



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-TOP	SDG No.:	P4892
Lab Sample ID:	P4892-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	59.8
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
11/21/24 08:35	11/22/24 12:44	PB165188

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.54	J	1	0.64	1.67	mg/kg	FC067852.D
Aliphatic C12-C16	Aliphatic C12-C16	7.77		1	0.40	1.11	mg/kg	FC067852.D
Aliphatic C16-C21	Aliphatic C16-C21	14.2		1	0.50	1.67	mg/kg	FC067852.D
Aliphatic C21-C28	Aliphatic C21-C28	22.8		1	1.34	2.23	mg/kg	FC067852.D
Aliphatic C28-C40	Aliphatic C28-C40	32.8		1	3.01	3.34	mg/kg	FC067852.D
Aromatic C10-C12	Aromatic C10-C12	0.76	J	1	0.50	1.11	mg/kg	FD048803.D
Aromatic C12-C16	Aromatic C12-C16	7.27		1	0.57	1.67	mg/kg	FD048803.D
Aromatic C16-C21	Aromatic C16-C21	11.3		1	1.60	2.78	mg/kg	FD048803.D
Aromatic C21-C36	Aromatic C21-C36	29.1		1	3.34	4.45	mg/kg	FD048803.D
Total AliphaticEPH	Total AliphaticEPH	79.1			5.89	10.0	mg/kg	
Total AromaticEPH	Total AromaticEPH	48.4			6.01	10.0	mg/kg	
Total EPH	Total EPH	128			11.9	20.0	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:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-TOP	SDG No.:	P4892
Lab Sample ID:	P4892-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	59.8
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
FC067852.D	1	11/21/24	11/22/24	PB165188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	1.54	J	0.64	1.67	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.77		0.40	1.11	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	14.2		0.50	1.67	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	22.8		1.34	2.23	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	32.8		3.01	3.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.0		40 - 140	66%	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:	P4892-01	Acq On:	22 Nov 2024 12:44
Client Sample ID:	WB-310-TOP	Operator:	YP/AJ
Data file:	FC067852.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.186	6.463	2294732	13.841	300	ug/ml
Aliphatic C12-C16	6.464	9.851	11886575	69.763	200	ug/ml
Aliphatic C16-C21	9.852	13.208	21659099	127.691	300	ug/ml
Aliphatic C21-C28	13.209	16.863	32148899	204.405	400	ug/ml
Aliphatic C28-C40	16.864	21.709	35658378	294.426	600	ug/ml
Aliphatic EPH	3.186	21.709	103647683	710.127		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.943	12.943	4795266	33.03		ug/ml
Aliphatic C9-C28	3.186	16.863	67989305	415.7	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-TOP	SDG No.:	P4892
Lab Sample ID:	P4892-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	59.8
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
FD048803.D	1	11/21/24	11/22/24	PB165188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.76	J	0.50	1.11	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.27		0.57	1.67	mg/kg
Aromatic C16-C21	Aromatic C16-C21	11.3		1.60	2.78	mg/kg
Aromatic C21-C36	Aromatic C21-C36	29.1		3.34	4.45	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	56.3		40 - 140	113%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	48.3		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.8		40 - 140	78%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4892-01	Acq On:	22 Nov 2024 12:44
Client Sample ID:	WB-310-TOP	Operator:	YP/AJ
Data file:	FD048803.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	4.088	5.804	1312729	6.837	200	ug/ml
Aromatic C12-C16	5.805	8.412	12564747	65.285	300	ug/ml
Aromatic C16-C21	8.413	12.677	18849210	101.446	500	ug/ml
Aromatic C21-C36	12.678	18.087	41095698	261.371	800	ug/ml
Aromatic EPH	4.088	18.087	73822384	434.94		ug/ml
ortho-Terphenyl (SURR)	11.254	11.254	7455545	38.76		ug/ml
2-Bromonaphthalene (SURR)	7.367	7.367	9909110	56.28		ug/ml
2-Flurobiphenyl (SURR)	8.217	8.217	5558802	48.27		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOT	SDG No.:	P4892
Lab Sample ID:	P4892-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
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
11/21/24 08:35	11/22/24 13:20	PB165188

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.44	U	1	0.44	1.16	mg/kg	FC067853.D
Aliphatic C12-C16	Aliphatic C12-C16	0.28	U	1	0.28	0.77	mg/kg	FC067853.D
Aliphatic C16-C21	Aliphatic C16-C21	0.35	U	1	0.35	1.16	mg/kg	FC067853.D
Aliphatic C21-C28	Aliphatic C21-C28	0.93	U	1	0.93	1.55	mg/kg	FC067853.D
Aliphatic C28-C40	Aliphatic C28-C40	2.09	U	1	2.09	2.32	mg/kg	FC067853.D
Aromatic C10-C12	Aromatic C10-C12	0.35	U	1	0.35	0.77	mg/kg	FD048804.D
Aromatic C12-C16	Aromatic C12-C16	0.40	U	1	0.40	1.16	mg/kg	FD048804.D
Aromatic C16-C21	Aromatic C16-C21	1.11	U	1	1.11	1.93	mg/kg	FD048804.D
Aromatic C21-C36	Aromatic C21-C36	2.32	U	1	2.32	3.10	mg/kg	FD048804.D
Total AliphaticEPH	Total AliphaticEPH	4.09	U		4.09	6.96	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.17	U		4.17	6.96	mg/kg	
Total EPH	Total EPH	8.26	U		8.26	13.9	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOT	SDG No.:	P4892
Lab Sample ID:	P4892-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
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
FC067853.D	1	11/21/24	11/22/24	PB165188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.44	U	0.44	1.16	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.28	U	0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.35	U	0.35	1.16	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.93	U	0.93	1.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.09	U	2.09	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.1		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:	P4892-02	Acq On:	22 Nov 2024 13:20
Client Sample ID:	WB-310-BOT	Operator:	YP/AJ
Data file:	FC067853.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	3.186	6.463	119997	0.724	300	ug/ml
Aliphatic C12-C16	6.464	9.851	83434	0.49	200	ug/ml
Aliphatic C16-C21	9.852	13.208	0	0	300	ug/ml
Aliphatic C21-C28	13.209	16.863	0	0	400	ug/ml
Aliphatic C28-C40	16.864	21.709	0	0	600	ug/ml
Aliphatic EPH	3.186	21.709	203431	1.213		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.943	12.943	5536947	38.14		ug/ml
Aliphatic C9-C28	3.186	16.863	203431	1.214	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOT	SDG No.:	P4892
Lab Sample ID:	P4892-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
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
FD048804.D	1	11/21/24	11/22/24	PB165188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.35	U	0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.40	U	0.40	1.16	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.11	U	1.11	1.93	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.32	U	2.32	3.10	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.5		40 - 140	95%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	48.3		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.6		40 - 140	67%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4892-02	Acq On:	22 Nov 2024 13:20
Client Sample ID:	WB-310-BOT	Operator:	YP/AJ
Data file:	FD048804.D	Misc:	
Instrument:	FID_D	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.088	5.804	131347	0.684	200	ug/ml
Aromatic C12-C16	5.805	8.412	0	0	300	ug/ml
Aromatic C16-C21	8.413	12.677	1499399	8.07	500	ug/ml
Aromatic C21-C36	12.678	18.087	2220693	14.124	800	ug/ml
Aromatic EPH	4.088	18.087	3851439	22.878		ug/ml
2-Bromonaphthalene (SURRE)	7.366	7.366	8364500	47.51		ug/ml
2-Fluorobiphenyl (SURRE)	8.216	8.216	5561237	48.29		ug/ml
ortho-Terphenyl (SURRE)	11.253	11.253	6462912	33.6		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-SW	SDG No.:	P4892
Lab Sample ID:	P4892-04	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
11/20/24 08:28	11/21/24 13:08	PB165151

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.76	U	1	5.76	30.0	ug/l	FC067843.D
Aliphatic C12-C16	Aliphatic C12-C16	3.61	U	1	3.61	20.0	ug/l	FC067843.D
Aliphatic C16-C21	Aliphatic C16-C21	5.14	U	1	5.14	30.0	ug/l	FC067843.D
Aliphatic C21-C28	Aliphatic C21-C28	8.97	U	1	8.97	40.0	ug/l	FC067843.D
Aliphatic C28-C40	Aliphatic C28-C40	24.3	J	1	17.0	60.0	ug/l	FC067843.D
Aromatic C10-C12	Aromatic C10-C12	3.32	U	1	3.32	20.0	ug/l	FD048794.D
Aromatic C12-C16	Aromatic C12-C16	3.69	U	1	3.69	30.0	ug/l	FD048794.D
Aromatic C16-C21	Aromatic C16-C21	12.7	U	1	12.7	50.0	ug/l	FD048794.D
Aromatic C21-C36	Aromatic C21-C36	25.2	U	1	25.2	80.0	ug/l	FD048794.D
Total AliphaticEPH	Total AliphaticEPH	40.5	U		40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	44.9	U		44.9	180	ug/l	
Total EPH	Total EPH	85.4	U		85.4	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:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-SW	SDG No.:	P4892
Lab Sample ID:	P4892-04	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067843.D	1	11/20/24	11/21/24	PB165151

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.76	U	5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	3.61	U	3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	5.14	U	5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	8.97	U	8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	24.3	J	17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.1		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4892-04	Acq On:	21 Nov 2024 13:08
Client Sample ID:	WB-310-SW	Operator:	YP/AJ
Data file:	FC067843.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.186	6.463	36846	0.222	300	ug/ml
Aliphatic C12-C16	6.464	9.851	50624	0.297	200	ug/ml
Aliphatic C16-C21	9.852	13.208	174896	1.031	300	ug/ml
Aliphatic C21-C28	13.209	16.863	0	0	400	ug/ml
Aliphatic C28-C40	16.864	21.710	1473685	12.168	600	ug/ml
Aliphatic EPH	3.186	21.710	1736051	13.718		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.942	12.942	5964500	41.09		ug/ml
Aliphatic C9-C28	3.186	16.863	262366	1.55	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-SW	SDG No.:	P4892
Lab Sample ID:	P4892-04	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048794.D	1	11/20/24	11/21/24	PB165151

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.32	U	3.32	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	3.69	U	3.69	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	12.7	U	12.7	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	25.2	U	25.2	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.9		40 - 140	96%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	48.9		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.1		40 - 140	92%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4892-04	Acq On:	21 Nov 2024 13:08
Client Sample ID:	WB-310-SW	Operator:	YP/AJ
Data file:	FD048794.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	4.088	5.805	106190	0.553	200	ug/ml
Aromatic C12-C16	5.806	8.411	0	0	300	ug/ml
Aromatic C16-C21	8.412	12.676	964032	5.188	500	ug/ml
Aromatic C21-C36	12.677	18.084	1970742	12.534	800	ug/ml
Aromatic EPH	4.088	18.084	3040964	18.275		ug/ml
2-Bromonaphthalene (SURR)	7.367	7.367	8435681	47.91		ug/ml
2-Fluorobiphenyl (SURR)	8.216	8.216	5633975	48.92		ug/ml
ortho-Terphenyl (SURR)	11.255	11.255	8871010	46.12		ug/ml



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: P4892 SAS No.: P4892 SDG No.: P4892
Run Number: FC112124AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
WB-310-SW	82			0
PB165151BL	70			0
PB165151BS	69			0
PB165151BSD	72			0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

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

A
B
C
D
E
F
G
H
I
J

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: P4892 SAS No.: P4892 SDG No.: P4892
Run Number: FC112224AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
WB-310-TOP	66			0
WB-310-BOT	76			0
WB-310-BOTMS	73			0
WB-310-BOTMSD	73			0
PB165188BL	71			0
PB165188BS	70			0
PB165188BSD	73			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.: P4892 SAS No.: P4892 SDG No.: P4892
Run Number: FD112124AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
WB-310-SW	96	98	92	0
PB165151BL	128	117	117	0
PB165151BS	108	98	93	0
PB165151BSD	106	98	92	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.: P4892 SAS No.: P4892 SDG No.: P4892
Run Number: FD112224AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
WB-310-TOP	113	97	78	0
WB-310-BOT	95	97	67	0
WB-310-BOTMS	103	100	69	0
WB-310-BOTMSD	104	100	70	0
PB165188BL	127	116	114	0
PB165188BS	110	101	94	0
PB165188BSD	110	101	94	0

QC LIMITS

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

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



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SOIL EPH SURROGATE RECOVERY

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

QC LIMITS

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

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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** P4892 **SAS No :** P4892 **SDG No:** P4892
Sample No : P4892-02MS **Datafile:** FC067855.D
Client ID : WB-310-BOTMS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	11.6	0	8.97	77		(40-140)
Aliphatic C12-C16	7.7	0	8.25	106		(40-140)
Aliphatic C16-C21	11.6	0	13.1	112		(40-140)
Aliphatic C21-C28	15.5	0	17.1	110		(40-140)
Aliphatic C28-C40	23.2	0	28.6	123		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** P4892 **SAS No :** P4892 **SDG No:** P4892
Sample No : P4892-02MSD **Datafile:** FC067856.D
Client ID : WB-310-BOTMSD

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	11.6	0	8.67	75		3.29 (40-140) 25
Aliphatic C12-C16	7.7	0	7.99	103		2.87 (40-140) 25
Aliphatic C16-C21	11.6	0	13.0	112		0 (40-140) 25
Aliphatic C21-C28	15.5	0	17.0	109		0.91 (40-140) 25
Aliphatic C28-C40	23.2	0	28.8	124		0.81 (40-140) 25

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** P4892 **SAS No :** P4892 **SDG No:** P4892
Sample No : P4892-02MS **Datafile:** FD048806.D
Client ID : WB-310-BOTMS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	7.7	0	6.44	83		(40-140)
Aromatic C12-C16	11.6	0	12.3	106		(40-140)
Aromatic C16-C21	19.3	0	25.0	129		(40-140)
Aromatic C21-C36	30.9	0	42.2	136		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** P4892 **SAS No :** P4892 **SDG No:** P4892
Sample No : P4892-02MSD **Datafile:** FD048807.D
Client ID : WB-310-BOTMSD

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	7.7	0	6.56	85		1.9 (40-140)	25
Aromatic C12-C16	11.6	0	12.5	107		0.94 (40-140)	25
Aromatic C16-C21	19.3	0	25.3	130		0.77 (40-140)	25
Aromatic C21-C36	30.9	0	42.6	137		0.73 (40-140)	25

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** P4892 **SAS No :** P4892 **SDG No:** P4892
Sample No : PB165151BS **Datafile:** FC067841.D
Client ID : PB165151BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aliphatic C9-C12	300	164	55		(40-140)
Aliphatic C12-C16	200	143	72		(40-140)
Aliphatic C16-C21	300	241	80		(40-140)
Aliphatic C21-C28	400	325	81		(40-140)
Aliphatic C28-C40	600	554	92		(40-140)

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** P4892 **SAS No :** P4892 **SDG No:** P4892
Sample No : PB165151BSD **Datafile:** FC067842.D
Client ID : PB165151BSD

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	300	167	56		1.8 (40-140)	50
Aliphatic C12-C16	200	145	72		1.4 (40-140)	50
Aliphatic C16-C21	300	240	80		0.374 (40-140)	50
Aliphatic C21-C28	400	322	80		0.866 (40-140)	50
Aliphatic C28-C40	600	552	92		0.326 (40-140)	50

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** P4892 **SAS No :** P4892 **SDG No:** P4892
Sample No : PB165188BS **Datafile:** FC067850.D
Client ID : PB165188BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10.0	5.81	58		(40-140)
Aliphatic C12-C16	6.7	5.08	76		(40-140)
Aliphatic C16-C21	10.0	8.29	83		(40-140)
Aliphatic C21-C28	13.3	11.0	82		(40-140)
Aliphatic C28-C40	20.0	18.4	92		(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:** P4892 **SAS No :** P4892 **SDG No:** P4892
Sample No : PB165188BSD **Datafile:** FC067851.D
Client ID : PB165188BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	5.82	58		0.23 (40-140)	50
Aliphatic C12-C16	6.7	5.05	76		0.526 (40-140)	50
Aliphatic C16-C21	10	8.21	82		0.903 (40-140)	50
Aliphatic C21-C28	13.3	10.9	82		0.847 (40-140)	50
Aliphatic C28-C40	20.0	18.4	92		0.06 (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:** P4892 **SAS No :** P4892 **SDG No:** P4892
Sample No : PB165151BS **Datafile:** FD048792.D
Client ID : PB165151BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aromatic C10-C12	200	179	90		(40-140)
Aromatic C12-C16	300	321	107		(40-140)
Aromatic C16-C21	500	593	118		(40-140)
Aromatic C21-C36	800	940	117		(40-140)

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** P4892 **SAS No :** P4892 **SDG No:** P4892
Sample No : PB165151BSD **Datafile:** FD048793.D
Client ID : PB165151BSD

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	200	177	88		1.1 (40-140)	50
Aromatic C12-C16	300	317	105		1.3 (40-140)	50
Aromatic C16-C21	500	590	118		0 (40-140)	50
Aromatic C21-C36	800	940	117		0.42 (40-140)	50

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** P4892 **SAS No :** P4892 **SDG No:** P4892
Sample No : PB165188BS **Datafile:** FD048801.D
Client ID : PB165188BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	6.13	92		(40-140)
Aromatic C12-C16	10.0	11.0	110		(40-140)
Aromatic C16-C21	16.7	20.2	121		(40-140)
Aromatic C21-C36	26.7	31.6	118		(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:** P4892 **SAS No :** P4892 **SDG No:** P4892
Sample No : PB165188BSD **Datafile:** FD048802.D
Client ID : PB165188BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	6.10	92		0.478 (40-140)	50
Aromatic C12-C16	10	10.9	109		0.847 (40-140)	50
Aromatic C16-C21	16.7	20.0	120		0.763 (40-140)	50
Aromatic C21-C36	26.6	31.4	117		0.145 (40-140)	50

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165151BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P4892

SAS No.: P4892 SDG NO.: P4892

Instrument ID: FID_C

Lab Sample ID: PB165151BL

Matrix: (soil/water) Water

Date Extracted: 11/20/2024 8:28:00

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB165151BS	PB165151BS
PB165151BSD	PB165151BSD
WB-310-SW	P4892-04

COMMENTS: _____

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165188BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P4892

SAS No.: P4892 SDG NO.: P4892

Instrument ID: FID_C

Lab Sample ID: PB165188BL

Matrix: (soil/water) Solid

Date Extracted: 11/21/2024 8:35:00

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB165188BS	PB165188BS
PB165188BSD	PB165188BSD
WB-310-BOTMS	P4892-02MS
WB-310-BOTMSD	P4892-02MSD
WB-310-TOP	P4892-01
WB-310-BOT	P4892-02

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165151BL	SDG No.:	P4892
Lab Sample ID:	PB165151BL	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
11/20/24 08:28	11/21/24 11:16	PB165151

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.76	U	1	5.76	30.0	ug/l	FC067840.D
Aliphatic C12-C16	Aliphatic C12-C16	3.61	U	1	3.61	20.0	ug/l	FC067840.D
Aliphatic C16-C21	Aliphatic C16-C21	5.14	U	1	5.14	30.0	ug/l	FC067840.D
Aliphatic C21-C28	Aliphatic C21-C28	8.97	U	1	8.97	40.0	ug/l	FC067840.D
Aliphatic C28-C40	Aliphatic C28-C40	17.0	U	1	17.0	60.0	ug/l	FC067840.D
Aromatic C10-C12	Aromatic C10-C12	3.32	U	1	3.32	20.0	ug/l	FD048791.D
Aromatic C12-C16	Aromatic C12-C16	3.69	U	1	3.69	30.0	ug/l	FD048791.D
Aromatic C16-C21	Aromatic C16-C21	12.7	U	1	12.7	50.0	ug/l	FD048791.D
Aromatic C21-C36	Aromatic C21-C36	25.2	U	1	25.2	80.0	ug/l	FD048791.D
Total AliphaticEPH	Total AliphaticEPH	40.5	U		40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	44.9	U		44.9	180	ug/l	
Total EPH	Total EPH	85.4	U		85.4	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 2024	Date Received:	
Client Sample ID:	PB165151BL	SDG No.:	P4892
Lab Sample ID:	PB165151BL	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:		Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067840.D	1	11/20/24	11/21/24	PB165151

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.76	U	5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	3.61	U	3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	5.14	U	5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	8.97	U	8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	17.0	U	17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.1		40 - 140	70%	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:	PB165151BL	Acq On:	21 Nov 2024 11:16
Client Sample ID:	PB165151BL	Operator:	YP/AJ
Data file:	FC067840.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	3.186	6.463	0	0	300	ug/ml
Aliphatic C12-C16	6.464	9.851	0	0	200	ug/ml
Aliphatic C16-C21	9.852	13.208	0	0	300	ug/ml
Aliphatic C21-C28	13.209	16.863	0	0	400	ug/ml
Aliphatic C28-C40	16.864	21.710	0	0	600	ug/ml
Aliphatic EPH	3.186	21.710	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.942	12.942	5095095	35.1		ug/ml
Aliphatic C9-C28	3.186	16.863	0	0	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165151BL	SDG No.:	P4892
Lab Sample ID:	PB165151BL	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
FD048791.D	1	11/20/24	11/21/24	PB165151

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.32	U	3.32	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	3.69	U	3.69	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	12.7	U	12.7	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	25.2	U	25.2	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	64.1		40 - 140	128%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	58.7		40 - 140	117%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	58.4		40 - 140	117%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB165151BL	Acq On:	21 Nov 2024 11:16
Client Sample ID:	PB165151BL	Operator:	YP/AJ
Data file:	FD048791.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	4.088	5.805	0	0	200	ug/ml
Aromatic C12-C16	5.806	8.411	0	0	300	ug/ml
Aromatic C16-C21	8.412	12.676	0	0	500	ug/ml
Aromatic C21-C36	12.677	18.084	0	0	800	ug/ml
Aromatic EPH	4.088	18.084	0	0		ug/ml
ortho-Terphenyl (SURR)	11.256	11.256	11233199	58.4		ug/ml
2-Bromonaphthalene (SURR)	7.368	7.368	11279380	64.07		ug/ml
2-Flurobiphenyl (SURR)	8.217	8.217	6755816	58.66		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165188BL	SDG No.:	P4892
Lab Sample ID:	PB165188BL	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
11/21/24 08:35	11/22/24 10:55	PB165188

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.38	U	1	0.38	1.00	mg/kg	FC067849.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FC067849.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FC067849.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FC067849.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC067849.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FD048800.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FD048800.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FD048800.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.66	mg/kg	FD048800.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.60	U		3.60	6.00	mg/kg	
Total EPH	Total EPH	7.12	U		7.12	12.0	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165188BL	SDG No.:	P4892
Lab Sample ID:	PB165188BL	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
FC067849.D	1	11/21/24	11/22/24	PB165188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.38	U	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.3		40 - 140	71%	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:	PB165188BL	Acq On:	22 Nov 2024 10:55
Client Sample ID:	PB165188BL	Operator:	YP/AJ
Data file:	FC067849.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	3.186	6.463	0	0	300	ug/ml
Aliphatic C12-C16	6.464	9.851	0	0	200	ug/ml
Aliphatic C16-C21	9.852	13.208	0	0	300	ug/ml
Aliphatic C21-C28	13.209	16.863	0	0	400	ug/ml
Aliphatic C28-C40	16.864	21.709	0	0	600	ug/ml
Aliphatic EPH	3.186	21.709	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.942	12.942	5125398	35.31		ug/ml
Aliphatic C9-C28	3.186	16.863	0	0	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165188BL	SDG No.:	P4892
Lab Sample ID:	PB165188BL	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
FD048800.D	1	11/21/24	11/22/24	PB165188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.30	U	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.34	U	0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.96	U	0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.00	U	2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	63.5		40 - 140	127%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	57.9		40 - 140	116%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	57.3		40 - 140	114%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB165188BL	Acq On:	22 Nov 2024 10:55
Client Sample ID:	PB165188BL	Operator:	YP/AJ
Data file:	FD048800.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	4.088	5.804	0	0	200	ug/ml
Aromatic C12-C16	5.805	8.412	0	0	300	ug/ml
Aromatic C16-C21	8.413	12.677	0	0	500	ug/ml
Aromatic C21-C36	12.678	18.087	0	0	800	ug/ml
Aromatic EPH	4.088	18.087	0	0		ug/ml
2-Bromonaphthalene (SURR)	7.368	7.368	11176340	63.48		ug/ml
2-Flurobiphenyl (SURR)	8.217	8.217	6668678	57.9		ug/ml
ortho-Terphenyl (SURR)	11.257	11.257	11010543	57.25		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165151BS	SDG No.:	P4892
Lab Sample ID:	PB165151BS	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
11/20/24 08:28	11/21/24 11:53	PB165151

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	164		1	5.76	30.0	ug/l	FC067841.D
Aliphatic C12-C16	Aliphatic C12-C16	143		1	3.61	20.0	ug/l	FC067841.D
Aliphatic C16-C21	Aliphatic C16-C21	241		1	5.14	30.0	ug/l	FC067841.D
Aliphatic C21-C28	Aliphatic C21-C28	325		1	8.97	40.0	ug/l	FC067841.D
Aliphatic C28-C40	Aliphatic C28-C40	554		1	17.0	60.0	ug/l	FC067841.D
Aromatic C10-C12	Aromatic C10-C12	179		1	3.32	20.0	ug/l	FD048792.D
Aromatic C12-C16	Aromatic C12-C16	321		1	3.69	30.0	ug/l	FD048792.D
Aromatic C16-C21	Aromatic C16-C21	593		1	12.7	50.0	ug/l	FD048792.D
Aromatic C21-C36	Aromatic C21-C36	940		1	25.2	80.0	ug/l	FD048792.D
Total AliphaticEPH	Total AliphaticEPH	1430			40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	2030			44.9	180	ug/l	
Total EPH	Total EPH	3460			85.4	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 2024	Date Received:	
Client Sample ID:	PB165151BS	SDG No.:	P4892
Lab Sample ID:	PB165151BS	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
FC067841.D	1	11/20/24	11/21/24	PB165151

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	164		5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	143		3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	241		5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	325		8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	554		17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.6		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB165151BS	Acq On:	21 Nov 2024 11:53
Client Sample ID:	PB165151BS	Operator:	YP/AJ
Data file:	FC067841.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	3.186	6.463	13605740	82.065	300	ug/ml
Aliphatic C12-C16	6.464	9.851	12253693	71.918	200	ug/ml
Aliphatic C16-C21	9.852	13.208	20492969	120.816	300	ug/ml
Aliphatic C21-C28	13.209	16.863	25564138	162.539	400	ug/ml
Aliphatic C28-C40	16.864	21.710	33584861	277.306	600	ug/ml
Aliphatic EPH	3.186	21.710	105501401	714.644		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.942	12.942	5017940	34.57		ug/ml
Aliphatic C9-C28	3.186	16.863	71916540	437.338	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165151BS	SDG No.:	P4892
Lab Sample ID:	PB165151BS	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
FD048792.D	1	11/20/24	11/21/24	PB165151

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	179		3.32	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	321		3.69	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	593		12.7	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	940		25.2	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	53.8		40 - 140	108%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	49.2		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.3		40 - 140	93%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB165151BS	Acq On:	21 Nov 2024 11:53
Client Sample ID:	PB165151BS	Operator:	YP/AJ
Data file:	FD048792.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	4.088	5.805	17280734	89.996	200	ug/ml
Aromatic C12-C16	5.806	8.411	30912587	160.619	300	ug/ml
Aromatic C16-C21	8.412	12.676	55125540	296.685	500	ug/ml
Aromatic C21-C36	12.677	18.084	73969656	470.452	800	ug/ml
Aromatic EPH	4.088	18.084	177288517	1020		ug/ml
ortho-Terphenyl (SURR)	11.255	11.255	8905805	46.3		ug/ml
2-Bromonaphthalene (SURR)	7.367	7.367	9475305	53.82		ug/ml
2-Flurobiphenyl (SURR)	8.217	8.217	5662551	49.17		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165188BS	SDG No.:	P4892
Lab Sample ID:	PB165188BS	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
11/21/24 08:35	11/22/24 11:32	PB165188

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.81		1	0.38	1.00	mg/kg	FC067850.D
Aliphatic C12-C16	Aliphatic C12-C16	5.08		1	0.24	0.67	mg/kg	FC067850.D
Aliphatic C16-C21	Aliphatic C16-C21	8.29		1	0.30	1.00	mg/kg	FC067850.D
Aliphatic C21-C28	Aliphatic C21-C28	11.0		1	0.80	1.33	mg/kg	FC067850.D
Aliphatic C28-C40	Aliphatic C28-C40	18.4		1	1.80	2.00	mg/kg	FC067850.D
Aromatic C10-C12	Aromatic C10-C12	6.13		1	0.30	0.67	mg/kg	FD048801.D
Aromatic C12-C16	Aromatic C12-C16	11.0		1	0.34	1.00	mg/kg	FD048801.D
Aromatic C16-C21	Aromatic C16-C21	20.2		1	0.96	1.67	mg/kg	FD048801.D
Aromatic C21-C36	Aromatic C21-C36	31.6		1	2.00	2.67	mg/kg	FD048801.D
Total AliphaticEPH	Total AliphaticEPH	48.6			3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	68.9			3.60	6.01	mg/kg	
Total EPH	Total EPH	118			7.12	12.0	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165188BS	SDG No.:	P4892
Lab Sample ID:	PB165188BS	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
FC067850.D	1	11/21/24	11/22/24	PB165188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.81		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.08		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.29		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.0		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.4		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.2		40 - 140	70%	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:	PB165188BS	Acq On:	22 Nov 2024 11:32
Client Sample ID:	PB165188BS	Operator:	YP/AJ
Data file:	FC067850.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	3.186	6.463	14449636	87.156	300	ug/ml
Aliphatic C12-C16	6.464	9.851	12995112	76.269	200	ug/ml
Aliphatic C16-C21	9.852	13.208	21106424	124.432	300	ug/ml
Aliphatic C21-C28	13.209	16.863	25843525	164.315	400	ug/ml
Aliphatic C28-C40	16.864	21.709	33411170	275.872	600	ug/ml
Aliphatic EPH	3.186	21.709	107805867	728.044		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.943	12.943	5112489	35.22		ug/ml
Aliphatic C9-C28	3.186	16.863	74394697	452.172	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165188BS	SDG No.:	P4892
Lab Sample ID:	PB165188BS	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
FD048801.D	1	11/21/24	11/22/24	PB165188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.13		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	11.0		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	20.2		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	31.6		2.00	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.0		40 - 140	110%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	50.5		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.1		40 - 140	94%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB165188BS	Acq On:	22 Nov 2024 11:32
Client Sample ID:	PB165188BS	Operator:	YP/AJ
Data file:	FD048801.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	4.088	5.804	17664848	91.996	200	ug/ml
Aromatic C12-C16	5.805	8.412	31634420	164.37	300	ug/ml
Aromatic C16-C21	8.413	12.677	56222020	302.586	500	ug/ml
Aromatic C21-C36	12.678	18.087	74661694	474.853	800	ug/ml
Aromatic EPH	4.088	18.087	180182982	1030		ug/ml
ortho-Terphenyl (SURR)	11.255	11.255	9064758	47.13		ug/ml
2-Bromonaphthalene (SURR)	7.368	7.368	9688397	55.03		ug/ml
2-Flurobiphenyl (SURR)	8.218	8.218	5811070	50.46		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165151BSD	SDG No.:	P4892
Lab Sample ID:	PB165151BSD	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
11/20/24 08:28	11/21/24 12:31	PB165151

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	167		1	5.76	30.0	ug/l	FC067842.D
Aliphatic C12-C16	Aliphatic C12-C16	145		1	3.61	20.0	ug/l	FC067842.D
Aliphatic C16-C21	Aliphatic C16-C21	240		1	5.14	30.0	ug/l	FC067842.D
Aliphatic C21-C28	Aliphatic C21-C28	322		1	8.97	40.0	ug/l	FC067842.D
Aliphatic C28-C40	Aliphatic C28-C40	552		1	17.0	60.0	ug/l	FC067842.D
Aromatic C10-C12	Aromatic C10-C12	177		1	3.32	20.0	ug/l	FD048793.D
Aromatic C12-C16	Aromatic C12-C16	317		1	3.69	30.0	ug/l	FD048793.D
Aromatic C16-C21	Aromatic C16-C21	590		1	12.7	50.0	ug/l	FD048793.D
Aromatic C21-C36	Aromatic C21-C36	940		1	25.2	80.0	ug/l	FD048793.D
Total AliphaticEPH	Total AliphaticEPH	1430			40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	2020			44.9	180	ug/l	
Total EPH	Total EPH	3450			85.4	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 2024	Date Received:	
Client Sample ID:	PB165151BSD	SDG No.:	P4892
Lab Sample ID:	PB165151BSD	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:		Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067842.D	1	11/20/24	11/21/24	PB165151

