C21	8.799	13.089	0	0	500	ug/ml
Aromatic C21-C36	13.090	18.512	0	0	800	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168408BL	SDG No.:	Q2198
Lab Sample ID:	PB168408BL	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
06/11/25 08:45	06/11/25 16:33	PB168408

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	FC069157.D
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	1	0.11	0.67	mg/kg	FC069157.D
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	1	0.13	1.00	mg/kg	FC069157.D
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	1	0.53	1.33	mg/kg	FC069157.D
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FC069157.D
Aromatic C10-C12	Aromatic C10-C12	0.12	U	1	0.12	0.67	mg/kg	FD049432.D
Aromatic C12-C16	Aromatic C12-C16	0.23	U	1	0.23	1.00	mg/kg	FD049432.D
Aromatic C16-C21	Aromatic C16-C21	0.40	U	1	0.40	1.67	mg/kg	FD049432.D
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1	1.19	2.67	mg/kg	FD049432.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:	PB168408BL	SDG No.:	Q2198
Lab Sample ID:	PB168408BL	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
FC069157.D	1	06/11/25	06/11/25	PB168408

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)	30.1		40 - 140	60%	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:	PB168408BL	Acq On:	11 Jun 2025 16:33
Client Sample ID:	PB168408BL	Operator:	YP/AJ
Data file:	FC069157.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	3.303	6.605	0	0	300	ug/ml
Aliphatic C12-C16	6.606	10.010	0	0	200	ug/ml
Aliphatic C16-C21	10.011	13.380	0	0	300	ug/ml
Aliphatic C21-C28	13.381	17.048	0	0	400	ug/ml
Aliphatic C28-C40	17.049	22.033	0	0	600	ug/ml
Aliphatic EPH	3.303	22.033	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	2699214	30.09		ug/ml
Aliphatic C9-C28	3.303	17.048	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:	PB168408BL	SDG No.:	Q2198
Lab Sample ID:	PB168408BL	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
FD049432.D	1	06/11/25	06/11/25	PB168408

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)	33.6		40 - 140	67%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.4		40 - 140	63%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168408BL	Acq On:	11 Jun 2025 16:33
Client Sample ID:	PB168408BL	Operator:	YP/AJ
Data file:	FD049432.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	4.424	6.168	0	0	200	ug/ml
Aromatic C12-C16	6.169	8.797	0	0	300	ug/ml
Aromatic C16-C21	8.798	13.088	0	0	500	ug/ml
Aromatic C21-C36	13.089	18.509	0	0	800	ug/ml
Aromatic EPH	4.424	18.509	0	0		ug/ml
2-Bromonaphthalene (SURR)	7.733	7.733	5580932	33.57		ug/ml
2-Fluorobiphenyl (SURR)	8.598	8.598	3722980	32.54		ug/ml
ortho-Terphenyl (SURR)	11.645	11.645	6306403	31.42		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168324BS	SDG No.:	Q2198
Lab Sample ID:	PB168324BS	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
06/06/25 09:10	06/09/25 16:57	PB168324

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	148		1	8.28	30.0	ug/l	FC069135.D
Aliphatic C12-C16	Aliphatic C12-C16	123		1	13.5	20.0	ug/l	FC069135.D
Aliphatic C16-C21	Aliphatic C16-C21	209		1	8.34	30.0	ug/l	FC069135.D
Aliphatic C21-C28	Aliphatic C21-C28	298		1	12.5	40.0	ug/l	FC069135.D
Aliphatic C28-C40	Aliphatic C28-C40	420		1	23.8	60.0	ug/l	FC069135.D
Aromatic C10-C12	Aromatic C10-C12	91.0		1	2.07	20.0	ug/l	FD049416.D
Aromatic C12-C16	Aromatic C12-C16	143		1	4.26	30.0	ug/l	FD049416.D
Aromatic C16-C21	Aromatic C16-C21	271		1	8.27	50.0	ug/l	FD049416.D
Aromatic C21-C36	Aromatic C21-C36	515		1	23.8	80.0	ug/l	FD049416.D
Total AliphaticEPH	Total AliphaticEPH	1200			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	1020			38.4	180	ug/l	
Total EPH	Total EPH	2220			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:	PB168324BS	SDG No.:	Q2198
Lab Sample ID:	PB168324BS	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
FC069135.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	148		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	123		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	209		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	298		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	420		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.5		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168324BS	Acq On:	09 Jun 2025 16:57
Client Sample ID:	PB168324BS	Operator:	YP/AJ
Data file:	FC069135.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	3.299	6.602	7850856	74.263	300	ug/ml
Aliphatic C12-C16	6.603	10.008	6291363	61.689	200	ug/ml
Aliphatic C16-C21	10.009	13.379	10246363	104.699	300	ug/ml
Aliphatic C21-C28	13.380	17.047	14009671	149.351	400	ug/ml
Aliphatic C28-C40	17.048	22.037	19850508	210.194	600	ug/ml
Aliphatic EPH	3.299	22.037	58248761	600.195		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	3366566	37.53		ug/ml
Aliphatic C9-C28	3.299	17.047	38398253	390.002	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168324BS	SDG No.:	Q2198
Lab Sample ID:	PB168324BS	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
FD049416.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	91.0		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	143		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	271		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	515		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	34.1		40 - 140	68%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	33.4		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.7		40 - 140	57%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168324BS	Acq On:	09 Jun 2025 16:57
Client Sample ID:	PB168324BS	Operator:	YP/AJ
Data file:	FD049416.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic EPH	4.424	18.512	83543638	510.779		ug/ml
2-Bromonaphthalene (SURR)	7.733	7.733	5669143	34.1		ug/ml
2-Fluorobiphenyl (SURR)	8.599	8.599	3820043	33.39		ug/ml
ortho-Terphenyl (SURR)	11.645	11.645	5766961	28.73		ug/ml
Aromatic C10-C12	4.424	6.169	7612744	45.491	200	ug/ml
Aromatic C12-C16	6.170	8.798	13453369	71.742	300	ug/ml
Aromatic C16-C21	8.799	13.089	25095627	135.843	500	ug/ml
Aromatic C21-C36	13.090	18.512	37381898	257.703	800	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168408BS	SDG No.:	Q2198
Lab Sample ID:	PB168408BS	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
06/11/25 08:45	06/11/25 17:15	PB168408

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	4.97		1	0.14	1.00	mg/kg	FC069158.D
Aliphatic C12-C16	Aliphatic C12-C16	4.11		1	0.11	0.67	mg/kg	FC069158.D
Aliphatic C16-C21	Aliphatic C16-C21	7.02		1	0.13	1.00	mg/kg	FC069158.D
Aliphatic C21-C28	Aliphatic C21-C28	10.0		1	0.53	1.33	mg/kg	FC069158.D
Aliphatic C28-C40	Aliphatic C28-C40	14.6		1	1.18	2.00	mg/kg	FC069158.D
Aromatic C10-C12	Aromatic C10-C12	3.20		1	0.12	0.67	mg/kg	FD049433.D
Aromatic C12-C16	Aromatic C12-C16	5.11		1	0.23	1.00	mg/kg	FD049433.D
Aromatic C16-C21	Aromatic C16-C21	9.80		1	0.40	1.67	mg/kg	FD049433.D
Aromatic C21-C36	Aromatic C21-C36	18.5		1	1.19	2.66	mg/kg	FD049433.D
Total AliphaticEPH	Total AliphaticEPH	40.7			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	36.6			1.94	6.00	mg/kg	
Total EPH	Total EPH	77.3			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:	PB168408BS	SDG No.:	Q2198
Lab Sample ID:	PB168408BS	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
FC069158.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	4.97		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.11		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	7.02		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.0		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.6		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.0		40 - 140	76%	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:	PB168408BS	Acq On:	11 Jun 2025 17:15
Client Sample ID:	PB168408BS	Operator:	YP/AJ
Data file:	FC069158.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	3.303	6.605	7878783	74.527	300	ug/ml
Aliphatic C12-C16	6.606	10.010	6284249	61.619	200	ug/ml
Aliphatic C16-C21	10.011	13.380	10319394	105.445	300	ug/ml
Aliphatic C21-C28	13.381	17.048	14134902	150.686	400	ug/ml
Aliphatic C28-C40	17.049	22.033	20659158	218.757	600	ug/ml
Aliphatic EPH	3.303	22.033	59276486	611.033		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.116	13.116	3406395	37.97		ug/ml
Aliphatic C9-C28	3.303	17.048	38617328	392.277	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168408BS	SDG No.:	Q2198
Lab Sample ID:	PB168408BS	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
FD049433.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.20		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	5.11		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	9.80		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	18.5		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	36.6		40 - 140	73%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	36.1		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.0		40 - 140	62%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168408BS	Acq On:	11 Jun 2025 17:15
Client Sample ID:	PB168408BS	Operator:	YP/AJ
Data file:	FD049433.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	4.424	6.168	8036884	48.026	200	ug/ml
Aromatic C12-C16	6.169	8.797	14391225	76.743	300	ug/ml
Aromatic C16-C21	8.798	13.088	27187051	147.164	500	ug/ml
Aromatic C21-C36	13.089	18.509	40239912	277.406	800	ug/ml
Aromatic EPH	4.424	18.509	89855072	549.338		ug/ml
2-Bromonaphthalene (SURRE)	7.733	7.733	6082670	36.59		ug/ml
2-Fluorobiphenyl (SURRE)	8.599	8.599	4126519	36.07		ug/ml
ortho-Terphenyl (SURRE)	11.645	11.645	6218341	30.98		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168324BSD	SDG No.:	Q2198
Lab Sample ID:	PB168324BSD	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
06/06/25 09:10	06/09/25 17:37	PB168324

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	155		1	8.28	30.0	ug/l	FC069136.D
Aliphatic C12-C16	Aliphatic C12-C16	128		1	13.5	20.0	ug/l	FC069136.D
Aliphatic C16-C21	Aliphatic C16-C21	216		1	8.34	30.0	ug/l	FC069136.D
Aliphatic C21-C28	Aliphatic C21-C28	305		1	12.5	40.0	ug/l	FC069136.D
Aliphatic C28-C40	Aliphatic C28-C40	443		1	23.8	60.0	ug/l	FC069136.D
Aromatic C10-C12	Aromatic C10-C12	83.6		1	2.07	20.0	ug/l	FD049417.D
Aromatic C12-C16	Aromatic C12-C16	132		1	4.26	30.0	ug/l	FD049417.D
Aromatic C16-C21	Aromatic C16-C21	254		1	8.27	50.0	ug/l	FD049417.D
Aromatic C21-C36	Aromatic C21-C36	494		1	23.8	80.0	ug/l	FD049417.D
Total AliphaticEPH	Total AliphaticEPH	1250			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	964			38.4	180	ug/l	
Total EPH	Total EPH	2210			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:	PB168324BSD	SDG No.:	Q2198
Lab Sample ID:	PB168324BSD	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
FC069136.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	155		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	128		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	216		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	305		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	443		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.9		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:	PB168324BSD	Acq On:	09 Jun 2025 17:37
Client Sample ID:	PB168324BSD	Operator:	YP/AJ
Data file:	FC069136.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	3.299	6.602	8233812	77.885	300	ug/ml
Aliphatic C12-C16	6.603	10.008	6547841	64.204	200	ug/ml
Aliphatic C16-C21	10.009	13.379	10596367	108.275	300	ug/ml
Aliphatic C21-C28	13.380	17.047	14345368	152.929	400	ug/ml
Aliphatic C28-C40	17.048	22.037	20933938	221.666	600	ug/ml
Aliphatic EPH	3.299	22.037	60657326	624.959		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	3493029	38.94		ug/ml
Aliphatic C9-C28	3.299	17.047	39723388	403.293	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168324BSD	SDG No.:	Q2198
Lab Sample ID:	PB168324BSD	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
FD049417.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	83.6		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	132		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	254		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	494		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	31.5		40 - 140	63%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	31.0		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.7		40 - 140	53%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168324BSD	Acq On:	09 Jun 2025 17:37
Client Sample ID:	PB168324BSD	Operator:	YP/AJ
Data file:	FD049417.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic EPH	4.424	18.512	78760873	482.341		ug/ml
2-Bromonaphthalene (SURR)	7.733	7.733	5235013	31.49		ug/ml
2-Fluorobiphenyl (SURR)	8.598	8.598	3547472	31.01		ug/ml
ortho-Terphenyl (SURR)	11.644	11.644	5354384	26.68		ug/ml
Aromatic C10-C12	4.424	6.169	6996325	41.808	200	ug/ml
Aromatic C12-C16	6.170	8.798	12430561	66.287	300	ug/ml
Aromatic C16-C21	8.799	13.089	23494396	127.175	500	ug/ml
Aromatic C21-C36	13.090	18.512	35839591	247.071	800	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168408BSD	SDG No.:	Q2198
Lab Sample ID:	PB168408BSD	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
06/11/25 08:45	06/11/25 17:57	PB168408

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.03		1	0.14	1.00	mg/kg	FC069159.D
Aliphatic C12-C16	Aliphatic C12-C16	4.15		1	0.11	0.67	mg/kg	FC069159.D
Aliphatic C16-C21	Aliphatic C16-C21	7.07		1	0.13	1.00	mg/kg	FC069159.D
Aliphatic C21-C28	Aliphatic C21-C28	10.1		1	0.53	1.33	mg/kg	FC069159.D
Aliphatic C28-C40	Aliphatic C28-C40	15.0		1	1.18	2.00	mg/kg	FC069159.D
Aromatic C10-C12	Aromatic C10-C12	2.95		1	0.12	0.67	mg/kg	FD049434.D
Aromatic C12-C16	Aromatic C12-C16	4.68		1	0.23	1.00	mg/kg	FD049434.D
Aromatic C16-C21	Aromatic C16-C21	9.01		1	0.40	1.67	mg/kg	FD049434.D
Aromatic C21-C36	Aromatic C21-C36	17.5		1	1.19	2.66	mg/kg	FD049434.D
Total AliphaticEPH	Total AliphaticEPH	41.4			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	34.1			1.94	6.00	mg/kg	
Total EPH	Total EPH	75.5			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:	PB168408BSD	SDG No.:	Q2198
Lab Sample ID:	PB168408BSD	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
FC069159.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.03		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.15		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	7.07		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.1		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.0		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.6		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:	PB168408BSD	Acq On:	11 Jun 2025 17:57
Client Sample ID:	PB168408BSD	Operator:	YP/AJ
Data file:	FC069159.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	3.303	6.605	7987311	75.553	300	ug/ml
Aliphatic C12-C16	6.606	10.010	6351024	62.274	200	ug/ml
Aliphatic C16-C21	10.011	13.380	10389514	106.162	300	ug/ml
Aliphatic C21-C28	13.381	17.048	14283947	152.275	400	ug/ml
Aliphatic C28-C40	17.049	22.033	21300229	225.545	600	ug/ml
Aliphatic EPH	3.303	22.033	60312025	621.808		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	3465185	38.62		ug/ml
Aliphatic C9-C28	3.303	17.048	39011796	396.264	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168408BSD	SDG No.:	Q2198
Lab Sample ID:	PB168408BSD	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
FD049434.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	2.95		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	4.68		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	9.01		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	17.5		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	33.5		40 - 140	67%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	33.1		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.3		40 - 140	57%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168408BSD	Acq On:	11 Jun 2025 17:57
Client Sample ID:	PB168408BSD	Operator:	YP/AJ
Data file:	FD049434.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	4.424	6.168	7419926	44.339	200	ug/ml
Aromatic C12-C16	6.169	8.797	13190807	70.341	300	ug/ml
Aromatic C16-C21	8.798	13.088	25003970	135.346	500	ug/ml
Aromatic C21-C36	13.089	18.509	38067969	262.433	800	ug/ml
Aromatic EPH	4.424	18.509	83682672	512.46		ug/ml
2-Bromonaphthalene (SURRE)	7.732	7.732	5575880	33.54		ug/ml
2-Fluorobiphenyl (SURRE)	8.598	8.598	3792496	33.15		ug/ml
ortho-Terphenyl (SURRE)	11.643	11.643	5678306	28.29		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-187-SB01MS	SDG No.:	Q2198
Lab Sample ID:	Q2177-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
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
06/11/25 08:45	06/11/25 22:09	PB168408

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	7.50		1	0.17	1.19	mg/kg FC069165.D
Aliphatic C12-C16	Aliphatic C12-C16	9.37		1	0.13	0.79	mg/kg FC069165.D
Aliphatic C16-C21	Aliphatic C16-C21	8.98		1	0.15	1.19	mg/kg FC069165.D
Aliphatic C21-C28	Aliphatic C21-C28	17.2		1	0.63	1.58	mg/kg FC069165.D
Aliphatic C28-C40	Aliphatic C28-C40	22.5		1	1.40	2.37	mg/kg FC069165.D
Aromatic C10-C12	Aromatic C10-C12	2.67		1	0.14	0.79	mg/kg FD049484.D
Aromatic C12-C16	Aromatic C12-C16	4.47		1	0.27	1.19	mg/kg FD049484.D
Aromatic C16-C21	Aromatic C16-C21	10.5		1	0.48	1.98	mg/kg FD049484.D
Aromatic C21-C36	Aromatic C21-C36	15.7		1	1.41	3.16	mg/kg FD049484.D
Total AliphaticEPH	Total AliphaticEPH	65.5			2.48	7.12	mg/kg
Total AromaticEPH	Total AromaticEPH	33.3			2.30	7.12	mg/kg
Total EPH	Total EPH	98.9			4.78	14.2	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-187-SB01MS	SDG No.:	Q2198
Lab Sample ID:	Q2177-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
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
FC069165.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
	Aliphatic C9-C12	7.50		0.17	1.19	mg/kg
	Aliphatic C12-C16	9.37		0.13	0.79	mg/kg
	Aliphatic C16-C21	8.98		0.15	1.19	mg/kg
	Aliphatic C21-C28	17.2		0.63	1.58	mg/kg
	Aliphatic C28-C40	22.5		1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	69.3		40 - 140	139%	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:	Q2177-02MS	Acq On:	11 Jun 2025 22:09
Client Sample ID:	B-187-SB01MS	Operator:	YP/AJ
Data file:	FC069165.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	3.303	6.605	10028434	94.861	300	ug/ml
Aliphatic C12-C16	6.606	10.010	12078324	118.432	200	ug/ml
Aliphatic C16-C21	10.011	13.380	11106710	113.49	300	ug/ml
Aliphatic C21-C28	13.381	17.048	20368594	217.14	400	ug/ml
Aliphatic C28-C40	17.049	22.033	26847943	284.289	600	ug/ml
Aliphatic EPH	3.303	22.033	80430005	828.211		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.118	13.118	6218026	69.31		ug/ml
Aliphatic C9-C28	3.303	17.048	53582062	543.923	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-187-SB01MS	SDG No.:	Q2198
Lab Sample ID:	Q2177-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
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
FD049484.D	1	06/11/25	06/13/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	2.67		0.14	0.79	mg/kg
Aromatic C12-C16	Aromatic C12-C16	4.47		0.27	1.19	mg/kg
Aromatic C16-C21	Aromatic C16-C21	10.5		0.48	1.98	mg/kg
Aromatic C21-C36	Aromatic C21-C36	15.7		1.41	3.16	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	37.8		40 - 140	76%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	37.0		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.5		40 - 140	65%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2177-02MS	Acq On:	13 Jun 2025 09:48
Client Sample ID:	B-187-SB01MS	Operator:	YP/AJ
Data file:	FD049484.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	4.424	6.168	5645060	33.733	200	ug/ml
Aromatic C12-C16	6.169	8.796	10587299	56.458	300	ug/ml
Aromatic C16-C21	8.797	13.086	24624254	133.291	500	ug/ml
Aromatic C21-C36	13.087	18.508	28854300	198.916	800	ug/ml
Aromatic EPH	4.424	18.508	69710913	422.398		ug/ml
2-Bromonaphthalene (SURRE)	7.733	7.733	6278432	37.77		ug/ml
2-Fluorobiphenyl (SURRE)	8.598	8.598	4233429	37.01		ug/ml
ortho-Terphenyl (SURRE)	11.644	11.644	6518438	32.48		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-187-SB01MSD	SDG No.:	Q2198
Lab Sample ID:	Q2177-02MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
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
06/11/25 08:45	06/11/25 22:50	PB168408

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	7.51		1	0.17	1.19	mg/kg FC069166.D
Aliphatic C12-C16	Aliphatic C12-C16	9.32		1	0.13	0.79	mg/kg FC069166.D
Aliphatic C16-C21	Aliphatic C16-C21	8.85		1	0.15	1.19	mg/kg FC069166.D
Aliphatic C21-C28	Aliphatic C21-C28	16.7		1	0.63	1.58	mg/kg FC069166.D
Aliphatic C28-C40	Aliphatic C28-C40	22.3		1	1.40	2.37	mg/kg FC069166.D
Aromatic C10-C12	Aromatic C10-C12	2.73		1	0.14	0.79	mg/kg FD049485.D
Aromatic C12-C16	Aromatic C12-C16	4.61		1	0.27	1.19	mg/kg FD049485.D
Aromatic C16-C21	Aromatic C16-C21	10.6		1	0.47	1.98	mg/kg FD049485.D
Aromatic C21-C36	Aromatic C21-C36	15.8		1	1.41	3.16	mg/kg FD049485.D
Total AliphaticEPH	Total AliphaticEPH	64.7			2.48	7.12	mg/kg
Total AromaticEPH	Total AromaticEPH	33.7			2.30	7.12	mg/kg
Total EPH	Total EPH	98.4			4.78	14.2	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-187-SB01MSD	SDG No.:	Q2198
Lab Sample ID:	Q2177-02MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
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
FC069166.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
	Aliphatic C9-C12	Aliphatic C9-C12	7.51	0.17	1.19	mg/kg
	Aliphatic C12-C16	Aliphatic C12-C16	9.32	0.13	0.79	mg/kg
	Aliphatic C16-C21	Aliphatic C16-C21	8.85	0.15	1.19	mg/kg
	Aliphatic C21-C28	Aliphatic C21-C28	16.7	0.63	1.58	mg/kg
	Aliphatic C28-C40	Aliphatic C28-C40	22.3	1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	68.0		40 - 140	136%	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:	Q2177-02MSD	Acq On:	11 Jun 2025 22:50
Client Sample ID:	B-187-SB01MSD	Operator:	YP/AJ
Data file:	FC069166.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.605	10039489	94.965	300	ug/ml
Aliphatic C12-C16	6.606	10.010	12019786	117.858	200	ug/ml
Aliphatic C16-C21	10.011	13.380	10951250	111.902	300	ug/ml
Aliphatic C21-C28	13.381	17.048	19867548	211.799	400	ug/ml
Aliphatic C28-C40	17.049	22.033	26623937	281.917	600	ug/ml
Aliphatic EPH	3.303	22.033	79502010	818.44		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.118	13.118	6098846	67.98		ug/ml
Aliphatic C9-C28	3.303	17.048	52878073	536.524	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-187-SB01MSD	SDG No.:	Q2198
Lab Sample ID:	Q2177-02MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
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
FD049485.D	1	06/11/25	06/13/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	2.73		0.14	0.79	mg/kg
Aromatic C12-C16	Aromatic C12-C16	4.61		0.27	1.19	mg/kg
Aromatic C16-C21	Aromatic C16-C21	10.6		0.47	1.98	mg/kg
Aromatic C21-C36	Aromatic C21-C36	15.8		1.41	3.16	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	38.6		40 - 140	77%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	37.7		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.9		40 - 140	66%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2177-02MSD	Acq On:	13 Jun 2025 10:28
Client Sample ID:	B-187-SB01MSD	Operator:	YP/AJ
Data file:	FD049485.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	4.424	6.168	5780149	34.54	200	ug/ml
Aromatic C12-C16	6.169	8.796	10942801	58.354	300	ug/ml
Aromatic C16-C21	8.797	13.086	24851315	134.52	500	ug/ml
Aromatic C21-C36	13.087	18.508	28939612	199.504	800	ug/ml
Aromatic EPH	4.424	18.508	70513877	426.918		ug/ml
2-Bromonaphthalene (SURR)	7.733	7.733	6422490	38.64		ug/ml
2-Fluorobiphenyl (SURR)	8.599	8.599	4310794	37.68		ug/ml
ortho-Terphenyl (SURR)	11.644	11.644	6612603	32.94		ug/ml



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC052425AL

AreaCount

Parameter Range	FC068998.D	FC068999.D	FC069000.D	FC069001.D	FC069002.D	
Aliphatic C9-C12	30972986.000	14697820.000	6552580.000	3389981.000	1577245.000	
Aliphatic C12-C16	19730095.000	9409770.000	4233296.000	2174844.000	1026044.000	
Aliphatic C16-C21	27989044.000	13592271.000	6091143.000	3134146.000	1491343.000	
Aliphatic C21-C28	35203824.000	17414178.000	7749092.000	4002009.000	1940505.000	
Aliphatic C28-C40	51848700.000	25927287.000	11552782.000	6038750.000	3073121.000	
Aliphatic EPH	165744649.000	81041326.000	36178893.000	18739730.000	9108258.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	105717.490666	5.423				
Aliphatic C12-C16	101985.435	5.679				
Aliphatic C16-C21	97865.080666	5.889				
Aliphatic C21-C28	93803.915	6.254				
Aliphatic C28-C40	94439.034666	8.107				
Aliphatic EPH	97587.1362218	6.302				

Concentration

Parameter Range	FC068998.D	FC068999.D	FC069000.D	FC069001.D	FC069002.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	FC068998.D	FC068999.D	FC069000.D	FC069001.D	FC069002.D	
Aliphatic C9-C12	103243.286666	97985.466666	109209.666666	112999.366666	105149.666666	
Aliphatic C12-C16	98650.475000	94097.700000	105832.400000	108742.200000	102604.400000	
Aliphatic C16-C21	93296.813333	90615.140000	101519.050000	104471.533333	99422.866666	

Initial Calibration Report for SequenceID : FC052425AL

Aliphatic C21-C28	88009.560000	87070.890000	96863.650000	100050.225000	97025.250000	
Aliphatic C28-C40	86414.500000	86424.290000	96273.183333	100645.833333	102437.366666	
Aliphatic EPH	92080.360555	90045.917777	100496.925000	104109.611111	101202.866666	

Initial Calibration Report for SequenceID : FD052425AR

AreaCount

Parameter Range	FD049394.D	FD049395.D	FD049396.D	FD049397.D	FD049398.D	
Aromatic C10-C12	33764721.000	17376581.000	6841824.000	3407467.000	1527158.000	
Aromatic C12-C16	56774252.000	29126947.000	11503062.000	5758553.000	2557965.000	
Aromatic C16-C21	74538707.000	38370069.000	15220909.000	7574275.000	3317737.000	
Aromatic C21-C36	130351882.000	67018652.000	26858131.000	13411159.000	5998437.000	
Aromatic EPH	295429562.000	151892249.000	60423926.000	30151454.000	13401297.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	167344.833	5.002				
Aromatic C12-C16	187525.5239996	5.151				
Aromatic C16-C21	184740.44	5.807				
Aromatic C21-C36	145057.8157772	4.704				
Aromatic EPH	163430.4633328	5.084				

Concentration

Parameter Range	FD049394.D	FD049395.D	FD049396.D	FD049397.D	FD049398.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	FD049394.D	FD049395.D	FD049396.D	FD049397.D	FD049398.D	
Aromatic C10-C12	168823.605000	173765.810000	171045.600000	170373.350000	152715.800000	
Aromatic C12-C16	189247.506666	194179.646666	191717.700000	191951.766666	170531.000000	
Aromatic C16-C21	186346.767500	191850.345000	190261.362500	189356.875000	165886.850000	
Aromatic C21-C36	144835.424444	148930.337777	149211.838888	149012.877777	133298.600000	
Aromatic EPH	164127.534444	168769.165555	167844.238888	167508.077777	148903.300000	

Continuing Calibration Report for SequenceID : FC060925AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC069133.D

Aliphatic C9-C12	6438999.000	60.000	3.299	6.602	107316.650	105717.491	-1.513
Aliphatic C12-C16	4050508.000	40.000	6.603	10.008	101262.700	101985.435	0.709
Aliphatic C16-C21	5664814.000	60.000	10.009	13.379	94413.567	97865.081	3.527
Aliphatic C21-C28	7292919.000	80.000	13.380	17.047	91161.488	93803.915	2.817
Aliphatic C28-C40	11227163.000	120.000	17.048	22.037	93559.692	94439.035	0.931
Aliphatic EPH	34674403.000	360.000	3.299	22.037	96317.786	97587.136	1.301

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	09 Jun 2025 12:17
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069133.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.299	6.602	6438999.000	60.000	ug/ml
Aliphatic C12-C16	6.603	10.008	4050508.000	40.000	ug/ml
Aliphatic C16-C21	10.009	13.379	5664814.000	60.000	ug/ml
Aliphatic C21-C28	13.380	17.047	7292919.000	80.000	ug/ml
Aliphatic C28-C40	17.048	22.037	11227163.000	120.000	ug/ml
Aliphatic EPH	3.299	22.037	34674403.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC060925AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC069140.D

Aliphatic C9-C12	6898571.000	60.000	3.299	6.602	114976.183	105717.491	-8.758
Aliphatic C12-C16	4221397.000	40.000	6.603	10.008	105534.925	101985.435	-3.480
Aliphatic C16-C21	5932054.000	60.000	10.009	13.379	98867.567	97865.081	-1.024
Aliphatic C21-C28	8098980.000	80.000	13.380	17.047	101237.250	93803.915	-7.924
Aliphatic C28-C40	12168142.000	120.000	17.048	22.037	101401.183	94439.035	-7.372
Aliphatic EPH	37319144.000	360.000	3.299	22.037	103664.289	97587.136	-6.227

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	09 Jun 2025 21:41
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069140.D	Misc:	
Instrument:	FID_C	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.299	6.602	6898571.000	60.000	ug/ml
Aliphatic C12-C16	6.603	10.008	4221397.000	40.000	ug/ml
Aliphatic C16-C21	10.009	13.379	5932054.000	60.000	ug/ml
Aliphatic C21-C28	13.380	17.047	8098980.000	80.000	ug/ml
Aliphatic C28-C40	17.048	22.037	12168142.000	120.000	ug/ml
Aliphatic EPH	3.299	22.037	37319144.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC061125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC069156.D

Aliphatic C9-C12	6783670.000	60.000	3.303	6.605	113061.167	105717.491	-6.947
Aliphatic C12-C16	4187470.000	40.000	6.606	10.010	104686.750	101985.435	-2.649
Aliphatic C16-C21	5888827.000	60.000	10.011	13.380	98147.117	97865.081	-0.288
Aliphatic C21-C28	8136653.000	80.000	13.381	17.048	101708.163	93803.915	-8.426
Aliphatic C28-C40	12161407.000	120.000	17.049	22.033	101345.058	94439.035	-7.313
Aliphatic EPH	37158027.000	360.000	3.303	22.033	103216.742	97587.136	-5.769

A
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I
J

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	11 Jun 2025 12:12
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069156.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.303	6.605	6783670.000	60.000	ug/ml
Aliphatic C12-C16	6.606	10.010	4187470.000	40.000	ug/ml
Aliphatic C16-C21	10.011	13.380	5888827.000	60.000	ug/ml
Aliphatic C21-C28	13.381	17.048	8136653.000	80.000	ug/ml
Aliphatic C28-C40	17.049	22.033	12161407.000	120.000	ug/ml
Aliphatic EPH	3.303	22.033	37158027.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC061125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC069168.D

Aliphatic C9-C12	6110551.000	60.000	3.303	6.605	101842.517	105717.491	3.665
Aliphatic C12-C16	3798337.000	40.000	6.606	10.010	94958.425	101985.435	6.890
Aliphatic C16-C21	5309111.000	60.000	10.011	13.380	88485.183	97865.081	9.585
Aliphatic C21-C28	7214648.000	80.000	13.381	17.048	90183.100	93803.915	3.860
Aliphatic C28-C40	10985455.000	120.000	17.049	22.033	91545.458	94439.035	3.064
Aliphatic EPH	33418102.000	360.000	3.303	22.033	92828.061	97587.136	4.877

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	12 Jun 2025 00:09
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069168.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.303	6.605	6110551.000	60.000	ug/ml
Aliphatic C12-C16	6.606	10.010	3798337.000	40.000	ug/ml
Aliphatic C16-C21	10.011	13.380	5309111.000	60.000	ug/ml
Aliphatic C21-C28	13.381	17.048	7214648.000	80.000	ug/ml
Aliphatic C28-C40	17.049	22.033	10985455.000	120.000	ug/ml
Aliphatic EPH	3.303	22.033	33418102.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC061125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC069174.D

Aliphatic C9-C12	5936222.000	60.000	3.303	6.605	98937.033	105717.491	6.414
Aliphatic C12-C16	3691689.000	40.000	6.606	10.010	92292.225	101985.435	9.505
Aliphatic C16-C21	5157507.000	60.000	10.011	13.380	85958.450	97865.081	12.166
Aliphatic C21-C28	7042755.000	80.000	13.381	17.048	88034.438	93803.915	6.151
Aliphatic C28-C40	10687110.000	120.000	17.049	22.033	89059.250	94439.035	5.697
Aliphatic EPH	32515283.000	360.000	3.303	22.033	90320.231	97587.136	7.447

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	12 Jun 2025 04:46
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069174.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.303	6.605	5936222.000	60.000	ug/ml
Aliphatic C12-C16	6.606	10.010	3691689.000	40.000	ug/ml
Aliphatic C16-C21	10.011	13.380	5157507.000	60.000	ug/ml
Aliphatic C21-C28	13.381	17.048	7042755.000	80.000	ug/ml
Aliphatic C28-C40	17.049	22.033	10687110.000	120.000	ug/ml
Aliphatic EPH	3.303	22.033	32515283.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD060925AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049414.D

Aromatic C10-C12	6066366.000	40.000	4.424	6.169	151659.150	167344.833	9.373
Aromatic C12-C16	9855692.000	60.000	6.170	8.798	164261.533	187525.524	12.406
Aromatic C16-C21	12307850.000	80.000	8.799	13.089	153848.125	184740.440	16.722
Aromatic C21-C36	25693832.000	180.000	13.090	18.512	142743.511	145057.816	1.595
Aromatic EPH	53923740.000	360.000	4.424	18.512	149788.167	163430.463	8.347

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	09 Jun 2025 12:17
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049414.D	Misc:	
Instrument:	FID_D	ALS Vial:	53
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.424	6.169	6066366.000	40.000	ug/ml
Aromatic C12-C16	6.170	8.798	9855692.000	60.000	ug/ml
Aromatic C16-C21	8.799	13.089	12307850.000	80.000	ug/ml
Aromatic C21-C36	13.090	18.512	25693832.000	180.000	ug/ml
Aromatic EPH	4.424	18.512	53923740.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD060925AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049421.D

Aromatic C10-C12	6920053.000	40.000	4.424	6.169	173001.325	167344.833	-3.380
Aromatic C12-C16	11045426.000	60.000	6.170	8.798	184090.433	187525.524	1.832
Aromatic C16-C21	13902265.000	80.000	8.799	13.089	173778.313	184740.440	5.934
Aromatic C21-C36	28417137.000	180.000	13.090	18.512	157872.983	145057.816	-8.835
Aromatic EPH	60284881.000	360.000	4.424	18.512	167458.003	163430.463	-2.464

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	09 Jun 2025 21:01
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049421.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.424	6.169	6920053.000	40.000	ug/ml
Aromatic C12-C16	6.170	8.798	11045426.000	60.000	ug/ml
Aromatic C16-C21	8.799	13.089	13902265.000	80.000	ug/ml
Aromatic C21-C36	13.090	18.512	28417137.000	180.000	ug/ml
Aromatic EPH	4.424	18.512	60284881.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD061025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049424.D

Aromatic C10-C12	6278489.000	40.000	4.425	6.169	156962.225	167344.833	6.204
Aromatic C12-C16	10256841.000	60.000	6.170	8.798	170947.350	187525.524	8.840
Aromatic C16-C21	12991778.000	80.000	8.799	13.089	162397.225	184740.440	12.094
Aromatic C21-C36	26792100.000	180.000	13.090	18.511	148845.000	145057.816	-2.611
Aromatic EPH	56319208.000	360.000	4.425	18.511	156442.244	163430.463	4.276

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	10 Jun 2025 09:11
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049424.D	Misc:	
Instrument:	FID_D	ALS Vial:	53
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.425	6.169	6278489.000	40.000	ug/ml
Aromatic C12-C16	6.170	8.798	10256841.000	60.000	ug/ml
Aromatic C16-C21	8.799	13.089	12991778.000	80.000	ug/ml
Aromatic C21-C36	13.090	18.511	26792100.000	180.000	ug/ml
Aromatic EPH	4.425	18.511	56319208.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD061025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049427.D

Aromatic C10-C12	6485261.000	40.000	4.425	6.169	162131.525	167344.833	3.115
Aromatic C12-C16	10630607.000	60.000	6.170	8.798	177176.783	187525.524	5.519
Aromatic C16-C21	13401211.000	80.000	8.799	13.089	167515.138	184740.440	9.324
Aromatic C21-C36	27453656.000	180.000	13.090	18.511	152520.311	145057.816	-5.144
Aromatic EPH	57970735.000	360.000	4.425	18.511	161029.819	163430.463	1.469

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	10 Jun 2025 13:10
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049427.D	Misc:	
Instrument:	FID_D	ALS Vial:	53
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.425	6.169	6485261.000	40.000	ug/ml
Aromatic C12-C16	6.170	8.798	10630607.000	60.000	ug/ml
Aromatic C16-C21	8.799	13.089	13401211.000	80.000	ug/ml
Aromatic C21-C36	13.090	18.511	27453656.000	180.000	ug/ml
Aromatic EPH	4.425	18.511	57970735.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD061125AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049430.D

Aromatic C10-C12	6205695.000	40.000	4.424	6.168	155142.375	167344.833	7.292
Aromatic C12-C16	9970470.000	60.000	6.169	8.797	166174.500	187525.524	11.386
Aromatic C16-C21	12701998.000	80.000	8.798	13.088	158774.975	184740.440	14.055
Aromatic C21-C36	25903906.000	180.000	13.089	18.509	143910.589	145057.816	0.791
Aromatic EPH	54782069.000	360.000	4.424	18.509	152172.414	163430.463	6.889

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	11 Jun 2025 12:12
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049430.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.424	6.168	6205695.000	40.000	ug/ml
Aromatic C12-C16	6.169	8.797	9970470.000	60.000	ug/ml
Aromatic C16-C21	8.798	13.088	12701998.000	80.000	ug/ml
Aromatic C21-C36	13.089	18.509	25903906.000	180.000	ug/ml
Aromatic EPH	4.424	18.509	54782069.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD061125AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049443.D

Aromatic C10-C12	6392686.000	40.000	4.424	6.168	159817.150	167344.833	4.498
Aromatic C12-C16	10225061.000	60.000	6.169	8.797	170417.683	187525.524	9.123
Aromatic C16-C21	13364565.000	80.000	8.798	13.088	167057.063	184740.440	9.572
Aromatic C21-C36	27341316.000	180.000	13.089	18.509	151896.200	145057.816	-4.714
Aromatic EPH	57323628.000	360.000	4.424	18.509	159232.300	163430.463	2.569

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	12 Jun 2025 00:09
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049443.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.424	6.168	6392686.000	40.000	ug/ml
Aromatic C12-C16	6.169	8.797	10225061.000	60.000	ug/ml
Aromatic C16-C21	8.798	13.088	13364565.000	80.000	ug/ml
Aromatic C21-C36	13.089	18.509	27341316.000	180.000	ug/ml
Aromatic EPH	4.424	18.509	57323628.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD061125AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049449.D

Aromatic C10-C12	6540731.000	40.000	4.424	6.168	163518.275	167344.833	2.287
Aromatic C12-C16	10481876.000	60.000	6.169	8.797	174697.933	187525.524	6.840
Aromatic C16-C21	13688224.000	80.000	8.798	13.088	171102.800	184740.440	7.382
Aromatic C21-C36	27718945.000	180.000	13.089	18.509	153994.139	145057.816	-6.161
Aromatic EPH	58429776.000	360.000	4.424	18.509	162304.933	163430.463	0.689

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	12 Jun 2025 04:46
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049449.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.424	6.168	6540731.000	40.000	ug/ml
Aromatic C12-C16	6.169	8.797	10481876.000	60.000	ug/ml
Aromatic C16-C21	8.798	13.088	13688224.000	80.000	ug/ml
Aromatic C21-C36	13.089	18.509	27718945.000	180.000	ug/ml
Aromatic EPH	4.424	18.509	58429776.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD061325AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049481.D

Aromatic C10-C12	6695791.000	40.000	4.424	6.168	167394.775	167344.833	-0.030
Aromatic C12-C16	10586658.000	60.000	6.169	8.796	176444.300	187525.524	5.909
Aromatic C16-C21	13509794.000	80.000	8.797	13.086	168872.425	184740.440	8.589
Aromatic C21-C36	27183534.000	180.000	13.087	18.508	151019.633	145057.816	-4.110
Aromatic EPH	57975777.000	360.000	4.424	18.508	161043.825	163430.463	1.460

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	13 Jun 2025 07:46
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049481.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.424	6.168	6695791.000	40.000	ug/ml
Aromatic C12-C16	6.169	8.796	10586658.000	60.000	ug/ml
Aromatic C16-C21	8.797	13.086	13509794.000	80.000	ug/ml
Aromatic C21-C36	13.087	18.508	27183534.000	180.000	ug/ml
Aromatic EPH	4.424	18.508	57975777.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD061325AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049489.D

Aromatic C10-C12	6667078.000	40.000	4.424	6.168	166676.950	167344.833	0.399
Aromatic C12-C16	10603581.000	60.000	6.169	8.796	176726.350	187525.524	5.759
Aromatic C16-C21	13634458.000	80.000	8.797	13.086	170430.725	184740.440	7.746
Aromatic C21-C36	27639906.000	180.000	13.087	18.508	153555.033	145057.816	-5.858
Aromatic EPH	58545023.000	360.000	4.424	18.508	162625.064	163430.463	0.493

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	13 Jun 2025 13:06
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049489.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.424	6.168	6667078.000	40.000	ug/ml
Aromatic C12-C16	6.169	8.796	10603581.000	60.000	ug/ml
Aromatic C16-C21	8.797	13.086	13634458.000	80.000	ug/ml
Aromatic C21-C36	13.087	18.508	27639906.000	180.000	ug/ml
Aromatic EPH	4.424	18.508	58545023.000	360.000	ug/ml



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069171.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 02:48
Operator : YP/AJ
Sample : Q2198-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-202-SB02

A
B
C
D
E
F
G
H
I
J

Integration File: autoint1.e
Quant Time: Jun 12 06:08:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.115	3406894	37.975 ug/ml
Spiked Amount	50.000	Recovery	= 75.95%

Target Compounds

(f)=RT Delta > 1/2 Window

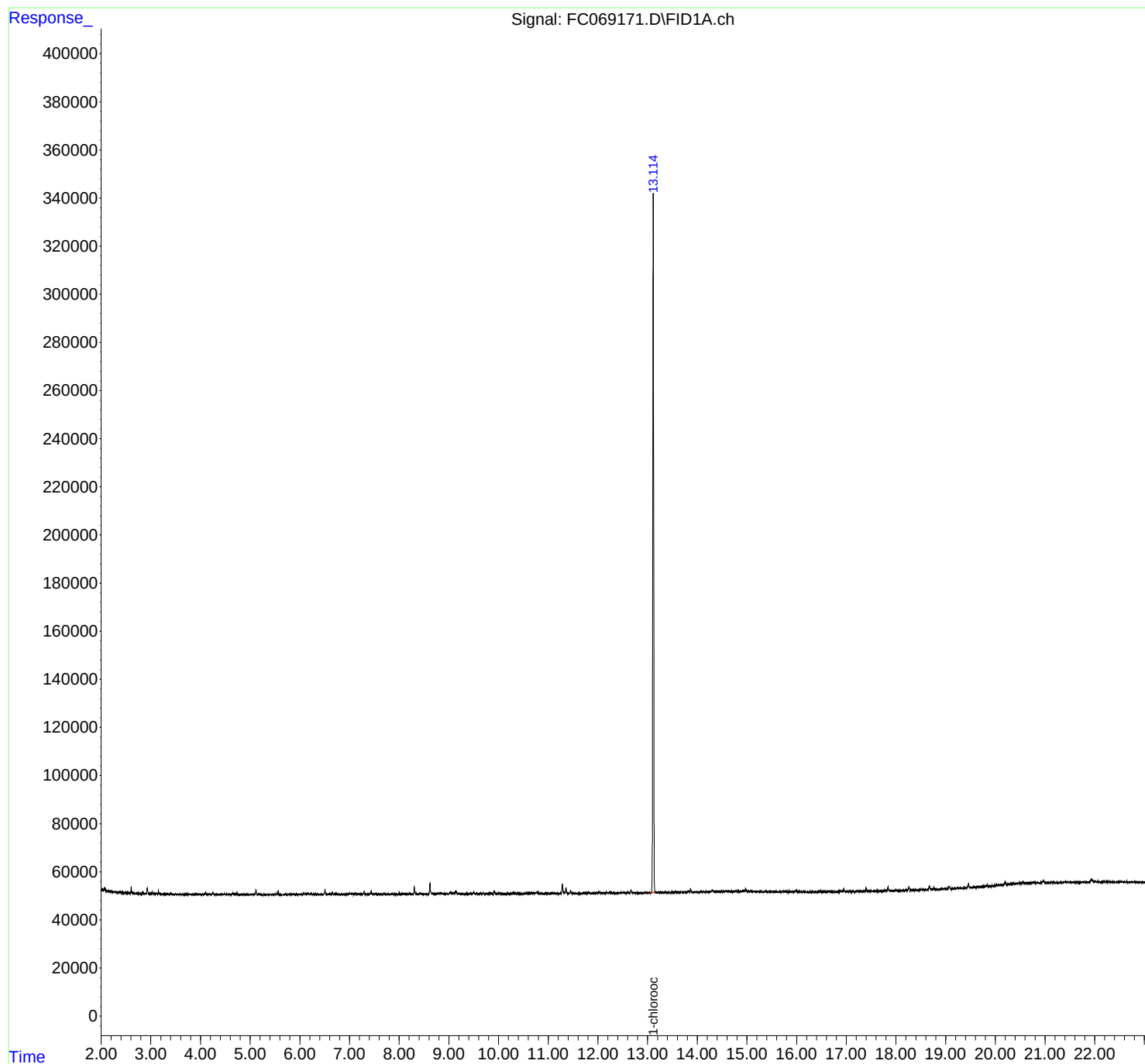
(m)=manual int.

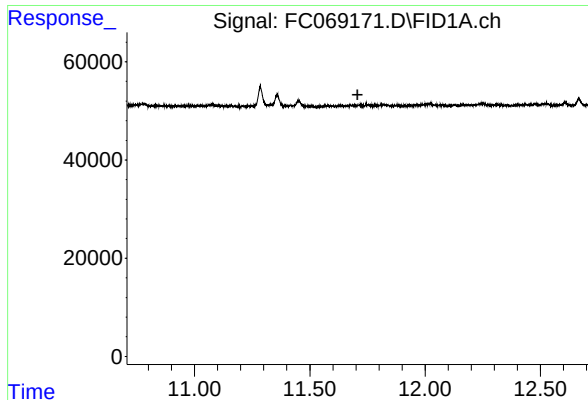
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069171.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 02:48
Operator : YP/AJ
Sample : Q2198-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-202-SB02

Integration File: autoint1.e
Quant Time: Jun 12 06:08:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

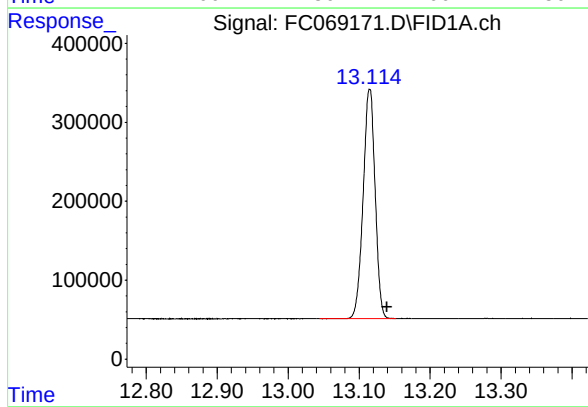




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.707 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-202-SB02



#12 1-chlorooctadecane (SURR)

R.T.: 13.115 min
Delta R.T.: -0.025 min
Response: 3406894
Conc: 37.98 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069171.D
 Signal(s) : FID1A.ch
 Acq On : 12 Jun 2025 02:48
 Sample : Q2198-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.231	3.204	3.264	BV	103	692	0.02%	0.010%
2	3.276	3.264	3.304	VV	68	878	0.03%	0.012%
3	3.309	3.304	3.335	VV	81	635	0.02%	0.009%
4	3.342	3.335	3.374	PV	102	1449	0.04%	0.020%
5	3.404	3.374	3.474	PV	317	5692	0.17%	0.079%
6	3.505	3.474	3.540	VV	135	2339	0.07%	0.032%
7	3.555	3.540	3.566	PV	111	1024	0.03%	0.014%
8	3.577	3.566	3.611	VV	131	1526	0.04%	0.021%
9	3.614	3.611	3.622	VV	98	328	0.01%	0.005%
10	3.646	3.622	3.671	VV	67	1095	0.03%	0.015%
11	3.682	3.671	3.694	PV	136	798	0.02%	0.011%
12	3.733	3.694	3.748	VV	195	3096	0.09%	0.043%
13	3.752	3.748	3.774	VV	120	1214	0.04%	0.017%
14	3.780	3.774	3.808	VV	113	1734	0.05%	0.024%
15	3.821	3.808	3.871	VV	150	3344	0.10%	0.046%
16	3.905	3.871	3.918	VV	417	4782	0.14%	0.066%
17	3.924	3.918	3.962	VV	262	3766	0.11%	0.052%
18	3.989	3.962	4.049	VV	265	5509	0.16%	0.076%
19	4.081	4.049	4.093	VV	427	5003	0.15%	0.069%
20	4.107	4.093	4.155	VV	583	8821	0.26%	0.122%
21	4.176	4.155	4.192	VV	237	3124	0.09%	0.043%
22	4.202	4.192	4.214	VV	169	1532	0.04%	0.021%
23	4.247	4.214	4.284	VV	820	13600	0.40%	0.188%
24	4.293	4.284	4.348	VV	165	4065	0.12%	0.056%
25	4.357	4.348	4.378	VV	110	1025	0.03%	0.014%
26	4.409	4.378	4.449	PV	194	4929	0.14%	0.068%
27	4.481	4.449	4.502	VV	485	6733	0.20%	0.093%
28	4.526	4.502	4.548	VV	333	5087	0.15%	0.070%
29	4.593	4.548	4.618	VV	278	7294	0.21%	0.101%
30	4.649	4.618	4.690	VV	673	11940	0.35%	0.165%
31	4.705	4.690	4.719	VV	556	5700	0.17%	0.079%
32	4.736	4.719	4.778	VV	805	9149	0.27%	0.127%
33	4.787	4.778	4.803	VV	113	744	0.02%	0.010%
34	4.859	4.803	4.878	VV	180	4584	0.13%	0.064%
35	4.937	4.878	4.969	PV	174	4387	0.13%	0.061%
36	4.975	4.969	4.993	VV	54	419	0.01%	0.006%

					rt	ret	area	%area
37	5.008	4.993	5.025	VV	144	1206	0.04%	0.017%
38	5.040	5.025	5.070	VV	140	2435	0.07%	0.034%
39	5.118	5.070	5.154	VV	2026	27500	0.80%	0.381%
40	5.174	5.154	5.190	VV	431	4970	0.15%	0.069%
41	5.202	5.190	5.286	VV	290	5494	0.16%	0.076%
42	5.313	5.286	5.337	VV	176	2597	0.08%	0.036%
43	5.350	5.337	5.369	VV	180	1708	0.05%	0.024%
44	5.396	5.369	5.451	PV	198	3090	0.09%	0.043%
45	5.487	5.451	5.503	VV	113	2022	0.06%	0.028%
46	5.524	5.503	5.544	VV	560	6327	0.18%	0.088%
47	5.562	5.544	5.605	VV	1112	12845	0.38%	0.178%
48	5.620	5.605	5.640	VV	222	2048	0.06%	0.028%
49	5.709	5.640	5.754	PV	319	7906	0.23%	0.110%
50	5.764	5.754	5.790	VV	170	2901	0.08%	0.040%
51	5.811	5.790	5.847	VV	419	7751	0.23%	0.107%
52	5.872	5.847	5.912	VV	343	7596	0.22%	0.105%
53	5.935	5.912	5.960	VV	232	3395	0.10%	0.047%
54	5.979	5.960	6.003	PV	269	4121	0.12%	0.057%
55	6.081	6.003	6.108	VV	744	18146	0.53%	0.251%
56	6.122	6.108	6.139	VV	555	6751	0.20%	0.094%
57	6.164	6.139	6.200	VV	944	14663	0.43%	0.203%
58	6.225	6.200	6.252	VV	764	10317	0.30%	0.143%
59	6.301	6.252	6.331	VV	346	8127	0.24%	0.113%
60	6.346	6.331	6.418	VV	228	6880	0.20%	0.095%
61	6.426	6.418	6.461	VV	136	3323	0.10%	0.046%
62	6.506	6.461	6.551	VV	2052	28175	0.82%	0.390%
63	6.557	6.551	6.574	VV	199	2126	0.06%	0.029%
64	6.592	6.574	6.609	VV	397	5468	0.16%	0.076%
65	6.626	6.609	6.637	VV	272	3800	0.11%	0.053%
66	6.656	6.637	6.680	VV	913	11817	0.35%	0.164%
67	6.692	6.680	6.718	VV	281	5028	0.15%	0.070%
68	6.729	6.718	6.771	VV	464	6175	0.18%	0.086%
69	6.788	6.771	6.815	VV	196	2694	0.08%	0.037%
70	6.838	6.815	6.877	VV	277	4834	0.14%	0.067%
71	6.902	6.877	6.933	VV	197	3918	0.11%	0.054%
72	6.949	6.933	6.981	VV	328	5344	0.16%	0.074%
73	7.005	6.981	7.040	VV	614	13170	0.38%	0.183%
74	7.064	7.040	7.098	VV	578	11253	0.33%	0.156%
75	7.130	7.098	7.155	VV	672	13486	0.39%	0.187%
76	7.169	7.155	7.196	VV	344	5514	0.16%	0.076%
77	7.211	7.196	7.224	VV	239	2902	0.08%	0.040%
78	7.238	7.224	7.258	VV	260	2977	0.09%	0.041%
79	7.293	7.258	7.329	VV	1334	18193	0.53%	0.252%
80	7.353	7.329	7.362	VV	243	3502	0.10%	0.049%
81	7.372	7.362	7.381	VV	249	2287	0.07%	0.032%
82	7.397	7.381	7.413	VV	259	4289	0.13%	0.059%
83	7.434	7.413	7.480	VV	1221	17513	0.51%	0.243%
84	7.524	7.480	7.547	VV	355	8632	0.25%	0.120%
85	7.560	7.547	7.584	VV	120	1744	0.05%	0.024%
86	7.599	7.584	7.611	VV	143	1538	0.04%	0.021%
87	7.621	7.611	7.633	VV	141	1341	0.04%	0.019%
88	7.649	7.633	7.670	VV	126	2170	0.06%	0.030%
89	7.696	7.670	7.734	VV	610	7428	0.22%	0.103%

					rteres			
90	7.746	7.734	7.761	VV	111	1333	0.04%	0.018%
91	7.780	7.761	7.823	VV	243	5998	0.18%	0.083%
92	7.864	7.823	7.918	VV	196	8486	0.25%	0.118%
93	7.926	7.918	7.944	VV	171	1818	0.05%	0.025%
94	7.956	7.944	7.981	VV	228	2847	0.08%	0.039%
95	8.001	7.981	8.031	VV	657	8083	0.24%	0.112%
96	8.056	8.031	8.077	VV	524	7321	0.21%	0.101%
97	8.095	8.077	8.114	VV	239	3602	0.11%	0.050%
98	8.124	8.114	8.145	VV	174	2644	0.08%	0.037%
99	8.159	8.145	8.176	VV	190	2593	0.08%	0.036%
100	8.181	8.176	8.187	VV	157	989	0.03%	0.014%
101	8.212	8.187	8.274	VV	557	12092	0.35%	0.168%
102	8.306	8.274	8.360	VV	3012	41677	1.22%	0.578%
103	8.374	8.360	8.391	VV	220	2778	0.08%	0.038%
104	8.405	8.391	8.444	VV	353	8893	0.26%	0.123%
105	8.453	8.444	8.484	VV	270	4091	0.12%	0.057%
106	8.501	8.484	8.518	VV	228	3118	0.09%	0.043%
107	8.541	8.518	8.591	VV	311	5748	0.17%	0.080%
108	8.620	8.591	8.706	PV	4574	63821	1.87%	0.884%
109	8.729	8.706	8.739	VV	257	3864	0.11%	0.054%
110	8.768	8.739	8.778	VV	376	6616	0.19%	0.092%
111	8.797	8.778	8.828	VV	467	10444	0.31%	0.145%
112	8.847	8.828	8.888	VV	584	13393	0.39%	0.186%
113	8.913	8.888	8.935	VV	253	4997	0.15%	0.069%
114	8.961	8.935	8.981	VV	260	4609	0.13%	0.064%
115	9.025	8.981	9.048	VV	991	18583	0.54%	0.258%
116	9.066	9.048	9.106	VV	628	14981	0.44%	0.208%
117	9.147	9.106	9.178	VV	1317	28622	0.84%	0.397%
118	9.187	9.178	9.204	VV	220	2820	0.08%	0.039%
119	9.218	9.204	9.243	VV	356	4826	0.14%	0.067%
120	9.267	9.243	9.299	VV	269	5161	0.15%	0.072%
121	9.351	9.299	9.401	VV	255	9576	0.28%	0.133%
122	9.432	9.401	9.451	VV	400	7795	0.23%	0.108%
123	9.462	9.451	9.472	VV	176	1577	0.05%	0.022%
124	9.499	9.472	9.534	VV	774	13494	0.39%	0.187%
125	9.568	9.534	9.613	VV	316	9126	0.27%	0.126%
126	9.638	9.613	9.665	VV	498	8155	0.24%	0.113%
127	9.690	9.665	9.731	VV	604	9721	0.28%	0.135%
128	9.782	9.731	9.813	VV	176	5399	0.16%	0.075%
129	9.832	9.813	9.858	VV	526	7397	0.22%	0.103%
130	9.866	9.858	9.880	VV	187	1714	0.05%	0.024%
131	9.911	9.880	9.956	VV	1298	20734	0.61%	0.287%
132	10.010	9.956	10.048	VV	300	11978	0.35%	0.166%
133	10.080	10.048	10.140	VV	244	7373	0.22%	0.102%
134	10.194	10.140	10.208	VV	239	5805	0.17%	0.080%
135	10.232	10.208	10.264	VV	314	7719	0.23%	0.107%
136	10.307	10.264	10.324	VV	484	11852	0.35%	0.164%
137	10.344	10.324	10.364	VV	391	6897	0.20%	0.096%
138	10.380	10.364	10.454	VV	295	10438	0.31%	0.145%
139	10.465	10.454	10.489	VV	158	2210	0.06%	0.031%
140	10.515	10.489	10.538	PV	333	5987	0.17%	0.083%
141	10.549	10.538	10.564	VV	339	4453	0.13%	0.062%

					rteres			
142	10.593	10.564	10.613	VV	417	9164	0.27%	0.127%
143	10.651	10.613	10.688	VV	597	16264	0.48%	0.225%
144	10.748	10.688	10.757	VV	490	14479	0.42%	0.201%
145	10.780	10.757	10.854	VV	663	20977	0.61%	0.291%
146	10.871	10.854	10.904	VV	288	6252	0.18%	0.087%
147	10.915	10.904	10.922	VV	204	1831	0.05%	0.025%
148	10.937	10.922	10.961	VV	278	5029	0.15%	0.070%
149	10.975	10.961	11.001	VV	354	5584	0.16%	0.077%
150	11.016	11.001	11.038	VV	282	5006	0.15%	0.069%
151	11.079	11.038	11.141	VV	537	16725	0.49%	0.232%
152	11.158	11.141	11.201	VV	298	5336	0.16%	0.074%
153	11.215	11.201	11.246	VV	154	3149	0.09%	0.044%
154	11.285	11.246	11.330	VV	4085	59505	1.74%	0.825%
155	11.358	11.330	11.403	VV	2480	37929	1.11%	0.526%
156	11.451	11.403	11.481	VV	1270	21286	0.62%	0.295%
157	11.491	11.481	11.501	VV	142	1200	0.04%	0.017%
158	11.504	11.501	11.528	VV	175	1065	0.03%	0.015%
159	11.542	11.528	11.551	PV	71	665	0.02%	0.009%
160	11.579	11.551	11.607	VV	188	3426	0.10%	0.047%
161	11.677	11.607	11.700	VV	291	8964	0.26%	0.124%
162	11.714	11.700	11.734	VV	267	4222	0.12%	0.059%
163	11.746	11.734	11.771	VV	445	5818	0.17%	0.081%
164	11.781	11.771	11.795	VV	224	2719	0.08%	0.038%
165	11.813	11.795	11.861	VV	432	10125	0.30%	0.140%
166	11.879	11.861	11.964	VV	201	10855	0.32%	0.150%
167	12.021	11.964	12.057	VV	506	18800	0.55%	0.261%
168	12.069	12.057	12.111	VV	301	6735	0.20%	0.093%
169	12.124	12.111	12.149	VV	232	4072	0.12%	0.056%
170	12.166	12.149	12.207	VV	308	7910	0.23%	0.110%
171	12.250	12.207	12.288	VV	536	15797	0.46%	0.219%
172	12.314	12.288	12.341	VV	254	6859	0.20%	0.095%
173	12.357	12.341	12.378	VV	215	3170	0.09%	0.044%
174	12.404	12.378	12.416	VV	295	4262	0.12%	0.059%
175	12.476	12.416	12.498	VV	424	13663	0.40%	0.189%
176	12.527	12.498	12.554	VV	513	11041	0.32%	0.153%
177	12.566	12.554	12.571	VV	165	1310	0.04%	0.018%
178	12.607	12.571	12.631	VV	745	11708	0.34%	0.162%
179	12.666	12.631	12.698	VV	1494	20874	0.61%	0.289%
180	12.707	12.698	12.748	VV	233	5023	0.15%	0.070%
181	12.786	12.748	12.852	VV	374	10147	0.30%	0.141%
182	12.874	12.852	12.891	VV	160	2256	0.07%	0.031%
183	12.952	12.891	13.017	VV	244	12234	0.36%	0.170%
184	13.028	13.017	13.036	VV	297	2453	0.07%	0.034%
185	13.041	13.036	13.071	VV	250	4242	0.12%	0.059%
186	13.115	13.071	13.154	VV	291844	3421231	100.00%	47.411%
187	13.166	13.154	13.178	VV	438	5362	0.16%	0.074%
188	13.183	13.178	13.204	VV	381	4189	0.12%	0.058%
189	13.239	13.204	13.255	VV	273	7542	0.22%	0.105%
190	13.280	13.255	13.317	VV	476	11607	0.34%	0.161%
191	13.332	13.317	13.379	VV	400	11401	0.33%	0.158%
192	13.402	13.379	13.460	VV	324	11817	0.35%	0.164%
193	13.494	13.460	13.526	VV	378	11600	0.34%	0.161%
194	13.554	13.526	13.598	VV	432	15156	0.44%	0.210%

					rteres			
195	13.671	13.598	13.701	VV	348	17218	0.50%	0.239%
196	13.728	13.701	13.771	VV	388	12759	0.37%	0.177%
197	13.815	13.771	13.838	VV	726	16921	0.49%	0.234%
198	13.867	13.838	13.906	VV	1466	25988	0.76%	0.360%
199	13.956	13.906	13.978	VV	355	12915	0.38%	0.179%
200	13.985	13.978	13.996	VV	376	3386	0.10%	0.047%
201	14.005	13.996	14.034	VV	331	6763	0.20%	0.094%
202	14.090	14.034	14.161	VV	550	31237	0.91%	0.433%
203	14.170	14.161	14.188	VV	495	6814	0.20%	0.094%
204	14.198	14.188	14.218	VV	403	6711	0.20%	0.093%
205	14.235	14.218	14.248	VV	463	7199	0.21%	0.100%
206	14.304	14.248	14.371	VV	1311	46029	1.35%	0.638%
207	14.389	14.371	14.398	VV	567	7978	0.23%	0.111%
208	14.433	14.398	14.484	VV	695	26714	0.78%	0.370%
209	14.495	14.484	14.510	VV	543	7733	0.23%	0.107%
210	14.567	14.510	14.614	VV	589	32676	0.96%	0.453%
211	14.628	14.614	14.674	VV	759	17661	0.52%	0.245%
212	14.690	14.674	14.705	VV	568	9317	0.27%	0.129%
213	14.754	14.705	14.801	VV	576	30970	0.91%	0.429%
214	14.816	14.801	14.841	VV	601	12279	0.36%	0.170%
215	14.848	14.841	14.887	VV	491	12870	0.38%	0.178%
216	14.927	14.887	14.947	VV	969	22564	0.66%	0.313%
217	14.972	14.947	15.048	VV	1490	42371	1.24%	0.587%
218	15.051	15.048	15.064	VV	496	4238	0.12%	0.059%
219	15.138	15.100	15.229	VV	476	30345	0.89%	0.421%
220	15.243	15.229	15.299	VV	422	13946	0.41%	0.193%
221	15.313	15.299	15.341	VV	351	8013	0.23%	0.111%
222	15.385	15.341	15.441	VV	434	19830	0.58%	0.275%
223	15.462	15.441	15.471	VV	427	6381	0.19%	0.088%
224	15.494	15.471	15.595	VV	500	23680	0.69%	0.328%
225	15.616	15.595	15.649	VV	329	7569	0.22%	0.105%
226	15.664	15.649	15.711	VV	304	9274	0.27%	0.129%
227	15.767	15.711	15.778	VV	336	9799	0.29%	0.136%
228	15.795	15.778	15.831	VV	253	7114	0.21%	0.099%
229	15.861	15.831	15.882	VV	280	6877	0.20%	0.095%
230	15.921	15.882	15.935	VV	238	5856	0.17%	0.081%
231	15.956	15.935	15.972	VV	400	6612	0.19%	0.092%
232	15.995	15.972	16.119	VV	899	22501	0.66%	0.312%
233	16.164	16.119	16.181	VV	206	5111	0.15%	0.071%
234	16.218	16.181	16.254	VV	177	4202	0.12%	0.058%
235	16.269	16.254	16.350	VV	141	4325	0.13%	0.060%
236	16.391	16.350	16.410	VV	120	2953	0.09%	0.041%
237	16.429	16.410	16.461	VV	119	2599	0.08%	0.036%
238	16.480	16.461	16.515	VV	455	8237	0.24%	0.114%
239	16.522	16.515	16.548	VV	186	2407	0.07%	0.033%
240	16.656	16.548	16.701	VV	289	11377	0.33%	0.158%
241	16.775	16.701	16.807	VV	123	3764	0.11%	0.052%
242	16.843	16.807	16.860	PV	289	4055	0.12%	0.056%
243	16.947	16.860	17.022	VV	896	24971	0.73%	0.346%
244	17.061	17.022	17.094	VV	138	4094	0.12%	0.057%
245	17.100	17.094	17.131	VV	112	1331	0.04%	0.018%
246	17.159	17.131	17.191	VV	135	2557	0.07%	0.035%

					rterres			
247	17.227	17.191	17.278	PV	236	5939	0.17%	0.082%
248	17.291	17.278	17.308	VV	131	1920	0.06%	0.027%
249	17.336	17.308	17.351	VV	219	3361	0.10%	0.047%
250	17.399	17.351	17.458	VV	1015	19007	0.56%	0.263%
251	17.509	17.458	17.558	VV	164	6743	0.20%	0.093%
252	17.571	17.558	17.591	VV	104	1763	0.05%	0.024%
253	17.661	17.591	17.734	VV	176	7210	0.21%	0.100%
254	17.837	17.734	17.951	VV	1442	32748	0.96%	0.454%
255	18.020	17.951	18.044	VV	237	9585	0.28%	0.133%
256	18.062	18.044	18.081	PV	116	1382	0.04%	0.019%
257	18.104	18.081	18.170	VV	109	3396	0.10%	0.047%
258	18.260	18.170	18.314	VV	1476	28118	0.82%	0.390%
259	18.356	18.314	18.374	VV	105	2211	0.06%	0.031%
260	18.388	18.374	18.424	PV	111	1789	0.05%	0.025%
261	18.526	18.424	18.544	PV	245	10051	0.29%	0.139%
262	18.609	18.544	18.628	VV	186	7253	0.21%	0.101%
263	18.671	18.628	18.734	VV	1634	29151	0.85%	0.404%
264	18.760	18.734	18.794	VV	587	9068	0.27%	0.126%
265	18.824	18.794	18.851	VV	151	3066	0.09%	0.042%
266	18.925	18.851	18.954	PV	210	5116	0.15%	0.071%
267	19.069	18.954	19.131	VV	1112	23859	0.70%	0.331%
268	19.247	19.131	19.274	PV	243	12780	0.37%	0.177%
269	19.319	19.274	19.344	VV	203	6566	0.19%	0.091%
270	19.457	19.344	19.501	VV	1572	37525	1.10%	0.520%
271	19.658	19.501	19.674	VV	444	33398	0.98%	0.463%
272	19.702	19.674	19.728	VV	472	13735	0.40%	0.190%
273	19.746	19.728	19.794	VV	555	16678	0.49%	0.231%
274	19.833	19.794	19.864	VV	961	26034	0.76%	0.361%
275	20.110	19.864	20.144	VV	812	109605	3.20%	1.519%
276	20.197	20.144	20.231	VV	1864	57310	1.68%	0.794%
277	20.564	20.231	20.606	VV	1436	252542	7.38%	3.500%
278	20.798	20.606	20.901	VV	1312	201862	5.90%	2.797%
279	20.968	20.901	21.004	VV	1909	80987	2.37%	1.122%
280	21.023	21.004	21.091	VV	1096	53352	1.56%	0.739%
281	21.164	21.091	21.288	VV	1001	106871	3.12%	1.481%
282	21.418	21.288	21.464	VV	921	85885	2.51%	1.190%
283	21.486	21.464	21.594	VV	828	56209	1.64%	0.779%
284	21.605	21.594	21.621	VV	737	10710	0.31%	0.148%
285	21.631	21.621	21.661	VV	695	14957	0.44%	0.207%
286	21.752	21.661	21.771	VV	633	39933	1.17%	0.553%
287	21.809	21.771	21.884	VV	629	38485	1.12%	0.533%
288	21.937	21.884	21.987	VV	1563	57346	1.68%	0.795%
289	22.016	21.987	22.128	VV	571	38796	1.13%	0.538%
290	22.212	22.128	22.338	VV	383	39091	1.14%	0.542%
291	22.353	22.338	22.417	VV	237	5842	0.17%	0.081%
Sum of corrected areas:						7216082		

Aliphatic EPH 052425.M Thu Jun 12 07:07:11 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
 Data File : FD049446.D
 Signal(s) : FID2B.ch
 Acq On : 12 Jun 2025 02:48
 Operator : YP/AJ
 Sample : Q2198-01
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-202-SB02

Integration File: autoint1.e
 Quant Time: Jun 12 05:03:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 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...	7.734	6493936	39.065 ug/ml
Spiked Amount 50.000		Recovery =	78.13%
6) S 2-Fluorobiphenyl (SURR)	8.599	4465390	39.034 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	78.07%
11) S ortho-Terphenyl (SURR)	11.644	5682762	28.312 ug/ml
Spiked Amount 50.000		Recovery =	56.62%

Target Compounds

(f)=RT Delta > 1/2 Window

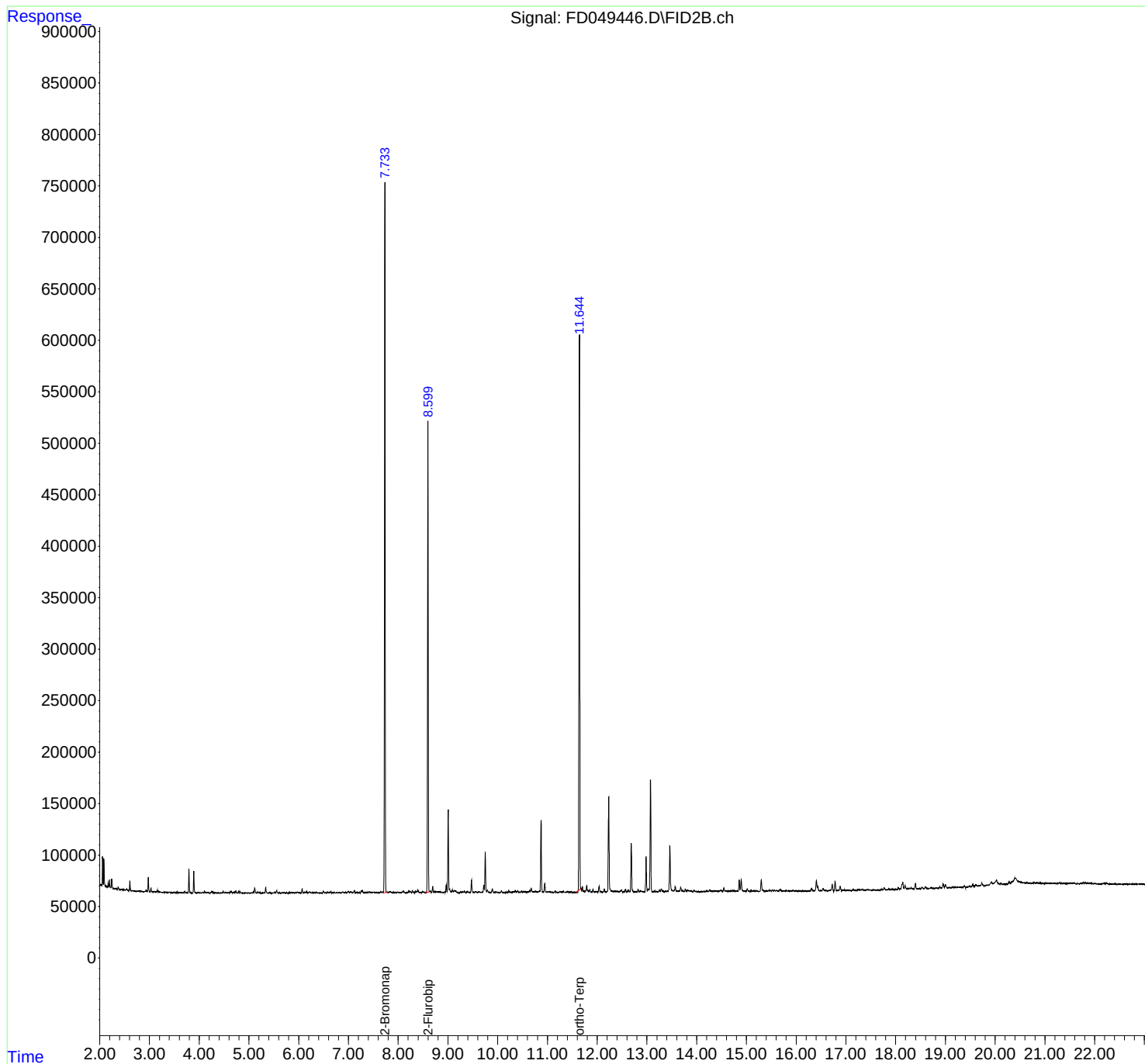
(m)=manual int.

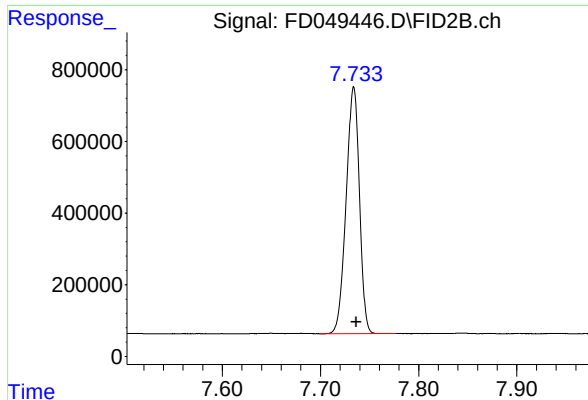
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
Data File : FD049446.D
Signal(s) : FID2B.ch
Acq On : 12 Jun 2025 02:48
Operator : YP/AJ
Sample : Q2198-01
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-202-SB02

Integration File: autoint1.e
Quant Time: Jun 12 05:03:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

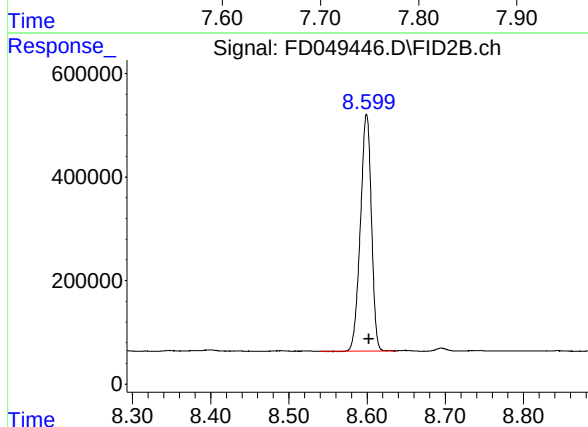




#4 2-Bromonaphthalene (SURR)

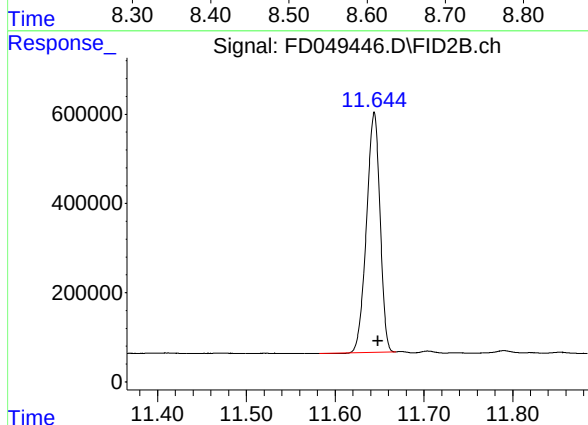
R.T.: 7.734 min
Delta R.T.: -0.002 min
Response: 6493936
Conc: 39.06 ug/ml

Instrument :
FID_D
ClientSampleId :
B-202-SB02



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.599 min
Delta R.T.: -0.003 min
Response: 4465390
Conc: 39.03 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.644 min
Delta R.T.: -0.004 min
Response: 5682762
Conc: 28.31 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
 Data File : FD049446.D
 Signal(s) : FID2B.ch
 Acq On : 12 Jun 2025 02:48
 Sample : Q2198-01
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.258	4.250	4.271	BV	749	3887	0.06%	0.013%
2	4.283	4.271	4.310	PV	705	6468	0.10%	0.021%
3	4.320	4.310	4.329	PV	296	1835	0.03%	0.006%
4	4.332	4.329	4.369	VV	230	2789	0.04%	0.009%
5	4.376	4.369	4.398	VV	327	3300	0.05%	0.011%
6	4.442	4.406	4.453	VV	352	4846	0.07%	0.016%
7	4.481	4.453	4.508	VV	1557	19010	0.29%	0.063%
8	4.527	4.508	4.542	VV	821	10240	0.16%	0.034%
9	4.551	4.542	4.557	VV	405	2621	0.04%	0.009%
10	4.563	4.557	4.567	VV	332	1745	0.03%	0.006%
11	4.585	4.567	4.588	VV	463	4870	0.07%	0.016%
12	4.598	4.588	4.610	VV	645	6111	0.09%	0.020%
13	4.626	4.610	4.638	VV	1821	18295	0.28%	0.060%
14	4.651	4.638	4.685	VV	1796	23349	0.36%	0.077%
15	4.706	4.685	4.722	VV	1809	20012	0.31%	0.066%
16	4.736	4.722	4.756	VV	2539	25333	0.39%	0.084%
17	4.789	4.756	4.805	VV	1984	21026	0.32%	0.069%
18	4.817	4.805	4.843	VV	1981	20992	0.32%	0.069%
19	4.851	4.843	4.873	VV	533	5195	0.08%	0.017%
20	4.907	4.873	4.912	PV	284	4064	0.06%	0.013%
21	4.926	4.912	4.943	VV	788	8558	0.13%	0.028%
22	4.951	4.943	4.972	VV	354	4231	0.06%	0.014%
23	4.987	4.981	5.005	VV	281	3046	0.05%	0.010%
24	5.012	5.005	5.022	VV	388	2912	0.04%	0.010%
25	5.041	5.022	5.064	VV	633	9834	0.15%	0.032%
26	5.091	5.064	5.099	VV	1147	14317	0.22%	0.047%
27	5.117	5.099	5.141	VV	5243	58652	0.90%	0.193%
28	5.145	5.141	5.150	VV	370	2066	0.03%	0.007%
29	5.174	5.150	5.194	VV	1268	18392	0.28%	0.061%
30	5.201	5.194	5.212	VV	558	5108	0.08%	0.017%
31	5.222	5.212	5.247	VV	857	9981	0.15%	0.033%
32	5.257	5.247	5.282	VV	321	4398	0.07%	0.015%
33	5.309	5.282	5.318	VV	637	7302	0.11%	0.024%
34	5.337	5.318	5.369	VV	5726	60973	0.94%	0.201%
35	5.402	5.369	5.415	VV	419	8258	0.13%	0.027%
36	5.426	5.415	5.452	VV	416	4494	0.07%	0.015%

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37	5.482	5.452	5.497	VV	452	8220	0.13%	0.027%
38	5.519	5.497	5.538	VV	1322	16150	0.25%	0.053%
39	5.558	5.538	5.583	VV	2706	32684	0.50%	0.108%
40	5.588	5.583	5.602	VV	434	3608	0.06%	0.012%
41	5.615	5.602	5.644	VV	619	8734	0.13%	0.029%
42	5.650	5.644	5.659	VV	359	2331	0.04%	0.008%
43	5.679	5.659	5.691	VV	567	7062	0.11%	0.023%
44	5.707	5.691	5.729	VV	710	7179	0.11%	0.024%
45	5.757	5.729	5.791	PV	653	11767	0.18%	0.039%
46	5.811	5.791	5.843	VV	740	15017	0.23%	0.050%
47	5.859	5.843	5.879	VV	932	12458	0.19%	0.041%
48	5.890	5.879	5.908	VV	519	5952	0.09%	0.020%
49	5.930	5.908	5.940	VV	598	6849	0.11%	0.023%
50	5.951	5.940	5.956	VV	459	3565	0.05%	0.012%
51	5.975	5.956	5.994	VV	1316	16975	0.26%	0.056%
52	6.003	5.994	6.027	VV	611	9149	0.14%	0.030%
53	6.042	6.027	6.047	VV	590	5415	0.08%	0.018%
54	6.070	6.047	6.092	VV	4294	50194	0.77%	0.166%
55	6.115	6.092	6.137	VV	1213	18028	0.28%	0.059%
56	6.157	6.137	6.189	VV	1871	28111	0.43%	0.093%
57	6.220	6.189	6.255	VV	1335	26923	0.41%	0.089%
58	6.264	6.255	6.270	VV	534	3817	0.06%	0.013%
59	6.288	6.270	6.328	VV	692	18270	0.28%	0.060%
60	6.345	6.328	6.375	VV	1141	19175	0.29%	0.063%
61	6.380	6.375	6.397	VV	462	3627	0.06%	0.012%
62	6.449	6.397	6.456	VV	378	7236	0.11%	0.024%
63	6.467	6.456	6.476	VV	345	2828	0.04%	0.009%
64	6.498	6.476	6.527	VV	2147	30599	0.47%	0.101%
65	6.538	6.527	6.547	VV	558	5382	0.08%	0.018%
66	6.553	6.547	6.556	VV	514	2531	0.04%	0.008%
67	6.582	6.556	6.601	VV	1033	18348	0.28%	0.061%
68	6.619	6.601	6.629	VV	1016	11806	0.18%	0.039%
69	6.646	6.629	6.672	VV	1840	23186	0.36%	0.076%
70	6.679	6.672	6.700	VV	694	7829	0.12%	0.026%
71	6.718	6.700	6.739	VV	1241	13354	0.20%	0.044%
72	6.745	6.739	6.750	VV	336	1620	0.02%	0.005%
73	6.760	6.750	6.769	VV	337	3126	0.05%	0.010%
74	6.779	6.769	6.795	VV	512	5689	0.09%	0.019%
75	6.807	6.795	6.814	VV	505	4190	0.06%	0.014%
76	6.825	6.814	6.853	VV	582	9809	0.15%	0.032%
77	6.860	6.853	6.865	VV	426	2383	0.04%	0.008%
78	6.887	6.865	6.915	VV	1394	20501	0.31%	0.068%
79	6.939	6.915	6.964	VV	1019	18297	0.28%	0.060%
80	6.993	6.964	7.016	VV	1579	29763	0.46%	0.098%
81	7.036	7.016	7.044	VV	1168	16185	0.25%	0.053%
82	7.054	7.044	7.086	VV	1334	20765	0.32%	0.068%
83	7.120	7.086	7.142	VV	2066	36978	0.57%	0.122%
84	7.156	7.142	7.164	VV	688	6760	0.10%	0.022%
85	7.169	7.164	7.175	VV	599	3841	0.06%	0.013%
86	7.185	7.175	7.200	VV	685	6049	0.09%	0.020%
87	7.206	7.200	7.210	VV	341	1688	0.03%	0.006%
88	7.222	7.210	7.242	VV	555	6771	0.10%	0.022%
89	7.258	7.242	7.268	VV	2324	24001	0.37%	0.079%

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90	7.280	7.268	7.318	VV	2927	37390	0.57%	0.123%
91	7.337	7.318	7.348	VV	851	10083	0.15%	0.033%
92	7.357	7.348	7.369	VV	804	7460	0.11%	0.025%
93	7.385	7.369	7.400	VV	958	12085	0.19%	0.040%
94	7.418	7.400	7.442	VV	1723	23823	0.37%	0.079%
95	7.451	7.442	7.466	VV	888	9981	0.15%	0.033%
96	7.492	7.466	7.496	VV	756	11213	0.17%	0.037%
97	7.511	7.496	7.530	VV	984	13875	0.21%	0.046%
98	7.535	7.530	7.544	VV	478	3252	0.05%	0.011%
99	7.561	7.544	7.572	VV	569	8288	0.13%	0.027%
100	7.575	7.572	7.587	VV	603	4590	0.07%	0.015%
101	7.592	7.587	7.597	VV	447	2607	0.04%	0.009%
102	7.599	7.597	7.618	VV	528	4149	0.06%	0.014%
103	7.649	7.618	7.664	VV	1540	23717	0.36%	0.078%
104	7.680	7.664	7.704	VV	1441	20392	0.31%	0.067%
105	7.734	7.704	7.777	VV	689626	6516998	100.00%	21.496%
106	7.782	7.777	7.793	VV	811	6157	0.09%	0.020%
107	7.799	7.793	7.804	VV	691	4179	0.06%	0.014%
108	7.844	7.804	7.861	VV	1648	36748	0.56%	0.121%
109	7.872	7.861	7.886	VV	699	8882	0.14%	0.029%
110	7.902	7.886	7.922	VV	730	11822	0.18%	0.039%
111	7.940	7.922	7.962	VV	658	12463	0.19%	0.041%
112	7.987	7.962	8.025	VV	1175	27769	0.43%	0.092%
113	8.042	8.025	8.057	VV	680	8598	0.13%	0.028%
114	8.072	8.057	8.080	VV	859	8408	0.13%	0.028%
115	8.097	8.080	8.102	VV	1674	16105	0.25%	0.053%
116	8.111	8.102	8.148	VV	1579	24755	0.38%	0.082%
117	8.166	8.148	8.170	VV	425	4799	0.07%	0.016%
118	8.182	8.170	8.200	VV	835	12887	0.20%	0.043%
119	8.216	8.200	8.230	VV	2634	29913	0.46%	0.099%
120	8.243	8.230	8.265	VV	1828	23767	0.36%	0.078%
121	8.287	8.265	8.306	VV	2460	32648	0.50%	0.108%
122	8.317	8.306	8.332	VV	702	8344	0.13%	0.028%
123	8.347	8.332	8.361	VV	1835	19919	0.31%	0.066%
124	8.400	8.361	8.426	VV	3069	61675	0.95%	0.203%
125	8.435	8.426	8.461	VV	884	13010	0.20%	0.043%
126	8.491	8.461	8.505	VV	1429	21989	0.34%	0.073%
127	8.522	8.505	8.547	VV	942	14180	0.22%	0.047%
128	8.599	8.547	8.637	VV	458817	4507043	69.16%	14.866%
129	8.649	8.637	8.675	VV	1978	27559	0.42%	0.091%
130	8.695	8.675	8.718	VV	6443	71310	1.09%	0.235%
131	8.741	8.718	8.757	VV	1806	30519	0.47%	0.101%
132	8.772	8.757	8.785	VV	1154	16841	0.26%	0.056%
133	8.844	8.785	8.879	VV	1458	54006	0.83%	0.178%
134	8.888	8.879	8.896	VV	753	6686	0.10%	0.022%
135	8.904	8.896	8.920	VV	577	7595	0.12%	0.025%
136	8.934	8.920	8.948	VV	1036	13786	0.21%	0.045%
137	8.966	8.948	8.983	VV	7691	81327	1.25%	0.268%
138	9.007	8.983	9.027	VV	80945	794170	12.19%	2.619%
139	9.036	9.027	9.057	VV	3939	47150	0.72%	0.156%
140	9.062	9.057	9.073	VV	1424	10769	0.17%	0.036%
141	9.091	9.073	9.114	VV	2641	44474	0.68%	0.147%

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142	9.129	9.114	9.150	VV	2413	42874	0.66%	0.141%
143	9.161	9.150	9.185	VV	2158	26267	0.40%	0.087%
144	9.193	9.185	9.222	VV	842	9853	0.15%	0.032%
145	9.254	9.222	9.275	PV	1130	17818	0.27%	0.059%
146	9.293	9.275	9.309	VV	1482	19746	0.30%	0.065%
147	9.333	9.309	9.369	VV	1413	28533	0.44%	0.094%
148	9.392	9.369	9.423	VV	1380	25808	0.40%	0.085%
149	9.439	9.423	9.452	VV	768	8583	0.13%	0.028%
150	9.475	9.452	9.515	VV	12389	137634	2.11%	0.454%
151	9.527	9.515	9.532	VV	533	4310	0.07%	0.014%
152	9.555	9.532	9.586	VV	1483	28620	0.44%	0.094%
153	9.624	9.586	9.643	VV	991	24266	0.37%	0.080%
154	9.655	9.643	9.675	VV	818	12082	0.19%	0.040%
155	9.687	9.675	9.700	VV	886	9929	0.15%	0.033%
156	9.723	9.700	9.734	VV	7411	80776	1.24%	0.266%
157	9.752	9.734	9.775	VV	39797	408503	6.27%	1.347%
158	9.796	9.775	9.837	VV	2740	46401	0.71%	0.153%
159	9.849	9.837	9.856	VV	525	4739	0.07%	0.016%
160	9.896	9.856	9.920	VV	3795	59410	0.91%	0.196%
161	9.923	9.920	9.941	VV	547	4330	0.07%	0.014%
162	9.960	9.941	9.982	VV	927	15339	0.24%	0.051%
163	9.991	9.982	9.995	VV	594	4024	0.06%	0.013%
164	10.001	9.995	10.012	VV	547	4607	0.07%	0.015%
165	10.017	10.012	10.028	VV	434	3091	0.05%	0.010%
166	10.036	10.028	10.041	VV	343	2046	0.03%	0.007%
167	10.077	10.041	10.101	VV	2125	29400	0.45%	0.097%
168	10.105	10.101	10.117	VV	373	2683	0.04%	0.009%
169	10.120	10.117	10.141	VV	256	2818	0.04%	0.009%
170	10.164	10.141	10.178	VV	408	5784	0.09%	0.019%
171	10.188	10.178	10.193	VV	433	2400	0.04%	0.008%
172	10.225	10.193	10.245	VV	1822	28638	0.44%	0.094%
173	10.251	10.245	10.259	VV	614	3965	0.06%	0.013%
174	10.276	10.259	10.292	VV	842	11631	0.18%	0.038%
175	10.309	10.292	10.332	VV	1044	19548	0.30%	0.064%
176	10.354	10.332	10.380	VV	2554	38082	0.58%	0.126%
177	10.405	10.380	10.436	VV	1618	30474	0.47%	0.101%
178	10.440	10.436	10.449	VV	511	3230	0.05%	0.011%
179	10.471	10.449	10.493	VV	1471	23950	0.37%	0.079%
180	10.501	10.493	10.520	VV	849	11979	0.18%	0.040%
181	10.525	10.520	10.544	VV	905	8437	0.13%	0.028%
182	10.556	10.544	10.562	VV	893	7346	0.11%	0.024%
183	10.567	10.562	10.585	VV	827	9041	0.14%	0.030%
184	10.602	10.585	10.610	VV	862	10271	0.16%	0.034%
185	10.619	10.610	10.625	VV	899	7172	0.11%	0.024%
186	10.642	10.625	10.654	VV	1608	20742	0.32%	0.068%
187	10.676	10.654	10.701	VV	3710	62222	0.95%	0.205%
188	10.710	10.701	10.729	VV	962	14157	0.22%	0.047%
189	10.751	10.729	10.766	VV	1505	24455	0.38%	0.081%
190	10.772	10.766	10.794	VV	1192	14185	0.22%	0.047%
191	10.808	10.794	10.827	VV	991	15529	0.24%	0.051%
192	10.842	10.827	10.850	VV	1766	18072	0.28%	0.060%
193	10.873	10.850	10.901	VV	70399	713632	10.95%	2.354%
194	10.908	10.901	10.922	VV	650	6866	0.11%	0.023%

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195	10.947	10.922	10.974	VV	8959	103620	1.59%	0.342%
196	10.984	10.974	10.999	VV	655	8884	0.14%	0.029%
197	11.004	10.999	11.009	VV	604	3112	0.05%	0.010%
198	11.027	11.009	11.033	VV	727	9070	0.14%	0.030%
199	11.047	11.033	11.067	VV	890	14172	0.22%	0.047%
200	11.075	11.067	11.081	VV	513	3873	0.06%	0.013%
201	11.084	11.081	11.104	VV	527	4359	0.07%	0.014%
202	11.108	11.104	11.116	VV	409	2242	0.03%	0.007%
203	11.157	11.116	11.197	VV	1775	28348	0.43%	0.094%
204	11.206	11.197	11.212	VV	219	1353	0.02%	0.004%
205	11.253	11.212	11.276	VV	850	18856	0.29%	0.062%
206	11.289	11.276	11.301	VV	588	6885	0.11%	0.023%
207	11.321	11.301	11.352	VV	1477	19263	0.30%	0.064%
208	11.369	11.352	11.378	VV	517	5939	0.09%	0.020%
209	11.410	11.378	11.445	VV	1120	24779	0.38%	0.082%
210	11.473	11.445	11.495	VV	833	13646	0.21%	0.045%
211	11.523	11.495	11.552	VV	564	9340	0.14%	0.031%
212	11.566	11.552	11.584	VV	305	3597	0.06%	0.012%
213	11.595	11.584	11.604	PV	260	1748	0.03%	0.006%
214	11.644	11.604	11.669	VV	539706	5779317	88.68%	19.062%
215	11.674	11.669	11.689	VV	4340	38678	0.59%	0.128%
216	11.704	11.689	11.724	VV	5489	64256	0.99%	0.212%
217	11.736	11.724	11.755	VV	1618	21077	0.32%	0.070%
218	11.790	11.755	11.813	VV	6332	98837	1.52%	0.326%
219	11.821	11.813	11.835	VV	1837	18203	0.28%	0.060%
220	11.854	11.835	11.876	VV	2847	36107	0.55%	0.119%
221	11.914	11.876	11.949	VV	2944	44567	0.68%	0.147%
222	11.970	11.949	11.975	VV	825	10551	0.16%	0.035%
223	11.986	11.975	12.003	VV	938	12008	0.18%	0.040%
224	12.038	12.003	12.065	VV	6107	79178	1.21%	0.261%
225	12.078	12.065	12.100	VV	1106	14556	0.22%	0.048%
226	12.109	12.100	12.113	VV	262	1623	0.02%	0.005%
227	12.143	12.113	12.166	VV	3255	40866	0.63%	0.135%
228	12.194	12.166	12.200	VV	865	10857	0.17%	0.036%
229	12.233	12.200	12.309	VV	92797	1139789	17.49%	3.759%
230	12.317	12.309	12.334	VV	1029	14081	0.22%	0.046%
231	12.358	12.334	12.377	VV	1154	24324	0.37%	0.080%
232	12.412	12.377	12.445	VV	1104	32860	0.50%	0.108%
233	12.488	12.445	12.513	VV	2356	50881	0.78%	0.168%
234	12.519	12.513	12.530	VV	446	2940	0.05%	0.010%
235	12.568	12.530	12.595	VV	2813	45649	0.70%	0.151%
236	12.628	12.595	12.652	VV	2243	39504	0.61%	0.130%
237	12.685	12.652	12.742	VV	47608	549117	8.43%	1.811%
238	12.753	12.742	12.771	VV	521	6945	0.11%	0.023%
239	12.781	12.771	12.797	VV	533	6289	0.10%	0.021%
240	12.823	12.797	12.854	VV	2824	40529	0.62%	0.134%
241	12.874	12.854	12.889	VV	1750	22630	0.35%	0.075%
242	12.898	12.889	12.940	VV	868	19012	0.29%	0.063%
243	12.945	12.940	12.959	VV	418	3933	0.06%	0.013%
244	12.983	12.959	13.006	VV	34675	381348	5.85%	1.258%
245	13.022	13.006	13.037	VV	3185	46021	0.71%	0.152%
246	13.071	13.037	13.101	VV	109052	1295783	19.88%	4.274%

					rteres			
247	13.113	13.101	13.129	VV	624	8530	0.13%	0.028%
248	13.156	13.129	13.177	VV	1287	21424	0.33%	0.071%
249	13.187	13.177	13.197	VV	625	6570	0.10%	0.022%
250	13.205	13.197	13.211	VV	509	3409	0.05%	0.011%
251	13.250	13.211	13.268	VV	1826	31969	0.49%	0.105%
252	13.289	13.268	13.314	VV	2946	44595	0.68%	0.147%
253	13.322	13.314	13.344	VV	976	12908	0.20%	0.043%
254	13.381	13.344	13.399	VV	1385	26257	0.40%	0.087%
255	13.406	13.399	13.419	VV	819	8036	0.12%	0.027%
256	13.460	13.419	13.535	VV	44481	604709	9.28%	1.995%
257	13.569	13.535	13.604	VV	5337	92398	1.42%	0.305%
258	13.607	13.604	13.610	VV	576	2405	0.04%	0.008%
259	13.637	13.610	13.655	VV	1185	21823	0.33%	0.072%
260	13.678	13.655	13.702	VV	4637	67542	1.04%	0.223%
261	13.718	13.702	13.737	VV	1896	23598	0.36%	0.078%
262	13.771	13.737	13.792	VV	2864	43954	0.67%	0.145%
263	13.821	13.792	13.836	VV	1890	32335	0.50%	0.107%
264	13.849	13.836	13.868	VV	1422	18976	0.29%	0.063%
265	13.890	13.868	13.905	VV	1408	22121	0.34%	0.073%
266	13.915	13.905	13.929	VV	600	6597	0.10%	0.022%
267	13.946	13.929	13.977	VV	1779	26728	0.41%	0.088%
268	13.984	13.977	14.012	VV	414	6883	0.11%	0.023%
269	14.015	14.012	14.020	VV	332	1118	0.02%	0.004%
270	14.027	14.020	14.045	VV	366	3987	0.06%	0.013%
271	14.056	14.045	14.062	VV	404	3244	0.05%	0.011%
272	14.063	14.062	14.083	VV	406	2585	0.04%	0.009%
273	14.100	14.083	14.140	VV	538	12042	0.18%	0.040%
274	14.147	14.140	14.160	VV	583	4966	0.08%	0.016%
275	14.172	14.160	14.188	VV	434	5890	0.09%	0.019%
276	14.208	14.188	14.234	VV	1466	21892	0.34%	0.072%
277	14.257	14.234	14.295	VV	1853	38569	0.59%	0.127%
278	14.318	14.295	14.341	VV	780	16104	0.25%	0.053%
279	14.384	14.341	14.396	VV	899	21968	0.34%	0.072%
280	14.402	14.396	14.434	VV	868	13135	0.20%	0.043%
281	14.448	14.434	14.458	VV	727	8323	0.13%	0.027%
282	14.482	14.458	14.514	VV	1697	34804	0.53%	0.115%
283	14.520	14.514	14.527	VV	896	6425	0.10%	0.021%
284	14.546	14.527	14.569	VV	3963	53502	0.82%	0.176%
285	14.583	14.569	14.650	VV	1137	36821	0.56%	0.121%
286	14.671	14.650	14.683	VV	737	11502	0.18%	0.038%
287	14.705	14.683	14.713	VV	947	12575	0.19%	0.041%
288	14.731	14.713	14.757	VV	1134	23030	0.35%	0.076%
289	14.762	14.757	14.795	VV	896	13221	0.20%	0.044%
290	14.808	14.795	14.828	VV	972	12681	0.19%	0.042%
291	14.853	14.828	14.872	VV	11542	136308	2.09%	0.450%
292	14.894	14.872	14.957	VV	11694	177262	2.72%	0.585%
293	14.963	14.957	14.982	VV	649	7306	0.11%	0.024%
294	15.016	14.982	15.039	VV	2764	43508	0.67%	0.144%
295	15.045	15.039	15.070	VV	861	10063	0.15%	0.033%
296	15.092	15.070	15.117	VV	1014	15007	0.23%	0.049%
297	15.120	15.117	15.127	VV	364	1583	0.02%	0.005%
298	15.149	15.127	15.175	VV	1183	17098	0.26%	0.056%
299	15.192	15.175	15.207	VV	838	11816	0.18%	0.039%

					rteres			
300	15.212	15.207	15.216	VV	546	2873	0.04%	0.009%
301	15.221	15.216	15.250	VV	531	7251	0.11%	0.024%
302	15.297	15.250	15.380	PV	11271	184969	2.84%	0.610%
303	15.391	15.380	15.421	VV	651	11566	0.18%	0.038%
304	15.460	15.421	15.476	VV	1403	27206	0.42%	0.090%
305	15.485	15.476	15.505	VV	913	13038	0.20%	0.043%
306	15.525	15.505	15.545	VV	1828	27068	0.42%	0.089%
307	15.564	15.545	15.586	VV	1251	19466	0.30%	0.064%
308	15.607	15.586	15.624	VV	948	16421	0.25%	0.054%
309	15.685	15.624	15.717	VV	1886	53530	0.82%	0.177%
310	15.720	15.717	15.727	VV	534	2853	0.04%	0.009%
311	15.731	15.727	15.735	VV	508	2211	0.03%	0.007%
312	15.743	15.735	15.746	VV	569	3402	0.05%	0.011%
313	15.751	15.746	15.754	VV	693	2626	0.04%	0.009%
314	15.758	15.754	15.760	VV	715	2475	0.04%	0.008%
315	15.767	15.760	15.790	VV	810	11459	0.18%	0.038%
316	15.809	15.790	15.827	VV	823	13525	0.21%	0.045%
317	15.848	15.827	15.865	VV	840	12256	0.19%	0.040%
318	15.900	15.865	15.915	VV	723	15155	0.23%	0.050%
319	15.939	15.915	15.968	VV	1242	22147	0.34%	0.073%
320	15.997	15.968	16.016	VV	576	11758	0.18%	0.039%
321	16.020	16.016	16.029	VV	356	2110	0.03%	0.007%
322	16.033	16.029	16.048	VV	309	2627	0.04%	0.009%
323	16.055	16.048	16.060	VV	331	2035	0.03%	0.007%
324	16.088	16.060	16.120	VV	476	11287	0.17%	0.037%
325	16.126	16.120	16.152	VV	514	5335	0.08%	0.018%
326	16.157	16.152	16.175	VV	341	3609	0.06%	0.012%
327	16.181	16.175	16.210	VV	434	4706	0.07%	0.016%
328	16.225	16.210	16.249	PV	420	5270	0.08%	0.017%
329	16.308	16.249	16.372	VV	2974	67977	1.04%	0.224%
330	16.405	16.372	16.424	VV	10335	149448	2.29%	0.493%
331	16.433	16.424	16.464	VV	4893	60312	0.93%	0.199%
332	16.469	16.464	16.485	VV	399	4005	0.06%	0.013%
333	16.502	16.485	16.519	VV	795	10883	0.17%	0.036%
334	16.538	16.519	16.584	VV	2208	48579	0.75%	0.160%
335	16.587	16.584	16.595	VV	630	3866	0.06%	0.013%
336	16.598	16.595	16.624	VV	525	6656	0.10%	0.022%
337	16.658	16.624	16.670	VV	647	11419	0.18%	0.038%
338	16.725	16.670	16.755	VV	6265	100743	1.55%	0.332%
339	16.782	16.755	16.840	VV	9127	123129	1.89%	0.406%
340	16.852	16.840	16.857	VV	688	5092	0.08%	0.017%
341	16.883	16.857	16.915	VV	4582	62292	0.96%	0.205%
342	16.935	16.915	16.964	VV	742	14724	0.23%	0.049%
343	16.969	16.964	16.982	VV	790	4262	0.07%	0.014%
344	16.987	16.982	16.992	VV	439	1865	0.03%	0.006%
345	17.006	16.992	17.011	VV	440	3659	0.06%	0.012%
346	17.036	17.011	17.067	VV	495	12557	0.19%	0.041%
347	17.079	17.067	17.108	VV	456	6906	0.11%	0.023%
348	17.152	17.117	17.184	VV	950	21643	0.33%	0.071%
349	17.186	17.184	17.189	VV	465	1234	0.02%	0.004%
350	17.193	17.189	17.217	VV	488	5006	0.08%	0.017%
351	17.251	17.217	17.269	VV	1185	22093	0.34%	0.073%

					rterres			
352	17.280	17.269	17.303	VV	862	13885	0.21%	0.046%
353	17.333	17.303	17.352	VV	1142	21033	0.32%	0.069%
354	17.370	17.352	17.387	VV	598	8323	0.13%	0.027%
355	17.397	17.387	17.402	VV	479	3449	0.05%	0.011%
356	17.440	17.402	17.469	VV	899	21439	0.33%	0.071%
357	17.487	17.469	17.500	VV	398	4664	0.07%	0.015%
358	17.506	17.500	17.517	VV	247	1605	0.02%	0.005%
359	17.561	17.517	17.579	PV	646	12992	0.20%	0.043%
360	17.593	17.579	17.615	VV	274	4310	0.07%	0.014%
361	17.630	17.624	17.634	VV	261	1063	0.02%	0.004%
362	17.646	17.634	17.652	VV	337	2170	0.03%	0.007%
363	17.681	17.652	17.685	VV	201	2078	0.03%	0.007%
364	17.731	17.685	17.750	VV	682	17395	0.27%	0.057%
365	17.771	17.750	17.798	VV	1865	28069	0.43%	0.093%
366	17.805	17.798	17.819	VV	226	1770	0.03%	0.006%
367	17.860	17.819	17.867	VV	743	11996	0.18%	0.040%
368	17.870	17.867	17.900	VV	661	8394	0.13%	0.028%
369	17.912	17.900	17.920	VV	514	4692	0.07%	0.015%
370	17.943	17.920	17.958	VV	669	11994	0.18%	0.040%
371	17.962	17.958	17.969	VV	422	2552	0.04%	0.008%
372	17.973	17.969	17.978	VV	411	1649	0.03%	0.005%
373	17.981	17.978	17.988	VV	272	1812	0.03%	0.006%
374	18.000	17.988	18.029	VV	613	7642	0.12%	0.025%
375	18.054	18.029	18.072	VV	1655	23650	0.36%	0.078%
376	18.082	18.072	18.099	VV	746	8977	0.14%	0.030%
377	18.143	18.099	18.168	VV	7165	147189	2.26%	0.485%
378	18.190	18.168	18.222	VV	3646	61521	0.94%	0.203%
379	18.278	18.222	18.296	VV	1408	29953	0.46%	0.099%
380	18.310	18.296	18.330	VV	1453	20675	0.32%	0.068%
381	18.338	18.330	18.370	VV	597	7442	0.11%	0.025%
382	18.397	18.370	18.425	VV	5378	68566	1.05%	0.226%
383	18.436	18.425	18.458	VV	602	6740	0.10%	0.022%
384	18.464	18.458	18.467	VV	347	1443	0.02%	0.005%
385	18.476	18.467	18.508	VV	531	8868	0.14%	0.029%
386	18.530	18.508	18.557	VV	2001	29441	0.45%	0.097%
387	18.564	18.557	18.570	VV	428	2980	0.05%	0.010%
388	18.600	18.570	18.657	VV	1972	41809	0.64%	0.138%
389	18.704	18.657	18.777	PV	840	27917	0.43%	0.092%
390	18.804	18.777	18.809	VV	514	5141	0.08%	0.017%
391	18.814	18.809	18.819	VV	473	2329	0.04%	0.008%
392	18.827	18.819	18.848	VV	481	5420	0.08%	0.018%
393	18.859	18.848	18.866	PV	331	1971	0.03%	0.007%
394	18.886	18.866	18.920	VV	1188	15481	0.24%	0.051%
395	18.952	18.920	18.978	PV	3528	49566	0.76%	0.163%

Sum of corrected areas: 30317877

Aromatic EPH 052425.M Thu Jun 12 05:52:07 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069172.D
 Signal(s) : FID1A.ch
 Acq On : 12 Jun 2025 03:27
 Operator : YP/AJ
 Sample : Q2198-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 B-207-SB02

Integration File: autoint1.e
 Quant Time: Jun 12 06:08:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.116	4598589	51.258 ug/ml
Spiked Amount	50.000	Recovery	= 102.52%

Target Compounds

(f)=RT Delta > 1/2 Window

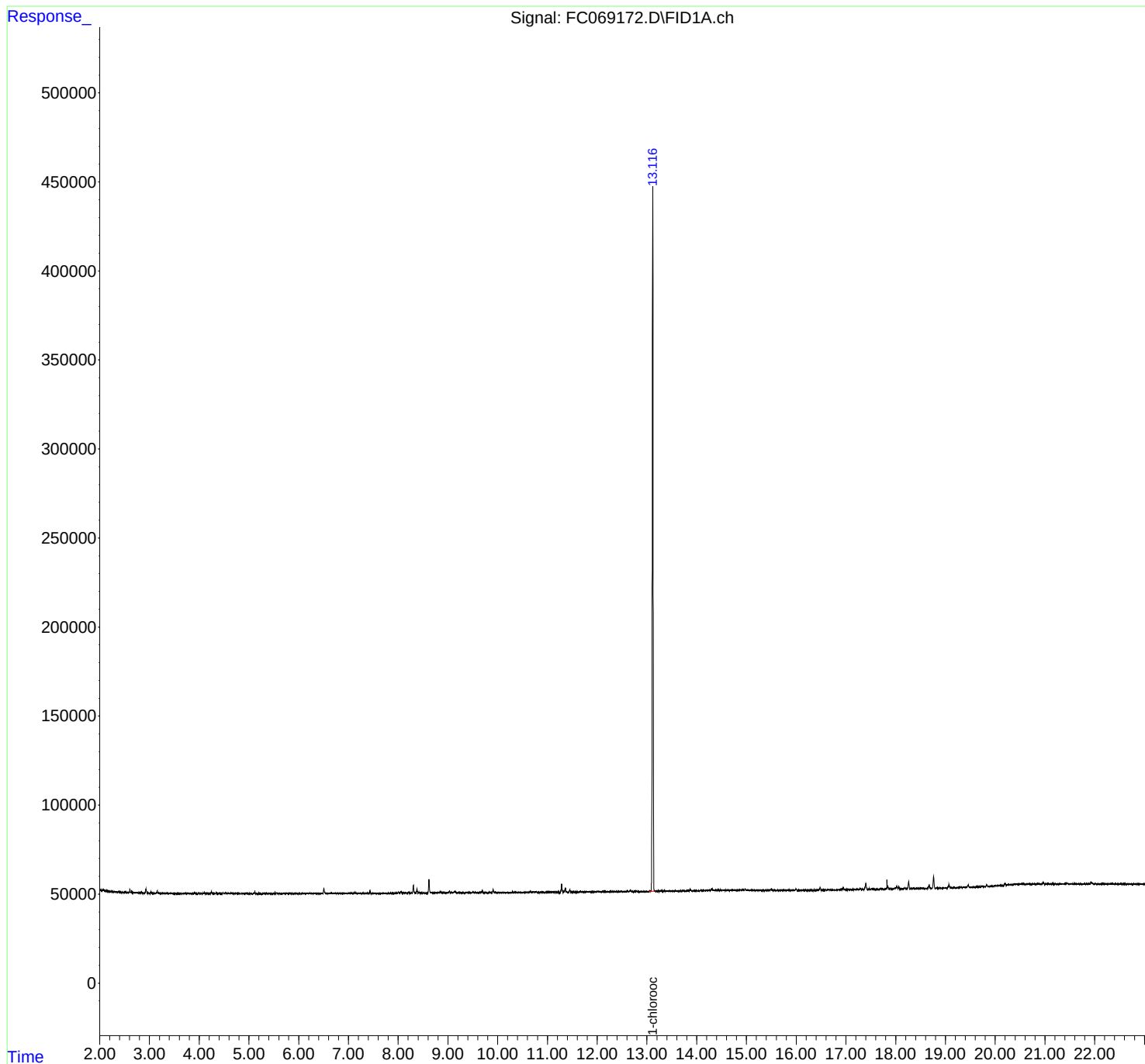
(m)=manual int.

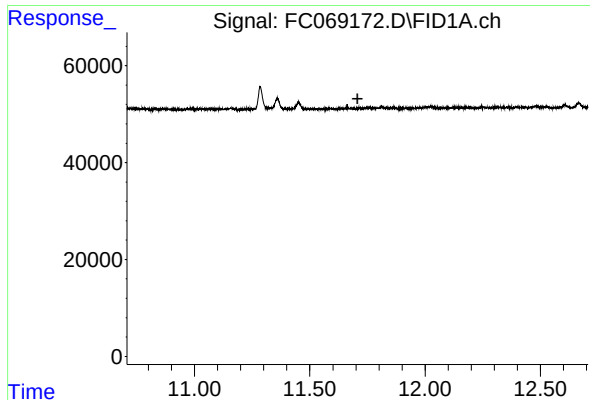
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069172.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 03:27
Operator : YP/AJ
Sample : Q2198-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-207-SB02

Integration File: autoint1.e
Quant Time: Jun 12 06:08:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

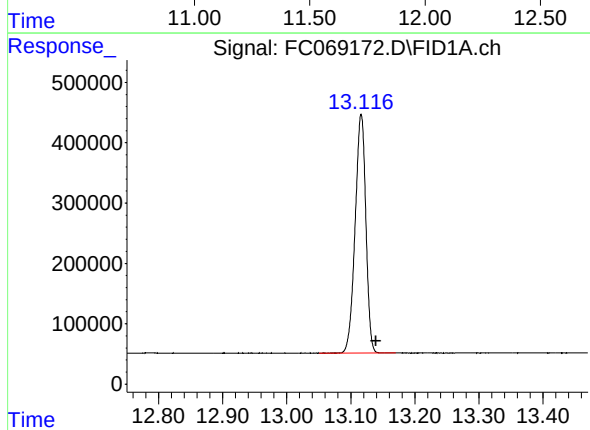




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.707 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-207-SB02



#12 1-chlorooctadecane (SURR)

R.T.: 13.116 min
Delta R.T.: -0.023 min
Response: 4598589
Conc: 51.26 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069172.D
 Signal(s) : FID1A.ch
 Acq On : 12 Jun 2025 03:27
 Sample : Q2198-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.231	3.205	3.273	BV	67	86	0.00%	0.001%
2	3.284	3.273	3.310	PV	88	745	0.02%	0.009%
3	3.333	3.325	3.341	VV	103	604	0.01%	0.007%
4	3.347	3.341	3.392	VV	100	2081	0.05%	0.024%
5	3.407	3.392	3.485	VV	273	4728	0.10%	0.055%
6	3.515	3.485	3.595	VV	82	2586	0.06%	0.030%
7	3.611	3.595	3.630	PV	141	1854	0.04%	0.022%
8	3.642	3.630	3.650	VV	114	932	0.02%	0.011%
9	3.677	3.650	3.704	VV	183	3682	0.08%	0.043%
10	3.735	3.704	3.769	VV	220	4741	0.10%	0.055%
11	3.784	3.769	3.807	VV	198	3125	0.07%	0.036%
12	3.821	3.807	3.865	VV	282	5438	0.12%	0.063%
13	3.874	3.865	3.887	VV	133	975	0.02%	0.011%
14	3.905	3.887	3.966	VV	646	10764	0.23%	0.125%
15	3.988	3.966	4.021	VV	395	5000	0.11%	0.058%
16	4.047	4.021	4.057	VV	105	1392	0.03%	0.016%
17	4.082	4.057	4.098	VV	519	6358	0.14%	0.074%
18	4.108	4.098	4.160	VV	483	7505	0.16%	0.087%
19	4.171	4.160	4.198	VV	149	2437	0.05%	0.028%
20	4.245	4.198	4.312	VV	1173	16891	0.37%	0.196%
21	4.341	4.312	4.365	VV	578	8116	0.18%	0.094%
22	4.377	4.365	4.387	VV	107	1275	0.03%	0.015%
23	4.410	4.387	4.455	VV	225	4839	0.10%	0.056%
24	4.481	4.455	4.500	VV	571	7132	0.15%	0.083%
25	4.527	4.500	4.547	VV	443	7562	0.16%	0.088%
26	4.558	4.547	4.571	VV	252	3072	0.07%	0.036%
27	4.587	4.571	4.618	VV	422	6167	0.13%	0.072%
28	4.649	4.618	4.691	VV	434	10043	0.22%	0.117%
29	4.705	4.691	4.720	VV	256	3043	0.07%	0.035%
30	4.736	4.720	4.756	VV	494	5330	0.12%	0.062%
31	4.771	4.756	4.819	VV	100	3226	0.07%	0.037%
32	4.838	4.819	4.847	VV	105	1366	0.03%	0.016%
33	4.862	4.847	4.886	VV	188	3161	0.07%	0.037%
34	4.901	4.886	4.918	VV	203	2525	0.05%	0.029%
35	4.933	4.918	4.951	VV	161	2438	0.05%	0.028%
36	4.960	4.951	5.003	VV	117	2296	0.05%	0.027%

					rteres			
37	5.014	5.003	5.073	VV	117	2923	0.06%	0.034%
38	5.091	5.073	5.100	VV	171	2448	0.05%	0.028%
39	5.118	5.100	5.157	VV	977	12805	0.28%	0.149%
40	5.176	5.157	5.191	PV	216	2436	0.05%	0.028%
41	5.202	5.191	5.258	VV	282	3717	0.08%	0.043%
42	5.267	5.258	5.291	PV	89	340	0.01%	0.004%
43	5.315	5.291	5.335	VV	72	1442	0.03%	0.017%
44	5.344	5.335	5.394	VV	134	2345	0.05%	0.027%
45	5.403	5.394	5.461	VV	152	2806	0.06%	0.033%
46	5.481	5.461	5.496	VV	124	1677	0.04%	0.019%
47	5.524	5.496	5.541	VV	514	6085	0.13%	0.071%
48	5.562	5.541	5.625	VB	499	8172	0.18%	0.095%
49	5.713	5.655	5.745	BV	209	2525	0.05%	0.029%
50	5.760	5.745	5.781	PV	100	1467	0.03%	0.017%
51	5.822	5.781	5.845	VV	214	4716	0.10%	0.055%
52	5.858	5.845	5.891	VV	142	2441	0.05%	0.028%
53	5.909	5.891	5.915	VV	104	964	0.02%	0.011%
54	5.924	5.915	5.960	VV	118	1827	0.04%	0.021%
55	5.987	5.960	6.013	PV	190	2687	0.06%	0.031%
56	6.037	6.013	6.051	VV	157	2164	0.05%	0.025%
57	6.078	6.051	6.104	VV	450	6521	0.14%	0.076%
58	6.124	6.104	6.141	VV	231	3859	0.08%	0.045%
59	6.163	6.141	6.198	VV	466	7773	0.17%	0.090%
60	6.226	6.198	6.265	VV	434	8017	0.17%	0.093%
61	6.285	6.265	6.411	VV	163	8621	0.19%	0.100%
62	6.428	6.411	6.468	VV	231	3901	0.08%	0.045%
63	6.507	6.468	6.578	VV	2991	40362	0.88%	0.469%
64	6.593	6.578	6.610	VV	159	2383	0.05%	0.028%
65	6.657	6.610	6.675	VV	448	7794	0.17%	0.091%
66	6.691	6.675	6.715	VV	217	4080	0.09%	0.047%
67	6.732	6.715	6.760	VV	268	4154	0.09%	0.048%
68	6.770	6.760	6.811	VV	162	2818	0.06%	0.033%
69	6.838	6.811	6.858	VV	150	2514	0.05%	0.029%
70	6.872	6.858	6.885	VV	118	1442	0.03%	0.017%
71	6.898	6.885	6.935	VV	181	2767	0.06%	0.032%
72	6.952	6.935	6.971	VV	187	2806	0.06%	0.033%
73	6.975	6.971	6.988	VV	129	915	0.02%	0.011%
74	7.010	6.988	7.040	VV	292	6926	0.15%	0.080%
75	7.071	7.040	7.095	VV	244	6064	0.13%	0.070%
76	7.133	7.095	7.154	VV	411	9796	0.21%	0.114%
77	7.170	7.154	7.193	VV	282	4772	0.10%	0.055%
78	7.208	7.193	7.235	VV	203	3938	0.09%	0.046%
79	7.241	7.235	7.258	VV	205	1668	0.04%	0.019%
80	7.294	7.258	7.323	VV	573	8653	0.19%	0.100%
81	7.369	7.323	7.378	VV	305	5756	0.12%	0.067%
82	7.396	7.378	7.408	VV	246	3620	0.08%	0.042%
83	7.434	7.408	7.465	VV	1482	19719	0.43%	0.229%
84	7.495	7.465	7.568	VV	273	10548	0.23%	0.122%
85	7.589	7.568	7.653	VV	169	6225	0.14%	0.072%
86	7.696	7.653	7.721	VV	288	6026	0.13%	0.070%
87	7.783	7.721	7.828	PV	221	9593	0.21%	0.111%
88	7.863	7.828	7.876	VV	246	5352	0.12%	0.062%
89	7.888	7.876	7.900	VV	251	3169	0.07%	0.037%

					rt	Area	Height	%Area	%Height
90	7.912	7.900	7.931	VV	282	3757	0.08%	0.044%	
91	7.957	7.931	7.973	VV	258	4444	0.10%	0.052%	
92	8.000	7.973	8.023	VV	823	11967	0.26%	0.139%	
93	8.057	8.023	8.098	VV	1290	20455	0.44%	0.238%	
94	8.126	8.098	8.145	VV	356	6563	0.14%	0.076%	
95	8.157	8.145	8.188	VV	372	7017	0.15%	0.081%	
96	8.212	8.188	8.260	VV	777	15032	0.33%	0.175%	
97	8.306	8.260	8.353	VV	4503	62556	1.36%	0.726%	
98	8.378	8.353	8.418	VV	2556	34337	0.74%	0.399%	
99	8.429	8.418	8.485	VV	412	11047	0.24%	0.128%	
100	8.495	8.485	8.529	VV	267	5665	0.12%	0.066%	
101	8.541	8.529	8.566	VV	183	2985	0.06%	0.035%	
102	8.620	8.566	8.698	VV	7730	102484	2.22%	1.190%	
103	8.727	8.698	8.778	VV	356	13600	0.29%	0.158%	
104	8.798	8.778	8.828	VV	446	9419	0.20%	0.109%	
105	8.845	8.828	8.901	VV	666	15848	0.34%	0.184%	
106	8.907	8.901	8.941	VV	307	4325	0.09%	0.050%	
107	8.962	8.941	8.985	VV	286	5177	0.11%	0.060%	
108	9.028	8.985	9.050	VV	1089	19801	0.43%	0.230%	
109	9.066	9.050	9.080	VV	498	6751	0.15%	0.078%	
110	9.094	9.080	9.111	VV	321	5956	0.13%	0.069%	
111	9.132	9.111	9.198	VV	1098	28096	0.61%	0.326%	
112	9.223	9.198	9.251	VV	298	6544	0.14%	0.076%	
113	9.269	9.251	9.301	VV	271	4690	0.10%	0.054%	
114	9.312	9.301	9.335	VV	230	2854	0.06%	0.033%	
115	9.377	9.335	9.404	VV	298	6939	0.15%	0.081%	
116	9.433	9.404	9.458	VV	440	7574	0.16%	0.088%	
117	9.501	9.458	9.535	VV	574	12599	0.27%	0.146%	
118	9.550	9.535	9.618	VV	503	10999	0.24%	0.128%	
119	9.642	9.618	9.667	VV	490	9139	0.20%	0.106%	
120	9.690	9.667	9.730	VV	1443	18274	0.40%	0.212%	
121	9.755	9.730	9.771	PV	165	3122	0.07%	0.036%	
122	9.782	9.771	9.805	VV	219	2378	0.05%	0.028%	
123	9.830	9.805	9.862	PV	547	8314	0.18%	0.097%	
124	9.872	9.862	9.882	VV	179	1568	0.03%	0.018%	
125	9.911	9.882	9.948	VV	1736	24566	0.53%	0.285%	
126	9.983	9.948	10.037	VV	214	8381	0.18%	0.097%	
127	10.079	10.037	10.095	VV	126	2977	0.06%	0.035%	
128	10.114	10.095	10.147	VV	204	3616	0.08%	0.042%	
129	10.161	10.147	10.175	VV	89	1180	0.03%	0.014%	
130	10.193	10.175	10.218	VV	140	2351	0.05%	0.027%	
131	10.257	10.218	10.272	VV	125	3126	0.07%	0.036%	
132	10.300	10.272	10.327	VV	371	7352	0.16%	0.085%	
133	10.347	10.327	10.364	VV	238	3642	0.08%	0.042%	
134	10.391	10.364	10.441	VV	283	7617	0.17%	0.088%	
135	10.445	10.441	10.486	VV	175	2566	0.06%	0.030%	
136	10.541	10.486	10.565	VV	254	6510	0.14%	0.076%	
137	10.584	10.565	10.616	VV	261	6083	0.13%	0.071%	
138	10.652	10.616	10.687	VV	607	12412	0.27%	0.144%	
139	10.753	10.687	10.775	VV	381	15249	0.33%	0.177%	
140	10.781	10.775	10.815	VV	268	4967	0.11%	0.058%	
141	10.833	10.815	10.853	VV	216	4196	0.09%	0.049%	

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142	10.865	10.853	10.897	VV	292	5361	0.12%	0.062%
143	10.910	10.897	10.949	VV	194	3869	0.08%	0.045%
144	10.981	10.949	11.013	VV	259	6499	0.14%	0.075%
145	11.024	11.013	11.055	VV	329	5181	0.11%	0.060%
146	11.065	11.055	11.071	VV	164	1422	0.03%	0.017%
147	11.081	11.071	11.094	VV	223	2186	0.05%	0.025%
148	11.110	11.094	11.131	VV	230	3028	0.07%	0.035%
149	11.136	11.131	11.141	VV	169	757	0.02%	0.009%
150	11.158	11.141	11.191	VV	400	5116	0.11%	0.059%
151	11.285	11.191	11.321	VV	4804	67996	1.47%	0.790%
152	11.359	11.321	11.420	VV	2382	39409	0.85%	0.458%
153	11.451	11.420	11.498	VV	1515	22230	0.48%	0.258%
154	11.508	11.498	11.551	VV	136	2611	0.06%	0.030%
155	11.586	11.551	11.619	PV	165	4496	0.10%	0.052%
156	11.635	11.619	11.644	VV	146	1717	0.04%	0.020%
157	11.661	11.644	11.672	VV	557	3787	0.08%	0.044%
158	11.678	11.672	11.695	VV	249	2133	0.05%	0.025%
159	11.714	11.695	11.725	VV	168	2631	0.06%	0.031%
160	11.757	11.725	11.788	VV	317	8272	0.18%	0.096%
161	11.811	11.788	11.839	VV	475	8327	0.18%	0.097%
162	11.847	11.839	11.858	VV	212	2298	0.05%	0.027%
163	11.863	11.858	11.898	VV	245	3928	0.09%	0.046%
164	11.905	11.898	11.918	VV	137	1749	0.04%	0.020%
165	11.923	11.918	11.929	VV	193	1037	0.02%	0.012%
166	11.935	11.929	11.942	VV	178	1050	0.02%	0.012%
167	12.026	11.942	12.065	VV	488	18698	0.41%	0.217%
168	12.079	12.065	12.095	VV	228	3002	0.07%	0.035%
169	12.130	12.095	12.212	VV	290	14240	0.31%	0.165%
170	12.246	12.212	12.281	VV	291	8440	0.18%	0.098%
171	12.320	12.281	12.338	VV	266	7070	0.15%	0.082%
172	12.359	12.338	12.380	VV	215	4874	0.11%	0.057%
173	12.398	12.380	12.434	VV	309	6753	0.15%	0.078%
174	12.441	12.434	12.451	VV	207	1819	0.04%	0.021%
175	12.479	12.451	12.518	VV	466	11039	0.24%	0.128%
176	12.528	12.518	12.553	VV	323	4334	0.09%	0.050%
177	12.607	12.553	12.635	VV	683	13589	0.29%	0.158%
178	12.666	12.635	12.751	VV	1151	21827	0.47%	0.253%
179	12.755	12.751	12.762	VV	169	778	0.02%	0.009%
180	12.786	12.762	12.844	VV	519	9918	0.22%	0.115%
181	12.861	12.844	12.886	VV	173	2877	0.06%	0.033%
182	12.944	12.886	12.975	VV	205	7599	0.16%	0.088%
183	12.999	12.975	13.044	VV	205	5998	0.13%	0.070%
184	13.056	13.044	13.060	VV	195	1817	0.04%	0.021%
185	13.116	13.060	13.151	VV	395058	4610259	100.00%	53.536%
186	13.164	13.151	13.196	VV	382	8063	0.17%	0.094%
187	13.218	13.196	13.254	VV	345	8277	0.18%	0.096%
188	13.281	13.254	13.303	VV	589	11021	0.24%	0.128%
189	13.337	13.303	13.351	VV	380	8705	0.19%	0.101%
190	13.356	13.351	13.362	VV	318	1807	0.04%	0.021%
191	13.389	13.362	13.438	VV	384	12763	0.28%	0.148%
192	13.462	13.438	13.497	VV	321	9430	0.20%	0.109%
193	13.564	13.497	13.641	VV	350	23912	0.52%	0.278%
194	13.675	13.641	13.687	VV	388	8792	0.19%	0.102%