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	167		5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	145		3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	240		5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	322		8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	552		17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.0		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB165151BSD	Acq On:	21 Nov 2024 12:31
Client Sample ID:	PB165151BSD	Operator:	YP/AJ
Data file:	FC067842.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	3.186	6.463	13901203	83.848	300	ug/ml
Aliphatic C12-C16	6.464	9.851	12430199	72.954	200	ug/ml
Aliphatic C16-C21	9.852	13.208	20427343	120.429	300	ug/ml
Aliphatic C21-C28	13.209	16.863	25341854	161.126	400	ug/ml
Aliphatic C28-C40	16.864	21.710	33437492	276.089	600	ug/ml
Aliphatic EPH	3.186	21.710	105538091	714.445		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.942	12.942	5218311	35.95		ug/ml
Aliphatic C9-C28	3.186	16.863	72100599	438.357	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165151BSD	SDG No.:	P4892
Lab Sample ID:	PB165151BSD	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
FD048793.D	1	11/20/24	11/21/24	PB165151

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	177		3.32	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	317		3.69	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	590		12.7	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	940		25.2	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	53.2		40 - 140	106%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	48.9		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.9		40 - 140	92%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB165151BSD	Acq On:	21 Nov 2024 12:31
Client Sample ID:	PB165151BSD	Operator:	YP/AJ
Data file:	FD048793.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	4.088	5.805	17051877	88.804	200	ug/ml
Aromatic C12-C16	5.806	8.411	30575369	158.867	300	ug/ml
Aromatic C16-C21	8.412	12.676	54834754	295.12	500	ug/ml
Aromatic C21-C36	12.677	18.084	73945056	470.295	800	ug/ml
Aromatic EPH	4.088	18.084	176407056	1010		ug/ml
ortho-Terphenyl (SURR)	11.255	11.255	8834245	45.93		ug/ml
2-Bromonaphthalene (SURR)	7.367	7.367	9369413	53.22		ug/ml
2-Flurobiphenyl (SURR)	8.218	8.218	5631657	48.9		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165188BSD	SDG No.:	P4892
Lab Sample ID:	PB165188BSD	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
11/21/24 08:35	11/22/24 12:08	PB165188

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.82		1	0.38	1.00	mg/kg	FC067851.D
Aliphatic C12-C16	Aliphatic C12-C16	5.05		1	0.24	0.67	mg/kg	FC067851.D
Aliphatic C16-C21	Aliphatic C16-C21	8.21		1	0.30	1.00	mg/kg	FC067851.D
Aliphatic C21-C28	Aliphatic C21-C28	10.9		1	0.80	1.33	mg/kg	FC067851.D
Aliphatic C28-C40	Aliphatic C28-C40	18.4		1	1.80	2.00	mg/kg	FC067851.D
Aromatic C10-C12	Aromatic C10-C12	6.10		1	0.30	0.67	mg/kg	FD048802.D
Aromatic C12-C16	Aromatic C12-C16	10.9		1	0.34	1.00	mg/kg	FD048802.D
Aromatic C16-C21	Aromatic C16-C21	20.0		1	0.96	1.67	mg/kg	FD048802.D
Aromatic C21-C36	Aromatic C21-C36	31.4		1	2.00	2.66	mg/kg	FD048802.D
Total AliphaticEPH	Total AliphaticEPH	48.4			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	68.4			3.60	6.00	mg/kg	
Total EPH	Total EPH	117			7.12	12.0	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165188BSD	SDG No.:	P4892
Lab Sample ID:	PB165188BSD	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
FC067851.D	1	11/21/24	11/22/24	PB165188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.82		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.05		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.21		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.9		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.4		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.6		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB165188BSD	Acq On:	22 Nov 2024 12:08
Client Sample ID:	PB165188BSD	Operator:	YP/AJ
Data file:	FC067851.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	3.186	6.463	14471883	87.29	300	ug/ml
Aliphatic C12-C16	6.464	9.851	12904941	75.74	200	ug/ml
Aliphatic C16-C21	9.852	13.208	20910441	123.277	300	ug/ml
Aliphatic C21-C28	13.209	16.863	25708219	163.455	400	ug/ml
Aliphatic C28-C40	16.864	21.709	33372275	275.55	600	ug/ml
Aliphatic EPH	3.186	21.709	107367759	725.312		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.942	12.942	5313708	36.61		ug/ml
Aliphatic C9-C28	3.186	16.863	73995484	449.762	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165188BSD	SDG No.:	P4892
Lab Sample ID:	PB165188BSD	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
FD048802.D	1	11/21/24	11/22/24	PB165188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.10		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	10.9		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	20.0		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	31.4		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.8		40 - 140	110%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	50.3		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.9		40 - 140	94%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB165188BSD	Acq On:	22 Nov 2024 12:08
Client Sample ID:	PB165188BSD	Operator:	YP/AJ
Data file:	FD048802.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	4.088	5.804	17591283	91.613	200	ug/ml
Aromatic C12-C16	5.805	8.412	31455224	163.439	300	ug/ml
Aromatic C16-C21	8.413	12.677	55908625	300.9	500	ug/ml
Aromatic C21-C36	12.678	18.087	74143343	471.557	800	ug/ml
Aromatic EPH	4.088	18.087	179098475	1030		ug/ml
ortho-Terphenyl (SURR)	11.255	11.255	9024478	46.92		ug/ml
2-Bromonaphthalene (SURR)	7.368	7.368	9645156	54.78		ug/ml
2-Flurobiphenyl (SURR)	8.218	8.218	5788509	50.26		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-310-BOTMS	SDG No.:	P4892
Lab Sample ID:	P4892-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
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
11/21/24 08:35	11/22/24 14:33	PB165188

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.97		1	0.44	1.16	mg/kg	FC067855.D
Aliphatic C12-C16	Aliphatic C12-C16	8.25		1	0.28	0.77	mg/kg	FC067855.D
Aliphatic C16-C21	Aliphatic C16-C21	13.1		1	0.35	1.16	mg/kg	FC067855.D
Aliphatic C21-C28	Aliphatic C21-C28	17.1		1	0.93	1.55	mg/kg	FC067855.D
Aliphatic C28-C40	Aliphatic C28-C40	28.6		1	2.09	2.32	mg/kg	FC067855.D
Aromatic C10-C12	Aromatic C10-C12	6.44		1	0.35	0.77	mg/kg	FD048806.D
Aromatic C12-C16	Aromatic C12-C16	12.3		1	0.39	1.16	mg/kg	FD048806.D
Aromatic C16-C21	Aromatic C16-C21	25.0		1	1.11	1.93	mg/kg	FD048806.D
Aromatic C21-C36	Aromatic C21-C36	42.2		1	2.32	3.09	mg/kg	FD048806.D
Total AliphaticEPH	Total AliphaticEPH	76.0			4.08	6.96	mg/kg	
Total AromaticEPH	Total AromaticEPH	85.9			4.17	6.95	mg/kg	
Total EPH	Total EPH	162			8.26	13.9	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-310-BOTMS	SDG No.:	P4892
Lab Sample ID:	P4892-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
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
FC067855.D	1	11/21/24	11/22/24	PB165188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.97		0.44	1.16	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	8.25		0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	13.1		0.35	1.16	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	17.1		0.93	1.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.6		2.09	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.6		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4892-02MS	Acq On:	22 Nov 2024 14:33
Client Sample ID:	WB-310-BOTMS	Operator:	YP/AJ
Data file:	FC067855.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.186	6.463	19220887	115.934	300	ug/ml
Aliphatic C12-C16	6.464	9.851	18171701	106.651	200	ug/ml
Aliphatic C16-C21	9.852	13.208	28821426	169.916	300	ug/ml
Aliphatic C21-C28	13.209	16.863	34699780	220.624	400	ug/ml
Aliphatic C28-C40	16.864	21.709	44732596	369.351	600	ug/ml
Aliphatic EPH	3.186	21.709	145646390	982.477		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.942	12.942	5309462	36.58		ug/ml
Aliphatic C9-C28	3.186	16.863	100913794	613.125	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-310-BOTMS	SDG No.:	P4892
Lab Sample ID:	P4892-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
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
FD048806.D	1	11/21/24	11/22/24	PB165188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.44		0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	12.3		0.39	1.16	mg/kg
Aromatic C16-C21	Aromatic C16-C21	25.0		1.11	1.93	mg/kg
Aromatic C21-C36	Aromatic C21-C36	42.2		2.32	3.09	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.3		40 - 140	103%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	50.2		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.6		40 - 140	69%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4892-02MS	Acq On:	22 Nov 2024 14:33
Client Sample ID:	WB-310-BOTMS	Operator:	YP/AJ
Data file:	FD048806.D	Misc:	
Instrument:	FID_D	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.088	5.804	15991450	83.281	200	ug/ml
Aromatic C12-C16	5.805	8.412	30568391	158.831	300	ug/ml
Aromatic C16-C21	8.413	12.677	59987722	322.853	500	ug/ml
Aromatic C21-C36	12.678	18.087	85719133	545.179	800	ug/ml
Aromatic EPH	4.088	18.087	192266696	1110		ug/ml
2-Bromonaphthalene (SURRE)	7.367	7.367	9037965	51.33		ug/ml
2-Fluorobiphenyl (SURRE)	8.218	8.218	5777283	50.16		ug/ml
ortho-Terphenyl (SURRE)	11.253	11.253	6648422	34.57		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-310-BOTMSD	SDG No.:	P4892
Lab Sample ID:	P4892-02MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
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
11/21/24 08:35	11/22/24 15:09	PB165188

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	8.67		1	0.44	1.16	mg/kg FC067856.D
Aliphatic C12-C16	Aliphatic C12-C16	7.99		1	0.28	0.77	mg/kg FC067856.D
Aliphatic C16-C21	Aliphatic C16-C21	13.0		1	0.35	1.16	mg/kg FC067856.D
Aliphatic C21-C28	Aliphatic C21-C28	17.0		1	0.93	1.55	mg/kg FC067856.D
Aliphatic C28-C40	Aliphatic C28-C40	28.8		1	2.09	2.32	mg/kg FC067856.D
Aromatic C10-C12	Aromatic C10-C12	6.56		1	0.35	0.77	mg/kg FD048807.D
Aromatic C12-C16	Aromatic C12-C16	12.5		1	0.39	1.16	mg/kg FD048807.D
Aromatic C16-C21	Aromatic C16-C21	25.3		1	1.11	1.93	mg/kg FD048807.D
Aromatic C21-C36	Aromatic C21-C36	42.6		1	2.32	3.09	mg/kg FD048807.D
Total AliphaticEPH	Total AliphaticEPH	75.5			4.08	6.96	mg/kg
Total AromaticEPH	Total AromaticEPH	87.0			4.17	6.95	mg/kg
Total EPH	Total EPH	162			8.26	13.9	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-310-BOTMSD	SDG No.:	P4892
Lab Sample ID:	P4892-02MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
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
FC067856.D	1	11/21/24	11/22/24	PB165188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.67		0.44	1.16	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.99		0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	13.0		0.35	1.16	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	17.0		0.93	1.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.8		2.09	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.3		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4892-02MSD	Acq On:	22 Nov 2024 15:09
Client Sample ID:	WB-310-BOTMSD	Operator:	YP/AJ
Data file:	FC067856.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.186	6.463	18609491	112.246	300	ug/ml
Aliphatic C12-C16	6.464	9.851	17617271	103.397	200	ug/ml
Aliphatic C16-C21	9.852	13.208	28482666	167.919	300	ug/ml
Aliphatic C21-C28	13.209	16.863	34609133	220.048	400	ug/ml
Aliphatic C28-C40	16.864	21.709	45078028	372.203	600	ug/ml
Aliphatic EPH	3.186	21.709	144396589	975.814		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.943	12.943	5268352	36.29		ug/ml
Aliphatic C9-C28	3.186	16.863	99318561	603.61	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-310-BOTMSD	SDG No.:	P4892
Lab Sample ID:	P4892-02MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
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
FD048807.D	1	11/21/24	11/22/24	PB165188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.56		0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	12.5		0.39	1.16	mg/kg
Aromatic C16-C21	Aromatic C16-C21	25.3		1.11	1.93	mg/kg
Aromatic C21-C36	Aromatic C21-C36	42.6		2.32	3.09	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.2		40 - 140	104%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	50.1		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.1		40 - 140	70%	SPK: 50



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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4892-02MSD	Acq On:	22 Nov 2024 15:09
Client Sample ID:	WB-310-BOTMSD	Operator:	YP/AJ
Data file:	FD048807.D	Misc:	
Instrument:	FID_D	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.088	5.804	16307997	84.93	200	ug/ml
Aromatic C12-C16	5.805	8.412	31144005	161.822	300	ug/ml
Aromatic C16-C21	8.413	12.677	60816110	327.312	500	ug/ml
Aromatic C21-C36	12.678	18.087	86707849	551.468	800	ug/ml
Aromatic EPH	4.088	18.087	194975961	1130		ug/ml
2-Bromonaphthalene (SURRE)	7.367	7.367	9192847	52.21		ug/ml
2-Fluorobiphenyl (SURRE)	8.218	8.218	5776105	50.15		ug/ml
ortho-Terphenyl (SURRE)	11.254	11.254	6752416	35.11		ug/ml



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC111424AL

AreaCount

Parameter Range	FC067748.D	FC067749.D	FC067750.D	FC067751.D	FC067752.D	
Aliphatic C9-C12	46442029.000	24666595.000	9992394.000	5182647.000	2556169.000	
Aliphatic C12-C16	31783530.000	16951541.000	6841286.000	3561240.000	1743949.000	
Aliphatic C16-C21	45893154.000	24733385.000	10219387.000	5444223.000	2676662.000	
Aliphatic C21-C28	55776518.000	29828483.000	12486021.000	6692087.000	3488783.000	
Aliphatic C28-C40	63293952.000	33876340.000	14624061.000	7555903.000	4180402.000	
Aliphatic EPH	243189183.000	130056344.000	54163149.000	28436100.000	14645965.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	165791.359333	4.188				
Aliphatic C12-C16	170384.422	4.229				
Aliphatic C16-C21	169621.5526664	6.711				
Aliphatic C21-C28	157280.0595	8.883				
Aliphatic C28-C40	121111.3356664	10.666				
Aliphatic EPH	150155.3239994	7.279				

Concentration

Parameter Range	FC067748.D	FC067749.D	FC067750.D	FC067751.D	FC067752.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	FC067748.D	FC067749.D	FC067750.D	FC067751.D	FC067752.D	
Aliphatic C9-C12	154806.763333	164443.966666	166539.900000	172754.900000	170411.266666	
Aliphatic C12-C16	158917.650000	169515.410000	171032.150000	178062.000000	174394.900000	
Aliphatic C16-C21	152977.180000	164889.233333	170323.116666	181474.100000	178444.133333	

Initial Calibration Report for SequenceID : FC111424AL

Aliphatic C21-C28	139441.295000	149142.415000	156075.262500	167302.175000	174439.150000	
Aliphatic C28-C40	105489.920000	112921.133333	121867.175000	125931.716666	139346.733333	
Aliphatic EPH	135105.101666	144507.048888	150453.191666	157978.333333	162732.944444	

Initial Calibration Report for SequenceID : FD111424AR

AreaCount

Parameter Range	FD048729.D	FD048730.D	FD048731.D	FD048732.D	FD048733.D	
Aromatic C10-C12	35969884.000	18267930.000	7601024.000	4048482.000	2051093.000	
Aromatic C12-C16	53799266.000	27329767.000	11363305.000	6130468.000	3105423.000	
Aromatic C16-C21	68956735.000	35122486.000	14626807.000	7814027.000	4056681.000	
Aromatic C21-C36	129641639.000	66976017.000	28128596.000	14930708.000	7699801.000	
Aromatic EPH	288367524.000	147696200.000	61719732.000	32923685.000	16912998.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	192017.544	5.932				
Aromatic C12-C16	192458.9766662	6.576				
Aromatic C16-C21	185804.816	6.985				
Aromatic C21-C36	157231.0562216	7.202				
Aromatic EPH	173317.2659998	6.861				

Concentration

Parameter Range	FD048729.D	FD048730.D	FD048731.D	FD048732.D	FD048733.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	FD048729.D	FD048730.D	FD048731.D	FD048732.D	FD048733.D	
Aromatic C10-C12	179849.420000	182679.300000	190025.600000	202424.100000	205109.300000	
Aromatic C12-C16	179330.886666	182198.446666	189388.416666	204348.933333	207028.200000	
Aromatic C16-C21	172391.837500	175612.430000	182835.087500	195350.675000	202834.050000	
Aromatic C21-C36	144046.265555	148835.593333	156269.977777	165896.755555	171106.688888	
Aromatic EPH	160204.180000	164106.888888	171443.700000	182909.361111	187922.200000	

Continuing Calibration Report for SequenceID : FC112124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC067839.D

Aliphatic C9-C12	9594932.000	60.000	3.186	6.463	159915.533	165791.359	3.544
Aliphatic C12-C16	6660895.000	40.000	6.464	9.851	166522.375	170384.422	2.267
Aliphatic C16-C21	9836167.000	60.000	9.852	13.208	163936.117	169621.553	3.352
Aliphatic C21-C28	12842540.000	80.000	13.209	16.863	160531.750	157280.060	-2.067
Aliphatic C28-C40	15281804.000	120.000	16.864	21.710	127348.367	121111.336	-5.150
Aliphatic EPH	54216338.000	360.000	3.186	21.710	150600.939	150155.324	-0.297

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	21 Nov 2024 10:39
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067839.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.186	6.463	9594932.000	60.000	ug/ml
Aliphatic C12-C16	6.464	9.851	6660895.000	40.000	ug/ml
Aliphatic C16-C21	9.852	13.208	9836167.000	60.000	ug/ml
Aliphatic C21-C28	13.209	16.863	12842540.000	80.000	ug/ml
Aliphatic C28-C40	16.864	21.710	15281804.000	120.000	ug/ml
Aliphatic EPH	3.186	21.710	54216338.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC112124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC067845.D

Aliphatic C9-C12	9334629.000	60.000	3.186	6.463	155577.150	165791.359	6.161
Aliphatic C12-C16	6473028.000	40.000	6.464	9.851	161825.700	170384.422	5.023
Aliphatic C16-C21	9664465.000	60.000	9.852	13.208	161074.417	169621.553	5.039
Aliphatic C21-C28	12821556.000	80.000	13.209	16.863	160269.450	157280.060	-1.901
Aliphatic C28-C40	14816190.000	120.000	16.864	21.710	123468.250	121111.336	-1.946
Aliphatic EPH	53109868.000	360.000	3.186	21.710	147527.411	150155.324	1.750

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	21 Nov 2024 14:23
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067845.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.186	6.463	9334629.000	60.000	ug/ml
Aliphatic C12-C16	6.464	9.851	6473028.000	40.000	ug/ml
Aliphatic C16-C21	9.852	13.208	9664465.000	60.000	ug/ml
Aliphatic C21-C28	13.209	16.863	12821556.000	80.000	ug/ml
Aliphatic C28-C40	16.864	21.710	14816190.000	120.000	ug/ml
Aliphatic EPH	3.186	21.710	53109868.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC112224AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC067848.D

Aliphatic C9-C12	8980746.000	60.000	3.186	6.463	149679.100	165791.359	9.718
Aliphatic C12-C16	6170368.000	40.000	6.464	9.851	154259.200	170384.422	9.464
Aliphatic C16-C21	9033880.000	60.000	9.852	13.208	150564.667	169621.553	11.235
Aliphatic C21-C28	11143774.000	80.000	13.209	16.863	139297.175	157280.060	11.434
Aliphatic C28-C40	14283251.000	120.000	16.864	21.709	119027.092	121111.336	1.721
Aliphatic EPH	49612019.000	360.000	3.186	21.709	137811.164	150155.324	8.221

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	22 Nov 2024 10:19
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067848.D	Misc:	
Instrument:	FID_C	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.186	6.463	8980746.000	60.000	ug/ml
Aliphatic C12-C16	6.464	9.851	6170368.000	40.000	ug/ml
Aliphatic C16-C21	9.852	13.208	9033880.000	60.000	ug/ml
Aliphatic C21-C28	13.209	16.863	11143774.000	80.000	ug/ml
Aliphatic C28-C40	16.864	21.709	14283251.000	120.000	ug/ml
Aliphatic EPH	3.186	21.709	49612019.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC112224AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC067858.D

Aliphatic C9-C12	9413749.000	60.000	3.186	6.463	156895.817	165791.359	5.366
Aliphatic C12-C16	6490872.000	40.000	6.464	9.851	162271.800	170384.422	4.761
Aliphatic C16-C21	9422898.000	60.000	9.852	13.208	157048.300	169621.553	7.413
Aliphatic C21-C28	11509924.000	80.000	13.209	16.863	143874.050	157280.060	8.524
Aliphatic C28-C40	14695989.000	120.000	16.864	21.709	122466.575	121111.336	-1.119
Aliphatic EPH	51533432.000	360.000	3.186	21.709	143148.422	150155.324	4.666

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	22 Nov 2024 16:57
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067858.D	Misc:	
Instrument:	FID_C	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.186	6.463	9413749.000	60.000	ug/ml
Aliphatic C12-C16	6.464	9.851	6490872.000	40.000	ug/ml
Aliphatic C16-C21	9.852	13.208	9422898.000	60.000	ug/ml
Aliphatic C21-C28	13.209	16.863	11509924.000	80.000	ug/ml
Aliphatic C28-C40	16.864	21.709	14695989.000	120.000	ug/ml
Aliphatic EPH	3.186	21.709	51533432.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD112124AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD048790.D

Aromatic C10-C12	8107483.000	40.000	4.088	5.805	202687.075	192017.544	-5.557
Aromatic C12-C16	12127218.000	60.000	5.806	8.411	202120.300	192458.977	-5.020
Aromatic C16-C21	15266390.000	80.000	8.412	12.676	190829.875	185804.816	-2.704
Aromatic C21-C36	29247862.000	180.000	12.677	18.084	162488.122	157231.056	-3.344
Aromatic EPH	64748953.000	360.000	4.088	18.084	179858.203	173317.266	-3.774

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	21 Nov 2024 10:39
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048790.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.088	5.805	8107483.000	40.000	ug/ml
Aromatic C12-C16	5.806	8.411	12127218.000	60.000	ug/ml
Aromatic C16-C21	8.412	12.676	15266390.000	80.000	ug/ml
Aromatic C21-C36	12.677	18.084	29247862.000	180.000	ug/ml
Aromatic EPH	4.088	18.084	64748953.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD112124AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD048796.D

Aromatic C10-C12	7963599.000	40.000	4.088	5.805	199089.975	192017.544	-3.683
Aromatic C12-C16	11946040.000	60.000	5.806	8.411	199100.667	192458.977	-3.451
Aromatic C16-C21	15031877.000	80.000	8.412	12.676	187898.463	185804.816	-1.127
Aromatic C21-C36	29031182.000	180.000	12.677	18.084	161284.344	157231.056	-2.578
Aromatic EPH	63972698.000	360.000	4.088	18.084	177701.939	173317.266	-2.530

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	21 Nov 2024 14:23
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048796.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.088	5.805	7963599.000	40.000	ug/ml
Aromatic C12-C16	5.806	8.411	11946040.000	60.000	ug/ml
Aromatic C16-C21	8.412	12.676	15031877.000	80.000	ug/ml
Aromatic C21-C36	12.677	18.084	29031182.000	180.000	ug/ml
Aromatic EPH	4.088	18.084	63972698.000	360.000	ug/ml

A
B
C
D
E
F
G
H
I
J

Continuing Calibration Report for SequenceID : FD112224AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD048799.D

Aromatic C10-C12	8918312.000	40.000	4.088	5.804	222957.800	192017.544	-16.113
Aromatic C12-C16	13472337.000	60.000	5.805	8.412	224538.950	192458.977	-16.668
Aromatic C16-C21	16224475.000	80.000	8.413	12.677	202805.938	185804.816	-9.150
Aromatic C21-C36	31702232.000	180.000	12.678	18.087	176123.511	157231.056	-12.016
Aromatic EPH	70317356.000	360.000	4.088	18.087	195325.989	173317.266	-12.699

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	22 Nov 2024 10:19
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048799.D	Misc:	
Instrument:	FID_D	ALS Vial:	53
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.088	5.804	8918312.000	40.000	ug/ml
Aromatic C12-C16	5.805	8.412	13472337.000	60.000	ug/ml
Aromatic C16-C21	8.413	12.677	16224475.000	80.000	ug/ml
Aromatic C21-C36	12.678	18.087	31702232.000	180.000	ug/ml
Aromatic EPH	4.088	18.087	70317356.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD112224AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD048809.D

Aromatic C10-C12	7879801.000	40.000	4.088	5.804	196995.025	192017.544	-2.592
Aromatic C12-C16	11762602.000	60.000	5.805	8.412	196043.367	192458.977	-1.862
Aromatic C16-C21	14657115.000	80.000	8.413	12.677	183213.938	185804.816	1.394
Aromatic C21-C36	28600750.000	180.000	12.678	18.087	158893.056	157231.056	-1.057
Aromatic EPH	62900268.000	360.000	4.088	18.087	174722.967	173317.266	-0.811

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	22 Nov 2024 16:21
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048809.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.088	5.804	7879801.000	40.000	ug/ml
Aromatic C12-C16	5.805	8.412	11762602.000	60.000	ug/ml
Aromatic C16-C21	8.413	12.677	14657115.000	80.000	ug/ml
Aromatic C21-C36	12.678	18.087	28600750.000	180.000	ug/ml
Aromatic EPH	4.088	18.087	62900268.000	360.000	ug/ml



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
 Data File : FC067852.D
 Signal(s) : FID1A.ch
 Acq On : 22 Nov 2024 12:44
 Operator : YP/AJ
 Sample : P4892-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 WB-310-TOP

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/25/2024
 Supervised By :Ankita Jodhani 11/25/2024

Integration File: sample.E
 Quant Time: Nov 22 22:22:09 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 14:13:15 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.943	4795266	33.034 ug/mlm
Spiked Amount 50.000		Recovery =	66.07%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
Data File : FC067852.D
Signal(s) : FID1A.ch
Acq On : 22 Nov 2024 12:44
Operator : YP/AJ
Sample : P4892-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

WB-310-TOP

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2024

Supervised By :Ankita Jodhani 11/25/2024

Integration File: sample.E

Quant Time: Nov 22 22:22:09 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M

Quant Title : GC Extractables

QLast Update : Thu Nov 14 14:13:15 2024

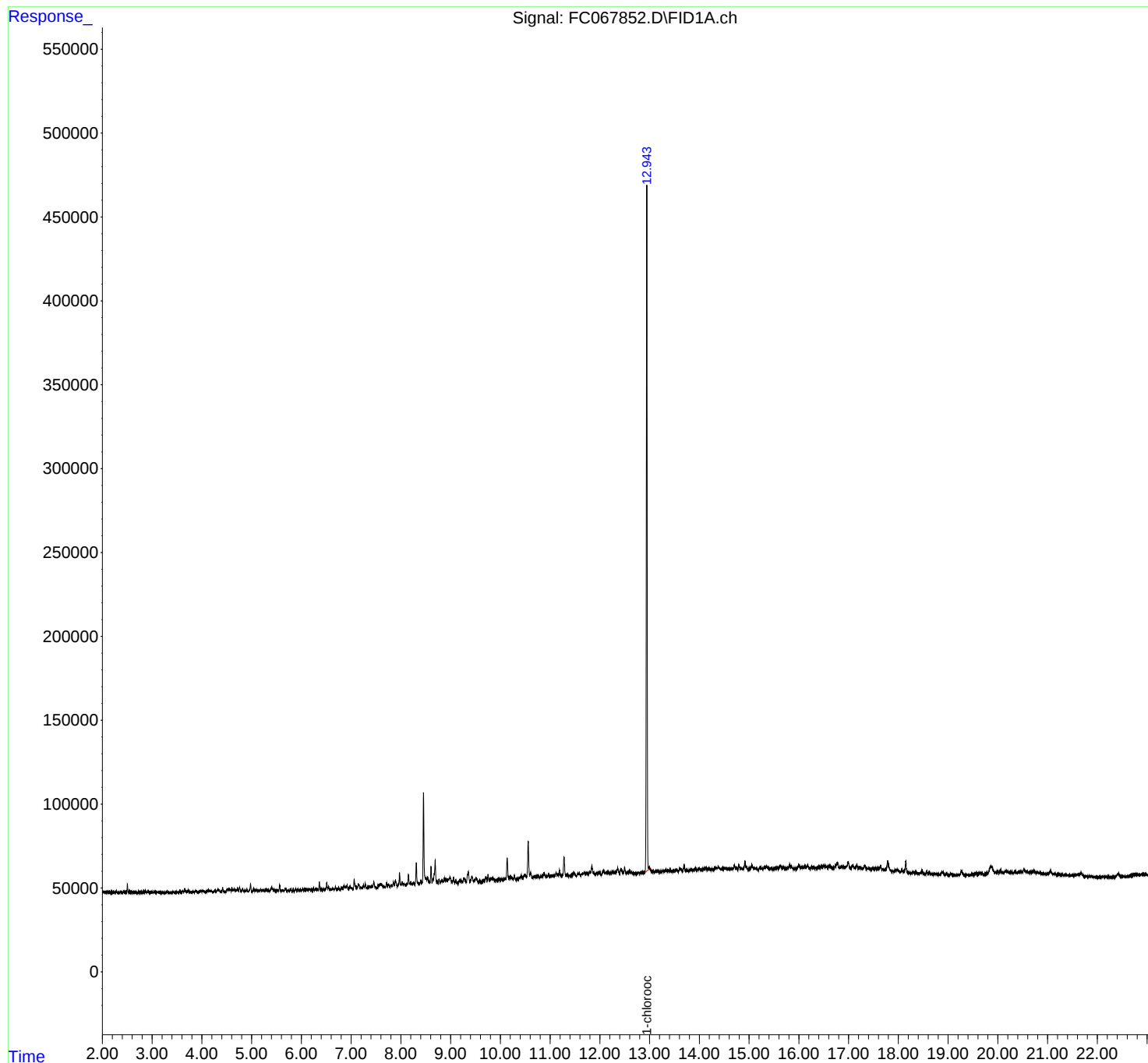
Response via : Initial Calibration

Integrator: ChemStation

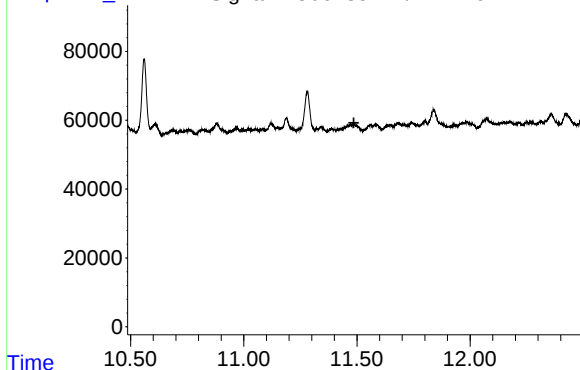
Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Response_ Signal: FC067852.D\FID1A.ch



#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.486 min
Response: 0
Conc: N.D.