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195	13.724	13.687	13.751	VV	440	13453	0.29%	0.156%
196	13.761	13.751	13.787	VV	298	6308	0.14%	0.073%
197	13.817	13.787	13.840	VV	682	14254	0.31%	0.166%
198	13.867	13.840	13.905	VV	1162	24009	0.52%	0.279%
199	13.931	13.905	14.017	VV	438	22762	0.49%	0.264%
200	14.038	14.017	14.060	VV	396	9036	0.20%	0.105%
201	14.105	14.060	14.133	VV	553	18599	0.40%	0.216%
202	14.198	14.133	14.217	VV	481	21466	0.47%	0.249%
203	14.232	14.217	14.243	VV	480	6743	0.15%	0.078%
204	14.306	14.243	14.339	VV	1373	39299	0.85%	0.456%
205	14.348	14.339	14.356	VV	488	4863	0.11%	0.056%
206	14.386	14.356	14.405	VV	660	15417	0.33%	0.179%
207	14.433	14.405	14.458	VV	989	19634	0.43%	0.228%
208	14.515	14.458	14.537	VV	595	23637	0.51%	0.274%
209	14.552	14.537	14.591	VV	699	18902	0.41%	0.219%
210	14.601	14.591	14.620	VV	558	8908	0.19%	0.103%
211	14.636	14.620	14.657	VV	567	10645	0.23%	0.124%
212	14.694	14.657	14.729	VV	661	22449	0.49%	0.261%
213	14.747	14.729	14.763	VV	560	9612	0.21%	0.112%
214	14.818	14.763	14.829	VV	498	18133	0.39%	0.211%
215	14.835	14.829	14.847	VV	492	4873	0.11%	0.057%
216	14.872	14.847	14.895	VV	569	14537	0.32%	0.169%
217	14.928	14.895	14.948	VV	796	18751	0.41%	0.218%
218	14.972	14.948	15.009	VV	1152	24467	0.53%	0.284%
219	15.026	15.009	15.051	VV	458	9521	0.21%	0.111%
220	15.069	15.051	15.088	VV	365	7280	0.16%	0.085%
221	15.113	15.088	15.131	VV	496	9784	0.21%	0.114%
222	15.141	15.131	15.168	VV	463	7316	0.16%	0.085%
223	15.197	15.168	15.252	VV	331	14208	0.31%	0.165%
224	15.259	15.252	15.278	VV	386	4742	0.10%	0.055%
225	15.287	15.278	15.297	VV	351	3383	0.07%	0.039%
226	15.307	15.297	15.338	VV	323	6284	0.14%	0.073%
227	15.385	15.338	15.464	VV	476	17820	0.39%	0.207%
228	15.494	15.464	15.619	VV	960	27255	0.59%	0.316%
229	15.629	15.619	15.655	VV	158	2313	0.05%	0.027%
230	15.686	15.655	15.699	VV	187	3325	0.07%	0.039%
231	15.725	15.699	15.736	VV	232	3327	0.07%	0.039%
232	15.765	15.736	15.800	VV	308	7030	0.15%	0.082%
233	15.816	15.800	15.845	VV	256	4177	0.09%	0.049%
234	15.856	15.845	15.878	VV	132	2608	0.06%	0.030%
235	15.886	15.878	15.903	VV	180	2173	0.05%	0.025%
236	15.918	15.903	15.928	VV	292	2879	0.06%	0.033%
237	15.955	15.928	15.973	VV	288	6008	0.13%	0.070%
238	15.996	15.973	16.080	VV	932	16882	0.37%	0.196%
239	16.147	16.080	16.187	VV	201	6769	0.15%	0.079%
240	16.206	16.187	16.261	VV	245	3972	0.09%	0.046%
241	16.300	16.261	16.327	VV	192	3182	0.07%	0.037%
242	16.340	16.327	16.350	VV	78	741	0.02%	0.009%
243	16.368	16.350	16.386	PV	178	2304	0.05%	0.027%
244	16.398	16.386	16.409	VV	190	1240	0.03%	0.014%
245	16.481	16.409	16.528	VV	1391	25231	0.55%	0.293%
246	16.536	16.528	16.565	VV	210	2217	0.05%	0.026%

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247	16.586	16.565	16.610	VV	205	2916	0.06%	0.034%
248	16.645	16.610	16.724	VV	342	11356	0.25%	0.132%
249	16.745	16.724	16.776	PV	123	2321	0.05%	0.027%
250	16.837	16.776	16.858	VV	232	5807	0.13%	0.067%
251	16.946	16.858	17.019	VV	1247	29687	0.64%	0.345%
252	17.061	17.019	17.071	VV	173	3700	0.08%	0.043%
253	17.083	17.071	17.105	VV	210	2609	0.06%	0.030%
254	17.127	17.105	17.139	VV	143	1844	0.04%	0.021%
255	17.159	17.139	17.171	VV	234	2803	0.06%	0.033%
256	17.197	17.171	17.245	VV	314	9425	0.20%	0.109%
257	17.281	17.245	17.311	VV	435	11195	0.24%	0.130%
258	17.328	17.311	17.342	VV	281	4198	0.09%	0.049%
259	17.398	17.342	17.474	VV	3503	60195	1.31%	0.699%
260	17.523	17.474	17.595	VV	403	13625	0.30%	0.158%
261	17.612	17.595	17.666	VV	185	3088	0.07%	0.036%
262	17.701	17.666	17.726	PV	321	5652	0.12%	0.066%
263	17.735	17.726	17.765	VV	186	2951	0.06%	0.034%
264	17.836	17.765	17.865	VV	1802	34654	0.75%	0.402%
265	17.892	17.865	17.921	VV	411	6578	0.14%	0.076%
266	18.021	17.921	18.043	VV	1506	38701	0.84%	0.449%
267	18.062	18.043	18.099	VV	1293	19172	0.42%	0.223%
268	18.156	18.099	18.167	VV	200	5219	0.11%	0.061%
269	18.192	18.167	18.218	VV	641	11793	0.26%	0.137%
270	18.259	18.218	18.291	VV	3939	57484	1.25%	0.668%
271	18.360	18.291	18.385	PV	505	11698	0.25%	0.136%
272	18.394	18.385	18.455	VV	240	3750	0.08%	0.044%
273	18.524	18.455	18.590	VV	401	13399	0.29%	0.156%
274	18.604	18.590	18.621	VV	122	1525	0.03%	0.018%
275	18.671	18.621	18.719	VV	1843	30951	0.67%	0.359%
276	18.761	18.719	18.811	PV	6737	92343	2.00%	1.072%
277	18.829	18.811	18.874	VV	467	6817	0.15%	0.079%
278	18.886	18.874	18.901	VV	94	1093	0.02%	0.013%
279	18.926	18.901	18.948	VV	173	2869	0.06%	0.033%
280	19.001	18.948	19.031	VV	234	5965	0.13%	0.069%
281	19.069	19.031	19.098	VV	2041	30567	0.66%	0.355%
282	19.115	19.098	19.151	VV	262	4842	0.11%	0.056%
283	19.187	19.151	19.220	VV	256	6019	0.13%	0.070%
284	19.247	19.220	19.278	VV	227	5646	0.12%	0.066%
285	19.285	19.278	19.298	VV	230	2177	0.05%	0.025%
286	19.322	19.298	19.345	VV	252	5335	0.12%	0.062%
287	19.364	19.345	19.376	VV	247	3271	0.07%	0.038%
288	19.398	19.376	19.411	VV	187	3388	0.07%	0.039%
289	19.456	19.411	19.495	VV	1407	28427	0.62%	0.330%
290	19.501	19.495	19.545	VV	209	4447	0.10%	0.052%
291	19.652	19.545	19.667	VV	337	15970	0.35%	0.185%
292	19.740	19.667	19.759	VV	534	20549	0.45%	0.239%
293	19.831	19.759	19.862	VV	1291	36923	0.80%	0.429%
294	19.881	19.862	19.889	VV	493	7343	0.16%	0.085%
295	20.017	19.889	20.028	VV	687	44742	0.97%	0.520%
296	20.075	20.028	20.085	VV	789	23527	0.51%	0.273%
297	20.114	20.085	20.131	VV	858	21129	0.46%	0.245%
298	20.200	20.131	20.221	VV	1810	59740	1.30%	0.694%
299	20.258	20.221	20.271	VV	1161	32302	0.70%	0.375%

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300	20.288	20.271	20.305	VV	1150	21617	0.47%	0.251%
301	20.382	20.305	20.394	VV	1200	61237	1.33%	0.711%
302	20.432	20.394	20.440	VV	1262	33423	0.72%	0.388%
303	20.451	20.440	20.537	VV	1297	70199	1.52%	0.815%
304	20.562	20.537	20.605	VV	1544	52281	1.13%	0.607%
305	20.612	20.605	20.628	VV	1206	15815	0.34%	0.184%
306	20.631	20.628	20.675	VV	1136	30637	0.66%	0.356%
307	20.687	20.675	20.701	VV	1140	17314	0.38%	0.201%
308	20.754	20.701	20.780	VV	1227	55510	1.20%	0.645%
309	20.797	20.780	20.841	VV	1236	42569	0.92%	0.494%
310	20.854	20.841	20.901	VV	1161	38629	0.84%	0.449%
311	20.965	20.901	21.025	VV	1785	89618	1.94%	1.041%
312	21.043	21.025	21.055	VV	1068	18218	0.40%	0.212%
313	21.062	21.055	21.081	VV	993	15560	0.34%	0.181%
314	21.090	21.081	21.183	VV	1009	57159	1.24%	0.664%
315	21.194	21.183	21.291	VV	965	57090	1.24%	0.663%
316	21.318	21.291	21.357	VV	909	34161	0.74%	0.397%
317	21.366	21.357	21.384	VV	912	13519	0.29%	0.157%
318	21.420	21.384	21.545	VV	1081	81925	1.78%	0.951%
319	21.549	21.545	21.581	VV	808	16196	0.35%	0.188%
320	21.594	21.581	21.622	VV	726	17040	0.37%	0.198%
321	21.661	21.622	21.769	VV	706	52518	1.14%	0.610%
322	21.798	21.769	21.808	VV	625	12905	0.28%	0.150%
323	21.819	21.808	21.828	VV	524	6109	0.13%	0.071%
324	21.834	21.828	21.865	VV	602	11018	0.24%	0.128%
325	21.881	21.865	21.890	VV	491	7060	0.15%	0.082%
326	21.932	21.890	22.084	VV	1108	63241	1.37%	0.734%
327	22.100	22.084	22.135	VV	374	8895	0.19%	0.103%
328	22.160	22.135	22.205	VV	302	10129	0.22%	0.118%
329	22.222	22.205	22.256	VV	278	7090	0.15%	0.082%
330	22.263	22.256	22.269	VV	218	1487	0.03%	0.017%
331	22.298	22.269	22.342	VV	223	7456	0.16%	0.087%
332	22.350	22.342	22.360	VV	148	1075	0.02%	0.012%
333	22.376	22.360	22.395	VV	126	1751	0.04%	0.020%
334	22.406	22.395	22.415	PV	133	728	0.02%	0.008%
335	22.431	22.415	22.451	VBA	89	6039	0.13%	0.070%

Sum of corrected areas: 8611587

Aliphatic EPH 052425.M Thu Jun 12 07:07:37 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
 Data File : FD049447.D
 Signal(s) : FID2B.ch
 Acq On : 12 Jun 2025 03:27
 Operator : YP/AJ
 Sample : Q2198-03
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-207-SB02

Integration File: autoint1.e
 Quant Time: Jun 12 05:03:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 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...	7.735	7184963	43.222 ug/ml
Spiked Amount 50.000		Recovery =	86.44%
6) S 2-Fluorobiphenyl (SURR)	8.600	4834587	42.262 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	84.52%
11) S ortho-Terphenyl (SURR)	11.646	7408683	36.910 ug/ml
Spiked Amount 50.000		Recovery =	73.82%

Target Compounds

(f)=RT Delta > 1/2 Window

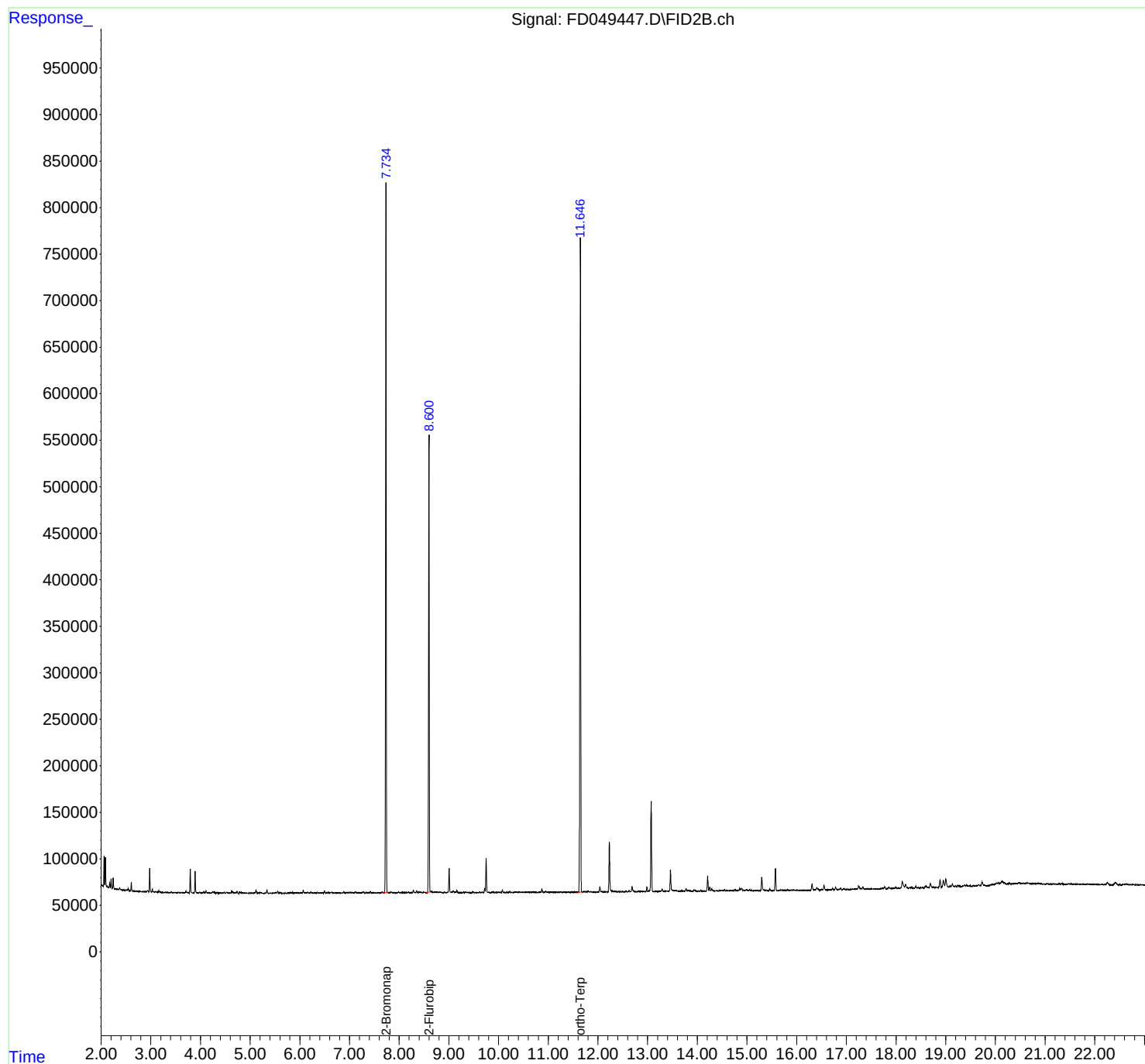
(m)=manual int.

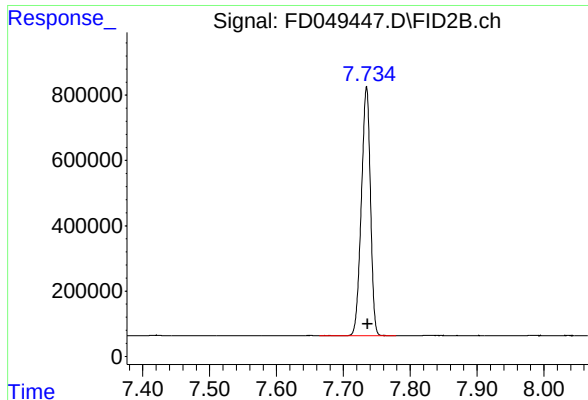
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
Data File : FD049447.D
Signal(s) : FID2B.ch
Acq On : 12 Jun 2025 03:27
Operator : YP/AJ
Sample : Q2198-03
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-207-SB02

Integration File: autoint1.e
Quant Time: Jun 12 05:03:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

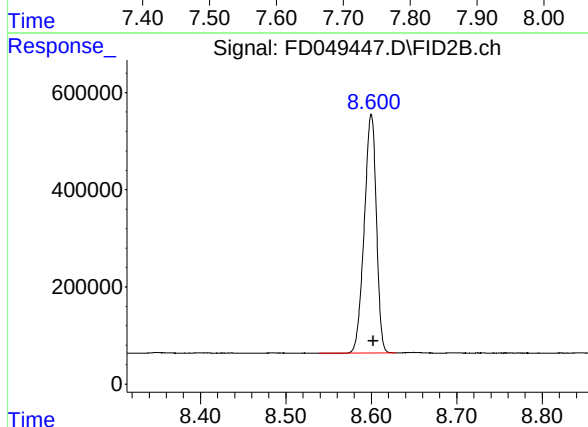




#4 2-Bromonaphthalene (SURR)

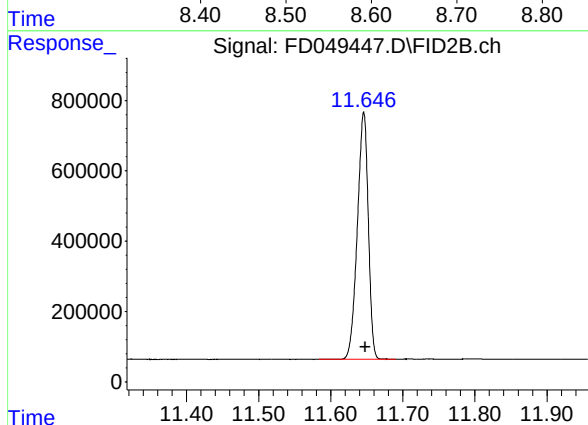
R.T.: 7.735 min
Delta R.T.: -0.002 min
Response: 7184963
Conc: 43.22 ug/ml

Instrument :
FID_D
ClientSampleId :
B-207-SB02



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.600 min
Delta R.T.: -0.002 min
Response: 4834587
Conc: 42.26 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.646 min
Delta R.T.: -0.003 min
Response: 7408683
Conc: 36.91 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
 Data File : FD049447.D
 Signal(s) : FID2B.ch
 Acq On : 12 Jun 2025 03:27
 Sample : Q2198-03
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.326	4.312	4.331	PV	439	2837	0.04%	0.010%
2	4.335	4.331	4.356	VV	361	2484	0.03%	0.009%
3	4.375	4.365	4.382	VV	337	2048	0.03%	0.007%
4	4.391	4.382	4.402	VV	327	2589	0.03%	0.009%
5	4.414	4.402	4.427	VV	254	3170	0.04%	0.011%
6	4.432	4.427	4.452	VV	395	3757	0.05%	0.013%
7	4.482	4.452	4.510	VV	1536	19452	0.26%	0.068%
8	4.527	4.510	4.549	VV	1184	14662	0.20%	0.051%
9	4.557	4.549	4.573	VV	565	6072	0.08%	0.021%
10	4.583	4.573	4.611	VV	495	8347	0.11%	0.029%
11	4.626	4.611	4.640	VV	2723	26867	0.36%	0.094%
12	4.651	4.640	4.689	VV	1756	21975	0.30%	0.077%
13	4.706	4.689	4.720	VV	1285	13998	0.19%	0.049%
14	4.736	4.720	4.753	VV	2404	23352	0.31%	0.082%
15	4.762	4.753	4.772	VV	362	2788	0.04%	0.010%
16	4.788	4.772	4.803	VV	1800	18405	0.25%	0.064%
17	4.817	4.803	4.847	VV	1635	20021	0.27%	0.070%
18	4.861	4.847	4.884	VV	567	8142	0.11%	0.029%
19	4.888	4.884	4.913	VV	345	4949	0.07%	0.017%
20	4.925	4.913	4.960	VV	540	8864	0.12%	0.031%
21	4.986	4.960	5.002	PV	582	7101	0.10%	0.025%
22	5.014	5.002	5.027	VV	487	5530	0.07%	0.019%
23	5.032	5.027	5.060	VV	531	5786	0.08%	0.020%
24	5.067	5.060	5.073	VV	376	1964	0.03%	0.007%
25	5.088	5.073	5.100	VV	947	9909	0.13%	0.035%
26	5.118	5.100	5.136	VV	3573	40549	0.55%	0.142%
27	5.140	5.136	5.150	VV	597	3554	0.05%	0.012%
28	5.177	5.150	5.189	VV	986	13317	0.18%	0.047%
29	5.200	5.189	5.210	VV	827	7427	0.10%	0.026%
30	5.220	5.210	5.252	VV	878	12534	0.17%	0.044%
31	5.257	5.252	5.287	VV	294	2786	0.04%	0.010%
32	5.303	5.287	5.319	VV	400	4399	0.06%	0.015%
33	5.338	5.319	5.380	VV	3639	40459	0.54%	0.142%
34	5.397	5.380	5.419	VV	527	7365	0.10%	0.026%
35	5.476	5.444	5.507	VV	621	11885	0.16%	0.042%
36	5.521	5.507	5.538	VV	1229	12588	0.17%	0.044%

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37	5.556	5.538	5.577	VV	2157	26185	0.35%	0.092%
38	5.589	5.577	5.605	VV	625	6542	0.09%	0.023%
39	5.614	5.605	5.642	VV	461	6231	0.08%	0.022%
40	5.658	5.642	5.664	VV	228	2238	0.03%	0.008%
41	5.668	5.664	5.692	VV	366	3464	0.05%	0.012%
42	5.698	5.692	5.701	VV	278	1159	0.02%	0.004%
43	5.710	5.701	5.722	VV	402	3396	0.05%	0.012%
44	5.730	5.722	5.739	VV	200	1658	0.02%	0.006%
45	5.758	5.739	5.780	VV	534	7339	0.10%	0.026%
46	5.815	5.789	5.836	VV	583	11958	0.16%	0.042%
47	5.858	5.836	5.877	VV	648	10665	0.14%	0.037%
48	5.887	5.877	5.903	VV	409	4260	0.06%	0.015%
49	5.913	5.903	5.921	VV	287	2440	0.03%	0.009%
50	5.930	5.921	5.942	VV	372	3038	0.04%	0.011%
51	5.971	5.942	5.994	VV	538	10416	0.14%	0.036%
52	6.013	5.994	6.028	VV	576	8779	0.12%	0.031%
53	6.034	6.028	6.052	VV	565	5823	0.08%	0.020%
54	6.069	6.052	6.090	VV	3374	35204	0.47%	0.123%
55	6.114	6.090	6.128	VV	845	11873	0.16%	0.042%
56	6.133	6.128	6.144	VV	439	3150	0.04%	0.011%
57	6.158	6.144	6.176	VV	1428	15688	0.21%	0.055%
58	6.180	6.176	6.193	VV	437	3336	0.04%	0.012%
59	6.222	6.193	6.265	VV	1254	22212	0.30%	0.078%
60	6.288	6.265	6.316	VV	580	9750	0.13%	0.034%
61	6.321	6.316	6.330	VV	327	2344	0.03%	0.008%
62	6.345	6.330	6.380	VV	1054	13399	0.18%	0.047%
63	6.384	6.380	6.402	VV	204	1641	0.02%	0.006%
64	6.421	6.409	6.457	VV	357	6281	0.08%	0.022%
65	6.469	6.465	6.476	VV	302	1545	0.02%	0.005%
66	6.497	6.476	6.520	VV	2726	30436	0.41%	0.107%
67	6.539	6.520	6.552	VV	354	5264	0.07%	0.018%
68	6.580	6.552	6.599	VV	790	13410	0.18%	0.047%
69	6.615	6.599	6.630	VV	871	9463	0.13%	0.033%
70	6.646	6.630	6.667	VV	1280	14476	0.19%	0.051%
71	6.680	6.667	6.701	VV	333	3805	0.05%	0.013%
72	6.719	6.701	6.743	VV	903	9363	0.13%	0.033%
73	6.767	6.743	6.781	VV	371	6021	0.08%	0.021%
74	6.787	6.781	6.795	VV	406	2708	0.04%	0.009%
75	6.802	6.795	6.808	VV	260	1541	0.02%	0.005%
76	6.823	6.808	6.829	VV	427	3349	0.05%	0.012%
77	6.833	6.829	6.844	VV	327	1956	0.03%	0.007%
78	6.885	6.844	6.909	VV	1297	21234	0.29%	0.074%
79	6.942	6.909	6.973	VV	704	16524	0.22%	0.058%
80	6.996	6.973	7.017	VV	1052	17491	0.24%	0.061%
81	7.031	7.017	7.034	VV	819	7238	0.10%	0.025%
82	7.038	7.034	7.047	VV	781	5465	0.07%	0.019%
83	7.057	7.047	7.074	VV	886	9395	0.13%	0.033%
84	7.121	7.074	7.147	VV	1670	31336	0.42%	0.110%
85	7.151	7.147	7.160	VV	472	3522	0.05%	0.012%
86	7.172	7.160	7.184	VV	718	7484	0.10%	0.026%
87	7.191	7.184	7.234	VV	479	9330	0.13%	0.033%
88	7.261	7.234	7.267	VV	744	8167	0.11%	0.029%
89	7.282	7.267	7.324	VV	1254	20783	0.28%	0.073%

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90	7.336	7.324	7.356	VV	778	9025	0.12%	0.032%	
91	7.386	7.356	7.404	VV	553	8992	0.12%	0.031%	
92	7.420	7.404	7.438	VV	1704	17059	0.23%	0.060%	
93	7.454	7.438	7.464	VV	274	3814	0.05%	0.013%	
94	7.472	7.464	7.500	VV	339	5768	0.08%	0.020%	
95	7.511	7.500	7.526	VV	495	5076	0.07%	0.018%	
96	7.537	7.526	7.545	VV	276	2487	0.03%	0.009%	
97	7.549	7.545	7.553	VV	296	1048	0.01%	0.004%	
98	7.568	7.553	7.577	VV	482	5124	0.07%	0.018%	
99	7.580	7.577	7.589	VV	462	2230	0.03%	0.008%	
100	7.595	7.589	7.601	VV	343	1351	0.02%	0.005%	
101	7.612	7.601	7.623	VV	480	3235	0.04%	0.011%	
102	7.652	7.623	7.665	VV	890	11969	0.16%	0.042%	
103	7.680	7.665	7.693	VV	721	8378	0.11%	0.029%	
104	7.735	7.693	7.792	VV	764524	7205472	97.03%	25.235%	
105	7.827	7.792	7.865	VV	1067	26230	0.35%	0.092%	
106	7.871	7.865	7.886	VV	683	5282	0.07%	0.018%	
107	7.902	7.886	7.922	VV	591	8177	0.11%	0.029%	
108	7.949	7.922	7.960	VV	414	6787	0.09%	0.024%	
109	7.987	7.960	8.009	VV	1055	17015	0.23%	0.060%	
110	8.014	8.009	8.024	VV	496	3295	0.04%	0.012%	
111	8.041	8.024	8.056	VV	736	10190	0.14%	0.036%	
112	8.071	8.056	8.096	VV	743	11488	0.15%	0.040%	
113	8.099	8.096	8.104	VV	406	1822	0.02%	0.006%	
114	8.136	8.104	8.149	VV	566	11886	0.16%	0.042%	
115	8.154	8.149	8.170	VV	461	5305	0.07%	0.019%	
116	8.190	8.170	8.212	VV	891	13487	0.18%	0.047%	
117	8.247	8.212	8.261	VV	532	9322	0.13%	0.033%	
118	8.287	8.261	8.311	VV	3021	37471	0.50%	0.131%	
119	8.319	8.311	8.329	VV	453	3967	0.05%	0.014%	
120	8.349	8.329	8.377	VV	1771	28766	0.39%	0.101%	
121	8.381	8.377	8.384	VV	718	2869	0.04%	0.010%	
122	8.400	8.384	8.420	VV	852	16108	0.22%	0.056%	
123	8.426	8.420	8.465	VV	757	14600	0.20%	0.051%	
124	8.485	8.465	8.504	VV	1007	14911	0.20%	0.052%	
125	8.522	8.504	8.552	VV	658	13244	0.18%	0.046%	
126	8.600	8.552	8.629	VV	492040	4873145	65.62%	17.067%	
127	8.649	8.629	8.681	VV	1999	38425	0.52%	0.135%	
128	8.696	8.681	8.717	VV	1165	16997	0.23%	0.060%	
129	8.731	8.717	8.737	VV	815	7985	0.11%	0.028%	
130	8.756	8.737	8.760	VV	748	8950	0.12%	0.031%	
131	8.764	8.760	8.788	VV	693	11370	0.15%	0.040%	
132	8.795	8.788	8.812	VV	666	7594	0.10%	0.027%	
133	8.821	8.812	8.834	VV	697	8031	0.11%	0.028%	
134	8.845	8.834	8.861	VV	812	10099	0.14%	0.035%	
135	8.909	8.861	8.922	VV	857	16771	0.23%	0.059%	
136	8.939	8.922	8.957	VV	448	6816	0.09%	0.024%	
137	8.968	8.957	8.980	VV	804	8115	0.11%	0.028%	
138	9.007	8.980	9.054	VV	26331	280279	3.77%	0.982%	
139	9.058	9.054	9.072	VV	894	8628	0.12%	0.030%	
140	9.090	9.072	9.117	VV	2354	34988	0.47%	0.123%	
141	9.127	9.117	9.143	VV	968	12339	0.17%	0.043%	

					rteres			
142	9.161	9.143	9.186	VV	2053	25304	0.34%	0.089%
143	9.192	9.186	9.214	VV	318	4224	0.06%	0.015%
144	9.239	9.214	9.245	VV	340	3546	0.05%	0.012%
145	9.247	9.245	9.267	VV	307	2074	0.03%	0.007%
146	9.298	9.267	9.315	VV	752	9440	0.13%	0.033%
147	9.334	9.315	9.375	VV	811	15412	0.21%	0.054%
148	9.386	9.375	9.394	VV	470	3892	0.05%	0.014%
149	9.401	9.394	9.408	VV	454	3213	0.04%	0.011%
150	9.412	9.408	9.440	VV	315	3739	0.05%	0.013%
151	9.477	9.440	9.505	VV	1290	20780	0.28%	0.073%
152	9.521	9.505	9.531	VV	535	5808	0.08%	0.020%
153	9.535	9.531	9.543	VV	394	2216	0.03%	0.008%
154	9.553	9.543	9.563	VV	416	3966	0.05%	0.014%
155	9.569	9.563	9.586	VV	542	4225	0.06%	0.015%
156	9.619	9.586	9.644	VV	653	14364	0.19%	0.050%
157	9.664	9.644	9.685	VV	1068	12917	0.17%	0.045%
158	9.722	9.685	9.733	VV	5014	55202	0.74%	0.193%
159	9.752	9.733	9.790	VV	37290	376030	5.06%	1.317%
160	9.797	9.790	9.817	VV	655	8095	0.11%	0.028%
161	9.822	9.817	9.848	VV	396	3715	0.05%	0.013%
162	9.884	9.848	9.920	PV	1444	26773	0.36%	0.094%
163	9.928	9.920	9.934	VV	313	1876	0.03%	0.007%
164	9.947	9.934	9.962	VV	296	3871	0.05%	0.014%
165	9.983	9.962	9.990	VV	496	7040	0.09%	0.025%
166	9.994	9.990	9.998	VV	531	1975	0.03%	0.007%
167	10.003	9.998	10.040	VV	531	7321	0.10%	0.026%
168	10.078	10.040	10.107	VV	2985	37866	0.51%	0.133%
169	10.111	10.107	10.127	VV	448	3188	0.04%	0.011%
170	10.132	10.127	10.136	VV	277	1103	0.01%	0.004%
171	10.141	10.136	10.155	VV	366	2734	0.04%	0.010%
172	10.172	10.155	10.192	VV	848	9964	0.13%	0.035%
173	10.225	10.192	10.244	VV	1546	21932	0.30%	0.077%
174	10.246	10.244	10.261	VV	402	3375	0.05%	0.012%
175	10.277	10.261	10.295	VV	446	5926	0.08%	0.021%
176	10.312	10.295	10.332	VV	512	9424	0.13%	0.033%
177	10.343	10.332	10.383	VV	675	14920	0.20%	0.052%
178	10.407	10.383	10.429	VV	1013	16670	0.22%	0.058%
179	10.432	10.429	10.452	VV	612	5745	0.08%	0.020%
180	10.466	10.452	10.494	VV	912	12745	0.17%	0.045%
181	10.501	10.494	10.513	VV	589	5662	0.08%	0.020%
182	10.522	10.513	10.537	VV	630	6481	0.09%	0.023%
183	10.542	10.537	10.546	VV	468	2248	0.03%	0.008%
184	10.557	10.546	10.566	VV	498	4697	0.06%	0.016%
185	10.573	10.566	10.587	VV	451	4795	0.06%	0.017%
186	10.605	10.587	10.633	VV	725	14133	0.19%	0.049%
187	10.645	10.633	10.654	VV	501	4884	0.07%	0.017%
188	10.677	10.654	10.702	VV	866	15713	0.21%	0.055%
189	10.708	10.702	10.737	VV	637	10636	0.14%	0.037%
190	10.756	10.737	10.797	VV	539	12333	0.17%	0.043%
191	10.810	10.797	10.825	VV	643	8706	0.12%	0.030%
192	10.841	10.825	10.857	VV	1011	11814	0.16%	0.041%
193	10.874	10.857	10.901	VV	4157	46801	0.63%	0.164%
194	10.906	10.901	10.920	VV	433	3991	0.05%	0.014%

					rteres			
195	10.947	10.920	10.979	VV	1591	26023	0.35%	0.091%
196	10.991	10.979	11.015	VV	671	8633	0.12%	0.030%
197	11.021	11.015	11.033	VV	388	3130	0.04%	0.011%
198	11.041	11.033	11.046	VV	409	2578	0.03%	0.009%
199	11.070	11.046	11.089	VV	523	9923	0.13%	0.035%
200	11.134	11.089	11.169	VV	483	16133	0.22%	0.057%
201	11.180	11.169	11.199	VV	530	6066	0.08%	0.021%
202	11.216	11.199	11.229	VV	460	5359	0.07%	0.019%
203	11.253	11.229	11.282	VV	778	15932	0.21%	0.056%
204	11.292	11.282	11.302	VV	458	4532	0.06%	0.016%
205	11.323	11.302	11.360	VV	1054	16700	0.22%	0.058%
206	11.369	11.360	11.384	PV	342	3196	0.04%	0.011%
207	11.413	11.384	11.435	VV	517	11565	0.16%	0.041%
208	11.476	11.435	11.500	VV	748	13889	0.19%	0.049%
209	11.525	11.500	11.544	VV	460	8138	0.11%	0.029%
210	11.564	11.544	11.577	VV	354	5015	0.07%	0.018%
211	11.587	11.577	11.598	VV	290	2500	0.03%	0.009%
212	11.646	11.598	11.690	VV	703521	7426332	100.00%	26.009%
213	11.710	11.690	11.725	VV	1029	15965	0.21%	0.056%
214	11.736	11.725	11.760	VV	985	14824	0.20%	0.052%
215	11.799	11.760	11.837	VV	1544	36490	0.49%	0.128%
216	11.856	11.837	11.887	VV	597	11230	0.15%	0.039%
217	11.896	11.887	11.903	VV	303	2188	0.03%	0.008%
218	11.926	11.903	11.946	VV	344	5868	0.08%	0.021%
219	11.973	11.946	12.010	VV	451	12014	0.16%	0.042%
220	12.039	12.010	12.065	VV	5698	69661	0.94%	0.244%
221	12.079	12.065	12.105	VV	1189	13875	0.19%	0.049%
222	12.144	12.105	12.165	VV	846	15833	0.21%	0.055%
223	12.173	12.165	12.184	VV	421	4169	0.06%	0.015%
224	12.230	12.184	12.305	VV	53959	645450	8.69%	2.261%
225	12.318	12.305	12.332	VV	900	12703	0.17%	0.044%
226	12.350	12.332	12.394	VV	1029	25878	0.35%	0.091%
227	12.398	12.394	12.422	VV	644	8158	0.11%	0.029%
228	12.433	12.422	12.454	VV	642	8219	0.11%	0.029%
229	12.487	12.454	12.520	VV	848	20388	0.27%	0.071%
230	12.567	12.520	12.594	VV	1427	27769	0.37%	0.097%
231	12.627	12.594	12.647	VV	1516	25468	0.34%	0.089%
232	12.687	12.647	12.737	VV	5999	100337	1.35%	0.351%
233	12.754	12.737	12.800	VV	624	13324	0.18%	0.047%
234	12.820	12.800	12.842	VV	1384	16878	0.23%	0.059%
235	12.857	12.842	12.892	VV	709	14945	0.20%	0.052%
236	12.896	12.892	12.959	VV	510	14523	0.20%	0.051%
237	12.984	12.959	13.007	VV	5164	60132	0.81%	0.211%
238	13.028	13.007	13.039	VV	1217	18809	0.25%	0.066%
239	13.071	13.039	13.107	VV	97570	1163388	15.67%	4.074%
240	13.126	13.107	13.139	VV	509	7744	0.10%	0.027%
241	13.158	13.139	13.174	VV	671	9485	0.13%	0.033%
242	13.184	13.174	13.205	VV	515	7687	0.10%	0.027%
243	13.253	13.205	13.266	VV	865	18593	0.25%	0.065%
244	13.290	13.266	13.314	VV	3023	43496	0.59%	0.152%
245	13.320	13.314	13.337	VV	800	10476	0.14%	0.037%
246	13.352	13.337	13.365	VV	991	12112	0.16%	0.042%

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247	13.383	13.365	13.400	VV	876	16015	0.22%	0.056%
248	13.408	13.400	13.422	VV	840	9232	0.12%	0.032%
249	13.460	13.422	13.554	VV	23089	342028	4.61%	1.198%
250	13.571	13.554	13.599	VV	1603	28899	0.39%	0.101%
251	13.618	13.599	13.627	VV	715	10217	0.14%	0.036%
252	13.643	13.627	13.658	VV	827	11992	0.16%	0.042%
253	13.683	13.658	13.704	VV	1065	20288	0.27%	0.071%
254	13.716	13.704	13.742	VV	850	12297	0.17%	0.043%
255	13.774	13.742	13.796	VV	3030	45071	0.61%	0.158%
256	13.821	13.796	13.840	VV	1315	23679	0.32%	0.083%
257	13.850	13.840	13.875	VV	962	14791	0.20%	0.052%
258	13.887	13.875	13.906	VV	707	9775	0.13%	0.034%
259	13.946	13.906	14.010	VV	1744	47876	0.64%	0.168%
260	14.033	14.010	14.050	VV	901	11905	0.16%	0.042%
261	14.067	14.050	14.089	VV	967	13972	0.19%	0.049%
262	14.109	14.089	14.142	VV	619	12548	0.17%	0.044%
263	14.148	14.142	14.169	VV	442	4869	0.07%	0.017%
264	14.207	14.169	14.234	VV	16380	205488	2.77%	0.720%
265	14.251	14.234	14.274	VV	4854	66141	0.89%	0.232%
266	14.293	14.274	14.363	VV	2386	52329	0.70%	0.183%
267	14.391	14.363	14.404	VV	723	13502	0.18%	0.047%
268	14.413	14.404	14.428	VV	696	7760	0.10%	0.027%
269	14.445	14.428	14.464	VV	877	14858	0.20%	0.052%
270	14.491	14.464	14.528	VV	1267	35935	0.48%	0.126%
271	14.546	14.528	14.570	VV	1601	24458	0.33%	0.086%
272	14.599	14.570	14.643	VV	876	29203	0.39%	0.102%
273	14.659	14.643	14.684	VV	792	14934	0.20%	0.052%
274	14.696	14.684	14.737	VV	670	19124	0.26%	0.067%
275	14.758	14.737	14.787	VV	1961	33403	0.45%	0.117%
276	14.809	14.787	14.827	VV	959	18336	0.25%	0.064%
277	14.855	14.827	14.872	VV	2874	46453	0.63%	0.163%
278	14.893	14.872	14.949	VV	2968	70506	0.95%	0.247%
279	14.966	14.949	14.973	VV	1221	12585	0.17%	0.044%
280	14.990	14.973	15.009	VV	1814	26758	0.36%	0.094%
281	15.016	15.009	15.032	VV	1000	10433	0.14%	0.037%
282	15.055	15.032	15.078	VV	1466	24397	0.33%	0.085%
283	15.094	15.078	15.130	VV	991	13999	0.19%	0.049%
284	15.149	15.130	15.164	VV	699	9397	0.13%	0.033%
285	15.194	15.164	15.205	VV	703	12509	0.17%	0.044%
286	15.217	15.205	15.267	VV	761	13715	0.18%	0.048%
287	15.296	15.267	15.380	VV	14642	227104	3.06%	0.795%
288	15.394	15.380	15.417	VV	858	11540	0.16%	0.040%
289	15.458	15.417	15.479	VV	1895	29675	0.40%	0.104%
290	15.488	15.479	15.507	PV	330	4128	0.06%	0.014%
291	15.526	15.507	15.544	VV	670	9028	0.12%	0.032%
292	15.571	15.544	15.625	VV	24249	285005	3.84%	0.998%
293	15.670	15.625	15.682	VV	773	13646	0.18%	0.048%
294	15.705	15.682	15.734	VV	844	19395	0.26%	0.068%
295	15.780	15.734	15.797	VV	626	18841	0.25%	0.066%
296	15.818	15.797	15.854	VV	749	17274	0.23%	0.060%
297	15.903	15.854	15.915	VV	741	17214	0.23%	0.060%
298	15.939	15.915	15.979	VV	994	16591	0.22%	0.058%
299	15.999	15.979	16.028	VV	707	11399	0.15%	0.040%

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300	16.060	16.028	16.070	VV	178	3476	0.05%	0.012%
301	16.080	16.070	16.109	VV	191	2974	0.04%	0.010%
302	16.149	16.109	16.160	VV	276	4500	0.06%	0.016%
303	16.167	16.160	16.182	VV	232	1231	0.02%	0.004%
304	16.202	16.182	16.217	VV	260	2645	0.04%	0.009%
305	16.229	16.217	16.262	VV	344	4129	0.06%	0.014%
306	16.308	16.262	16.347	VV	6780	105329	1.42%	0.369%
307	16.356	16.347	16.380	VV	731	11868	0.16%	0.042%
308	16.403	16.380	16.425	VV	3020	49311	0.66%	0.173%
309	16.432	16.425	16.464	VV	1533	17454	0.24%	0.061%
310	16.501	16.464	16.522	VV	910	16164	0.22%	0.057%
311	16.549	16.522	16.615	VV	5359	79359	1.07%	0.278%
312	16.725	16.615	16.758	PV	1759	38835	0.52%	0.136%
313	16.783	16.758	16.827	VV	3175	48775	0.66%	0.171%
314	16.886	16.827	16.919	VV	1879	43873	0.59%	0.154%
315	16.959	16.919	16.989	VV	1112	27885	0.38%	0.098%
316	17.012	16.989	17.021	VV	425	6310	0.08%	0.022%
317	17.034	17.021	17.050	VV	466	6605	0.09%	0.023%
318	17.090	17.050	17.112	VV	425	10345	0.14%	0.036%
319	17.153	17.112	17.197	VV	774	28761	0.39%	0.101%
320	17.247	17.197	17.307	VV	4030	100135	1.35%	0.351%
321	17.330	17.307	17.379	VV	2337	44803	0.60%	0.157%
322	17.404	17.379	17.436	VV	701	18082	0.24%	0.063%
323	17.445	17.436	17.479	VV	731	10868	0.15%	0.038%
324	17.510	17.479	17.543	VV	726	18082	0.24%	0.063%
325	17.557	17.543	17.579	VV	542	8465	0.11%	0.030%
326	17.592	17.579	17.600	VV	367	3659	0.05%	0.013%
327	17.616	17.600	17.645	VV	463	7539	0.10%	0.026%
328	17.650	17.645	17.672	VV	274	2618	0.04%	0.009%
329	17.771	17.672	17.805	PV	2377	63534	0.86%	0.223%
330	17.858	17.805	17.887	VV	1912	42338	0.57%	0.148%
331	17.912	17.887	17.939	VV	647	15200	0.20%	0.053%
332	17.957	17.939	17.970	VV	735	10316	0.14%	0.036%
333	17.995	17.970	18.029	VV	1774	30803	0.41%	0.108%
334	18.053	18.029	18.079	VV	852	15484	0.21%	0.054%
335	18.126	18.079	18.172	VV	7638	177132	2.39%	0.620%
336	18.191	18.172	18.220	VV	4641	77100	1.04%	0.270%
337	18.229	18.220	18.254	VV	593	9295	0.13%	0.033%
338	18.280	18.254	18.358	VV	1159	38817	0.52%	0.136%
339	18.397	18.358	18.432	VV	2188	35320	0.48%	0.124%
340	18.450	18.432	18.479	VV	404	8735	0.12%	0.031%
341	18.498	18.479	18.510	VV	475	6495	0.09%	0.023%
342	18.536	18.510	18.558	VV	900	14703	0.20%	0.051%
343	18.600	18.558	18.662	VV	2280	59041	0.80%	0.207%
344	18.692	18.662	18.742	VV	4417	85754	1.15%	0.300%
345	18.763	18.742	18.787	VV	809	13159	0.18%	0.046%
346	18.805	18.787	18.843	PV	535	9850	0.13%	0.034%
347	18.886	18.843	18.917	PV	8214	120113	1.62%	0.421%
348	18.952	18.917	18.978	PV	6503	96822	1.30%	0.339%

Sum of corrected areas: 28553321

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069138.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 18:58
Operator : YP/AJ
Sample : Q2198-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-202-GW01

Integration File: autoint1.e
Quant Time: Jun 10 05:24:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.116	5587369	62.280 ug/ml
Spiked Amount	50.000	Recovery	= 124.56%

Target Compounds

(f)=RT Delta > 1/2 Window

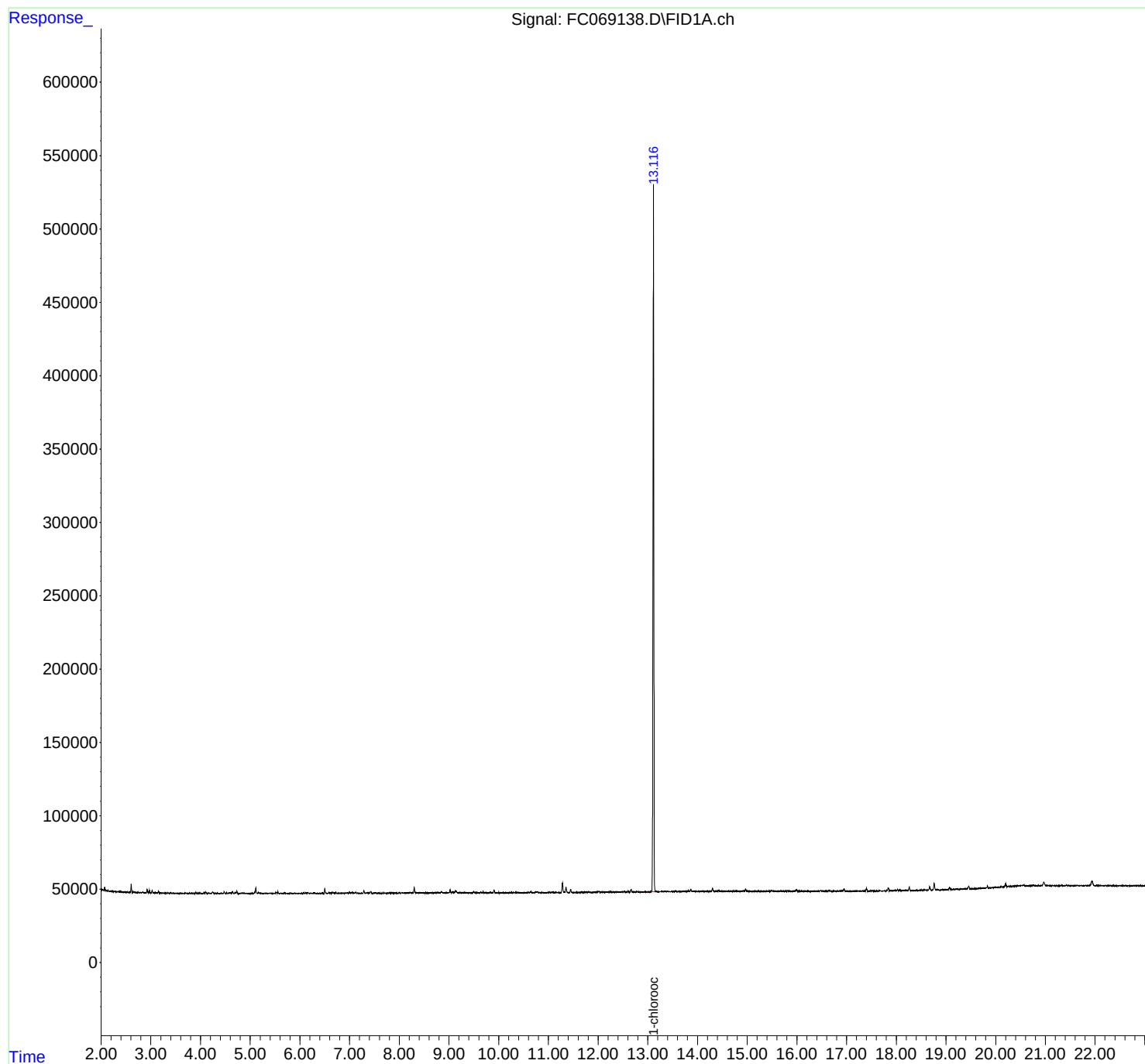
(m)=manual int.

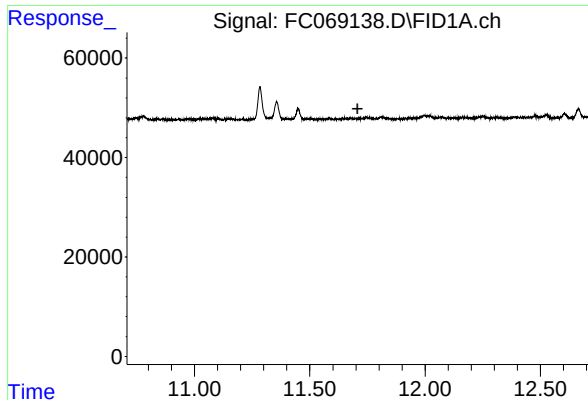
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069138.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 18:58
Operator : YP/AJ
Sample : Q2198-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-202-GW01

Integration File: autoint1.e
Quant Time: Jun 10 05:24:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

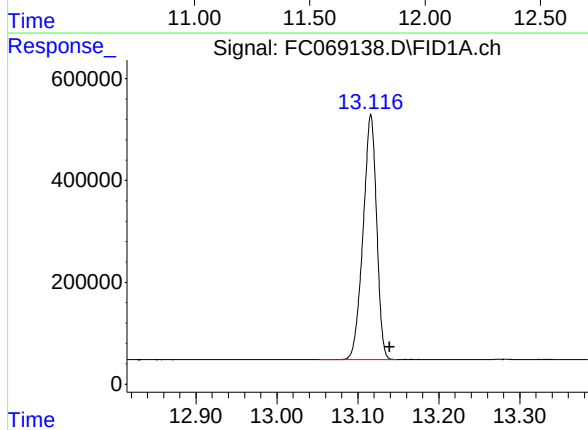




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.707 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-202-GW01



#12 1-chlorooctadecane (SURR)

R.T.: 13.116 min
Delta R.T.: -0.023 min
Response: 5587369
Conc: 62.28 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
 Data File : FC069138.D
 Signal(s) : FID1A.ch
 Acq On : 09 Jun 2025 18:58
 Sample : Q2198-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.404	3.332	3.441	PV	587	6544	0.12%	0.063%
2	3.449	3.441	3.489	VV	84	1165	0.02%	0.011%
3	3.504	3.489	3.535	PV	130	1394	0.02%	0.013%
4	3.542	3.535	3.571	VV	89	892	0.02%	0.009%
5	3.578	3.571	3.597	VV	72	657	0.01%	0.006%
6	3.607	3.597	3.625	VV	120	903	0.02%	0.009%
7	3.681	3.625	3.715	VV	205	4193	0.07%	0.040%
8	3.729	3.715	3.751	VV	384	3722	0.07%	0.036%
9	3.778	3.751	3.808	PV	243	4924	0.09%	0.047%
10	3.819	3.808	3.838	VV	196	2150	0.04%	0.021%
11	3.845	3.838	3.881	VV	131	2123	0.04%	0.020%
12	3.901	3.881	3.939	VV	542	8143	0.14%	0.078%
13	3.949	3.939	3.963	VV	100	1230	0.02%	0.012%
14	3.985	3.963	4.033	VV	366	5317	0.09%	0.051%
15	4.076	4.033	4.091	VV	656	8061	0.14%	0.078%
16	4.103	4.091	4.143	VV	1228	12683	0.23%	0.122%
17	4.171	4.143	4.208	VV	260	3525	0.06%	0.034%
18	4.244	4.208	4.275	VV	1093	17819	0.32%	0.171%
19	4.285	4.275	4.315	VV	157	2718	0.05%	0.026%
20	4.322	4.315	4.331	VV	145	1152	0.02%	0.011%
21	4.338	4.331	4.361	VV	248	2310	0.04%	0.022%
22	4.409	4.361	4.453	PV	197	6407	0.11%	0.062%
23	4.477	4.453	4.502	VV	1214	13264	0.24%	0.128%
24	4.521	4.502	4.539	VV	412	5339	0.09%	0.051%
25	4.586	4.539	4.615	VV	456	10433	0.19%	0.100%
26	4.645	4.615	4.672	VV	1255	17976	0.32%	0.173%
27	4.702	4.672	4.716	VV	901	11082	0.20%	0.107%
28	4.732	4.716	4.795	VV	1712	19372	0.34%	0.186%
29	4.858	4.795	4.877	VV	300	8024	0.14%	0.077%
30	4.898	4.877	4.917	VV	269	4116	0.07%	0.040%
31	4.929	4.917	4.995	VV	230	4230	0.08%	0.041%
32	5.036	4.995	5.059	VV	281	5320	0.09%	0.051%
33	5.086	5.059	5.094	VV	698	6960	0.12%	0.067%
34	5.113	5.094	5.145	VV	3868	44448	0.79%	0.428%
35	5.170	5.145	5.187	VV	755	10014	0.18%	0.096%
36	5.198	5.187	5.215	VV	387	4217	0.07%	0.041%

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37	5.223	5.215	5.238	VV	231	1711	0.03%	0.016%
38	5.307	5.238	5.323	PV	282	6812	0.12%	0.066%
39	5.341	5.323	5.376	VV	197	4634	0.08%	0.045%
40	5.391	5.376	5.402	VV	226	2635	0.05%	0.025%
41	5.417	5.402	5.434	VV	188	3082	0.05%	0.030%
42	5.486	5.434	5.500	VV	186	5350	0.10%	0.051%
43	5.518	5.500	5.537	VV	915	10481	0.19%	0.101%
44	5.558	5.537	5.585	VV	1333	15974	0.28%	0.154%
45	5.616	5.585	5.641	VV	360	4872	0.09%	0.047%
46	5.704	5.641	5.725	VV	318	8751	0.16%	0.084%
47	5.737	5.725	5.785	VV	153	3568	0.06%	0.034%
48	5.810	5.785	5.847	VV	358	7737	0.14%	0.074%
49	5.859	5.847	5.877	VV	193	2349	0.04%	0.023%
50	5.899	5.877	5.921	VV	191	3585	0.06%	0.034%
51	5.933	5.921	5.953	VV	96	1669	0.03%	0.016%
52	5.973	5.953	6.001	VV	164	3028	0.05%	0.029%
53	6.021	6.001	6.055	VV	186	3897	0.07%	0.037%
54	6.073	6.055	6.098	VV	442	6268	0.11%	0.060%
55	6.117	6.098	6.141	VV	326	5197	0.09%	0.050%
56	6.159	6.141	6.193	VV	744	9521	0.17%	0.092%
57	6.221	6.193	6.251	VV	384	5838	0.10%	0.056%
58	6.292	6.251	6.330	VV	339	7830	0.14%	0.075%
59	6.345	6.330	6.377	VV	134	2066	0.04%	0.020%
60	6.388	6.377	6.399	PV	99	962	0.02%	0.009%
61	6.409	6.399	6.438	VV	93	1895	0.03%	0.018%
62	6.502	6.438	6.563	VV	3288	41015	0.73%	0.395%
63	6.587	6.563	6.604	VV	546	6574	0.12%	0.063%
64	6.621	6.604	6.634	VV	341	4325	0.08%	0.042%
65	6.652	6.634	6.671	VV	1068	11774	0.21%	0.113%
66	6.685	6.671	6.707	VV	304	4469	0.08%	0.043%
67	6.725	6.707	6.748	VV	523	6468	0.11%	0.062%
68	6.782	6.748	6.808	VV	137	3218	0.06%	0.031%
69	6.813	6.808	6.825	VV	155	1015	0.02%	0.010%
70	6.836	6.825	6.847	VV	150	1403	0.02%	0.013%
71	6.865	6.847	6.921	VV	200	3949	0.07%	0.038%
72	6.945	6.921	6.981	VV	511	8051	0.14%	0.077%
73	6.999	6.981	7.034	VV	712	12992	0.23%	0.125%
74	7.048	7.034	7.089	VV	546	12303	0.22%	0.118%
75	7.126	7.089	7.157	VV	934	16008	0.28%	0.154%
76	7.166	7.157	7.180	VV	203	1778	0.03%	0.017%
77	7.205	7.180	7.221	VV	192	2772	0.05%	0.027%
78	7.230	7.221	7.258	VV	167	2203	0.04%	0.021%
79	7.289	7.258	7.326	VV	2007	24539	0.44%	0.236%
80	7.367	7.326	7.381	VV	285	6691	0.12%	0.064%
81	7.394	7.381	7.407	VV	358	3599	0.06%	0.035%
82	7.428	7.407	7.475	VV	1390	19267	0.34%	0.185%
83	7.492	7.475	7.508	VV	287	4658	0.08%	0.045%
84	7.519	7.508	7.571	VV	411	6454	0.11%	0.062%
85	7.586	7.571	7.631	VV	139	2997	0.05%	0.029%
86	7.648	7.631	7.665	VV	168	1606	0.03%	0.015%
87	7.691	7.665	7.721	VV	693	8503	0.15%	0.082%
88	7.729	7.721	7.734	VV	67	549	0.01%	0.005%
89	7.773	7.734	7.814	VV	222	6535	0.12%	0.063%

					rt	Area	Height	%Area	%Height
90	7.842	7.814	7.870	VV	234	5369	0.10%	0.052%	
91	7.888	7.870	7.933	VV	228	5753	0.10%	0.055%	
92	7.952	7.933	7.975	VV	307	3649	0.06%	0.035%	
93	7.997	7.975	8.031	VV	666	9902	0.18%	0.095%	
94	8.053	8.031	8.071	VV	582	6943	0.12%	0.067%	
95	8.088	8.071	8.102	VV	279	3677	0.07%	0.035%	
96	8.125	8.102	8.142	VV	301	5159	0.09%	0.050%	
97	8.158	8.142	8.185	VV	220	5002	0.09%	0.048%	
98	8.209	8.185	8.272	VV	684	18590	0.33%	0.179%	
99	8.302	8.272	8.360	VV	3938	54314	0.97%	0.522%	
100	8.374	8.360	8.475	VV	473	22183	0.39%	0.213%	
101	8.496	8.475	8.518	VV	315	5407	0.10%	0.052%	
102	8.538	8.518	8.566	VV	401	6244	0.11%	0.060%	
103	8.583	8.566	8.601	VV	110	2071	0.04%	0.020%	
104	8.656	8.601	8.691	VV	347	12303	0.22%	0.118%	
105	8.722	8.691	8.741	VV	331	7854	0.14%	0.076%	
106	8.763	8.741	8.778	VV	527	8955	0.16%	0.086%	
107	8.795	8.778	8.818	VV	500	10091	0.18%	0.097%	
108	8.842	8.818	8.879	VV	834	18674	0.33%	0.180%	
109	8.906	8.879	8.934	VV	325	8237	0.15%	0.079%	
110	8.960	8.934	8.978	VV	407	7081	0.13%	0.068%	
111	9.025	8.978	9.045	VV	2146	34191	0.61%	0.329%	
112	9.064	9.045	9.099	VV	772	18127	0.32%	0.174%	
113	9.143	9.099	9.198	VV	1580	44520	0.79%	0.428%	
114	9.214	9.198	9.245	VV	522	8436	0.15%	0.081%	
115	9.263	9.245	9.288	VV	370	6777	0.12%	0.065%	
116	9.313	9.288	9.330	VV	264	5233	0.09%	0.050%	
117	9.350	9.330	9.401	VV	275	8856	0.16%	0.085%	
118	9.427	9.401	9.449	VV	413	8899	0.16%	0.086%	
119	9.462	9.449	9.472	VV	255	2769	0.05%	0.027%	
120	9.497	9.472	9.531	VV	859	16426	0.29%	0.158%	
121	9.546	9.531	9.578	VV	478	8893	0.16%	0.086%	
122	9.584	9.578	9.613	VV	317	5343	0.09%	0.051%	
123	9.636	9.613	9.659	VV	536	9555	0.17%	0.092%	
124	9.687	9.659	9.798	VV	747	20935	0.37%	0.201%	
125	9.827	9.798	9.880	VV	527	13163	0.23%	0.127%	
126	9.908	9.880	9.957	VV	2157	30802	0.55%	0.296%	
127	9.975	9.957	9.991	VV	320	4524	0.08%	0.044%	
128	10.005	9.991	10.045	VV	485	8008	0.14%	0.077%	
129	10.057	10.045	10.068	VV	218	2475	0.04%	0.024%	
130	10.080	10.068	10.104	VV	231	3388	0.06%	0.033%	
131	10.125	10.104	10.147	PV	160	3145	0.06%	0.030%	
132	10.192	10.147	10.205	VV	270	5549	0.10%	0.053%	
133	10.233	10.205	10.245	VV	320	5636	0.10%	0.054%	
134	10.253	10.245	10.268	VV	306	3283	0.06%	0.032%	
135	10.302	10.268	10.322	VV	486	10475	0.19%	0.101%	
136	10.343	10.322	10.361	VV	405	6264	0.11%	0.060%	
137	10.391	10.361	10.408	VV	337	6485	0.12%	0.062%	
138	10.417	10.408	10.455	VV	226	4181	0.07%	0.040%	
139	10.468	10.455	10.480	VV	143	1763	0.03%	0.017%	
140	10.512	10.480	10.524	VV	307	4774	0.08%	0.046%	
141	10.542	10.524	10.563	VV	307	5611	0.10%	0.054%	

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142	10.593	10.563	10.611	VV	362	8190	0.15%	0.079%
143	10.649	10.611	10.685	VV	799	17313	0.31%	0.167%
144	10.779	10.685	10.814	VV	838	29430	0.52%	0.283%
145	10.840	10.814	10.850	VV	234	3769	0.07%	0.036%
146	10.864	10.850	10.890	VV	243	3847	0.07%	0.037%
147	10.900	10.890	10.911	VV	166	1707	0.03%	0.016%
148	10.933	10.911	10.953	VV	206	2904	0.05%	0.028%
149	10.973	10.953	11.001	VV	236	4734	0.08%	0.046%
150	11.019	11.001	11.028	VV	296	3165	0.06%	0.030%
151	11.037	11.028	11.055	VV	270	3848	0.07%	0.037%
152	11.076	11.055	11.095	VV	409	7216	0.13%	0.069%
153	11.104	11.095	11.125	VV	294	2875	0.05%	0.028%
154	11.157	11.125	11.225	VV	220	7477	0.13%	0.072%
155	11.284	11.225	11.317	VV	6706	91602	1.63%	0.881%
156	11.356	11.317	11.387	VV	3643	53201	0.95%	0.512%
157	11.402	11.387	11.420	VV	202	3363	0.06%	0.032%
158	11.449	11.420	11.485	VV	2145	28200	0.50%	0.271%
159	11.505	11.485	11.531	VV	226	3757	0.07%	0.036%
160	11.541	11.531	11.563	VV	131	1713	0.03%	0.016%
161	11.584	11.563	11.604	VV	260	3279	0.06%	0.032%
162	11.678	11.604	11.688	VV	282	7939	0.14%	0.076%
163	11.714	11.688	11.727	VV	250	4535	0.08%	0.044%
164	11.745	11.727	11.780	VV	454	8893	0.16%	0.086%
165	11.810	11.780	11.874	VV	459	12461	0.22%	0.120%
166	11.884	11.874	11.898	VV	127	1417	0.03%	0.014%
167	11.912	11.898	11.929	VV	198	2699	0.05%	0.026%
168	11.955	11.929	11.968	VV	235	4646	0.08%	0.045%
169	11.997	11.968	12.008	VV	819	12526	0.22%	0.120%
170	12.020	12.008	12.050	VV	687	11253	0.20%	0.108%
171	12.072	12.050	12.111	VV	420	9957	0.18%	0.096%
172	12.127	12.111	12.141	VV	281	4185	0.07%	0.040%
173	12.168	12.141	12.210	VV	317	10728	0.19%	0.103%
174	12.248	12.210	12.284	VV	530	15244	0.27%	0.147%
175	12.307	12.284	12.341	VV	289	7509	0.13%	0.072%
176	12.391	12.341	12.420	VV	355	11470	0.20%	0.110%
177	12.477	12.420	12.501	VV	609	17575	0.31%	0.169%
178	12.526	12.501	12.558	VV	791	15280	0.27%	0.147%
179	12.604	12.558	12.637	VV	971	17921	0.32%	0.172%
180	12.665	12.637	12.718	VV	1984	34218	0.61%	0.329%
181	12.727	12.718	12.757	VV	382	6817	0.12%	0.066%
182	12.785	12.757	12.865	VV	676	18978	0.34%	0.183%
183	12.925	12.865	12.948	VV	390	12683	0.23%	0.122%
184	12.959	12.948	12.974	VV	315	4557	0.08%	0.044%
185	12.985	12.974	13.008	VV	378	5773	0.10%	0.056%
186	13.031	13.008	13.045	VV	383	6354	0.11%	0.061%
187	13.116	13.045	13.207	VV	478912	5627042	100.00%	54.126%
188	13.219	13.207	13.235	VV	443	6194	0.11%	0.060%
189	13.278	13.235	13.311	VV	837	23339	0.41%	0.224%
190	13.334	13.311	13.364	VV	594	14909	0.26%	0.143%
191	13.384	13.364	13.448	VV	501	20536	0.36%	0.198%
192	13.502	13.448	13.521	VV	498	18779	0.33%	0.181%
193	13.552	13.521	13.603	VV	595	22050	0.39%	0.212%
194	13.660	13.603	13.696	VV	461	21690	0.39%	0.209%

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195	13.721	13.696	13.753	VV	598	16616	0.30%	0.160%
196	13.765	13.753	13.772	VV	473	4664	0.08%	0.045%
197	13.813	13.772	13.840	VV	1114	25834	0.46%	0.248%
198	13.865	13.840	13.911	VV	1873	36271	0.64%	0.349%
199	13.927	13.911	13.944	VV	554	9368	0.17%	0.090%
200	13.956	13.944	14.041	VV	485	21880	0.39%	0.210%
201	14.081	14.059	14.114	VV	541	14371	0.26%	0.138%
202	14.143	14.114	14.185	VV	468	18027	0.32%	0.173%
203	14.198	14.185	14.209	VV	487	6180	0.11%	0.059%
204	14.226	14.209	14.261	VV	455	13325	0.24%	0.128%
205	14.302	14.261	14.336	VV	2294	43975	0.78%	0.423%
206	14.346	14.336	14.357	VV	512	6125	0.11%	0.059%
207	14.387	14.357	14.403	VV	590	13292	0.24%	0.128%
208	14.428	14.403	14.472	VV	980	24862	0.44%	0.239%
209	14.493	14.472	14.537	VV	561	18739	0.33%	0.180%
210	14.558	14.537	14.575	VV	517	10780	0.19%	0.104%
211	14.580	14.575	14.611	VV	485	9447	0.17%	0.091%
212	14.633	14.611	14.673	VV	486	16535	0.29%	0.159%
213	14.692	14.673	14.731	VV	536	16604	0.30%	0.160%
214	14.743	14.731	14.777	VV	518	12398	0.22%	0.119%
215	14.787	14.777	14.799	VV	453	5921	0.11%	0.057%
216	14.823	14.799	14.859	VV	424	13400	0.24%	0.129%
217	14.927	14.859	14.945	VV	836	25257	0.45%	0.243%
218	14.970	14.945	15.008	VV	1745	32156	0.57%	0.309%
219	15.028	15.008	15.051	VV	417	9598	0.17%	0.092%
220	15.055	15.051	15.121	VV	349	11385	0.20%	0.110%
221	15.143	15.121	15.165	VV	428	8599	0.15%	0.083%
222	15.172	15.165	15.188	VV	380	4835	0.09%	0.047%
223	15.194	15.188	15.203	VV	329	2827	0.05%	0.027%
224	15.222	15.203	15.265	VV	426	11663	0.21%	0.112%
225	15.292	15.265	15.304	VV	352	6363	0.11%	0.061%
226	15.320	15.304	15.341	VV	305	5452	0.10%	0.052%
227	15.363	15.341	15.368	VV	311	4049	0.07%	0.039%
228	15.398	15.368	15.425	VV	424	11105	0.20%	0.107%
229	15.494	15.425	15.519	VV	825	24283	0.43%	0.234%
230	15.545	15.519	15.618	VV	356	15383	0.27%	0.148%
231	15.628	15.618	15.635	VV	226	1905	0.03%	0.018%
232	15.681	15.635	15.707	VV	389	12623	0.22%	0.121%
233	15.721	15.707	15.744	VV	344	5735	0.10%	0.055%
234	15.768	15.744	15.791	VV	377	7944	0.14%	0.076%
235	15.812	15.791	15.842	VV	343	8936	0.16%	0.086%
236	15.852	15.842	15.882	VV	328	6476	0.12%	0.062%
237	15.888	15.882	15.898	VV	272	2288	0.04%	0.022%
238	15.923	15.898	15.935	VV	339	6538	0.12%	0.063%
239	15.957	15.935	15.971	VV	594	9480	0.17%	0.091%
240	15.994	15.971	16.021	VV	1256	20142	0.36%	0.194%
241	16.034	16.021	16.091	VV	300	7524	0.13%	0.072%
242	16.098	16.091	16.115	VV	205	2498	0.04%	0.024%
243	16.126	16.115	16.148	VV	237	3772	0.07%	0.036%
244	16.170	16.148	16.191	VV	310	5416	0.10%	0.052%
245	16.221	16.191	16.265	VV	215	6217	0.11%	0.060%
246	16.334	16.265	16.357	VV	237	7054	0.13%	0.068%

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247	16.368	16.357	16.375	VV	212	1861	0.03%	0.018%
248	16.392	16.375	16.401	VV	235	3022	0.05%	0.029%
249	16.410	16.401	16.429	VV	238	2631	0.05%	0.025%
250	16.480	16.429	16.571	VV	802	22821	0.41%	0.220%
251	16.588	16.571	16.607	VV	133	2615	0.05%	0.025%
252	16.650	16.607	16.663	VV	373	8069	0.14%	0.078%
253	16.671	16.663	16.718	VV	323	6190	0.11%	0.060%
254	16.756	16.718	16.772	VV	241	5121	0.09%	0.049%
255	16.781	16.772	16.802	VV	183	2707	0.05%	0.026%
256	16.820	16.802	16.829	VV	200	2340	0.04%	0.023%
257	16.835	16.829	16.893	VV	184	5620	0.10%	0.054%
258	16.915	16.893	16.928	VV	487	6772	0.12%	0.065%
259	17.947	16.928	16.988	VV	1453	21698	0.39%	0.209%
260	16.994	16.988	17.027	VV	153	2007	0.04%	0.019%
261	17.038	17.027	17.058	VV	93	1182	0.02%	0.011%
262	17.067	17.058	17.087	PV	98	1209	0.02%	0.012%
263	17.123	17.087	17.143	VV	168	3024	0.05%	0.029%
264	17.154	17.143	17.201	VV	146	2356	0.04%	0.023%
265	17.221	17.201	17.232	VV	152	1600	0.03%	0.015%
266	17.245	17.232	17.261	VV	139	1275	0.02%	0.012%
267	17.276	17.261	17.305	VV	109	1840	0.03%	0.018%
268	17.329	17.305	17.371	PV	141	3823	0.07%	0.037%
269	17.398	17.371	17.451	VV	1850	28019	0.50%	0.270%
270	17.454	17.451	17.468	VV	136	646	0.01%	0.006%
271	17.501	17.468	17.515	PV	160	3230	0.06%	0.031%
272	17.522	17.515	17.539	VV	234	2237	0.04%	0.022%
273	17.549	17.539	17.554	VV	123	1051	0.02%	0.010%
274	17.562	17.554	17.632	VV	142	3249	0.06%	0.031%
275	17.672	17.632	17.697	VV	134	2733	0.05%	0.026%
276	17.706	17.697	17.751	PV	88	1155	0.02%	0.011%
277	17.837	17.751	17.868	VV	2104	34943	0.62%	0.336%
278	17.888	17.868	17.933	VV	156	3400	0.06%	0.033%
279	17.986	17.933	18.001	PV	272	6195	0.11%	0.060%
280	18.022	18.001	18.044	VV	775	11187	0.20%	0.108%
281	18.061	18.044	18.088	VV	471	6642	0.12%	0.064%
282	18.111	18.088	18.142	VV	211	3594	0.06%	0.035%
283	18.164	18.142	18.175	VV	191	2336	0.04%	0.022%
284	18.191	18.175	18.230	VV	305	5968	0.11%	0.057%
285	18.260	18.230	18.346	PV	2382	36189	0.64%	0.348%
286	18.358	18.346	18.378	VV	126	1516	0.03%	0.015%
287	18.414	18.378	18.443	VV	125	2813	0.05%	0.027%
288	18.452	18.443	18.485	PV	113	2358	0.04%	0.023%
289	18.525	18.485	18.561	VV	298	9600	0.17%	0.092%
290	18.608	18.561	18.625	VV	218	5867	0.10%	0.056%
291	18.672	18.625	18.727	VV	2511	41847	0.74%	0.403%
292	18.762	18.727	18.804	VV	4750	66530	1.18%	0.640%
293	18.830	18.804	18.862	VV	374	6255	0.11%	0.060%
294	18.931	18.862	18.953	PV	258	6252	0.11%	0.060%
295	19.001	18.953	19.026	VV	280	7652	0.14%	0.074%
296	19.070	19.026	19.111	VV	1686	31338	0.56%	0.301%
297	19.119	19.111	19.124	VV	208	1675	0.03%	0.016%
298	19.132	19.124	19.137	VV	220	1607	0.03%	0.015%
299	19.148	19.137	19.157	VV	235	2514	0.04%	0.024%

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300	19.195	19.157	19.205	VV	299	7306	0.13%	0.070%
301	19.216	19.205	19.224	VV	257	2697	0.05%	0.026%
302	19.241	19.224	19.258	VV	344	5700	0.10%	0.055%
303	19.271	19.258	19.291	VV	282	5023	0.09%	0.048%
304	19.323	19.291	19.341	VV	352	8084	0.14%	0.078%
305	19.376	19.341	19.411	VV	374	13040	0.23%	0.125%
306	19.458	19.411	19.501	VV	2266	48041	0.85%	0.462%
307	19.514	19.501	19.525	VV	380	5250	0.09%	0.050%
308	19.548	19.525	19.586	VV	402	12601	0.22%	0.121%
309	19.755	19.586	19.788	VV	696	62189	1.11%	0.598%
310	19.834	19.788	19.905	VV	1513	56862	1.01%	0.547%
311	20.019	19.905	20.045	VV	996	69680	1.24%	0.670%
312	20.113	20.045	20.128	VV	1288	53679	0.95%	0.516%
313	20.139	20.128	20.158	VV	1109	19684	0.35%	0.189%
314	20.199	20.158	20.243	VV	3137	91581	1.63%	0.881%
315	20.256	20.243	20.288	VV	1442	36932	0.66%	0.355%
316	20.308	20.288	20.318	VV	1471	24747	0.44%	0.238%
317	20.424	20.318	20.443	VV	1609	108399	1.93%	1.043%
318	20.506	20.443	20.538	VV	1820	95597	1.70%	0.920%
319	20.566	20.538	20.609	VV	1972	71013	1.26%	0.683%
320	20.616	20.609	20.632	VV	1464	19949	0.35%	0.192%
321	20.649	20.632	20.676	VV	1489	37969	0.67%	0.365%
322	20.764	20.676	20.795	VV	1714	108839	1.93%	1.047%
323	20.812	20.795	20.829	VV	1467	30170	0.54%	0.290%
324	20.855	20.829	20.866	VV	1540	31581	0.56%	0.304%
325	20.877	20.866	20.918	VV	1471	43960	0.78%	0.423%
326	20.968	20.918	21.015	VV	3792	121895	2.17%	1.172%
327	21.030	21.015	21.098	VV	1263	60364	1.07%	0.581%
328	21.104	21.098	21.128	VV	1202	20786	0.37%	0.200%
329	21.139	21.128	21.148	VV	1216	13812	0.25%	0.133%
330	21.156	21.148	21.182	VV	1202	23454	0.42%	0.226%
331	21.197	21.182	21.215	VV	1160	22147	0.39%	0.213%
332	21.225	21.215	21.255	VV	1102	25067	0.45%	0.241%
333	21.308	21.255	21.318	VV	1059	38360	0.68%	0.369%
334	21.338	21.318	21.364	VV	1059	28321	0.50%	0.272%
335	21.377	21.364	21.391	VV	1069	16229	0.29%	0.156%
336	21.420	21.391	21.478	VV	1128	51989	0.92%	0.500%
337	21.489	21.478	21.505	VV	924	14217	0.25%	0.137%
338	21.513	21.505	21.548	VV	877	20610	0.37%	0.198%
339	21.555	21.548	21.562	VV	762	6329	0.11%	0.061%
340	21.653	21.562	21.681	VV	856	55979	0.99%	0.538%
341	21.701	21.681	21.728	VV	774	19727	0.35%	0.190%
342	21.739	21.728	21.748	VV	713	8070	0.14%	0.078%
343	21.751	21.748	21.770	VV	707	8726	0.16%	0.084%
344	21.792	21.770	21.865	VV	725	34072	0.61%	0.328%
345	21.937	21.865	22.026	VV	3610	120889	2.15%	1.163%
346	22.036	22.026	22.071	VV	420	9978	0.18%	0.096%
347	22.160	22.071	22.175	VV	333	19050	0.34%	0.183%
348	22.214	22.175	22.273	VV	308	14235	0.25%	0.137%
349	22.289	22.273	22.366	VV	263	8932	0.16%	0.086%

Sum of corrected areas: 10396252

Aliphatic EPH 052425.M Tue Jun 10 06:24:31 2025 rteres

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061025AR\
 Data File : FD049425.D
 Signal(s) : FID2B.ch
 Acq On : 10 Jun 2025 11:50
 Operator : YP/AJ
 Sample : Q2198-05
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-202-GW01

Integration File: autoint1.e
 Quant Time: Jun 11 01:07:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 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...	7.732	6191325	37.245 ug/ml
Spiked Amount 50.000		Recovery =	74.49%
6) S 2-Fluorobiphenyl (SURR)	8.598	4035092	35.273 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	70.55%
11) S ortho-Terphenyl (SURR)	11.642	4467631	22.258 ug/ml
Spiked Amount 50.000		Recovery =	44.52%

Target Compounds

(f)=RT Delta > 1/2 Window

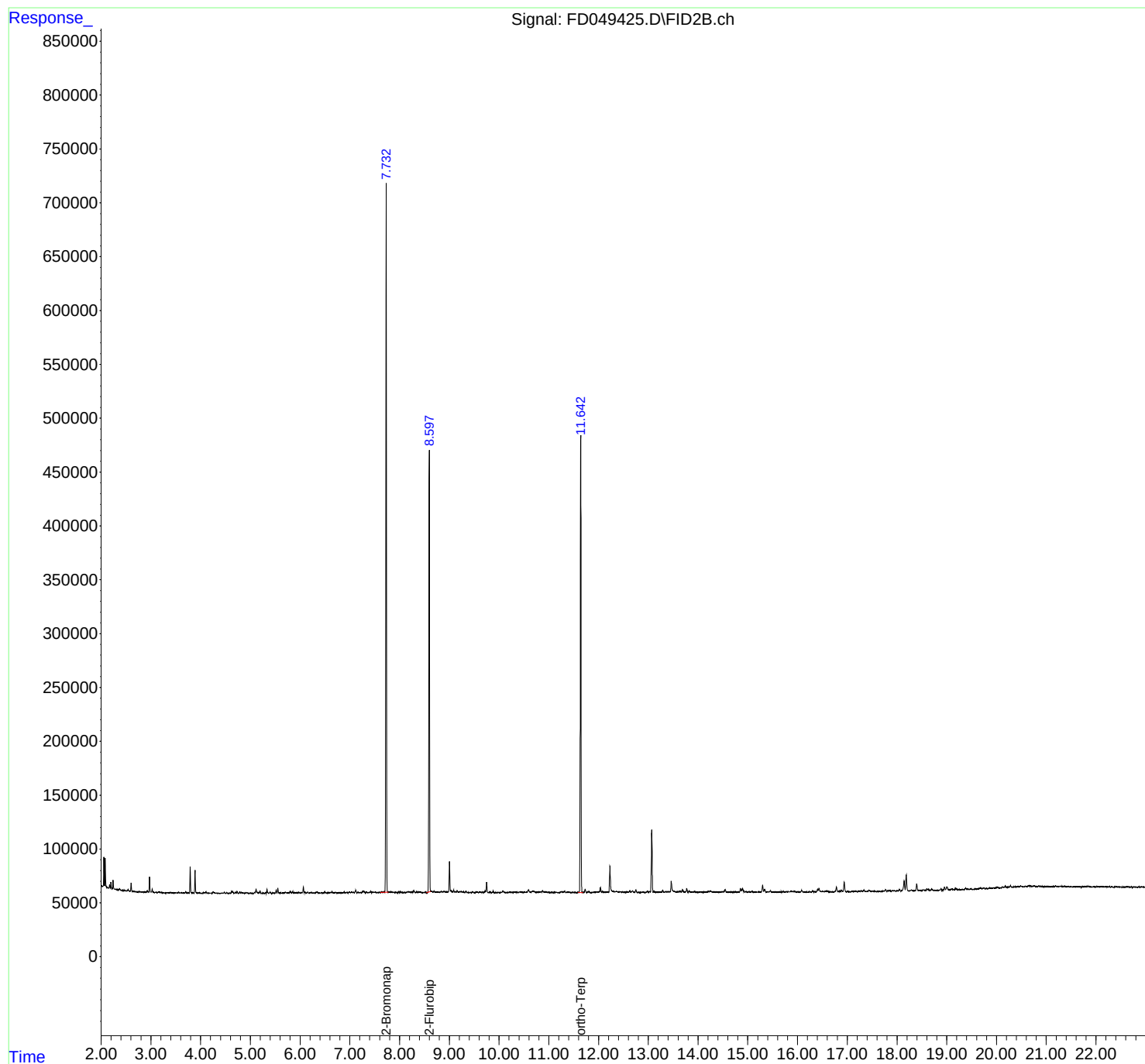
(m)=manual int.

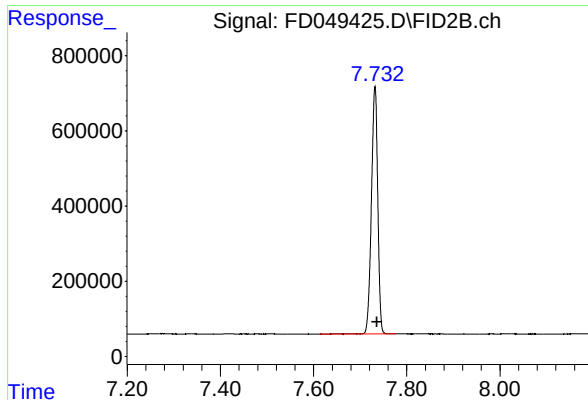
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061025AR\
Data File : FD049425.D
Signal(s) : FID2B.ch
Acq On : 10 Jun 2025 11:50
Operator : YP/AJ
Sample : Q2198-05
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-202-GW01

Integration File: autoint1.e
Quant Time: Jun 11 01:07:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

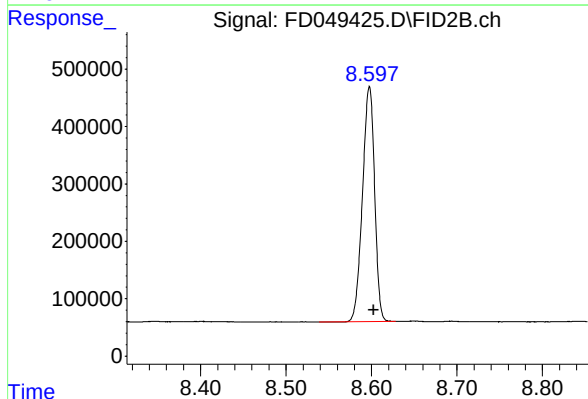




#4 2-Bromonaphthalene (SURR)

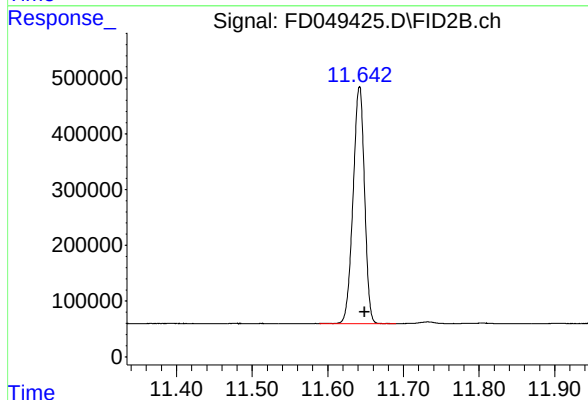
R.T.: 7.732 min
Delta R.T.: -0.005 min
Response: 6191325
Conc: 37.24 ug/ml

Instrument :
FID_D
ClientSampleId :
B-202-GW01



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.598 min
Delta R.T.: -0.005 min
Response: 4035092
Conc: 35.27 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.642 min
Delta R.T.: -0.006 min
Response: 4467631
Conc: 22.26 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061025AR\
 Data File : FD049425.D
 Signal(s) : FID2B.ch
 Acq On : 10 Jun 2025 11:50
 Sample : Q2198-05
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.321	4.302	4.332	PV	253	2384	0.04%	0.010%
2	4.346	4.332	4.362	VV	89	1731	0.03%	0.007%
3	4.370	4.362	4.391	VV	328	3156	0.05%	0.013%
4	4.402	4.391	4.407	PV	265	1316	0.02%	0.006%
5	4.421	4.407	4.444	VV	454	6217	0.10%	0.027%
6	4.448	4.444	4.455	VV	332	1892	0.03%	0.008%
7	4.478	4.455	4.503	VV	1346	15754	0.25%	0.067%
8	4.524	4.503	4.549	VV	849	9863	0.16%	0.042%
9	4.561	4.549	4.575	VV	256	3369	0.05%	0.014%
10	4.591	4.575	4.609	VV	444	5541	0.09%	0.024%
11	4.624	4.609	4.639	VV	2306	22612	0.36%	0.096%
12	4.647	4.639	4.668	VV	1535	15555	0.25%	0.066%
13	4.682	4.668	4.688	VV	385	3454	0.06%	0.015%
14	4.704	4.688	4.719	VV	1367	13421	0.22%	0.057%
15	4.733	4.719	4.758	VV	2187	21476	0.34%	0.092%
16	4.763	4.758	4.770	VV	343	1715	0.03%	0.007%
17	4.785	4.770	4.801	VV	1818	15712	0.25%	0.067%
18	4.815	4.801	4.842	VV	1429	17434	0.28%	0.074%
19	4.860	4.842	4.881	VV	795	9872	0.16%	0.042%
20	4.899	4.881	4.913	PV	468	5986	0.10%	0.026%
21	4.931	4.913	4.948	VV	997	12632	0.20%	0.054%
22	4.952	4.948	4.963	VV	166	1292	0.02%	0.006%
23	4.968	4.963	4.975	VV	294	1085	0.02%	0.005%
24	5.009	4.975	5.025	VV	656	9264	0.15%	0.040%
25	5.029	5.025	5.033	VV	332	1360	0.02%	0.006%
26	5.037	5.033	5.064	VV	344	4611	0.07%	0.020%
27	5.089	5.064	5.098	VV	1194	12945	0.21%	0.055%
28	5.116	5.098	5.157	VV	4008	59505	0.96%	0.254%
29	5.172	5.157	5.183	VV	1044	11542	0.19%	0.049%
30	5.197	5.183	5.215	VV	2409	23331	0.37%	0.100%
31	5.219	5.215	5.234	VV	382	3224	0.05%	0.014%
32	5.240	5.234	5.269	VV	407	5457	0.09%	0.023%
33	5.303	5.269	5.316	VV	491	7769	0.12%	0.033%
34	5.335	5.316	5.369	VV	3912	42873	0.69%	0.183%
35	5.394	5.369	5.425	VV	1127	18753	0.30%	0.080%
36	5.474	5.425	5.492	VV	768	15063	0.24%	0.064%

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37	5.519	5.492	5.534	VV	2968	32732	0.53%	0.140%
38	5.553	5.534	5.582	VV	4770	51634	0.83%	0.220%
39	5.613	5.582	5.635	VV	729	14413	0.23%	0.062%
40	5.643	5.635	5.653	VV	432	3570	0.06%	0.015%
41	5.681	5.653	5.687	VV	580	9292	0.15%	0.040%
42	5.705	5.687	5.722	VV	1333	17153	0.28%	0.073%
43	5.729	5.722	5.744	VV	639	7133	0.11%	0.030%
44	5.755	5.744	5.773	VV	749	10522	0.17%	0.045%
45	5.802	5.773	5.835	VV	1830	36053	0.58%	0.154%
46	5.853	5.835	5.874	VV	1965	22388	0.36%	0.096%
47	5.890	5.874	5.905	VV	820	8790	0.14%	0.038%
48	5.923	5.905	5.935	VV	686	9167	0.15%	0.039%
49	5.940	5.935	5.953	VV	558	5627	0.09%	0.024%
50	5.972	5.953	5.989	VV	1118	15422	0.25%	0.066%
51	5.994	5.989	5.997	VV	395	1612	0.03%	0.007%
52	6.010	5.997	6.017	VV	643	6377	0.10%	0.027%
53	6.029	6.017	6.048	VV	834	11786	0.19%	0.050%
54	6.067	6.048	6.087	VV	6032	62843	1.01%	0.268%
55	6.098	6.087	6.123	VV	1050	15931	0.26%	0.068%
56	6.129	6.123	6.134	VV	523	2689	0.04%	0.011%
57	6.154	6.134	6.177	VV	1287	18378	0.29%	0.078%
58	6.198	6.177	6.205	VV	652	8899	0.14%	0.038%
59	6.217	6.205	6.251	VV	780	16408	0.26%	0.070%
60	6.258	6.251	6.264	VV	505	3152	0.05%	0.013%
61	6.267	6.264	6.277	VV	565	3727	0.06%	0.016%
62	6.294	6.277	6.304	VV	604	7842	0.13%	0.033%
63	6.320	6.304	6.326	VV	1146	10559	0.17%	0.045%
64	6.329	6.326	6.332	VV	975	3776	0.06%	0.016%
65	6.342	6.332	6.383	VV	1224	19379	0.31%	0.083%
66	6.389	6.383	6.400	VV	366	2799	0.04%	0.012%
67	6.421	6.400	6.443	VV	885	12932	0.21%	0.055%
68	6.449	6.443	6.460	VV	536	4220	0.07%	0.018%
69	6.463	6.460	6.474	VV	520	2874	0.05%	0.012%
70	6.496	6.474	6.532	VV	2049	31392	0.50%	0.134%
71	6.538	6.532	6.548	VV	598	4610	0.07%	0.020%
72	6.559	6.548	6.565	VV	605	5182	0.08%	0.022%
73	6.579	6.565	6.602	VV	779	13116	0.21%	0.056%
74	6.614	6.602	6.628	VV	998	11942	0.19%	0.051%
75	6.644	6.628	6.662	VV	1542	20138	0.32%	0.086%
76	6.674	6.662	6.702	VV	556	11411	0.18%	0.049%
77	6.718	6.702	6.742	VV	969	13675	0.22%	0.058%
78	6.773	6.742	6.788	VV	630	12888	0.21%	0.055%
79	6.794	6.788	6.807	VV	571	5658	0.09%	0.024%
80	6.813	6.807	6.827	VV	667	6273	0.10%	0.027%
81	6.832	6.827	6.839	VV	592	3562	0.06%	0.015%
82	6.885	6.839	6.912	VV	1541	31469	0.51%	0.134%
83	6.936	6.912	6.964	VV	1045	22249	0.36%	0.095%
84	6.969	6.964	6.972	VV	550	2402	0.04%	0.010%
85	6.989	6.972	7.016	VV	1269	24186	0.39%	0.103%
86	7.032	7.016	7.044	VV	1083	13727	0.22%	0.059%
87	7.051	7.044	7.070	VV	974	13710	0.22%	0.059%
88	7.077	7.070	7.091	VV	942	8905	0.14%	0.038%
89	7.120	7.091	7.145	VV	2784	44152	0.71%	0.188%

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90	7.172	7.145	7.177	VV	694	11848	0.19%	0.051%
91	7.183	7.177	7.188	VV	734	4791	0.08%	0.020%
92	7.198	7.188	7.217	VV	882	12869	0.21%	0.055%
93	7.225	7.217	7.236	VV	791	8071	0.13%	0.034%
94	7.258	7.236	7.263	VV	1697	19050	0.31%	0.081%
95	7.277	7.263	7.318	VV	1861	39563	0.64%	0.169%
96	7.337	7.318	7.352	VV	1145	18477	0.30%	0.079%
97	7.358	7.352	7.373	VV	861	9417	0.15%	0.040%
98	7.385	7.373	7.401	VV	865	12461	0.20%	0.053%
99	7.417	7.401	7.435	VV	1658	23473	0.38%	0.100%
100	7.451	7.435	7.463	VV	978	13828	0.22%	0.059%
101	7.479	7.463	7.491	VV	994	14142	0.23%	0.060%
102	7.506	7.491	7.529	VV	1130	19379	0.31%	0.083%
103	7.534	7.529	7.547	VV	657	6827	0.11%	0.029%
104	7.568	7.547	7.572	VV	805	10949	0.18%	0.047%
105	7.580	7.572	7.585	VV	769	5882	0.09%	0.025%
106	7.589	7.585	7.602	VV	797	7221	0.12%	0.031%
107	7.617	7.602	7.622	VV	806	8679	0.14%	0.037%
108	7.626	7.622	7.630	VV	838	3532	0.06%	0.015%
109	7.647	7.630	7.662	VV	1321	20061	0.32%	0.086%
110	7.678	7.662	7.694	VV	1285	20068	0.32%	0.086%
111	7.732	7.694	7.787	VV	658947	6230066	100.00%	26.586%
112	7.791	7.787	7.808	VV	1118	12911	0.21%	0.055%
113	7.828	7.808	7.858	VV	1472	32650	0.52%	0.139%
114	7.862	7.858	7.892	VV	952	16269	0.26%	0.069%
115	7.897	7.892	7.918	VV	765	10007	0.16%	0.043%
116	7.923	7.918	7.930	VV	1257	4852	0.08%	0.021%
117	7.939	7.930	7.949	VV	743	6680	0.11%	0.029%
118	7.956	7.949	7.962	VV	618	4215	0.07%	0.018%
119	7.964	7.962	7.967	VV	619	1775	0.03%	0.008%
120	7.983	7.967	7.995	VV	1101	13203	0.21%	0.056%
121	8.012	7.995	8.040	VV	1331	26393	0.42%	0.113%
122	8.051	8.040	8.058	VV	749	7339	0.12%	0.031%
123	8.074	8.058	8.083	VV	896	11074	0.18%	0.047%
124	8.097	8.083	8.110	VV	720	10312	0.17%	0.044%
125	8.114	8.110	8.131	VV	659	8016	0.13%	0.034%
126	8.138	8.131	8.140	VV	755	3197	0.05%	0.014%
127	8.184	8.140	8.209	VV	1481	44880	0.72%	0.192%
128	8.212	8.209	8.238	VV	899	15742	0.25%	0.067%
129	8.251	8.238	8.255	VV	929	8648	0.14%	0.037%
130	8.287	8.255	8.328	VV	2762	58437	0.94%	0.249%
131	8.348	8.328	8.363	VV	1614	24131	0.39%	0.103%
132	8.401	8.363	8.414	VV	1459	36070	0.58%	0.154%
133	8.425	8.414	8.466	VV	1050	24287	0.39%	0.104%
134	8.481	8.466	8.509	VV	854	17551	0.28%	0.075%
135	8.519	8.509	8.559	VV	869	18371	0.29%	0.078%
136	8.598	8.559	8.629	VV	410505	4084864	65.57%	17.431%
137	8.633	8.629	8.639	VV	1617	9478	0.15%	0.040%
138	8.649	8.639	8.677	VV	2089	33662	0.54%	0.144%
139	8.694	8.677	8.717	VV	1862	32378	0.52%	0.138%
140	8.720	8.717	8.729	VV	1106	7511	0.12%	0.032%
141	8.739	8.729	8.754	VV	1113	14412	0.23%	0.062%

					rteres			
142	8.768	8.754	8.785	VV	1173	18636	0.30%	0.080%
143	8.789	8.785	8.794	VV	907	4226	0.07%	0.018%
144	8.798	8.794	8.809	VV	927	7727	0.12%	0.033%
145	8.844	8.809	8.870	VV	1648	45312	0.73%	0.193%
146	8.893	8.870	8.922	VV	1474	40644	0.65%	0.173%
147	8.937	8.922	8.954	VV	1296	22659	0.36%	0.097%
148	8.967	8.954	8.981	VV	1339	20018	0.32%	0.085%
149	9.005	8.981	9.024	VV	29278	300093	4.82%	1.281%
150	9.034	9.024	9.072	VV	2657	46369	0.74%	0.198%
151	9.089	9.072	9.112	VV	2846	42008	0.67%	0.179%
152	9.124	9.112	9.144	VV	1361	23112	0.37%	0.099%
153	9.160	9.144	9.180	VV	2377	32768	0.53%	0.140%
154	9.198	9.180	9.227	VV	1581	36139	0.58%	0.154%
155	9.245	9.227	9.254	VV	1378	20194	0.32%	0.086%
156	9.282	9.254	9.311	VV	1291	36386	0.58%	0.155%
157	9.335	9.311	9.371	VV	1372	31383	0.50%	0.134%
158	9.391	9.371	9.425	VV	740	18332	0.29%	0.078%
159	9.435	9.425	9.447	VV	569	6893	0.11%	0.029%
160	9.477	9.447	9.509	VV	1531	26668	0.43%	0.114%
161	9.551	9.509	9.565	VV	833	21663	0.35%	0.092%
162	9.572	9.565	9.589	VV	857	9986	0.16%	0.043%
163	9.613	9.589	9.629	VV	1079	19858	0.32%	0.085%
164	9.633	9.629	9.646	VV	956	8356	0.13%	0.036%
165	9.661	9.646	9.687	VV	926	17096	0.27%	0.073%
166	9.722	9.687	9.734	VV	2256	34444	0.55%	0.147%
167	9.752	9.734	9.779	VV	10098	109240	1.75%	0.466%
168	9.818	9.779	9.860	VV	935	30018	0.48%	0.128%
169	9.882	9.860	9.916	VV	1594	27898	0.45%	0.119%
170	9.929	9.916	9.946	VV	643	9451	0.15%	0.040%
171	9.954	9.946	10.011	VV	514	18321	0.29%	0.078%
172	10.019	10.011	10.028	VV	497	4679	0.08%	0.020%
173	10.078	10.028	10.134	VV	2150	54176	0.87%	0.231%
174	10.140	10.134	10.151	VV	491	4198	0.07%	0.018%
175	10.161	10.151	10.184	VV	499	7725	0.12%	0.033%
176	10.221	10.184	10.239	VV	790	20986	0.34%	0.090%
177	10.247	10.239	10.255	VV	631	5443	0.09%	0.023%
178	10.271	10.255	10.300	VV	639	16377	0.26%	0.070%
179	10.318	10.300	10.360	VV	836	24671	0.40%	0.105%
180	10.367	10.360	10.380	VV	655	6798	0.11%	0.029%
181	10.408	10.380	10.420	VV	1049	19317	0.31%	0.082%
182	10.432	10.420	10.454	VV	1206	19846	0.32%	0.085%
183	10.468	10.454	10.484	VV	847	12538	0.20%	0.054%
184	10.508	10.484	10.537	VV	978	23925	0.38%	0.102%
185	10.591	10.537	10.628	VV	3024	74900	1.20%	0.320%
186	10.674	10.628	10.743	VV	1611	77011	1.24%	0.329%
187	10.753	10.743	10.782	VV	803	14705	0.24%	0.063%
188	10.808	10.782	10.827	VV	1131	23022	0.37%	0.098%
189	10.836	10.827	10.857	VV	1122	18462	0.30%	0.079%
190	10.874	10.857	10.925	VV	2220	50310	0.81%	0.215%
191	10.944	10.925	10.970	VV	924	19553	0.31%	0.083%
192	10.988	10.970	11.024	VV	856	19123	0.31%	0.082%
193	11.047	11.024	11.090	VV	662	16711	0.27%	0.071%
194	11.129	11.090	11.149	VV	717	17452	0.28%	0.074%

					rteres			
195	11.155	11.149	11.202	VV	635	14402	0.23%	0.061%
196	11.211	11.202	11.225	VV	437	5568	0.09%	0.024%
197	11.251	11.225	11.269	VV	1358	23505	0.38%	0.100%
198	11.286	11.269	11.305	VV	1293	21318	0.34%	0.091%
199	11.320	11.305	11.344	VV	1644	23803	0.38%	0.102%
200	11.393	11.344	11.455	VV	780	31602	0.51%	0.135%
201	11.478	11.455	11.503	VV	688	13066	0.21%	0.056%
202	11.513	11.503	11.549	VV	597	10989	0.18%	0.047%
203	11.562	11.549	11.580	VV	517	7268	0.12%	0.031%
204	11.642	11.580	11.693	VV	425630	4496436	72.17%	19.188%
205	11.732	11.693	11.762	VV	3481	57203	0.92%	0.244%
206	11.804	11.762	11.840	VV	1280	29062	0.47%	0.124%
207	11.862	11.840	11.872	VV	405	5572	0.09%	0.024%
208	11.909	11.872	11.930	VV	671	16321	0.26%	0.070%
209	11.965	11.930	12.004	VV	851	28491	0.46%	0.122%
210	12.038	12.004	12.060	VV	4894	69667	1.12%	0.297%
211	12.078	12.060	12.102	VV	1745	25298	0.41%	0.108%
212	12.146	12.102	12.157	VV	796	20757	0.33%	0.089%
213	12.228	12.157	12.337	VV	24681	379453	6.09%	1.619%
214	12.361	12.337	12.407	VV	1536	44030	0.71%	0.188%
215	12.415	12.407	12.470	VV	915	28135	0.45%	0.120%
216	12.485	12.470	12.513	VV	917	16613	0.27%	0.071%
217	12.532	12.513	12.544	VV	528	7679	0.12%	0.033%
218	12.566	12.544	12.587	VV	1289	20364	0.33%	0.087%
219	12.596	12.587	12.602	VV	509	4108	0.07%	0.018%
220	12.626	12.602	12.649	VV	1827	30275	0.49%	0.129%
221	12.684	12.649	12.726	VV	1946	44509	0.71%	0.190%
222	12.751	12.726	12.781	VV	2760	38559	0.62%	0.165%
223	12.814	12.781	12.830	VV	494	8978	0.14%	0.038%
224	12.874	12.830	12.884	VV	549	10708	0.17%	0.046%
225	12.898	12.884	12.927	VV	564	9883	0.16%	0.042%
226	12.933	12.927	12.947	VV	427	4115	0.07%	0.018%
227	12.982	12.947	13.007	VV	1588	28980	0.47%	0.124%
228	13.026	13.007	13.040	VV	1060	14795	0.24%	0.063%
229	13.069	13.040	13.100	VV	58569	685391	11.00%	2.925%
230	13.115	13.100	13.162	VV	1078	26751	0.43%	0.114%
231	13.174	13.162	13.198	VV	604	11073	0.18%	0.047%
232	13.206	13.198	13.215	VV	536	4925	0.08%	0.021%
233	13.236	13.215	13.267	VV	829	18991	0.30%	0.081%
234	13.289	13.267	13.313	VV	2268	32862	0.53%	0.140%
235	13.357	13.313	13.385	VV	973	32377	0.52%	0.138%
236	13.404	13.385	13.437	VV	1067	26426	0.42%	0.113%
237	13.461	13.437	13.554	VV	10606	195397	3.14%	0.834%
238	13.563	13.554	13.594	VV	949	19908	0.32%	0.085%
239	13.638	13.594	13.655	VV	1258	35895	0.58%	0.153%
240	13.688	13.655	13.740	VV	2930	64690	1.04%	0.276%
241	13.772	13.740	13.797	VV	3456	56351	0.90%	0.240%
242	13.821	13.797	13.864	VV	1739	36186	0.58%	0.154%
243	13.882	13.864	13.904	VV	649	13146	0.21%	0.056%
244	13.928	13.904	13.965	VV	1336	25678	0.41%	0.110%
245	13.984	13.965	14.005	VV	676	9791	0.16%	0.042%
246	14.058	14.005	14.097	VV	840	30750	0.49%	0.131%

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247	14.102	14.097	14.114	VV	486	4002	0.06%	0.017%
248	14.119	14.114	14.132	VV	425	4176	0.07%	0.018%
249	14.155	14.132	14.168	VV	674	11308	0.18%	0.048%
250	14.178	14.168	14.185	VV	559	4665	0.07%	0.020%
251	14.208	14.185	14.226	VV	1502	24452	0.39%	0.104%
252	14.250	14.226	14.279	VV	1806	36337	0.58%	0.155%
253	14.290	14.279	14.320	VV	848	15608	0.25%	0.067%
254	14.331	14.320	14.362	VV	575	12415	0.20%	0.053%
255	14.377	14.362	14.394	VV	616	10218	0.16%	0.044%
256	14.404	14.394	14.419	VV	594	7656	0.12%	0.033%
257	14.426	14.419	14.451	VV	560	9009	0.14%	0.038%
258	14.476	14.451	14.485	VV	737	11422	0.18%	0.049%
259	14.544	14.485	14.582	VV	2701	66100	1.06%	0.282%
260	14.594	14.582	14.632	VV	596	14295	0.23%	0.061%
261	14.638	14.632	14.654	VV	481	5599	0.09%	0.024%
262	14.663	14.654	14.671	VV	556	4568	0.07%	0.019%
263	14.680	14.671	14.690	VV	510	4531	0.07%	0.019%
264	14.759	14.690	14.799	VV	985	32525	0.52%	0.139%
265	14.851	14.799	14.869	VV	3761	55971	0.90%	0.239%
266	14.891	14.869	14.943	VV	4041	91654	1.47%	0.391%
267	14.964	14.943	14.989	VV	1157	21863	0.35%	0.093%
268	15.011	14.989	15.064	VV	755	26930	0.43%	0.115%
269	15.088	15.064	15.121	VV	1206	25941	0.42%	0.111%
270	15.141	15.121	15.177	VV	604	15089	0.24%	0.064%
271	15.183	15.177	15.202	VV	418	5305	0.09%	0.023%
272	15.216	15.202	15.245	VV	703	13265	0.21%	0.057%
273	15.296	15.245	15.319	VV	6772	99410	1.60%	0.424%
274	15.337	15.319	15.372	VV	2652	48053	0.77%	0.205%
275	15.397	15.372	15.427	VV	613	17455	0.28%	0.074%
276	15.456	15.427	15.483	VV	1509	30249	0.49%	0.129%
277	15.492	15.483	15.501	VV	464	4790	0.08%	0.020%
278	15.517	15.501	15.540	VV	511	9909	0.16%	0.042%
279	15.545	15.540	15.581	VV	511	8607	0.14%	0.037%
280	15.615	15.581	15.625	VV	609	10671	0.17%	0.046%
281	15.630	15.625	15.652	VV	415	6303	0.10%	0.027%
282	15.674	15.652	15.688	VV	637	10919	0.18%	0.047%
283	15.716	15.688	15.745	VV	957	20350	0.33%	0.087%
284	15.768	15.745	15.776	VV	632	9468	0.15%	0.040%
285	15.786	15.776	15.828	VV	694	17185	0.28%	0.073%
286	15.866	15.828	15.886	VV	1233	27248	0.44%	0.116%
287	15.899	15.886	15.920	VV	1016	15930	0.26%	0.068%
288	15.938	15.920	15.992	VV	1247	28425	0.46%	0.121%
289	16.004	15.992	16.027	VV	665	10655	0.17%	0.045%
290	16.033	16.027	16.052	VV	493	6933	0.11%	0.030%
291	16.084	16.052	16.142	VV	1865	46251	0.74%	0.197%
292	16.150	16.142	16.205	VV	430	13900	0.22%	0.059%
293	16.234	16.205	16.267	VV	576	15191	0.24%	0.065%
294	16.307	16.267	16.346	VV	1644	38489	0.62%	0.164%
295	16.401	16.346	16.414	VV	3256	56174	0.90%	0.240%
296	16.431	16.414	16.482	VV	3877	73926	1.19%	0.315%
297	16.502	16.482	16.527	VV	1381	24258	0.39%	0.104%
298	16.557	16.527	16.572	VV	1316	24551	0.39%	0.105%
299	16.597	16.572	16.662	VV	1311	44920	0.72%	0.192%

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300	16.671	16.662	16.715	VV	658	16156	0.26%	0.069%
301	16.781	16.715	16.832	PV	4852	98813	1.59%	0.422%
302	16.850	16.832	16.862	VV	866	15163	0.24%	0.065%
303	16.887	16.862	16.905	VV	1697	29901	0.48%	0.128%
304	16.937	16.905	16.988	VV	9403	141964	2.28%	0.606%
305	17.017	16.988	17.034	VV	535	12077	0.19%	0.052%
306	17.057	17.034	17.072	VV	517	8822	0.14%	0.038%
307	17.124	17.072	17.141	VV	692	19609	0.31%	0.084%
308	17.158	17.141	17.204	VV	764	18920	0.30%	0.081%
309	17.235	17.204	17.259	VV	885	19994	0.32%	0.085%
310	17.278	17.259	17.309	VV	1015	23386	0.38%	0.100%
311	17.334	17.309	17.359	VV	1555	26991	0.43%	0.115%
312	17.365	17.359	17.392	VV	451	7297	0.12%	0.031%
313	17.441	17.392	17.494	VV	1348	39626	0.64%	0.169%
314	17.512	17.494	17.540	VV	520	9936	0.16%	0.042%
315	17.551	17.540	17.559	VV	372	2872	0.05%	0.012%
316	17.566	17.559	17.589	VV	303	3387	0.05%	0.014%
317	17.616	17.589	17.630	VV	196	3755	0.06%	0.016%
318	17.640	17.630	17.675	VV	331	5755	0.09%	0.025%
319	17.702	17.675	17.715	VV	404	4930	0.08%	0.021%
320	17.770	17.715	17.800	VV	1944	34328	0.55%	0.146%
321	17.834	17.800	17.845	VV	729	15899	0.26%	0.068%
322	17.862	17.845	17.889	VV	752	12811	0.21%	0.055%
323	17.923	17.889	17.945	VV	911	19227	0.31%	0.082%
324	17.954	17.945	17.978	VV	724	7425	0.12%	0.032%
325	17.998	17.978	18.021	VV	551	9798	0.16%	0.042%
326	18.053	18.021	18.082	VV	1345	26750	0.43%	0.114%
327	18.142	18.082	18.162	VV	9702	163652	2.63%	0.698%
328	18.184	18.162	18.249	VV	15171	213043	3.42%	0.909%
329	18.287	18.249	18.315	VV	1053	22638	0.36%	0.097%
330	18.322	18.315	18.339	VV	325	3393	0.05%	0.014%
331	18.395	18.339	18.424	VV	6458	92216	1.48%	0.394%
332	18.440	18.424	18.465	VV	680	12491	0.20%	0.053%
333	18.473	18.465	18.490	VV	399	4947	0.08%	0.021%
334	18.537	18.490	18.565	VV	1046	26748	0.43%	0.114%
335	18.601	18.565	18.615	VV	1752	31246	0.50%	0.133%
336	18.627	18.615	18.665	VV	1470	26833	0.43%	0.115%
337	18.693	18.665	18.744	VV	1388	34295	0.55%	0.146%
338	18.755	18.744	18.791	VV	579	7322	0.12%	0.031%
339	18.808	18.791	18.834	PV	360	4232	0.07%	0.018%
340	18.853	18.834	18.862	PV	366	4120	0.07%	0.018%
341	18.887	18.862	18.912	VV	1243	17708	0.28%	0.076%
342	18.952	18.912	18.980	PV	2644	32629	0.52%	0.139%
Sum of corrected areas:					23434010			

Aromatic EPH 052425.M Wed Jun 11 01:19:42 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069134.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 16:17
Operator : YP/AJ
Sample : PB168324BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168324BL

Integration File: autoint1.e
Quant Time: Jun 10 05:23:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.113	2680219	29.875 ug/ml
Spiked Amount	50.000	Recovery	= 59.75%

Target Compounds

(f)=RT Delta > 1/2 Window

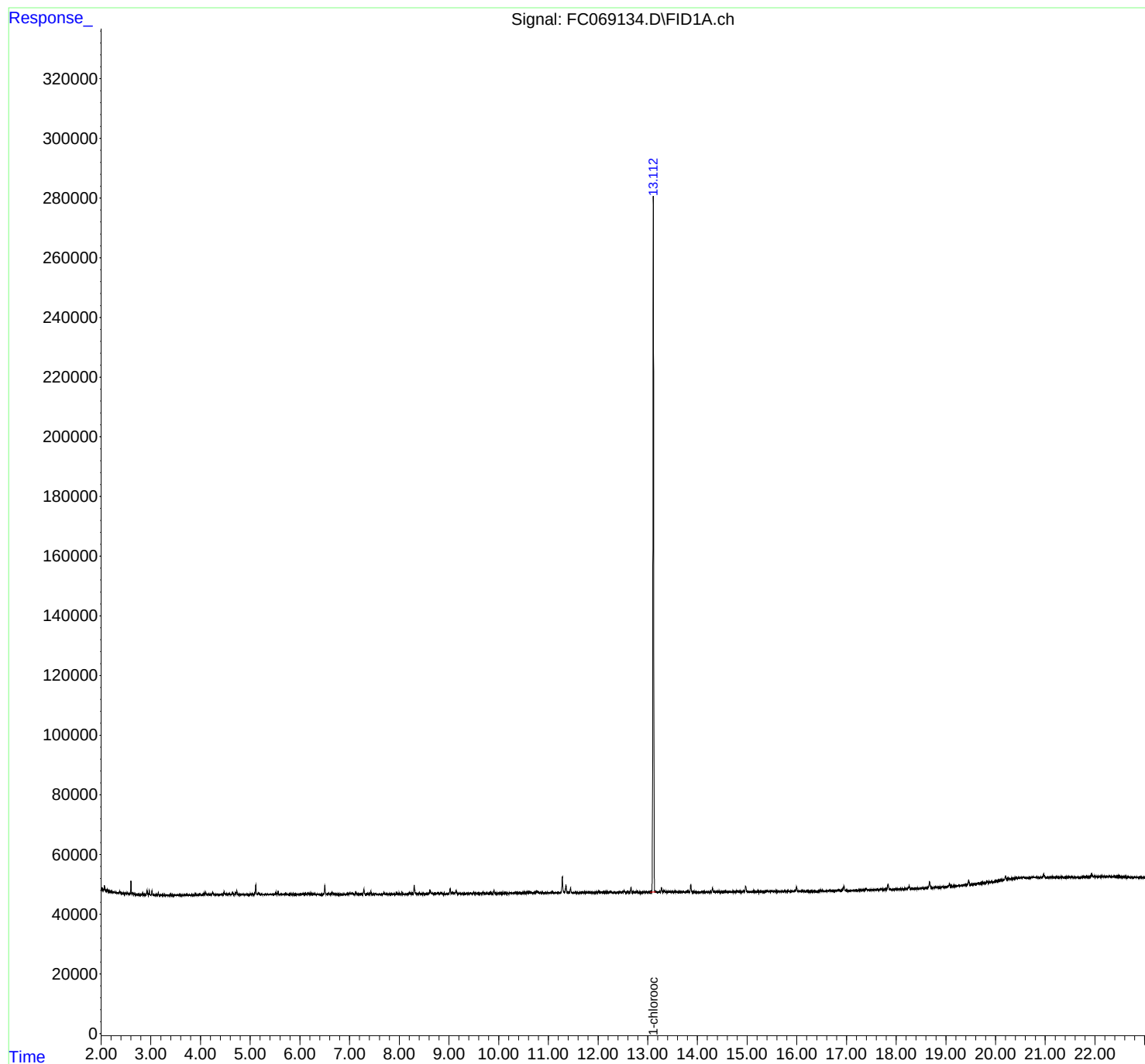
(m)=manual int.

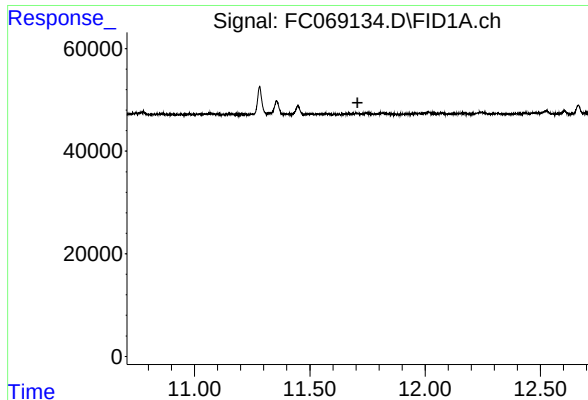
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069134.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 16:17
Operator : YP/AJ
Sample : PB168324BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168324BL

Integration File: autoint1.e
Quant Time: Jun 10 05:23:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

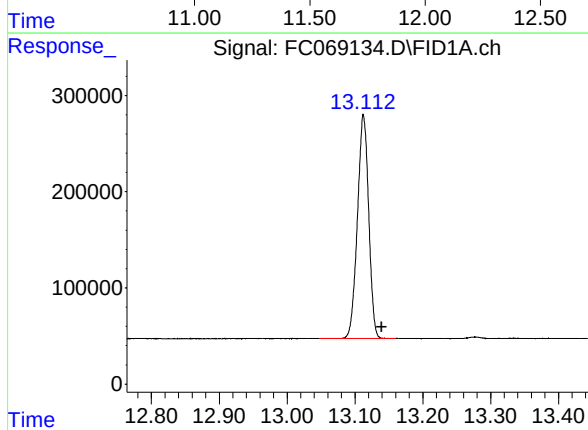




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.707 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB168324BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.027 min
Response: 2680219
Conc: 29.88 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
 Data File : FC069134.D
 Signal(s) : FID1A.ch
 Acq On : 09 Jun 2025 16:17
 Sample : PB168324BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	13.113	13.047	13.160	BB	233105	2680219	100.00%	100.000%
Sum of corrected areas:						2680219		

Aliphatic EPH 052425.M Tue Jun 10 06:17:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
 Data File : FD049415.D
 Signal(s) : FID2B.ch
 Acq On : 09 Jun 2025 16:17
 Operator : YP/AJ
 Sample : PB168324BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB168324BL

Integration File: autoint1.e
 Quant Time: Jun 10 02:35:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 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...	7.733	5192860	31.238 ug/ml
Spiked Amount 50.000		Recovery =	62.48%
6) S 2-Fluorobiphenyl (SURR)	8.598	3467147	30.308 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	60.62%
11) S ortho-Terphenyl (SURR)	11.645	5861022	29.200 ug/ml
Spiked Amount 50.000		Recovery =	58.40%

Target Compounds

(f)=RT Delta > 1/2 Window

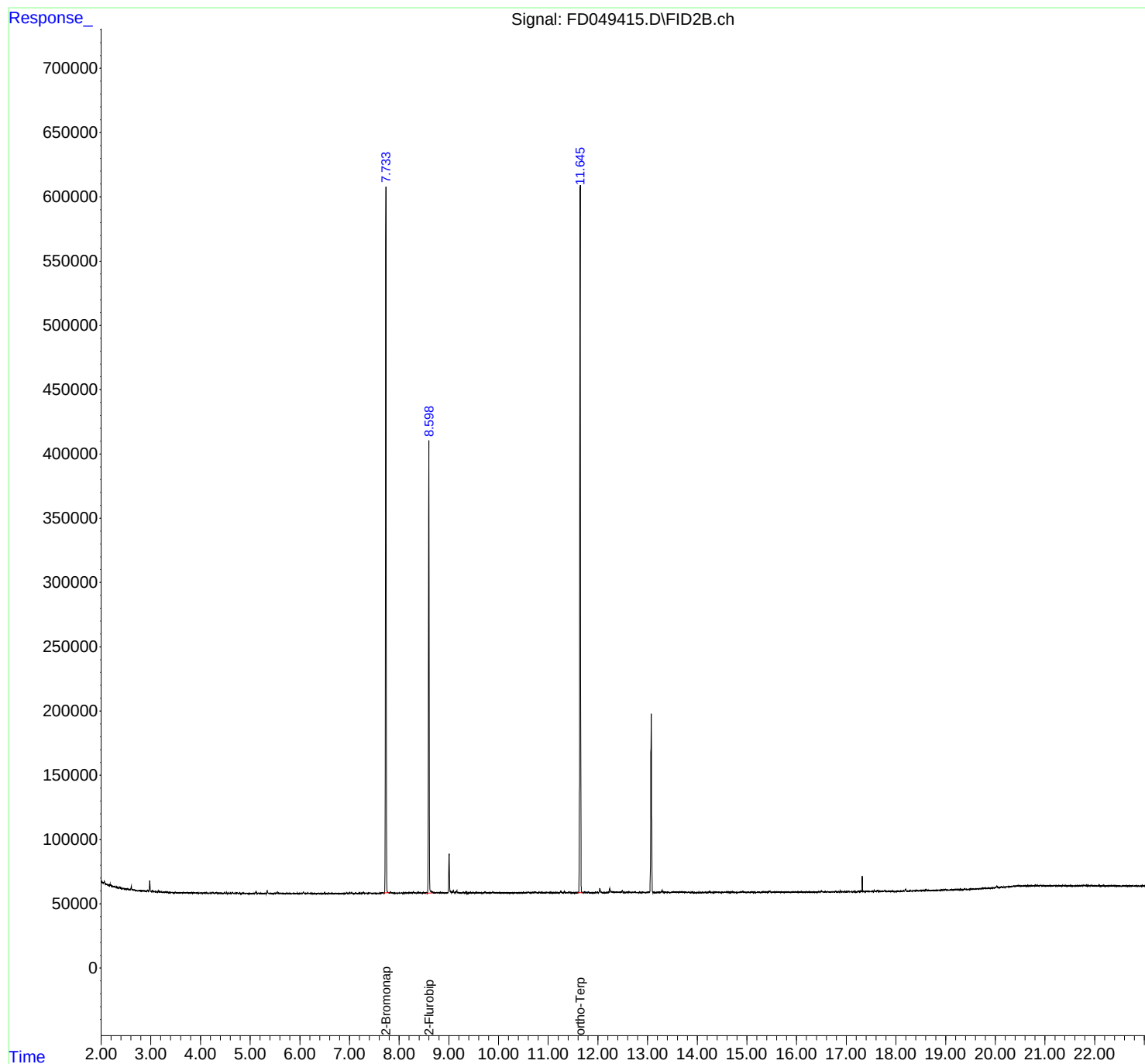
(m)=manual int.

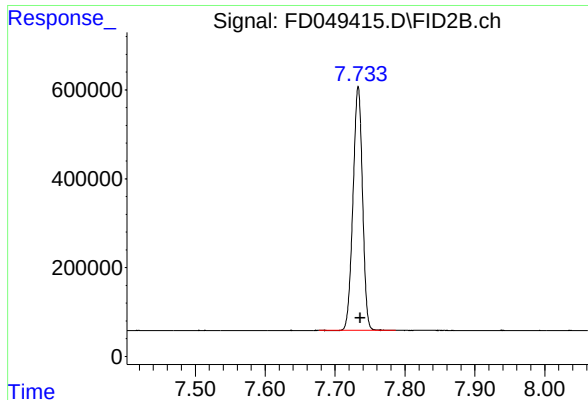
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049415.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 16:17
Operator : YP/AJ
Sample : PB168324BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168324BL

Integration File: autoint1.e
Quant Time: Jun 10 02:35:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

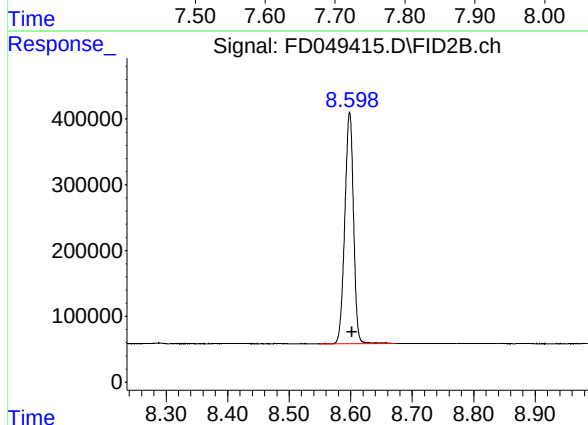




#4 2-Bromonaphthalene (SURR)

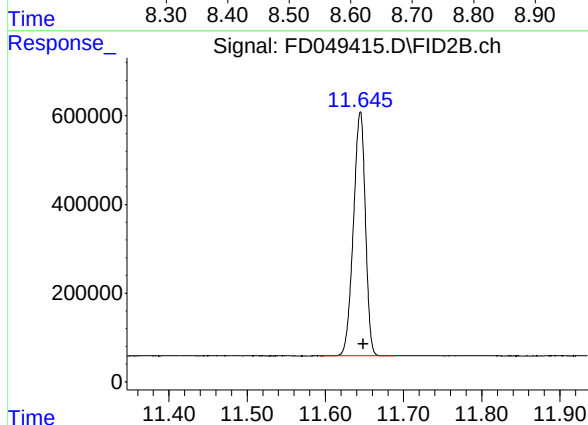
R.T.: 7.733 min
Delta R.T.: -0.003 min
Response: 5192860
Conc: 31.24 ug/ml

Instrument :
FID_D
ClientSampleId :
PB168324BL



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.598 min
Delta R.T.: -0.004 min
Response: 3467147
Conc: 30.31 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.645 min
Delta R.T.: -0.004 min
Response: 5861022
Conc: 29.20 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049415.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 16:17
Sample : PB168324BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	7.733	7.677	7.787	BB	549290	5192860	88.60%	35.761%
2	8.598	8.549	8.674	BB	351672	3467147	59.16%	23.877%
3	11.645	11.592	11.690	BB	551945	5861022	100.00%	40.362%
Sum of corrected areas:						14521029		

Aromatic EPH 052425.M Tue Jun 10 02:57:50 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069157.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 16:33
Operator : YP/AJ
Sample : PB168408BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168408BL

A
B
C
D
E
F
G
H
I
J

Integration File: autoint1.e
Quant Time: Jun 12 06:04:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.115	2699214	30.087 ug/ml
Spiked Amount	50.000	Recovery	= 60.17%

Target Compounds

(f)=RT Delta > 1/2 Window

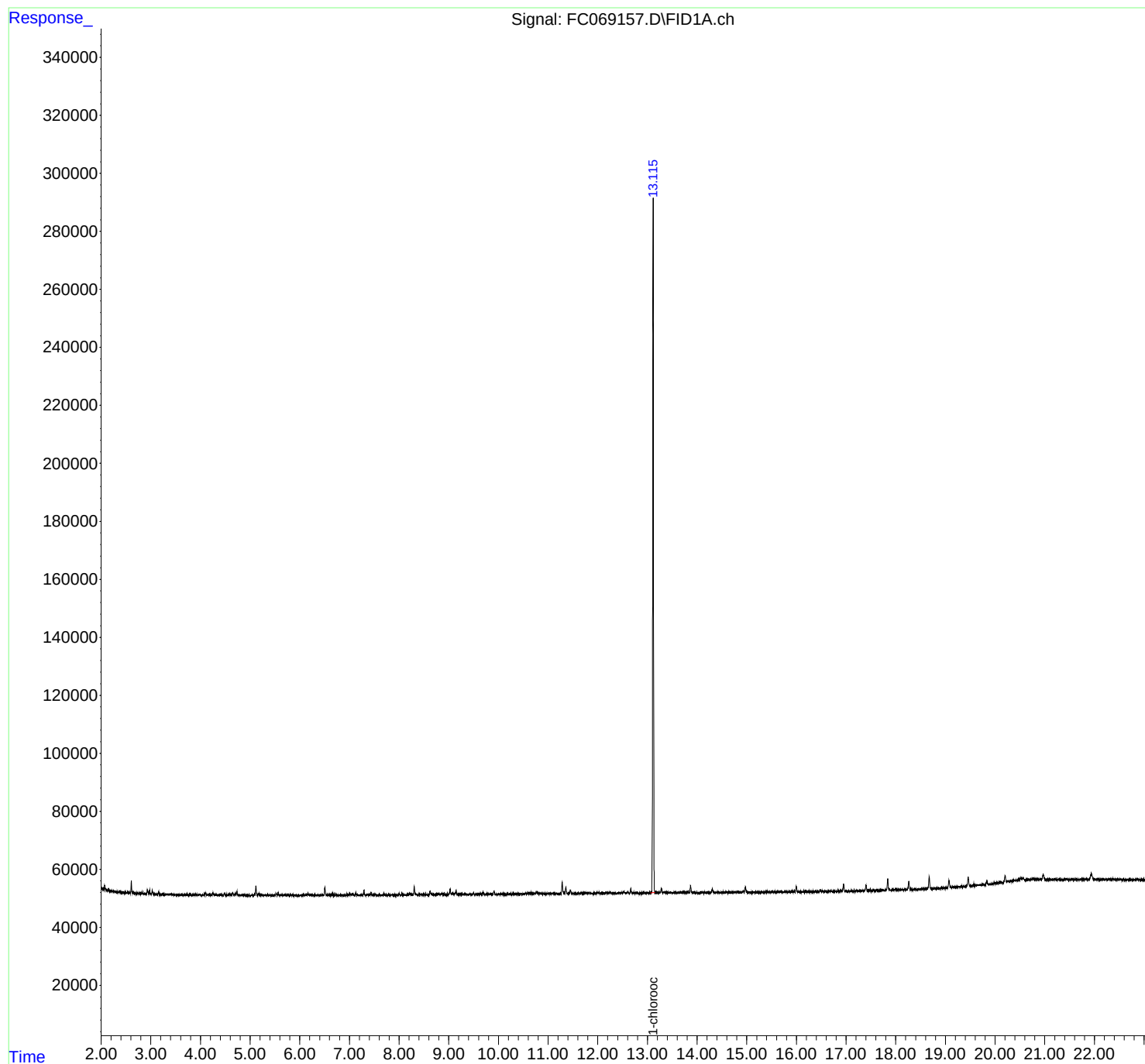
(m)=manual int.