Instrument :

FID_C

ClientSampleId :

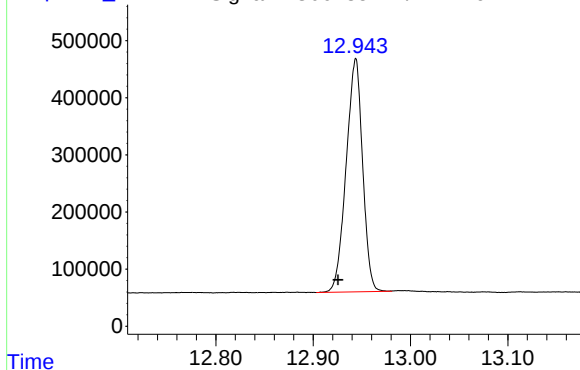
WB-310-TOP

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2024
Supervised By :Ankita Jodhani 11/25/2024

Time Response_ Signal: FC067852.D\FID1A.ch



#12 1-chlorooctadecane (SURR)

R.T.: 12.943 min
Delta R.T.: 0.018 min
Response: 4795266
Conc: 33.03 ug/ml m

Instrument :

FID_C

ClientSampleId :

WB-310-TOP

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/25/2024

Supervised By :Ankita Jodhani 11/25/2024

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC11222
 Data File : FC067852.D
 Signal(s) : FID1A.ch
 Acq On : 22 Nov 2024 12:44
 Sample : P4892-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	3.284	3.224	3.294	BV	458	3820	0.07%	0.003%
2	3.305	3.294	3.322	VV	541	4463	0.08%	0.004%
3	3.330	3.322	3.367	PV	39	-1933	-0.04%	-0.002%
4	3.381	3.367	3.394	PV	-63	-1702	-0.03%	-0.002%
5	3.411	3.394	3.451	PV	228	3887	0.07%	0.004%
6	3.483	3.451	3.533	PV	326	7156	0.13%	0.006%
7	3.557	3.533	3.582	PV	790	11318	0.21%	0.010%
8	3.613	3.582	3.638	PV	847	12173	0.23%	0.011%
9	3.657	3.638	3.699	VV	2240	32423	0.60%	0.029%
10	3.728	3.699	3.763	VV	1749	26184	0.49%	0.024%
11	3.778	3.763	3.807	VV	680	8795	0.16%	0.008%
12	3.824	3.807	3.841	VV	879	7283	0.14%	0.007%
13	3.870	3.841	3.916	PV	1321	27220	0.51%	0.025%
14	3.951	3.916	3.964	PV	929	11876	0.22%	0.011%
15	3.979	3.964	3.997	VV	1439	16054	0.30%	0.015%
16	4.012	3.997	4.030	VV	1349	16740	0.31%	0.015%
17	4.044	4.030	4.064	VV	1096	13576	0.25%	0.012%
18	4.127	4.064	4.141	VV	1980	35246	0.66%	0.032%
19	4.155	4.141	4.178	VV	1616	23812	0.44%	0.022%
20	4.192	4.178	4.234	VV	1133	17959	0.33%	0.016%
21	4.263	4.234	4.282	VV	1721	23787	0.44%	0.022%
22	4.321	4.282	4.338	VV	2074	39305	0.73%	0.036%
23	4.348	4.338	4.375	VV	1381	22296	0.42%	0.020%
24	4.385	4.375	4.398	VV	694	7973	0.15%	0.007%
25	4.418	4.398	4.447	VV	2998	37777	0.70%	0.034%
26	4.460	4.447	4.481	VV	543	9549	0.18%	0.009%
27	4.513	4.481	4.530	VV	2201	43401	0.81%	0.039%
28	4.547	4.530	4.561	VV	2789	35728	0.67%	0.032%
29	4.571	4.561	4.587	VV	2043	24563	0.46%	0.022%
30	4.602	4.587	4.617	VV	3350	35030	0.65%	0.032%
31	4.630	4.617	4.642	VV	2076	23279	0.43%	0.021%
32	4.653	4.642	4.666	VV	1939	22199	0.41%	0.020%
33	4.676	4.666	4.692	VV	2112	22967	0.43%	0.021%
34	4.719	4.692	4.737	VV	2538	42928	0.80%	0.039%
35	4.757	4.737	4.781	VV	3133	51282	0.96%	0.046%
36	4.792	4.781	4.801	VV	1140	12313	0.23%	0.011%

Instrument : FID_C									
ClientSampleId : WB-310-TOP									
Manual IntegrationsAPPROVED									
Reviewed By :Yogesh Patel 11/25/2024									
Supervised By :Ankita Jodhani 11/25/2024									
					rters				
37	4.819	4.801	4.845	VV	2673	38848	0.72%	0.035%	
38	4.866	4.845	4.882	VV	1331	20791			
39	4.905	4.882	4.928	VV	1611	29933			
40	4.979	4.928	5.014	VV	5261	92162			
41	5.037	5.014	5.051	VV	2332	29883			
42	5.062	5.051	5.075	VV	1912	21753			
43	5.085	5.075	5.126	VV	1514	37335	0.70%	0.034%	
44	5.151	5.126	5.165	VV	1317	24332	0.45%	0.022%	
45	5.184	5.165	5.229	VV	1981	52675	0.98%	0.048%	
46	5.240	5.229	5.255	VV	1524	19292	0.36%	0.017%	
47	5.273	5.255	5.287	VV	2340	29734	0.55%	0.027%	
48	5.302	5.287	5.370	VV	1931	64675	1.21%	0.059%	
49	5.404	5.370	5.436	VV	3609	82432	1.54%	0.075%	
50	5.452	5.436	5.491	VV	1641	42537	0.79%	0.038%	
51	5.505	5.491	5.518	VV	1486	19408	0.36%	0.018%	
52	5.531	5.518	5.540	VV	1251	16168	0.30%	0.015%	
53	5.563	5.540	5.587	VV	4590	66681	1.24%	0.060%	
54	5.617	5.587	5.650	VV	1411	45651	0.85%	0.041%	
55	5.678	5.650	5.714	VV	2575	63554	1.18%	0.057%	
56	5.729	5.714	5.760	VV	1657	33756	0.63%	0.031%	
57	5.791	5.760	5.814	VV	2001	43298	0.81%	0.039%	
58	5.836	5.814	5.857	VV	2166	33326	0.62%	0.030%	
59	5.887	5.857	5.905	VV	2139	45283	0.84%	0.041%	
60	5.934	5.905	5.956	VV	1773	43137	0.80%	0.039%	
61	5.977	5.956	5.993	VV	1934	33425	0.62%	0.030%	
62	6.026	5.993	6.047	VV	2297	52859	0.98%	0.048%	
63	6.066	6.047	6.091	VV	1813	41252	0.77%	0.037%	
64	6.110	6.091	6.131	VV	2141	43022	0.80%	0.039%	
65	6.169	6.131	6.185	VV	2287	58777	1.10%	0.053%	
66	6.199	6.185	6.221	VV	1810	32950	0.61%	0.030%	
67	6.242	6.221	6.262	VV	2688	45232	0.84%	0.041%	
68	6.290	6.262	6.305	VV	2189	47605	0.89%	0.043%	
69	6.318	6.305	6.340	VV	2100	38056	0.71%	0.034%	
70	6.362	6.340	6.431	VV	6383	136171	2.54%	0.123%	
71	6.450	6.431	6.465	VV	2361	38012	0.71%	0.034%	
72	6.511	6.465	6.533	VV	6002	123504	2.30%	0.112%	
73	6.549	6.533	6.570	VV	3649	59444	1.11%	0.054%	
74	6.583	6.570	6.607	VV	2441	42284	0.79%	0.038%	
75	6.631	6.607	6.658	VV	2419	61226	1.14%	0.055%	
76	6.685	6.658	6.711	VV	3261	76083	1.42%	0.069%	
77	6.722	6.711	6.730	VV	1977	21125	0.39%	0.019%	
78	6.748	6.730	6.777	VV	2559	60149	1.12%	0.054%	
79	6.818	6.777	6.837	VV	3023	85985	1.60%	0.078%	
80	6.857	6.837	6.871	VV	4175	65502	1.22%	0.059%	
81	6.883	6.871	6.897	VV	3686	49854	0.93%	0.045%	
82	6.918	6.897	6.945	VV	4266	89865	1.67%	0.081%	
83	6.979	6.945	7.001	VV	3618	95891	1.79%	0.087%	
84	7.016	7.001	7.038	VV	2902	56330	1.05%	0.051%	
85	7.063	7.038	7.101	VV	7929	161927	3.02%	0.146%	
86	7.117	7.101	7.128	VV	3469	47820	0.89%	0.043%	
87	7.146	7.128	7.180	VV	5307	124776	2.32%	0.113%	
88	7.200	7.180	7.219	VV	3028	67265	1.25%	0.061%	
89	7.248	7.219	7.264	VV	4347	93531	1.74%	0.085%	

							Instrument : FID_C		A	
							ClientSampleId : WB-310-TOP			
	rteres								Manual IntegrationsAPPROVED	B
90	7.284	7.264	7.314	VV	5459	113524	2.12%	0.103%		C
91	7.335	7.314	7.358	VV	3458	82991				D
92	7.374	7.358	7.392	VV	3959	68167				E
93	7.413	7.392	7.429	VV	3777	77721				F
94	7.457	7.429	7.484	VV	6209	146634			G	
95	7.498	7.484	7.522	VV	3170	65477			H	
96	7.544	7.522	7.556	VV	4633	74368	1.39%	0.067%	I	
97	7.572	7.556	7.582	VV	5178	70037	1.31%	0.063%	J	
98	7.595	7.582	7.608	VV	5562	76587	1.43%	0.069%		
99	7.619	7.608	7.639	VV	5081	80136	1.49%	0.072%		
100	7.661	7.639	7.688	VV	3695	100496	1.87%	0.091%		
101	7.712	7.688	7.728	VV	5771	109104	2.03%	0.099%		
102	7.740	7.728	7.778	VV	4664	126431	2.36%	0.114%		
103	7.804	7.778	7.822	VV	4675	104995	1.96%	0.095%		
104	7.850	7.822	7.868	VV	6076	135253	2.52%	0.122%		
105	7.890	7.868	7.929	VV	7006	195380	3.64%	0.177%		
106	7.974	7.929	8.004	VV	11770	274055	5.11%	0.248%		
107	8.027	8.004	8.048	VV	6214	137412	2.56%	0.124%		
108	8.063	8.048	8.086	VV	5415	113994	2.12%	0.103%		
109	8.153	8.086	8.179	VV	10548	331540	6.18%	0.300%		
110	8.200	8.179	8.222	VV	6365	142867	2.66%	0.129%		
111	8.249	8.222	8.262	VV	5696	125264	2.33%	0.113%		
112	8.270	8.262	8.283	VV	5409	64836	1.21%	0.059%		
113	8.310	8.283	8.378	VV	17810	448433	8.36%	0.406%		
114	8.401	8.378	8.424	VV	6864	168608	3.14%	0.153%		
115	8.455	8.424	8.495	VV	59462	873640	16.28%	0.790%		
116	8.506	8.495	8.520	VV	8846	124686	2.32%	0.113%		
117	8.539	8.520	8.564	VV	9268	208646	3.89%	0.189%		
118	8.573	8.564	8.584	VV	6606	74744	1.39%	0.068%		
119	8.607	8.584	8.629	VV	15559	263225	4.90%	0.238%		
120	8.645	8.629	8.653	VV	8435	112528	2.10%	0.102%		
121	8.690	8.653	8.718	VV	19246	440261	8.20%	0.398%		
122	8.733	8.718	8.748	VV	6659	113404	2.11%	0.103%		
123	8.767	8.748	8.789	VV	7988	168739	3.14%	0.153%		
124	8.834	8.789	8.852	VV	7578	249733	4.65%	0.226%		
125	8.872	8.852	8.885	VV	8668	152404	2.84%	0.138%		
126	8.911	8.885	8.931	VV	8113	207116	3.86%	0.187%		
127	8.952	8.931	8.961	VV	7683	138765	2.59%	0.126%		
128	8.988	8.961	9.031	VV	9375	323362	6.03%	0.293%		
129	9.058	9.031	9.083	VV	8944	224993	4.19%	0.204%		
130	9.104	9.083	9.144	VV	6967	226998	4.23%	0.205%		
131	9.178	9.144	9.196	VV	7325	199257	3.71%	0.180%		
132	9.209	9.196	9.240	VV	7166	174948	3.26%	0.158%		
133	9.276	9.240	9.311	VV	8804	318910	5.94%	0.288%		
134	9.356	9.311	9.391	VV	12389	429669	8.01%	0.389%		
135	9.428	9.391	9.461	VV	9877	334620	6.24%	0.303%		
136	9.475	9.461	9.491	VV	7446	131471	2.45%	0.119%		
137	9.509	9.491	9.571	VV	9101	355914	6.63%	0.322%		
138	9.589	9.571	9.612	VV	6874	162804	3.03%	0.147%		
139	9.630	9.612	9.644	VV	6506	121343	2.26%	0.110%		
140	9.667	9.644	9.682	VV	7645	157112	2.93%	0.142%		
141	9.708	9.682	9.733	VV	9443	255681	4.76%	0.231%		

142	9.752	9.733	9.774	VV	10808	214379	3.99%	0.194%
143	9.785	9.774	9.794	VV	7701	90236		
144	9.812	9.794	9.820	VV	8236	122855		
145	9.833	9.820	9.839	VV	8538	97261		
146	9.853	9.839	9.892	VV	8587	250284		
147	9.923	9.892	9.944	VV	7901	230671		
148	9.979	9.944	10.003	VV	8231	274569	5.12%	0.248%
149	10.026	10.003	10.046	VV	8174	198964	3.71%	0.180%
150	10.070	10.046	10.084	VV	7887	175214	3.26%	0.159%
151	10.099	10.084	10.110	VV	8239	122551	2.28%	0.111%
152	10.138	10.110	10.166	VV	20525	446102	8.31%	0.404%
153	10.216	10.166	10.251	VV	9211	449467	8.38%	0.407%
154	10.284	10.251	10.308	VV	10185	297508	5.54%	0.269%
155	10.331	10.308	10.359	VV	8460	244946	4.56%	0.222%
156	10.386	10.359	10.399	VV	9160	209823	3.91%	0.190%
157	10.420	10.399	10.448	VV	10321	273556	5.10%	0.247%
158	10.489	10.448	10.524	VV	10968	445826	8.31%	0.403%
159	10.560	10.524	10.589	VV	30543	664815	12.39%	0.601%
160	10.608	10.589	10.639	VV	11744	313772	5.85%	0.284%
161	10.690	10.639	10.711	VV	9981	400376	7.46%	0.362%
162	10.721	10.711	10.733	VV	9592	126279	2.35%	0.114%
163	10.758	10.733	10.790	VV	9965	320167	5.97%	0.290%
164	10.815	10.790	10.844	VV	9998	312985	5.83%	0.283%
165	10.880	10.844	10.928	VV	11817	512331	9.55%	0.463%
166	10.968	10.928	11.004	VV	10567	453340	8.45%	0.410%
167	11.019	11.004	11.034	VV	10248	177348	3.30%	0.160%
168	11.051	11.034	11.069	VV	10119	212045	3.95%	0.192%
169	11.086	11.069	11.095	VV	10172	154719	2.88%	0.140%
170	11.121	11.095	11.164	VV	11710	442445	8.24%	0.400%
171	11.188	11.164	11.231	VV	13385	444830	8.29%	0.402%
172	11.280	11.231	11.325	VV	21077	733569	13.67%	0.664%
173	11.343	11.325	11.366	VV	10842	250655	4.67%	0.227%
174	11.389	11.366	11.406	VV	10372	243676	4.54%	0.220%
175	11.486	11.406	11.528	VV	11595	775271	14.45%	0.701%
176	11.560	11.528	11.614	VV	11525	558684	10.41%	0.505%
177	11.646	11.614	11.664	VV	11353	328896	6.13%	0.298%
178	11.681	11.664	11.719	VV	11882	374543	6.98%	0.339%
179	11.741	11.719	11.776	VV	11926	395110	7.36%	0.357%
180	11.800	11.776	11.811	VV	12452	250095	4.66%	0.226%
181	11.839	11.811	11.910	VV	15866	741293	13.81%	0.671%
182	11.985	11.910	12.034	VV	12244	856362	15.96%	0.775%
183	12.074	12.034	12.117	VV	13100	598023	11.14%	0.541%
184	12.176	12.117	12.194	VV	12350	551247	10.27%	0.499%
185	12.216	12.194	12.231	VV	12125	261806	4.88%	0.237%
186	12.250	12.231	12.290	VV	12271	416801	7.77%	0.377%
187	12.312	12.290	12.324	VV	12309	247808	4.62%	0.224%
188	12.358	12.324	12.397	VV	14712	563300	10.50%	0.510%
189	12.424	12.397	12.472	VV	14453	574657	10.71%	0.520%
190	12.498	12.472	12.551	VV	15397	593302	11.06%	0.537%
191	12.564	12.551	12.580	VV	12280	211171	3.93%	0.191%
192	12.598	12.580	12.627	VV	12821	350002	6.52%	0.317%
193	12.643	12.627	12.716	VV	12282	614342	11.45%	0.556%
194	12.774	12.716	12.798	VV	11839	561499	10.46%	0.508%

Instrument :

FID_C

ClientSampleId :

WB-310-TOP

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/25/2024

Supervised By :Ankita Jodhani 11/25/2024

							Instrument : FID_C		WB-310-TOP	5.32% 0.258%	A				
							ClientSampleId :					Manual IntegrationsAPPROVED	B		
rteres															
195	12.820	12.798	12.839	VV	11891	285640								Reviewed By :Yogesh Patel 11/25/2024 Supervised By :Ankita Jodhani 11/25/2024	C
196	12.884	12.839	12.904	VV	12320	471589									
197	12.943	12.904	12.979	VV	424202	5366720	100								
198	12.992	12.979	13.063	VV	15003	691013	12								
199	13.076	13.063	13.098	VV	12940	258630	4		D						
200	13.112	13.098	13.131	VV	13057	252097	4								
201	13.159	13.131	13.196	VV	12947	493085	9.19% 0.446%			E					
202	13.222	13.196	13.251	VV	12586	410626	7.65% 0.371%								
203	13.271	13.251	13.288	VV	13300	285274	5.32% 0.258%		F						
204	13.329	13.288	13.356	VV	13815	529605	9.87% 0.479%								
205	13.369	13.356	13.392	VV	13313	282177	5.26% 0.255%			G					
206	13.415	13.392	13.451	VV	13466	457870	8.53% 0.414%								
207	13.469	13.451	13.484	VV	12904	255110	4.75% 0.231%		H						
208	13.537	13.484	13.574	VV	14010	712751	13.28% 0.645%								
209	13.607	13.574	13.622	VV	13974	386496	7.20% 0.350%			I					
210	13.636	13.622	13.663	VV	14089	331125	6.17% 0.300%								
211	13.691	13.663	13.721	VV	16801	493513	9.20% 0.446%		J						
212	13.741	13.721	13.804	VV	13571	657000	12.24% 0.594%								
213	13.833	13.804	13.878	VV	13774	588064	10.96% 0.532%								
214	13.931	13.878	13.948	VV	14754	583284	10.87% 0.528%								
215	13.992	13.948	14.041	VV	14485	769097	14.33% 0.696%								
216	14.094	14.041	14.114	VV	14271	615031	11.46% 0.556%								
217	14.129	14.114	14.174	VV	14964	511850	9.54% 0.463%								
218	14.196	14.174	14.230	VV	14724	467214	8.71% 0.423%								
219	14.253	14.230	14.289	VV	14134	489189	9.12% 0.443%								
220	14.325	14.289	14.356	VV	15124	578081	10.77% 0.523%								
221	14.387	14.356	14.415	VV	15321	524794	9.78% 0.475%								
222	14.423	14.415	14.441	VV	14471	216283	4.03% 0.196%								
223	14.497	14.441	14.521	VV	15011	683250	12.73% 0.618%								
224	14.536	14.521	14.562	VV	14902	353862	6.59% 0.320%								
225	14.581	14.562	14.601	VV	14252	328929	6.13% 0.298%								
226	14.608	14.601	14.615	VV	14053	118123	2.20% 0.107%								
227	14.641	14.615	14.651	VV	14449	306873	5.72% 0.278%								
228	14.704	14.651	14.733	VV	16618	726506	13.54% 0.657%								
229	14.748	14.733	14.770	VV	15117	322164	6.00% 0.291%								
230	14.795	14.770	14.828	VV	16759	525425	9.79% 0.475%								
231	14.835	14.828	14.858	VV	14746	261476	4.87% 0.237%								
232	14.867	14.858	14.875	VV	14367	145484	2.71% 0.132%								
233	14.881	14.875	14.888	VV	14314	112582	2.10% 0.102%								
234	14.914	14.888	14.934	VV	18670	450013	8.39% 0.407%								
235	14.947	14.934	14.974	VV	15736	358888	6.69% 0.325%								
236	15.004	14.974	15.023	VH	14509	412376	7.68% 0.373%								
237	15.058	15.023	15.114	HH	16226	811454	15.12% 0.734%								
238	15.127	15.114	15.145	HH	14475	265492	4.95% 0.240%								
239	15.162	15.145	15.183	HH	14190	313027	5.83% 0.283%								
240	15.225	15.183	15.281	HH	15227	852555	15.89% 0.771%								
241	15.314	15.281	15.331	HH	15315	441141	8.22% 0.399%								
242	15.342	15.331	15.381	HH	15633	451800	8.42% 0.409%								
243	15.396	15.381	15.420	HH	14790	341254	6.36% 0.309%								
244	15.438	15.420	15.488	HH	14550	569420	10.61% 0.515%								
245	15.495	15.488	15.508	HH	14170	168853	3.15% 0.153%								
246	15.534	15.508	15.554	HH	14785	404414	7.54% 0.366%								

Instrument : FID_C									
ClientSampleId : WB-310-TOP									
Manual IntegrationsAPPROVED									
Reviewed By :Yogesh Patel 11/25/2024									
Supervised By :Ankita Jodhani 11/25/2024									
					rters				
247	15.574	15.554	15.591	HH	15082	320563	5.97%	0.290%	
248	15.627	15.591	15.688	HH	15967	871613	16.00%	0.327%	
249	15.700	15.688	15.737	HH	14880	427692	9.00%	0.290%	
250	15.773	15.737	15.794	HH	15285	504274	9.00%	0.290%	
251	15.815	15.794	15.833	HH	16734	362630	6.00%	0.290%	
252	15.851	15.833	15.894	HH	15567	553205	10.00%	0.290%	
253	15.909	15.894	15.931	HH	14343	308788	5.75%	0.279%	
254	15.938	15.931	15.945	HH	14400	121160	2.26%	0.110%	
255	15.997	15.945	16.037	HH	16593	839216	15.64%	0.759%	
256	16.111	16.037	16.121	HH	15528	758140	14.13%	0.686%	
257	16.129	16.121	16.141	HH	15753	187253	3.49%	0.169%	
258	16.174	16.141	16.223	HH	16027	754608	14.06%	0.683%	
259	16.268	16.223	16.283	HH	15557	533776	9.95%	0.483%	
260	16.301	16.283	16.319	HH	15887	330406	6.16%	0.299%	
261	16.335	16.319	16.361	HH	15165	372342	6.94%	0.337%	
262	16.389	16.361	16.425	HH	15301	567697	10.58%	0.514%	
263	16.518	16.425	16.539	HH	15965	1060935	19.77%	0.960%	
264	16.559	16.539	16.579	HH	15736	361054	6.73%	0.327%	
265	16.622	16.579	16.680	HH	15838	925939	17.25%	0.838%	
266	16.694	16.680	16.703	HH	14942	197093	3.67%	0.178%	
267	16.777	16.703	16.804	HH	17717	977373	18.21%	0.884%	
268	16.817	16.804	16.828	HH	15237	209929	3.91%	0.190%	
269	16.862	16.828	16.908	HH	15584	733418	13.67%	0.663%	
270	16.993	16.908	17.038	HH	18511	1232464	22.96%	1.115%	
271	17.049	17.038	17.053	HH	14962	136493	2.54%	0.123%	
272	17.080	17.053	17.130	HH	16575	710949	13.25%	0.643%	
273	17.166	17.130	17.191	HH	16497	557171	10.38%	0.504%	
274	17.217	17.191	17.261	HH	15624	621958	11.59%	0.563%	
275	17.276	17.261	17.291	HH	14406	257361	4.80%	0.233%	
276	17.321	17.291	17.357	HH	16159	603410	11.24%	0.546%	
277	17.371	17.357	17.387	HH	14649	258426	4.82%	0.234%	
278	17.402	17.387	17.421	HH	14776	287466	5.36%	0.260%	
279	17.435	17.421	17.468	HH	14157	390566	7.28%	0.353%	
280	17.493	17.468	17.514	HH	14622	395069	7.36%	0.357%	
281	17.536	17.514	17.564	HH	14881	427629	7.97%	0.387%	
282	17.582	17.564	17.604	HH	14648	341946	6.37%	0.309%	
283	17.645	17.604	17.668	HH	16456	571181	10.64%	0.517%	
284	17.687	17.668	17.723	HH	14301	447212	8.33%	0.405%	
285	17.784	17.723	17.863	HH	18824	1244221	23.18%	1.126%	
286	17.878	17.863	17.914	HH	13080	392543	7.31%	0.355%	
287	17.955	17.914	17.964	HH	13629	398489	7.43%	0.360%	
288	17.986	17.964	18.004	HH	13755	319862	5.96%	0.289%	
289	18.011	18.004	18.048	HH	13085	326128	6.08%	0.295%	
290	18.070	18.048	18.091	HH	14014	341027	6.35%	0.309%	
291	18.149	18.091	18.201	HH	18797	892976	16.64%	0.808%	
292	18.213	18.201	18.248	HH	11867	325783	6.07%	0.295%	
293	18.269	18.248	18.284	HH	11685	254241	4.74%	0.230%	
294	18.303	18.284	18.327	HH	12186	305061	5.68%	0.276%	
295	18.342	18.327	18.424	HH	12011	677772	12.63%	0.613%	
296	18.480	18.424	18.538	HH	13659	805111	15.00%	0.728%	
297	18.571	18.538	18.598	HH	13075	419832	7.82%	0.380%	
298	18.621	18.598	18.642	HH	12281	310086	5.78%	0.281%	
299	18.674	18.642	18.718	HH	11377	498415	9.29%	0.451%	

							Instrument : FID_C		A
							ClientSampleId : WB-310-TOP		
rteres									Manual IntegrationsAPPROVED
300	18.749	18.718	18.764	HH	11454	312038	5.81%	0.282%	
301	18.771	18.764	18.795	HH	11138	204250	3.77%	0.184%	
302	18.824	18.795	18.854	HH	10918	381090	7.74%	0.369%	
303	18.877	18.854	18.942	HH	12546	602243	11.71%	0.567%	
304	18.969	18.942	19.002	HH	11389	385478	7.69%	0.359%	
305	19.053	19.002	19.110	HH	11482	699827	13.69%	1.751%	
306	19.141	19.110	19.185	HH	10673	470895	8.77%	0.426%	
307	19.197	19.185	19.218	HH	10685	203941	3.80%	0.184%	
308	19.264	19.218	19.343	HH	12817	846833	15.78%	0.766%	
309	19.375	19.343	19.422	HH	10956	499264	9.30%	0.452%	
310	19.481	19.422	19.497	HH	10888	473745	8.83%	0.429%	
311	19.563	19.497	19.608	HH	11434	727290	13.55%	0.658%	
312	19.640	19.608	19.668	HH	11830	407376	7.59%	0.369%	
313	19.674	19.668	19.727	HH	11860	396908	7.40%	0.359%	
314	19.857	19.727	19.981	HH	15854	1936135	36.08%	1.751%	
315	19.999	19.981	20.021	HH	12939	295937	5.51%	0.268%	
316	20.055	20.021	20.091	HH	13427	523066	9.75%	0.473%	
317	20.100	20.091	20.117	HH	12027	183967	3.43%	0.166%	
318	20.165	20.117	20.235	HH	12763	879346	16.39%	0.795%	
319	20.248	20.235	20.299	HH	12122	461195	8.59%	0.417%	
320	20.358	20.299	20.421	HH	12646	878372	16.37%	0.795%	
321	20.454	20.421	20.467	HH	12429	345621	6.44%	0.313%	
322	20.529	20.467	20.561	HH	13984	727456	13.55%	0.658%	
323	20.571	20.561	20.646	HH	12691	626565	11.68%	0.567%	
324	20.667	20.646	20.676	HH	12294	218016	4.06%	0.197%	
325	20.686	20.676	20.690	HH	12288	100272	1.87%	0.091%	
326	20.723	20.690	20.769	HH	12975	584486	10.89%	0.529%	
327	20.779	20.769	20.801	HH	11998	227100	4.23%	0.205%	
328	20.806	20.801	20.867	HH	11874	462765	8.62%	0.419%	
329	20.876	20.867	20.898	HH	11688	214195	3.99%	0.194%	
330	20.908	20.898	20.939	HH	11486	281027	5.24%	0.254%	
331	20.946	20.939	21.008	HH	11443	464081	8.65%	0.420%	
332	21.058	21.008	21.127	HH	12947	833277	15.53%	0.754%	
333	21.143	21.127	21.250	HH	11308	791348	14.75%	0.716%	
334	21.258	21.250	21.306	HH	10682	356804	6.65%	0.323%	
335	21.313	21.306	21.324	HH	10501	113938	2.12%	0.103%	
336	21.359	21.324	21.510	HH	10479	1144645	21.33%	1.035%	
337	21.610	21.510	21.637	HH	10914	802587	14.95%	0.726%	
338	21.676	21.637	21.772	HH	11714	844151	15.73%	0.764%	
339	21.783	21.772	21.838	HH	9661	372206	6.94%	0.337%	
340	21.855	21.838	21.874	HH	9511	207386	3.86%	0.188%	
341	21.881	21.874	21.934	HH	9590	338178	6.30%	0.306%	
342	21.969	21.934	22.004	HH	9430	389619	7.26%	0.352%	
343	22.018	22.004	22.044	HH	9321	220364	4.11%	0.199%	
Sum of corrected areas:							110542150		

Aliphatic EPH 111424.M Sat Nov 23 00:01:48 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224AR\
Data File : FD048803.D
Signal(s) : FID2B.ch
Acq On : 22 Nov 2024 12:44
Operator : YP/AJ
Sample : P4892-01
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-310-TOP

A
B
C
D
E
F
G
H
I
J

Integration File: autoint1.e
Quant Time: Nov 22 23:08:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.367	9909110	56.283 ug/ml
Spiked Amount 50.000		Recovery =	112.57%
6) S 2-Fluorobiphenyl (SURR)	8.217	5558802	48.266 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	96.53%
11) S ortho-Terphenyl (SURR)	11.254	7455545	38.763 ug/ml
Spiked Amount 50.000		Recovery =	77.53%

Target Compounds

(f)=RT Delta > 1/2 Window

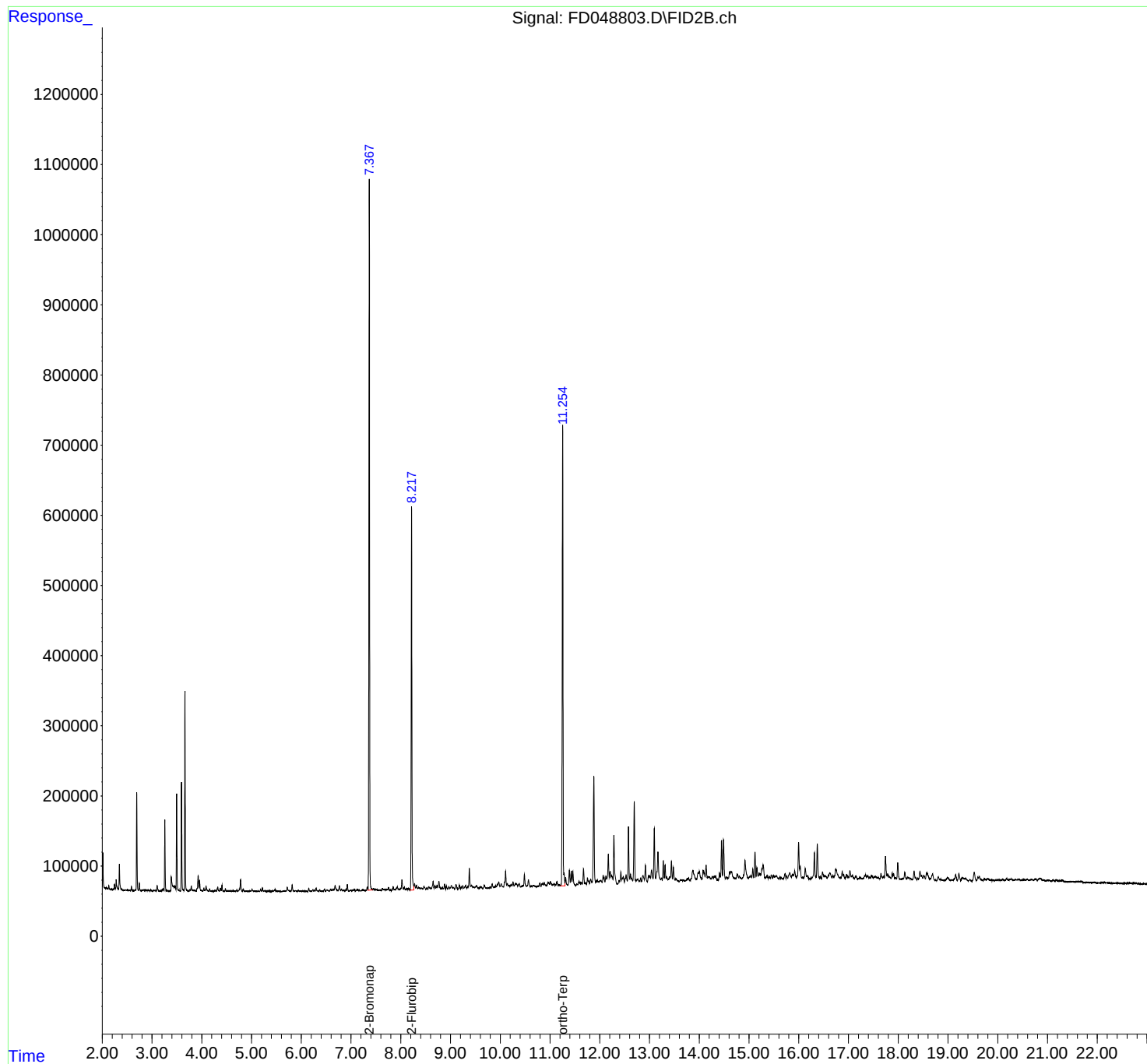
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224AR\
Data File : FD048803.D
Signal(s) : FID2B.ch
Acq On : 22 Nov 2024 12:44
Operator : YP/AJ
Sample : P4892-01
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-310-TOP

Integration File: autoint1.e
Quant Time: Nov 22 23:08:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 2024
Response via : Initial Calibration
Integrator: ChemStation