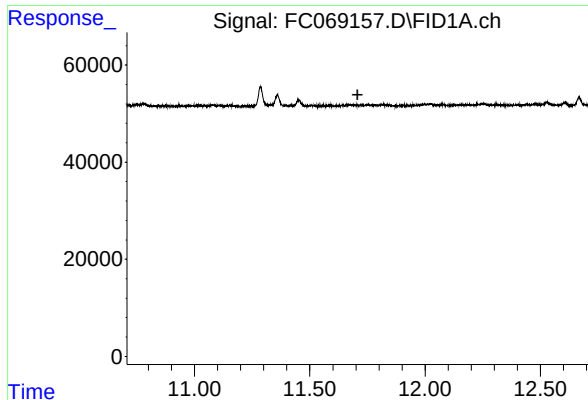
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069157.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 16:33
Operator : YP/AJ
Sample : PB168408BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168408BL

Integration File: autoint1.e
Quant Time: Jun 12 06:04:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

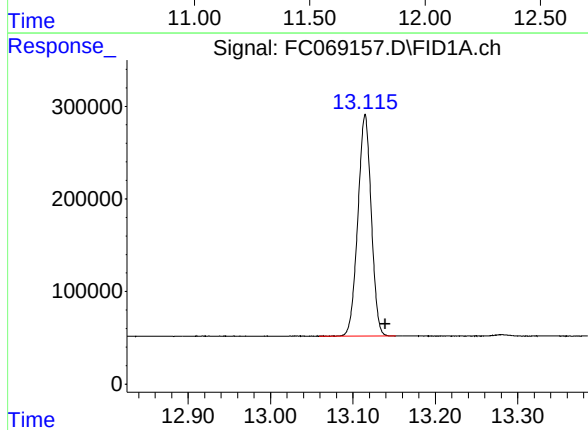




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.707 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB168408BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.115 min
Delta R.T.: -0.025 min
Response: 2699214
Conc: 30.09 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069157.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jun 2025 16:33
 Sample : PB168408BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	13.115	13.059	13.152	BB	240199	2699214	100.00%	100.000%
Sum of corrected areas:						2699214		

Aliphatic EPH 052425.M Thu Jun 12 06:57:13 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
 Data File : FD049432.D
 Signal(s) : FID2B.ch
 Acq On : 11 Jun 2025 16:33
 Operator : YP/AJ
 Sample : PB168408BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB168408BL

Integration File: autoint1.e
 Quant Time: Jun 12 04:59:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 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...	7.733	5580932	33.573 ug/ml
Spiked Amount 50.000		Recovery =	67.15%
6) S 2-Fluorobiphenyl (SURR)	8.598	3722980	32.544 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	65.09%
11) S ortho-Terphenyl (SURR)	11.645	6306403	31.419 ug/ml
Spiked Amount 50.000		Recovery =	62.84%

Target Compounds

(f)=RT Delta > 1/2 Window

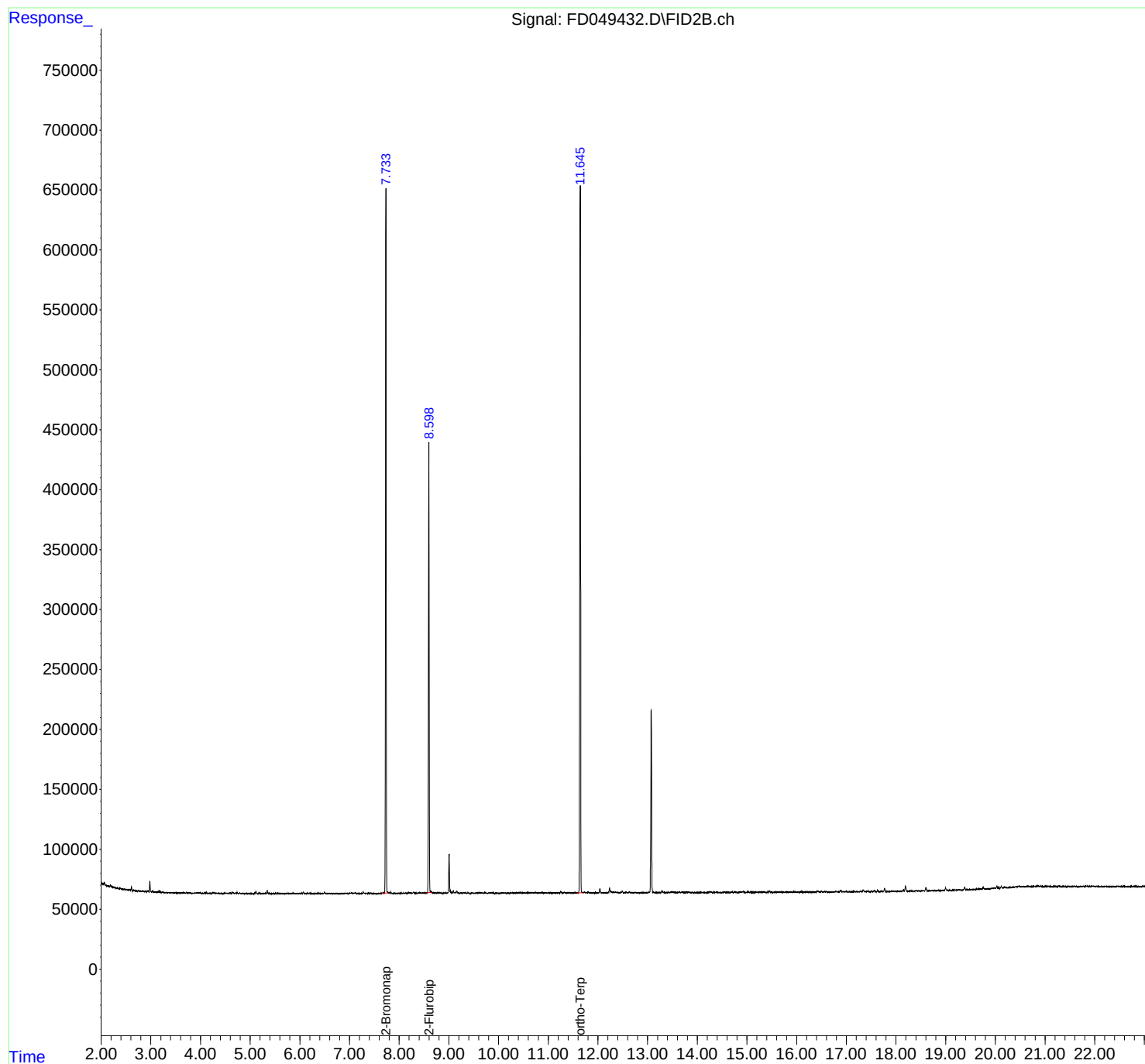
(m)=manual int.

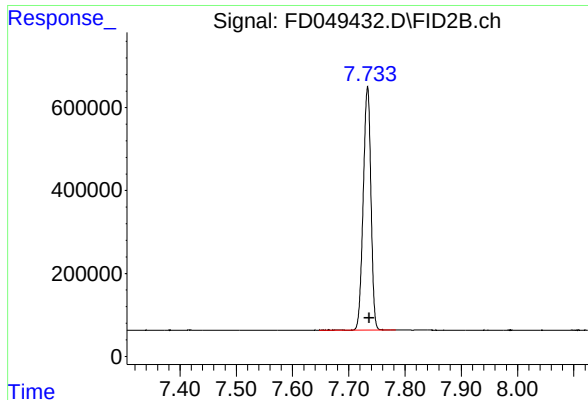
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
Data File : FD049432.D
Signal(s) : FID2B.ch
Acq On : 11 Jun 2025 16:33
Operator : YP/AJ
Sample : PB168408BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168408BL

Integration File: autoint1.e
Quant Time: Jun 12 04:59:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

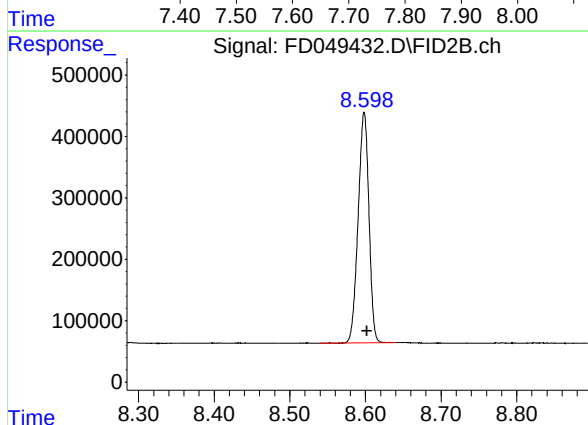




#4 2-Bromonaphthalene (SURR)

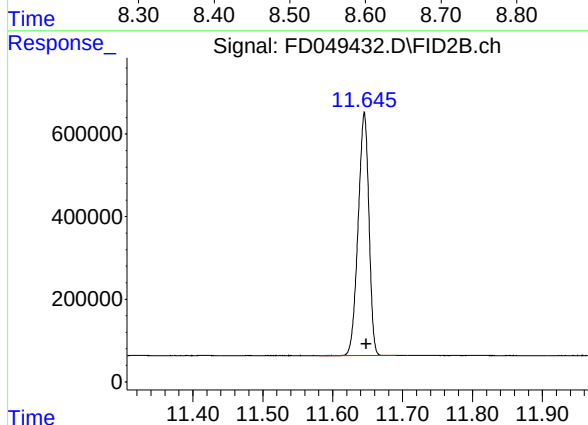
R.T.: 7.733 min
Delta R.T.: -0.003 min
Response: 5580932
Conc: 33.57 ug/ml

Instrument :
FID_D
ClientSampleId :
PB168408BL



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.598 min
Delta R.T.: -0.004 min
Response: 3722980
Conc: 32.54 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.645 min
Delta R.T.: -0.003 min
Response: 6306403
Conc: 31.42 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
Data File : FD049432.D
Signal(s) : FID2B.ch
Acq On : 11 Jun 2025 16:33
Sample : PB168408BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	7.733	7.647	7.784	BB	588138	5580932	88.50%	35.752%
2	8.598	8.539	8.640	BB	375716	3722980	59.03%	23.849%
3	11.645	11.580	11.690	BB	589219	6306403	100.00%	40.399%
Sum of corrected areas:							15610315	

Aromatic EPH 052425.M Thu Jun 12 05:38:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
 Data File : FC069135.D
 Signal(s) : FID1A.ch
 Acq On : 09 Jun 2025 16:57
 Operator : YP/AJ
 Sample : PB168324BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB168324BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e

Quant Time: Jun 10 05:23:50 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M

Quant Title : GC Extractables

Qlast Update : Tue May 27 01:48:55 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.113	3366566	37.526 ug/ml
Spiked Amount 50.000		Recovery =	75.05%
Target Compounds			
1) T n-Nonane (C9)	3.400	2217452	20.895 ug/ml
2) T n-Decane (C10)	4.476	2679793	25.303 ug/ml
4) T n-Dodecane (C12)	6.503	2953611	28.097 ug/ml
6) T n-Tetradecane (C14)	8.303	3054731	29.801 ug/ml
7) T n-Hexadecane (C16)	9.908	3236632	31.898 ug/ml
8) T n-Octadecane (C18)	11.353	3312495	33.143 ug/mlm
10) T n-Eicosane (C20)	12.666	3555373	36.504 ug/ml
11) T n-Heneicosane (C21)	13.281	3487347	36.231 ug/ml
13) T n-Docosane (C22)	13.868	3503194	36.772 ug/ml
14) T n-Tetracosane (C24)	14.974	3529259	37.484 ug/ml
15) T n-Hexacosane (C26)	15.997	3496699	37.663 ug/ml
16) T n-Octacosane (C28)	16.949	3480519	37.444 ug/ml
17) T n-Tricontane (C30)	17.839	3536231	36.547 ug/ml
18) T n-Dotriacontane (C32)	18.674	3563259	35.957 ug/ml
19) T n-Tetratriacontane (C34)	19.460	3578132	37.126 ug/ml
20) T n-Hexatriacontane (C36)	20.202	3444828	36.288 ug/ml
21) T n-Octatriacontane (C38)	20.972	3202447	35.101 ug/ml
22) T n-Tetracontane (C40)	21.938	2598811	29.453 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069135.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 16:57
Operator : YP/AJ
Sample : PB168324BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB168324BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e

Quant Time: Jun 10 05:23:50 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M

Quant Title : GC Extractables

QLast Update : Tue May 27 01:48:55 2025

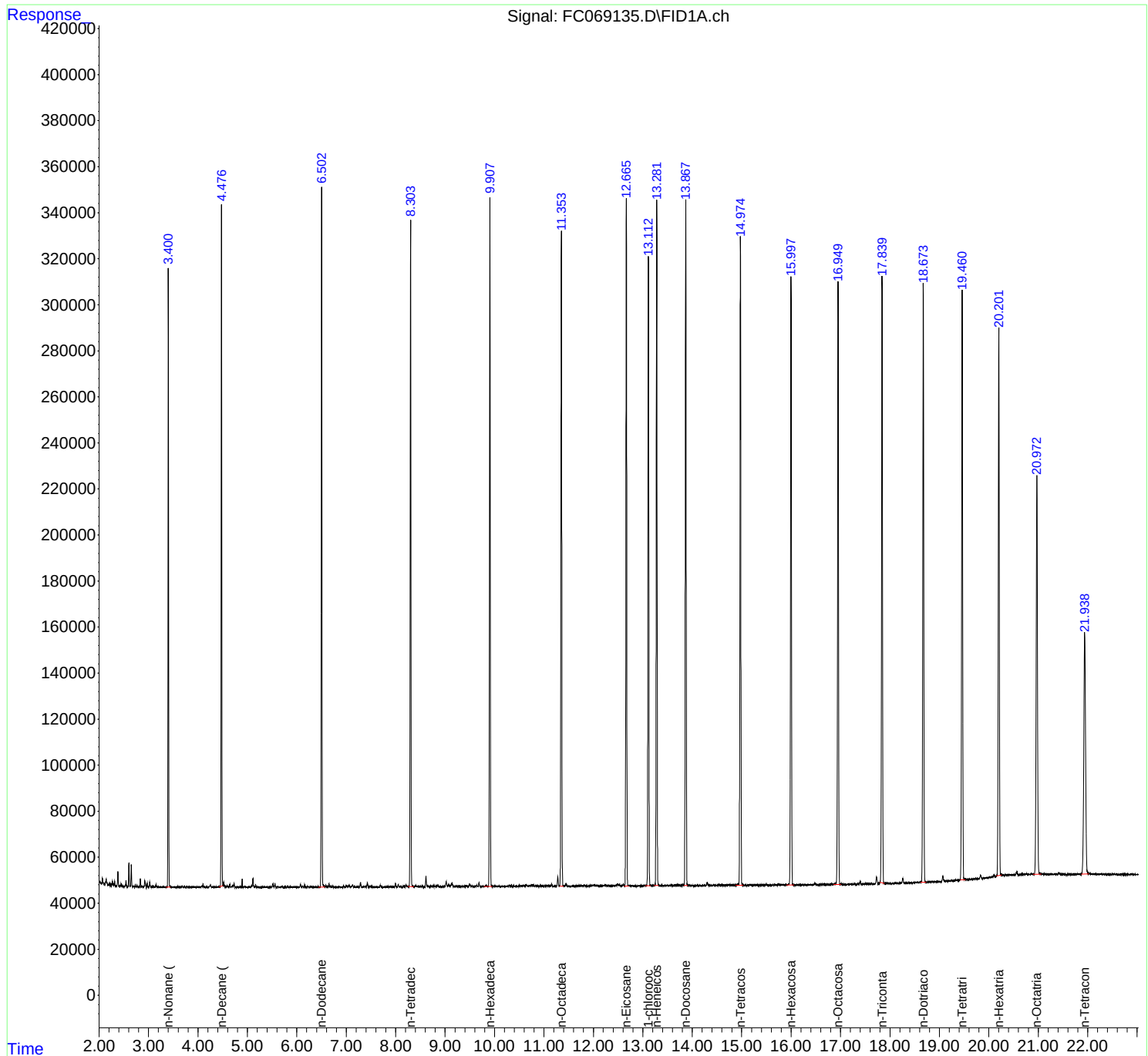
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



rteres

Instrument :

FID_C

ClientSampleId :

PB168324BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06092
 Data File : FC069135.D
 Signal(s) : FID1A.ch
 Acq On : 09 Jun 2025 16:57
 Sample : PB168324BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.400	3.350	3.447	BB	268489	2217452	61.97%	3.599%
2	4.476	4.420	4.505	BV	295574	2679793	74.89%	4.349%
3	6.503	6.442	6.573	BV	303942	2953611	82.55%	4.794%
4	8.303	8.243	8.365	BB	290305	3054731	85.37%	4.958%
5	9.908	9.783	9.958	BB	299159	3236632	90.46%	5.253%
6	11.353	11.330	11.393	BB	282366	3203643	89.53%	5.199%
7	12.666	12.628	12.718	BB	296226	3555373	99.36%	5.770%
8	13.113	13.043	13.158	BB	273202	3366566	94.09%	5.464%
9	13.281	13.220	13.322	BB	298888	3487347	97.46%	5.660%
10	13.868	13.831	13.912	PB	295831	3503194	97.91%	5.686%
11	14.974	14.883	15.032	BB	279346	3529259	98.63%	5.728%
12	15.997	15.907	16.062	BB	264550	3496699	97.72%	5.675%
13	16.949	16.865	17.005	BB	260642	3480519	97.27%	5.649%
14	17.839	17.800	17.895	BB	262743	3536231	98.83%	5.739%
15	18.674	18.617	18.732	BB	259724	3563259	99.58%	5.783%
16	19.460	19.420	19.518	BB	255549	3578132	100.00%	5.807%
17	20.202	20.160	20.257	BB	238494	3444828	96.27%	5.591%
18	20.972	20.892	21.055	BB	172990	3202447	89.50%	5.197%
19	21.939	21.890	22.025	BB	103816	2525611	70.58%	4.099%
Sum of corrected areas:						61615327		

Aliphatic EPH 052425.M Tue Jun 10 06:18:13 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
 Data File : FD049416.D
 Signal(s) : FID2B.ch
 Acq On : 09 Jun 2025 16:57
 Operator : YP/AJ
 Sample : PB168324BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB168324BS

Integration File: autoint1.e
 Quant Time: Jun 10 02:35:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 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...	7.733	5669143	34.103 ug/ml
Spiked Amount 50.000		Recovery =	68.21%
6) S 2-Fluorobiphenyl (SURR)	8.599	3820043	33.393 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	66.79%
11) S ortho-Terphenyl (SURR)	11.645	5766961	28.731 ug/ml
Spiked Amount 50.000		Recovery =	57.46%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.526	3499901	21.997 ug/ml
2) T Naphthalene (C11.7)	6.069	4112843	23.424 ug/ml
3) T 2-Methylnaphthalene (...)	7.122	3979003	22.273 ug/ml
5) T Acenaphthylene (C15.06)	8.402	4730412	24.420 ug/ml
7) T Acenaphthene (C15.5)	8.698	4743954	24.940 ug/ml
8) T Fluorene (C16.55)	9.479	4948337	25.308 ug/ml
9) T Phenanthrene (C19.36)	10.878	5042655	26.521 ug/ml
10) T Anthracene (C19.43)	10.953	4835094	27.658 ug/ml
12) T Fluoranthene (C21.85)	12.694	5127373	28.426 ug/ml
13) T Pyrene (C20.8)	12.992	5142168	28.811 ug/ml
14) T Benzo[a]anthracene (C...	14.864	4698120	30.911 ug/ml
15) T Chrysene (C27.41)	14.908	5198728	34.235 ug/ml
16) T benzo[b]fluoranthene ...	16.416	4812910	33.250 ug/ml
17) T Bnezo[k]fluoranthene ...	16.450	4763515	33.195 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.796	4620605	33.997 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.161	4649880	36.404 ug/ml
20) T Dibenz[a,h]anthracene...	18.200	4146286	30.799 ug/ml
21) T Benzo[g,h,i]perylene ...	18.419	4491854	33.326 ug/ml

(f)=RT Delta > 1/2 Window

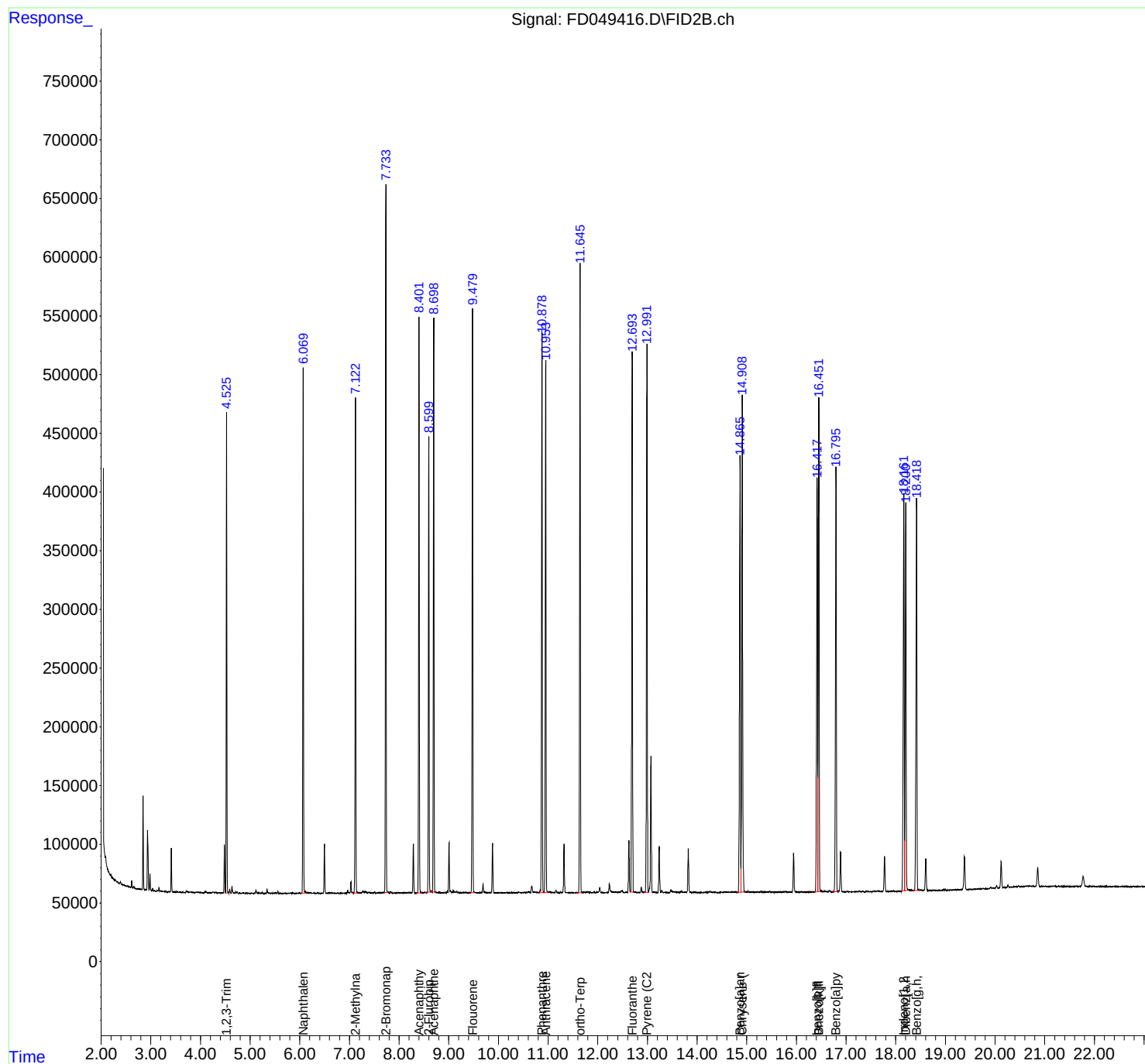
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049416.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 16:57
Operator : YP/AJ
Sample : PB168324BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168324BS

Integration File: autoint1.e
Quant Time: Jun 10 02:35:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
 Data File : FD049416.D
 Signal(s) : FID2B.ch
 Acq On : 09 Jun 2025 16:57
 Sample : PB168324BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.526	4.503	4.572	VV	409153	3499901	60.69%	3.542%
2	6.069	6.015	6.138	BB	446714	4112843	71.32%	4.163%
3	7.122	7.068	7.172	BB	420886	3979003	69.00%	4.027%
4	7.733	7.695	7.777	BB	602848	5669143	98.30%	5.738%
5	8.402	8.337	8.458	BB	490566	4730412	82.03%	4.788%
6	8.599	8.543	8.643	BB	386472	3820043	66.24%	3.866%
7	8.698	8.643	8.740	BB	488945	4743954	82.26%	4.802%
8	9.479	9.420	9.523	BB	498450	4948337	85.80%	5.008%
9	10.878	10.848	10.917	VV	476340	5042655	87.44%	5.104%
10	10.953	10.917	11.003	PB	453667	4835094	83.84%	4.894%
11	11.645	11.585	11.680	BB	535767	5766961	100.00%	5.837%
12	12.694	12.650	12.737	BB	459494	5127373	88.91%	5.190%
13	12.992	12.935	13.022	BV	467525	5142168	89.17%	5.205%
14	14.864	14.795	14.883	BV	373574	4698120	81.47%	4.755%
15	14.908	14.883	14.970	VB	423620	5198728	90.15%	5.262%
16	16.416	16.348	16.431	BV	353034	4812910	83.46%	4.871%
17	16.450	16.431	16.487	VB	418982	4763515	82.60%	4.821%
18	16.796	16.728	16.845	BB	362457	4620605	80.12%	4.677%
19	18.161	18.110	18.177	BV	338736	4649880	80.63%	4.706%
20	18.200	18.177	18.262	VB	330357	4146286	71.90%	4.197%
21	18.419	18.345	18.480	BB	333615	4491854	77.89%	4.546%
Sum of corrected areas:						98799785		

Aromatic EPH 052425.M Tue Jun 10 02:58:33 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069158.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jun 2025 17:15
 Operator : YP/AJ
 Sample : PB168408BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB168408BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e

Quant Time: Jun 12 06:04:38 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M

Quant Title : GC Extractables

QLast Update : Tue May 27 01:48:55 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.116	3406395	37.970 ug/ml
Spiked Amount 50.000		Recovery =	75.94%
Target Compounds			
1) T n-Nonane (C9)	3.406	2230358	21.017 ug/ml
2) T n-Decane (C10)	4.481	2689801	25.398 ug/ml
4) T n-Dodecane (C12)	6.507	2958624	28.145 ug/ml
6) T n-Tetradecane (C14)	8.306	3052905	29.783 ug/ml
7) T n-Hexadecane (C16)	9.911	3231344	31.846 ug/ml
8) T n-Octadecane (C18)	11.356	3268350	32.702 ug/ml
10) T n-Eicosane (C20)	12.669	3555843	36.508 ug/ml
11) T n-Heneicosane (C21)	13.283	3495201	36.313 ug/ml
13) T n-Docosane (C22)	13.870	3515122	36.897 ug/ml
14) T n-Tetracosane (C24)	14.975	3553253	37.739 ug/ml
15) T n-Hexacosane (C26)	15.999	3528040	38.001 ug/ml
16) T n-Octacosane (C28)	16.950	3538487	38.068 ug/ml
17) T n-Tricontane (C30)	17.841	3631105	37.528 ug/ml
18) T n-Dotriacontane (C32)	18.675	3683844	37.174 ug/ml
19) T n-Tetratriacontane (C34)	19.460	3707841	38.471 ug/ml
20) T n-Hexatriacontane (C36)	20.202	3584204	37.756 ug/ml
21) T n-Octatriacontane (C38)	20.972	3356685	36.792 ug/ml
22) T n-Tetracontane (C40)	21.937	2790032	31.621 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069158.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 17:15
Operator : YP/AJ
Sample : PB168408BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB168408BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e

Quant Time: Jun 12 06:04:38 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M

Quant Title : GC Extractables

QLast Update : Tue May 27 01:48:55 2025

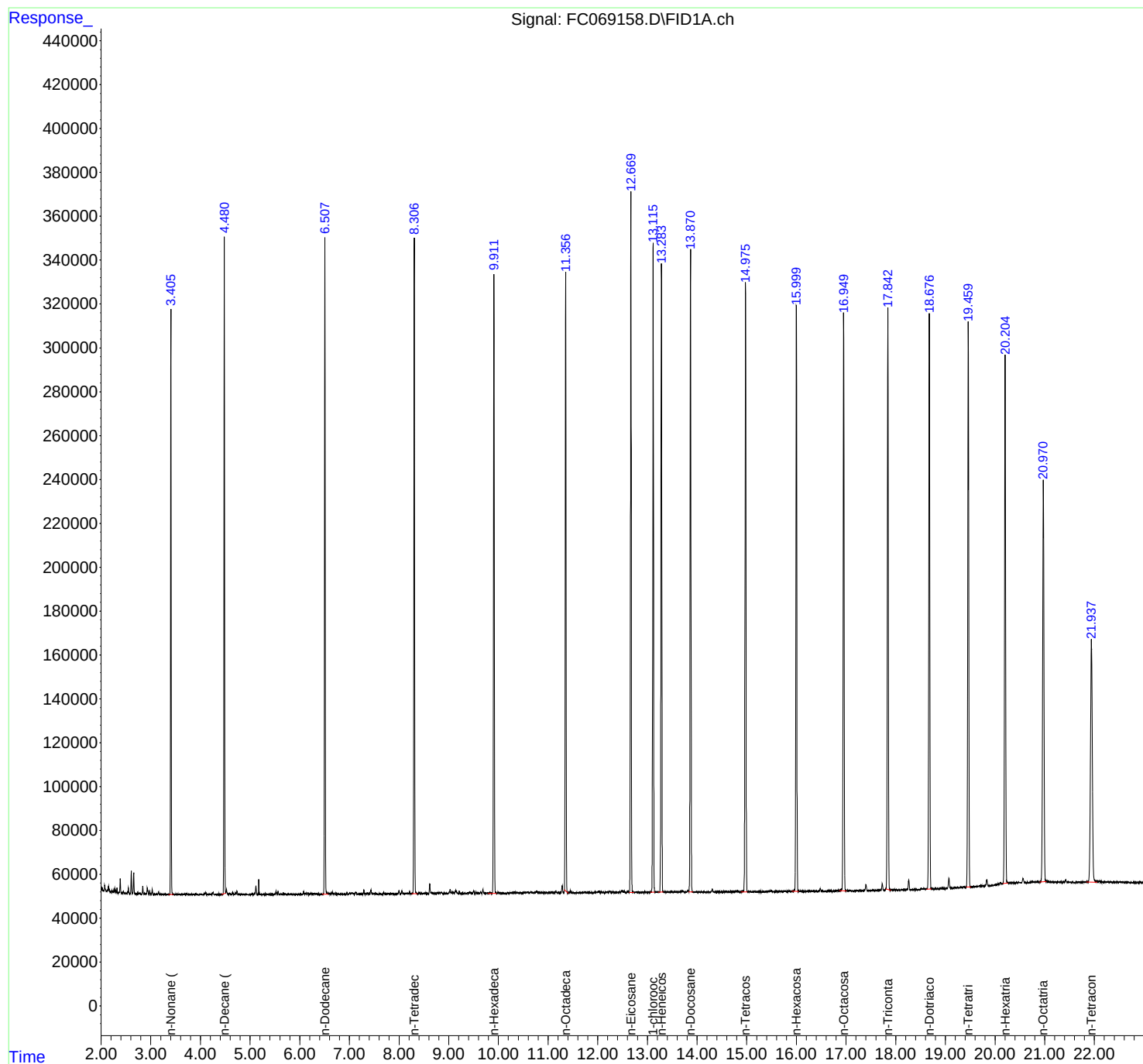
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



rteres

Instrument :

FID_C

ClientSampleId :

PB168408BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06112
 Data File : FC069158.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jun 2025 17:15
 Sample : PB168408BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.406	3.357	3.455	BB	266450	2230358	60.15%	3.558%
2	4.481	4.425	4.510	BV	299559	2689801	72.54%	4.291%
3	6.507	6.454	6.575	BV	299429	2958624	79.79%	4.720%
4	8.306	8.250	8.370	BB	299312	3052905	82.34%	4.870%
5	9.911	9.789	9.964	BB	282715	3231344	87.15%	5.155%
6	11.356	11.330	11.402	BB	281502	3268350	88.15%	5.214%
7	12.669	12.635	12.722	BB	319268	3555843	95.90%	5.673%
8	13.116	13.055	13.149	BB	295023	3406395	91.87%	5.434%
9	13.283	13.222	13.322	BB	287284	3495201	94.27%	5.576%
10	13.870	13.834	13.922	VB	293199	3515122	94.80%	5.608%
11	14.975	14.885	15.015	BB	276778	3553253	95.83%	5.669%
12	15.999	15.907	16.039	BB	266689	3528040	95.15%	5.628%
13	16.950	16.869	17.010	BB	262331	3538487	95.43%	5.645%
14	17.841	17.800	17.897	BB	260306	3631105	97.93%	5.793%
15	18.675	18.620	18.722	BB	261621	3683844	99.35%	5.877%
16	19.460	19.420	19.520	BB	255205	3707841	100.00%	5.915%
17	20.202	20.160	20.264	BB	238937	3584204	96.67%	5.718%
18	20.972	20.897	21.035	BB	180794	3356685	90.53%	5.355%
19	21.939	21.890	22.037	BB	108723	2695479	72.70%	4.300%
Sum of corrected areas:						62682879		

Aliphatic EPH 052425.M Thu Jun 12 06:57:39 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
 Data File : FD049433.D
 Signal(s) : FID2B.ch
 Acq On : 11 Jun 2025 17:15
 Operator : YP/AJ
 Sample : PB168408BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB168408BS

Integration File: autoint1.e
 Quant Time: Jun 12 04:59:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 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...	7.733	6082670	36.591 ug/ml
Spiked Amount 50.000		Recovery =	73.18%
6) S 2-Fluorobiphenyl (SURR)	8.599	4126519	36.072 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	72.14%
11) S ortho-Terphenyl (SURR)	11.645	6218341	30.980 ug/ml
Spiked Amount 50.000		Recovery =	61.96%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.525	3692267	23.207 ug/ml
2) T Naphthalene (C11.7)	6.069	4344617	24.744 ug/ml
3) T 2-Methylnaphthalene (...)	7.123	4264479	23.871 ug/ml
5) T Acenaphthylene (C15.06)	8.402	5052028	26.080 ug/ml
7) T Acenaphthene (C15.5)	8.698	5074718	26.679 ug/ml
8) T Fluorene (C16.55)	9.480	5343699	27.331 ug/ml
9) T Phenanthrene (C19.36)	10.879	5496426	28.907 ug/ml
10) T Anthracene (C19.43)	10.954	5281115	30.209 ug/ml
12) T Fluoranthene (C21.85)	12.694	5534313	30.682 ug/ml
13) T Pyrene (C20.8)	12.992	5531498	30.992 ug/ml
14) T Benzo[a]anthracene (C...	14.863	5125382	33.722 ug/ml
15) T Chrysene (C27.41)	14.907	5659378	37.268 ug/ml
16) T benzo[b]fluoranthene ...	16.415	5140483	35.514 ug/ml
17) T Bnezo[k]fluoranthene ...	16.450	5082863	35.421 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.795	4906573	36.101 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.160	4985230	39.029 ug/ml
20) T Dibenz[a,h]anthracene...	18.199	4577074	33.999 ug/ml
21) T Benzo[g,h,i]perylene ...	18.417	4762929	35.337 ug/ml

(f)=RT Delta > 1/2 Window

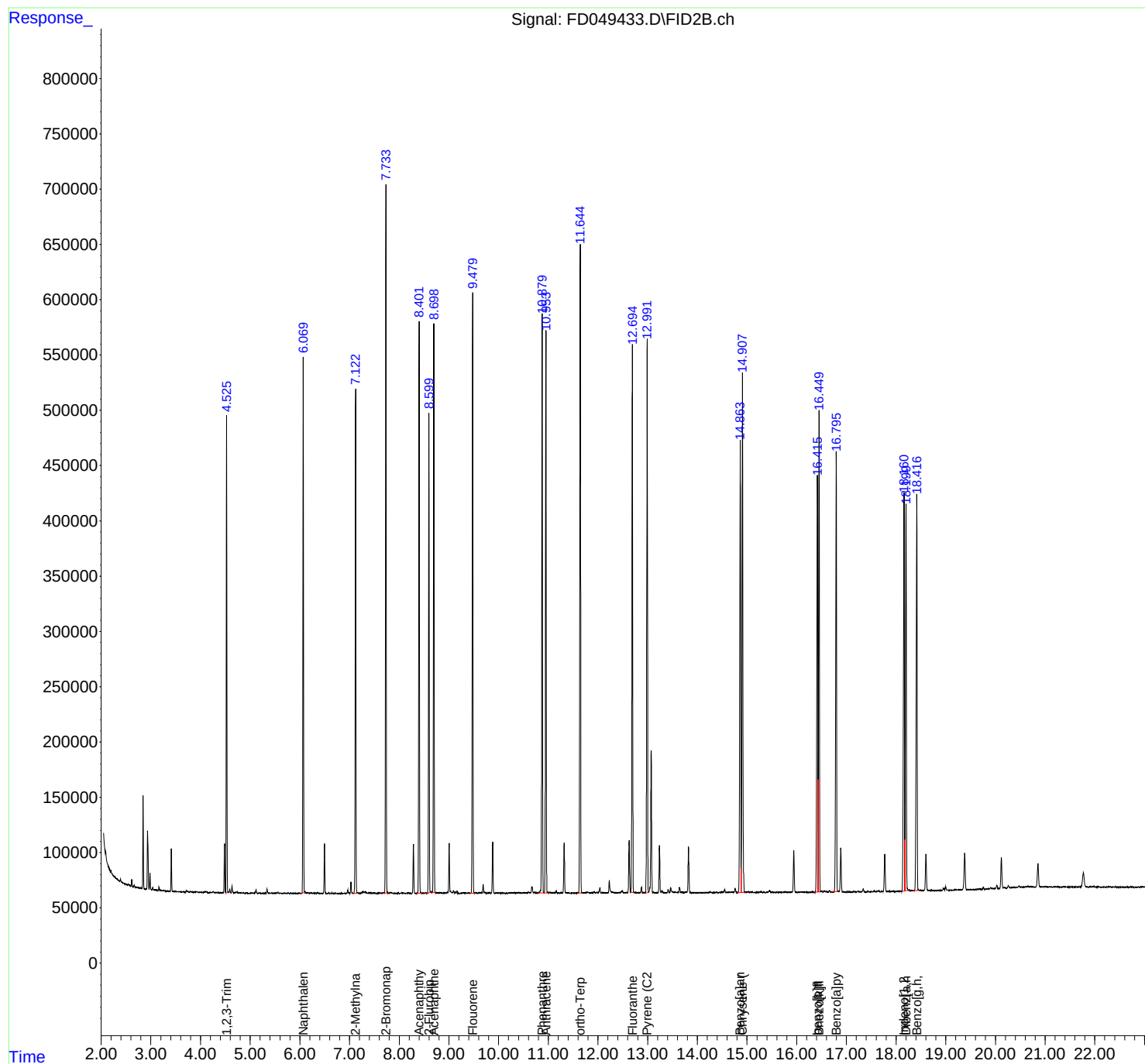
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
Data File : FD049433.D
Signal(s) : FID2B.ch
Acq On : 11 Jun 2025 17:15
Operator : YP/AJ
Sample : PB168408BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168408BS

Integration File: autoint1.e
Quant Time: Jun 12 04:59:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
 Data File : FD049433.D
 Signal(s) : FID2B.ch
 Acq On : 11 Jun 2025 17:15
 Sample : PB168408BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.525	4.504	4.572	VV	431366	3692267	59.38%	3.474%
2	6.069	6.015	6.109	BB	483944	4344617	69.87%	4.088%
3	7.123	7.069	7.169	BB	455183	4264479	68.58%	4.012%
4	7.733	7.647	7.784	BB	640353	6082670	97.82%	5.723%
5	8.402	8.349	8.455	BB	517364	5052028	81.24%	4.753%
6	8.599	8.540	8.634	BB	432709	4126519	66.36%	3.883%
7	8.698	8.644	8.737	BB	515225	5074718	81.61%	4.775%
8	9.480	9.424	9.530	BB	543147	5343699	85.93%	5.028%
9	10.879	10.780	10.917	BV	524200	5496426	88.39%	5.172%
10	10.954	10.917	11.004	PB	508824	5281115	84.93%	4.969%
11	11.645	11.582	11.692	BB	587385	6218341	100.00%	5.851%
12	12.694	12.650	12.725	BB	495827	5534313	89.00%	5.207%
13	12.992	12.930	13.017	BV	501509	5531498	88.95%	5.205%
14	14.863	14.802	14.882	BV	409665	5125382	82.42%	4.822%
15	14.907	14.882	14.967	VB	470270	5659378	91.01%	5.325%
16	16.415	16.345	16.430	BV	376758	5140483	82.67%	4.837%
17	16.450	16.430	16.481	VB	433953	5082863	81.74%	4.782%
18	16.795	16.687	16.839	BB	398663	4906573	78.90%	4.617%
19	18.160	18.110	18.176	BV	359869	4985230	80.17%	4.691%
20	18.199	18.176	18.250	VB	348557	4577074	73.61%	4.307%
21	18.417	18.344	18.474	BB	358730	4762929	76.59%	4.481%
Sum of corrected areas:						106282602		

Aromatic EPH 052425.M Thu Jun 12 05:40:16 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
 Data File : FC069136.D
 Signal(s) : FID1A.ch
 Acq On : 09 Jun 2025 17:37
 Operator : YP/AJ
 Sample : PB168324BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB168324BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e

Quant Time: Jun 10 05:24:09 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M

Quant Title : GC Extractables

Qlast Update : Tue May 27 01:48:55 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.114	3493029	38.935 ug/ml
Spiked Amount 50.000		Recovery =	77.87%
Target Compounds			
1) T n-Nonane (C9)	3.401	2327293	21.930 ug/ml
2) T n-Decane (C10)	4.476	2813430	26.565 ug/ml
4) T n-Dodecane (C12)	6.502	3093089	29.424 ug/ml
6) T n-Tetradecane (C14)	8.302	3187020	31.092 ug/ml
7) T n-Hexadecane (C16)	9.908	3360821	33.122 ug/ml
8) T n-Octadecane (C18)	11.352	3424204	34.261 ug/mlm
10) T n-Eicosane (C20)	12.668	3665722	37.637 ug/ml
11) T n-Heneicosane (C21)	13.281	3589570	37.293 ug/ml
13) T n-Docosane (C22)	13.869	3602528	37.814 ug/ml
14) T n-Tetracosane (C24)	14.974	3622735	38.477 ug/ml
15) T n-Hexacosane (C26)	15.997	3574251	38.498 ug/ml
16) T n-Octacosane (C28)	16.949	3545854	38.147 ug/ml
17) T n-Tricontane (C30)	17.839	3586320	37.065 ug/ml
18) T n-Dotriacontane (C32)	18.673	3613612	36.465 ug/ml
19) T n-Tetratriacontane (C34)	19.460	3648561	37.856 ug/ml
20) T n-Hexatriacontane (C36)	20.202	3586181	37.777 ug/ml
21) T n-Octatriacontane (C38)	20.973	3483420	38.181 ug/ml
22) T n-Tetracontane (C40)	21.942	3122908	35.393 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069136.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 17:37
Operator : YP/AJ
Sample : PB168324BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB168324BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e

Quant Time: Jun 10 05:24:09 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M

Quant Title : GC Extractables

QLast Update : Tue May 27 01:48:55 2025

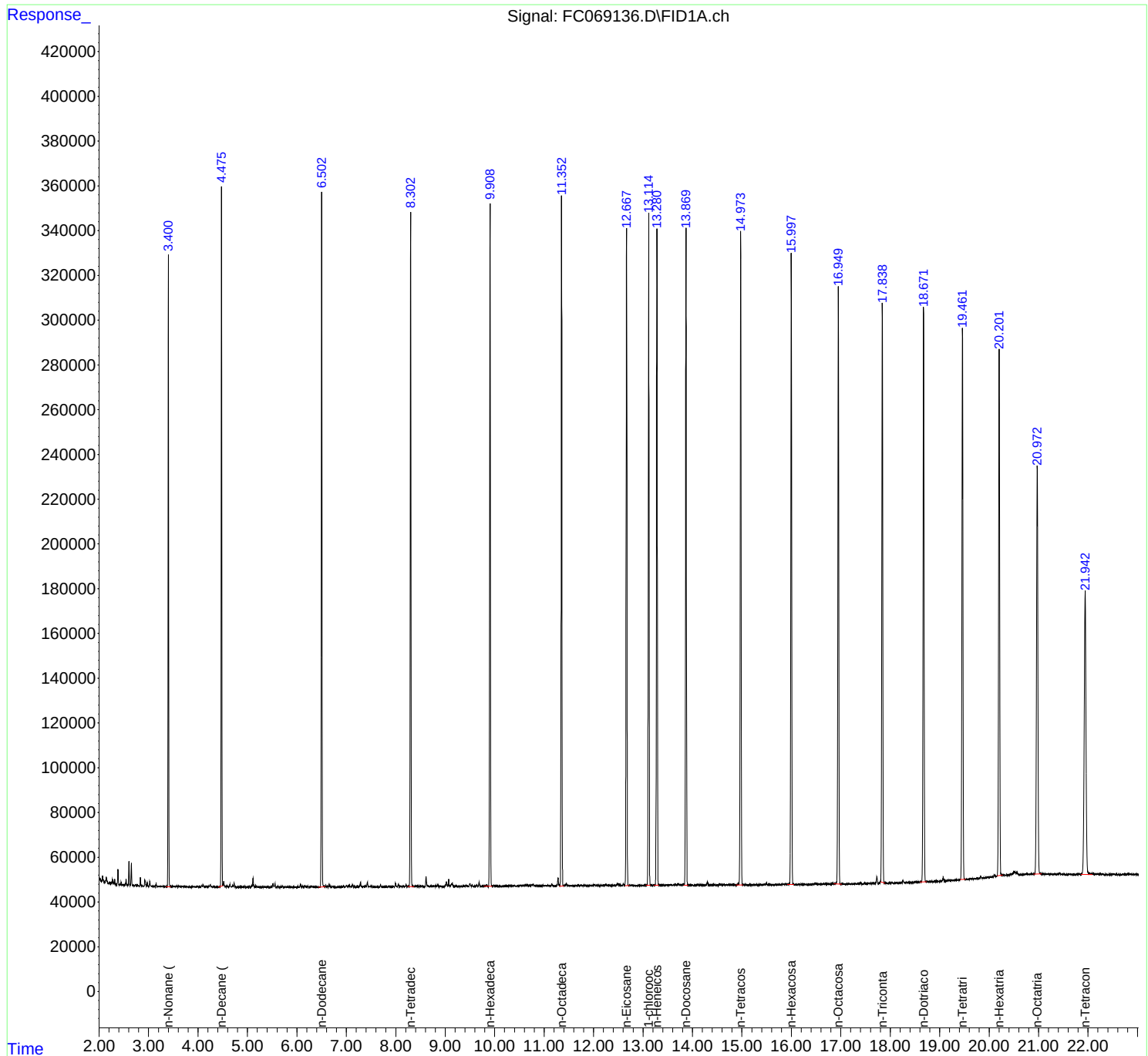
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



rteres

Instrument :

FID_C

ClientSampleId :

PB168324BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06092
 Data File : FC069136.D
 Signal(s) : FID1A.ch
 Acq On : 09 Jun 2025 17:37
 Sample : PB168324BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.401	3.350	3.442	BB	281841	2327293	63.49%	3.628%
2	4.476	4.420	4.505	BV	312351	2813430	76.75%	4.386%
3	6.502	6.438	6.570	BB	310472	3093089	84.38%	4.822%
4	8.302	8.247	8.367	BB	301374	3187020	86.94%	4.968%
5	9.908	9.787	9.955	BB	305496	3360821	91.68%	5.239%
6	11.353	11.330	11.392	BB	302141	3341075	91.14%	5.208%
7	12.668	12.630	12.722	PB	294857	3665722	100.00%	5.714%
8	13.114	13.055	13.153	BB	301455	3493029	95.29%	5.445%
9	13.281	13.218	13.318	BB	293906	3589570	97.92%	5.596%
10	13.869	13.831	13.913	VB	292257	3602528	98.28%	5.616%
11	14.974	14.880	15.018	BB	292026	3622735	98.83%	5.647%
12	15.997	15.915	16.057	BB	281923	3574251	97.50%	5.572%
13	16.949	16.865	17.013	BB	266529	3545854	96.73%	5.527%
14	17.839	17.800	17.897	BB	258501	3586320	97.83%	5.590%
15	18.673	18.598	18.728	BB	252605	3613612	98.58%	5.633%
16	19.460	19.420	19.520	BB	246067	3648561	99.53%	5.688%
17	20.202	20.160	20.268	BB	234644	3586181	97.83%	5.590%
18	20.973	20.893	21.055	BB	181895	3483420	95.03%	5.430%
19	21.942	21.890	22.040	BB	125617	3015844	82.27%	4.701%
Sum of corrected areas:						64150354		

Aliphatic EPH 052425.M Tue Jun 10 06:18:36 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
 Data File : FD049417.D
 Signal(s) : FID2B.ch
 Acq On : 09 Jun 2025 17:37
 Operator : YP/AJ
 Sample : PB168324BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB168324BSD

Integration File: autoint1.e
 Quant Time: Jun 10 02:35:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 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...	7.733	5235013	31.492 ug/ml
Spiked Amount 50.000		Recovery =	62.98%
6) S 2-Fluorobiphenyl (SURR)	8.598	3547472	31.010 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	62.02%
11) S ortho-Terphenyl (SURR)	11.644	5354384	26.676 ug/ml
Spiked Amount 50.000		Recovery =	53.35%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.525	3225620	20.274 ug/ml
2) T Naphthalene (C11.7)	6.067	3770705	21.475 ug/ml
3) T 2-Methylnaphthalene (...)	7.121	3683509	20.619 ug/ml
5) T Acenaphthylene (C15.06)	8.401	4361706	22.516 ug/ml
7) T Acenaphthene (C15.5)	8.697	4385346	23.054 ug/ml
8) T Fluorene (C16.55)	9.479	4596241	23.508 ug/ml
9) T Phenanthrene (C19.36)	10.878	4729941	24.876 ug/ml
10) T Anthracene (C19.43)	10.953	4554391	26.052 ug/ml
12) T Fluoranthene (C21.85)	12.693	4803640	26.631 ug/ml
13) T Pyrene (C20.8)	12.991	4810183	26.951 ug/ml
14) T Benzo[a]anthracene (C...	14.863	4485779	29.514 ug/ml
15) T Chrysene (C27.41)	14.907	4951080	32.604 ug/ml
16) T benzo[b]fluoranthene ...	16.416	4552141	31.449 ug/ml
17) T Bnezo[k]fluoranthene ...	16.450	4524513	31.530 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.796	4380687	32.231 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.162	4507749	35.291 ug/ml
20) T Dibenz[a,h]anthracene...	18.200	4143409	30.777 ug/ml
21) T Benzo[g,h,i]perylene ...	18.418	4294233	31.860 ug/ml

(f)=RT Delta > 1/2 Window

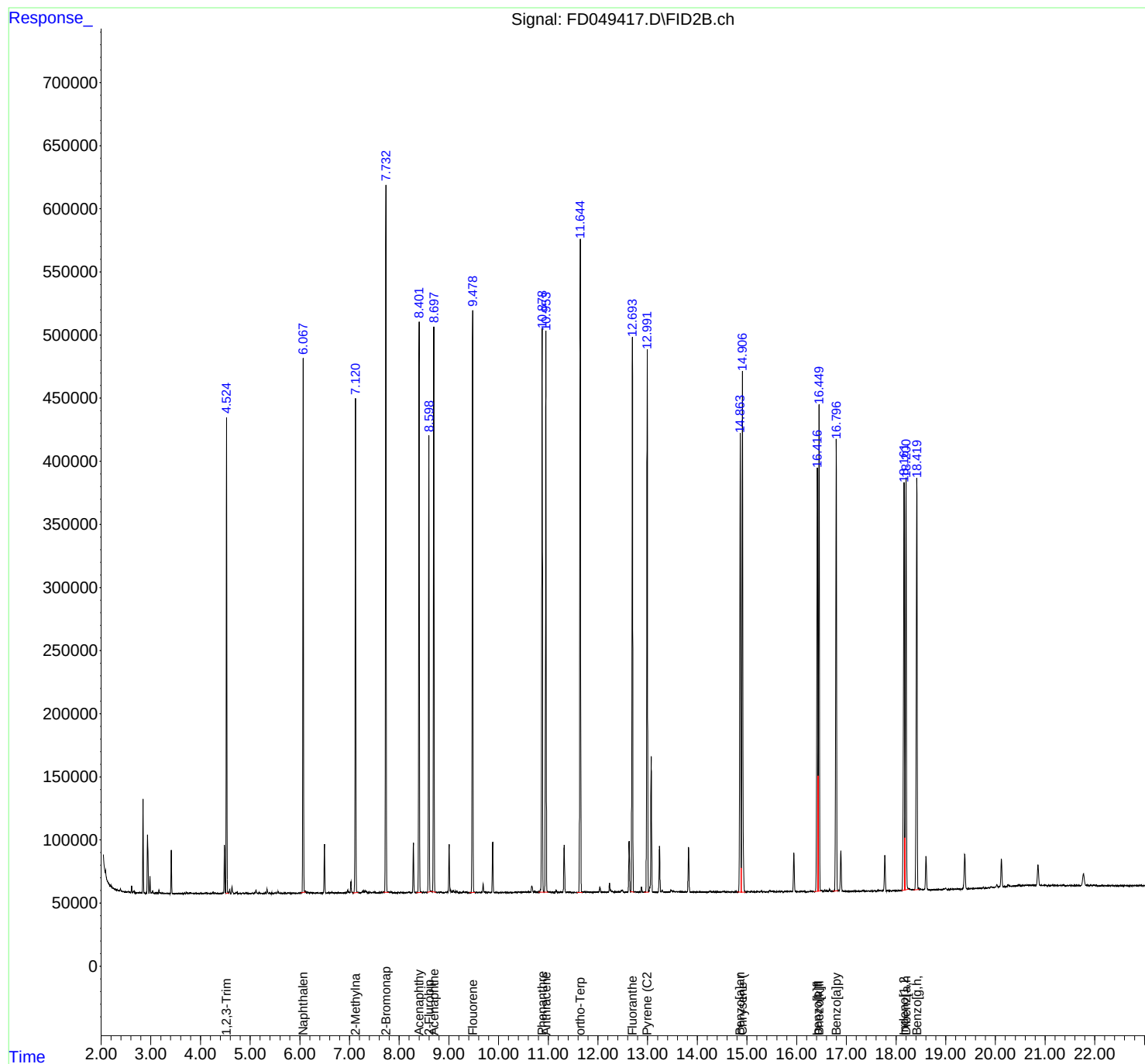
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049417.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 17:37
Operator : YP/AJ
Sample : PB168324BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168324BSD

Integration File: autoint1.e
Quant Time: Jun 10 02:35:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
 Data File : FD049417.D
 Signal(s) : FID2B.ch
 Acq On : 09 Jun 2025 17:37
 Sample : PB168324BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.525	4.503	4.570	VV	377100	3225620	60.24%	3.472%
2	6.067	6.015	6.117	BB	422456	3770705	70.42%	4.059%
3	7.121	7.068	7.173	BB	390047	3683509	68.79%	3.965%
4	7.733	7.680	7.787	BB	558343	5235013	97.77%	5.635%
5	8.401	8.348	8.450	BB	451894	4361706	81.46%	4.695%
6	8.598	8.563	8.642	BB	361515	3547472	66.25%	3.819%
7	8.697	8.647	8.742	BB	448124	4385346	81.90%	4.721%
8	9.479	9.418	9.523	BB	459863	4596241	85.84%	4.948%
9	10.878	10.802	10.917	BV	448399	4729941	88.34%	5.092%
10	10.953	10.917	10.995	PB	444611	4554391	85.06%	4.903%
11	11.644	11.575	11.692	BB	516473	5354384	100.00%	5.764%
12	12.693	12.650	12.725	BB	438187	4803640	89.71%	5.171%
13	12.991	12.930	13.019	BV	431776	4810183	89.84%	5.178%
14	14.863	14.803	14.883	BV	363464	4485779	83.78%	4.829%
15	14.907	14.883	14.972	VB	412841	4951080	92.47%	5.330%
16	16.416	16.348	16.431	BV	335577	4552141	85.02%	4.900%
17	16.450	16.431	16.487	VV	385449	4524513	84.50%	4.870%
18	16.796	16.732	16.838	BB	358592	4380687	81.81%	4.716%
19	18.162	18.110	18.178	BV	322941	4507749	84.19%	4.852%
20	18.200	18.178	18.262	VB	325556	4143409	77.38%	4.460%
21	18.418	18.345	18.472	BB	325147	4294233	80.20%	4.623%
Sum of corrected areas:							92897744	

Aromatic EPH 052425.M Tue Jun 10 02:59:18 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069159.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jun 2025 17:57
 Operator : YP/AJ
 Sample : PB168408BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB168408BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e

Quant Time: Jun 12 06:04:56 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M

Quant Title : GC Extractables

QLast Update : Tue May 27 01:48:55 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.115	3465185	38.625 ug/ml
Spiked Amount 50.000		Recovery =	77.25%
Target Compounds			
1) T n-Nonane (C9)	3.406	2259686	21.293 ug/ml
2) T n-Decane (C10)	4.480	2725623	25.736 ug/ml
4) T n-Dodecane (C12)	6.506	3002002	28.557 ug/ml
6) T n-Tetradecane (C14)	8.305	3089908	30.144 ug/ml
7) T n-Hexadecane (C16)	9.910	3261116	32.140 ug/ml
8) T n-Octadecane (C18)	11.355	3332929	33.348 ug/mlm
10) T n-Eicosane (C20)	12.668	3588430	36.843 ug/ml
11) T n-Heneicosane (C21)	13.282	3526278	36.636 ug/ml
13) T n-Docosane (C22)	13.869	3548367	37.246 ug/ml
14) T n-Tetracosane (C24)	14.974	3595477	38.188 ug/ml
15) T n-Hexacosane (C26)	15.999	3569762	38.450 ug/ml
16) T n-Octacosane (C28)	16.950	3570341	38.410 ug/ml
17) T n-Tricontane (C30)	17.840	3651998	37.744 ug/ml
18) T n-Dotriacontane (C32)	18.674	3697035	37.307 ug/ml
19) T n-Tetratriacontane (C34)	19.461	3735390	38.757 ug/ml
20) T n-Hexatriacontane (C36)	20.202	3662913	38.586 ug/ml
21) T n-Octatriacontane (C38)	20.972	3539927	38.800 ug/ml
22) T n-Tetracontane (C40)	21.941	3141718	35.606 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069159.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 17:57
Operator : YP/AJ
Sample : PB168408BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

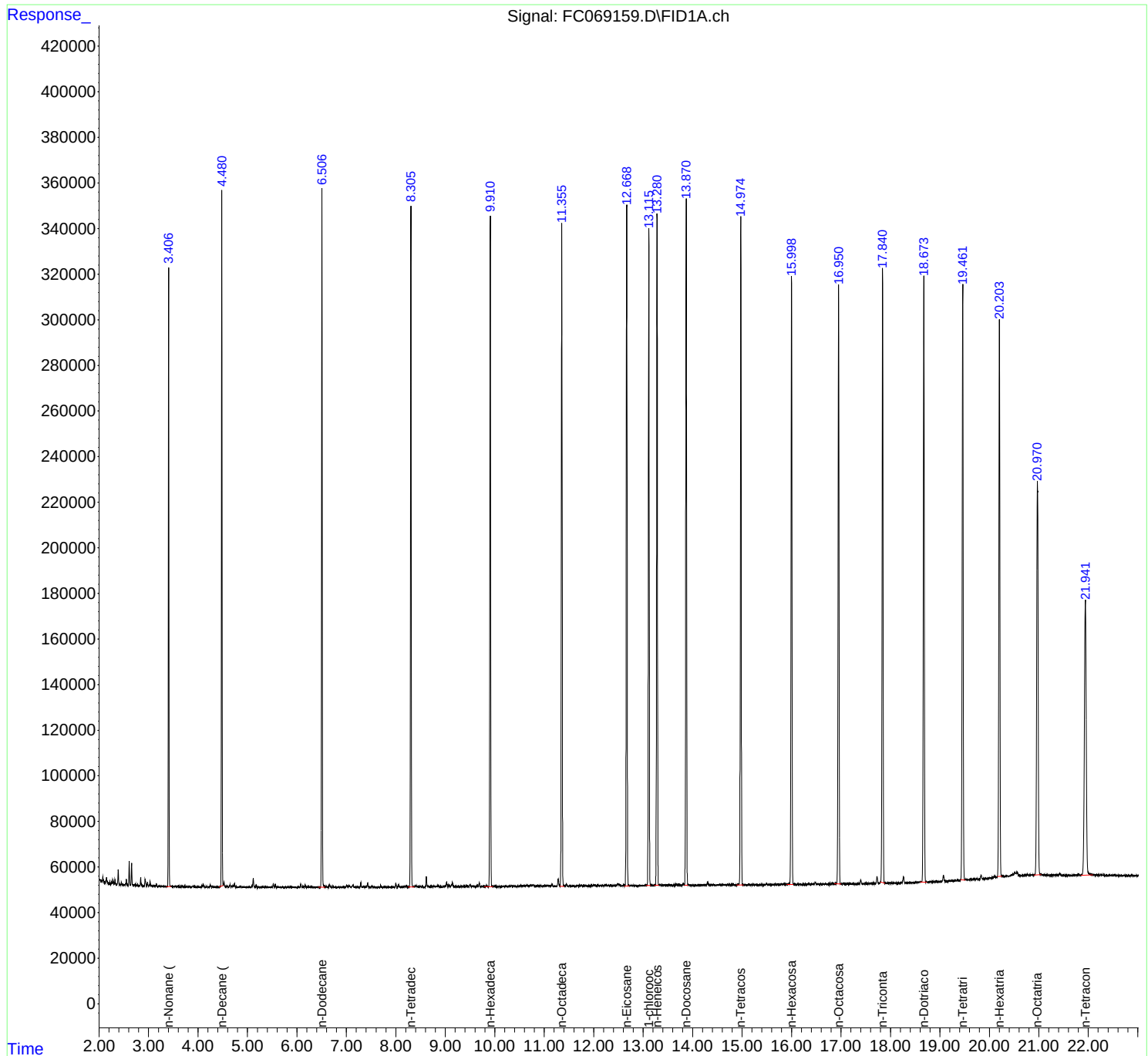
Instrument :
FID_C
ClientSampleId :
PB168408BSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/12/2025
Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e
Quant Time: Jun 12 06:04:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_C

ClientSampleId :

PB168408BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06112
 Data File : FC069159.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jun 2025 17:57
 Sample : PB168408BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.406	3.355	3.457	BB	270640	2259686	60.49%	3.543%
2	4.480	4.425	4.510	BV	304688	2725623	72.97%	4.274%
3	6.506	6.442	6.573	BB	306860	3002002	80.37%	4.707%
4	8.305	8.252	8.368	BB	298267	3089908	82.72%	4.845%
5	9.910	9.788	9.963	BB	294226	3261116	87.30%	5.113%
6	11.355	11.330	11.402	BB	289391	3274806	87.67%	5.135%
7	12.668	12.627	12.720	PB	300038	3588430	96.07%	5.627%
8	13.115	13.055	13.150	BB	287842	3465185	92.77%	5.433%
9	13.282	13.223	13.320	BB	292085	3526278	94.40%	5.529%
10	13.869	13.831	13.908	PB	303197	3548367	94.99%	5.564%
11	14.974	14.885	15.030	BB	293241	3595477	96.25%	5.638%
12	15.999	15.905	16.037	BB	267266	3569762	95.57%	5.597%
13	16.950	16.865	17.005	BB	262631	3570341	95.58%	5.598%
14	17.840	17.800	17.895	BB	269117	3651998	97.77%	5.726%
15	18.674	18.598	18.737	BB	265201	3697035	98.97%	5.797%
16	19.461	19.420	19.508	BB	260286	3735390	100.00%	5.857%
17	20.202	20.160	20.258	BB	242842	3662913	98.06%	5.743%
18	20.972	20.895	21.048	BB	170513	3539927	94.77%	5.550%
19	21.941	21.890	22.048	BB	118535	3012966	80.66%	4.724%
Sum of corrected areas:						63777209		

Aliphatic EPH 052425.M Thu Jun 12 06:58:19 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
 Data File : FD049434.D
 Signal(s) : FID2B.ch
 Acq On : 11 Jun 2025 17:57
 Operator : YP/AJ
 Sample : PB168408BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB168408BSD

Integration File: autoint1.e
 Quant Time: Jun 12 04:59:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 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

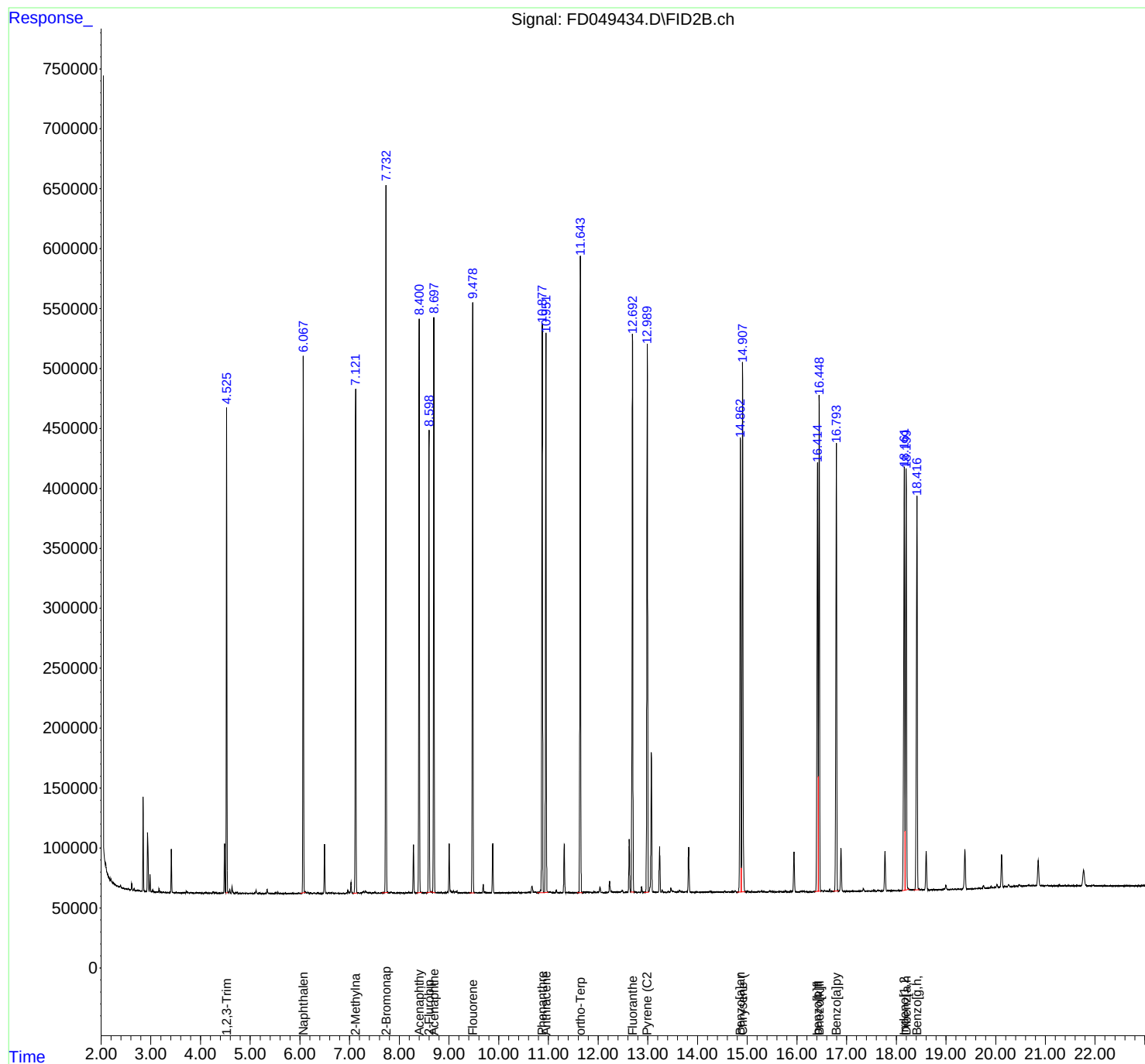
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.732	5575880	33.542 ug/ml
Spiked Amount 50.000		Recovery =	67.08%
6) S 2-Fluorobiphenyl (SURR)	8.598	3792496	33.152 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	66.30%
11) S ortho-Terphenyl (SURR)	11.643	5678306	28.290 ug/ml
Spiked Amount 50.000		Recovery =	56.58%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.525	3411733	21.443 ug/ml
2) T Naphthalene (C11.7)	6.068	4008193	22.828 ug/ml
3) T 2-Methylnaphthalene (...)	7.122	3923959	21.965 ug/ml
5) T Acenaphthylene (C15.06)	8.401	4615942	23.829 ug/ml
7) T Acenaphthene (C15.5)	8.697	4650906	24.451 ug/ml
8) T Fluorene (C16.55)	9.478	4894839	25.035 ug/ml
9) T Phenanthrene (C19.36)	10.877	5044883	26.532 ug/ml
10) T Anthracene (C19.43)	10.952	4860253	27.801 ug/ml
12) T Fluoranthene (C21.85)	12.692	5099467	28.271 ug/ml
13) T Pyrene (C20.8)	12.990	5104528	28.600 ug/ml
14) T Benzo[a]anthracene (C...	14.863	4803591	31.605 ug/ml
15) T Chrysene (C27.41)	14.906	5280312	34.772 ug/ml
16) T benzo[b]fluoranthene ...	16.414	4810805	33.236 ug/ml
17) T Bnezo[k]fluoranthene ...	16.449	4785489	33.348 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.794	4627157	34.045 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.161	4768815	37.335 ug/ml
20) T Dibenz[a,h]anthracene...	18.199	4476908	33.255 ug/ml
21) T Benzo[g,h,i]perylene ...	18.416	4514892	33.497 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Instrument :
FID_D
ClientSampleId :
PB168408BSD

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\FD061225AR\
 Data File : FD049434.D
 Signal(s) : FID2B.ch
 Acq On : 11 Jun 2025 17:57
 Sample : PB168408BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.525	4.503	4.551	VV	404430	3411733	60.08%	3.456%
2	6.068	6.012	6.107	BB	447788	4008193	70.59%	4.060%
3	7.122	7.070	7.160	BB	420101	3923959	69.10%	3.974%
4	7.732	7.645	7.778	BB	588507	5575880	98.20%	5.648%
5	8.401	8.350	8.443	BB	479001	4615942	81.29%	4.675%
6	8.598	8.538	8.640	BB	385737	3792496	66.79%	3.841%
7	8.697	8.647	8.727	BB	479926	4650906	81.91%	4.711%
8	9.478	9.417	9.513	BB	491510	4894839	86.20%	4.958%
9	10.877	10.778	10.915	BV	474293	5044883	88.84%	5.110%
10	10.952	10.915	10.998	PB	466393	4860253	85.59%	4.923%
11	11.643	11.582	11.688	BB	531375	5678306	100.00%	5.751%
12	12.692	12.650	12.732	BB	464799	5099467	89.81%	5.165%
13	12.990	12.932	13.015	BV	457377	5104528	89.90%	5.170%
14	14.863	14.797	14.882	BV	378192	4803591	84.60%	4.865%
15	14.906	14.882	14.963	VB	441990	5280312	92.99%	5.348%
16	16.414	16.350	16.429	BV	357432	4810805	84.72%	4.873%
17	16.449	16.429	16.483	VB	413478	4785489	84.28%	4.847%
18	16.794	16.732	16.837	BB	373242	4627157	81.49%	4.687%
19	18.161	18.110	18.176	BV	352299	4768815	83.98%	4.830%
20	18.199	18.176	18.255	VB	352003	4476908	78.84%	4.535%
21	18.416	18.352	18.465	BB	328881	4514892	79.51%	4.573%
Sum of corrected areas:						98729354		

Aromatic EPH 052425.M Thu Jun 12 05:41:18 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069165.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jun 2025 22:09
 Operator : YP/AJ
 Sample : Q2177-02MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 B-187-SB01MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/12/2025
 Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e
 Quant Time: Jun 12 06:06:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.118	6218026	69.309 ug/ml
Spiked Amount 50.000		Recovery =	138.62%
Target Compounds			
1) T n-Nonane (C9)	3.404	2188921	20.626 ug/ml
2) T n-Decane (C10)	4.479	2684592	25.349 ug/mlm
4) T n-Dodecane (C12)	6.507	3278980	31.192 ug/ml
6) T n-Tetradecane (C14)	8.308	3646211	35.572 ug/ml
7) T n-Hexadecane (C16)	9.912	3471433	34.212 ug/ml
8) T n-Octadecane (C18)	11.357	3441548	34.435 ug/ml
10) T n-Eicosane (C20)	12.669	3494770	35.881 ug/ml
11) T n-Heneicosane (C21)	13.283	3333560	34.633 ug/ml
13) T n-Docosane (C22)	13.869	3315435	34.801 ug/ml
14) T n-Tetracosane (C24)	14.975	3310877	35.165 ug/ml
15) T n-Hexacosane (C26)	15.998	3253315	35.042 ug/ml
16) T n-Octacosane (C28)	16.950	3224546	34.690 ug/ml
17) T n-Tricontane (C30)	17.839	3233820	33.422 ug/ml
18) T n-Dotriacontane (C32)	18.673	3264137	32.938 ug/ml
19) T n-Tetratriacontane (C34)	19.459	3307215	34.315 ug/ml
20) T n-Hexatriacontane (C36)	20.201	3214033	33.857 ug/ml
21) T n-Octatriacontane (C38)	20.969	3075733	33.712 ug/ml
22) T n-Tetracontane (C40)	21.936	2660293	30.150 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069165.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 22:09
Operator : YP/AJ
Sample : Q2177-02MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

B-187-SB01MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e

Quant Time: Jun 12 06:06:34 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M

Quant Title : GC Extractables

QLast Update : Tue May 27 01:48:55 2025

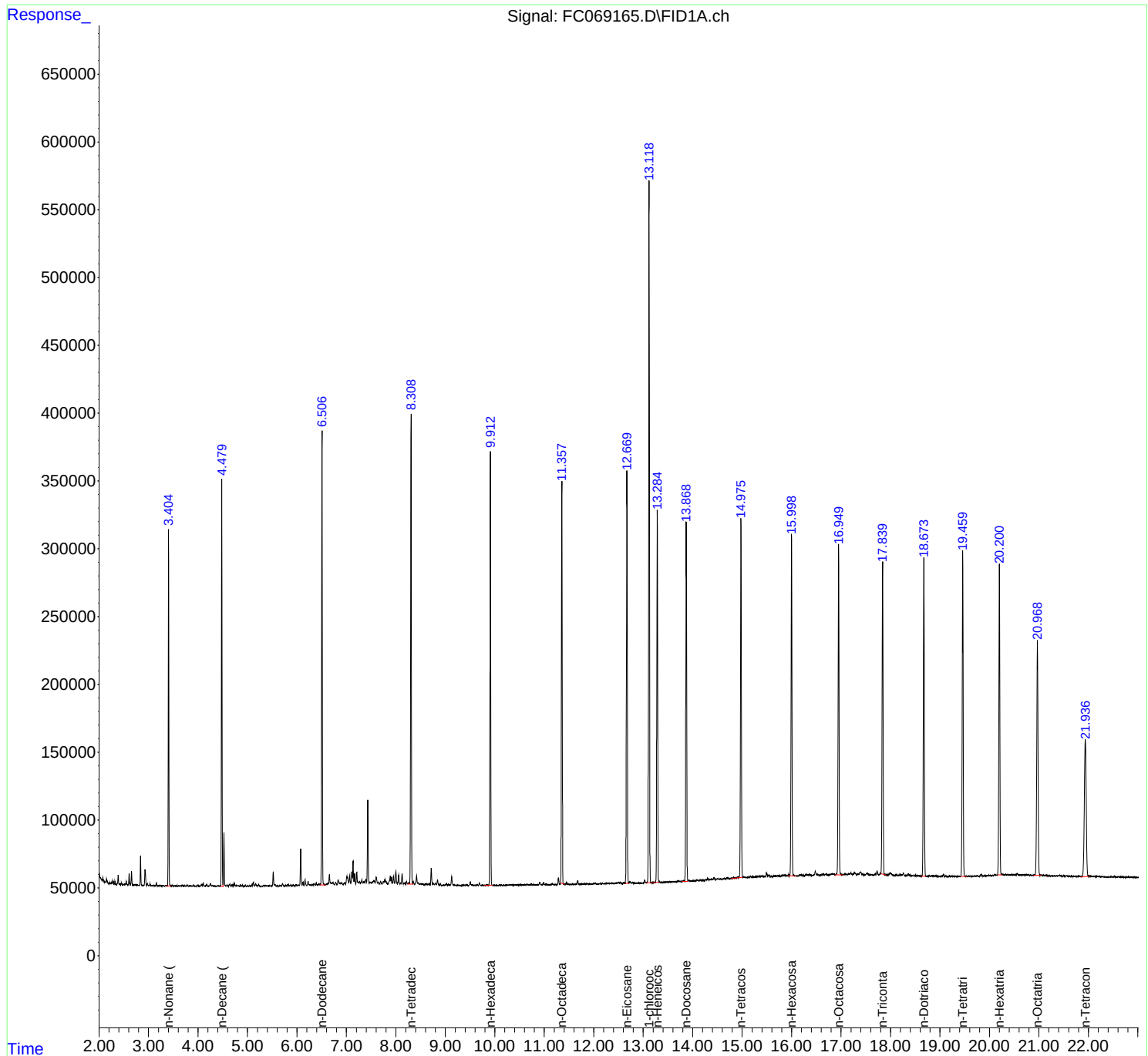
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID_C

ClientSampleId :

B-187-SB01MS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06112
 Data File : FC069165.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jun 2025 22:09
 Sample : Q2177-02MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.229	3.204	3.274	BV	192	3866	0.06%	0.004%
2	3.297	3.274	3.322	VV	207	2307	0.04%	0.003%
3	3.331	3.322	3.371	PV	80	1417	0.02%	0.002%
4	3.404	3.371	3.511	VV	262390	2198132	35.07%	2.533%
5	3.534	3.511	3.571	VV	277	5207	0.08%	0.006%
6	3.608	3.571	3.632	VV	406	6389	0.10%	0.007%
7	3.683	3.632	3.704	PV	646	12875	0.21%	0.015%
8	3.733	3.704	3.757	VV	588	9256	0.15%	0.011%
9	3.782	3.757	3.832	VV	876	15252	0.24%	0.018%
10	3.851	3.832	3.871	VV	328	5095	0.08%	0.006%
11	3.878	3.871	3.888	VV	122	1047	0.02%	0.001%
12	3.904	3.888	3.942	VV	747	10848	0.17%	0.012%
13	3.954	3.942	3.968	VV	234	2047	0.03%	0.002%
14	3.991	3.968	4.041	VV	662	14329	0.23%	0.017%
15	4.078	4.041	4.092	VV	1751	22085	0.35%	0.025%
16	4.107	4.092	4.126	VV	2388	22447	0.36%	0.026%
17	4.141	4.126	4.155	VV	475	5291	0.08%	0.006%
18	4.175	4.155	4.198	VV	1723	17515	0.28%	0.020%
19	4.247	4.198	4.275	VV	1361	27156	0.43%	0.031%
20	4.288	4.275	4.366	VV	605	14526	0.23%	0.017%
21	4.398	4.366	4.414	PV	399	6587	0.11%	0.008%
22	4.434	4.414	4.450	VV	413	5121	0.08%	0.006%
23	4.480	4.450	4.505	VV	300087	2683790	42.82%	3.092%
24	4.524	4.505	4.568	VV	39526	359419	5.73%	0.414%
25	4.586	4.568	4.613	VV	1205	16785	0.27%	0.019%
26	4.634	4.613	4.670	VV	1532	30047	0.48%	0.035%
27	4.684	4.670	4.693	VV	723	7816	0.12%	0.009%
28	4.706	4.693	4.721	VV	1150	12210	0.19%	0.014%
29	4.735	4.721	4.753	VV	2673	24726	0.39%	0.028%
30	4.767	4.753	4.779	VV	1002	10081	0.16%	0.012%
31	4.789	4.779	4.805	VV	734	8980	0.14%	0.010%
32	4.814	4.805	4.828	VV	570	5480	0.09%	0.006%
33	4.856	4.828	4.874	VV	830	11835	0.19%	0.014%
34	4.897	4.874	4.917	VV	755	10730	0.17%	0.012%
35	4.931	4.917	4.948	VV	314	4680	0.07%	0.005%
36	4.960	4.948	4.982	VV	711	7467	0.12%	0.009%

Instrument : FID_C									
ClientSampleId : B-187-SB01MS									
Manual IntegrationsAPPROVED									
Reviewed By :Yogesh Patel 06/12/2025									
Supervised By :mohammad ahmed 06/13/2025									
					rtures				
37	5.005	4.982	5.020	VV	372	5098	0.08%	0.006%	A
38	5.038	5.020	5.068	VV	530	8334			B
39	5.092	5.068	5.103	VV	1696	16751			C
40	5.120	5.103	5.143	VV	3184	38049			D
41	5.162	5.143	5.191	VV	1887	26955			E
42	5.225	5.191	5.267	VV	1731	26709			F
43	5.280	5.267	5.300	PV	200	3284	0.05%	0.004%	G
44	5.325	5.300	5.378	VV	779	19076	0.30%	0.022%	H
45	5.387	5.378	5.404	VV	504	6960	0.11%	0.008%	I
46	5.417	5.404	5.430	VV	548	6216	0.10%	0.007%	J
47	5.446	5.430	5.497	VV	454	13866	0.22%	0.016%	
48	5.521	5.497	5.542	VV	10920	110153	1.76%	0.127%	
49	5.553	5.542	5.580	VV	1377	22341	0.36%	0.026%	
50	5.593	5.580	5.608	VV	518	6485	0.10%	0.007%	
51	5.619	5.608	5.638	VV	398	5920	0.09%	0.007%	
52	5.711	5.638	5.751	VV	2044	43535	0.69%	0.050%	
53	5.770	5.751	5.785	VV	721	11227	0.18%	0.013%	
54	5.823	5.785	5.854	VV	1456	34514	0.55%	0.040%	
55	5.871	5.854	5.903	VV	1016	17164	0.27%	0.020%	
56	5.922	5.903	5.958	VV	1069	20820	0.33%	0.024%	
57	5.977	5.958	6.008	VV	1099	18092	0.29%	0.021%	
58	6.026	6.008	6.047	VV	1129	18480	0.29%	0.021%	
59	6.076	6.047	6.104	VV	27613	289700	4.62%	0.334%	
60	6.122	6.104	6.143	VV	3280	42962	0.69%	0.050%	
61	6.164	6.143	6.196	VV	4698	64662	1.03%	0.075%	
62	6.226	6.196	6.247	VV	3720	53135	0.85%	0.061%	
63	6.264	6.247	6.288	VV	1237	25118	0.40%	0.029%	
64	6.318	6.288	6.327	VV	1138	24673	0.39%	0.028%	
65	6.345	6.327	6.369	VV	1950	33066	0.53%	0.038%	
66	6.389	6.369	6.418	VV	2064	37048	0.59%	0.043%	
67	6.442	6.418	6.457	VV	1718	30013	0.48%	0.035%	
68	6.469	6.457	6.475	VV	1332	12557	0.20%	0.014%	
69	6.507	6.475	6.561	VV	335762	3320385	52.97%	3.826%	
70	6.569	6.561	6.588	VV	1315	18418	0.29%	0.021%	
71	6.623	6.588	6.635	VV	2023	46280	0.74%	0.053%	
72	6.656	6.635	6.679	VV	8441	113683	1.81%	0.131%	
73	6.689	6.679	6.713	VV	2505	45984	0.73%	0.053%	
74	6.728	6.713	6.759	VV	2984	52727	0.84%	0.061%	
75	6.782	6.759	6.808	VV	2866	54884	0.88%	0.063%	
76	6.834	6.808	6.859	VV	4663	84739	1.35%	0.098%	
77	6.868	6.859	6.880	VV	2134	24797	0.40%	0.029%	
78	6.900	6.880	6.934	VV	2345	57892	0.92%	0.067%	
79	6.967	6.934	6.985	VV	2654	62097	0.99%	0.072%	
80	7.009	6.985	7.048	VV	7091	175250	2.80%	0.202%	
81	7.067	7.048	7.090	VV	7965	111199	1.77%	0.128%	
82	7.110	7.090	7.120	VV	10500	118477	1.89%	0.137%	
83	7.135	7.120	7.154	VV	18560	211714	3.38%	0.244%	
84	7.168	7.154	7.189	VV	9308	113562	1.81%	0.131%	
85	7.210	7.189	7.252	VV	10135	164269	2.62%	0.189%	
86	7.268	7.252	7.282	VV	3541	50093	0.80%	0.058%	
87	7.313	7.282	7.334	VV	4476	94690	1.51%	0.109%	
88	7.357	7.334	7.374	VV	3056	63602	1.01%	0.073%	
89	7.394	7.374	7.411	VV	4949	80849	1.29%	0.093%	

Instrument : FID_C									
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Supervised By :mohammad ahmed 06/13/2025									
90	7.433	7.411	7.465	VV	63536	704472	11.24%	0.812%	
91	7.485	7.465	7.509	VV	2790	63684			
92	7.554	7.509	7.581	VV	4146	139562			
93	7.605	7.581	7.632	VV	6485	128769			
94	7.645	7.632	7.669	VV	2849	49220			
95	7.692	7.669	7.717	VV	3410	65197			
96	7.747	7.717	7.758	VV	3262	61643	0.98%	0.071%	
97	7.776	7.758	7.792	VV	4734	74083	1.18%	0.085%	
98	7.800	7.792	7.836	VV	3165	60881	0.97%	0.070%	
99	7.887	7.836	7.901	VV	7126	149898	2.39%	0.173%	
100	7.913	7.901	7.933	VV	6377	80447	1.28%	0.093%	
101	7.955	7.933	7.977	VV	7393	104272	1.66%	0.120%	
102	8.001	7.977	8.034	VV	10772	162805	2.60%	0.188%	
103	8.057	8.034	8.080	VV	8028	111278	1.78%	0.128%	
104	8.096	8.080	8.108	VV	1923	28374	0.45%	0.033%	
105	8.127	8.108	8.150	VV	8780	114845	1.83%	0.132%	
106	8.165	8.150	8.197	VV	2060	52567	0.84%	0.061%	
107	8.217	8.197	8.237	VV	2774	49332	0.79%	0.057%	
108	8.262	8.237	8.274	VV	2014	40859	0.65%	0.047%	
109	8.308	8.274	8.340	VV	346983	3684506	58.78%	4.245%	
110	8.355	8.340	8.378	VV	2742	44618	0.71%	0.051%	
111	8.420	8.378	8.441	VV	7459	125100	2.00%	0.144%	
112	8.451	8.441	8.484	VV	2198	41781	0.67%	0.048%	
113	8.497	8.484	8.524	VV	1580	31246	0.50%	0.036%	
114	8.543	8.524	8.569	VV	1296	27701	0.44%	0.032%	
115	8.618	8.569	8.647	VV	1379	48328	0.77%	0.056%	
116	8.668	8.647	8.694	VV	1598	31911	0.51%	0.037%	
117	8.717	8.694	8.742	VV	13137	154712	2.47%	0.178%	
118	8.754	8.742	8.780	VV	1774	29627	0.47%	0.034%	
119	8.798	8.780	8.820	VV	1926	29977	0.48%	0.035%	
120	8.844	8.820	8.876	VV	4407	66257	1.06%	0.076%	
121	8.896	8.876	8.951	VV	1588	29674	0.47%	0.034%	
122	8.962	8.951	8.981	VV	499	7348	0.12%	0.008%	
123	9.027	8.981	9.051	VV	1262	30357	0.48%	0.035%	
124	9.068	9.051	9.104	VV	688	17546	0.28%	0.020%	
125	9.130	9.104	9.178	VV	6598	92057	1.47%	0.106%	
126	9.216	9.197	9.238	VV	472	8509	0.14%	0.010%	
127	9.269	9.238	9.301	VV	337	8118	0.13%	0.009%	
128	9.312	9.301	9.328	VV	233	3112	0.05%	0.004%	
129	9.371	9.328	9.401	VV	378	9663	0.15%	0.011%	
130	9.430	9.401	9.478	VV	484	9944	0.16%	0.011%	
131	9.504	9.478	9.535	PV	2749	38248	0.61%	0.044%	
132	9.548	9.535	9.573	VV	590	8213	0.13%	0.009%	
133	9.593	9.573	9.614	VV	315	4961	0.08%	0.006%	
134	9.639	9.614	9.667	VV	515	10251	0.16%	0.012%	
135	9.690	9.667	9.730	VV	1819	23059	0.37%	0.027%	
136	9.750	9.730	9.762	VV	167	2627	0.04%	0.003%	
137	9.773	9.762	9.805	VV	170	2518	0.04%	0.003%	
138	9.829	9.805	9.873	VV	453	9091	0.15%	0.010%	
139	9.912	9.873	9.968	VV	316144	3472582	55.40%	4.001%	
140	9.985	9.968	10.038	VV	183	5706	0.09%	0.007%	
141	10.085	10.038	10.114	VV	208	4262	0.07%	0.005%	

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Manual IntegrationsAPPROVED									
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					rtures				
142	10.132	10.114	10.176	VV	148	3455	0.06%	0.004%	
143	10.189	10.176	10.211	VV	127	1841			
144	10.301	10.211	10.328	VV	420	14122			
145	10.346	10.328	10.364	VV	260	4306			
146	10.398	10.364	10.439	VV	316	8393			
147	10.449	10.439	10.483	VV	200	3009			
148	10.550	10.483	10.568	PV	267	8689	0.14%	0.010%	
149	10.578	10.568	10.614	VV	305	7067	0.11%	0.008%	
150	10.652	10.614	10.684	VV	777	15456	0.25%	0.018%	
151	10.718	10.684	10.734	VV	439	10218	0.16%	0.012%	
152	10.747	10.734	10.767	VV	541	8587	0.14%	0.010%	
153	10.783	10.767	10.808	VV	500	7328	0.12%	0.008%	
154	10.827	10.808	10.861	VV	259	5802	0.09%	0.007%	
155	10.870	10.861	10.880	VV	262	2111	0.03%	0.002%	
156	10.909	10.880	10.947	VV	2102	28204	0.45%	0.032%	
157	10.985	10.947	11.009	VV	1926	26912	0.43%	0.031%	
158	11.025	11.009	11.061	VV	407	7197	0.11%	0.008%	
159	11.077	11.061	11.094	VV	231	3475	0.06%	0.004%	
160	11.103	11.094	11.128	VV	192	2302	0.04%	0.003%	
161	11.159	11.128	11.194	VV	859	11620	0.19%	0.013%	
162	11.216	11.194	11.227	VV	193	2363	0.04%	0.003%	
163	11.286	11.227	11.321	VV	5115	70824	1.13%	0.082%	
164	11.357	11.321	11.413	VV	298500	3483455	55.58%	4.014%	
165	11.451	11.413	11.478	VV	1597	23946	0.38%	0.028%	
166	11.488	11.478	11.495	VV	164	1568	0.03%	0.002%	
167	11.506	11.495	11.521	VV	218	2517	0.04%	0.003%	
168	11.555	11.521	11.564	VV	183	2957	0.05%	0.003%	
169	11.583	11.564	11.609	VV	227	3805	0.06%	0.004%	
170	11.676	11.609	11.726	PV	3009	42738	0.68%	0.049%	
171	11.753	11.726	11.798	VV	405	11529	0.18%	0.013%	
172	11.812	11.798	11.851	VV	597	11739	0.19%	0.014%	
173	11.867	11.851	11.918	VV	419	10038	0.16%	0.012%	
174	12.025	11.918	12.064	VV	866	33527	0.53%	0.039%	
175	12.069	12.064	12.104	VV	357	5840	0.09%	0.007%	
176	12.129	12.104	12.158	VV	347	9819	0.16%	0.011%	
177	12.182	12.158	12.210	VV	345	8983	0.14%	0.010%	
178	12.247	12.210	12.278	VV	473	13945	0.22%	0.016%	
179	12.298	12.278	12.332	VV	594	13855	0.22%	0.016%	
180	12.360	12.332	12.381	VV	615	13325	0.21%	0.015%	
181	12.403	12.381	12.419	VV	565	9441	0.15%	0.011%	
182	12.489	12.419	12.511	VV	1150	36807	0.59%	0.042%	
183	12.531	12.511	12.565	VV	866	17799	0.28%	0.021%	
184	12.576	12.565	12.584	VV	289	2881	0.05%	0.003%	
185	12.607	12.584	12.631	VV	1188	19419	0.31%	0.022%	
186	12.669	12.631	12.708	VV	301612	3512218	56.03%	4.047%	
187	12.731	12.708	12.765	VV	1810	33515	0.53%	0.039%	
188	12.788	12.765	12.814	VV	1006	19399	0.31%	0.022%	
189	12.828	12.814	12.854	VV	424	9062	0.14%	0.010%	
190	12.868	12.854	12.879	VV	387	5140	0.08%	0.006%	
191	12.924	12.879	12.988	VV	545	27827	0.44%	0.032%	
192	13.030	12.988	13.054	VV	2575	42158	0.67%	0.049%	
193	13.118	13.054	13.204	VV	520671	6267969	100.00%	7.222%	
194	13.223	13.204	13.244	VV	928	17233	0.27%	0.020%	

								Instrument : FID_C	
								ClientSampleId : B-187-SB01MS	
195	13.283	13.244	13.317	VV	279805	3365531	53.69%	3.878%	Manual IntegrationsAPPROVED
196	13.332	13.317	13.355	VV	1208	22237			
197	13.378	13.355	13.389	VV	800	14914			
198	13.405	13.389	13.430	VV	766	17025			
199	13.456	13.430	13.488	VV	984	26962			
200	13.506	13.488	13.526	VV	949	19209			Reviewed By :Yogesh Patel 06/12/2025 Supervised By :mohammad ahmed 06/13/2025
201	13.560	13.526	13.581	VV	1096	31084	0.50%	0.036%	
202	13.587	13.581	13.618	VV	972	20481	0.33%	0.024%	
203	13.626	13.618	13.640	VV	1057	13150	0.21%	0.015%	
204	13.662	13.640	13.679	VV	1300	25747	0.41%	0.030%	
205	13.712	13.679	13.762	VV	1670	60708	0.97%	0.070%	
206	13.785	13.762	13.793	VV	1174	20786	0.33%	0.024%	
207	13.818	13.793	13.833	VV	1872	36663	0.58%	0.042%	
208	13.869	13.833	13.911	VV	269031	3367354	53.72%	3.880%	
209	13.929	13.911	13.951	VV	1866	37332	0.60%	0.043%	
210	13.964	13.951	13.979	VV	1492	22753	0.36%	0.026%	
211	14.093	13.979	14.126	VV	2197	142542	2.27%	0.164%	
212	14.181	14.126	14.194	VV	1876	71800	1.15%	0.083%	
213	14.203	14.194	14.217	VV	1828	24141	0.39%	0.028%	
214	14.232	14.217	14.248	VV	1902	32839	0.52%	0.038%	
215	14.304	14.248	14.364	VV	3374	164134	2.62%	0.189%	
216	14.386	14.364	14.409	VV	3013	68034	1.09%	0.078%	
217	14.432	14.409	14.467	VV	3401	92747	1.48%	0.107%	
218	14.504	14.467	14.542	VV	2699	114152	1.82%	0.132%	
219	14.555	14.542	14.573	VV	2749	48139	0.77%	0.055%	
220	14.585	14.573	14.603	VV	2595	45499	0.73%	0.052%	
221	14.635	14.603	14.674	VV	2966	116123	1.85%	0.134%	
222	14.694	14.674	14.771	VV	3633	175218	2.80%	0.202%	
223	14.828	14.771	14.848	VV	3444	140178	2.24%	0.162%	
224	14.913	14.848	14.924	VV	4032	160215	2.56%	0.185%	
225	14.975	14.924	15.014	VV	267341	3474322	55.43%	4.003%	
226	15.037	15.014	15.061	VV	3801	103479	1.65%	0.119%	
227	15.075	15.061	15.091	VV	3588	61629	0.98%	0.071%	
228	15.113	15.091	15.127	VV	3595	74535	1.19%	0.086%	
229	15.170	15.127	15.195	VV	3951	149965	2.39%	0.173%	
230	15.213	15.195	15.235	VV	3900	89356	1.43%	0.103%	
231	15.253	15.235	15.265	VV	3799	67197	1.07%	0.077%	
232	15.309	15.265	15.339	VV	4175	175631	2.80%	0.202%	
233	15.354	15.339	15.386	VV	4243	114108	1.82%	0.131%	
234	15.402	15.386	15.414	VV	4261	71097	1.13%	0.082%	
235	15.425	15.414	15.455	VV	4288	99243	1.58%	0.114%	
236	15.494	15.455	15.524	VV	6634	201510	3.21%	0.232%	
237	15.541	15.524	15.621	VV	4762	237500	3.79%	0.274%	
238	15.635	15.621	15.647	VV	4225	61155	0.98%	0.070%	
239	15.676	15.647	15.684	VV	4367	94163	1.50%	0.109%	
240	15.692	15.684	15.700	VV	4222	38651	0.62%	0.045%	
241	15.720	15.700	15.739	VV	4425	101428	1.62%	0.117%	
242	15.755	15.739	15.784	VV	4413	115326	1.84%	0.133%	
243	15.814	15.784	15.838	VV	4755	142352	2.27%	0.164%	
244	15.870	15.838	15.885	VV	4733	127769	2.04%	0.147%	
245	15.898	15.885	15.909	VV	4565	63470	1.01%	0.073%	
246	15.925	15.909	15.950	VV	4429	109077	1.74%	0.126%	

Instrument : FID_C									
ClientSampleId : B-187-SB01MS									
Manual IntegrationsAPPROVED									
Reviewed By :Yogesh Patel 06/12/2025									
Supervised By :mohammad ahmed 06/13/2025									
				rtetes					
247	15.998	15.950	16.113	VV	255272	3655814	58.33%	4.212%	
248	16.124	16.113	16.139	VV	4216	63409			
249	16.167	16.139	16.198	VV	4753	159922			
250	16.211	16.198	16.238	VV	4837	108508			
251	16.249	16.238	16.261	VV	4435	60898			
252	16.305	16.261	16.323	VV	4997	171958			
253	16.336	16.323	16.345	VV	4836	62096	0.99%	0.072%	
254	16.357	16.345	16.420	VV	5114	208283	3.32%	0.240%	
255	16.478	16.420	16.558	VV	7372	414237	6.61%	0.477%	
256	16.585	16.558	16.594	VV	4567	96364	1.54%	0.111%	
257	16.642	16.594	16.670	VV	5275	219225	3.50%	0.253%	
258	16.687	16.670	16.741	VV	4978	203874	3.25%	0.235%	
259	16.756	16.741	16.772	VV	4869	86318	1.38%	0.099%	
260	16.824	16.772	16.885	VV	5317	333129	5.31%	0.384%	
261	16.950	16.885	17.025	VV	245544	3598250	57.41%	4.146%	
262	17.033	17.025	17.047	VV	4710	58331	0.93%	0.067%	
263	17.066	17.047	17.101	VV	4922	154228	2.46%	0.178%	
264	17.108	17.101	17.134	VV	4758	92697	1.48%	0.107%	
265	17.162	17.134	17.170	VV	4926	102643	1.64%	0.118%	
266	17.200	17.170	17.247	VV	5549	227553	3.63%	0.262%	
267	17.272	17.247	17.311	VV	5864	201276	3.21%	0.232%	
268	17.328	17.311	17.348	VV	4721	102774	1.64%	0.118%	
269	17.400	17.348	17.424	VV	6341	243081	3.88%	0.280%	
270	17.438	17.424	17.474	VV	4611	130947	2.09%	0.151%	
271	17.482	17.474	17.487	VV	4263	32979	0.53%	0.038%	
272	17.523	17.487	17.595	VV	5306	298494	4.76%	0.344%	
273	17.610	17.595	17.646	VV	4387	130027	2.07%	0.150%	
274	17.728	17.646	17.774	VV	6852	357677	5.71%	0.412%	
275	17.839	17.774	17.920	VV	234136	3612101	57.63%	4.162%	
276	17.931	17.920	17.947	VV	3954	61607	0.98%	0.071%	
277	17.991	17.947	18.055	VV	5242	280435	4.47%	0.323%	
278	18.063	18.055	18.077	VV	3611	47272	0.75%	0.054%	
279	18.096	18.077	18.105	VV	3792	59097	0.94%	0.068%	
280	18.120	18.105	18.138	VV	3810	72283	1.15%	0.083%	
281	18.154	18.138	18.175	VV	3623	78922	1.26%	0.091%	
282	18.197	18.175	18.211	VV	3908	79154	1.26%	0.091%	
283	18.225	18.211	18.237	VV	3895	58647	0.94%	0.068%	
284	18.261	18.237	18.301	VV	5163	148341	2.37%	0.171%	
285	18.311	18.301	18.341	VV	3435	80532	1.28%	0.093%	
286	18.361	18.341	18.461	VV	4070	241528	3.85%	0.278%	
287	18.484	18.461	18.501	VV	3217	73173	1.17%	0.084%	
288	18.512	18.501	18.562	VV	3191	109941	1.75%	0.127%	
289	18.573	18.562	18.628	VV	2955	108270	1.73%	0.125%	
290	18.673	18.628	18.732	VV	234651	3423787	54.62%	3.945%	
291	18.740	18.732	18.764	VV	2641	48177	0.77%	0.056%	
292	18.792	18.764	18.811	VV	2832	72943	1.16%	0.084%	
293	18.834	18.811	18.853	VV	2892	68377	1.09%	0.079%	
294	18.867	18.853	18.895	VV	2935	66280	1.06%	0.076%	
295	18.915	18.895	18.948	VV	2547	76999	1.23%	0.089%	
296	18.961	18.948	19.015	VV	2487	89812	1.43%	0.103%	
297	19.070	19.015	19.100	VV	3640	131805	2.10%	0.152%	
298	19.117	19.100	19.152	VV	2358	68393	1.09%	0.079%	
299	19.178	19.152	19.228	VV	2302	96881	1.55%	0.112%	

							Instrument : FID_C		A
							ClientSampleId : B-187-SB01MS		
300	19.245	19.228	19.286	VV	2249	74206	1.18%	0.086%	B
301	19.302	19.286	19.323	VV	2236	45920	Manual IntegrationsAPPROVED		C
302	19.334	19.323	19.361	VV	2128	45343			D
303	19.374	19.361	19.412	VV	2120	59766	Reviewed By :Yogesh Patel 06/12/2025		E
304	19.459	19.412	19.557	VV	240667	3474999	Supervised By :mohammad ahmed 06/13/2025		F
305	19.585	19.557	19.607	VV	2209	61631			G
306	19.619	19.607	19.635	VV	2149	34717	0.55%	0.040%	H
307	19.646	19.635	19.655	VV	2111	23656	0.38%	0.027%	I
308	19.662	19.655	19.668	VV	2088	15933	0.25%	0.018%	J
309	19.698	19.668	19.721	VV	2247	68616	1.09%	0.079%	
310	19.739	19.721	19.798	VV	2262	97422	1.55%	0.112%	
311	19.834	19.798	19.858	VV	3131	91800	1.46%	0.106%	
312	19.874	19.858	19.896	VV	2258	48827	0.78%	0.056%	
313	19.905	19.896	19.921	VV	2221	33645	0.54%	0.039%	
314	19.938	19.921	19.949	VV	2327	37203	0.59%	0.043%	
315	19.962	19.949	19.973	VV	2365	33473	0.53%	0.039%	
316	19.989	19.973	20.002	VV	2483	40184	0.64%	0.046%	
317	20.015	20.002	20.032	VV	2433	41467	0.66%	0.048%	
318	20.063	20.032	20.073	VV	2468	59406	0.95%	0.068%	
319	20.106	20.073	20.134	VV	2864	95734	1.53%	0.110%	
320	20.201	20.134	20.260	VV	231359	3418291	54.54%	3.939%	
321	20.273	20.260	20.315	VV	3047	94966	1.52%	0.109%	
322	20.334	20.315	20.368	VV	2888	89139	1.42%	0.103%	
323	20.375	20.368	20.401	VV	2892	56197	0.90%	0.065%	
324	20.406	20.401	20.431	VV	2817	49516	0.79%	0.057%	
325	20.458	20.431	20.484	VV	2803	87491	1.40%	0.101%	
326	20.493	20.484	20.523	VV	2737	61131	0.98%	0.070%	
327	20.562	20.523	20.612	VV	3453	146497	2.34%	0.169%	
328	20.629	20.612	20.654	VV	2547	61451	0.98%	0.071%	
329	20.684	20.654	20.696	VV	2510	60915	0.97%	0.070%	
330	20.714	20.696	20.728	VV	2522	47432	0.76%	0.055%	
331	20.738	20.728	20.774	VV	2470	66841	1.07%	0.077%	
332	20.784	20.774	20.814	VV	2405	55631	0.89%	0.064%	
333	20.824	20.814	20.833	VV	2271	24139	0.39%	0.028%	
334	20.840	20.833	20.861	VV	2272	37629	0.60%	0.043%	
335	20.867	20.861	20.891	VV	2200	37027	0.59%	0.043%	
336	20.969	20.891	21.058	VV	175198	3277044	52.28%	3.776%	
337	21.065	21.058	21.096	VV	2110	45765	0.73%	0.053%	
338	21.105	21.096	21.184	VV	1864	96043	1.53%	0.111%	
339	21.194	21.184	21.248	VV	1749	60410	0.96%	0.070%	
340	21.261	21.248	21.344	VV	1521	81641	1.30%	0.094%	
341	21.417	21.344	21.494	VV	1938	127927	2.04%	0.147%	
342	21.503	21.494	21.549	VV	1287	40445	0.65%	0.047%	
343	21.560	21.549	21.590	VV	1319	29122	0.46%	0.034%	
344	21.604	21.590	21.651	VV	1124	38304	0.61%	0.044%	
345	21.657	21.651	21.761	VV	1004	57619	0.92%	0.066%	
346	21.803	21.761	21.854	VV	916	45346	0.72%	0.052%	
347	21.938	21.854	22.064	VV	101314	2740903	43.73%	3.158%	
348	22.071	22.064	22.116	VV	854	20232	0.32%	0.023%	
349	22.128	22.116	22.161	VV	616	14369	0.23%	0.017%	
350	22.189	22.161	22.217	VV	592	16078	0.26%	0.019%	
351	22.233	22.217	22.281	VV	493	15762	0.25%	0.018%	

	Area	Height	Area%	Height%	Integration	Integration
352	22.289	22.281	22.361	VV	404	11986
353	22.371	22.361	22.417	VV	171	3173
354	22.426	22.417	22.439	PV	70	447
Sum of corrected areas:					867	

Aliphatic EPH 052425.M Thu Jun 12 07:04:23 2025

Instrument :

FID_C

ClientSampleId :

B-187-SB01MS

0.19% 0.014%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
 Data File : FD049484.D
 Signal(s) : FID2B.ch
 Acq On : 13 Jun 2025 09:48
 Operator : YP/AJ
 Sample : Q2177-02MS
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-187-SB01MS

A
B
C
D
E
F
G
H
I
J

Integration File: autoint1.e
 Quant Time: Jun 13 21:19:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 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...	7.733	6278432	37.769 ug/ml
Spiked Amount 50.000		Recovery =	75.54%
6) S 2-Fluorobiphenyl (SURR)	8.598	4233429	37.006 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	74.01%
11) S ortho-Terphenyl (SURR)	11.644	6518438	32.475 ug/ml
Spiked Amount 50.000		Recovery =	64.95%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.522	2028339	12.748 ug/ml
2) T Naphthalene (C11.7)	6.066	2506308	14.274 ug/ml
3) T 2-Methylnaphthalene (...)	7.120	2576852	14.424 ug/ml
5) T Acenaphthylene (C15.06)	8.399	3018456	15.582 ug/ml
7) T Acenaphthene (C15.5)	8.696	3122059	16.413 ug/ml
8) T Flouorene (C16.55)	9.476	3285254	16.803 ug/ml
9) T Phenanthrene (C19.36)	10.875	3591192	18.887 ug/ml
10) T Anthracene (C19.43)	10.949	3220864	18.424 ug/ml
12) T Fluoranthene (C21.85)	12.689	3643400	20.199 ug/ml
13) T Pyrene (C20.8)	12.988	3552754	19.905 ug/ml
14) T Benzo[a]anthracene (C...	14.859	3088305	20.319 ug/ml
15) T Chrysene (C27.41)	14.901	3380823	22.263 ug/ml
16) T benzo[b]fluoranthene ...	16.410	3013552	20.819 ug/ml
17) T Bnezo[k]fluoranthene ...	16.443	2894814	20.173 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.789	2856949	21.020 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.155	2925066	22.900 ug/ml
20) T Dibenz[a,h]anthracene...	18.194	2748005	20.412 ug/ml
21) T Benzo[g,h,i]perylene ...	18.409	2710958	20.113 ug/ml

(f)=RT Delta > 1/2 Window

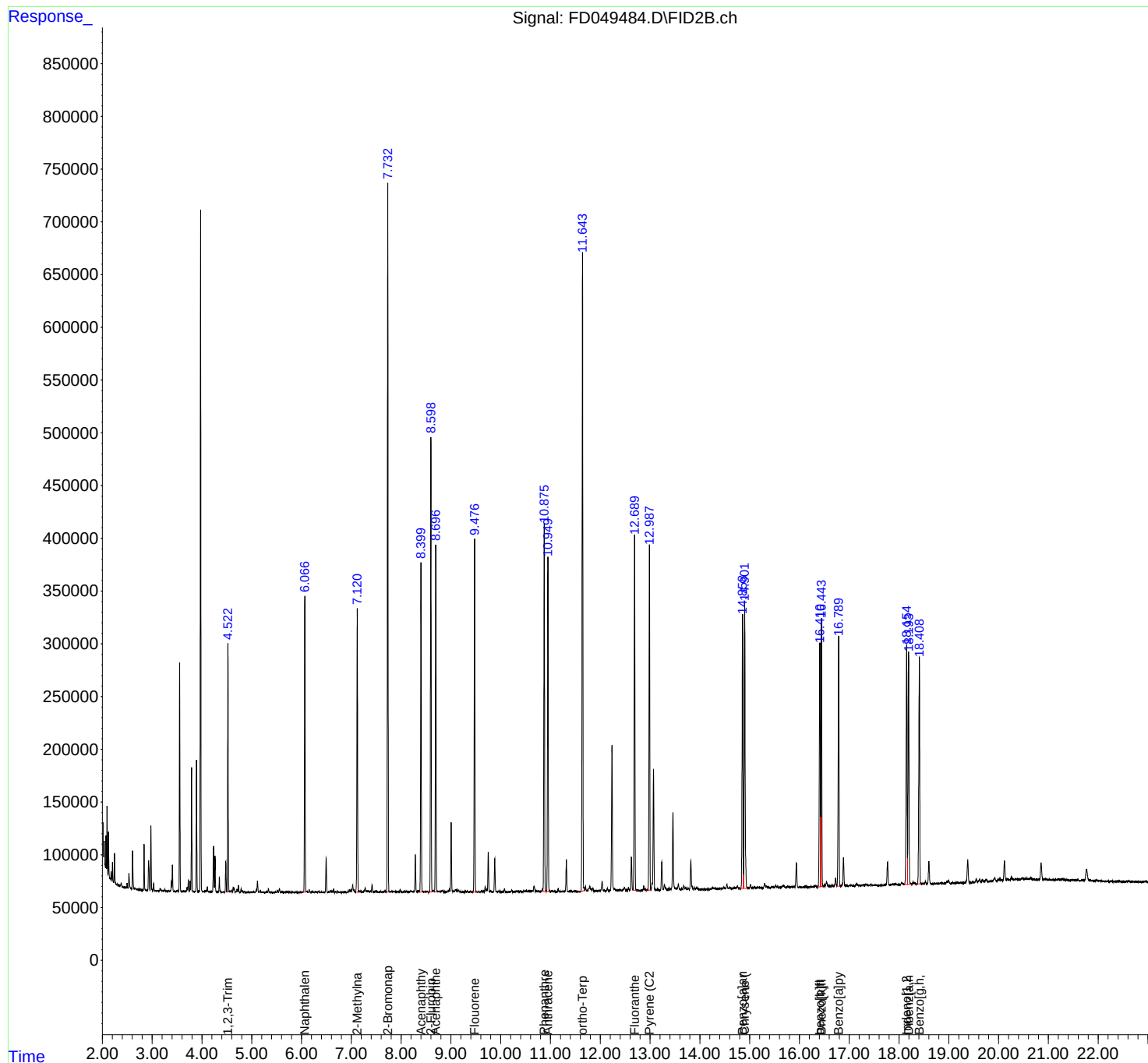
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
Data File : FD049484.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 09:48
Operator : YP/AJ
Sample : Q2177-02MS
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-187-SB01MS

Integration File: autoint1.e
Quant Time: Jun 13 21:19:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
 Data File : FD049484.D
 Signal(s) : FID2B.ch
 Acq On : 13 Jun 2025 09:48
 Sample : Q2177-02MS
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.299	PH	34331	290789	4.46%	0.332%
2	4.305	4.299	4.316	PV	152	1228	0.02%	0.001%
3	4.327	4.316	4.333	VV	308	1989	0.03%	0.002%
4	4.351	4.333	4.370	VV	14102	113337	1.74%	0.129%
5	4.373	4.370	4.400	VV	916	6722	0.10%	0.008%
6	4.413	4.400	4.418	PV	296	1644	0.03%	0.002%
7	4.435	4.418	4.452	VV	386	4444	0.07%	0.005%
8	4.480	4.452	4.500	PV	29279	261127	4.00%	0.298%
9	4.522	4.500	4.547	VV	236107	2040777	31.28%	2.329%
10	4.559	4.547	4.571	VV	1043	11477	0.18%	0.013%
11	4.588	4.571	4.609	VV	2032	27337	0.42%	0.031%
12	4.629	4.609	4.640	VV	4889	52976	0.81%	0.060%
13	4.648	4.640	4.667	VV	4080	39004	0.60%	0.045%
14	4.704	4.667	4.718	VV	3319	37045	0.57%	0.042%
15	4.734	4.718	4.755	VV	6562	63912	0.98%	0.073%
16	4.761	4.755	4.769	VV	449	3080	0.05%	0.004%
17	4.787	4.769	4.802	VV	3537	32959	0.51%	0.038%
18	4.814	4.802	4.837	VV	1626	18067	0.28%	0.021%
19	4.850	4.837	4.874	VV	724	9080	0.14%	0.010%
20	4.902	4.882	4.908	PV	260	2298	0.04%	0.003%
21	4.928	4.908	4.949	VV	541	6496	0.10%	0.007%
22	4.953	4.949	4.966	VV	329	2115	0.03%	0.002%
23	4.978	4.966	5.006	VV	292	5119	0.08%	0.006%
24	5.043	5.006	5.072	VV	767	15911	0.24%	0.018%
25	5.089	5.072	5.099	VV	2483	24024	0.37%	0.027%
26	5.115	5.099	5.145	VV	11000	117620	1.80%	0.134%
27	5.173	5.145	5.209	VV	2340	31768	0.49%	0.036%
28	5.219	5.209	5.239	VV	605	6583	0.10%	0.008%
29	5.278	5.263	5.290	VV	461	4690	0.07%	0.005%
30	5.305	5.290	5.316	VV	766	7918	0.12%	0.009%
31	5.335	5.316	5.387	VV	3956	47398	0.73%	0.054%
32	5.396	5.387	5.404	VV	369	3487	0.05%	0.004%
33	5.407	5.404	5.426	VV	326	2908	0.04%	0.003%
34	5.432	5.426	5.457	PV	231	3034	0.05%	0.003%
35	5.481	5.457	5.500	VV	641	11060	0.17%	0.013%
36	5.517	5.500	5.534	VV	2453	24541	0.38%	0.028%

					rteres			
37	5.558	5.534	5.576	VV	3821	46602	0.71%	0.053%
38	5.583	5.576	5.602	VV	512	6427	0.10%	0.007%
39	5.614	5.602	5.631	VV	882	10700	0.16%	0.012%
40	5.639	5.631	5.645	VV	343	1813	0.03%	0.002%
41	5.650	5.645	5.655	VV	213	1169	0.02%	0.001%
42	5.682	5.655	5.689	VV	592	7739	0.12%	0.009%
43	5.702	5.689	5.725	VV	703	9599	0.15%	0.011%
44	5.729	5.725	5.741	VV	316	2302	0.04%	0.003%
45	5.760	5.741	5.782	VV	591	7858	0.12%	0.009%
46	5.814	5.782	5.835	VV	775	12147	0.19%	0.014%
47	5.842	5.835	5.849	VV	225	1657	0.03%	0.002%
48	5.858	5.849	5.865	VV	435	3363	0.05%	0.004%
49	5.868	5.865	5.876	VV	403	1970	0.03%	0.002%
50	5.886	5.876	5.894	VV	357	2824	0.04%	0.003%
51	5.906	5.894	5.912	VV	335	3562	0.05%	0.004%
52	5.915	5.912	5.920	VV	437	1405	0.02%	0.002%
53	5.939	5.920	5.959	VV	506	6961	0.11%	0.008%
54	5.969	5.959	5.992	VV	529	6361	0.10%	0.007%
55	6.009	5.992	6.020	VV	629	7382	0.11%	0.008%
56	6.024	6.020	6.032	VV	469	2984	0.05%	0.003%
57	6.066	6.032	6.097	VV	280913	2528990	38.76%	2.886%
58	6.113	6.097	6.138	VV	1570	21534	0.33%	0.025%
59	6.155	6.138	6.177	VV	2893	31456	0.48%	0.036%
60	6.182	6.177	6.198	VV	432	4056	0.06%	0.005%
61	6.218	6.198	6.254	VV	968	18324	0.28%	0.021%
62	6.287	6.254	6.323	VV	852	19860	0.30%	0.023%
63	6.346	6.323	6.369	VV	1211	16269	0.25%	0.019%
64	6.407	6.369	6.420	VV	484	9054	0.14%	0.010%
65	6.427	6.420	6.448	VV	245	3143	0.05%	0.004%
66	6.459	6.448	6.466	VV	415	2778	0.04%	0.003%
67	6.495	6.466	6.523	VV	32547	321233	4.92%	0.367%
68	6.580	6.523	6.600	VV	1354	31055	0.48%	0.035%
69	6.615	6.600	6.629	VV	1272	14251	0.22%	0.016%
70	6.645	6.629	6.665	VV	3542	36609	0.56%	0.042%
71	6.677	6.665	6.702	VV	894	10526	0.16%	0.012%
72	6.717	6.702	6.742	VV	1794	20037	0.31%	0.023%
73	6.755	6.742	6.760	VV	384	3005	0.05%	0.003%
74	6.765	6.760	6.797	VV	406	5913	0.09%	0.007%
75	6.822	6.797	6.845	VV	798	11665	0.18%	0.013%
76	6.862	6.845	6.875	VV	567	6903	0.11%	0.008%
77	6.886	6.875	6.912	VV	607	7962	0.12%	0.009%
78	6.937	6.912	6.950	PV	1387	16532	0.25%	0.019%
79	6.964	6.950	6.979	VV	2828	31015	0.48%	0.035%
80	6.992	6.979	7.010	VV	2524	36380	0.56%	0.042%
81	7.028	7.010	7.083	VV	7434	118097	1.81%	0.135%
82	7.120	7.083	7.146	VV	269264	2579422	39.54%	2.943%
83	7.153	7.146	7.181	VV	1327	20792	0.32%	0.024%
84	7.195	7.181	7.209	VV	1241	13452	0.21%	0.015%
85	7.224	7.209	7.235	VV	789	8369	0.13%	0.010%
86	7.257	7.235	7.265	VV	1702	17999	0.28%	0.021%
87	7.279	7.265	7.298	VV	4337	51354	0.79%	0.059%
88	7.310	7.298	7.322	VV	1295	16706	0.26%	0.019%
89	7.335	7.322	7.367	VV	1845	29237	0.45%	0.033%

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90	7.386	7.367	7.399	VV	1618	20327	0.31%	0.023%
91	7.417	7.399	7.441	VV	7478	81679	1.25%	0.093%
92	7.453	7.441	7.462	VV	675	6874	0.11%	0.008%
93	7.481	7.462	7.492	VV	1034	14635	0.22%	0.017%
94	7.509	7.492	7.526	VV	1591	19843	0.30%	0.023%
95	7.532	7.526	7.547	VV	439	4283	0.07%	0.005%
96	7.591	7.547	7.615	VV	1056	22750	0.35%	0.026%
97	7.632	7.615	7.637	VV	575	6609	0.10%	0.008%
98	7.646	7.637	7.662	VV	668	7616	0.12%	0.009%
99	7.679	7.662	7.701	VV	1908	24229	0.37%	0.028%
100	7.733	7.701	7.802	VV	670152	6306916	96.67%	7.197%
101	7.823	7.802	7.832	VV	1133	15498	0.24%	0.018%
102	7.842	7.832	7.856	VV	1006	12131	0.19%	0.014%
103	7.870	7.856	7.886	VV	1168	14360	0.22%	0.016%
104	7.896	7.886	7.917	VV	772	10428	0.16%	0.012%
105	7.938	7.917	7.956	VV	1140	14614	0.22%	0.017%
106	7.982	7.956	8.009	VV	2266	29797	0.46%	0.034%
107	8.012	8.009	8.026	VV	594	4990	0.08%	0.006%
108	8.036	8.026	8.055	VV	880	9919	0.15%	0.011%
109	8.069	8.055	8.094	VV	699	12876	0.20%	0.015%
110	8.110	8.094	8.128	VV	1258	15996	0.25%	0.018%
111	8.152	8.128	8.159	VV	595	8571	0.13%	0.010%
112	8.189	8.159	8.193	VV	990	16567	0.25%	0.019%
113	8.198	8.193	8.205	VV	1079	7239	0.11%	0.008%
114	8.214	8.205	8.229	VV	1221	13404	0.21%	0.015%
115	8.232	8.229	8.237	VV	795	3733	0.06%	0.004%
116	8.241	8.237	8.258	VV	994	9850	0.15%	0.011%
117	8.286	8.258	8.319	VV	35985	374342	5.74%	0.427%
118	8.346	8.319	8.361	VV	1572	24811	0.38%	0.028%
119	8.399	8.361	8.458	VV	312460	3044983	46.67%	3.475%
120	8.481	8.458	8.507	VV	1196	18548	0.28%	0.021%
121	8.521	8.507	8.545	VV	946	11776	0.18%	0.013%
122	8.598	8.545	8.630	VV	431184	4253110	65.19%	4.853%
123	8.648	8.630	8.667	VV	2115	31284	0.48%	0.036%
124	8.696	8.667	8.725	VV	328908	3145934	48.22%	3.590%
125	8.743	8.725	8.763	VV	1266	23788	0.36%	0.027%
126	8.773	8.763	8.788	VV	1098	13878	0.21%	0.016%
127	8.794	8.788	8.804	VV	904	7139	0.11%	0.008%
128	8.822	8.804	8.867	VV	1529	34429	0.53%	0.039%
129	8.876	8.867	8.884	VV	610	4589	0.07%	0.005%
130	8.888	8.884	8.900	VV	692	4887	0.07%	0.006%
131	8.909	8.900	8.920	VV	476	4433	0.07%	0.005%
132	8.936	8.920	8.947	VV	1091	11875	0.18%	0.014%
133	8.966	8.947	8.980	VV	2368	27596	0.42%	0.031%
134	9.005	8.980	9.030	VV	66277	660630	10.13%	0.754%
135	9.041	9.030	9.073	VV	1647	32316	0.50%	0.037%
136	9.090	9.073	9.113	VV	2399	43732	0.67%	0.050%
137	9.124	9.113	9.145	VV	2456	34264	0.53%	0.039%
138	9.158	9.145	9.180	VV	1975	23729	0.36%	0.027%
139	9.196	9.180	9.212	VV	870	9077	0.14%	0.010%
140	9.216	9.212	9.229	VV	210	1224	0.02%	0.001%
141	9.248	9.229	9.271	VV	467	8699	0.13%	0.010%

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142	9.291	9.271	9.309	VV	1103	14014	0.21%	0.016%
143	9.330	9.309	9.374	VV	1056	21112	0.32%	0.024%
144	9.389	9.374	9.425	VV	812	15298	0.23%	0.017%
145	9.442	9.425	9.446	VV	391	3857	0.06%	0.004%
146	9.476	9.446	9.511	VV	334452	3290534	50.44%	3.755%
147	9.517	9.511	9.525	VV	402	1971	0.03%	0.002%
148	9.561	9.525	9.582	VV	782	13673	0.21%	0.016%
149	9.622	9.582	9.640	VV	1304	26578	0.41%	0.030%
150	9.654	9.640	9.668	VV	939	12340	0.19%	0.014%
151	9.689	9.668	9.706	VV	5485	60657	0.93%	0.069%
152	9.721	9.706	9.731	VV	3202	31854	0.49%	0.036%
153	9.751	9.731	9.776	VV	38322	389180	5.97%	0.444%
154	9.798	9.776	9.843	VV	1379	25491	0.39%	0.029%
155	9.881	9.843	9.936	VV	31910	359980	5.52%	0.411%
156	9.956	9.936	9.972	PV	726	10167	0.16%	0.012%
157	9.975	9.972	10.020	VV	522	9600	0.15%	0.011%
158	10.032	10.020	10.037	VV	289	1788	0.03%	0.002%
159	10.076	10.037	10.122	VV	3401	44138	0.68%	0.050%
160	10.159	10.122	10.180	VV	544	9632	0.15%	0.011%
161	10.192	10.180	10.196	VV	387	2920	0.04%	0.003%
162	10.223	10.196	10.239	VV	1666	22785	0.35%	0.026%
163	10.245	10.239	10.255	VV	524	3763	0.06%	0.004%
164	10.276	10.255	10.289	VV	785	10136	0.16%	0.012%
165	10.315	10.289	10.333	VV	971	17936	0.27%	0.020%
166	10.353	10.333	10.377	VV	1443	23562	0.36%	0.027%
167	10.400	10.377	10.419	VV	1073	17994	0.28%	0.021%
168	10.424	10.419	10.434	VV	383	2756	0.04%	0.003%
169	10.470	10.434	10.496	VV	1120	25216	0.39%	0.029%
170	10.520	10.496	10.541	VV	1172	22597	0.35%	0.026%
171	10.549	10.541	10.560	VV	744	7554	0.12%	0.009%
172	10.566	10.560	10.584	VV	903	9192	0.14%	0.010%
173	10.608	10.584	10.628	VV	1327	25196	0.39%	0.029%
174	10.640	10.628	10.648	VV	1258	12860	0.20%	0.015%
175	10.673	10.648	10.696	VV	5259	91249	1.40%	0.104%
176	10.704	10.696	10.730	VV	1116	17854	0.27%	0.020%
177	10.750	10.730	10.789	VV	1225	26114	0.40%	0.030%
178	10.815	10.789	10.825	VV	1144	14874	0.23%	0.017%
179	10.841	10.825	10.848	VV	2767	27566	0.42%	0.031%
180	10.875	10.848	10.917	VV	349884	3613622	55.39%	4.123%
181	10.949	10.917	11.003	VV	318275	3253926	49.88%	3.713%
182	11.027	11.003	11.037	VV	933	16120	0.25%	0.018%
183	11.044	11.037	11.063	VV	970	12048	0.18%	0.014%
184	11.070	11.063	11.098	VV	709	10366	0.16%	0.012%
185	11.103	11.098	11.134	VV	333	5791	0.09%	0.007%
186	11.156	11.134	11.194	VV	3386	42493	0.65%	0.048%
187	11.201	11.194	11.210	VV	322	1883	0.03%	0.002%
188	11.218	11.210	11.226	VV	326	2045	0.03%	0.002%
189	11.251	11.226	11.269	VV	795	11685	0.18%	0.013%
190	11.319	11.269	11.348	VV	30738	349835	5.36%	0.399%
191	11.370	11.348	11.375	PV	555	5569	0.09%	0.006%
192	11.408	11.375	11.433	VV	1275	25001	0.38%	0.029%
193	11.440	11.433	11.445	VV	303	1468	0.02%	0.002%
194	11.474	11.445	11.502	VV	799	15465	0.24%	0.018%