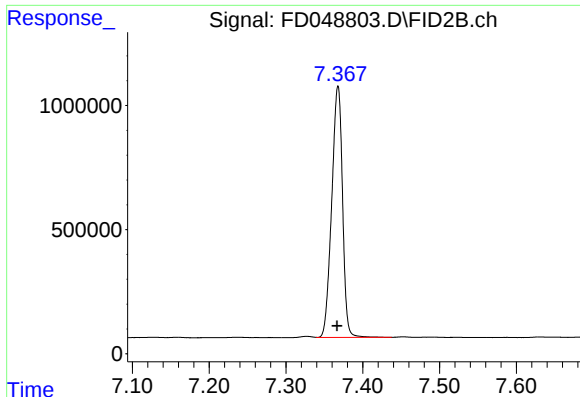
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



#4 2-Bromonaphthalene (SURR)

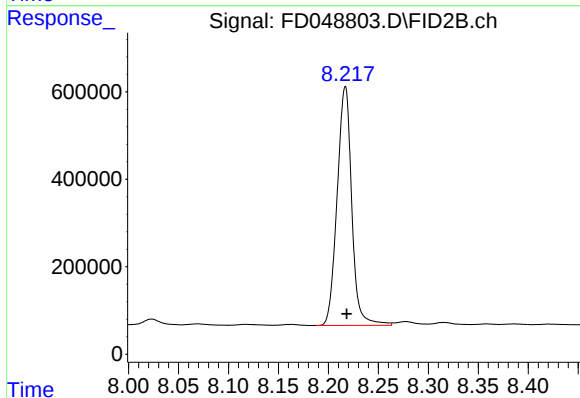
R.T.: 7.367 min
Delta R.T.: 0.000 min
Response: 9909110
Conc: 56.28 ug/ml

Instrument :
FID_D
ClientSampleId :
WB-310-TOP



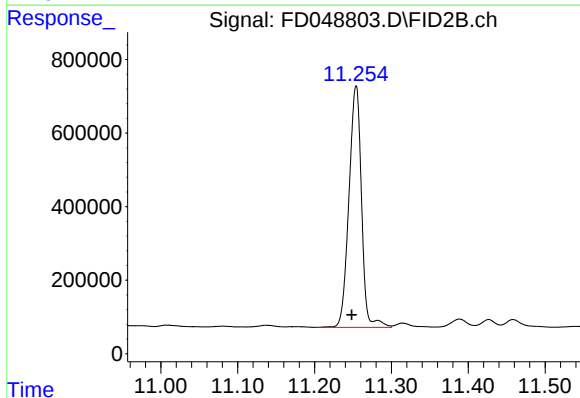
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.217 min
Delta R.T.: -0.002 min
Response: 5558802
Conc: 48.27 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.254 min
Delta R.T.: 0.005 min
Response: 7455545
Conc: 38.76 ug/ml



rteres

Area Percent

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224AR\
 Data File : FD048803.D
 Signal(s) : FID2B.ch
 Acq On : 22 Nov 2024 12:44
 Sample : P4892-01
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH
 111424.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	4.087	4.052	4.140	BV	5981	55173	0.55%	0.063%
2	4.157	4.140	4.180	PV	3446	31698	0.32%	0.036%
3	4.191	4.180	4.205	VV	309	2871	0.03%	0.003%
4	4.217	4.205	4.240	VV	882	9557	0.10%	0.011%
5	4.269	4.250	4.288	VV	2065	24665	0.25%	0.028%
6	4.321	4.288	4.351	VV	6274	93351	0.94%	0.107%
7	4.376	4.351	4.390	VV	4985	57910	0.58%	0.066%
8	4.406	4.390	4.443	VV	9183	98094	0.98%	0.112%
9	4.475	4.443	4.497	VV	4138	44900	0.45%	0.051%
10	4.521	4.497	4.537	VV	1185	19611	0.20%	0.022%
11	4.563	4.537	4.578	VV	1170	21036	0.21%	0.024%
12	4.593	4.578	4.616	VV	1272	19601	0.20%	0.022%
13	4.630	4.616	4.667	VV	1383	26747	0.27%	0.031%
14	4.673	4.667	4.683	VV	523	3977	0.04%	0.005%
15	4.702	4.683	4.717	VV	1364	18155	0.18%	0.021%
16	4.725	4.717	4.734	VV	1120	9451	0.09%	0.011%
17	4.757	4.734	4.763	VV	3297	35410	0.36%	0.041%
18	4.779	4.763	4.813	VV	17195	200482	2.01%	0.230%
19	4.835	4.813	4.878	VV	3663	54031	0.54%	0.062%
20	4.884	4.878	4.890	VV	661	3527	0.04%	0.004%
21	4.902	4.890	4.925	VV	698	9908	0.10%	0.011%
22	4.970	4.925	4.989	VV	1345	26230	0.26%	0.030%
23	5.010	4.989	5.046	VV	3550	52505	0.53%	0.060%
24	5.052	5.046	5.084	VV	922	13620	0.14%	0.016%
25	5.096	5.084	5.114	VV	509	6673	0.07%	0.008%

rteres								
26	5.124	5.114	5.133	VV	541	4807	0.05%	0.006%
27	5.142	5.133	5.160	VV	753	7295	0.07%	0.008%
28	5.181	5.160	5.200	VV	2789	33559	0.34%	0.038%
29	5.219	5.200	5.238	VV	5662	62278	0.62%	0.071%
30	5.250	5.238	5.261	VV	1126	12506	0.13%	0.014%
31	5.274	5.261	5.302	VV	1395	20064	0.20%	0.023%
32	5.307	5.302	5.315	VV	345	2573	0.03%	0.003%
33	5.342	5.315	5.357	VV	1283	19355	0.19%	0.022%
34	5.359	5.357	5.393	VV	819	8514	0.09%	0.010%
35	5.425	5.393	5.438	VV	1144	19874	0.20%	0.023%
36	5.450	5.438	5.457	VV	1187	11956	0.12%	0.014%
37	5.471	5.457	5.534	VV	3233	62837	0.63%	0.072%
38	5.544	5.534	5.558	VV	567	6960	0.07%	0.008%
39	5.563	5.558	5.575	VV	564	3667	0.04%	0.004%
40	5.581	5.575	5.589	VV	244	1549	0.02%	0.002%
41	5.623	5.607	5.634	PV	718	5834	0.06%	0.007%
42	5.666	5.634	5.693	VV	1058	28216	0.28%	0.032%
43	5.718	5.693	5.756	VV	6309	94705	0.95%	0.108%
44	5.769	5.756	5.790	VV	1712	22170	0.22%	0.025%
45	5.817	5.790	5.865	VV	9849	126641	1.27%	0.145%
46	5.887	5.865	5.907	VV	1203	19459	0.20%	0.022%
47	5.943	5.907	5.964	VV	1574	30160	0.30%	0.035%
48	5.972	5.964	5.978	VV	456	3174	0.03%	0.004%
49	5.982	5.978	5.996	VV	367	3470	0.03%	0.004%
50	6.007	5.996	6.027	VV	661	9134	0.09%	0.010%
51	6.030	6.027	6.038	VV	440	2817	0.03%	0.003%
52	6.041	6.038	6.055	VV	457	3081	0.03%	0.004%
53	6.060	6.055	6.064	VV	376	1768	0.02%	0.002%
54	6.080	6.064	6.094	VV	542	7461	0.07%	0.009%
55	6.101	6.094	6.130	VV	481	5318	0.05%	0.006%
56	6.151	6.130	6.174	VV	4674	49418	0.50%	0.057%
57	6.187	6.174	6.206	VV	488	6399	0.06%	0.007%
58	6.233	6.206	6.251	VV	2755	33236	0.33%	0.038%
59	6.268	6.251	6.281	VV	1832	18883	0.19%	0.022%
60	6.299	6.281	6.318	VV	4920	52760	0.53%	0.060%
61	6.331	6.318	6.352	VV	1390	14761	0.15%	0.017%
62	6.370	6.352	6.392	VV	2379	24175	0.24%	0.028%
63	6.397	6.392	6.408	VV	505	3114	0.03%	0.004%
64	6.422	6.408	6.437	PV	502	3482	0.03%	0.004%
65	6.469	6.437	6.492	VV	3560	41207	0.41%	0.047%
66	6.522	6.492	6.565	VV	2024	44781	0.45%	0.051%
67	6.587	6.565	6.603	VV	3283	37593	0.38%	0.043%
68	6.613	6.603	6.623	VV	1724	17223	0.17%	0.020%
69	6.643	6.623	6.658	VV	2896	43609	0.44%	0.050%

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70	6.680	6.658	6.732	VV	8086	152387	1.53%	0.175%
71	6.767	6.732	6.792	VV	7806	110929	1.11%	0.127%
72	6.809	6.792	6.828	VV	3351	39840	0.40%	0.046%
73	6.848	6.828	6.862	VV	1820	23380	0.23%	0.027%
74	6.867	6.862	6.882	VV	1004	9649	0.10%	0.011%
75	6.899	6.882	6.909	VV	2272	24776	0.25%	0.028%
76	6.926	6.909	6.958	VV	9831	108562	1.09%	0.124%
77	6.966	6.958	6.973	PV	263	1641	0.02%	0.002%
78	7.003	6.973	7.017	VV	1111	20265	0.20%	0.023%
79	7.034	7.017	7.046	VV	1941	20173	0.20%	0.023%
80	7.066	7.046	7.085	VV	2511	35429	0.36%	0.041%
81	7.127	7.085	7.145	PV	1944	38070	0.38%	0.044%
82	7.158	7.145	7.179	VV	1973	21096	0.21%	0.024%
83	7.237	7.179	7.256	VV	1846	33773	0.34%	0.039%
84	7.261	7.256	7.272	VV	782	5918	0.06%	0.007%
85	7.278	7.272	7.290	VV	710	6602	0.07%	0.008%
86	7.295	7.290	7.306	VV	567	4783	0.05%	0.005%
87	7.327	7.306	7.342	VV	5576	61477	0.62%	0.070%
88	7.368	7.342	7.436	VV	1017449	9969807	100.00%	11.420%
89	7.453	7.436	7.470	VV	3440	45665	0.46%	0.052%
90	7.488	7.470	7.512	VV	2159	41686	0.42%	0.048%
91	7.523	7.512	7.542	VV	1482	19056	0.19%	0.022%
92	7.547	7.542	7.571	VV	847	11368	0.11%	0.013%
93	7.587	7.571	7.608	VV	1047	15074	0.15%	0.017%
94	7.631	7.608	7.645	VV	2625	38408	0.39%	0.044%
95	7.649	7.645	7.669	VV	2188	23578	0.24%	0.027%
96	7.682	7.669	7.700	VV	2021	25255	0.25%	0.029%
97	7.734	7.700	7.739	VV	2114	34790	0.35%	0.040%
98	7.754	7.739	7.783	VV	4491	60769	0.61%	0.070%
99	7.795	7.783	7.809	VV	781	9305	0.09%	0.011%
100	7.814	7.809	7.818	PV	536	2072	0.02%	0.002%
101	7.846	7.818	7.866	VV	5293	71907	0.72%	0.082%
102	7.877	7.866	7.895	VV	1951	24435	0.25%	0.028%
103	7.932	7.895	7.959	VV	4995	107999	1.08%	0.124%
104	7.963	7.959	7.973	VV	1658	11076	0.11%	0.013%
105	7.993	7.973	8.001	VV	3135	36073	0.36%	0.041%
106	8.023	8.001	8.053	VV	15016	206244	2.07%	0.236%
107	8.069	8.053	8.099	VV	4115	63978	0.64%	0.073%
108	8.117	8.099	8.145	VV	2826	46143	0.46%	0.053%
109	8.163	8.145	8.188	VV	2596	32712	0.33%	0.037%
110	8.217	8.188	8.263	VV	546477	5571099	55.88%	6.382%
111	8.277	8.263	8.300	VV	9007	133870	1.34%	0.153%
112	8.315	8.300	8.343	VV	6860	110100	1.10%	0.126%

rteres								
113	8.358	8.343	8.371	VV	3543	47093	0.47%	0.054%
114	8.386	8.371	8.405	VV	3430	54410	0.55%	0.062%
115	8.420	8.405	8.450	VV	2999	59536	0.60%	0.068%
116	8.466	8.450	8.501	VV	5227	95425	0.96%	0.109%
117	8.529	8.501	8.544	VV	2430	39014	0.39%	0.045%
118	8.563	8.544	8.583	VV	4637	70383	0.71%	0.081%
119	8.592	8.583	8.613	VV	2954	42310	0.42%	0.048%
120	8.650	8.613	8.668	VV	12444	196959	1.98%	0.226%
121	8.685	8.668	8.711	VV	5354	98138	0.98%	0.112%
122	8.727	8.711	8.743	VV	6555	91246	0.92%	0.105%
123	8.766	8.743	8.816	VV	12254	225312	2.26%	0.258%
124	8.836	8.816	8.855	VV	3017	48245	0.48%	0.055%
125	8.880	8.855	8.902	VV	8032	106516	1.07%	0.122%
126	8.916	8.902	8.946	VV	5104	67972	0.68%	0.078%
127	8.966	8.946	8.985	VV	4301	59471	0.60%	0.068%
128	9.018	8.985	9.041	VV	6084	112439	1.13%	0.129%
129	9.057	9.041	9.082	VV	3119	49524	0.50%	0.057%
130	9.110	9.082	9.145	VV	6889	128123	1.29%	0.147%
131	9.177	9.145	9.196	VV	5792	83768	0.84%	0.096%
132	9.213	9.196	9.228	VV	3107	44386	0.45%	0.051%
133	9.246	9.228	9.267	VV	5161	72803	0.73%	0.083%
134	9.304	9.267	9.327	VV	5760	111056	1.11%	0.127%
135	9.349	9.327	9.360	VV	4356	60009	0.60%	0.069%
136	9.378	9.360	9.407	VV	29993	361477	3.63%	0.414%
137	9.420	9.407	9.457	VV	5058	113312	1.14%	0.130%
138	9.472	9.457	9.486	VV	3492	48199	0.48%	0.055%
139	9.523	9.486	9.560	VV	5439	131941	1.32%	0.151%
140	9.612	9.560	9.644	VV	2951	98330	0.99%	0.113%
141	9.680	9.644	9.713	VV	4773	100258	1.01%	0.115%
142	9.723	9.713	9.745	VV	1271	19887	0.20%	0.023%
143	9.761	9.745	9.773	VV	1129	16095	0.16%	0.018%
144	9.796	9.773	9.813	VV	2110	39647	0.40%	0.045%
145	9.838	9.813	9.858	VV	7167	107652	1.08%	0.123%
146	9.865	9.858	9.872	VV	2458	18796	0.19%	0.022%
147	9.878	9.872	9.891	VV	2569	28424	0.29%	0.033%
148	9.910	9.891	9.922	VV	3903	61128	0.61%	0.070%
149	9.941	9.922	9.951	VV	6285	82889	0.83%	0.095%
150	9.970	9.951	9.995	VV	9700	176407	1.77%	0.202%
151	10.021	9.995	10.067	VV	7123	174941	1.75%	0.200%
152	10.107	10.067	10.129	VV	24984	407089	4.08%	0.466%
153	10.144	10.129	10.165	VV	7379	122785	1.23%	0.141%
154	10.179	10.165	10.194	VV	4338	65583	0.66%	0.075%
155	10.217	10.194	10.237	VV	5149	111569	1.12%	0.128%

rteres									
156	10.257	10.237	10.278	VV	8952	143870	1.44%	0.165%	
157	10.302	10.278	10.317	VV	6940	131081	1.31%	0.150%	
158	10.325	10.317	10.353	VV	6449	113419	1.14%	0.130%	
159	10.380	10.353	10.406	VV	6677	147113	1.48%	0.169%	
160	10.428	10.406	10.434	VV	3113	43856	0.44%	0.050%	
161	10.456	10.434	10.465	VV	3497	61216	0.61%	0.070%	
162	10.486	10.465	10.533	VV	19632	316233	3.17%	0.362%	
163	10.566	10.533	10.606	VV	12021	248019	2.49%	0.284%	
164	10.620	10.606	10.635	VV	3015	44901	0.45%	0.051%	
165	10.673	10.635	10.694	VV	4087	112358	1.13%	0.129%	
166	10.705	10.694	10.722	VV	2673	37841	0.38%	0.043%	
167	10.745	10.722	10.754	VV	2415	40849	0.41%	0.047%	
168	10.762	10.754	10.771	VV	2331	23878	0.24%	0.027%	
169	10.797	10.771	10.819	VV	6983	127430	1.28%	0.146%	
170	10.834	10.819	10.842	VV	5766	62347	0.63%	0.071%	
171	10.852	10.842	10.863	VV	5999	67979	0.68%	0.078%	
172	10.881	10.863	10.907	VV	7659	147925	1.48%	0.169%	
173	10.911	10.907	10.936	VV	3966	62300	0.62%	0.071%	
174	10.958	10.936	10.967	VV	7410	105659	1.06%	0.121%	
175	10.972	10.967	10.991	VV	7170	94540	0.95%	0.108%	
176	11.008	10.991	11.060	VV	8639	239093	2.40%	0.274%	
177	11.081	11.060	11.101	VV	5916	116346	1.17%	0.133%	
178	11.106	11.101	11.111	VV	3806	22686	0.23%	0.026%	
179	11.137	11.111	11.162	VV	8243	170731	1.71%	0.196%	
180	11.176	11.162	11.201	VV	4277	86749	0.87%	0.099%	
181	11.254	11.201	11.276	VV	659113	7384186	74.07%	8.459%	
182	11.282	11.276	11.300	VV	21410	214798	2.15%	0.246%	
183	11.314	11.300	11.358	VV	13848	246263	2.47%	0.282%	
184	11.389	11.358	11.409	VV	24744	391225	3.92%	0.448%	
185	11.427	11.409	11.442	VV	23672	302475	3.03%	0.346%	
186	11.458	11.442	11.517	VV	23281	413109	4.14%	0.473%	
187	11.541	11.517	11.559	VV	4687	98517	0.99%	0.113%	
188	11.583	11.559	11.604	VV	7611	171589	1.72%	0.197%	
189	11.620	11.604	11.639	VV	7336	123059	1.23%	0.141%	
190	11.673	11.639	11.697	VV	26562	431328	4.33%	0.494%	
191	11.704	11.697	11.731	VV	6074	111364	1.12%	0.128%	
192	11.754	11.731	11.769	VV	13089	198973	2.00%	0.228%	
193	11.778	11.769	11.795	VV	9231	116402	1.17%	0.133%	
194	11.817	11.795	11.846	VV	10919	259079	2.60%	0.297%	
195	11.881	11.846	11.916	VV	157795	2203617	22.10%	2.524%	
196	11.930	11.916	11.942	VV	8755	125919	1.26%	0.144%	
197	11.954	11.942	11.966	VV	8896	117301	1.18%	0.134%	
198	11.978	11.966	11.986	VV	8035	89490	0.90%	0.103%	
199	12.000	11.986	12.011	VV	9089	126199	1.27%	0.145%	

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200	12.024	12.011	12.049	VV	9924	187738	1.88%	0.215%
201	12.067	12.049	12.080	VV	16462	221369	2.22%	0.254%
202	12.087	12.080	12.104	VV	12098	141688	1.42%	0.162%
203	12.124	12.104	12.138	VV	15343	245639	2.46%	0.281%
204	12.172	12.138	12.191	VV	46746	757813	7.60%	0.868%
205	12.209	12.191	12.225	VV	21860	370052	3.71%	0.424%
206	12.236	12.225	12.265	VV	16705	338381	3.39%	0.388%
207	12.284	12.265	12.363	VV	73275	1209609	12.13%	1.386%
208	12.387	12.363	12.401	VV	8968	151733	1.52%	0.174%
209	12.424	12.401	12.441	VV	20744	322488	3.23%	0.369%
210	12.453	12.441	12.462	VV	12334	136895	1.37%	0.157%
211	12.474	12.462	12.494	VV	14408	217892	2.19%	0.250%
212	12.529	12.494	12.554	VV	16473	406334	4.08%	0.465%
213	12.577	12.554	12.603	VV	85272	1062761	10.66%	1.217%
214	12.619	12.603	12.633	VV	17707	247279	2.48%	0.283%
215	12.641	12.633	12.663	VV	11866	173369	1.74%	0.199%
216	12.693	12.663	12.728	VV	121060	1620510	16.25%	1.856%
217	12.764	12.728	12.789	VV	10305	329991	3.31%	0.378%
218	12.795	12.789	12.803	VV	7550	61370	0.62%	0.070%
219	12.823	12.803	12.841	VV	12067	204037	2.05%	0.234%
220	12.865	12.841	12.897	VV	14932	390387	3.92%	0.447%
221	12.918	12.897	12.958	VV	29776	538621	5.40%	0.617%
222	12.980	12.958	12.993	VV	15139	239835	2.41%	0.275%
223	13.004	12.993	13.022	VV	14934	232558	2.33%	0.266%
224	13.041	13.022	13.071	VV	22595	484013	4.85%	0.554%
225	13.096	13.071	13.123	VV	82295	1134493	11.38%	1.300%
226	13.170	13.123	13.227	VV	48704	1262302	12.66%	1.446%
227	13.245	13.227	13.257	VV	11377	180041	1.81%	0.206%
228	13.277	13.257	13.297	VV	35917	511062	5.13%	0.585%
229	13.314	13.297	13.335	VV	29618	438039	4.39%	0.502%
230	13.347	13.335	13.365	VV	12575	198739	1.99%	0.228%
231	13.376	13.365	13.386	VV	9824	118133	1.18%	0.135%
232	13.400	13.386	13.413	VV	12325	182047	1.83%	0.209%
233	13.441	13.413	13.462	VV	34974	582153	5.84%	0.667%
234	13.481	13.462	13.510	VV	26388	444959	4.46%	0.510%
235	13.530	13.510	13.565	VV	9645	278794	2.80%	0.319%
236	13.570	13.565	13.597	VV	6966	121013	1.21%	0.139%
237	13.629	13.597	13.648	VV	7990	224383	2.25%	0.257%
238	13.660	13.648	13.668	VV	7689	87062	0.87%	0.100%
239	13.678	13.668	13.695	VV	7718	118329	1.19%	0.136%
240	13.707	13.695	13.722	VV	7023	108075	1.08%	0.124%
241	13.758	13.722	13.772	VV	9817	246056	2.47%	0.282%
242	13.787	13.772	13.820	VV	10643	247435	2.48%	0.283%

rteres								
243	13.838	13.820	13.843	VV	10152	121877	1.22%	0.140%
244	13.876	13.843	13.941	VV	21200	831628	8.34%	0.953%
245	13.980	13.941	13.990	VV	18310	405973	4.07%	0.465%
246	14.003	13.990	14.052	VV	19344	515643	5.17%	0.591%
247	14.078	14.052	14.092	VV	20941	370868	3.72%	0.425%
248	14.100	14.092	14.117	VV	17833	229789	2.30%	0.263%
249	14.137	14.117	14.163	VV	28214	518448	5.20%	0.594%
250	14.173	14.163	14.192	VV	12402	196287	1.97%	0.225%
251	14.201	14.192	14.236	VV	11578	271498	2.72%	0.311%
252	14.261	14.236	14.283	VV	12332	295288	2.96%	0.338%
253	14.301	14.283	14.314	VV	12408	205806	2.06%	0.236%
254	14.328	14.314	14.383	VV	12962	385417	3.87%	0.441%
255	14.405	14.383	14.422	VV	17119	274867	2.76%	0.315%
256	14.448	14.422	14.467	VV	63647	862094	8.65%	0.988%
257	14.488	14.467	14.524	VV	64325	1017875	10.21%	1.166%
258	14.543	14.524	14.561	VV	11511	224265	2.25%	0.257%
259	14.574	14.561	14.584	VV	9662	127643	1.28%	0.146%
260	14.608	14.584	14.620	VV	18474	302600	3.04%	0.347%
261	14.634	14.620	14.645	VV	19057	269816	2.71%	0.309%
262	14.652	14.645	14.715	VV	18239	504434	5.06%	0.578%
263	14.728	14.715	14.732	VV	8737	86266	0.87%	0.099%
264	14.763	14.732	14.790	VV	15027	407120	4.08%	0.466%
265	14.807	14.790	14.826	VV	12036	234701	2.35%	0.269%
266	14.835	14.826	14.851	VV	9577	130946	1.31%	0.150%
267	14.919	14.851	14.983	VV	34603	1250095	12.54%	1.432%
268	15.037	14.983	15.053	VV	12810	446024	4.47%	0.511%
269	15.076	15.053	15.097	VV	21958	386297	3.87%	0.442%
270	15.120	15.097	15.141	VV	45921	670217	6.72%	0.768%
271	15.158	15.141	15.185	VV	23861	438370	4.40%	0.502%
272	15.202	15.185	15.214	VV	16100	247761	2.49%	0.284%
273	15.225	15.214	15.236	VV	14060	176101	1.77%	0.202%
274	15.259	15.236	15.267	VV	22699	348357	3.49%	0.399%
275	15.280	15.267	15.332	VV	27427	685449	6.88%	0.785%
276	15.362	15.332	15.384	VV	11956	320027	3.21%	0.367%
277	15.402	15.384	15.428	VV	10403	251925	2.53%	0.289%
278	15.448	15.428	15.470	VV	12918	259163	2.60%	0.297%
279	15.488	15.470	15.505	VV	12168	226421	2.27%	0.259%
280	15.520	15.505	15.540	VV	10834	216808	2.17%	0.248%
281	15.554	15.540	15.600	VV	11597	337350	3.38%	0.386%
282	15.622	15.600	15.642	VV	9349	207763	2.08%	0.238%
283	15.655	15.642	15.672	VV	8488	136108	1.37%	0.156%
284	15.688	15.672	15.695	VV	7703	100789	1.01%	0.115%
285	15.720	15.695	15.743	VV	13544	307346	3.08%	0.352%

					rteres			
286	15.759	15.743	15.779	VV	11359	201406	2.02%	0.231%
287	15.820	15.779	15.851	VV	15440	514620	5.16%	0.589%
288	15.880	15.851	15.896	VV	12847	308842	3.10%	0.354%
289	15.918	15.896	15.952	VV	18017	438625	4.40%	0.502%
290	15.997	15.952	16.018	VV	58767	1029722	10.33%	1.180%
291	16.028	16.018	16.063	VV	24595	423906	4.25%	0.486%
292	16.074	16.063	16.095	VV	8624	159147	1.60%	0.182%
293	16.130	16.095	16.158	VV	21392	503943	5.05%	0.577%
294	16.170	16.158	16.211	VV	11075	280272	2.81%	0.321%
295	16.253	16.211	16.262	VV	7833	207942	2.09%	0.238%
296	16.314	16.262	16.348	VV	43622	841937	8.44%	0.964%
297	16.373	16.348	16.421	VV	55891	942031	9.45%	1.079%
298	16.435	16.421	16.453	VV	8625	152125	1.53%	0.174%
299	16.478	16.453	16.519	VV	15874	442981	4.44%	0.507%
300	16.531	16.519	16.573	VV	10366	290571	2.91%	0.333%
301	16.624	16.573	16.668	VV	14334	616926	6.19%	0.707%
302	16.686	16.668	16.702	VV	10234	182895	1.83%	0.210%
303	16.742	16.702	16.825	VV	19855	902820	9.06%	1.034%
304	16.839	16.825	16.852	VV	7938	116600	1.17%	0.134%
305	16.874	16.852	16.890	VV	16031	269728	2.71%	0.309%
306	16.902	16.890	16.930	VV	11980	216412	2.17%	0.248%
307	16.964	16.930	16.982	VV	12393	282208	2.83%	0.323%
308	16.993	16.982	17.007	VV	8841	120889	1.21%	0.138%
309	17.029	17.007	17.060	VV	17053	366846	3.68%	0.420%
310	17.077	17.060	17.120	VV	10214	280543	2.81%	0.321%
311	17.148	17.120	17.179	VV	9318	257643	2.58%	0.295%
312	17.194	17.179	17.204	VV	5301	79589	0.80%	0.091%
313	17.225	17.204	17.239	VV	6915	131870	1.32%	0.151%
314	17.249	17.239	17.272	VV	6491	112623	1.13%	0.129%
315	17.281	17.272	17.289	VV	5864	57720	0.58%	0.066%
316	17.343	17.289	17.359	VV	10623	339657	3.41%	0.389%
317	17.386	17.359	17.410	VV	9178	247246	2.48%	0.283%
318	17.418	17.410	17.442	VV	6732	122743	1.23%	0.141%
319	17.465	17.442	17.500	VV	9643	267163	2.68%	0.306%
320	17.518	17.500	17.540	VV	8108	175565	1.76%	0.201%
321	17.544	17.540	17.578	VV	7731	159265	1.60%	0.182%
322	17.595	17.578	17.621	VV	7114	155804	1.56%	0.178%
323	17.653	17.621	17.673	VV	12056	238322	2.39%	0.273%
324	17.680	17.673	17.690	VV	6801	65949	0.66%	0.076%
325	17.708	17.690	17.720	VV	8151	126767	1.27%	0.145%
326	17.743	17.720	17.773	VV	36864	626650	6.29%	0.718%
327	17.789	17.773	17.817	VV	11828	245808	2.47%	0.282%
328	17.822	17.817	17.827	VV	7123	42085	0.42%	0.048%
329	17.830	17.827	17.854	VV	7233	98160	0.98%	0.112%

				rt	Area	Area%	Area%
330	17.877	17.854	17.893	VV	12741	209150	2.10% 0.240%
331	17.906	17.893	17.930	VV	11904	190480	1.91% 0.218%
332	17.946	17.930	17.963	VV	6333	106125	1.06% 0.122%
333	17.989	17.963	18.026	VV	27325	446869	4.48% 0.512%
334	18.037	18.026	18.065	VV	4033	87352	0.88% 0.100%
335	18.072	18.065	18.076	VV	3694	23199	0.23% 0.027%
336	18.091	18.076	18.101	VV	4409	60423	0.61% 0.069%
337	18.130	18.101	18.171	VV	13476	301460	3.02% 0.345%
338	18.192	18.171	18.200	VBA	6698	104135	1.04% 0.119%
Sum of corrected areas:						87298863	

Aromatic EPH 111424.M Sat Nov 23 00:19:35 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
Data File : FC067853.D
Signal(s) : FID1A.ch
Acq On : 22 Nov 2024 13:20
Operator : YP/AJ
Sample : P4892-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-310-BOT

A
B
C
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J

Integration File: sample.E
Quant Time: Nov 22 22:22:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.943	5536947	38.144 ug/ml
Spiked Amount 50.000		Recovery =	76.29%

Target Compounds

(f)=RT Delta > 1/2 Window

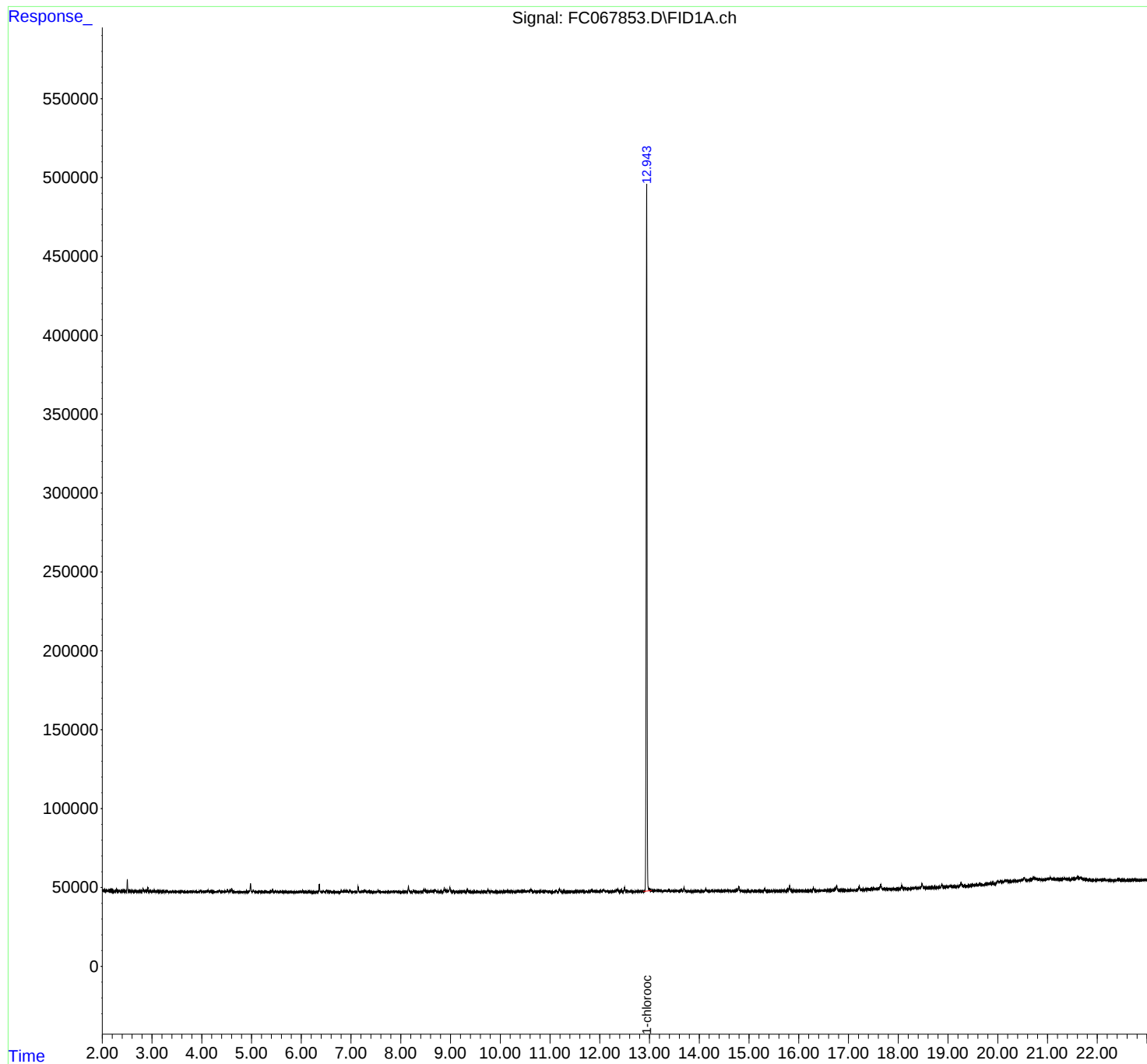
(m)=manual int.

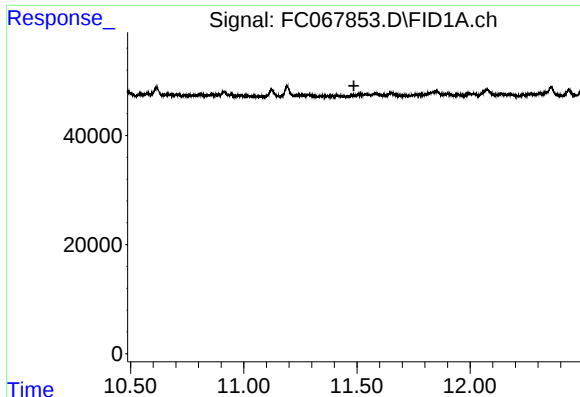
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
Data File : FC067853.D
Signal(s) : FID1A.ch
Acq On : 22 Nov 2024 13:20
Operator : YP/AJ
Sample : P4892-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-310-BOT

Integration File: sample.E
Quant Time: Nov 22 22:22:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 u1
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

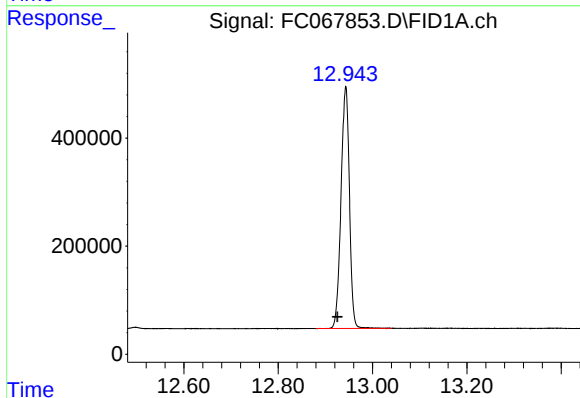




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.486 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
WB-310-BOT



#12 1-chlorooctadecane (SURR)

R.T.: 12.943 min
Delta R.T.: 0.017 min
Response: 5536947
Conc: 38.14 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
 Data File : FC067853.D
 Signal(s) : FID1A.ch
 Acq On : 22 Nov 2024 13:20
 Sample : P4892-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.980	4.865	5.012	BV	5353	70204	1.27%	1.223%
2	6.362	6.307	6.409	BB	4942	49793	0.90%	0.867%
3	7.144	7.107	7.175	BB	3593	40383	0.73%	0.703%
4	8.154	8.127	8.199	BB	3414	43051	0.78%	0.750%
5	12.943	12.880	13.040	BB	450399	5536947	100.00%	96.456%

Sum of corrected areas: 5740376

Aliphatic EPH 111424.M Sat Nov 23 04:04:54 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224AR\
 Data File : FD048804.D
 Signal(s) : FID2B.ch
 Acq On : 22 Nov 2024 13:20
 Operator : YP/AJ
 Sample : P4892-02
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 WB-310-BOT

A
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Integration File: autoint1.e
 Quant Time: Nov 22 23:09:01 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 14:16:25 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.366	8364500	47.510 ug/ml
Spiked Amount 50.000		Recovery =	95.02%
6) S 2-Fluorobiphenyl (SURR)	8.216	5561237	48.287 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	96.57%
11) S ortho-Terphenyl (SURR)	11.253	6462912	33.602 ug/ml
Spiked Amount 50.000		Recovery =	67.20%

Target Compounds

(f)=RT Delta > 1/2 Window

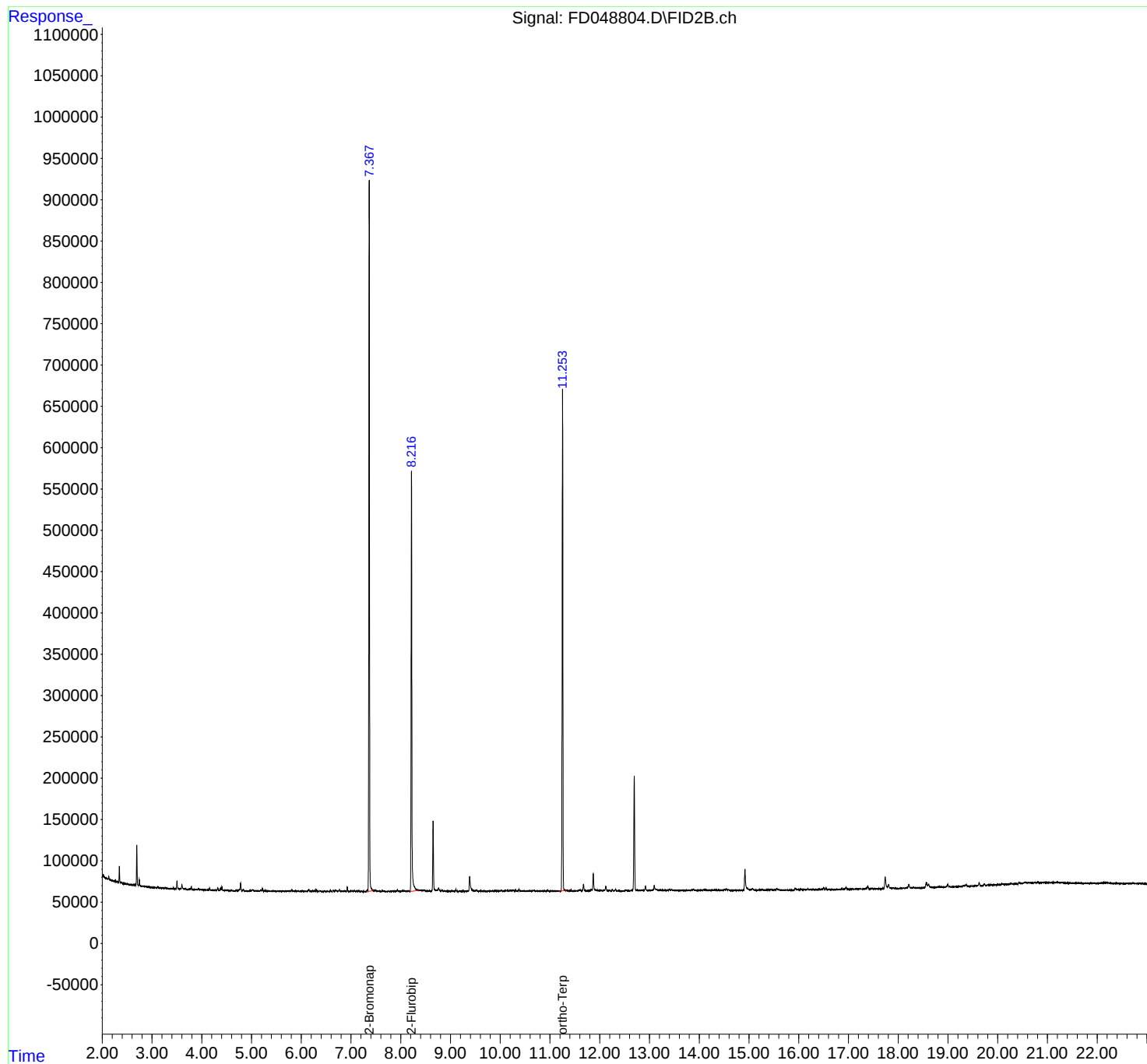
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224AR\
Data File : FD048804.D
Signal(s) : FID2B.ch
Acq On : 22 Nov 2024 13:20
Operator : YP/AJ
Sample : P4892-02
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-310-BOT

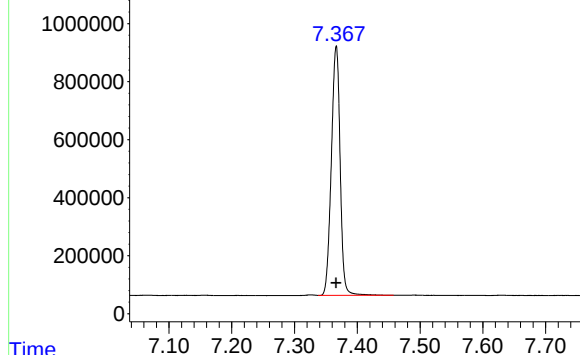
Integration File: autoint1.e
Quant Time: Nov 22 23:09:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: FD048804.D\FID2B.ch

#4 2-Bromonaphthalene (SURR)

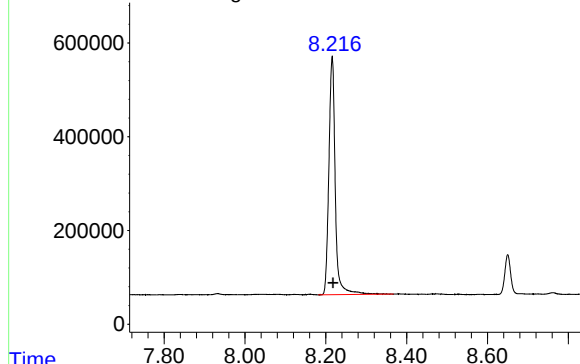


R.T.: 7.366 min
Delta R.T.: 0.000 min
Response: 8364500
Conc: 47.51 ug/ml

Instrument :
FID_D
ClientSampleId :
WB-310-BOT

Signal: FD048804.D\FID2B.ch

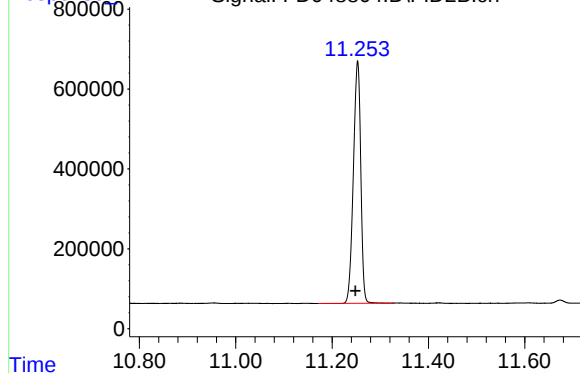
#6 2-Fluorobiphenyl (SURR)



R.T.: 8.216 min
Delta R.T.: -0.003 min
Response: 5561237
Conc: 48.29 ug/ml

Signal: FD048804.D\FID2B.ch

#11 ortho-Terphenyl (SURR)



R.T.: 11.253 min
Delta R.T.: 0.004 min
Response: 6462912
Conc: 33.60 ug/ml

rteres

Area Percent

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224AR\
 Data File : FD048804.D
 Signal(s) : FID2B.ch
 Acq On : 22 Nov 2024 13:20
 Sample : P4892-02
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH
 111424.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	4.780	4.645	4.815	BV	9322	131347	1.57%	0.542%
2	7.366	7.338	7.458	PB	867658	8364500	100.00%	34.507%
3	8.216	8.181	8.368	PV	503693	5561237	66.49%	22.942%
4	8.650	8.601	8.715	BV	84437	850192	10.16%	3.507%
5	9.385	9.363	9.485	PB	17676	289991	3.47%	1.196%
6	11.253	11.171	11.328	BB	611278	6462912	77.27%	26.662%
7	11.674	11.638	11.700	BV	7853	91166	1.09%	0.376%
8	11.869	11.846	11.961	VB	20614	268050	3.20%	1.106%
9	12.694	12.605	12.761	BB	138743	1604779	19.19%	6.620%
10	14.919	14.861	15.038	BB	24749	407439	4.87%	1.681%
11	17.739	17.701	17.788	BV	13628	208475	2.49%	0.860%
Sum of corrected areas:						24240088		

Aromatic EPH 111424.M Sat Nov 23 04:15:44 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112124AL\
Data File : FC067843.D
Signal(s) : FID1A.ch
Acq On : 21 Nov 2024 13:08
Operator : YP/AJ
Sample : P4892-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-310-SW

Integration File: autoint1.e
Quant Time: Nov 22 00:25:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.942	5964500	41.089 ug/ml
Spiked Amount	50.000	Recovery	= 82.18%

Target Compounds

(f)=RT Delta > 1/2 Window

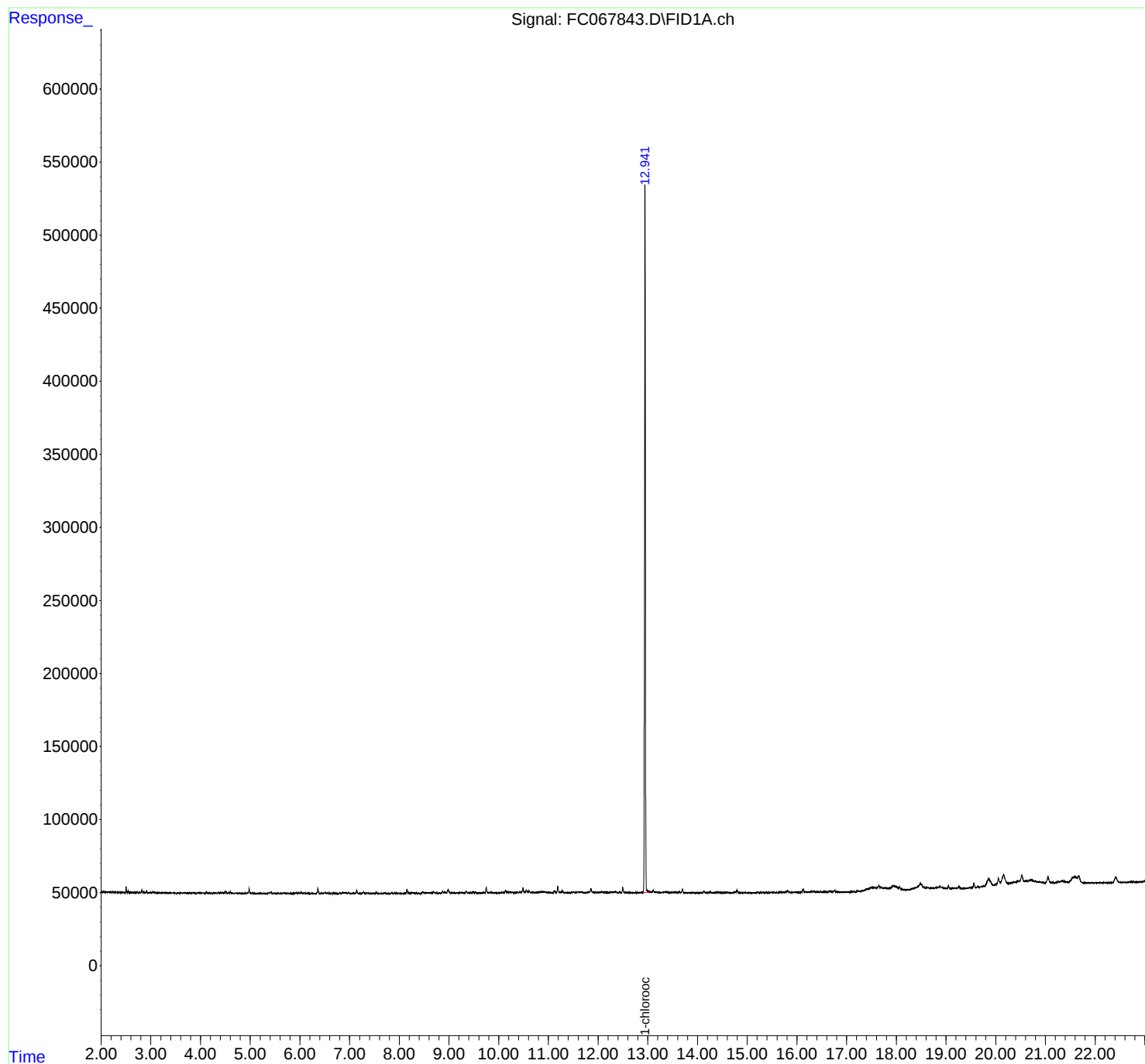
(m)=manual int.

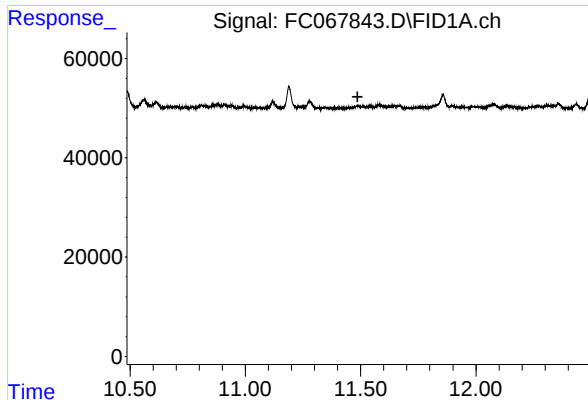
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112124AL\
Data File : FC067843.D
Signal(s) : FID1A.ch
Acq On : 21 Nov 2024 13:08
Operator : YP/AJ
Sample : P4892-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-310-SW

Integration File: autoint1.e
Quant Time: Nov 22 00:25:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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

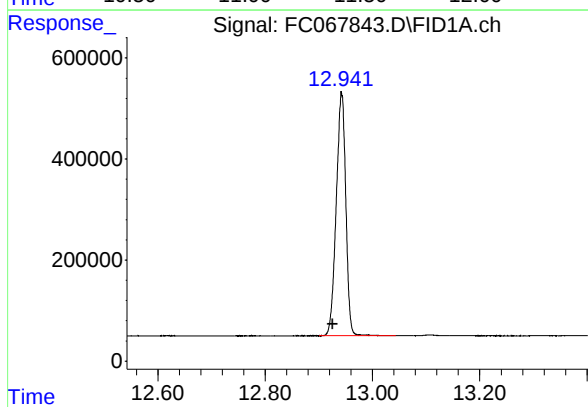




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.486 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
WB-310-SW



#12 1-chlorooctadecane (SURR)

R.T.: 12.942 min
Delta R.T.: 0.017 min
Response: 5964500
Conc: 41.09 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112124AL\
 Data File : FC067843.D
 Signal(s) : FID1A.ch
 Acq On : 21 Nov 2024 13:08
 Sample : P4892-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	6.362	6.309	6.407	BB	3474	36846	0.62%	0.478%
2	9.751	9.632	9.797	BB	3637	50624	0.85%	0.657%
3	10.488	10.322	10.520	BV	3181	69937	1.17%	0.908%
4	11.189	11.162	11.225	BB	4222	54643	0.92%	0.710%
5	12.496	12.467	12.539	BB	3845	50316	0.84%	0.653%
6	12.942	12.900	13.044	BB	483596	5964500	100.00%	77.455%
7	18.483	18.290	18.587	BB	3315	200130	3.36%	2.599%
8	19.849	19.755	19.967	BV	4540	236531	3.97%	3.072%
9	20.053	19.967	20.090	PV	4189	114134	1.91%	1.482%
10	20.157	20.090	20.247	VB	6220	274578	4.60%	3.566%
11	20.526	20.302	20.584	BB	4545	143588	2.41%	1.865%
12	21.051	20.984	21.115	BB	3718	91411	1.53%	1.187%
13	21.578	21.450	21.629	BV	3955	243899	4.09%	3.167%
14	21.671	21.629	21.745	VB	4473	169414	2.84%	2.200%
Sum of corrected areas:						7700551		

Aliphatic EPH 111424.M Fri Nov 22 03:58:36 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112124AR\
 Data File : FD048794.D
 Signal(s) : FID2B.ch
 Acq On : 21 Nov 2024 13:08
 Operator : YP/AJ
 Sample : P4892-04
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 WB-310-SW

Integration File: autoint1.e
 Quant Time: Nov 22 00:51:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 14:16:25 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.367	8435681	47.914 ug/ml
Spiked Amount 50.000		Recovery =	95.83%
6) S 2-Fluorobiphenyl (SURR)	8.216	5633975	48.919 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	97.84%
11) S ortho-Terphenyl (SURR)	11.255	8871010	46.123 ug/ml
Spiked Amount 50.000		Recovery =	92.25%

Target Compounds

(f)=RT Delta > 1/2 Window

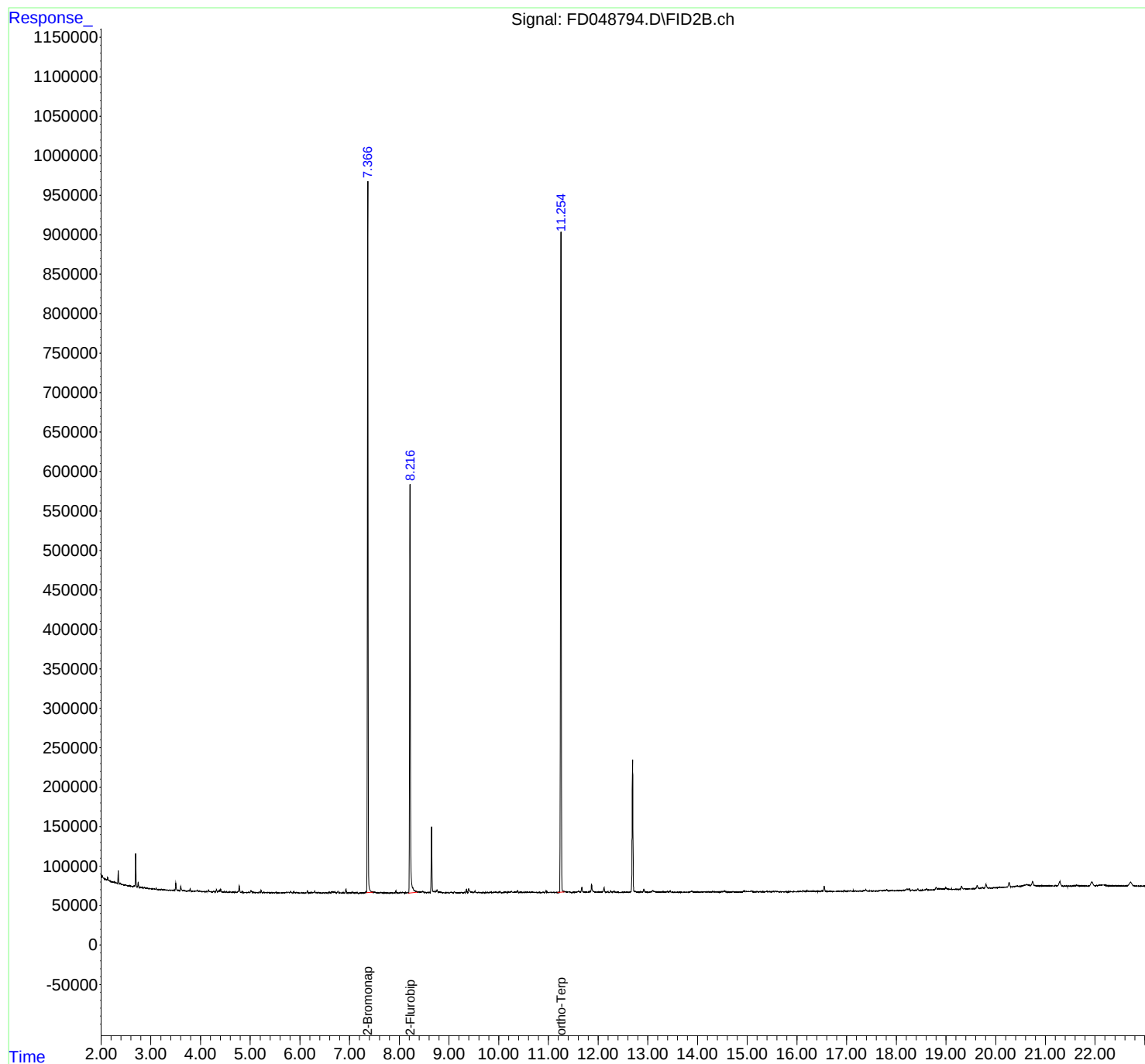
(m)=manual int.

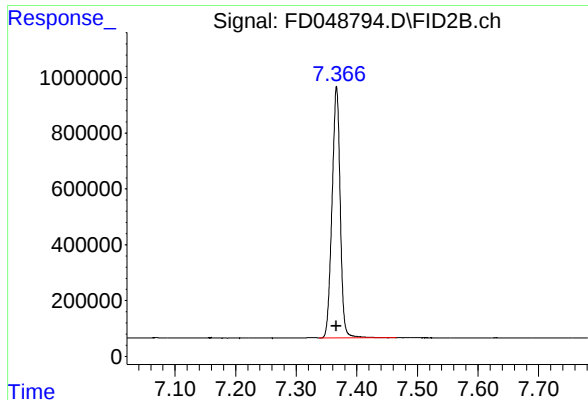
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112124AR\
Data File : FD048794.D
Signal(s) : FID2B.ch
Acq On : 21 Nov 2024 13:08
Operator : YP/AJ
Sample : P4892-04
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-310-SW

Integration File: autoint1.e
Quant Time: Nov 22 00:51:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

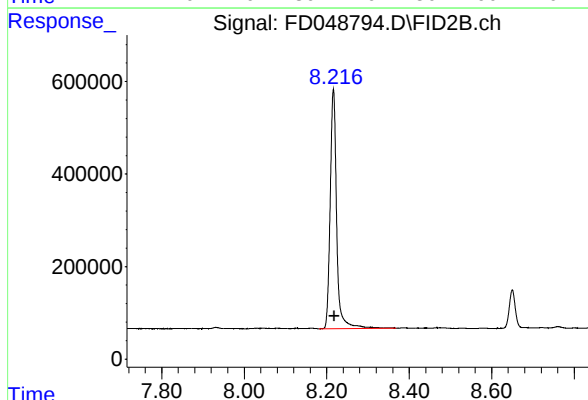




#4 2-Bromonaphthalene (SURR)

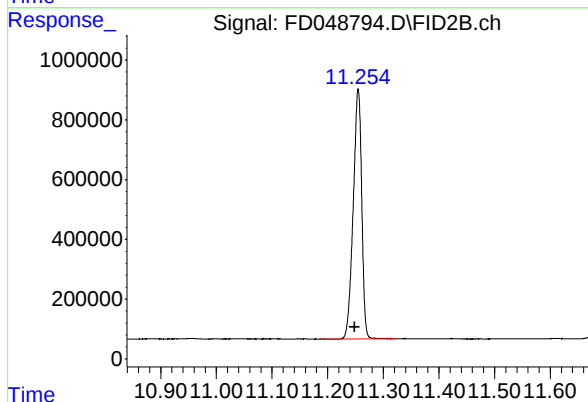
R.T.: 7.367 min
Delta R.T.: 0.000 min
Response: 8435681
Conc: 47.91 ug/ml

Instrument :
FID_D
ClientSampleId :
WB-310-SW



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.216 min
Delta R.T.: -0.002 min
Response: 5633975
Conc: 48.92 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.255 min
Delta R.T.: 0.006 min
Response: 8871010
Conc: 46.12 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112124AR\
 Data File : FD048794.D
 Signal(s) : FID2B.ch
 Acq On : 21 Nov 2024 13:08
 Sample : P4892-04
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.780	4.711	4.815	BV	8367	106190	1.20%	0.409%
2	7.367	7.338	7.465	VB	902404	8435681	95.09%	32.468%
3	8.216	8.181	8.368	PV	518067	5633975	63.51%	21.684%
4	8.650	8.601	8.695	BV	82643	829410	9.35%	3.192%
5	11.255	11.185	11.323	BV	837902	8871010	100.00%	34.143%
6	11.870	11.848	11.938	VB	10221	134622	1.52%	0.518%
7	12.694	12.601	12.727	BV	168177	1970742	22.22%	7.585%
Sum of corrected areas:						25981630		

Aromatic EPH 111424.M Fri Nov 22 04:10:22 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112124AL\
Data File : FC067840.D
Signal(s) : FID1A.ch
Acq On : 21 Nov 2024 11:16
Operator : YP/AJ
Sample : PB165151BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB165151BL

Integration File: autoint1.e
Quant Time: Nov 22 00:24:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.942	5095095	35.100 ug/ml
Spiked Amount	50.000	Recovery	= 70.20%

Target Compounds

(f)=RT Delta > 1/2 Window

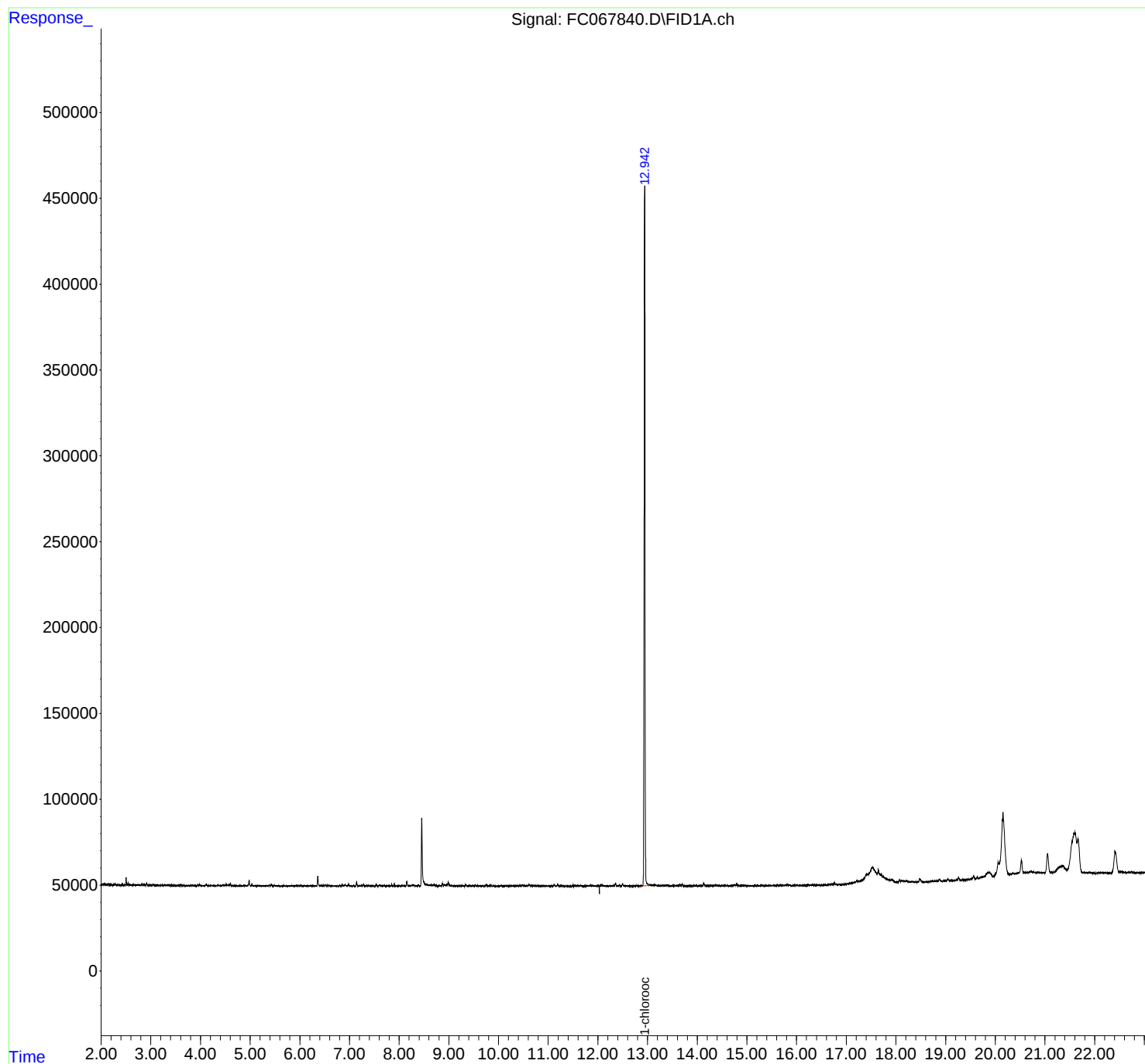
(m)=manual int.