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195	11.523	11.502	11.547	VV	679	10634	0.16%	0.012%	
196	11.560	11.547	11.584	VV	421	7098	0.11%	0.008%	
197	11.644	11.584	11.668	PV	606519	6524090	100.00%	7.445%	
198	11.673	11.668	11.688	VV	4150	36599	0.56%	0.042%	
199	11.704	11.688	11.724	VV	5101	60429	0.93%	0.069%	
200	11.736	11.724	11.751	VV	1542	18857	0.29%	0.022%	
201	11.789	11.751	11.810	VV	5258	105863	1.62%	0.121%	
202	11.821	11.810	11.836	VV	2558	31058	0.48%	0.035%	
203	11.852	11.836	11.882	VV	3698	47689	0.73%	0.054%	
204	11.914	11.882	11.938	VV	1175	20473	0.31%	0.023%	
205	11.984	11.938	12.003	VV	1079	27877	0.43%	0.032%	
206	12.037	12.003	12.063	VV	9610	139001	2.13%	0.159%	
207	12.077	12.063	12.109	VV	1498	22554	0.35%	0.026%	
208	12.142	12.109	12.165	VV	2886	42433	0.65%	0.048%	
209	12.169	12.165	12.176	VV	518	2967	0.05%	0.003%	
210	12.236	12.176	12.279	VV	138273	1653142	25.34%	1.886%	
211	12.291	12.279	12.336	VV	2271	48205	0.74%	0.055%	
212	12.347	12.336	12.355	VV	925	9790	0.15%	0.011%	
213	12.361	12.355	12.369	VV	1022	7725	0.12%	0.009%	
214	12.393	12.369	12.436	VV	1246	36703	0.56%	0.042%	
215	12.488	12.436	12.512	VV	3428	79001	1.21%	0.090%	
216	12.517	12.512	12.533	VV	998	9472	0.15%	0.011%	
217	12.541	12.533	12.549	VV	811	6462	0.10%	0.007%	
218	12.569	12.549	12.590	VV	3132	40133	0.62%	0.046%	
219	12.626	12.590	12.654	VV	32065	394472	6.05%	0.450%	
220	12.689	12.654	12.739	VV	336193	3673156	56.30%	4.191%	
221	12.749	12.739	12.766	VV	617	6562	0.10%	0.007%	
222	12.775	12.766	12.793	VV	317	4134	0.06%	0.005%	
223	12.802	12.793	12.806	VV	343	2001	0.03%	0.002%	
224	12.845	12.806	12.852	VV	733	12354	0.19%	0.014%	
225	12.873	12.852	12.917	VV	4672	70683	1.08%	0.081%	
226	12.923	12.917	12.955	VV	992	14294	0.22%	0.016%	
227	12.988	12.955	13.014	VV	327520	3575500	54.80%	4.080%	
228	13.040	13.014	13.046	VV	6835	70873	1.09%	0.081%	
229	13.070	13.046	13.100	VV	115027	1343275	20.59%	1.533%	
230	13.117	13.100	13.137	VV	728	10574	0.16%	0.012%	
231	13.154	13.137	13.177	VV	1594	19896	0.30%	0.023%	
232	13.190	13.177	13.205	VV	480	5261	0.08%	0.006%	
233	13.236	13.205	13.265	VV	27175	343829	5.27%	0.392%	
234	13.289	13.265	13.341	VV	5646	105022	1.61%	0.120%	
235	13.354	13.341	13.364	VV	950	10375	0.16%	0.012%	
236	13.380	13.364	13.395	VV	1556	20814	0.32%	0.024%	
237	13.405	13.395	13.421	VV	1018	13108	0.20%	0.015%	
238	13.460	13.421	13.535	VV	73773	943510	14.46%	1.077%	
239	13.569	13.535	13.605	VV	5891	105052	1.61%	0.120%	
240	13.616	13.605	13.623	VV	853	8277	0.13%	0.009%	
241	13.639	13.623	13.655	VV	1446	19268	0.30%	0.022%	
242	13.677	13.655	13.700	VV	3960	60675	0.93%	0.069%	
243	13.717	13.700	13.740	VV	2698	36668	0.56%	0.042%	
244	13.766	13.740	13.790	VV	1820	34538	0.53%	0.039%	
245	13.820	13.790	13.866	VV	27516	378753	5.81%	0.432%	
246	13.886	13.866	13.905	VV	2281	30672	0.47%	0.035%	

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247	13.933	13.905	13.977	VV	2017	49406	0.76%	0.056%
248	13.991	13.977	14.014	VV	473	6494	0.10%	0.007%
249	14.047	14.014	14.074	PV	702	12704	0.19%	0.014%
250	14.093	14.074	14.123	VV	454	7078	0.11%	0.008%
251	14.154	14.137	14.183	VV	498	9345	0.14%	0.011%
252	14.189	14.183	14.194	VV	274	1515	0.02%	0.002%
253	14.214	14.194	14.228	VV	592	8798	0.13%	0.010%
254	14.257	14.228	14.287	VV	1828	38908	0.60%	0.044%
255	14.299	14.287	14.334	VV	1391	24078	0.37%	0.027%
256	14.387	14.334	14.393	VV	954	21206	0.33%	0.024%
257	14.406	14.393	14.428	VV	1075	15986	0.25%	0.018%
258	14.444	14.428	14.457	VV	855	11483	0.18%	0.013%
259	14.479	14.457	14.504	VV	1911	34434	0.53%	0.039%
260	14.510	14.504	14.523	VV	1081	10606	0.16%	0.012%
261	14.544	14.523	14.567	VV	4917	65995	1.01%	0.075%
262	14.602	14.567	14.626	VV	1563	35087	0.54%	0.040%
263	14.669	14.626	14.680	VV	945	20704	0.32%	0.024%
264	14.699	14.680	14.715	VV	1015	17783	0.27%	0.020%
265	14.726	14.715	14.738	VV	1212	14612	0.22%	0.017%
266	14.758	14.738	14.786	VV	2751	40449	0.62%	0.046%
267	14.798	14.786	14.821	VV	367	7104	0.11%	0.008%
268	14.859	14.821	14.878	VV	260320	3101231	47.54%	3.539%
269	14.901	14.878	14.952	VV	271972	3399395	52.11%	3.879%
270	14.957	14.952	14.976	VV	627	7322	0.11%	0.008%
271	15.018	14.976	15.036	VV	3946	56738	0.87%	0.065%
272	15.055	15.036	15.070	VV	1064	14921	0.23%	0.017%
273	15.094	15.070	15.129	VV	1626	29731	0.46%	0.034%
274	15.151	15.129	15.177	VV	1263	22858	0.35%	0.026%
275	15.192	15.177	15.262	VV	882	28817	0.44%	0.033%
276	15.301	15.262	15.327	VV	4243	81800	1.25%	0.093%
277	15.333	15.327	15.358	VV	1834	24003	0.37%	0.027%
278	15.362	15.358	15.365	VV	761	3116	0.05%	0.004%
279	15.369	15.365	15.374	VV	724	3150	0.05%	0.004%
280	15.376	15.374	15.391	VV	756	5185	0.08%	0.006%
281	15.395	15.391	15.415	VV	472	3196	0.05%	0.004%
282	15.458	15.415	15.500	VV	1688	44956	0.69%	0.051%
283	15.524	15.500	15.544	VV	3026	40897	0.63%	0.047%
284	15.563	15.544	15.587	VV	1462	23032	0.35%	0.026%
285	15.604	15.587	15.624	VV	1079	17308	0.27%	0.020%
286	15.669	15.624	15.674	VV	1910	33039	0.51%	0.038%
287	15.685	15.674	15.724	VV	2147	39177	0.60%	0.045%
288	15.736	15.724	15.740	VV	663	5344	0.08%	0.006%
289	15.765	15.740	15.790	VV	1620	28358	0.43%	0.032%
290	15.801	15.790	15.819	VV	726	10947	0.17%	0.012%
291	15.820	15.819	15.826	VV	662	2318	0.04%	0.003%
292	15.847	15.826	15.859	VV	986	14918	0.23%	0.017%
293	15.873	15.859	15.907	VV	1024	21293	0.33%	0.024%
294	15.939	15.907	15.977	VV	23285	316301	4.85%	0.361%
295	15.983	15.977	15.990	VV	469	3356	0.05%	0.004%
296	15.995	15.990	16.004	VV	451	3272	0.05%	0.004%
297	16.009	16.004	16.028	VV	415	4086	0.06%	0.005%
298	16.032	16.028	16.052	VV	310	2383	0.04%	0.003%
299	16.088	16.066	16.096	PV	472	5315	0.08%	0.006%

					rteres			
300	16.128	16.096	16.176	VV	933	27832	0.43%	0.032%
301	16.189	16.176	16.210	VV	441	6588	0.10%	0.008%
302	16.225	16.210	16.256	VV	772	13530	0.21%	0.015%
303	16.270	16.256	16.282	VV	492	6528	0.10%	0.007%
304	16.324	16.282	16.356	VV	1104	31253	0.48%	0.036%
305	16.410	16.356	16.425	VV	231205	3021520	46.31%	3.448%
306	16.443	16.425	16.477	VV	254412	2908651	44.58%	3.319%
307	16.501	16.477	16.517	VV	1446	23486	0.36%	0.027%
308	16.542	16.517	16.572	VV	4351	83709	1.28%	0.096%
309	16.576	16.572	16.615	VV	1183	21641	0.33%	0.025%
310	16.656	16.615	16.675	VV	1822	33130	0.51%	0.038%
311	16.689	16.675	16.694	VV	993	9076	0.14%	0.010%
312	16.727	16.694	16.752	VV	8288	119826	1.84%	0.137%
313	16.789	16.752	16.830	VV	237286	2875120	44.07%	3.281%
314	16.885	16.830	16.916	VV	27302	377869	5.79%	0.431%
315	16.937	16.916	16.979	VV	1369	27854	0.43%	0.032%
316	17.022	16.979	17.029	VV	1013	18354	0.28%	0.021%
317	17.036	17.029	17.062	VV	1013	14084	0.22%	0.016%
318	17.067	17.062	17.079	VV	402	3237	0.05%	0.004%
319	17.091	17.079	17.107	VV	451	5571	0.09%	0.006%
320	17.146	17.107	17.231	VV	1843	65265	1.00%	0.074%
321	17.246	17.231	17.258	VV	874	10944	0.17%	0.012%
322	17.282	17.258	17.294	VV	1182	20079	0.31%	0.023%
323	17.310	17.294	17.319	VV	1240	14215	0.22%	0.016%
324	17.336	17.319	17.354	VV	1863	27310	0.42%	0.031%
325	17.363	17.354	17.384	VV	829	12272	0.19%	0.014%
326	17.391	17.384	17.400	VV	664	5119	0.08%	0.006%
327	17.438	17.400	17.460	VV	1525	28936	0.44%	0.033%
328	17.464	17.460	17.470	VV	585	2250	0.03%	0.003%
329	17.485	17.470	17.497	VV	604	6546	0.10%	0.007%
330	17.512	17.497	17.536	VV	595	10324	0.16%	0.012%
331	17.553	17.536	17.590	VV	571	9091	0.14%	0.010%
332	17.601	17.590	17.607	PV	328	1606	0.02%	0.002%
333	17.626	17.607	17.645	VV	579	5841	0.09%	0.007%
334	17.664	17.645	17.687	VV	389	5795	0.09%	0.007%
335	17.703	17.687	17.710	VV	520	4524	0.07%	0.005%
336	17.771	17.710	17.802	VV	22200	324398	4.97%	0.370%
337	17.864	17.802	17.892	VV	826	27259	0.42%	0.031%
338	17.934	17.892	17.970	VV	1126	34210	0.52%	0.039%
339	17.984	17.970	18.022	VV	480	10885	0.17%	0.012%
340	18.056	18.022	18.108	VV	2369	52502	0.80%	0.060%
341	18.155	18.108	18.171	VV	227598	2941594	45.09%	3.357%
342	18.194	18.171	18.258	VV	220955	2769736	42.45%	3.161%
343	18.282	18.258	18.297	VV	2251	30798	0.47%	0.035%
344	18.314	18.297	18.341	VV	1960	32113	0.49%	0.037%
345	18.345	18.341	18.366	VV	533	7173	0.11%	0.008%
346	18.409	18.366	18.443	VV	215253	2740026	42.00%	3.127%
347	18.450	18.443	18.469	VV	945	11307	0.17%	0.013%
348	18.477	18.469	18.482	VV	889	5456	0.08%	0.006%
349	18.487	18.482	18.505	VV	870	10037	0.15%	0.011%
350	18.530	18.505	18.562	VV	2862	43225	0.66%	0.049%
351	18.600	18.562	18.657	VV	21894	318107	4.88%	0.363%

					rt	Area	Area%	Area%
352	18.705	18.657	18.724	VV	657	16852	0.26%	0.019%
353	18.728	18.724	18.732	VV	273	1114	0.02%	0.001%
354	18.750	18.732	18.757	VV	534	4830	0.07%	0.006%
355	18.761	18.757	18.788	VV	492	5876	0.09%	0.007%
356	18.833	18.788	18.856	PV	573	14056	0.22%	0.016%
357	18.864	18.856	18.892	VV	537	5610	0.09%	0.006%
358	18.910	18.900	18.920	VV	193	1233	0.02%	0.001%
359	18.963	18.920	18.980	PV	1340	14095	0.22%	0.016%
Sum of corrected areas:						87635738		

Aromatic EPH 052425.M Fri Jun 13 22:45:04 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069166.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jun 2025 22:50
 Operator : YP/AJ
 Sample : Q2177-02MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

B-187-SB01MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e

Quant Time: Jun 12 06:06:53 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M

Quant Title : GC Extractables

Qlast Update : Tue May 27 01:48:55 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.118	6098846	67.981 ug/ml
Spiked Amount 50.000		Recovery =	135.96%
Target Compounds			
1) T n-Nonane (C9)	3.404	2206907	20.796 ug/ml
2) T n-Decane (C10)	4.479	2703700	25.529 ug/mlm
4) T n-Dodecane (C12)	6.507	3279378	31.196 ug/ml
6) T n-Tetradecane (C14)	8.307	3644091	35.551 ug/ml
7) T n-Hexadecane (C16)	9.911	3446165	33.963 ug/ml
8) T n-Octadecane (C18)	11.356	3399983	34.019 ug/ml
10) T n-Eicosane (C20)	12.669	3460700	35.532 ug/ml
11) T n-Heneicosane (C21)	13.282	3301753	34.303 ug/ml
13) T n-Docosane (C22)	13.869	3282558	34.456 ug/ml
14) T n-Tetracosane (C24)	14.975	3280063	34.838 ug/ml
15) T n-Hexacosane (C26)	15.998	3253279	35.041 ug/ml
16) T n-Octacosane (C28)	16.949	3217537	34.615 ug/ml
17) T n-Tricontane (C30)	17.839	3242305	33.510 ug/ml
18) T n-Dotriacontane (C32)	18.674	3276603	33.064 ug/ml
19) T n-Tetratriacontane (C34)	19.459	3328230	34.533 ug/ml
20) T n-Hexatriacontane (C36)	20.201	3277362	34.524 ug/ml
21) T n-Octatriacontane (C38)	20.970	3206710	35.148 ug/ml
22) T n-Tetracontane (C40)	21.939	2906027	32.935 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069166.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 22:50
Operator : YP/AJ
Sample : Q2177-02MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

B-187-SB01MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File: autoint1.e

Quant Time: Jun 12 06:06:53 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M

Quant Title : GC Extractables

QLast Update : Tue May 27 01:48:55 2025

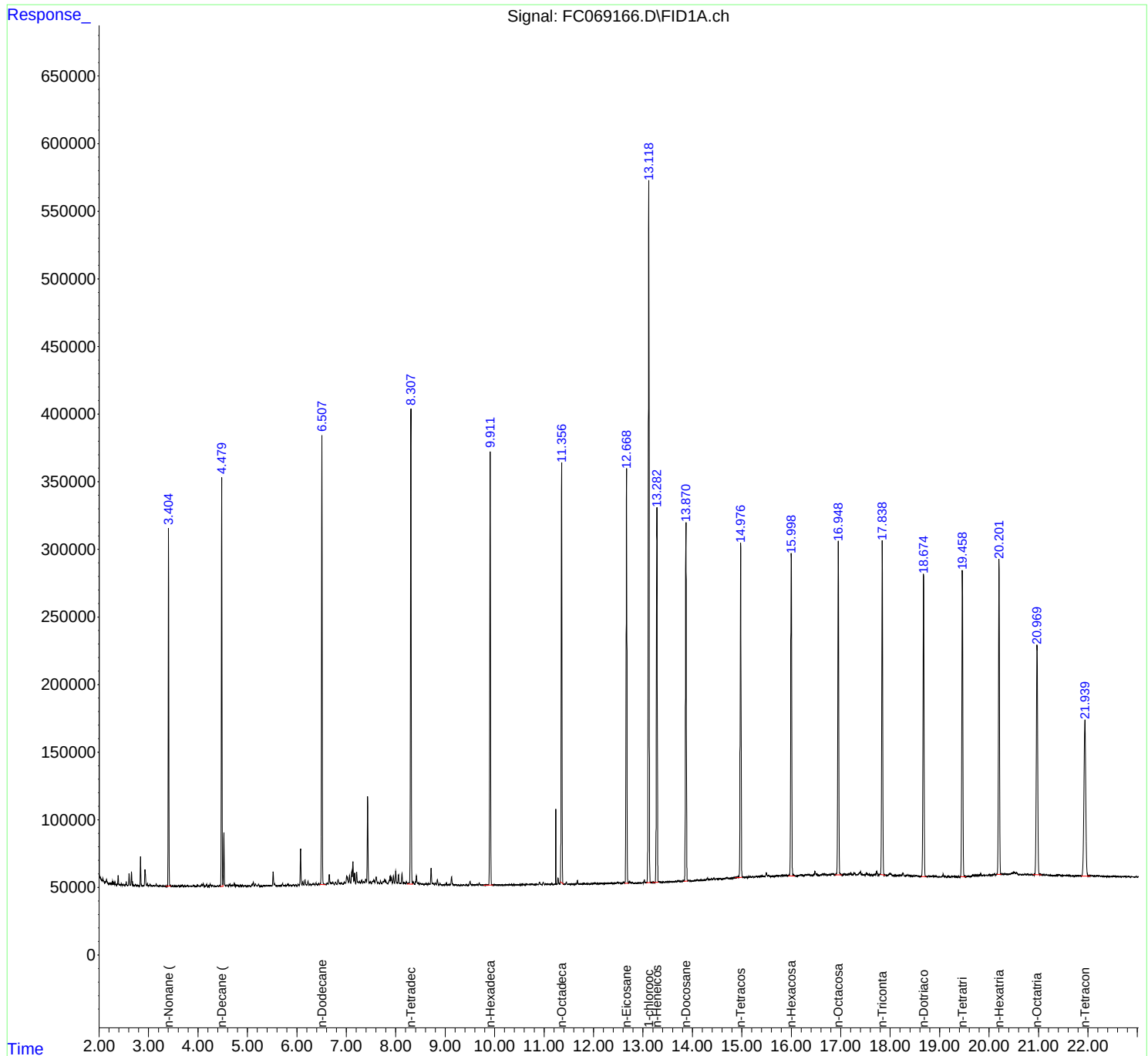
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



rteres

Instrument :

FID_C

ClientSampleId :

B-187-SB01MSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06112
 Data File : FC069166.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jun 2025 22:50
 Sample : Q2177-02MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.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	3.229	3.204	3.243	BV	373	3610	0.06%	0.004%
2	3.252	3.243	3.281	VV	183	2110	0.03%	0.002%
3	3.299	3.281	3.325	VV	185	2590	0.04%	0.003%
4	3.352	3.325	3.364	PV	94	1175	0.02%	0.001%
5	3.404	3.364	3.488	VV	264351	2216208	36.10%	2.585%
6	3.507	3.488	3.521	VV	173	2257	0.04%	0.003%
7	3.529	3.521	3.571	VV	279	4536	0.07%	0.005%
8	3.609	3.571	3.637	VV	444	7355	0.12%	0.009%
9	3.682	3.637	3.708	VV	697	11955	0.19%	0.014%
10	3.732	3.708	3.761	VV	481	7710	0.13%	0.009%
11	3.782	3.761	3.809	PV	816	10927	0.18%	0.013%
12	3.848	3.809	3.870	VV	308	7827	0.13%	0.009%
13	3.904	3.870	3.942	VV	781	12835	0.21%	0.015%
14	3.953	3.942	3.968	VV	222	1957	0.03%	0.002%
15	3.992	3.968	4.039	VV	699	15288	0.25%	0.018%
16	4.078	4.039	4.092	VV	1761	22765	0.37%	0.027%
17	4.107	4.092	4.127	VV	2344	23251	0.38%	0.027%
18	4.143	4.127	4.154	VV	461	5166	0.08%	0.006%
19	4.174	4.154	4.198	VV	1811	18764	0.31%	0.022%
20	4.209	4.198	4.224	VV	212	3032	0.05%	0.004%
21	4.246	4.224	4.275	VV	1485	23918	0.39%	0.028%
22	4.288	4.275	4.365	VV	660	13833	0.23%	0.016%
23	4.398	4.365	4.416	PV	382	6346	0.10%	0.007%
24	4.437	4.416	4.454	VV	389	5687	0.09%	0.007%
25	4.480	4.454	4.505	VV	300503	2704184	44.05%	3.155%
26	4.524	4.505	4.569	VV	39776	363362	5.92%	0.424%
27	4.587	4.569	4.613	VV	1230	15239	0.25%	0.018%
28	4.634	4.613	4.670	VV	1541	29871	0.49%	0.035%
29	4.684	4.670	4.693	VV	723	7060	0.12%	0.008%
30	4.706	4.693	4.720	VV	1103	11295	0.18%	0.013%
31	4.736	4.720	4.753	VV	2512	23513	0.38%	0.027%
32	4.767	4.753	4.779	VV	931	9014	0.15%	0.011%
33	4.790	4.779	4.805	VV	748	9153	0.15%	0.011%
34	4.813	4.805	4.830	VV	549	5374	0.09%	0.006%
35	4.856	4.830	4.875	VV	779	10714	0.17%	0.012%
36	4.896	4.875	4.915	VV	682	9321	0.15%	0.011%

Instrument : FID_C									
ClientSampleId : B-187-SB01MSD									
Manual IntegrationsAPPROVED									
Reviewed By :Yogesh Patel 06/12/2025									
Supervised By :mohammad ahmed 06/13/2025									
					retention				
37	4.933	4.915	4.945	VV	289	4266	0.07%	0.005%	
38	4.960	4.945	4.982	VV	746	7446			
39	5.006	4.982	5.020	VV	317	3831			
40	5.037	5.020	5.067	VV	502	7257			
41	5.092	5.067	5.103	PV	1588	16117			
42	5.120	5.103	5.144	VV	3096	37779			
43	5.162	5.144	5.193	VV	1846	25020	0.41%	0.029%	
44	5.225	5.193	5.271	VV	1709	22737	0.37%	0.027%	
45	5.281	5.271	5.299	PV	130	1639	0.03%	0.002%	
46	5.325	5.299	5.358	VV	694	11106	0.18%	0.013%	
47	5.386	5.358	5.403	VV	477	9563	0.16%	0.011%	
48	5.417	5.403	5.430	VV	415	5187	0.08%	0.006%	
49	5.446	5.430	5.460	VV	342	5437	0.09%	0.006%	
50	5.474	5.460	5.496	VV	341	5742	0.09%	0.007%	
51	5.521	5.496	5.542	VV	10781	109842	1.79%	0.128%	
52	5.554	5.542	5.578	VV	1468	21104	0.34%	0.025%	
53	5.591	5.578	5.604	VV	377	4593	0.07%	0.005%	
54	5.618	5.604	5.631	VV	365	4318	0.07%	0.005%	
55	5.679	5.631	5.689	VV	454	10980	0.18%	0.013%	
56	5.711	5.689	5.741	VV	2028	26667	0.43%	0.031%	
57	5.770	5.741	5.784	VV	685	11409	0.19%	0.013%	
58	5.823	5.784	5.853	VV	1410	32237	0.53%	0.038%	
59	5.872	5.853	5.903	VV	1006	16583	0.27%	0.019%	
60	5.922	5.903	5.956	VV	1020	19507	0.32%	0.023%	
61	5.976	5.956	6.004	VV	1104	16387	0.27%	0.019%	
62	6.025	6.004	6.045	VV	1084	17829	0.29%	0.021%	
63	6.076	6.045	6.104	VV	27669	291897	4.75%	0.341%	
64	6.122	6.104	6.141	VV	3343	42246	0.69%	0.049%	
65	6.164	6.141	6.197	VV	4637	66273	1.08%	0.077%	
66	6.226	6.197	6.248	VV	3749	53107	0.87%	0.062%	
67	6.265	6.248	6.288	VV	1339	25280	0.41%	0.029%	
68	6.319	6.288	6.329	VV	1190	26254	0.43%	0.031%	
69	6.345	6.329	6.368	VV	1944	30566	0.50%	0.036%	
70	6.389	6.368	6.414	VV	2100	36529	0.60%	0.043%	
71	6.442	6.414	6.458	VV	1785	33205	0.54%	0.039%	
72	6.468	6.458	6.474	VV	1342	12858	0.21%	0.015%	
73	6.507	6.474	6.558	VV	333094	3327138	54.20%	3.881%	
74	6.570	6.558	6.584	VV	1334	18661	0.30%	0.022%	
75	6.622	6.584	6.635	VV	1988	48411	0.79%	0.056%	
76	6.656	6.635	6.679	VV	8413	114633	1.87%	0.134%	
77	6.689	6.679	6.713	VV	2607	46518	0.76%	0.054%	
78	6.728	6.713	6.761	VV	3037	54353	0.89%	0.063%	
79	6.781	6.761	6.808	VV	2843	55029	0.90%	0.064%	
80	6.834	6.808	6.859	VV	4741	86045	1.40%	0.100%	
81	6.867	6.859	6.881	VV	2151	25707	0.42%	0.030%	
82	6.896	6.881	6.931	VV	2234	54770	0.89%	0.064%	
83	6.966	6.931	6.986	VV	2582	65594	1.07%	0.077%	
84	7.008	6.986	7.048	VV	7206	172914	2.82%	0.202%	
85	7.067	7.048	7.090	VV	7797	112863	1.84%	0.132%	
86	7.111	7.090	7.120	VV	10519	117709	1.92%	0.137%	
87	7.135	7.120	7.153	VV	17893	213509	3.48%	0.249%	
88	7.168	7.153	7.190	VV	9494	114454	1.86%	0.134%	
89	7.210	7.190	7.252	VV	10154	162684	2.65%	0.190%	

							Instrument : FID_C	
							ClientSampleId : B-187-SB01MSD	
90	7.267	7.252	7.283	VV	3425	51015	0.83%	0.060%
91	7.313	7.283	7.331	VV	4490	88134	Manual IntegrationsAPPROVED	
92	7.357	7.331	7.374	VV	3078	67350		
93	7.394	7.374	7.408	VV	4915	75121	Reviewed By :Yogesh Patel 06/12/2025	
94	7.432	7.408	7.463	VV	64989	703342	Supervised By :mohammad ahmed 06/13/2025	
95	7.484	7.463	7.510	VV	2842	69071		
96	7.554	7.510	7.581	VV	4117	135892	2.21%	0.159%
97	7.605	7.581	7.632	VV	6439	129686	2.11%	0.151%
98	7.645	7.632	7.671	VV	2758	49449	0.81%	0.058%
99	7.693	7.671	7.716	VV	3376	62439	1.02%	0.073%
100	7.747	7.716	7.758	VV	3232	62059	1.01%	0.072%
101	7.775	7.758	7.791	VV	4724	72563	1.18%	0.085%
102	7.800	7.791	7.836	VV	3257	62220	1.01%	0.073%
103	7.888	7.836	7.902	VV	7191	147916	2.41%	0.173%
104	7.913	7.902	7.933	VV	6178	79080	1.29%	0.092%
105	7.955	7.933	7.977	VV	7284	104927	1.71%	0.122%
106	8.000	7.977	8.031	VV	10692	158098	2.58%	0.184%
107	8.057	8.031	8.080	VV	8163	114617	1.87%	0.134%
108	8.127	8.080	8.151	VV	8996	146244	2.38%	0.171%
109	8.166	8.151	8.198	VV	2125	52967	0.86%	0.062%
110	8.217	8.198	8.236	VV	2830	45927	0.75%	0.054%
111	8.307	8.236	8.339	VV	353153	3714421	60.51%	4.333%
112	8.354	8.339	8.377	VV	2722	44573	0.73%	0.052%
113	8.420	8.377	8.441	VV	7412	124628	2.03%	0.145%
114	8.452	8.441	8.481	VV	2107	39348	0.64%	0.046%
115	8.500	8.481	8.521	VV	1509	31020	0.51%	0.036%
116	8.535	8.521	8.569	VV	1169	29319	0.48%	0.034%
117	8.619	8.569	8.645	VV	1346	45422	0.74%	0.053%
118	8.667	8.645	8.694	VV	1533	33531	0.55%	0.039%
119	8.716	8.694	8.741	VV	12911	153760	2.50%	0.179%
120	8.755	8.741	8.780	VV	1810	29849	0.49%	0.035%
121	8.797	8.780	8.821	VV	1918	29157	0.47%	0.034%
122	8.843	8.821	8.874	VV	4314	62799	1.02%	0.073%
123	8.895	8.874	8.941	VV	1456	26586	0.43%	0.031%
124	8.964	8.941	8.979	VV	453	8074	0.13%	0.009%
125	9.025	8.979	9.051	VV	1331	29754	0.48%	0.035%
126	9.068	9.051	9.104	VV	667	15904	0.26%	0.019%
127	9.130	9.104	9.175	VV	6344	89993	1.47%	0.105%
128	9.187	9.175	9.197	VV	314	3550	0.06%	0.004%
129	9.214	9.197	9.244	VV	499	7466	0.12%	0.009%
130	9.267	9.244	9.299	VV	256	4412	0.07%	0.005%
131	9.320	9.299	9.338	VV	224	3016	0.05%	0.004%
132	9.371	9.338	9.382	VV	287	5570	0.09%	0.006%
133	9.387	9.382	9.403	VV	230	1761	0.03%	0.002%
134	9.430	9.403	9.470	VV	413	7392	0.12%	0.009%
135	9.504	9.470	9.534	PV	2879	39220	0.64%	0.046%
136	9.550	9.534	9.568	VV	645	7949	0.13%	0.009%
137	9.593	9.568	9.614	VV	272	5897	0.10%	0.007%
138	9.643	9.614	9.667	VV	583	10765	0.18%	0.013%
139	9.689	9.667	9.737	VV	1858	23500	0.38%	0.027%
140	9.754	9.737	9.771	VV	190	2467	0.04%	0.003%
141	9.777	9.771	9.798	VV	145	1899	0.03%	0.002%

rteres									
142	9.828	9.798	9.873	VV	437	9603	0.16%	0.011%	
143	9.911	9.873	9.977	VV	319195	3449253	56.19%	4.024%	
144	9.988	9.977	10.034	VV	231	4618	0.03%	0.002%	
145	10.042	10.034	10.073	VV	85	1731	0.04%	0.003%	
146	10.084	10.073	10.111	VV	157	2047	0.02%	0.002%	
147	10.122	10.111	10.141	PV	79	1379	0.03%	0.002%	
148	10.155	10.141	10.168	VV	158	1439	0.02%	0.002%	
149	10.179	10.168	10.205	VV	107	1684	0.03%	0.002%	
150	10.223	10.205	10.246	PV	185	2736	0.04%	0.003%	
151	10.262	10.246	10.271	VV	202	2314	0.04%	0.003%	
152	10.303	10.271	10.321	VV	356	7274	0.12%	0.008%	
153	10.345	10.321	10.364	VV	264	5157	0.08%	0.006%	
154	10.389	10.364	10.451	VV	306	9241	0.15%	0.011%	
155	10.461	10.451	10.498	VV	162	2908	0.05%	0.003%	
156	10.551	10.498	10.564	VV	291	7893	0.13%	0.009%	
157	10.577	10.564	10.618	VV	326	7700	0.13%	0.009%	
158	10.651	10.618	10.681	VV	676	12256	0.20%	0.014%	
159	10.704	10.681	10.730	VV	489	9275	0.15%	0.011%	
160	10.747	10.730	10.808	VV	542	15349	0.25%	0.018%	
161	10.835	10.808	10.857	VV	256	5048	0.08%	0.006%	
162	10.909	10.857	10.950	VV	2059	30723	0.50%	0.036%	
163	10.984	10.950	11.010	VV	1979	27219	0.44%	0.032%	
164	11.026	11.010	11.053	VV	365	6695	0.11%	0.008%	
165	11.077	11.053	11.091	VV	261	4511	0.07%	0.005%	
166	11.104	11.091	11.128	VV	235	2961	0.05%	0.003%	
167	11.158	11.128	11.181	VV	851	10599	0.17%	0.012%	
168	11.214	11.181	11.231	PV	182	2331	0.04%	0.003%	
169	11.238	11.231	11.248	VV	20854	39852	0.65%	0.046%	
170	11.285	11.248	11.317	VV	4795	65539	1.07%	0.076%	
171	11.356	11.317	11.419	VV	310449	3449273	56.19%	4.024%	
172	11.450	11.419	11.481	VV	1615	20448	0.33%	0.024%	
173	11.501	11.481	11.512	VV	144	2112	0.03%	0.002%	
174	11.517	11.512	11.569	VV	127	1952	0.03%	0.002%	
175	11.578	11.569	11.601	VV	152	1333	0.02%	0.002%	
176	11.676	11.601	11.727	PV	2902	38056	0.62%	0.044%	
177	11.750	11.727	11.793	VV	343	8760	0.14%	0.010%	
178	11.812	11.793	11.849	VV	558	10430	0.17%	0.012%	
179	11.866	11.849	11.938	VV	359	9183	0.15%	0.011%	
180	11.982	11.938	11.996	VV	396	8504	0.14%	0.010%	
181	12.024	11.996	12.074	VV	810	17897	0.29%	0.021%	
182	12.079	12.074	12.098	VV	249	2348	0.04%	0.003%	
183	12.141	12.098	12.204	VV	331	14090	0.23%	0.016%	
184	12.260	12.204	12.276	VV	432	11541	0.19%	0.013%	
185	12.297	12.276	12.310	VV	507	7692	0.13%	0.009%	
186	12.321	12.310	12.341	VV	499	6885	0.11%	0.008%	
187	12.361	12.341	12.388	VV	548	10318	0.17%	0.012%	
188	12.404	12.388	12.420	VV	353	6391	0.10%	0.007%	
189	12.488	12.420	12.508	VV	1114	31130	0.51%	0.036%	
190	12.530	12.508	12.562	VV	752	15051	0.25%	0.018%	
191	12.607	12.562	12.630	VV	1060	18614	0.30%	0.022%	
192	12.669	12.630	12.706	VV	304145	3471486	56.55%	4.050%	
193	12.731	12.706	12.761	VV	1782	28712	0.47%	0.033%	
194	12.786	12.761	12.861	VV	848	21572	0.35%	0.025%	

Instrument :

FID_C

ClientSampleId :

B-187-SB01MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

							Instrument : FID_C		A
							ClientSampleId : B-187-SB01MSD		
195	12.875	12.861	12.894	VV	306	4532	0.07%	0.005%	B
196	12.922	12.894	12.959	VV	441	12295	Manual IntegrationsAPPROVED		C
197	12.981	12.959	13.003	VV	337	7993			D
198	13.029	13.003	13.055	VV	2514	35645	Reviewed By :Yogesh Patel 06/12/2025		E
199	13.118	13.055	13.201	VV	515763	6138838	Supervised By :mohammad ahmed 06/13/2025		F
200	13.223	13.201	13.243	VV	827	14542			G
201	13.282	13.243	13.316	VV	277680	3328588	54.22%	3.883%	H
202	13.332	13.316	13.353	VV	1200	19496	0.32%	0.023%	I
203	13.377	13.353	13.431	VV	746	28520	0.46%	0.033%	J
204	13.454	13.431	13.472	VV	916	17087	0.28%	0.020%	
205	13.514	13.472	13.528	VV	775	24411	0.40%	0.028%	
206	13.551	13.528	13.560	VV	998	16882	0.28%	0.020%	
207	13.573	13.560	13.613	VV	946	27462	0.45%	0.032%	
208	13.628	13.613	13.641	VV	1002	14634	0.24%	0.017%	
209	13.659	13.641	13.678	VV	1316	22596	0.37%	0.026%	
210	13.712	13.678	13.753	VV	1561	52201	0.85%	0.061%	
211	13.763	13.753	13.796	VV	1076	26518	0.43%	0.031%	
212	13.816	13.796	13.831	VV	1849	31554	0.51%	0.037%	
213	13.869	13.831	13.908	VV	270501	3335961	54.34%	3.892%	
214	13.927	13.908	13.945	VV	1724	32669	0.53%	0.038%	
215	13.957	13.945	13.969	VV	1298	17934	0.29%	0.021%	
216	13.998	13.969	14.010	VV	1421	32444	0.53%	0.038%	
217	14.022	14.010	14.043	VV	1412	27108	0.44%	0.032%	
218	14.097	14.043	14.128	VV	2011	82653	1.35%	0.096%	
219	14.162	14.128	14.176	VV	1757	46819	0.76%	0.055%	
220	14.193	14.176	14.218	VV	1756	41486	0.68%	0.048%	
221	14.264	14.218	14.273	VV	1941	57602	0.94%	0.067%	
222	14.304	14.273	14.326	VV	3307	77653	1.26%	0.091%	
223	14.336	14.326	14.358	VV	2203	40072	0.65%	0.047%	
224	14.385	14.358	14.409	VV	2815	70199	1.14%	0.082%	
225	14.431	14.409	14.462	VV	3200	80542	1.31%	0.094%	
226	14.501	14.462	14.519	VV	2577	80346	1.31%	0.094%	
227	14.571	14.519	14.591	VV	2546	104063	1.70%	0.121%	
228	14.597	14.591	14.607	VV	2373	22805	0.37%	0.027%	
229	14.637	14.607	14.664	VV	2786	86826	1.41%	0.101%	
230	14.695	14.664	14.742	VV	3401	135001	2.20%	0.157%	
231	14.753	14.742	14.768	VV	2661	42042	0.68%	0.049%	
232	14.831	14.768	14.847	VV	3455	136739	2.23%	0.160%	
233	14.915	14.847	14.936	VV	3839	181828	2.96%	0.212%	
234	14.975	14.936	15.012	VV	248925	3417253	55.67%	3.986%	
235	15.027	15.012	15.045	VV	3880	71820	1.17%	0.084%	
236	15.055	15.045	15.072	VV	3524	53536	0.87%	0.062%	
237	15.083	15.072	15.095	VV	3312	45089	0.73%	0.053%	
238	15.112	15.095	15.134	VV	3374	76365	1.24%	0.089%	
239	15.165	15.134	15.211	VV	3838	161758	2.63%	0.189%	
240	15.224	15.211	15.239	VV	3821	60313	0.98%	0.070%	
241	15.252	15.239	15.268	VV	3670	61762	1.01%	0.072%	
242	15.294	15.268	15.314	VV	4015	105409	1.72%	0.123%	
243	15.324	15.314	15.341	VV	3836	59852	0.97%	0.070%	
244	15.414	15.341	15.467	VV	4234	291395	4.75%	0.340%	
245	15.494	15.467	15.523	VV	6418	164335	2.68%	0.192%	
246	15.540	15.523	15.585	VV	4513	150975	2.46%	0.176%	

							Instrument : FID_C		A
							ClientSampleId : B-187-SB01MSD		
rteres							0.97% 0.070%		B
							Manual IntegrationsAPPROVED		C
							Reviewed By :Yogesh Patel 06/12/2025 Supervised By :mohammad ahmed 06/13/2025		D
247	15.599	15.585	15.612	VV	3867	59603			E
248	15.635	15.612	15.651	VV	4047	88482			F
249	15.674	15.651	15.707	VV	4096	130969			G
250	15.721	15.707	15.751	VV	4236	107217			H
251	15.760	15.751	15.783	VV	4218	78373			I
252	15.809	15.783	15.838	VV	4448	138288			J
253	15.848	15.838	15.856	VV	4421	48208	0.79%	0.056%	
254	15.871	15.856	15.907	VV	4375	130623	2.13%	0.152%	
255	15.922	15.907	15.938	VV	4302	74862	1.22%	0.087%	
256	15.998	15.938	16.115	VV	242873	3660723	59.63%	4.270%	
257	16.171	16.115	16.184	VV	4428	167672	2.73%	0.196%	
258	16.192	16.184	16.265	VV	4622	206067	3.36%	0.240%	
259	16.303	16.265	16.334	VV	4747	184476	3.01%	0.215%	
260	16.345	16.334	16.388	VV	4709	146150	2.38%	0.170%	
261	16.398	16.388	16.420	VV	4206	78966	1.29%	0.092%	
262	16.478	16.420	16.547	VV	7049	366680	5.97%	0.428%	
263	16.562	16.547	16.570	VV	4143	55115	0.90%	0.064%	
264	16.644	16.570	16.662	VV	5023	245586	4.00%	0.286%	
265	16.672	16.662	16.691	VV	4745	79001	1.29%	0.092%	
266	16.700	16.691	16.720	VV	4842	78769	1.28%	0.092%	
267	16.731	16.720	16.744	VV	4412	60610	0.99%	0.071%	
268	16.761	16.744	16.774	VV	4554	80113	1.31%	0.093%	
269	16.823	16.774	16.837	VV	5052	174333	2.84%	0.203%	
270	16.847	16.837	16.889	VV	4930	139609	2.27%	0.163%	
271	16.949	16.889	17.044	VV	250676	3601054	58.66%	4.201%	
272	17.079	17.044	17.101	VV	4706	148734	2.42%	0.174%	
273	17.108	17.101	17.126	VV	4401	64729	1.05%	0.076%	
274	17.143	17.126	17.157	VV	4389	79267	1.29%	0.092%	
275	17.194	17.157	17.224	VV	4963	185593	3.02%	0.217%	
276	17.270	17.224	17.313	VV	5374	244815	3.99%	0.286%	
277	17.328	17.313	17.344	VV	4370	77527	1.26%	0.090%	
278	17.397	17.344	17.424	VV	5848	235281	3.83%	0.274%	
279	17.433	17.424	17.459	VV	4221	84965	1.38%	0.099%	
280	17.527	17.483	17.554	VV	4827	183966	3.00%	0.215%	
281	17.572	17.554	17.591	VV	4149	86546	1.41%	0.101%	
282	17.606	17.591	17.651	VV	3971	135615	2.21%	0.158%	
283	17.694	17.651	17.703	VV	3944	115264	1.88%	0.134%	
284	17.727	17.703	17.771	VV	6193	185026	3.01%	0.216%	
285	17.838	17.771	17.881	VV	250445	3494321	56.92%	4.076%	
286	17.889	17.881	17.944	VV	3616	128409	2.09%	0.150%	
287	17.993	17.944	18.074	VV	4598	285774	4.66%	0.333%	
288	18.099	18.074	18.158	VV	3266	155450	2.53%	0.181%	
289	18.169	18.158	18.181	VV	3012	40500	0.66%	0.047%	
290	18.196	18.181	18.209	VV	3332	54087	0.88%	0.063%	
291	18.220	18.209	18.237	VV	3267	55017	0.90%	0.064%	
292	18.260	18.237	18.293	VV	4762	118205	1.93%	0.138%	
293	18.316	18.293	18.334	VV	2906	68582	1.12%	0.080%	
294	18.361	18.334	18.378	VV	3455	80559	1.31%	0.094%	
295	18.392	18.378	18.434	VV	3006	92665	1.51%	0.108%	
296	18.443	18.434	18.457	VV	2511	32593	0.53%	0.038%	
297	18.480	18.457	18.496	VV	2720	60099	0.98%	0.070%	
298	18.515	18.496	18.548	VV	2718	78665	1.28%	0.092%	
299	18.550	18.548	18.561	VV	2553	19335	0.31%	0.023%	

							Instrument : FID_C		A
							ClientSampleId : B-187-SB01MSD		
300	18.569	18.561	18.591	VV	2390	40896	0.67%	0.048%	
							Manual IntegrationsAPPROVED		B
301	18.603	18.591	18.624	VV	2229	42002	0.67%	0.048%	
302	18.674	18.624	18.758	VV	225620	3434188	55.19%	4.024%	
303	18.785	18.758	18.813	VV	2398	69937	0.35%	0.025%	
304	18.836	18.813	18.846	VV	2217	41513	0.56%	0.040%	
305	18.865	18.846	18.901	VV	2372	68549	0.41%	0.029%	
							Reviewed By :Yogesh Patel 06/12/2025 Supervised By :mohammad ahmed 06/13/2025		D
306	18.925	18.901	18.962	VV	2085	69145	1.13%	0.081%	E
307	18.976	18.962	18.998	VV	1815	36091	0.59%	0.042%	
308	19.015	18.998	19.031	VV	1654	31700	0.52%	0.037%	F
309	19.070	19.031	19.156	VV	3619	147714	2.41%	0.172%	
310	19.178	19.156	19.229	VV	1917	71483	1.16%	0.083%	G
311	19.248	19.229	19.260	VV	1770	29831	0.49%	0.035%	H
312	19.271	19.260	19.286	VV	1726	25431	0.41%	0.030%	
313	19.317	19.286	19.344	VV	1701	54667	0.89%	0.064%	I
314	19.352	19.344	19.367	VV	1584	20781	0.34%	0.024%	
315	19.388	19.367	19.407	VV	1575	35068	0.57%	0.041%	J
316	19.459	19.407	19.547	VV	227959	3449363	56.19%	4.024%	
317	19.562	19.547	19.571	VV	1592	21528	0.35%	0.025%	
318	19.589	19.571	19.607	VV	1708	34597	0.56%	0.040%	
319	19.619	19.607	19.634	VV	1612	25051	0.41%	0.029%	
320	19.673	19.634	19.688	VV	2173	64857	1.06%	0.076%	
321	19.699	19.688	19.708	VV	2265	27304	0.44%	0.032%	
322	19.714	19.708	19.721	VV	2201	16518	0.27%	0.019%	
323	19.741	19.721	19.761	VV	2376	53606	0.87%	0.063%	
324	19.778	19.761	19.794	VV	2179	41095	0.67%	0.048%	
325	19.832	19.794	19.859	VV	3277	97818	1.59%	0.114%	
326	19.893	19.859	19.921	VV	2307	81703	1.33%	0.095%	
327	19.937	19.921	19.948	VV	2258	36028	0.59%	0.042%	
328	19.992	19.948	20.002	VV	2486	77393	1.26%	0.090%	
329	20.014	20.002	20.027	VV	2578	34799	0.57%	0.041%	
330	20.038	20.027	20.051	VV	2353	32916	0.54%	0.038%	
331	20.107	20.051	20.134	VV	2997	128630	2.10%	0.150%	
332	20.201	20.134	20.251	VV	234949	3469415	56.52%	4.047%	
333	20.266	20.251	20.287	VV	2933	61880	1.01%	0.072%	
334	20.297	20.287	20.314	VV	2912	47511	0.77%	0.055%	
335	20.325	20.314	20.349	VV	2974	59279	0.97%	0.069%	
336	20.362	20.349	20.390	VV	2855	69956	1.14%	0.082%	
337	20.507	20.390	20.545	VV	3995	314098	5.12%	0.366%	
338	20.559	20.545	20.598	VV	3752	100481	1.64%	0.117%	
339	20.603	20.598	20.628	VV	2565	44642	0.73%	0.052%	
340	20.634	20.628	20.667	VV	2516	57584	0.94%	0.067%	
341	20.678	20.667	20.695	VV	2462	41614	0.68%	0.049%	
342	20.711	20.695	20.734	VV	2599	58226	0.95%	0.068%	
343	20.765	20.734	20.776	VV	2499	61207	1.00%	0.071%	
344	20.794	20.776	20.837	VV	2441	85437	1.39%	0.100%	
345	20.850	20.837	20.907	VV	2375	91992	1.50%	0.107%	
346	20.970	20.907	21.034	VV	171427	3366157	54.83%	3.927%	
347	21.044	21.034	21.104	VV	2285	87302	1.42%	0.102%	
348	21.117	21.104	21.135	VV	1955	35404	0.58%	0.041%	
349	21.151	21.135	21.188	VV	1883	55774	0.91%	0.065%	
350	21.193	21.188	21.248	VV	1732	57450	0.94%	0.067%	
351	21.253	21.248	21.280	VV	1551	28256	0.46%	0.033%	

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352	21.318	21.280	21.328	VV	1436	39433	0.64%	0.046%	
353	21.357	21.328	21.378	VV	1427	40748			
354	21.414	21.378	21.464	VV	1939	81085			
355	21.474	21.464	21.488	VV	1248	17043			
356	21.514	21.488	21.541	VV	1288	39761			
357	21.550	21.541	21.644	VV	1280	69496			
358	21.656	21.644	21.695	VV	939	27094	0.44%	0.032%	
359	21.705	21.695	21.731	VV	870	18090	0.29%	0.021%	
360	21.745	21.731	21.763	VV	911	15948	0.26%	0.019%	
361	21.794	21.763	21.863	VV	1039	50096	0.82%	0.058%	
362	21.939	21.863	22.093	VV	11545	2997687	48.83%	3.497%	
363	22.107	22.093	22.117	VV	696	9626	0.16%	0.011%	
364	22.133	22.117	22.211	VV	707	32541	0.53%	0.038%	
365	22.218	22.211	22.372	VV	580	31274	0.51%	0.036%	

Sum of corrected areas: 85722590

Aliphatic EPH 052425.M Thu Jun 12 07:05:00 2025

Instrument :

FID_C

ClientSampleId :

B-187-SB01MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
 Data File : FD049485.D
 Signal(s) : FID2B.ch
 Acq On : 13 Jun 2025 10:28
 Operator : YP/AJ
 Sample : Q2177-02MSD
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-187-SB01MSD

Integration File: autoint1.e
 Quant Time: Jun 13 21:20:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 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...	7.733	6422490	38.635 ug/ml
Spiked Amount 50.000		Recovery =	77.27%
6) S 2-Fluorobiphenyl (SURR)	8.599	4310794	37.683 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	75.37%
11) S ortho-Terphenyl (SURR)	11.644	6612603	32.944 ug/ml
Spiked Amount 50.000		Recovery =	65.89%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.524	2066500	12.988 ug/ml
2) T Naphthalene (C11.7)	6.067	2554939	14.551 ug/ml
3) T 2-Methylnaphthalene (...)	7.121	2609761	14.608 ug/ml
5) T Acenaphthylene (C15.06)	8.401	3078661	15.893 ug/ml
7) T Acenaphthene (C15.5)	8.696	3179562	16.715 ug/ml
8) T Flouorene (C16.55)	9.477	3339048	17.078 ug/ml
9) T Phenanthrene (C19.36)	10.876	3627949	19.080 ug/ml
10) T Anthracene (C19.43)	10.950	3257528	18.634 ug/ml
12) T Fluoranthene (C21.85)	12.690	3658473	20.282 ug/ml
13) T Pyrene (C20.8)	12.988	3565559	19.977 ug/ml
14) T Benzo[a]anthracene (C...	14.859	3096764	20.375 ug/ml
15) T Chrysene (C27.41)	14.902	3386617	22.302 ug/ml
16) T benzo[b]fluoranthene ...	16.409	3021110	20.872 ug/ml
17) T Bnezo[k]fluoranthene ...	16.442	2904297	20.239 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.789	2870129	21.117 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.153	2943227	23.042 ug/ml
20) T Dibenz[a,h]anthracene...	18.193	2786556	20.699 ug/ml
21) T Benzo[g,h,i]perylene ...	18.409	2739045	20.322 ug/ml

(f)=RT Delta > 1/2 Window

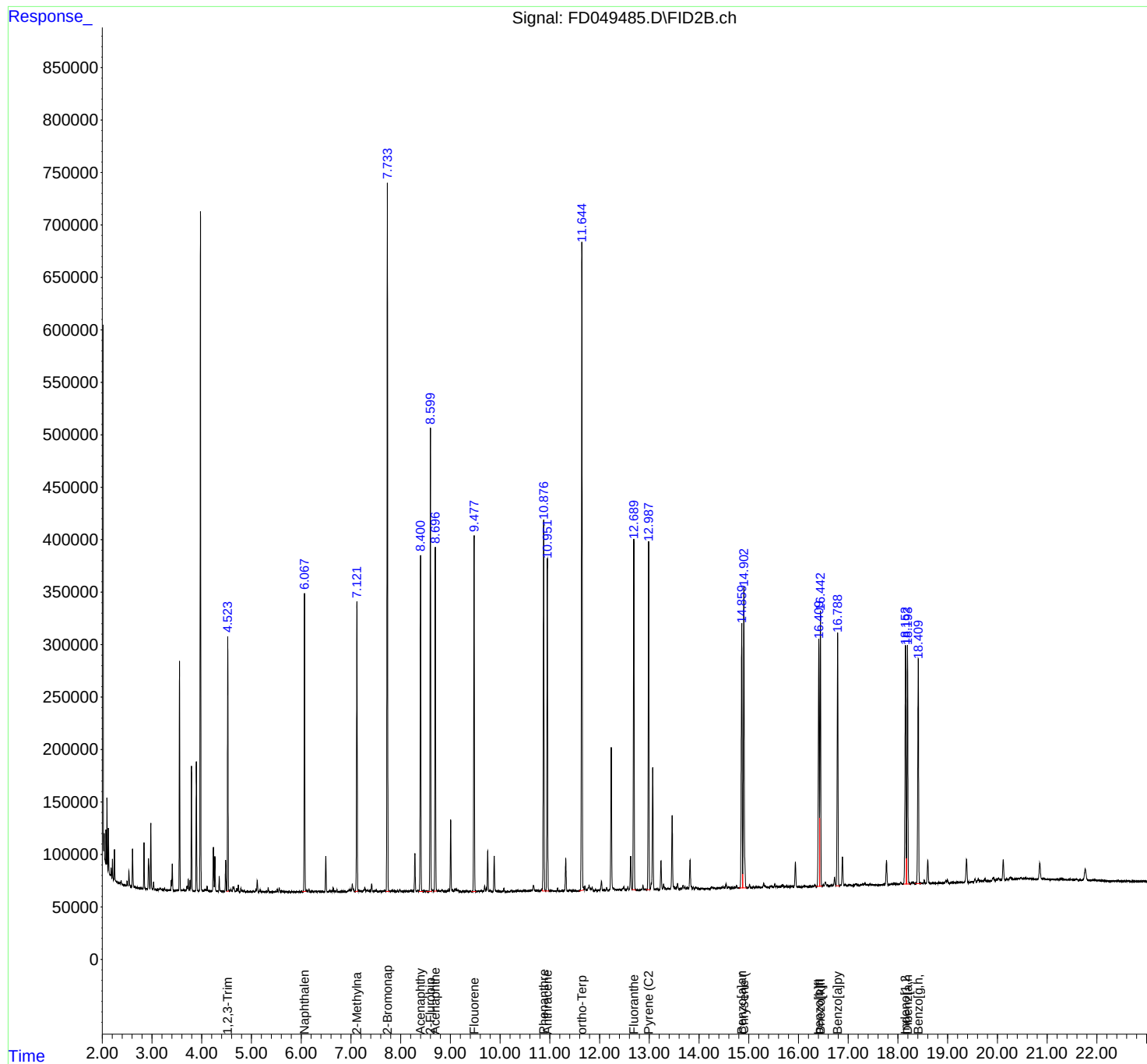
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
Data File : FD049485.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 10:28
Operator : YP/AJ
Sample : Q2177-02MSD
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-187-SB01MSD

Integration File: autoint1.e
Quant Time: Jun 13 21:20:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
 Data File : FD049485.D
 Signal(s) : FID2B.ch
 Acq On : 13 Jun 2025 10:28
 Sample : Q2177-02MSD
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.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	4.308	PH	33372	289960	4.36%	0.327%
2	4.323	4.308	4.331	PV	317	2173	0.03%	0.002%
3	4.352	4.331	4.370	PV	14111	111883	1.68%	0.126%
4	4.373	4.370	4.404	VV	899	8077	0.12%	0.009%
5	4.414	4.404	4.425	VV	230	2074	0.03%	0.002%
6	4.430	4.425	4.451	VV	545	3278	0.05%	0.004%
7	4.481	4.458	4.502	PV	30062	265773	3.99%	0.299%
8	4.524	4.502	4.549	VV	242594	2080660	31.25%	2.343%
9	4.562	4.549	4.572	VV	1174	12949	0.19%	0.015%
10	4.586	4.572	4.610	VV	2354	30661	0.46%	0.035%
11	4.630	4.610	4.641	VV	5058	54585	0.82%	0.061%
12	4.650	4.641	4.677	VV	4281	42921	0.64%	0.048%
13	4.706	4.677	4.719	VV	3330	34594	0.52%	0.039%
14	4.736	4.719	4.758	VV	6495	61886	0.93%	0.070%
15	4.788	4.758	4.804	VV	3495	32077	0.48%	0.036%
16	4.815	4.804	4.842	VV	1585	18625	0.28%	0.021%
17	4.853	4.842	4.885	VV	834	9747	0.15%	0.011%
18	4.899	4.885	4.914	PV	253	2744	0.04%	0.003%
19	4.927	4.914	4.944	VV	575	5406	0.08%	0.006%
20	4.954	4.944	4.966	VV	293	2869	0.04%	0.003%
21	4.978	4.966	4.982	VV	447	2857	0.04%	0.003%
22	4.986	4.982	5.006	VV	509	4825	0.07%	0.005%
23	5.038	5.006	5.066	VV	758	15795	0.24%	0.018%
24	5.090	5.066	5.099	VV	2455	24217	0.36%	0.027%
25	5.116	5.099	5.148	VV	11171	121229	1.82%	0.137%
26	5.173	5.148	5.209	VV	2332	31720	0.48%	0.036%
27	5.224	5.209	5.242	VV	663	8477	0.13%	0.010%
28	5.247	5.242	5.259	VV	313	1374	0.02%	0.002%
29	5.294	5.259	5.298	PV	612	8256	0.12%	0.009%
30	5.307	5.298	5.322	VV	798	7032	0.11%	0.008%
31	5.337	5.322	5.382	VV	4136	44625	0.67%	0.050%
32	5.395	5.382	5.428	VV	541	8839	0.13%	0.010%
33	5.440	5.428	5.450	VV	332	2147	0.03%	0.002%
34	5.483	5.450	5.497	VV	770	10926	0.16%	0.012%
35	5.517	5.497	5.535	VV	2524	27752	0.42%	0.031%
36	5.559	5.535	5.602	VV	4058	56388	0.85%	0.064%

					rt	Area	Area%	Height%
37	5.615	5.602	5.645	VV	1141	15427	0.23%	0.017%
38	5.655	5.645	5.663	VV	497	3170	0.05%	0.004%
39	5.669	5.663	5.689	VV	443	5094	0.08%	0.006%
40	5.700	5.689	5.742	VV	578	8434	0.13%	0.009%
41	5.762	5.742	5.781	VV	480	5522	0.08%	0.006%
42	5.786	5.781	5.795	VV	165	1033	0.02%	0.001%
43	5.809	5.795	5.842	VV	819	11225	0.17%	0.013%
44	5.863	5.842	5.873	VV	529	6648	0.10%	0.007%
45	5.881	5.873	5.910	VV	439	7452	0.11%	0.008%
46	5.921	5.910	5.952	VV	531	9942	0.15%	0.011%
47	5.970	5.952	5.982	VV	624	7182	0.11%	0.008%
48	6.002	5.982	6.015	VV	541	8378	0.13%	0.009%
49	6.020	6.015	6.028	VV	742	4325	0.06%	0.005%
50	6.067	6.028	6.101	VV	284940	2588810	38.89%	2.915%
51	6.114	6.101	6.139	VV	1830	23583	0.35%	0.027%
52	6.156	6.139	6.187	VV	3145	38690	0.58%	0.044%
53	6.219	6.187	6.247	VV	1139	24296	0.36%	0.027%
54	6.254	6.247	6.262	VV	556	4394	0.07%	0.005%
55	6.286	6.262	6.317	VV	1011	21905	0.33%	0.025%
56	6.319	6.317	6.324	VV	408	1532	0.02%	0.002%
57	6.344	6.324	6.368	VV	1294	18454	0.28%	0.021%
58	6.375	6.368	6.403	VV	547	9001	0.14%	0.010%
59	6.408	6.403	6.414	VV	428	2505	0.04%	0.003%
60	6.418	6.414	6.424	VV	429	2126	0.03%	0.002%
61	6.433	6.424	6.442	VV	435	3991	0.06%	0.004%
62	6.459	6.442	6.464	VV	533	5203	0.08%	0.006%
63	6.496	6.464	6.525	VV	34265	335883	5.05%	0.378%
64	6.538	6.525	6.550	VV	676	7191	0.11%	0.008%
65	6.582	6.550	6.602	VV	1424	25940	0.39%	0.029%
66	6.614	6.602	6.629	VV	1347	14282	0.21%	0.016%
67	6.646	6.629	6.669	VV	3674	42520	0.64%	0.048%
68	6.677	6.669	6.692	VV	955	9904	0.15%	0.011%
69	6.718	6.692	6.737	VV	1948	23098	0.35%	0.026%
70	6.770	6.737	6.796	VV	606	13896	0.21%	0.016%
71	6.822	6.796	6.849	VV	1012	14940	0.22%	0.017%
72	6.878	6.849	6.885	VV	735	10993	0.17%	0.012%
73	6.890	6.885	6.918	VV	734	7071	0.11%	0.008%
74	6.940	6.918	6.951	VV	1464	18390	0.28%	0.021%
75	6.964	6.951	6.977	VV	2872	29495	0.44%	0.033%
76	6.992	6.977	7.005	VV	2603	32741	0.49%	0.037%
77	7.029	7.005	7.079	VV	7736	127424	1.91%	0.143%
78	7.121	7.079	7.147	VV	276791	2637346	39.61%	2.970%
79	7.154	7.147	7.184	VV	1432	24288	0.36%	0.027%
80	7.198	7.184	7.212	VV	1331	15427	0.23%	0.017%
81	7.226	7.212	7.240	VV	1008	11120	0.17%	0.013%
82	7.257	7.240	7.265	VV	1941	20541	0.31%	0.023%
83	7.280	7.265	7.300	VV	4624	56890	0.85%	0.064%
84	7.311	7.300	7.323	VV	1597	19162	0.29%	0.022%
85	7.336	7.323	7.366	VV	1927	33049	0.50%	0.037%
86	7.384	7.366	7.397	VV	1861	24571	0.37%	0.028%
87	7.418	7.397	7.442	VV	7804	90523	1.36%	0.102%
88	7.459	7.442	7.464	VV	1003	9770	0.15%	0.011%
89	7.483	7.464	7.498	VV	1194	17752	0.27%	0.020%

					rteres			
90	7.510	7.498	7.535	VV	1650	22579	0.34%	0.025%
91	7.539	7.535	7.548	VV	549	3993	0.06%	0.004%
92	7.560	7.548	7.565	VV	624	5457	0.08%	0.006%
93	7.594	7.565	7.615	VV	1144	23239	0.35%	0.026%
94	7.650	7.615	7.661	VV	975	18901	0.28%	0.021%
95	7.680	7.661	7.700	VV	2134	27145	0.41%	0.031%
96	7.733	7.700	7.778	VV	676068	6448524	96.86%	7.262%
97	7.782	7.778	7.802	VV	845	9906	0.15%	0.011%
98	7.821	7.802	7.835	VV	1310	20100	0.30%	0.023%
99	7.845	7.835	7.861	VV	1267	14602	0.22%	0.016%
100	7.874	7.861	7.886	VV	1187	13284	0.20%	0.015%
101	7.896	7.886	7.920	VV	874	13441	0.20%	0.015%
102	7.940	7.920	7.960	VV	1138	15683	0.24%	0.018%
103	7.984	7.960	8.016	VV	2612	35642	0.54%	0.040%
104	8.040	8.016	8.057	VV	1103	16170	0.24%	0.018%
105	8.071	8.057	8.095	VV	816	14627	0.22%	0.016%
106	8.111	8.095	8.147	VV	1368	22444	0.34%	0.025%
107	8.159	8.147	8.164	VV	569	4742	0.07%	0.005%
108	8.192	8.164	8.197	VV	1180	18328	0.28%	0.021%
109	8.213	8.197	8.264	VV	1531	43272	0.65%	0.049%
110	8.287	8.264	8.314	VV	36774	379780	5.70%	0.428%
111	8.319	8.314	8.330	VV	822	6758	0.10%	0.008%
112	8.345	8.330	8.365	VV	1831	22426	0.34%	0.025%
113	8.401	8.365	8.464	VV	320467	3106049	46.66%	3.498%
114	8.483	8.464	8.503	VV	1212	18559	0.28%	0.021%
115	8.521	8.503	8.555	VV	924	16188	0.24%	0.018%
116	8.599	8.555	8.629	VV	442124	4332037	65.07%	4.878%
117	8.650	8.629	8.667	VV	2111	34077	0.51%	0.038%
118	8.696	8.667	8.737	VV	329014	3215437	48.30%	3.621%
119	8.743	8.737	8.761	VV	1250	14842	0.22%	0.017%
120	8.774	8.761	8.792	VV	1173	17516	0.26%	0.020%
121	8.798	8.792	8.807	VV	912	7543	0.11%	0.008%
122	8.822	8.807	8.837	VV	1854	23226	0.35%	0.026%
123	8.843	8.837	8.864	VV	1289	13799	0.21%	0.016%
124	8.896	8.864	8.917	VV	657	15038	0.23%	0.017%
125	8.938	8.917	8.951	VV	1238	14745	0.22%	0.017%
126	8.967	8.951	8.981	VV	2353	26139	0.39%	0.029%
127	9.007	8.981	9.031	VV	68664	676147	10.16%	0.761%
128	9.041	9.031	9.075	VV	1608	32989	0.50%	0.037%
129	9.091	9.075	9.100	VV	2402	27225	0.41%	0.031%
130	9.105	9.100	9.114	VV	2114	16389	0.25%	0.018%
131	9.126	9.114	9.147	VV	2487	36508	0.55%	0.041%
132	9.160	9.147	9.180	VV	1996	23629	0.35%	0.027%
133	9.194	9.180	9.218	VV	779	9255	0.14%	0.010%
134	9.252	9.218	9.275	VV	596	10156	0.15%	0.011%
135	9.292	9.275	9.312	VV	829	11140	0.17%	0.013%
136	9.330	9.312	9.370	VV	1096	18108	0.27%	0.020%
137	9.394	9.370	9.426	PV	848	16992	0.26%	0.019%
138	9.440	9.426	9.445	VV	463	4006	0.06%	0.005%
139	9.477	9.445	9.535	VV	338962	3357500	50.43%	3.781%
140	9.557	9.535	9.587	VV	833	17618	0.26%	0.020%
141	9.623	9.587	9.642	VV	1327	30652	0.46%	0.035%

					rteres			
142	9.651	9.642	9.670	VV	803	10937	0.16%	0.012%
143	9.690	9.670	9.706	VV	5895	63650	0.96%	0.072%
144	9.722	9.706	9.732	VV	3411	35470	0.53%	0.040%
145	9.751	9.732	9.780	VV	39159	395601	5.94%	0.445%
146	9.797	9.780	9.819	VV	1577	22426	0.34%	0.025%
147	9.823	9.819	9.837	VV	635	4601	0.07%	0.005%
148	9.840	9.837	9.850	VV	269	2033	0.03%	0.002%
149	9.882	9.850	9.924	VV	34068	373081	5.60%	0.420%
150	9.928	9.924	9.937	VV	533	2620	0.04%	0.003%
151	9.961	9.937	9.979	VV	732	13165	0.20%	0.015%
152	9.989	9.979	10.010	VV	521	6890	0.10%	0.008%
153	10.024	10.010	10.030	VV	308	2514	0.04%	0.003%
154	10.077	10.030	10.119	VV	3639	49570	0.74%	0.056%
155	10.127	10.119	10.140	VV	356	2777	0.04%	0.003%
156	10.145	10.140	10.149	VV	214	1021	0.02%	0.001%
157	10.163	10.149	10.176	VV	525	4469	0.07%	0.005%
158	10.223	10.176	10.246	PV	1551	24552	0.37%	0.028%
159	10.252	10.246	10.257	VV	512	2576	0.04%	0.003%
160	10.276	10.257	10.287	VV	785	9226	0.14%	0.010%
161	10.319	10.287	10.337	VV	893	17846	0.27%	0.020%
162	10.356	10.337	10.381	VV	1586	26331	0.40%	0.030%
163	10.400	10.381	10.424	VV	1163	19552	0.29%	0.022%
164	10.432	10.424	10.438	VV	550	3034	0.05%	0.003%
165	10.444	10.438	10.450	VV	522	2929	0.04%	0.003%
166	10.470	10.450	10.510	VV	1246	30958	0.47%	0.035%
167	10.522	10.510	10.542	VV	1252	16800	0.25%	0.019%
168	10.548	10.542	10.559	VV	768	7165	0.11%	0.008%
169	10.570	10.559	10.584	VV	968	10645	0.16%	0.012%
170	10.610	10.584	10.626	VV	1307	23386	0.35%	0.026%
171	10.639	10.626	10.650	VV	1334	16494	0.25%	0.019%
172	10.673	10.650	10.697	VV	5550	95214	1.43%	0.107%
173	10.710	10.697	10.725	VV	1063	14945	0.22%	0.017%
174	10.752	10.725	10.766	VV	1286	24580	0.37%	0.028%
175	10.771	10.766	10.797	VV	776	11119	0.17%	0.013%
176	10.817	10.797	10.825	VV	1031	14009	0.21%	0.016%
177	10.841	10.825	10.848	VV	2789	26735	0.40%	0.030%
178	10.876	10.848	10.920	VV	355132	3652813	54.87%	4.114%
179	10.950	10.920	10.989	VV	317005	3279607	49.26%	3.693%
180	10.992	10.989	11.013	VV	721	8940	0.13%	0.010%
181	11.029	11.013	11.042	VV	917	14226	0.21%	0.016%
182	11.047	11.042	11.101	VV	969	20800	0.31%	0.023%
183	11.106	11.101	11.110	VV	406	1700	0.03%	0.002%
184	11.115	11.110	11.125	VV	416	3300	0.05%	0.004%
185	11.131	11.125	11.136	VV	358	1952	0.03%	0.002%
186	11.156	11.136	11.206	VV	3253	40780	0.61%	0.046%
187	11.253	11.206	11.260	PV	761	12810	0.19%	0.014%
188	11.262	11.260	11.273	VV	680	3952	0.06%	0.004%
189	11.320	11.273	11.348	VV	31405	361818	5.43%	0.407%
190	11.409	11.348	11.445	VV	1168	33766	0.51%	0.038%
191	11.472	11.445	11.497	VV	923	14643	0.22%	0.016%
192	11.522	11.497	11.549	VV	653	11095	0.17%	0.012%
193	11.565	11.549	11.579	VV	399	4673	0.07%	0.005%
194	11.644	11.579	11.689	VV	616910	6657445	100.00%	7.497%