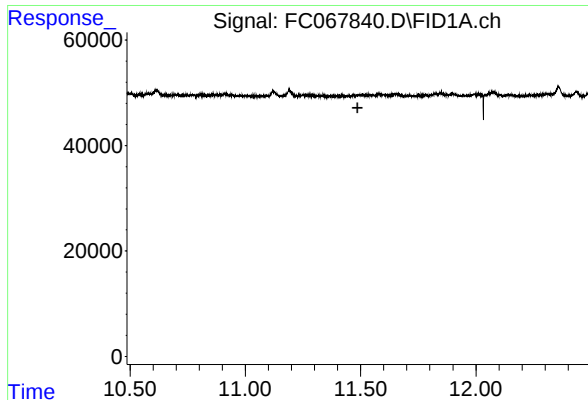
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112124AL\
Data File : FC067840.D
Signal(s) : FID1A.ch
Acq On : 21 Nov 2024 11:16
Operator : YP/AJ
Sample : PB165151BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB165151BL

Integration File: autoint1.e
Quant Time: Nov 22 00:24:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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

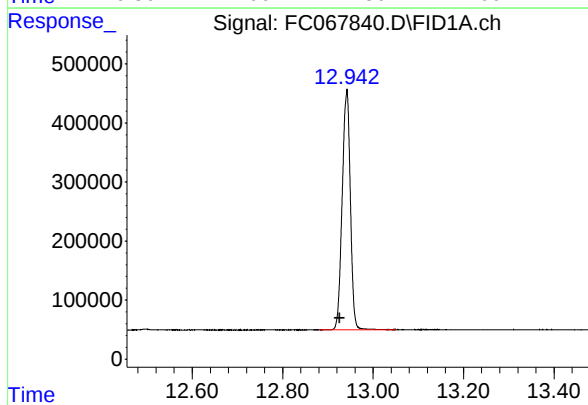




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.486 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB165151BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.942 min
Delta R.T.: 0.016 min
Response: 5095095
Conc: 35.10 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112124AL\
 Data File : FC067840.D
 Signal(s) : FID1A.ch
 Acq On : 21 Nov 2024 11:16
 Sample : PB165151BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	12.942	12.880	13.050	BB	406499	5095095	100.00%	100.000%
Sum of corrected areas:						5095095		

Aliphatic EPH 111424.M Fri Nov 22 01:18:03 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112124AR\
 Data File : FD048791.D
 Signal(s) : FID2B.ch
 Acq On : 21 Nov 2024 11:16
 Operator : YP/AJ
 Sample : PB165151BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB165151BL

Integration File: autoint1.e
 Quant Time: Nov 22 00:50:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 14:16:25 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.368	11279380	64.066 ug/ml
Spiked Amount 50.000		Recovery =	128.13%
6) S 2-Fluorobiphenyl (SURR)	8.217	6755816	58.659 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	117.32%
11) S ortho-Terphenyl (SURR)	11.256	11233199	58.404 ug/ml
Spiked Amount 50.000		Recovery =	116.81%

Target Compounds

(f)=RT Delta > 1/2 Window

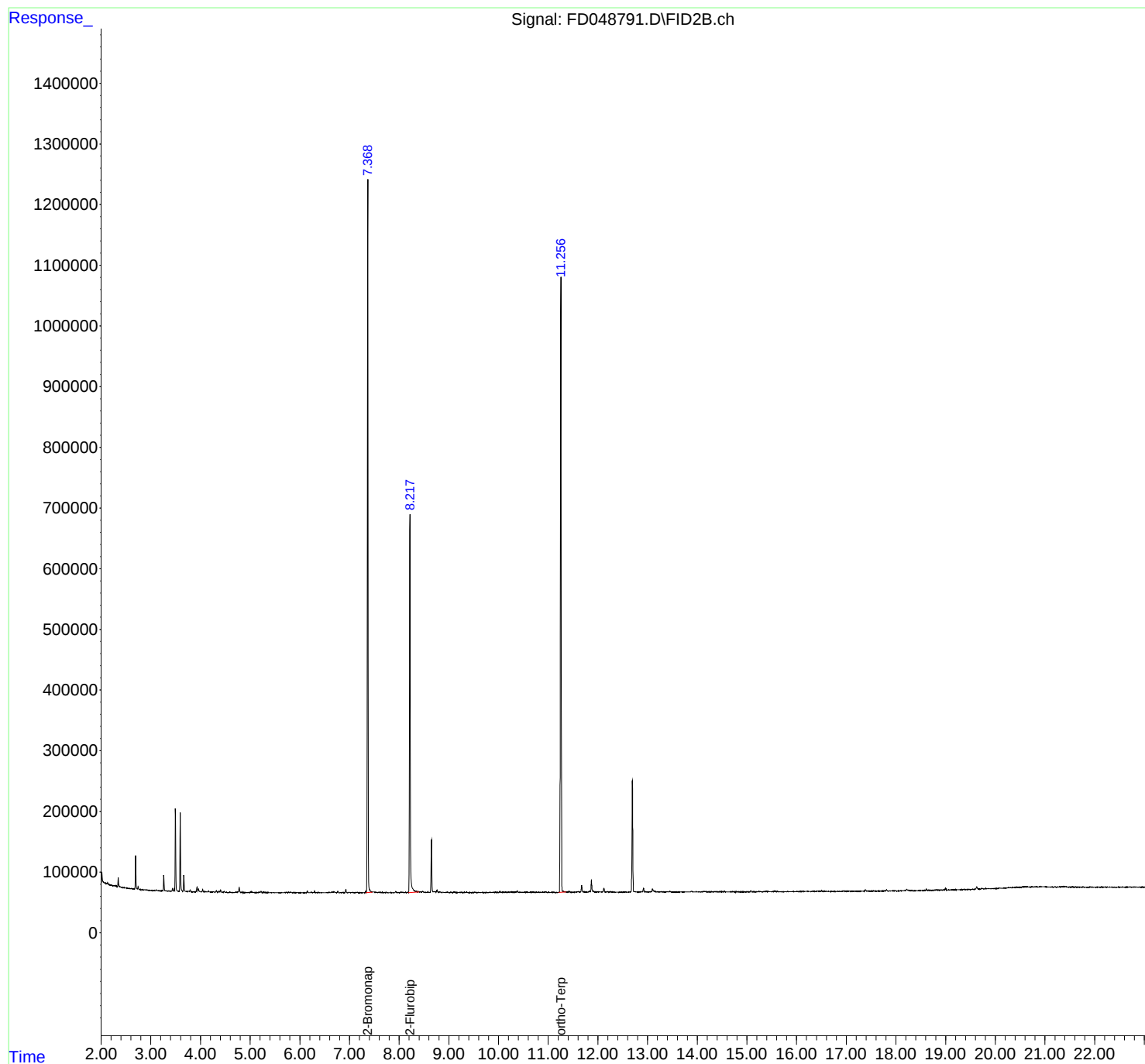
(m)=manual int.

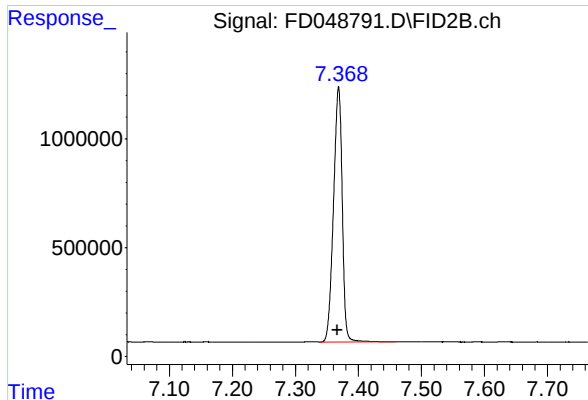
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112124AR\
Data File : FD048791.D
Signal(s) : FID2B.ch
Acq On : 21 Nov 2024 11:16
Operator : YP/AJ
Sample : PB165151BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB165151BL

Integration File: autoint1.e
Quant Time: Nov 22 00:50:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

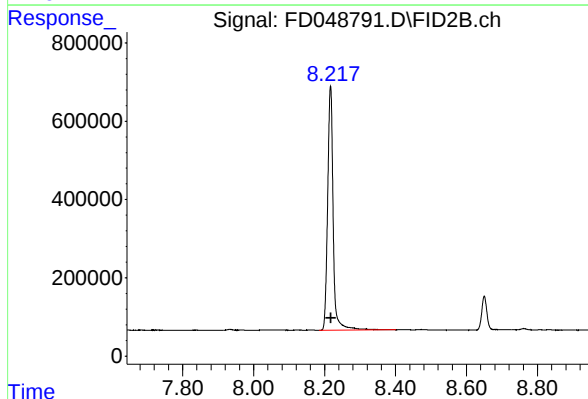




#4 2-Bromonaphthalene (SURR)

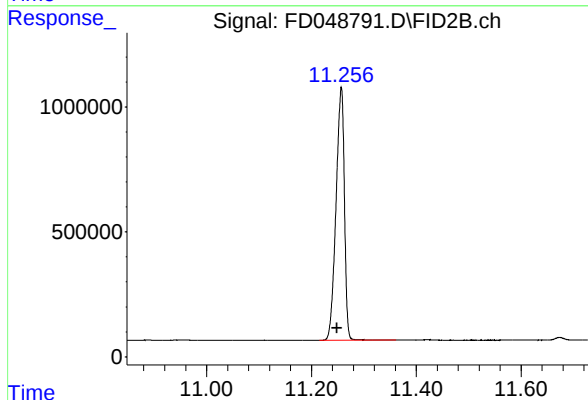
R.T.: 7.368 min
Delta R.T.: 0.002 min
Response: 11279380
Conc: 64.07 ug/ml

Instrument :
FID_D
ClientSampleId :
PB165151BL



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.217 min
Delta R.T.: -0.002 min
Response: 6755816
Conc: 58.66 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.256 min
Delta R.T.: 0.008 min
Response: 11233199
Conc: 58.40 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112124AR\
 Data File : FD048791.D
 Signal(s) : FID2B.ch
 Acq On : 21 Nov 2024 11:16
 Sample : PB165151BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	7.368	7.337	7.459	PB	1168418	11279380	100.00%	38.538%
2	8.217	8.185	8.401	PV	630262	6755816	59.90%	23.082%
3	11.256	11.215	11.361	BB	1030850	11233199	99.59%	38.380%
Sum of corrected areas:						29268395		

Aromatic EPH 111424.M Fri Nov 22 01:36:17 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
Data File : FC067849.D
Signal(s) : FID1A.ch
Acq On : 22 Nov 2024 10:55
Operator : YP/AJ
Sample : PB165188BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB165188BL

A
B
C
D
E
F
G
H
I
J

Integration File: sample.E
Quant Time: Nov 22 22:20:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.942	5125398	35.308 ug/ml
Spiked Amount 50.000		Recovery =	70.62%

Target Compounds

(f)=RT Delta > 1/2 Window

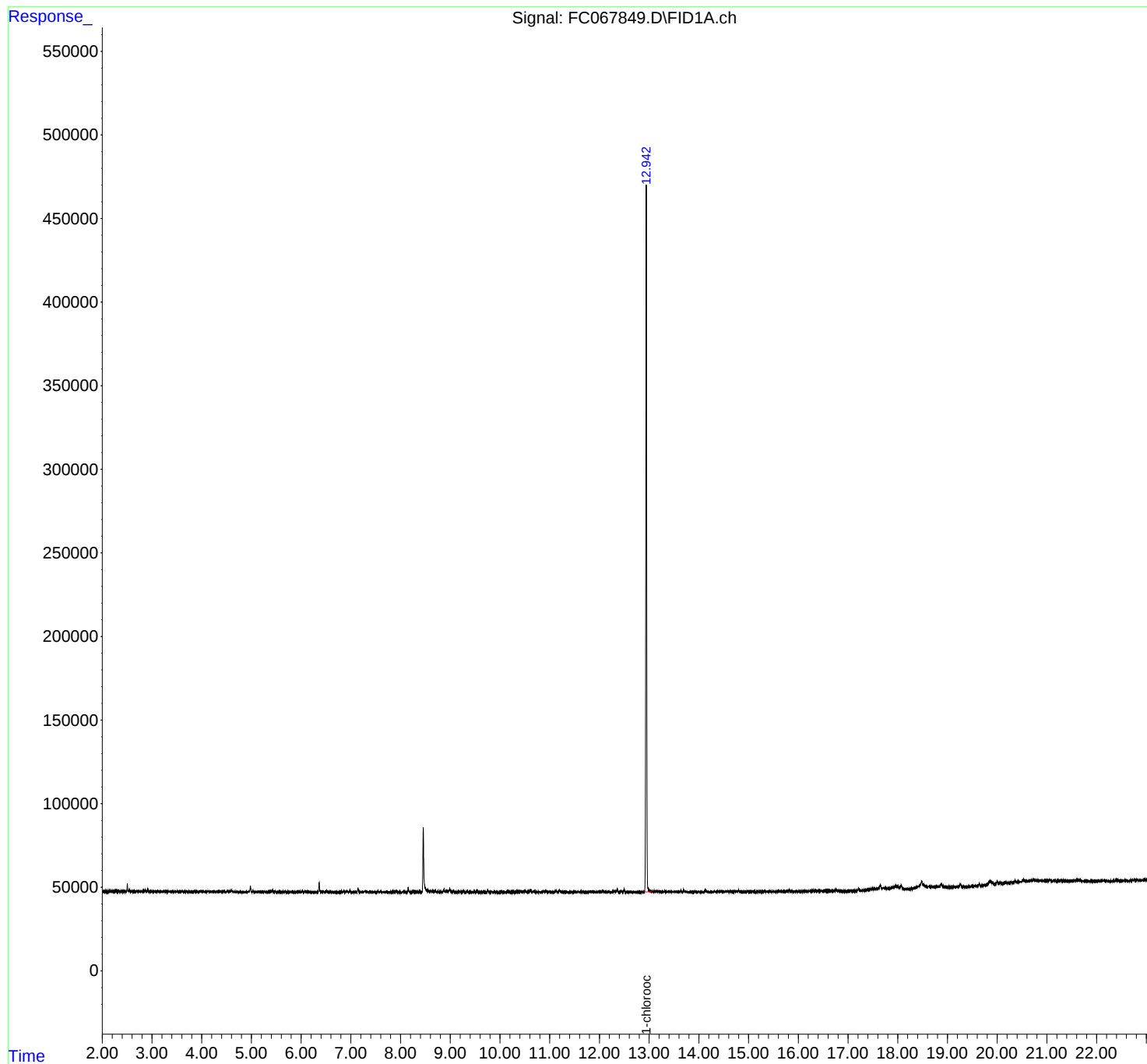
(m)=manual int.

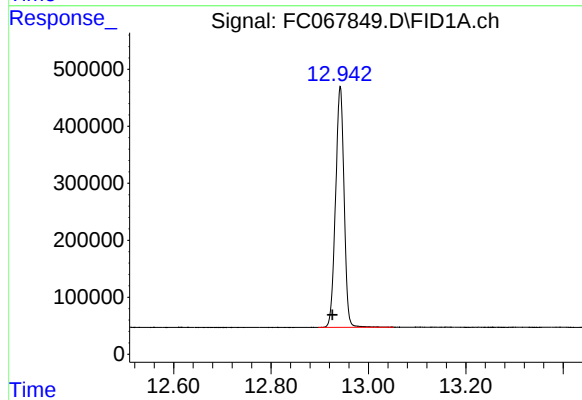
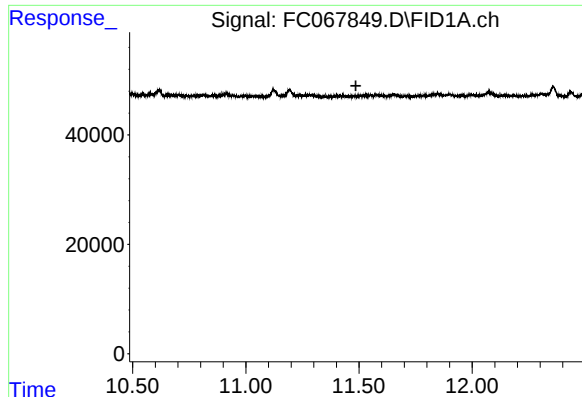
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
Data File : FC067849.D
Signal(s) : FID1A.ch
Acq On : 22 Nov 2024 10:55
Operator : YP/AJ
Sample : PB165188BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB165188BL

Integration File: sample.E
Quant Time: Nov 22 22:20:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
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 :
PB165188BL

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
 Data File : FC067849.D
 Signal(s) : FID1A.ch
 Acq On : 22 Nov 2024 10:55
 Sample : PB165188BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	12.942	12.897	13.052	BB	422636	5125398	100.00%	100.000%
Sum of corrected areas:						5125398		

Aliphatic EPH 111424.M Fri Nov 22 23:53:40 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224AR\
 Data File : FD048800.D
 Signal(s) : FID2B.ch
 Acq On : 22 Nov 2024 10:55
 Operator : YP/AJ
 Sample : PB165188BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB165188BL

A
B
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J

Integration File: autoint1.e
 Quant Time: Nov 22 23:07:28 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 14:16:25 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.368	11176340	63.481 ug/ml
Spiked Amount 50.000		Recovery =	126.96%
6) S 2-Fluorobiphenyl (SURR)	8.217	6668678	57.903 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	115.81%
11) S ortho-Terphenyl (SURR)	11.257	11010543	57.246 ug/ml
Spiked Amount 50.000		Recovery =	114.49%

Target Compounds

(f)=RT Delta > 1/2 Window

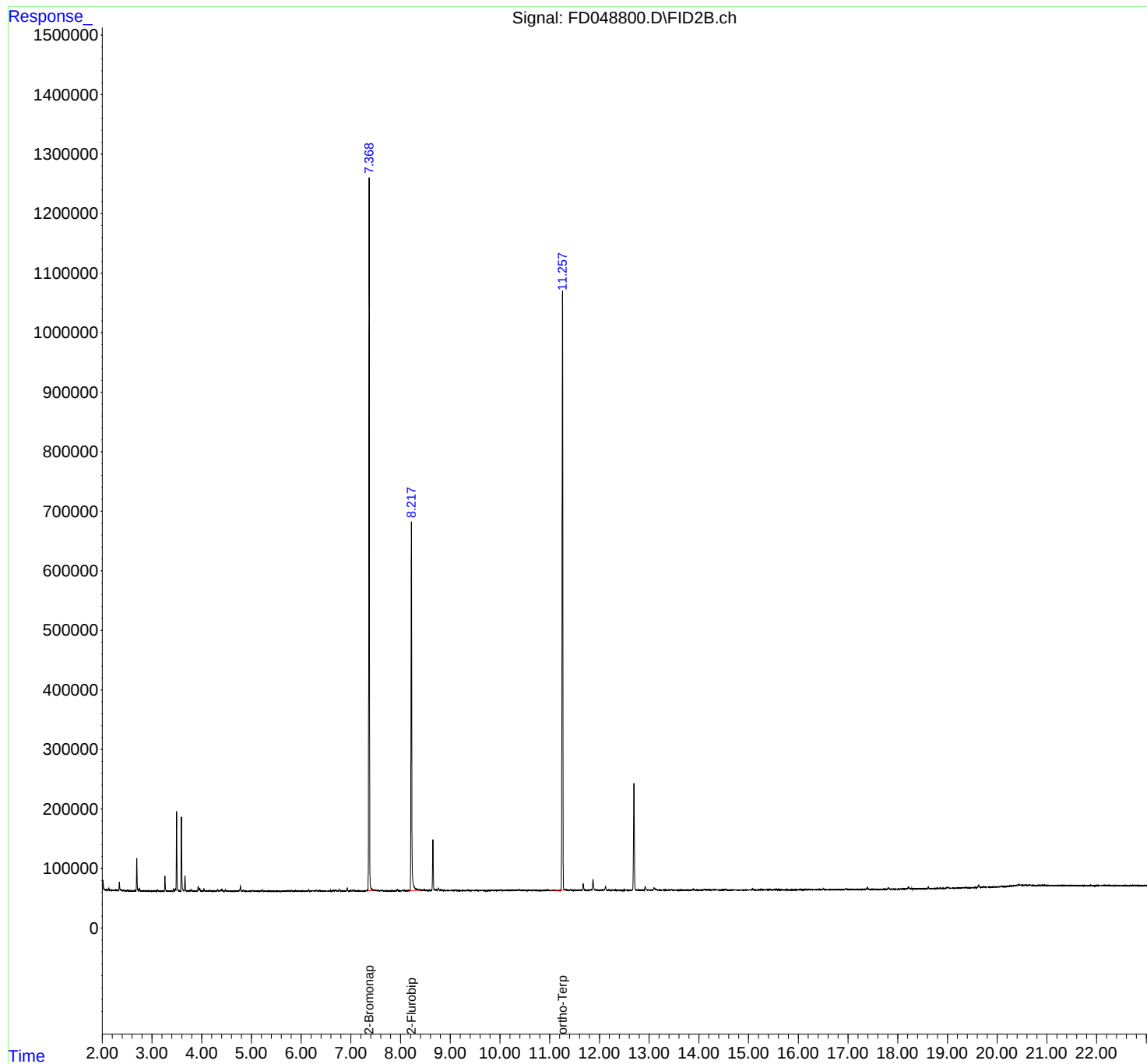
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224AR\
Data File : FD048800.D
Signal(s) : FID2B.ch
Acq On : 22 Nov 2024 10:55
Operator : YP/AJ
Sample : PB165188BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB165188BL

Integration File: autoint1.e
Quant Time: Nov 22 23:07:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 2024
Response via : Initial Calibration
Integrator: ChemStation

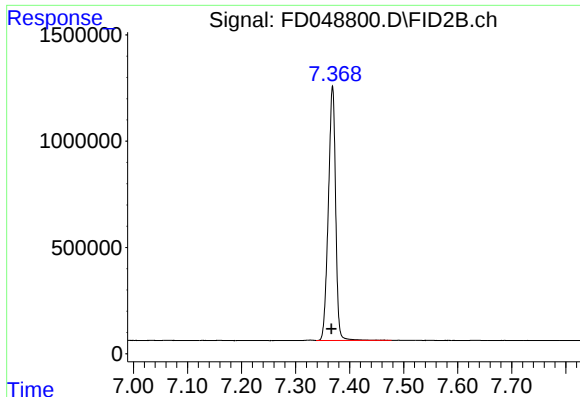
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



#4 2-Bromonaphthalene (SURR)

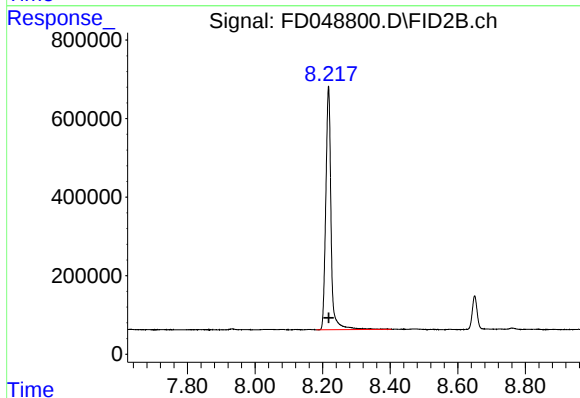
R.T.: 7.368 min
Delta R.T.: 0.002 min
Response: 11176340
Conc: 63.48 ug/ml

Instrument :
FID_D
ClientSampleId :
PB165188BL



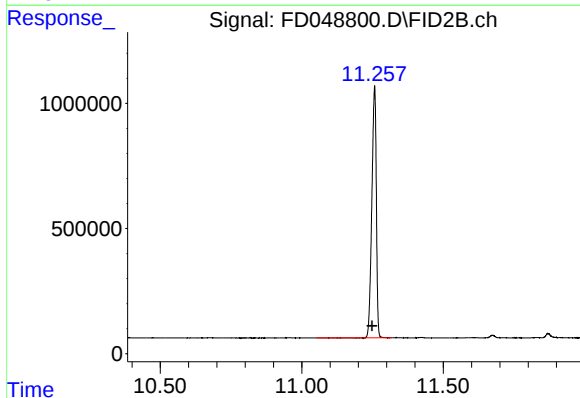
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.217 min
Delta R.T.: -0.001 min
Response: 6668678
Conc: 57.90 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.257 min
Delta R.T.: 0.008 min
Response: 11010543
Conc: 57.25 ug/ml



rteres

Area Percent

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224AR\
 Data File : FD048800.D
 Signal(s) : FID2B.ch
 Acq On : 22 Nov 2024 10:55
 Sample : PB165188BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH
 111424.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	7.368	7.338	7.478	PB	1192962	11176340	100.00%	38.732%
2	8.217	8.181	8.404	PB	621059	6668678	59.67%	23.111%
3	11.257	11.051	11.318	BB	1010659	11010543	98.52%	38.157%
Sum of corrected areas:						28855561		

Aromatic EPH 111424.M Sat Nov 23 00:11:57 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112124AL\
 Data File : FC067841.D
 Signal(s) : FID1A.ch
 Acq On : 21 Nov 2024 11:53
 Operator : YP/AJ
 Sample : PB165151BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB165151BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :Ankita Jodhani 11/22/2024

Integration File: autoint1.e

Quant Time: Nov 22 00:24:20 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M

Quant Title : GC Extractables

QLast Update : Thu Nov 14 14:13:15 2024

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.942	5017940	34.568 ug/ml
Spiked Amount 50.000		Recovery =	69.14%
Target Compounds			
1) T n-Nonane (C9)	3.287	3553098	21.783 ug/ml
2) T n-Decane (C10)	4.350	4550511	27.440 ug/ml
4) T n-Dodecane (C12)	6.364	5502131	32.668 ug/ml
6) T n-Tetradecane (C14)	8.155	5973400	35.668 ug/ml
7) T n-Hexadecane (C16)	9.754	6280293	36.240 ug/ml
8) T n-Octadecane (C18)	11.193	6636498	37.720 ug/ml
10) T n-Eicosane (C20)	12.502	7051543	41.877 ug/ml
11) T n-Heneicosane (C21)	13.112	6804928	41.358 ug/ml
13) T n-Docosane (C22)	13.697	6724464	41.292 ug/ml
14) T n-Tetracosane (C24)	14.798	6459456	40.275 ug/mlm
15) T n-Hexacosane (C26)	15.817	6252970	40.378 ug/ml
16) T n-Octacosane (C28)	16.765	6076862	40.238 ug/ml
17) T n-Tricontane (C30)	17.651	6033430	39.406 ug/ml
18) T n-Dotriacontane (C32)	18.481	5806977	39.318 ug/ml
19) T n-Tetratriacontane (C34)	19.264	5602279	44.417 ug/ml
20) T n-Hexatriacontane (C36)	20.003	5366761	51.314 ug/ml
21) T n-Octatriacontane (C38)	20.726	5246425	53.708 ug/ml
22) T n-Tetracontane (C40)	21.614	5140177	52.738 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112124AL\
Data File : FC067841.D
Signal(s) : FID1A.ch
Acq On : 21 Nov 2024 11:53
Operator : YP/AJ
Sample : PB165151BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB165151BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :Ankita Jodhani 11/22/2024

Integration File: autoint1.e

Quant Time: Nov 22 00:24:20 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M

Quant Title : GC Extractables

Qlast Update : Thu Nov 14 14:13:15 2024

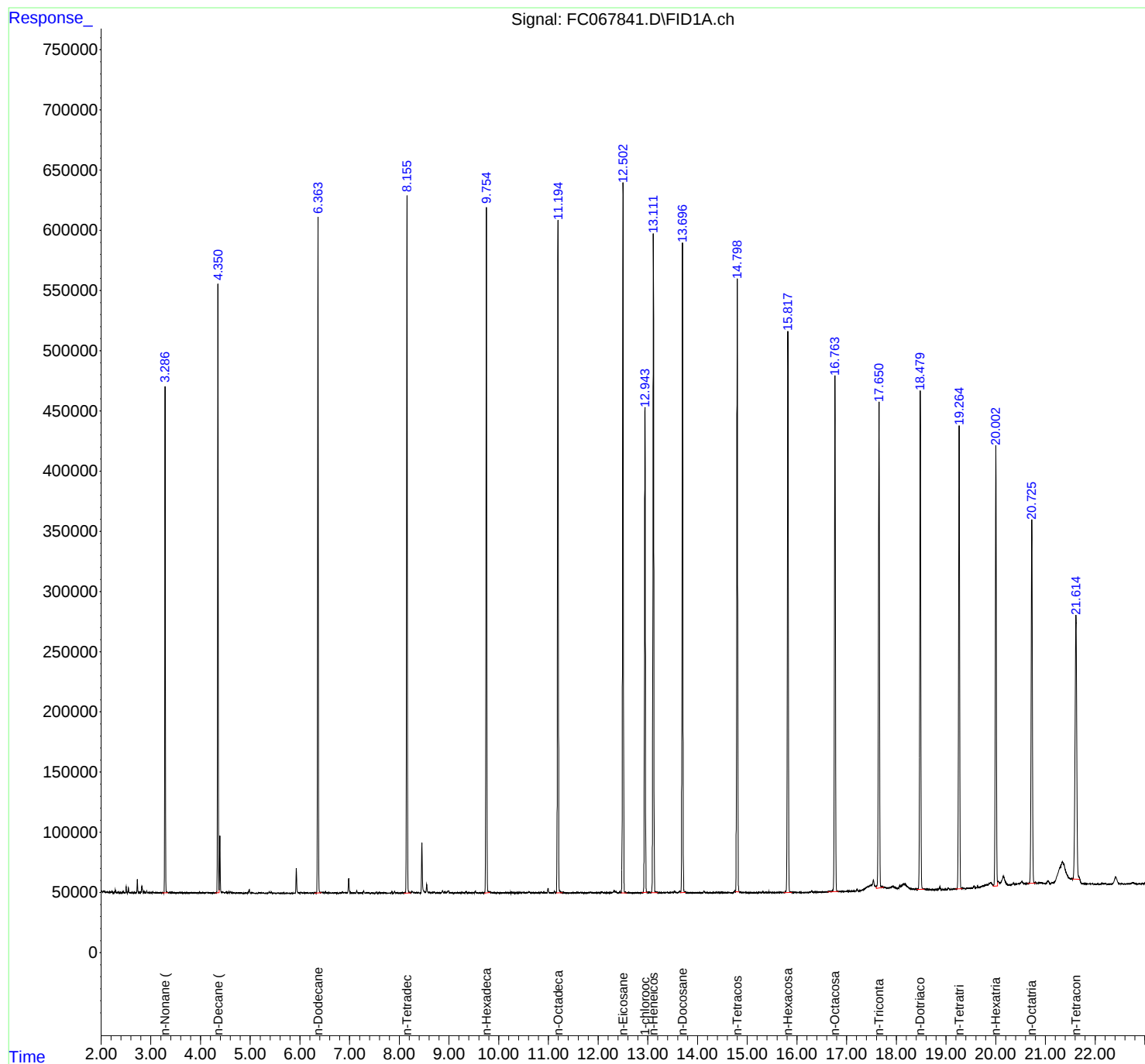
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



rteres

Instrument :

FID_C

ClientSampleId :

PB165151BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :Ankita Jodhani 11/22/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC11212

Data File : FC067841.D

Signal(s) : FID1A.ch

Acq On : 21 Nov 2024 11:53

Sample : PB165151BS

Misc :

ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	3.287	3.235	3.349	BB	419741	3553098	50.39%	3.215%
2	4.350	4.295	4.373	BV	505064	4550511	64.53%	4.117%
3	6.364	6.297	6.432	BV	560709	5502131	78.03%	4.978%
4	8.155	8.092	8.227	BV	578240	5973400	84.71%	5.405%
5	9.754	9.705	9.829	BB	566802	6280293	89.06%	5.683%
6	11.193	11.152	11.289	BB	559735	6636498	94.11%	6.005%
7	12.502	12.460	12.574	PB	591048	7051543	100.00%	6.380%
8	12.942	12.884	12.999	BB	402573	5017940	71.16%	4.540%
9	13.112	13.070	13.199	BB	545770	6804928	96.50%	6.157%
10	13.697	13.659	13.762	VB	539790	6724464	95.36%	6.084%
11	14.798	14.705	14.870	BB	508107	6509842	92.32%	5.890%
12	15.817	15.732	15.902	BB	463234	6252970	88.68%	5.658%
13	16.765	16.617	16.842	BB	424661	6076862	86.18%	5.498%
14	17.651	17.597	17.744	VB	401757	6033430	85.56%	5.459%
15	18.481	18.404	18.565	BB	409593	5806977	82.35%	5.254%
16	19.264	19.189	19.325	BB	381089	5602279	79.45%	5.069%
17	20.003	19.952	20.039	VV	365070	5366761	76.11%	4.856%
18	20.726	20.640	20.809	BB	300097	5246425	74.40%	4.747%
19	21.614	21.542	21.777	VB	220857	5528989	78.41%	5.003%

Sum of corrected areas: 110519340

Aliphatic EPH 111424.M Fri Nov 22 01:19:14 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112124AR\
 Data File : FD048792.D
 Signal(s) : FID2B.ch
 Acq On : 21 Nov 2024 11:53
 Operator : YP/AJ
 Sample : PB165151BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB165151BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024

Integration File: autoint1.e

Quant Time: Nov 22 00:50:28 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M

Quant Title : GC Extractables

QLast Update : Thu Nov 14 14:16:25 2024

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.367	9475305	53.819 ug/ml
Spiked Amount 50.000		Recovery =	107.64%
6) S 2-Fluorobiphenyl (SURR)	8.217	5662551	49.167 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	98.33%
11) S ortho-Terphenyl (SURR)	11.255	8905805	46.303 ug/ml
Spiked Amount 50.000		Recovery =	92.61%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.190	7850322	41.655 ug/ml
2) T Naphthalene (C11.7)	5.707	9430412	48.219 ug/ml
3) T 2-Methylnaphthalene (...)	6.754	9255569	48.432 ug/ml
5) T Acenaphthylene (C15.06)	8.021	10627295	54.801 ug/ml
7) T Acenaphthene (C15.5)	8.317	11029723	57.343 ug/ml
8) T Fluorene (C16.55)	9.096	10871525	56.666 ug/ml
9) T Phenanthrene (C19.36)	10.485	10651439	58.108 ug/mlm
10) T Anthracene (C19.43)	10.561	10711321	57.197 ug/ml
12) T Fluoranthene (C21.85)	12.291	10678652	58.314 ug/mlm
13) T Pyrene (C20.8)	12.584	10645226	58.881 ug/ml
14) T Benzo[a]anthracene (C...	14.455	10042404	61.047 ug/ml
15) T Chrysene (C27.41)	14.498	9879334	56.449 ug/ml
16) T benzo[b]fluoranthene ...	16.003	9600114	61.101 ug/ml
17) T Bnezo[k]fluoranthene ...	16.039	9465142	57.998 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.380	9059847	60.765 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.748	8925743	72.256 ug/ml
20) T Dibenz[a,h]anthracene...	17.785	8426796	53.738 ug/ml
21) T Benzo[g,h,i]perylene ...	18.000	8570276	60.064 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112124AR\
Data File : FD048792.D
Signal(s) : FID2B.ch
Acq On : 21 Nov 2024 11:53
Operator : YP/AJ
Sample : PB165151BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB165151BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024

Integration File: autoint1.e

Quant Time: Nov 22 00:50:28 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M

Quant Title : GC Extractables

QLast Update : Thu Nov 14 14:16:25 2024

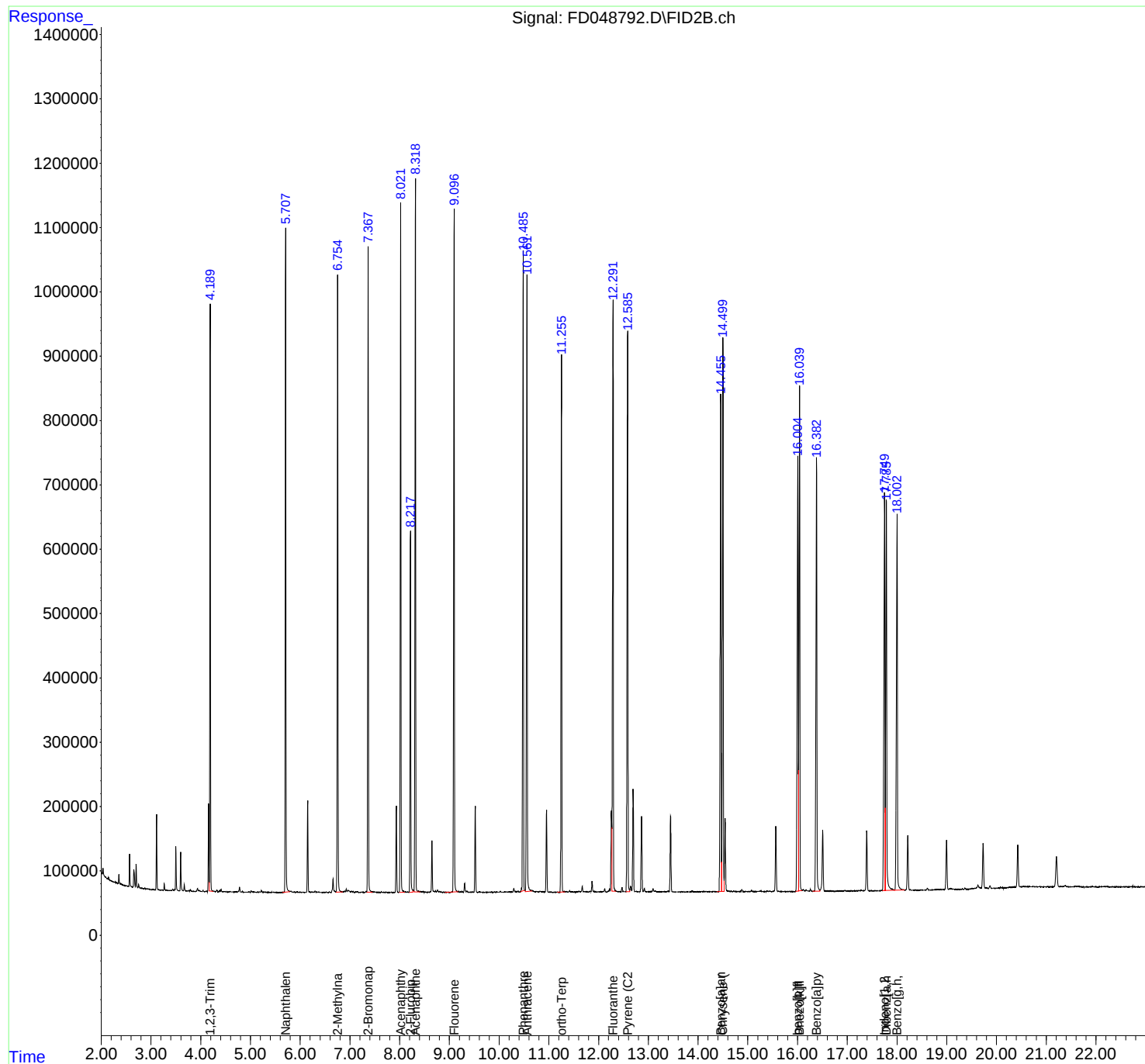
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rteres

Instrument :

FID_D

ClientSampleId :

PB165151BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11212

Data File : FD048792.D

Signal(s) : FID2B.ch

Acq On : 21 Nov 2024 11:53

Sample : PB165151BS

Misc :

ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.190	4.171	4.252	VV	909231	7850322	64.55%	3.899%
2	5.707	5.641	5.796	BV	1038584	9430412	77.54%	4.684%
3	6.754	6.717	6.858	VB	964469	9255569	76.10%	4.597%
4	7.367	7.337	7.455	VB	1011820	9475305	77.91%	4.706%
5	8.021	7.991	8.107	BV	1073035	10627295	87.38%	5.278%
6	8.217	8.151	8.288	BV	561922	5672029	46.64%	2.817%
7	8.317	8.288	8.408	VB	1114850	11029723	90.69%	5.478%
8	9.096	8.908	9.178	BB	1038499	10871525	89.39%	5.400%
9	10.485	10.408	10.524	PV	992921	10735536	88.27%	5.332%
10	10.561	10.524	10.665	VV	964578	10711321	88.07%	5.320%
11	11.255	11.168	11.325	BV	835076	8905805	73.23%	4.423%
12	12.291	12.231	12.411	VB	923587	12161932	100.00%	6.040%
13	12.584	12.545	12.624	BV	871929	10645226	87.53%	5.287%
14	14.455	14.378	14.473	BV	771944	10042404	82.57%	4.988%
15	14.498	14.473	14.522	VV	853063	9879334	81.23%	4.907%
16	16.003	15.961	16.018	BV	683863	9600114	78.94%	4.768%
17	16.039	16.018	16.097	VV	770202	9465142	77.83%	4.701%
18	16.380	16.301	16.451	BV	676450	9059847	74.49%	4.500%
19	17.748	17.701	17.763	BV	608148	8925743	73.39%	4.433%
20	17.785	17.763	17.951	VV	605880	8426796	69.29%	4.185%
21	18.000	17.951	18.158	VV	584669	8570276	70.47%	4.257%
Sum of corrected areas:						201341656		

Aromatic EPH 111424.M Fri Nov 22 01:40:38 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
 Data File : FC067850.D
 Signal(s) : FID1A.ch
 Acq On : 22 Nov 2024 11:32
 Operator : YP/AJ
 Sample : PB165188BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB165188BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2024

Supervised By :Ankita Jodhani 11/25/2024

Integration File: sample.E

Quant Time: Nov 22 22:21:05 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M

Quant Title : GC Extractables

Qlast Update : Thu Nov 14 14:13:15 2024

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.943	5112489	35.219 ug/ml
Spiked Amount 50.000		Recovery =	70.44%
Target Compounds			
1) T n-Nonane (C9)	3.288	3763877	23.075 ug/ml
2) T n-Decane (C10)	4.350	4828464	29.117 ug/ml
4) T n-Dodecane (C12)	6.364	5857295	34.776 ug/ml
6) T n-Tetradecane (C14)	8.156	6349870	37.916 ug/ml
7) T n-Hexadecane (C16)	9.754	6645242	38.346 ug/ml
8) T n-Octadecane (C18)	11.193	6923639	39.352 ug/ml
10) T n-Eicosane (C20)	12.501	7246643	43.036 ug/ml
11) T n-Heneicosane (C21)	13.112	6936142	42.155 ug/ml
13) T n-Docosane (C22)	13.697	6833014	41.958 ug/ml
14) T n-Tetracosane (C24)	14.798	6562356	40.917 ug/mlm
15) T n-Hexacosane (C26)	15.817	6292472	40.633 ug/mlm
16) T n-Octacosane (C28)	16.766	6119715	40.522 ug/ml
17) T n-Tricontane (C30)	17.652	6015860	39.291 ug/ml
18) T n-Dotriacontane (C32)	18.482	5827037	39.454 ug/ml
19) T n-Tetratriacontane (C34)	19.265	5678127	45.018 ug/ml
20) T n-Hexatriacontane (C36)	20.003	5380547	51.446 ug/ml
21) T n-Octatriacontane (C38)	20.727	5302072	54.278 ug/ml
22) T n-Tetracontane (C40)	21.617	5207527	53.429 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
Data File : FC067850.D
Signal(s) : FID1A.ch
Acq On : 22 Nov 2024 11:32
Operator : YP/AJ
Sample : PB165188BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB165188BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2024

Supervised By :Ankita Jodhani 11/25/2024

Integration File: sample.E

Quant Time: Nov 22 22:21:05 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M

Quant Title : GC Extractables

QLast Update : Thu Nov 14 14:13:15 2024

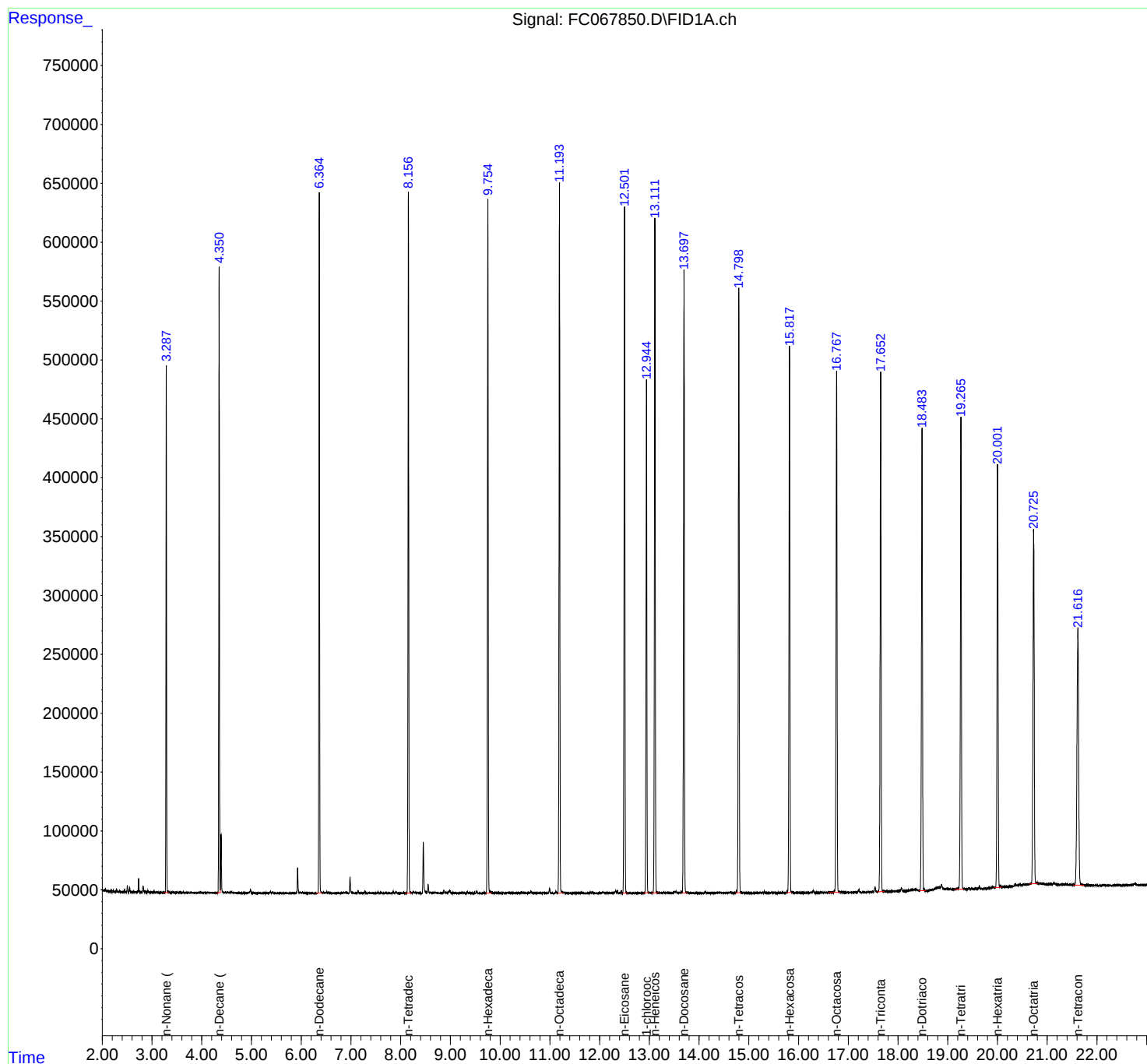
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



rteres

Instrument :

FID_C

ClientSampleId :

PB165188BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/25/2024

Supervised By :Ankita Jodhani 11/25/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC11222
 Data File : FC067850.D
 Signal(s) : FID1A.ch
 Acq On : 22 Nov 2024 11:32
 Sample : PB165188BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	3.288	3.235	3.344	BB	446563	3763877	51.94%	3.333%
2	4.350	4.295	4.373	BV	530919	4828464	66.63%	4.276%
3	6.364	6.300	6.429	BV	590257	5857295	80.83%	5.187%
4	8.156	8.094	8.225	BV	596069	6349870	87.62%	5.623%
5	9.754	9.707	9.835	BB	586083	6645242	91.70%	5.885%
6	11.193	11.152	11.275	BB	603903	6923639	95.54%	6.132%
7	12.501	12.457	12.567	PB	583494	7246643	100.00%	6.418%
8	12.943	12.874	12.999	BB	438544	5112489	70.55%	4.528%
9	13.112	13.039	13.189	BB	570299	6936142	95.72%	6.143%
10	13.697	13.658	13.770	VB	527448	6833014	94.29%	6.051%
11	14.798	14.704	14.874	BB	512171	6579576	90.79%	5.827%
12	15.818	15.722	15.894	BB	462220	6311220	87.09%	5.589%
13	16.766	16.600	16.829	BB	443435	6119715	84.45%	5.420%
14	17.652	17.585	17.719	BB	439532	6015860	83.02%	5.328%
15	18.482	18.425	18.562	BB	392027	5827037	80.41%	5.160%
16	19.265	19.134	19.329	BB	399637	5678127	78.36%	5.029%
17	20.003	19.939	20.094	BB	356755	5380547	74.25%	4.765%
18	20.727	20.637	20.810	BB	298676	5302072	73.17%	4.695%
19	21.617	21.522	21.745	BB	216522	5207527	71.86%	4.612%

Sum of corrected areas: 112918354

Aliphatic EPH 111424.M Fri Nov 22 23:54:57 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224AR\
 Data File : FD048801.D
 Signal(s) : FID2B.ch
 Acq On : 22 Nov 2024 11:32
 Operator : YP/AJ
 Sample : PB165188BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB165188BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 11/25/2024

Supervised By :Ankita Jodhani 11/25/2024

Integration File: autoint1.e

Quant Time: Nov 22 23:07:46 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M

Quant Title : GC Extractables

Qlast Update : Thu Nov 14 14:16:25 2024

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.368	9688397	55.029 ug/ml
Spiked Amount 50.000		Recovery =	110.06%
6) S 2-Fluorobiphenyl (SURR)	8.218	5811070	50.456 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	100.91%
11) S ortho-Terphenyl (SURR)	11.255	9064758	47.130 ug/ml
Spiked Amount 50.000		Recovery =	94.26%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.190	8022592	42.569 ug/ml
2) T Naphthalene (C11.7)	5.707	9642256	49.302 ug/ml
3) T 2-Methylnaphthalene (...)	6.754	9471968	49.564 ug/ml
5) T Acenaphthylene (C15.06)	8.022	10883130	56.120 ug/ml
7) T Acenaphthene (C15.5)	8.318	11279322	58.641 ug/ml
8) T Flouorene (C16.55)	9.096	11187059	58.311 ug/ml
9) T Phenanthrene (C19.36)	10.485	10942980	59.699 ug/ml
10) T Anthracene (C19.43)	10.561	10960786	58.529 ug/ml
12) T Fluoranthene (C21.85)	12.291	11008533	60.116 ug/mlm
13) T Pyrene (C20.8)	12.584	10787764	59.669 ug/ml
14) T Benzo[a]anthracene (C...	14.455	10160147	61.763 ug/ml
15) T Chrysene (C27.41)	14.499	9987909	57.069 ug/ml
16) T benzo[b]fluoranthene ...	16.005	9690316	61.675 ug/ml
17) T Bnezo[k]fluoranthene ...	16.041	9778985	59.922 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.381	9142325	61.318 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.750	9033775	73.130 ug/ml
20) T Dibenz[a,h]anthracene...	17.786	8474013	54.039 ug/ml
21) T Benzo[g,h,i]perylene ...	18.003	8618727	60.403 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224AR\
Data File : FD048801.D
Signal(s) : FID2B.ch
Acq On : 22 Nov 2024 11:32
Operator : YP/AJ
Sample : PB165188BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB165188BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2024

Supervised By :Ankita Jodhani 11/25/2024

Integration File: autoint1.e

Quant Time: Nov 22 23:07:46 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M

Quant Title : GC Extractables

QLast Update : Thu Nov 14 14:16:25 2024

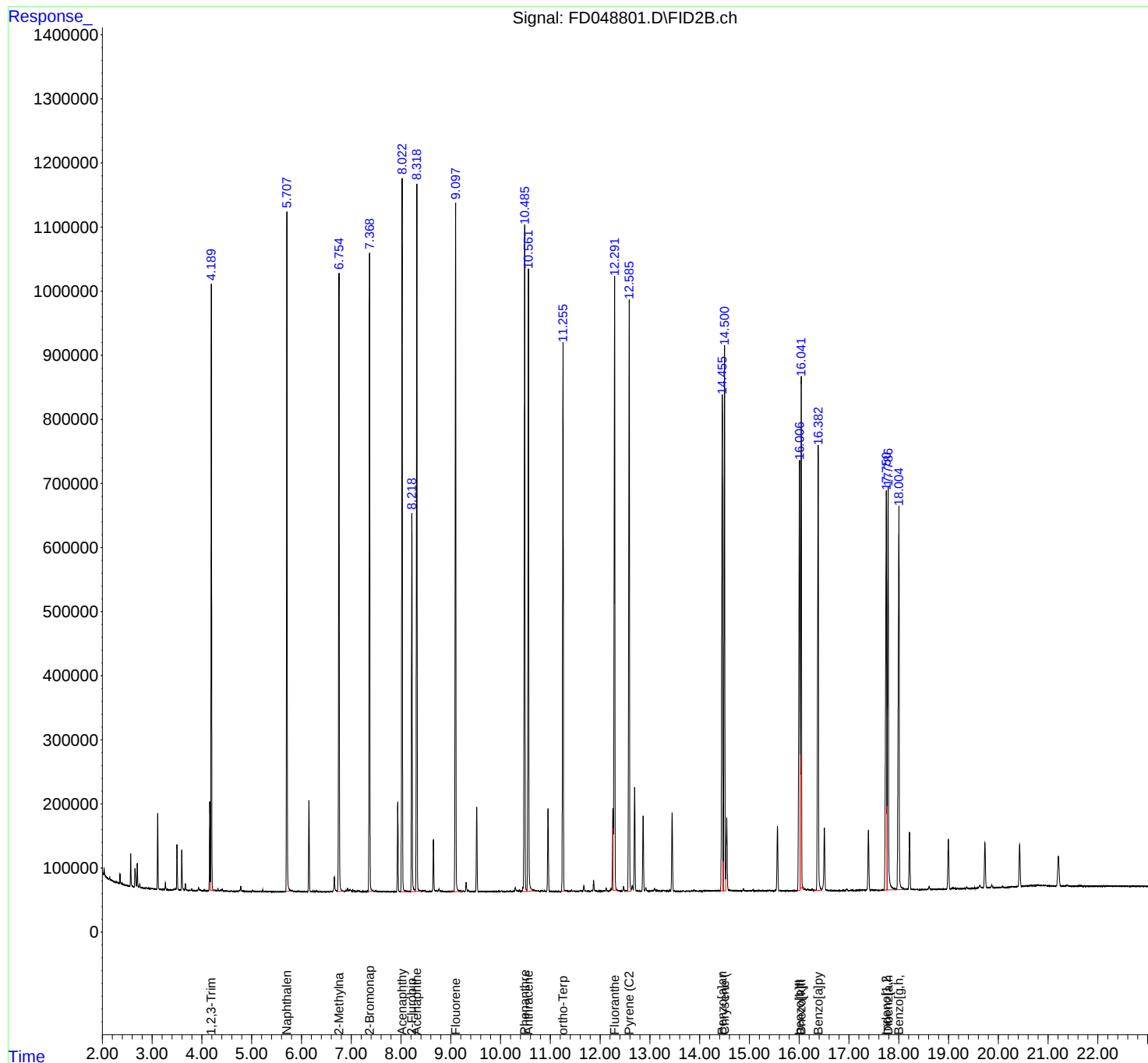
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rteres

Instrument :

FID_D

ClientSampleId :

PB165188BS

Area Percent

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/25/2024

Supervised By :Ankita Jodhani 11/25/2024

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data
 Data File : FD048801.D
 Signal(s) : FID2B.ch
 Acq On : 22 Nov 2024 11:32
 Sample : PB165188BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH
 111424.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	4.190	4.171	4.251	VV	942458	8022592	64.99%	3.918%
2	5.707	5.635	5.801	BV	1064560	9642256	78.12%	4.709%
3	6.754	6.718	6.855	VV	965223	9471968	76.74%	4.626%
4	7.368	7.341	7.455	VV	997092	9688397	78.49%	4.732%
5	8.022	7.991	8.145	BV	1095423	10883130	88.17%	5.315%
6	8.218	8.184	8.284	PV	590098	5811070	47.08%	2.838%
7	8.318	8.284	8.408	VB	1108208	11279322	91.38%	5.509%
8	9.096	9.001	9.231	BB	1092877	11187059	90.63%	5.464%
9	10.485	10.421	10.528	BV	1032302	10942980	88.65%	5.345%
10	10.561	10.528	10.711	VB	975595	10960786	88.80%	5.353%
11	11.255	11.168	11.325	BV	854599	9064758	73.44%	4.427%
12	12.291	12.231	12.421	VB	960805	12343431	100.00%	6.029%
13	12.584	12.505	12.625	VV	918950	10787764	87.40%	5.269%
14	14.455	14.411	14.474	PV	768493	10160147	82.31%	4.962%
15	14.499	14.474	14.523	VV	835844	9987909	80.92%	4.878%
16	16.005	15.961	16.020	BV	667222	9690316	78.51%	4.733%
17	16.040	16.020	16.097	VV	808593	9554482	77.41%	4.666%
18	16.381	16.294	16.454	BV	692646	9142325	74.07%	4.465%
19	17.750	17.701	17.765	BV	616362	9033775	73.19%	4.412%
20	17.786	17.765	17.958	VV	614082	8474013	68.65%	4.139%
21	18.003	17.958	18.158	VB	612391	8618727	69.82%	4.209%
Sum of corrected areas:						204747208		

Aromatic EPH 111424.M Sat Nov 23 00:13:43 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112124AL\
 Data File : FC067842.D
 Signal(s) : FID1A.ch
 Acq On : 21 Nov 2024 12:31
 Operator : YP/AJ
 Sample : PB165151BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

PB165151BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :Ankita Jodhani 11/22/2024

Integration File: autoint1.e

Quant Time: Nov 22 00:24:50 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M

Quant Title : GC Extractables

QLast Update : Thu Nov 14 14:13:15 2024

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.942	5218311	35.948 ug/ml
Spiked Amount 50.000		Recovery =	71.90%
Target Compounds			
1) T n-Nonane (C9)	3.287	3632051	22.267 ug/ml
2) T n-Decane (C10)	4.350	4649561	28.038 ug/ml
4) T n-Dodecane (C12)	6.364	5619591	33.365 ug/ml
6) T n-Tetradecane (C14)	8.155	6078205	36.294 ug/ml
7) T n-Hexadecane (C16)	9.754	6351994	36.654 ug/ml
8) T n-Octadecane (C18)	11.193	6656132	37.832 ug/ml
10) T n-Eicosane (C20)	12.501	7024272	41.715 ug/ml
11) T n-Heneicosane (C21)	13.112	6746939	41.005 ug/ml
13) T n-Docosane (C22)	13.697	6673330	40.978 ug/ml
14) T n-Tetracosane (C24)	14.797	6414361	39.994 ug/mlm
15) T n-Hexacosane (C26)	15.815	6140507	39.652 ug/mlm
16) T n-Octacosane (C28)	16.765	6019776	39.860 ug/ml
17) T n-Tricontane (C30)	17.650	5918891	38.658 ug/ml
18) T n-Dotriacontane (C32)	18.480	5765435	39.037 ug/ml
19) T n-Tetratriacontane (C34)	19.265	5562918	44.105 ug/ml
20) T n-Hexatriacontane (C36)	20.001	5325280	50.917 ug/mlm
21) T n-Octatriacontane (C38)	20.725	5223971	53.478 ug/ml
22) T n-Tetracontane (C40)	21.614	5480116	56.226 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112124AL\
Data File : FC067842.D
Signal(s) : FID1A.ch
Acq On : 21 Nov 2024 12:31
Operator : YP/AJ
Sample : PB165151BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

FID_C

Client SampleId :

PB165151BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :Ankita Jodhani 11/22/2024

Integration File: autoint1.e

Quant Time: Nov 22 00:24:50 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M

Quant Title : GC Extractables

Qlast Update : Thu Nov 14 14:13:15 2024

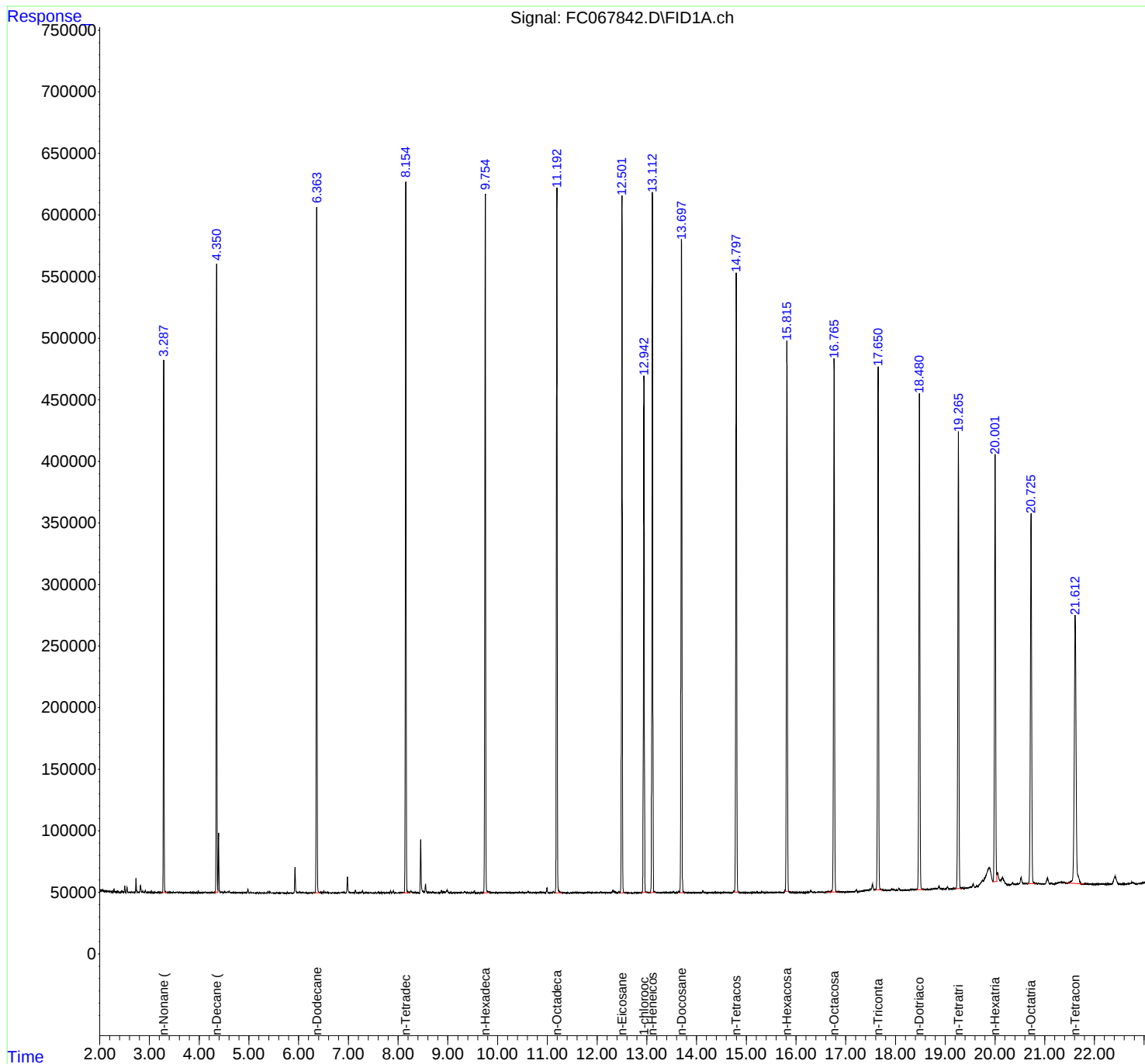
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



rteres

Instrument :

FID_C

ClientSampleId :

PB165151BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :Ankita Jodhani 11/22/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC11212

Data File : FC067842.D

Signal(s) : FID1A.ch

Acq On : 21 Nov 2024 12:31

Sample : PB165151BSD

Misc :

ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	3.287	3.234	3.350	BB	431676	3632051	51.71%	3.279%
2	4.350	4.297	4.373	BV	510708	4649561	66.19%	4.198%
3	6.364	6.304	6.430	BV	558423	5619591	80.00%	5.074%
4	8.155	8.095	8.232	BB	574918	6078205	86.53%	5.488%
5	9.754	9.705	9.832	BB	567594	6351994	90.43%	5.735%
6	11.193	11.152	11.292	BB	570240	6656132	94.76%	6.010%
7	12.501	12.462	12.565	PB	565541	7024272	100.00%	6.342%
8	12.942	12.879	12.990	BB	419464	5218311	74.29%	4.712%
9	13.112	13.040	13.184	BB	568461	6746939	96.05%	6.092%
10	13.697	13.657	13.760	VB	530574	6673330	95.00%	6.025%
11	14.797	14.697	14.877	BB	501543	6452058	91.85%	5.825%
12	15.816	15.720	15.899	BB	442335	6196690	88.22%	5.595%
13	16.765	16.607	16.839	BB	433286	6019776	85.70%	5.435%
14	17.650	17.592	17.734	BB	422925	5918891	84.26%	5.344%
15	18.480	18.419	18.569	BB	400564	5765435	82.08%	5.206%
16	19.265	19.189	19.322	BB	371845	5562918	79.20%	5.023%
17	20.003	19.958	20.037	VV	348648	5486161	78.10%	4.953%
18	20.725	20.650	20.814	BB	300381	5223971	74.37%	4.717%
19	21.614	21.440	21.792	BB	214501	5480116	78.02%	4.948%

Sum of corrected areas: 110756401

Aliphatic EPH 111424.M Fri Nov 22 01:23:07 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112124AR\
 Data File : FD048793.D
 Signal(s) : FID2B.ch
 Acq On : 21 Nov 2024 12:31
 Operator : YP/AJ
 Sample : PB165151BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB165151BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024