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195	11.705	11.689	11.725	VV	5133	62336	0.94%	0.070%
196	11.738	11.725	11.754	VV	1452	18711	0.28%	0.021%
197	11.770	11.754	11.775	VV	2993	27709	0.42%	0.031%
198	11.790	11.775	11.814	VV	5259	84384	1.27%	0.095%
199	11.822	11.814	11.836	VV	2801	28554	0.43%	0.032%
200	11.852	11.836	11.879	VV	3683	46376	0.70%	0.052%
201	11.920	11.879	11.945	PV	1068	18566	0.28%	0.021%
202	11.983	11.945	12.004	VV	1054	23273	0.35%	0.026%
203	12.038	12.004	12.065	VV	9506	139923	2.10%	0.158%
204	12.079	12.065	12.098	VV	1458	18306	0.27%	0.021%
205	12.104	12.098	12.107	VV	574	2787	0.04%	0.003%
206	12.143	12.107	12.163	VV	3093	43545	0.65%	0.049%
207	12.178	12.163	12.184	VV	570	5560	0.08%	0.006%
208	12.235	12.184	12.279	VV	136715	1628690	24.46%	1.834%
209	12.291	12.279	12.318	VV	2014	35381	0.53%	0.040%
210	12.322	12.318	12.333	VV	1036	7825	0.12%	0.009%
211	12.346	12.333	12.355	VV	975	11566	0.17%	0.013%
212	12.367	12.355	12.377	VV	975	11151	0.17%	0.013%
213	12.394	12.377	12.402	VV	1218	15376	0.23%	0.017%
214	12.410	12.402	12.430	VV	1158	15110	0.23%	0.017%
215	12.434	12.430	12.445	VV	675	5500	0.08%	0.006%
216	12.465	12.445	12.472	VV	2071	24412	0.37%	0.027%
217	12.488	12.472	12.509	VV	3455	50167	0.75%	0.056%
218	12.518	12.509	12.532	VV	1033	11414	0.17%	0.013%
219	12.541	12.532	12.550	VV	876	7572	0.11%	0.009%
220	12.570	12.550	12.588	VV	3332	43304	0.65%	0.049%
221	12.626	12.588	12.653	VV	32704	405645	6.09%	0.457%
222	12.690	12.653	12.736	VV	335181	3688250	55.40%	4.153%
223	12.755	12.736	12.771	VV	618	8612	0.13%	0.010%
224	12.776	12.771	12.799	VV	393	4366	0.07%	0.005%
225	12.820	12.799	12.827	VV	515	6174	0.09%	0.007%
226	12.843	12.827	12.857	VV	784	10464	0.16%	0.012%
227	12.873	12.857	12.896	VV	4737	57020	0.86%	0.064%
228	12.900	12.896	12.915	VV	1022	9817	0.15%	0.011%
229	12.922	12.915	12.939	VV	829	8619	0.13%	0.010%
230	12.945	12.939	12.955	VV	375	3103	0.05%	0.003%
231	12.988	12.955	13.014	VV	331679	3582296	53.81%	4.034%
232	13.041	13.014	13.046	VV	6880	71312	1.07%	0.080%
233	13.070	13.046	13.100	VV	116896	1363539	20.48%	1.536%
234	13.116	13.100	13.139	VV	727	12677	0.19%	0.014%
235	13.156	13.139	13.180	VV	1746	23755	0.36%	0.027%
236	13.193	13.180	13.204	VV	461	4752	0.07%	0.005%
237	13.236	13.204	13.266	VV	27790	348028	5.23%	0.392%
238	13.288	13.266	13.310	VV	5594	78669	1.18%	0.089%
239	13.315	13.310	13.340	VV	1689	20903	0.31%	0.024%
240	13.378	13.340	13.395	VV	1505	30338	0.46%	0.034%
241	13.408	13.395	13.420	VV	944	11328	0.17%	0.013%
242	13.461	13.420	13.534	VV	70509	912449	13.71%	1.028%
243	13.569	13.534	13.598	VV	5951	101400	1.52%	0.114%
244	13.607	13.598	13.619	VV	543	6164	0.09%	0.007%
245	13.639	13.619	13.656	VV	1253	18633	0.28%	0.021%
246	13.677	13.656	13.700	VV	3782	56755	0.85%	0.064%

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247	13.716	13.700	13.733	VV	2692	34126	0.51%	0.038%
248	13.738	13.733	13.748	VV	881	7111	0.11%	0.008%
249	13.766	13.748	13.790	VV	1916	31130	0.47%	0.035%
250	13.820	13.790	13.868	VV	27899	379403	5.70%	0.427%
251	13.886	13.868	13.910	VV	2151	29032	0.44%	0.033%
252	13.931	13.910	13.973	VV	1714	40473	0.61%	0.046%
253	13.993	13.973	14.014	VV	362	6093	0.09%	0.007%
254	14.036	14.014	14.042	VV	466	6410	0.10%	0.007%
255	14.050	14.042	14.056	VV	650	4797	0.07%	0.005%
256	14.064	14.056	14.093	VV	689	10297	0.15%	0.012%
257	14.099	14.093	14.112	VV	446	3217	0.05%	0.004%
258	14.125	14.112	14.136	PV	287	2942	0.04%	0.003%
259	14.146	14.136	14.172	VV	403	5617	0.08%	0.006%
260	14.179	14.172	14.192	VV	208	1404	0.02%	0.002%
261	14.214	14.199	14.226	VV	490	5754	0.09%	0.006%
262	14.257	14.226	14.284	VV	1826	38040	0.57%	0.043%
263	14.299	14.284	14.332	VV	1579	26584	0.40%	0.030%
264	14.340	14.332	14.347	VV	539	4814	0.07%	0.005%
265	14.386	14.347	14.394	VV	1068	21528	0.32%	0.024%
266	14.404	14.394	14.420	VV	1070	13004	0.20%	0.015%
267	14.443	14.420	14.453	VV	1021	13696	0.21%	0.015%
268	14.482	14.453	14.499	VV	2169	34319	0.52%	0.039%
269	14.505	14.499	14.514	VV	1093	8492	0.13%	0.010%
270	14.517	14.514	14.523	VV	943	4978	0.07%	0.006%
271	14.544	14.523	14.567	VV	4737	64389	0.97%	0.073%
272	14.598	14.567	14.627	VV	1609	35357	0.53%	0.040%
273	14.669	14.627	14.682	VV	921	17855	0.27%	0.020%
274	14.693	14.682	14.699	VV	802	7472	0.11%	0.008%
275	14.707	14.699	14.711	VV	912	6522	0.10%	0.007%
276	14.727	14.711	14.738	VV	1148	15310	0.23%	0.017%
277	14.757	14.738	14.780	VV	2808	39396	0.59%	0.044%
278	14.786	14.780	14.796	VV	406	3749	0.06%	0.004%
279	14.805	14.796	14.824	VV	559	7056	0.11%	0.008%
280	14.859	14.824	14.879	VV	252949	3110285	46.72%	3.503%
281	14.902	14.879	14.978	VV	288163	3410205	51.22%	3.840%
282	14.982	14.978	14.985	VV	361	1506	0.02%	0.002%
283	15.017	14.985	15.037	VV	3614	49399	0.74%	0.056%
284	15.055	15.037	15.073	VV	840	12650	0.19%	0.014%
285	15.092	15.073	15.112	VV	1520	20832	0.31%	0.023%
286	15.117	15.112	15.129	VV	464	4021	0.06%	0.005%
287	15.149	15.129	15.170	VV	1128	18521	0.28%	0.021%
288	15.193	15.170	15.206	VV	1039	17234	0.26%	0.019%
289	15.214	15.206	15.267	VV	822	16389	0.25%	0.018%
290	15.300	15.267	15.359	VV	4250	105975	1.59%	0.119%
291	15.363	15.359	15.393	VV	787	10753	0.16%	0.012%
292	15.456	15.393	15.474	VV	1769	46189	0.69%	0.052%
293	15.480	15.474	15.501	VV	1146	13658	0.21%	0.015%
294	15.524	15.501	15.545	VV	3080	43007	0.65%	0.048%
295	15.561	15.545	15.590	VV	1803	28651	0.43%	0.032%
296	15.604	15.590	15.620	VV	1164	15463	0.23%	0.017%
297	15.668	15.620	15.675	VV	1814	36107	0.54%	0.041%
298	15.683	15.675	15.719	VV	2087	36129	0.54%	0.041%
299	15.734	15.719	15.740	VV	726	7269	0.11%	0.008%

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300	15.764	15.740	15.788	VV	1606	28137	0.42%	0.032%
301	15.800	15.788	15.808	VV	646	7041	0.11%	0.008%
302	15.812	15.808	15.824	VV	672	4747	0.07%	0.005%
303	15.847	15.824	15.859	VV	777	12236	0.18%	0.014%
304	15.874	15.859	15.892	VV	1176	15123	0.23%	0.017%
305	15.938	15.892	15.972	VV	24049	321963	4.84%	0.363%
306	15.996	15.972	16.005	VV	520	6311	0.09%	0.007%
307	16.008	16.005	16.013	VV	426	1223	0.02%	0.001%
308	16.019	16.013	16.026	VV	315	1696	0.03%	0.002%
309	16.034	16.026	16.040	VV	259	1359	0.02%	0.002%
310	16.054	16.040	16.059	VV	202	1187	0.02%	0.001%
311	16.066	16.059	16.077	PV	213	1453	0.02%	0.002%
312	16.084	16.077	16.097	VV	333	3371	0.05%	0.004%
313	16.134	16.097	16.143	VV	843	17357	0.26%	0.020%
314	16.146	16.143	16.171	VV	580	6433	0.10%	0.007%
315	16.192	16.171	16.209	PV	524	5122	0.08%	0.006%
316	16.232	16.209	16.255	VV	818	12243	0.18%	0.014%
317	16.275	16.255	16.282	VV	552	6459	0.10%	0.007%
318	16.327	16.282	16.363	VV	1276	33263	0.50%	0.037%
319	16.409	16.363	16.425	VV	235796	3035183	45.59%	3.418%
320	16.442	16.425	16.476	VV	262608	2917247	43.82%	3.285%
321	16.500	16.476	16.519	VV	1392	25055	0.38%	0.028%
322	16.541	16.519	16.631	VV	4378	104257	1.57%	0.117%
323	16.656	16.631	16.675	VV	1841	25673	0.39%	0.029%
324	16.726	16.675	16.754	VV	8569	130044	1.95%	0.146%
325	16.789	16.754	16.825	VV	240711	2888494	43.39%	3.253%
326	16.885	16.825	16.917	VV	27998	382678	5.75%	0.431%
327	16.934	16.917	16.973	VV	1524	29316	0.44%	0.033%
328	16.981	16.973	16.987	VV	412	2932	0.04%	0.003%
329	17.032	16.987	17.068	VV	1093	33297	0.50%	0.037%
330	17.090	17.068	17.105	VV	612	8381	0.13%	0.009%
331	17.151	17.105	17.187	VV	1735	48797	0.73%	0.055%
332	17.191	17.187	17.222	VV	871	11131	0.17%	0.013%
333	17.245	17.222	17.263	VV	815	14734	0.22%	0.017%
334	17.278	17.263	17.293	VV	1254	18552	0.28%	0.021%
335	17.307	17.293	17.315	VV	1264	14650	0.22%	0.016%
336	17.335	17.315	17.359	VV	2390	39008	0.59%	0.044%
337	17.368	17.359	17.379	VV	930	9360	0.14%	0.011%
338	17.393	17.379	17.415	VV	836	11752	0.18%	0.013%
339	17.438	17.415	17.464	VV	1537	24277	0.36%	0.027%
340	17.479	17.464	17.497	VV	838	9802	0.15%	0.011%
341	17.516	17.497	17.535	VV	655	10175	0.15%	0.011%
342	17.552	17.535	17.576	VV	599	8086	0.12%	0.009%
343	17.588	17.576	17.604	VV	268	1905	0.03%	0.002%
344	17.623	17.604	17.645	VV	462	6499	0.10%	0.007%
345	17.665	17.645	17.677	PV	459	4309	0.06%	0.005%
346	17.709	17.677	17.714	VV	457	6942	0.10%	0.008%
347	17.770	17.714	17.807	VV	23581	329445	4.95%	0.371%
348	17.833	17.807	17.839	VV	466	6223	0.09%	0.007%
349	17.864	17.839	17.887	VV	1016	20004	0.30%	0.023%
350	17.910	17.887	17.922	VV	960	14914	0.22%	0.017%
351	17.936	17.922	17.979	VV	1152	27108	0.41%	0.031%

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352	17.990	17.979	18.024	VV	622	11557	0.17%	0.013%
353	18.056	18.024	18.079	VV	2194	37095	0.56%	0.042%
354	18.085	18.079	18.105	VV	732	8635	0.13%	0.010%
355	18.153	18.105	18.171	VV	227202	2958632	44.44%	3.332%
356	18.193	18.171	18.225	VV	228273	2788128	41.88%	3.140%
357	18.229	18.225	18.252	VV	1329	14271	0.21%	0.016%
358	18.281	18.252	18.296	VV	2118	31554	0.47%	0.036%
359	18.311	18.296	18.353	VV	1875	36421	0.55%	0.041%
360	18.358	18.353	18.367	VV	621	4841	0.07%	0.005%
361	18.409	18.367	18.473	VV	214779	2768118	41.58%	3.117%
362	18.484	18.473	18.504	VV	965	12945	0.19%	0.015%
363	18.530	18.504	18.555	VV	2803	42898	0.64%	0.048%
364	18.600	18.555	18.670	VV	22467	332399	4.99%	0.374%
365	18.704	18.670	18.734	VV	737	14186	0.21%	0.016%
366	18.746	18.734	18.753	VV	429	2765	0.04%	0.003%
367	18.759	18.753	18.780	VV	425	5111	0.08%	0.006%
368	18.830	18.788	18.847	PV	750	13737	0.21%	0.015%
369	18.855	18.847	18.865	VV	523	4067	0.06%	0.005%
370	18.874	18.865	18.889	VV	421	4381	0.07%	0.005%
371	18.908	18.889	18.922	PV	268	2819	0.04%	0.003%
372	18.962	18.922	18.977	PV	1241	10962	0.16%	0.012%
Sum of corrected areas:					88799371			

Aromatic EPH 052425.M Fri Jun 13 22:45:29 2025

Manual Integration Report

Sequence:	FC052425AL	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	FC069003.D	n-Octacosane (C28)	yogesh	5/27/2025 7:30:02 AM	mohammad	5/28/2025 1:48:12	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069003.D	n-Tetracosane (C24)	yogesh	5/27/2025 7:30:02 AM	mohammad	5/28/2025 1:48:12	Peak Integrated by Software

Manual Integration Report

Sequence:	FC060925AL	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	FC069133.D	n-Octacosane (C28)	yogesh	6/10/2025 7:52:28 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069133.D	n-Octadecane (C18)	yogesh	6/10/2025 7:52:28 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069133.D	n-Tetracontane (C40)	yogesh	6/10/2025 7:52:28 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
PB168324BS	FC069135.D	n-Octadecane (C18)	yogesh	6/10/2025 7:52:30 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
PB168324BS	FC069135.D	n-Tetracontane (C40)	yogesh	6/10/2025 7:52:30 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
PB168324BSD	FC069136.D	n-Octadecane (C18)	yogesh	6/10/2025 7:52:32 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
PB168324BSD	FC069136.D	n-Tetracontane (C40)	yogesh	6/10/2025 7:52:32 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069140.D	n-Octadecane (C18)	yogesh	6/10/2025 7:52:33 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069140.D	n-Tetracontane (C40)	yogesh	6/10/2025 7:52:33 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069140.D	n-Tetracosane (C24)	yogesh	6/10/2025 7:52:33 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
PB168341BS	FC069142.D	n-Decane (C10)	yogesh	6/10/2025 7:52:35 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
PB168341BSD	FC069143.D	n-Decane (C10)	yogesh	6/10/2025 7:52:37 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
PB168341BSD	FC069143.D	n-Tetracontane (C40)	yogesh	6/10/2025 7:52:37 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software

Manual Integration Report

Sequence:

FC060925AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2265-01MS	FC069146.D	n-Decane (C10)	yogesh	6/10/2025 7:52:39 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
Q2265-01MSD	FC069147.D	n-Decane (C10)	yogesh	6/10/2025 7:52:41 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
Q2265-01MSD	FC069147.D	n-Tetracontane (C40)	yogesh	6/10/2025 7:52:41 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069150.D	n-Tetracontane (C40)	yogesh	6/10/2025 7:52:43 AM	mohammad	6/11/2025 2:15:53	Peak Integrated by Software

Manual Integration Report

Sequence:	FC061125AL	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	FC069156.D	n-Octacosane (C28)	yogesh	6/12/2025 11:34:52 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069156.D	n-Octadecane (C18)	yogesh	6/12/2025 11:34:52 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069156.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:34:52 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
PB168408BS	FC069158.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:34:54 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
PB168408BSD	FC069159.D	n-Octadecane (C18)	yogesh	6/12/2025 11:34:56 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
PB168408BSD	FC069159.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:34:56 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-01	FC069160.D	n-Decane (C10)	yogesh	6/12/2025 11:34:58 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-01	FC069160.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:34:58 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-01	FC069161.D	n-Decane (C10)	yogesh	6/12/2025 11:35:00 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-01	FC069161.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:00 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-02	FC069162.D	n-Decane (C10)	yogesh	6/12/2025 11:35:02 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-02	FC069162.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:02 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2177-02MS	FC069165.D	n-Decane (C10)	yogesh	6/12/2025 11:35:04 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software

Manual Integration Report

Sequence:	FC061125AL	Instrument	FID_c
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2177-02MS	FC069165.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:04 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2177-02MSD	FC069166.D	n-Decane (C10)	yogesh	6/12/2025 11:35:08 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2177-02MSD	FC069166.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:08 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069168.D	n-Octacosane (C28)	yogesh	6/12/2025 11:35:11 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069168.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:11 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069168.D	n-Tetracosane (C24)	yogesh	6/12/2025 11:35:11 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069174.D	n-Octadecane (C18)	yogesh	6/12/2025 11:35:13 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069174.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:13 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069174.D	n-Tetracosane (C24)	yogesh	6/12/2025 11:35:13 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-07	FC069176.D	n-Decane (C10)	yogesh	6/12/2025 11:35:14 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-07	FC069176.D	n-Nonane (C9)	yogesh	6/12/2025 11:35:14 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-07	FC069176.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:14 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-07	FC069177.D	n-Decane (C10)	yogesh	6/12/2025 11:35:44 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software

Manual Integration Report

Sequence:

FC061125AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2126-07	FC069177.D	n-Hexadecane (C16)	yogesh	6/12/2025 11:35:44 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-07	FC069177.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:44 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-08	FC069178.D	n-Decane (C10)	yogesh	6/12/2025 11:35:46 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-08	FC069178.D	n-Hexadecane (C16)	yogesh	6/12/2025 11:35:46 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
Q2126-08	FC069178.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:46 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069180.D	n-Tetracontane (C40)	yogesh	6/12/2025 11:35:48 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069180.D	n-Tetracosane (C24)	yogesh	6/12/2025 11:35:48 AM	mohammad	6/13/2025 1:40:04	Peak Integrated by Software

Manual Integration Report

Sequence:

FD052425AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
100 PPM AROMATIC HC	FD049394.D	Bnezo[k]fluoranthene (C30.14)	yogesh	5/27/2025 7:30:09 AM	mohammad	5/28/2025 1:48:35	Peak Integrated by Software
100 PPM AROMATIC HC	FD049394.D	Dibenz[a,h]anthracene (C30.36)	yogesh	5/27/2025 7:30:09 AM	mohammad	5/28/2025 1:48:35	Peak Integrated by Software
100 PPM AROMATIC HC	FD049394.D	Fluoranthene (C21.85)	yogesh	5/27/2025 7:30:09 AM	mohammad	5/28/2025 1:48:35	Peak Integrated by Software



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

Manual Integration Report

Sequence:

FD060925AR

Instrument

FID_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:	FD061025AR	Instrument	FID_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Manual Integration Report

Sequence:	FD061125AR	Instrument	FID_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2126-02	FD049437.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	6/12/2025 11:36:32 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-02	FD049437.D	2-Methylnaphthalene (C12.89)	yogesh	6/12/2025 11:36:32 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-02	FD049437.D	Acenaphthene (C15.5)	yogesh	6/12/2025 11:36:32 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-02	FD049437.D	Acenaphthylene (C15.06)	yogesh	6/12/2025 11:36:32 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-02	FD049437.D	Naphthalene (C11.7)	yogesh	6/12/2025 11:36:32 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2177-04	FD049444.D	2-Fluorobiphenyl (SURR)	yogesh	6/12/2025 11:36:34 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	2-Methylnaphthalene (C12.89)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Acenaphthene (C15.5)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Acenaphthylene (C15.06)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Anthracene (C19.43)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Benzo[a]anthracene (C26.37)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Benzo[a]pyrene (C31.34)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software

Manual Integration Report

Sequence:	FD061125AR	Instrument	FID_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2126-07	FD049452.D	benzo[b]fluoranthene (C30.41)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Benzo[g,h,i]perylene (C34.01)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Bnezo[k]fluoranthene (C30.14)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Naphthalene (C11.7)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Phenanthrene (C19.36)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software
Q2126-07	FD049452.D	Pyrene (C20.8)	yogesh	6/12/2025 11:36:35 AM	mohammad	6/13/2025 1:40:17	Peak Integrated by Software

Manual Integration Report

Sequence:

FD061325AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2286-03DL	FD049486.D	2-Bromonaphthalene (SURR)	yogesh	6/16/2025 8:10:26 AM	mohammad	6/16/2025 8:33:02	Peak Integrated by Software
Q2286-03DL	FD049486.D	2-Fluorobiphenyl (SURR)	yogesh	6/16/2025 8:10:26 AM	mohammad	6/16/2025 8:33:02	Peak Integrated by Software
Q2286-03DL	FD049486.D	ortho-Terphenyl (SURR)	yogesh	6/16/2025 8:10:26 AM	mohammad	6/16/2025 8:33:02	Peak Integrated by Software

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC052425AL

Review By	yogesh	Review On	5/23/2025 12:24:51 PM
Supervise By	mohammad	Supervise On	5/28/2025 1:48:12 AM
SubDirectory	FC052425AL	HP Acquire Method	HP Processing Method FC052425AL
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	FC068996.D	23 May 2025 12:58	YP/AJ	Ok
2	I.BLK	FC068997.D	23 May 2025 13:35	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068998.D	23 May 2025 14:12	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068999.D	23 May 2025 14:50	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC069000.D	23 May 2025 15:28	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC069001.D	23 May 2025 16:05	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC069002.D	23 May 2025 16:43	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC069003.D	23 May 2025 17:20	YP/AJ	Ok,M
9	I.BLK	FC069004.D	23 May 2025 18:36	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069005.D	23 May 2025 19:13	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC060925AL

Review By	yogesh	Review On	6/9/2025 12:18:01 PM
Supervise By	mohammad	Supervise On	6/11/2025 2:15:53 AM
SubDirectory	FC060925AL	HP Acquire Method	HP Processing Method FC052425AL
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	FC069131.D	09 Jun 2025 09:27	YP/AJ	Ok
2	I.BLK	FC069132.D	09 Jun 2025 10:07	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069133.D	09 Jun 2025 12:17	YP/AJ	Ok,M
4	PB168324BL	FC069134.D	09 Jun 2025 16:17	YP/AJ	Ok
5	PB168324BS	FC069135.D	09 Jun 2025 16:57	YP/AJ	Ok,M
6	PB168324BSD	FC069136.D	09 Jun 2025 17:37	YP/AJ	Ok,M
7	Q2177-08	FC069137.D	09 Jun 2025 18:17	YP/AJ	Ok
8	Q2198-05	FC069138.D	09 Jun 2025 18:58	YP/AJ	Ok
9	I.BLK	FC069139.D	09 Jun 2025 20:20	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069140.D	09 Jun 2025 21:41	YP/AJ	Ok,M
11	PB168341BL	FC069141.D	09 Jun 2025 22:21	YP/AJ	Ok
12	PB168341BS	FC069142.D	09 Jun 2025 23:02	YP/AJ	Ok,M
13	PB168341BSD	FC069143.D	09 Jun 2025 23:41	YP/AJ	Ok,M
14	Q2265-01	FC069144.D	10 Jun 2025 00:21	YP/AJ	Ok
15	Q2265-01D	FC069145.D	10 Jun 2025 01:00	YP/AJ	Ok
16	Q2265-01MS	FC069146.D	10 Jun 2025 01:39	YP/AJ	Ok,M
17	Q2265-01MSD	FC069147.D	10 Jun 2025 02:19	YP/AJ	Ok,M
18	Q2265-03	FC069148.D	10 Jun 2025 02:58	YP/AJ	Ok
19	I.BLK	FC069149.D	10 Jun 2025 04:16	YP/AJ	Ok
20	20 PPM ALIPHATIC HC STD	FC069150.D	10 Jun 2025 04:55	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC061125AL

Review By	yogesh	Review On	6/11/2025 3:08:31 PM
Supervise By	mohammad	Supervise On	6/13/2025 1:40:04 AM
SubDirectory	FC061125AL	HP Acquire Method	HP Processing Method FC052425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069154.D	11 Jun 2025 10:11	YP/AJ	Ok
2	I.BLK	FC069155.D	11 Jun 2025 10:51	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069156.D	11 Jun 2025 12:12	YP/AJ	Ok,M
4	PB168408BL	FC069157.D	11 Jun 2025 16:33	YP/AJ	Ok
5	PB168408BS	FC069158.D	11 Jun 2025 17:15	YP/AJ	Ok,M
6	PB168408BSD	FC069159.D	11 Jun 2025 17:57	YP/AJ	Ok,M
7	Q2126-01	FC069160.D	11 Jun 2025 18:39	YP/AJ	Ok,M
8	Q2126-01	FC069161.D	11 Jun 2025 19:23	YP/AJ	Ok,M
9	Q2126-02	FC069162.D	11 Jun 2025 20:05	YP/AJ	Ok,M
10	Q2177-02	FC069163.D	11 Jun 2025 20:47	YP/AJ	Not Ok
11	Q2177-02D	FC069164.D	11 Jun 2025 21:28	YP/AJ	Not Ok
12	Q2177-02MS	FC069165.D	11 Jun 2025 22:09	YP/AJ	Ok,M
13	Q2177-02MSD	FC069166.D	11 Jun 2025 22:50	YP/AJ	Ok,M
14	I.BLK	FC069167.D	11 Jun 2025 23:29	YP/AJ	Ok
15	20 PPM ALIPHATIC HC STD	FC069168.D	12 Jun 2025 00:09	YP/AJ	Ok,M
16	Q2177-04	FC069169.D	12 Jun 2025 01:28	YP/AJ	Not Ok
17	Q2177-06	FC069170.D	12 Jun 2025 02:08	YP/AJ	Not Ok
18	Q2198-01	FC069171.D	12 Jun 2025 02:48	YP/AJ	Ok
19	Q2198-03	FC069172.D	12 Jun 2025 03:27	YP/AJ	Ok
20	I.BLK	FC069173.D	12 Jun 2025 04:07	YP/AJ	Ok
21	20 PPM ALIPHATIC HC STD	FC069174.D	12 Jun 2025 04:46	YP/AJ	Ok,M

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC061125AL

Review By	yogesh	Review On	6/11/2025 3:08:31 PM
Supervise By	mohammad	Supervise On	6/13/2025 1:40:04 AM
SubDirectory	FC061125AL	HP Acquire Method	HP Processing Method FC052425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

22	PB168409BL	FC069175.D	12 Jun 2025 06:04	YP/AJ	Ok
23	Q2126-07	FC069176.D	12 Jun 2025 06:44	YP/AJ	Ok,M
24	Q2126-07	FC069177.D	12 Jun 2025 07:23	YP/AJ	Ok,M
25	Q2126-08	FC069178.D	12 Jun 2025 08:02	YP/AJ	Ok,M
26	I.BLK	FC069179.D	12 Jun 2025 08:41	YP/AJ	Ok
27	20 PPM ALIPHATIC HC STD	FC069180.D	12 Jun 2025 09:21	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD052425AR

Review By	yogesh	Review On	5/23/2025 12:26:08 PM
Supervise By	mohammad	Supervise On	5/28/2025 1:48:35 AM
SubDirectory	FD052425AR	HP Acquire Method	HP Processing Method FD052425AR
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	FD049392.D	23 May 2025 13:35	YP/AJ	Ok
2	I.BLK	FD049393.D	23 May 2025 14:12	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD049394.D	23 May 2025 14:50	YP/AJ	Ok,M
4	50 PPM AROMATIC HC STD2	FD049395.D	23 May 2025 15:28	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD049396.D	23 May 2025 16:05	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD049397.D	23 May 2025 16:43	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD049398.D	23 May 2025 17:20	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD049399.D	23 May 2025 17:58	YP/AJ	Ok
9	I.BLK	FD049400.D	23 May 2025 19:13	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD049401.D	23 May 2025 19:50	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD060925AR

Review By	yogesh	Review On	6/9/2025 1:09:15 PM
Supervise By	mohammad	Supervise On	6/11/2025 2:16:01 AM
SubDirectory	FD060925AR	HP Acquire Method	HP Processing Method FD052425AR
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	FD049412.D	09 Jun 2025 09:27	YP/AJ	Ok
2	I.BLK	FD049413.D	09 Jun 2025 10:07	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049414.D	09 Jun 2025 12:17	YP/AJ	Ok
4	PB168324BL	FD049415.D	09 Jun 2025 16:17	YP/AJ	Ok
5	PB168324BS	FD049416.D	09 Jun 2025 16:57	YP/AJ	Ok
6	PB168324BSD	FD049417.D	09 Jun 2025 17:37	YP/AJ	Ok
7	Q2177-08	FD049418.D	09 Jun 2025 18:17	YP/AJ	Ok
8	Q2198-05	FD049419.D	09 Jun 2025 18:58	YP/AJ	Not Ok
9	I.BLK	FD049420.D	09 Jun 2025 20:20	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD049421.D	09 Jun 2025 21:01	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061025AR

Review By	yogesh	Review On	6/10/2025 11:55:57 AM
Supervise By	mohammad	Supervise On	6/12/2025 3:34:06 AM
SubDirectory	FD061025AR	HP Acquire Method	HP Processing Method FD052425AR
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	FD049422.D	10 Jun 2025 07:53	YP/AJ	Ok
2	I.BLK	FD049423.D	10 Jun 2025 08:31	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049424.D	10 Jun 2025 09:11	YP/AJ	Ok
4	Q2198-05	FD049425.D	10 Jun 2025 11:50	YP/AJ	Ok
5	I.BLK	FD049426.D	10 Jun 2025 12:30	YP/AJ	Ok
6	20 PPM AROMATIC HC STD	FD049427.D	10 Jun 2025 13:10	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061125AR

Review By	yogesh	Review On	6/11/2025 3:09:24 PM
Supervise By	mohammad	Supervise On	6/13/2025 1:40:17 AM
SubDirectory	FD061125AR	HP Acquire Method	HP Processing Method FD052425AR
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	PP24503 PP24501,PP24506		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049428.D	11 Jun 2025 10:11	YP/AJ	Ok
2	I.BLK	FD049429.D	11 Jun 2025 10:51	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049430.D	11 Jun 2025 12:12	YP/AJ	Ok
4	PP24647	FD049431.D	11 Jun 2025 15:52	YP/AJ	Ok
5	PB168408BL	FD049432.D	11 Jun 2025 16:33	YP/AJ	Ok
6	PB168408BS	FD049433.D	11 Jun 2025 17:15	YP/AJ	Ok
7	PB168408BSD	FD049434.D	11 Jun 2025 17:57	YP/AJ	Ok
8	Q2126-01	FD049435.D	11 Jun 2025 18:39	YP/AJ	Ok
9	Q2126-01	FD049436.D	11 Jun 2025 19:23	YP/AJ	Ok
10	Q2126-02	FD049437.D	11 Jun 2025 20:05	YP/AJ	Ok,M
11	Q2177-02	FD049438.D	11 Jun 2025 20:47	YP/AJ	Not Ok
12	Q2177-02D	FD049439.D	11 Jun 2025 21:28	YP/AJ	Not Ok
13	Q2177-02MS	FD049440.D	11 Jun 2025 22:09	YP/AJ	Not Ok
14	Q2177-02MSD	FD049441.D	11 Jun 2025 22:50	YP/AJ	Not Ok
15	I.BLK	FD049442.D	11 Jun 2025 23:29	YP/AJ	Ok
16	20 PPM AROMATIC HC STD	FD049443.D	12 Jun 2025 00:09	YP/AJ	Ok
17	Q2177-04	FD049444.D	12 Jun 2025 01:28	YP/AJ	Not Ok
18	Q2177-06	FD049445.D	12 Jun 2025 02:08	YP/AJ	Not Ok
19	Q2198-01	FD049446.D	12 Jun 2025 02:48	YP/AJ	Ok
20	Q2198-03	FD049447.D	12 Jun 2025 03:27	YP/AJ	Ok
21	I.BLK	FD049448.D	12 Jun 2025 04:07	YP/AJ	Ok

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061125AR

Review By	yogesh	Review On	6/11/2025 3:09:24 PM
Supervise By	mohammad	Supervise On	6/13/2025 1:40:17 AM
SubDirectory	FD061125AR	HP Acquire Method	HP Processing Method FD052425AR
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		

22	20 PPM AROMATIC HC STD	FD049449.D	12 Jun 2025 04:46	YP/AJ	Ok
23	PB168409BL	FD049450.D	12 Jun 2025 06:04	YP/AJ	Ok
24	Q2126-07	FD049451.D	12 Jun 2025 06:44	YP/AJ	Ok
25	Q2126-07	FD049452.D	12 Jun 2025 07:23	YP/AJ	Ok,M
26	Q2126-08	FD049453.D	12 Jun 2025 08:02	YP/AJ	Ok
27	I.BLK	FD049454.D	12 Jun 2025 08:41	YP/AJ	Ok
28	20 PPM AROMATIC HC STD	FD049455.D	12 Jun 2025 09:21	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061325AR

Review By	yogesh	Review On	6/13/2025 10:27:20 AM
Supervise By	mohammad	Supervise On	6/16/2025 8:33:02 AM
SubDirectory	FD061325AR	HP Acquire Method	HP Processing Method FD052425AR
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	FD049479.D	13 Jun 2025 06:29	YP/AJ	Ok
2	I.BLK	FD049480.D	13 Jun 2025 07:07	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049481.D	13 Jun 2025 07:46	YP/AJ	Ok
4	Q2177-02	FD049482.D	13 Jun 2025 08:25	YP/AJ	Ok
5	Q2177-02D	FD049483.D	13 Jun 2025 09:04	YP/AJ	Ok
6	Q2177-02MS	FD049484.D	13 Jun 2025 09:48	YP/AJ	Ok
7	Q2177-02MSD	FD049485.D	13 Jun 2025 10:28	YP/AJ	Ok
8	Q2286-03DL	FD049486.D	13 Jun 2025 11:07	YP/AJ	Dilution
9	Q2286-03DL2	FD049487.D	13 Jun 2025 11:47	YP/AJ	Ok
10	I.BLK	FD049488.D	13 Jun 2025 12:26	YP/AJ	Ok
11	20 PPM AROMATIC HC STD	FD049489.D	13 Jun 2025 13:06	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC052425AL

Review By	yogesh	Review On	5/23/2025 12:24:51 PM
Supervise By	mohammad	Supervise On	5/28/2025 1:48:12 AM
SubDirectory	FC052425AL	HP Acquire Method	HP Processing Method FC052425AL
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	FC068996.D	23 May 2025 12:58		YP/AJ	Ok
2	I.BLK	I.BLK	FC068997.D	23 May 2025 13:35		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC068998.D	23 May 2025 14:12		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068999.D	23 May 2025 14:50		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069000.D	23 May 2025 15:28		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC069001.D	23 May 2025 16:05		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC069002.D	23 May 2025 16:43		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069003.D	23 May 2025 17:20		YP/AJ	Ok,M
9	I.BLK	I.BLK	FC069004.D	23 May 2025 18:36		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069005.D	23 May 2025 19:13		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC060925AL

Review By	yogesh	Review On	6/9/2025 12:18:01 PM
Supervise By	mohammad	Supervise On	6/11/2025 2:15:53 AM
SubDirectory	FC060925AL	HP Acquire Method	HP Processing Method FC052425AL
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	FC069131.D	09 Jun 2025 09:27		YP/AJ	Ok
2	I.BLK	I.BLK	FC069132.D	09 Jun 2025 10:07		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069133.D	09 Jun 2025 12:17		YP/AJ	Ok,M
4	PB168324BL	PB168324BL	FC069134.D	09 Jun 2025 16:17		YP/AJ	Ok
5	PB168324BS	PB168324BS	FC069135.D	09 Jun 2025 16:57	naphthalene break down - 0.648, 2-methylnepthalene break down - 0.668	YP/AJ	Ok,M
6	PB168324BSD	PB168324BSD	FC069136.D	09 Jun 2025 17:37	naphthalene break down - 0.725, 2-methylnepthalene break down - 0.817	YP/AJ	Ok,M
7	Q2177-08	EB05312025	FC069137.D	09 Jun 2025 18:17		YP/AJ	Ok
8	Q2198-05	B-202-GW01	FC069138.D	09 Jun 2025 18:58		YP/AJ	Ok
9	I.BLK	I.BLK	FC069139.D	09 Jun 2025 20:20		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069140.D	09 Jun 2025 21:41		YP/AJ	Ok,M
11	PB168341BL	PB168341BL	FC069141.D	09 Jun 2025 22:21		YP/AJ	Ok
12	PB168341BS	PB168341BS	FC069142.D	09 Jun 2025 23:02		YP/AJ	Ok,M
13	PB168341BSD	PB168341BSD	FC069143.D	09 Jun 2025 23:41		YP/AJ	Ok,M
14	Q2265-01	TP11-MHL-WC	FC069144.D	10 Jun 2025 00:21		YP/AJ	Ok
15	Q2265-01D	Q2265-01D	FC069145.D	10 Jun 2025 01:00		YP/AJ	Ok
16	Q2265-01MS	TP11-MHL-WCMS	FC069146.D	10 Jun 2025 01:39	FC069144.D	YP/AJ	Ok,M

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC060925AL

Review By	yogesh	Review On	6/9/2025 12:18:01 PM
Supervise By	mohammad	Supervise On	6/11/2025 2:15:53 AM
SubDirectory	FC060925AL	HP Acquire Method	HP Processing Method FC052425AL
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	Q2265-01MSD	TP11-MHL-WCMSD	FC069147.D	10 Jun 2025 02:19	FC069144.D!FC069146.D	YP/AJ	Ok,M
18	Q2265-03	TP11-MHL-EPH	FC069148.D	10 Jun 2025 02:58		YP/AJ	Ok
19	I.BLK	I.BLK	FC069149.D	10 Jun 2025 04:16		YP/AJ	Ok
20	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069150.D	10 Jun 2025 04:55		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC061125AL

Review By	yogesh	Review On	6/11/2025 3:08:31 PM
Supervise By	mohammad	Supervise On	6/13/2025 1:40:04 AM
SubDirectory	FC061125AL	HP Acquire Method	HP Processing Method FC052425AL
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	FC069154.D	11 Jun 2025 10:11		YP/AJ	Ok
2	I.BLK	I.BLK	FC069155.D	11 Jun 2025 10:51		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069156.D	11 Jun 2025 12:12		YP/AJ	Ok,M
4	PB168408BL	PB168408BL	FC069157.D	11 Jun 2025 16:33		YP/AJ	Ok
5	PB168408BS	PB168408BS	FC069158.D	11 Jun 2025 17:15	naphthalene break down - 0.510, 2-methylnepthalene break down - 0.715	YP/AJ	Ok,M
6	PB168408BSD	PB168408BSD	FC069159.D	11 Jun 2025 17:57	naphthalene break down - 0.674, 2-methylnepthalene break down - 0.938	YP/AJ	Ok,M
7	Q2126-01	LOD-MDL-SOIL-03-QT	FC069160.D	11 Jun 2025 18:39	2.5 PPM SOIL LOD	YP/AJ	Ok,M
8	Q2126-01	LOD-MDL-SOIL-03-QT	FC069161.D	11 Jun 2025 19:23	5 PPM SOIL LOD	YP/AJ	Ok,M
9	Q2126-02	LOQ-SOIL-02-QT2-202	FC069162.D	11 Jun 2025 20:05	5 PPM SOIL LOQ	YP/AJ	Ok,M
10	Q2177-02	B-187-SB01	FC069163.D	11 Jun 2025 20:47	Surr Fail	YP/AJ	Not Ok
11	Q2177-02D	Q2177-02D	FC069164.D	11 Jun 2025 21:28	Surr Fail	YP/AJ	Not Ok
12	Q2177-02MS	B-187-SB01MS	FC069165.D	11 Jun 2025 22:09	FC069184.D	YP/AJ	Ok,M
13	Q2177-02MSD	B-187-SB01MSD	FC069166.D	11 Jun 2025 22:50	FC069184.D!FC069165.D	YP/AJ	Ok,M
14	I.BLK	I.BLK	FC069167.D	11 Jun 2025 23:29		YP/AJ	Ok
15	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069168.D	12 Jun 2025 00:09		YP/AJ	Ok,M
16	Q2177-04	B-187-SB02	FC069169.D	12 Jun 2025 01:28	Surr Fail	YP/AJ	Not Ok

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC061125AL

Review By	yogesh	Review On	6/11/2025 3:08:31 PM
Supervise By	mohammad	Supervise On	6/13/2025 1:40:04 AM
SubDirectory	FC061125AL	HP Acquire Method	HP Processing Method FC052425AL
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	Q2177-06	B-202-SB01	FC069170.D	12 Jun 2025 02:08	Surr Fail	YP/AJ	Not Ok
18	Q2198-01	B-202-SB02	FC069171.D	12 Jun 2025 02:48		YP/AJ	Ok
19	Q2198-03	B-207-SB02	FC069172.D	12 Jun 2025 03:27		YP/AJ	Ok
20	I.BLK	I.BLK	FC069173.D	12 Jun 2025 04:07		YP/AJ	Ok
21	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069174.D	12 Jun 2025 04:46		YP/AJ	Ok,M
22	PB168409BL	PB168409BL	FC069175.D	12 Jun 2025 06:04		YP/AJ	Ok
23	Q2126-07	LOD-MDL-WATER-01-0	FC069176.D	12 Jun 2025 06:44	2.5 PPM WATER LOD	YP/AJ	Ok,M
24	Q2126-07	LOD-MDL-WATER-01-0	FC069177.D	12 Jun 2025 07:23	5 PPM WATER LOD	YP/AJ	Ok,M
25	Q2126-08	LOQ-WATER-02-QT2-2	FC069178.D	12 Jun 2025 08:02	5 PPM WATER LOQ	YP/AJ	Ok,M
26	I.BLK	I.BLK	FC069179.D	12 Jun 2025 08:41		YP/AJ	Ok
27	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069180.D	12 Jun 2025 09:21		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD052425AR

Review By	yogesh	Review On	5/23/2025 12:26:08 PM
Supervise By	mohammad	Supervise On	5/28/2025 1:48:35 AM
SubDirectory	FD052425AR	HP Acquire Method	HP Processing Method FD052425AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC	PP24503		
Internal Standard/PEM	PP24501,PP24506		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049392.D	23 May 2025 13:35		YP/AJ	Ok
2	I.BLK	I.BLK	FD049393.D	23 May 2025 14:12		YP/AJ	Ok
3	100 PPM AROMATIC HC	100 PPM AROMATIC HC	FD049394.D	23 May 2025 14:50		YP/AJ	Ok,M
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD049395.D	23 May 2025 15:28		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049396.D	23 May 2025 16:05		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD049397.D	23 May 2025 16:43		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD049398.D	23 May 2025 17:20		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049399.D	23 May 2025 17:58		YP/AJ	Ok
9	I.BLK	I.BLK	FD049400.D	23 May 2025 19:13		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049401.D	23 May 2025 19:50		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD060925AR

Review By	yogesh	Review On	6/9/2025 1:09:15 PM		
Supervise By	mohammad	Supervise On	6/11/2025 2:16:01 AM		
SubDirectory	FD060925AR	HP Acquire Method	HP Processing Method	FD052425AR	
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		PP24500,PP24502,PP24503,PP24504,PP24505			
CCC		PP24503			
Internal Standard/PEM		PP24501,PP24506			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049412.D	09 Jun 2025 09:27		YP/AJ	Ok
2	I.BLK	I.BLK	FD049413.D	09 Jun 2025 10:07		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049414.D	09 Jun 2025 12:17		YP/AJ	Ok
4	PB168324BL	PB168324BL	FD049415.D	09 Jun 2025 16:17		YP/AJ	Ok
5	PB168324BS	PB168324BS	FD049416.D	09 Jun 2025 16:57	naphthalene break down - 0.648, 2-methylnepthalene break down - 0.668	YP/AJ	Ok
6	PB168324BSD	PB168324BSD	FD049417.D	09 Jun 2025 17:37	naphthalene break down - 0.725, 2-methylnepthalene break down - 0.817	YP/AJ	Ok
7	Q2177-08	EB05312025	FD049418.D	09 Jun 2025 18:17		YP/AJ	Ok
8	Q2198-05	Q2198-05	FD049419.D	09 Jun 2025 18:58	surr fail	YP/AJ	Not Ok
9	I.BLK	I.BLK	FD049420.D	09 Jun 2025 20:20		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049421.D	09 Jun 2025 21:01		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061025AR

Review By	yogesh	Review On	6/10/2025 11:55:57 AM
Supervise By	mohammad	Supervise On	6/12/2025 3:34:06 AM
SubDirectory	FD061025AR	HP Acquire Method	HP Processing Method FD052425AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC	PP24503		
Internal Standard/PEM	PP24501,PP24506		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049422.D	10 Jun 2025 07:53		YP/AJ	Ok
2	I.BLK	I.BLK	FD049423.D	10 Jun 2025 08:31		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049424.D	10 Jun 2025 09:11		YP/AJ	Ok
4	Q2198-05	B-202-GW01	FD049425.D	10 Jun 2025 11:50		YP/AJ	Ok
5	I.BLK	I.BLK	FD049426.D	10 Jun 2025 12:30		YP/AJ	Ok
6	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049427.D	10 Jun 2025 13:10		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061125AR

Review By	yogesh	Review On	6/11/2025 3:09:24 PM
Supervise By	mohammad	Supervise On	6/13/2025 1:40:17 AM
SubDirectory	FD061125AR	HP Acquire Method	HP Processing Method
			FD052425AR
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	FD049428.D	11 Jun 2025 10:11		YP/AJ	Ok
2	I.BLK	I.BLK	FD049429.D	11 Jun 2025 10:51		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049430.D	11 Jun 2025 12:12		YP/AJ	Ok
4	PP24647	PP24647	FD049431.D	11 Jun 2025 15:52		YP/AJ	Ok
5	PB168408BL	PB168408BL	FD049432.D	11 Jun 2025 16:33		YP/AJ	Ok
6	PB168408BS	PB168408BS	FD049433.D	11 Jun 2025 17:15	naphthalene break down - 0.510, 2-methylnaphthalene break down - 0.715	YP/AJ	Ok
7	PB168408BSD	PB168408BSD	FD049434.D	11 Jun 2025 17:57	naphthalene break down - 0.674, 2-methylnaphthalene break down - 0.938	YP/AJ	Ok
8	Q2126-01	LOD-MDL-SOIL-03-QT	FD049435.D	11 Jun 2025 18:39	2.5 PPM SOIL LOD	YP/AJ	Ok
9	Q2126-01	LOD-MDL-SOIL-03-QT	FD049436.D	11 Jun 2025 19:23	5 PPM SOIL LOD	YP/AJ	Ok
10	Q2126-02	LOQ-SOIL-02-QT2-202	FD049437.D	11 Jun 2025 20:05	5 PPM SOIL LOQ	YP/AJ	Ok,M
11	Q2177-02	B-187-SB01	FD049438.D	11 Jun 2025 20:47	Surr Fail	YP/AJ	Not Ok
12	Q2177-02D	Q2177-02D	FD049439.D	11 Jun 2025 21:28	Surr Fail	YP/AJ	Not Ok
13	Q2177-02MS	Q2177-02MS	FD049440.D	11 Jun 2025 22:09		YP/AJ	Not Ok
14	Q2177-02MSD	Q2177-02MSD	FD049441.D	11 Jun 2025 22:50		YP/AJ	Not Ok
15	I.BLK	I.BLK	FD049442.D	11 Jun 2025 23:29		YP/AJ	Ok
16	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049443.D	12 Jun 2025 00:09		YP/AJ	Ok

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061125AR

Review By	yogesh	Review On	6/11/2025 3:09:24 PM	
Supervise By	mohammad	Supervise On	6/13/2025 1:40:17 AM	
SubDirectory	FD061125AR	HP Acquire Method	HP Processing Method	FD052425AR
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			

17	Q2177-04	B-187-SB02	FD049444.D	12 Jun 2025 01:28	Surr Fail	YP/AJ	Not Ok
18	Q2177-06	B-202-SB01	FD049445.D	12 Jun 2025 02:08	Surr Fail	YP/AJ	Not Ok
19	Q2198-01	B-202-SB02	FD049446.D	12 Jun 2025 02:48		YP/AJ	Ok
20	Q2198-03	B-207-SB02	FD049447.D	12 Jun 2025 03:27		YP/AJ	Ok
21	I.BLK	I.BLK	FD049448.D	12 Jun 2025 04:07		YP/AJ	Ok
22	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049449.D	12 Jun 2025 04:46		YP/AJ	Ok
23	PB168409BL	PB168409BL	FD049450.D	12 Jun 2025 06:04		YP/AJ	Ok
24	Q2126-07	LOD-MDL-WATER-01-0	FD049451.D	12 Jun 2025 06:44	2.5 PPM WATER LOD	YP/AJ	Ok
25	Q2126-07	LOD-MDL-WATER-01-0	FD049452.D	12 Jun 2025 07:23	5 PPM WATER LOD	YP/AJ	Ok,M
26	Q2126-08	LOQ-WATER-02-QT2-2	FD049453.D	12 Jun 2025 08:02	5 PPM WATER LOQ	YP/AJ	Ok
27	I.BLK	I.BLK	FD049454.D	12 Jun 2025 08:41		YP/AJ	Ok
28	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049455.D	12 Jun 2025 09:21		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061325AR

Review By	yogesh	Review On	6/13/2025 10:27:20 AM
Supervise By	mohammad	Supervise On	6/16/2025 8:33:02 AM
SubDirectory	FD061325AR	HP Acquire Method	HP Processing Method
			FD052425AR
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	FD049479.D	13 Jun 2025 06:29		YP/AJ	Ok
2	I.BLK	I.BLK	FD049480.D	13 Jun 2025 07:07		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049481.D	13 Jun 2025 07:46		YP/AJ	Ok
4	Q2177-02	B-187-SB01	FD049482.D	13 Jun 2025 08:25		YP/AJ	Ok
5	Q2177-02D	Q2177-02D	FD049483.D	13 Jun 2025 09:04		YP/AJ	Ok
6	Q2177-02MS	B-187-SB01MS	FD049484.D	13 Jun 2025 09:48	FD049482.D	YP/AJ	Ok
7	Q2177-02MSD	B-187-SB01MSD	FD049485.D	13 Jun 2025 10:28	FD049482.D!FD049484.D	YP/AJ	Ok
8	Q2286-03DL	LAW-25-0084DL	FD049486.D	13 Jun 2025 11:07	need further dilution	YP/AJ	Dilution
9	Q2286-03DL2	LAW-25-0084DL2	FD049487.D	13 Jun 2025 11:47		YP/AJ	Ok
10	I.BLK	I.BLK	FD049488.D	13 Jun 2025 12:26		YP/AJ	Ok
11	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049489.D	13 Jun 2025 13:06		YP/AJ	Ok

M : Manual Integration

SOP ID:	MNJDEP-EPH-7		
Clean Up SOP #:	N/A	Extraction Start Date :	06/06/2025
Matrix :	Water	Extraction Start Time :	09:10
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Filter By:	RS
Balance ID:	N/A	pH Meter ID:	N/A
pH Strip Lot#:	E3880	Hood ID:	4,6,7
Extraction Method:	☒ Separatory Funnel	☐ Continuous Liquid/Liquid	☐ Sonication
		☐ Waste Dilution	☐ Soxhlet
		Extraction End Date :	06/06/2025
		Extraction End Time :	16:15
		Concentration By:	EH
		Supervisor By :	RUPESH

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24573
Surrogate	1.0ML	100 PPM	PP24591
Fractionation Surrogate	1.0ML	100 PPM	PP24623
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	E3930
Baked Na2SO4	N/A	EP2614
Hexane	N/A	E3934
6N HCL	N/A	EP2615
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.

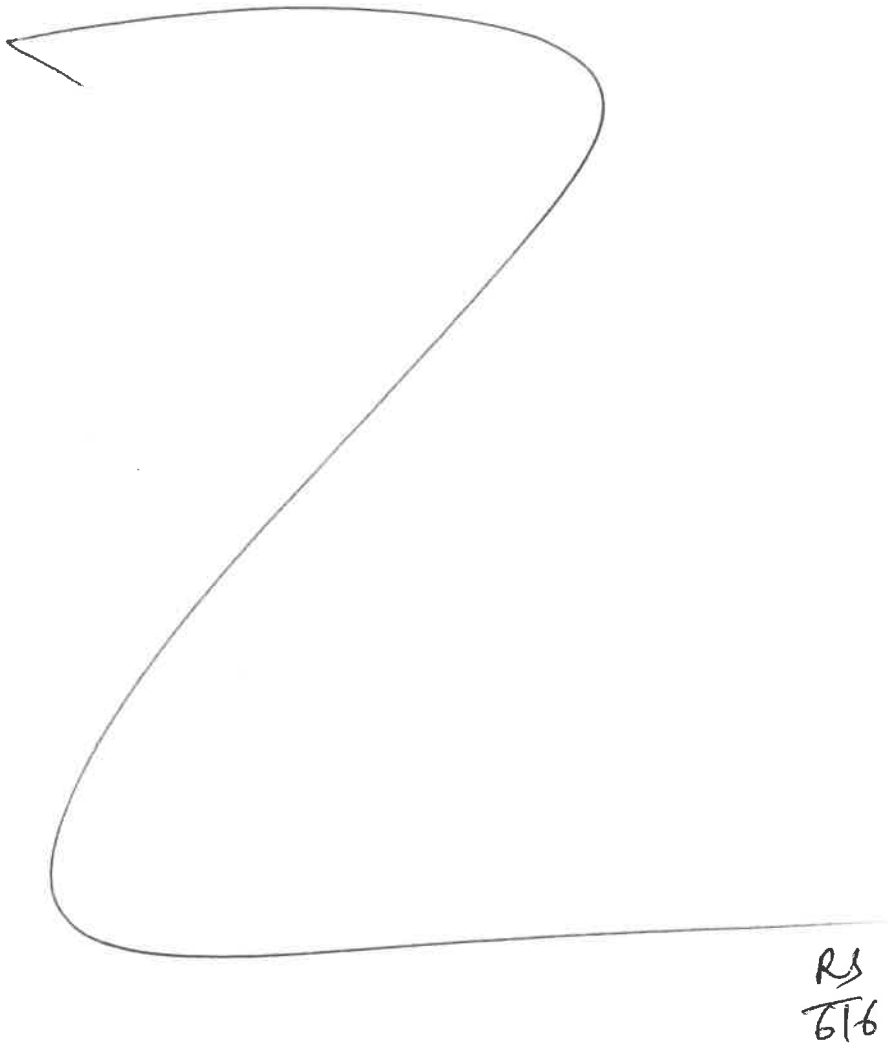
KD Bath ID:	WATER BATH-1	Envap ID:	NE VAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/6/25	RS (Ext Lab)	T-P-Pest-1/03
16:20	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 06/06/2025

Sample ID	Client Sample ID	Test	g / <u>mL</u>	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168324BL	PB168324BL	EPH	1000	<2	RUPESH	ritesh	2			SEP-1
PB168324BS	PB168324BS	EPH	1000	<2	RUPESH	ritesh	2			2
PB168324BSD	PB168324BSD	EPH	1000	<2	RUPESH	ritesh	2			3
Q2177-08	EB05312025	EPH	910	<2	RUPESH	ritesh	2	G		4
Q2198-05	B-202-GW01	EPH	990	<2	RUPESH	ritesh	2	G		5



RS
6/6

* Extracts relinquished on the same date as received.

1683224
6-10-25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2177EPH WorkList ID : 189993 Department : Extraction Date : 06-06-2025 09:05:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2177-08	EB05312025	Water	EPH	1:1 HCl to pH < 2	PORT06	L41	05/31/2025	NJEPH
Q2198-05	B-202-GW01	Water	EPH	1:1 HCl to pH < 2	PORT06	N22	05/31/2025	NJEPH

Date/Time 6/6/25 9:05
Raw Sample Received by: RS (Ext-G-B)
Raw Sample Relinquished by: CP SR

Date/Time 6/6/25 9:30
Raw Sample Received by: CP SR
Raw Sample Relinquished by: RS (Ext-G-B)



SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix: Solid

Weight 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: 06/11/2025

Extraction Start Time: 08:45

Extraction End Date: 06/11/2025

Extraction End Time: 15:45

Concentration By: EH

Supervisor By: ritesh

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	PP24573
Surrogate	1.0ML	100 PPM	PP24591
Fractionation Surrogate	1.0ML	100 PPM	PP24623
LOD	0.25ML/0.4ML	20 PPM	PP24131
LOQ	0.5ML	20 PPM	PP24131

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2620
Sand	N/A	E2865
Hexane	N/A	E3938
Methylene Chloride	N/A	E3939
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

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
06/11/25	RP (Ext 205)	Y-P-Pest/IPC
15:50	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 06/11/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168408BL	PB168408BL	EPH	30.01	N/A	ritesh	Evelyn	2			U2-1
PB168408BS	PB168408BS	EPH	30.02	N/A	ritesh	Evelyn	2			2
PB168408BSD	PB168408BSD	EPH	30.03	N/A	ritesh	Evelyn	2			3
Q2126-01	LOD-MDL-SOIL-03-QT2-2025 0.25 ML	EPH	30.04	N/A	ritesh	Evelyn	2			4
Q2126-02	LOQ-SOIL-02-QT2-2025 0.5 ML	EPH	30.02	N/A	ritesh	Evelyn	2			5
Q2177-02	B-187-SB01	EPH	30.06	N/A	ritesh	Evelyn	2	F		6
Q2177-02DUP	B-187-SB01DUP	EPH	30.08	N/A	ritesh	Evelyn	2	F		U3-1
Q2177-02MS	B-187-SB01MS	EPH	30.03	N/A	ritesh	Evelyn	2	F		2
Q2177-02MSD	B-187-SB01MSD	EPH	30.04	N/A	ritesh	Evelyn	2	F		3
Q2177-04	B-187-SB02	EPH	30.01	N/A	ritesh	Evelyn	2	F		4
Q2177-06	B-202-SB01	EPH	30.03	N/A	ritesh	Evelyn	2	F		5
Q2198-01	B-202-SB02	EPH	30.05	N/A	ritesh	Evelyn	2	D		6
Q2198-03	B-207-SB02	EPH	30.06	N/A	ritesh	Evelyn	2	D		U1-1
	LOD 0.4 ML	1	30.01	1	1	1	2			2

* Extracts relinquished on the same date as received.

8/11/25

10694605

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2177E WorkList ID : 190091 Department : Extraction Date : 06-11-2025 08:43:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2126-01	LOD-MDL-SOIL-03-QT2-2025	Solid	EPH	Cool 4 deg C	ALLI03	QA 01	05/23/2025	NJEPH
Q2126-02	LOQ-SOIL-02-QT2-2025	Solid	EPH	Cool 4 deg C	ALLI03	QA 01	05/23/2025	NJEPH
Q2177-02	B-187-SB01	Solid	EPH	Cool 4 deg C	PORT06	L41	05/31/2025	NJEPH
Q2177-04	B-187-SB02	Solid	EPH	Cool 4 deg C	PORT06	L41	05/31/2025	NJEPH
Q2177-06	B-202-SB01	Solid	EPH	Cool 4 deg C	PORT06	L41	05/31/2025	NJEPH
Q2198-01	B-202-SB02	Solid	EPH	Cool 4 deg C	PORT06	N22	05/31/2025	NJEPH
Q2198-03	B-207-SB02	Solid	EPH	Cool 4 deg C	PORT06	N22	06/01/2025	NJEPH

Date/Time 06/11/25 8:44
Raw Sample Received by: R. J. (Sgt) L. (Sgt)
Raw Sample Relinquished by: CP

Date/Time 06/11/25 9:15
Raw Sample Received by: CP
Raw Sample Relinquished by: R. J. (Sgt) L. (Sgt)

LAB CHRONICLE

OrderID:	Q2198	OrderDate:	6/3/2025 2:31:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	N22, VOA Ref. #2 Soil, VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2198-01	B-202-SB02	SOIL			05/31/25			06/03/25
			PCB	8082A		06/04/25	06/04/25	
			TPH GC	8015D		06/10/25	06/10/25	
			EPH	NJEPH		06/11/25	06/12/25	
Q2198-02	B-202-SB02	TCLP			05/31/25			06/03/25
			TCLP Herbicide	8151A		06/06/25	06/09/25	
			TCLP Pesticide	8081B		06/06/25	06/09/25	
Q2198-03	B-207-SB02	SOIL			06/01/25			06/03/25
			TPH GC	8015D		06/10/25	06/10/25	
			PCB	8082A		06/04/25	06/04/25	
			EPH	NJEPH		06/11/25	06/12/25	
Q2198-04	B-207-SB02	TCLP			06/01/25			06/03/25
			TCLP Herbicide	8151A		06/06/25	06/09/25	
			TCLP Pesticide	8081B		06/06/25	06/09/25	
Q2198-05	B-202-GW01	WATER			05/31/25			06/03/25
			PCB	8082A		06/06/25	06/06/25	
			EPH	NJEPH		06/06/25	06/09/25	
			EPH	NJEPH		06/06/25	06/10/25	