Integration File: autoint1.e

Quant Time: Nov 22 00:50:56 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M

Quant Title : GC Extractables

QLast Update : Thu Nov 14 14:16:25 2024

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.367	9369413	53.218 ug/ml
Spiked Amount 50.000		Recovery =	106.44%
6) S 2-Fluorobiphenyl (SURR)	8.218	5631657	48.899 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	97.80%
11) S ortho-Terphenyl (SURR)	11.255	8834245	45.931 ug/ml
Spiked Amount 50.000		Recovery =	91.86%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.190	7735073	41.043 ug/ml
2) T Naphthalene (C11.7)	5.707	9316804	47.638 ug/ml
3) T 2-Methylnaphthalene (...)	6.754	9143869	47.847 ug/ml
5) T Acenaphthylene (C15.06)	8.022	10507147	54.181 ug/ml
7) T Acenaphthene (C15.5)	8.318	10924353	56.796 ug/ml
8) T Fluorene (C16.55)	9.096	10854323	56.576 ug/ml
9) T Phenanthrene (C19.36)	10.484	10647778	58.088 ug/ml
10) T Anthracene (C19.43)	10.561	10619959	56.709 ug/ml
12) T Fluoranthene (C21.85)	12.292	10654764	58.184 ug/mlm
13) T Pyrene (C20.8)	12.584	10603262	58.648 ug/ml
14) T Benzo[a]anthracene (C...	14.455	10034149	60.997 ug/ml
15) T Chrysene (C27.41)	14.499	9884467	56.478 ug/ml
16) T benzo[b]fluoranthene ...	16.004	9604808	61.131 ug/ml
17) T Bnezo[k]fluoranthene ...	16.040	9491041	58.157 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.380	9081847	60.912 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.748	8905682	72.093 ug/ml
20) T Dibenz[a,h]anthracene...	17.784	8405991	53.605 ug/ml
21) T Benzo[g,h,i]perylene ...	18.000	8537071	59.831 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112124AR\
Data File : FD048793.D
Signal(s) : FID2B.ch
Acq On : 21 Nov 2024 12:31
Operator : YP/AJ
Sample : PB165151BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB165151BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024

Integration File: autoint1.e

Quant Time: Nov 22 00:50:56 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M

Quant Title : GC Extractables

QLast Update : Thu Nov 14 14:16:25 2024

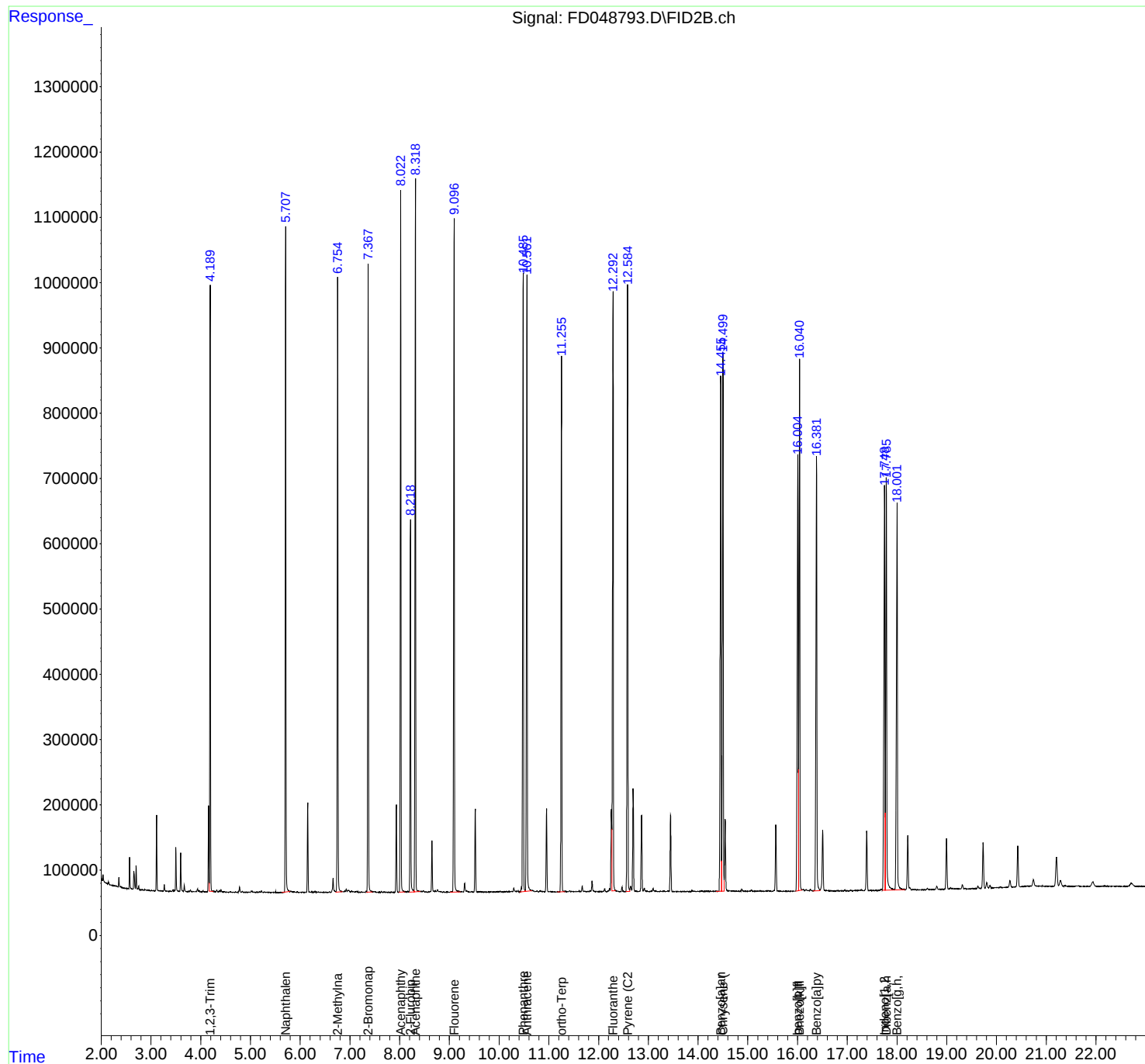
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rteres

Instrument :

FID_D

ClientSampleId :

PB165151BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/29/2024

Supervised By :mohammad ahmed 11/29/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11212

Data File : FD048793.D

Signal(s) : FID2B.ch

Acq On : 21 Nov 2024 12:31

Sample : PB165151BSD

Misc :

ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.190	4.171	4.255	VB	919657	7735073	63.88%	3.863%
2	5.707	5.631	5.797	BV	1019156	9316804	76.94%	4.653%
3	6.754	6.718	6.851	VB	945516	9143869	75.51%	4.566%
4	7.367	7.338	7.458	VB	965918	9369413	77.37%	4.679%
5	8.022	7.991	8.108	BV	1062552	10507147	86.77%	5.247%
6	8.218	8.191	8.288	PV	570173	5631657	46.51%	2.812%
7	8.318	8.288	8.408	VB	1092271	10924353	90.21%	5.456%
8	9.096	9.015	9.225	BB	1016705	10854323	89.64%	5.421%
9	10.484	10.415	10.528	BV	953627	10647778	87.93%	5.317%
10	10.561	10.528	10.659	VV	951626	10619959	87.70%	5.304%
11	11.255	11.171	11.325	BV	817033	8834245	72.95%	4.412%
12	12.291	12.231	12.415	VB	920881	12109432	100.00%	6.047%
13	12.584	12.548	12.624	BV	937556	10603262	87.56%	5.295%
14	14.455	14.358	14.473	BV	785973	10034149	82.86%	5.011%
15	14.499	14.473	14.523	VV	810958	9884467	81.63%	4.936%
16	16.004	15.961	16.019	BV	667635	9604808	79.32%	4.797%
17	16.040	16.019	16.096	VV	834837	9491041	78.38%	4.740%
18	16.380	16.305	16.451	BV	673125	9081847	75.00%	4.535%
19	17.748	17.701	17.763	BV	619664	8905682	73.54%	4.447%
20	17.784	17.763	17.955	VV	626517	8405991	69.42%	4.198%
21	18.000	17.955	18.165	VV	595581	8537071	70.50%	4.263%
Sum of corrected areas:						200242372		

Aromatic EPH 111424.M Fri Nov 22 01:44:11 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
 Data File : FC067851.D
 Signal(s) : FID1A.ch
 Acq On : 22 Nov 2024 12:08
 Operator : YP/AJ
 Sample : PB165188BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB165188BSD

A
B
C
D
E
F
G
H
I
J

Integration File: sample.E
 Quant Time: Nov 22 22:21:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 14:13:15 2024
 Response via : Initial Calibration
 Integrator: ChemStation
 Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.942	5313708	36.606 ug/ml
Spiked Amount 50.000		Recovery =	73.21%
Target Compounds			
1) T n-Nonane (C9)	3.288	3773593	23.135 ug/ml
2) T n-Decane (C10)	4.350	4840843	29.191 ug/ml
4) T n-Dodecane (C12)	6.364	5857447	34.777 ug/ml
6) T n-Tetradecane (C14)	8.156	6329211	37.793 ug/ml
7) T n-Hexadecane (C16)	9.754	6575730	37.945 ug/ml
8) T n-Octadecane (C18)	11.193	6850272	38.935 ug/ml
10) T n-Eicosane (C20)	12.502	7176714	42.621 ug/ml
11) T n-Heneicosane (C21)	13.112	6883455	41.835 ug/ml
13) T n-Docosane (C22)	13.697	6790238	41.695 ug/ml
14) T n-Tetracosane (C24)	14.799	6532982	40.734 ug/ml
15) T n-Hexacosane (C26)	15.818	6289751	40.615 ug/ml
16) T n-Octacosane (C28)	16.766	6095248	40.360 ug/ml
17) T n-Tricontane (C30)	17.652	5986954	39.103 ug/ml
18) T n-Dotriacontane (C32)	18.483	5800988	39.278 ug/ml
19) T n-Tetratriacontane (C34)	19.265	5608441	44.465 ug/ml
20) T n-Hexatriacontane (C36)	20.003	5359369	51.243 ug/ml
21) T n-Octatriacontane (C38)	20.728	5416360	55.448 ug/ml
22) T n-Tetracontane (C40)	21.616	5200163	53.353 ug/ml

(f)=RT Delta > 1/2 Window

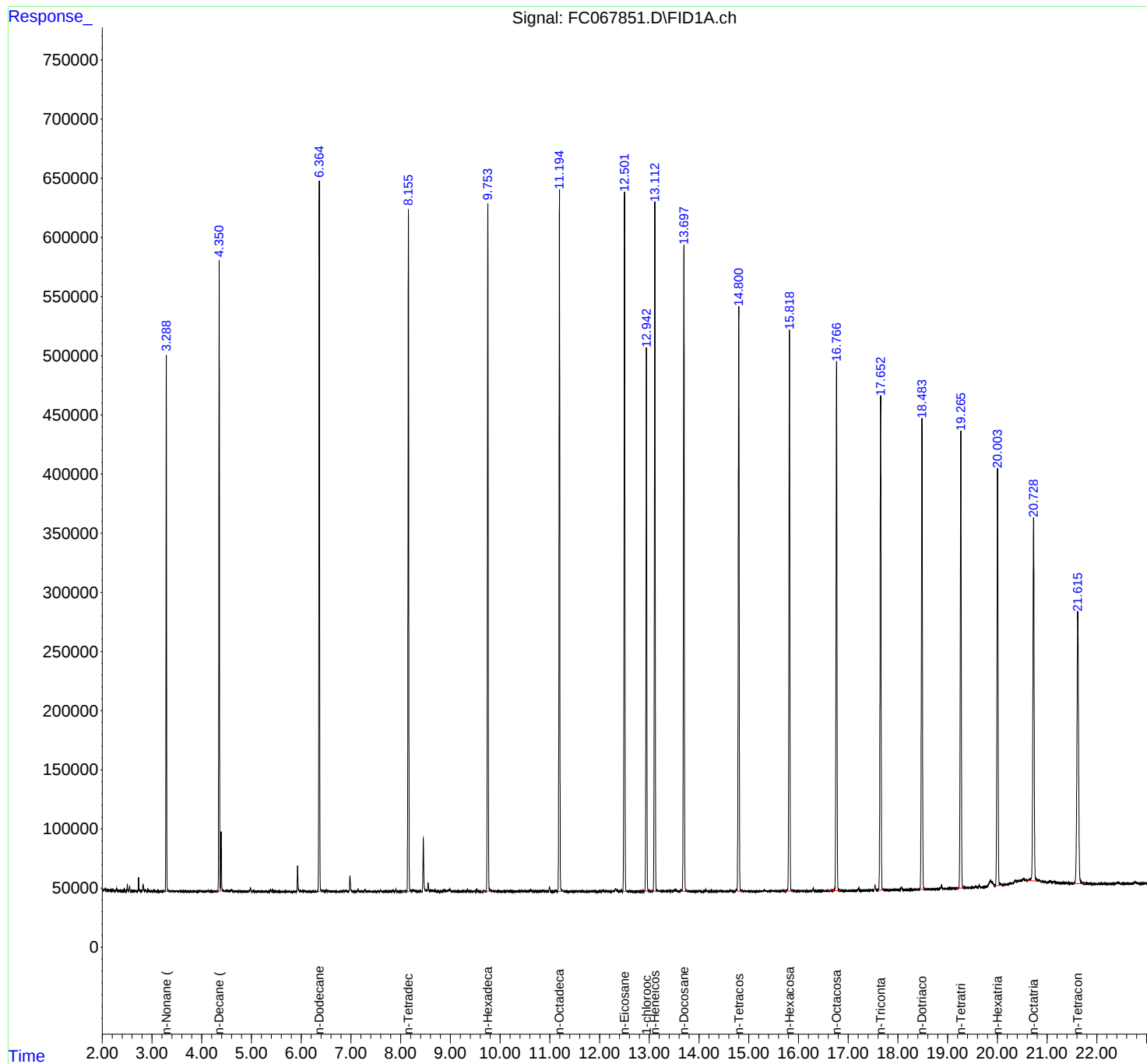
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
Data File : FC067851.D
Signal(s) : FID1A.ch
Acq On : 22 Nov 2024 12:08
Operator : YP/AJ
Sample : PB165188BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB165188BSD

Integration File: sample.E
Quant Time: Nov 22 22:21:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
 Data File : FC067851.D
 Signal(s) : FID1A.ch
 Acq On : 22 Nov 2024 12:08
 Sample : PB165188BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	3.288	3.235	3.347	BB	455103	3773593	52.58%	3.349%
2	4.350	4.295	4.373	BV	533404	4840843	67.45%	4.296%
3	6.364	6.305	6.432	BV	597658	5857447	81.62%	5.198%
4	8.156	8.015	8.227	BB	577482	6329211	88.19%	5.617%
5	9.754	9.627	9.833	BB	582322	6575730	91.63%	5.836%
6	11.193	11.155	11.287	BB	585056	6850272	95.45%	6.079%
7	12.502	12.459	12.560	PB	589426	7176714	100.00%	6.369%
8	12.942	12.870	12.990	BB	456748	5313708	74.04%	4.716%
9	13.112	13.045	13.192	BB	583893	6883455	95.91%	6.109%
10	13.697	13.658	13.770	VB	544901	6790238	94.61%	6.026%
11	14.799	14.762	14.868	VB	489490	6532982	91.03%	5.798%
12	15.818	15.720	15.895	BB	475162	6289751	87.64%	5.582%
13	16.766	16.612	16.837	BB	441940	6095248	84.93%	5.409%
14	17.652	17.585	17.723	BB	416274	5986954	83.42%	5.313%
15	18.483	18.420	18.547	BB	398093	5800988	80.83%	5.148%
16	19.265	19.188	19.328	BB	387298	5608441	78.15%	4.977%
17	20.003	19.947	20.097	VB	351602	5359369	74.68%	4.756%
18	20.728	20.593	20.892	BB	306797	5416360	75.47%	4.807%
19	21.616	21.515	21.767	BB	229060	5200163	72.46%	4.615%
Sum of corrected areas:						112681466		

Aliphatic EPH 111424.M Fri Nov 22 23:56:39 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224AR\
 Data File : FD048802.D
 Signal(s) : FID2B.ch
 Acq On : 22 Nov 2024 12:08
 Operator : YP/AJ
 Sample : PB165188BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB165188BSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 11/25/2024

Supervised By :Ankita Jodhani 11/25/2024

Integration File: autoint1.e

Quant Time: Nov 22 23:08:13 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M

Quant Title : GC Extractables

Qlast Update : Thu Nov 14 14:16:25 2024

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.368	9645156	54.784 ug/ml
Spiked Amount 50.000		Recovery =	109.57%
6) S 2-Fluorobiphenyl (SURR)	8.218	5788509	50.261 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	100.52%
11) S ortho-Terphenyl (SURR)	11.255	9024478	46.920 ug/ml
Spiked Amount 50.000		Recovery =	93.84%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.190	7985580	42.372 ug/ml
2) T Naphthalene (C11.7)	5.708	9605703	49.116 ug/ml
3) T 2-Methylnaphthalene (...)	6.755	9422685	49.306 ug/ml
5) T Acenaphthylene (C15.06)	8.022	10812156	55.754 ug/ml
7) T Acenaphthene (C15.5)	8.318	11220383	58.335 ug/ml
8) T Flouorene (C16.55)	9.097	11118005	57.951 ug/ml
9) T Phenanthrene (C19.36)	10.485	10880973	59.361 ug/ml
10) T Anthracene (C19.43)	10.561	10932557	58.379 ug/ml
12) T Fluoranthene (C21.85)	12.292	10867937	59.348 ug/mlm
13) T Pyrene (C20.8)	12.585	10728889	59.343 ug/ml
14) T Benzo[a]anthracene (C...	14.456	10079979	61.276 ug/ml
15) T Chrysene (C27.41)	14.500	9904750	56.594 ug/ml
16) T benzo[b]fluoranthene ...	16.005	9644571	61.384 ug/ml
17) T Bnezo[k]fluoranthene ...	16.041	10073998	61.729 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.382	9063526	60.789 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.749	8965310	72.576 ug/ml
20) T Dibenz[a,h]anthracene...	17.787	8440127	53.823 ug/ml
21) T Benzo[g,h,i]perylene ...	18.000	8589912	60.201 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224R\
Data File : FD048802.D
Signal(s) : FID2B.ch
Acq On : 22 Nov 2024 12:08
Operator : YP/AJ
Sample : PB165188BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB165188BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2024

Supervised By :Ankita Jodhani 11/25/2024

Integration File: autoint1.e

Quant Time: Nov 22 23:08:13 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M

Quant Title : GC Extractables

QLast Update : Thu Nov 14 14:16:25 2024

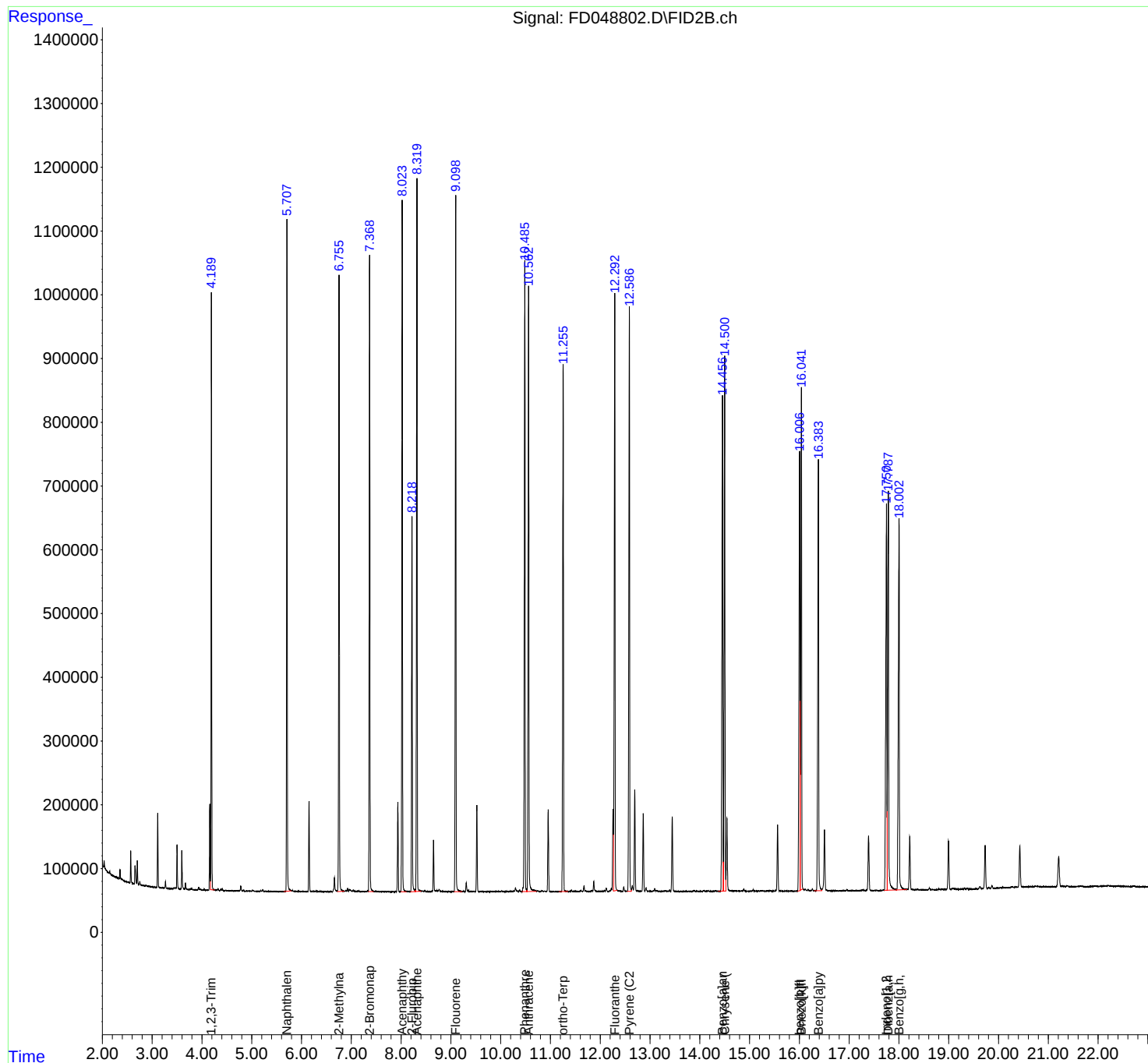
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rteres

Instrument :

FID_D

ClientSampleId :

PB165188BSD

Area Percent

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/25/2024
Supervised By :Ankita Jodhani 11/25/2024

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data
 Data File : FD048802.D
 Signal(s) : FID2B.ch
 Acq On : 22 Nov 2024 12:08
 Sample : PB165188BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH
 111424.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	4.190	4.171	4.254	VV	936765	7985580	65.20%	3.923%
2	5.708	5.641	5.801	BV	1054081	9605703	78.43%	4.719%
3	6.755	6.721	6.861	VB	964883	9422685	76.93%	4.629%
4	7.368	7.341	7.451	VV	999449	9645156	78.75%	4.738%
5	8.022	7.991	8.104	BV	1068484	10812156	88.28%	5.312%
6	8.218	8.185	8.288	PV	580212	5788509	47.26%	2.844%
7	8.318	8.288	8.404	VV	1100463	11220383	91.61%	5.512%
8	9.097	9.061	9.231	VB	1096248	11118005	90.77%	5.462%
9	10.485	10.421	10.526	BV	980992	10880973	88.84%	5.345%
10	10.561	10.526	10.724	VB	947448	10932557	89.26%	5.371%
11	11.255	11.168	11.358	BB	821243	9024478	73.68%	4.433%
12	12.291	12.231	12.394	VB	925931	12248201	100.00%	6.017%
13	12.585	12.544	12.625	BV	904291	10728889	87.60%	5.271%
14	14.456	14.368	14.474	BV	790588	10079979	82.30%	4.952%
15	14.500	14.474	14.523	VV	848708	9904750	80.87%	4.866%
16	16.005	15.961	16.020	BV	680982	9644571	78.74%	4.738%
17	16.040	16.020	16.101	VV	793750	9455168	77.20%	4.645%
18	16.382	16.294	16.452	BV	671014	9063526	74.00%	4.453%
19	17.749	17.701	17.764	BV	612793	8965310	73.20%	4.404%
20	17.787	17.764	17.954	VV	633422	8440127	68.91%	4.146%
21	18.000	17.954	18.164	VB	578563	8589912	70.13%	4.220%
Sum of corrected areas:						203556618		

Aromatic EPH 111424.M Sat Nov 23 00:15:29 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
 Data File : FC067855.D
 Signal(s) : FID1A.ch
 Acq On : 22 Nov 2024 14:33
 Operator : YP/AJ
 Sample : P4892-02MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 WB-310-BOTMS

A
B
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J

Integration File: sample.E
 Quant Time: Nov 22 22:23:09 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 14:13:15 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.942	5309462	36.576 ug/ml
Spiked Amount 50.000		Recovery =	73.15%
Target Compounds			
1) T n-Nonane (C9)	3.288	5123564	31.411 ug/ml
2) T n-Decane (C10)	4.351	6306717	38.031 ug/ml
4) T n-Dodecane (C12)	6.365	7383817	43.840 ug/ml
6) T n-Tetradecane (C14)	8.157	8348288	49.849 ug/ml
7) T n-Hexadecane (C16)	9.756	9319018	53.775 ug/ml
8) T n-Octadecane (C18)	11.195	9780471	55.590 ug/ml
10) T n-Eicosane (C20)	12.503	9725518	57.757 ug/ml
11) T n-Heneicosane (C21)	13.114	9247507	56.203 ug/ml
13) T n-Docosane (C22)	13.699	9123219	56.021 ug/ml
14) T n-Tetracosane (C24)	14.801	8803011	54.888 ug/ml
15) T n-Hexacosane (C26)	15.819	8500212	54.889 ug/ml
16) T n-Octacosane (C28)	16.767	8220149	54.430 ug/ml
17) T n-Tricontane (C30)	17.654	8062803	52.661 ug/ml
18) T n-Dotriacontane (C32)	18.484	7814207	52.909 ug/ml
19) T n-Tetratriacontane (C34)	19.267	7564022	59.970 ug/ml
20) T n-Hexatriacontane (C36)	20.005	7121878	68.095 ug/ml
21) T n-Octatriacontane (C38)	20.729	7039140	72.060 ug/ml
22) T n-Tetracontane (C40)	21.619	6941629	71.221 ug/ml

(f)=RT Delta > 1/2 Window

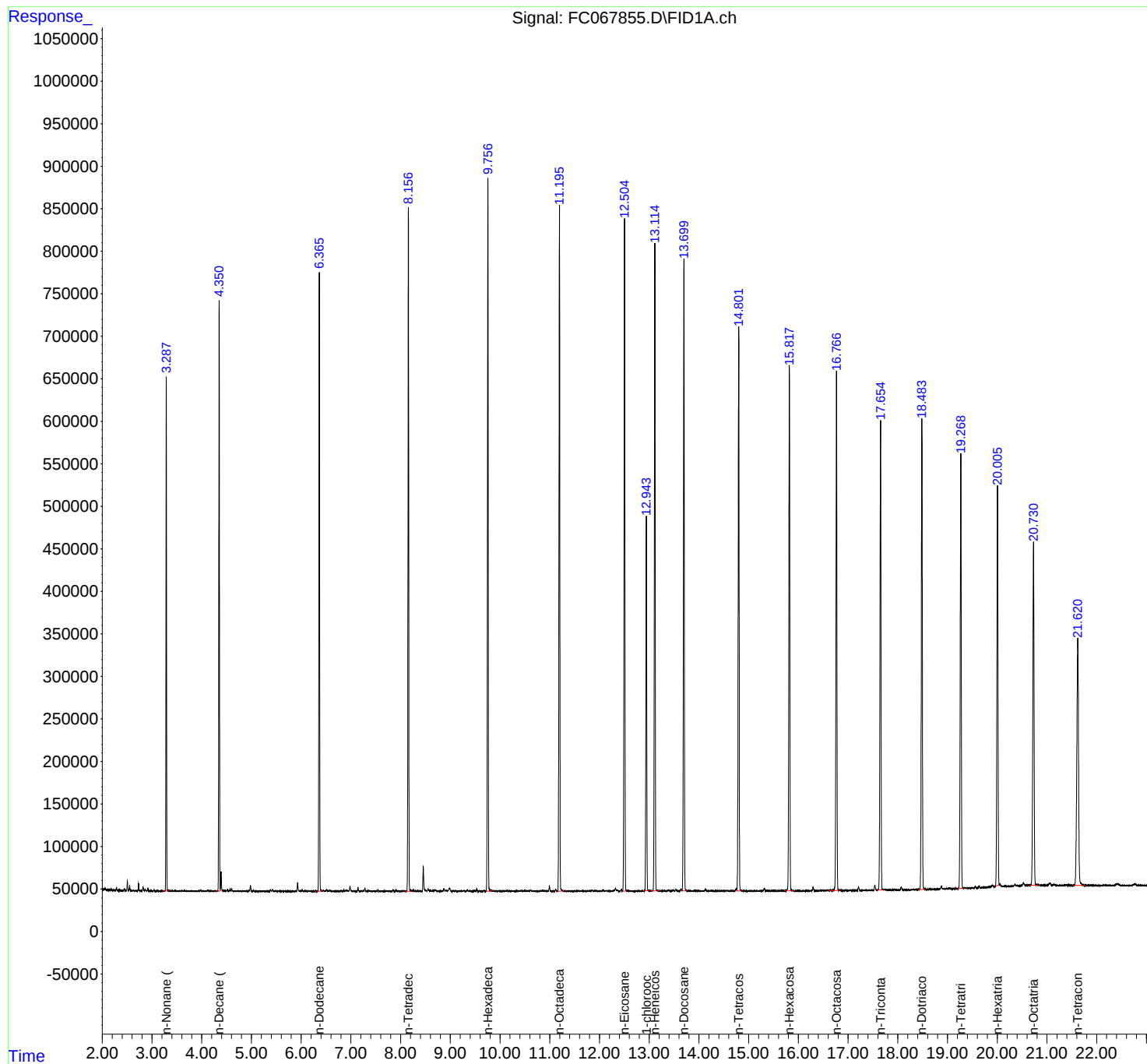
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
Data File : FC067855.D
Signal(s) : FID1A.ch
Acq On : 22 Nov 2024 14:33
Operator : YP/AJ
Sample : P4892-02MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-310-BOTMS

Integration File: sample.E
Quant Time: Nov 22 22:23:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
 Data File : FC067855.D
 Signal(s) : FID1A.ch
 Acq On : 22 Nov 2024 14:33
 Sample : P4892-02MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	3.288	3.230	3.349	BB	603826	5123564	52.39%	3.394%
2	4.351	4.289	4.375	BV	694438	6306717	64.48%	4.178%
3	4.390	4.375	4.432	VB	22780	215103	2.20%	0.142%
4	4.981	4.857	5.015	BV	6694	89181	0.91%	0.059%
5	5.928	5.880	5.964	BV	9913	102505	1.05%	0.068%
6	6.365	6.305	6.430	BV	728236	7383817	75.50%	4.891%
7	6.983	6.949	7.042	BB	5895	77310	0.79%	0.051%
8	7.144	7.042	7.170	BB	4252	51194	0.52%	0.034%
9	7.284	7.264	7.307	VB	3482	38654	0.40%	0.026%
10	8.157	8.089	8.227	BV	803537	8348288	85.36%	5.530%
11	8.456	8.415	8.532	BB	29021	337237	3.45%	0.223%
12	9.756	9.707	9.840	BB	834906	9319018	95.28%	6.173%
13	10.994	10.937	11.029	BB	6083	67930	0.69%	0.045%
14	11.195	11.154	11.290	PB	804901	9780471	100.00%	6.479%
15	12.503	12.461	12.550	PB	791938	9725518	99.44%	6.443%
16	12.942	12.877	12.989	BB	435476	5309462	54.29%	3.517%
17	13.114	13.040	13.197	BB	762440	9247507	94.55%	6.126%
18	13.699	13.660	13.764	VB	741425	9123219	93.28%	6.044%
19	14.801	14.760	14.870	VB	666709	8803011	90.01%	5.832%
20	15.819	15.720	15.912	BB	612744	8500212	86.91%	5.631%
21	16.296	16.249	16.340	BB	3828	53189	0.54%	0.035%
22	16.767	16.595	16.834	BB	608060	8220149	84.05%	5.445%
23	17.211	17.159	17.257	BB	4009	56928	0.58%	0.038%
24	17.538	17.484	17.570	BB	5664	79071	0.81%	0.052%
25	17.654	17.585	17.737	BB	552234	8062803	82.44%	5.341%
26	18.070	18.012	18.109	BB	3434	52918	0.54%	0.035%
27	18.484	18.402	18.554	BB	549799	7814207	79.90%	5.176%
28	19.267	19.200	19.327	BV	503145	7564022	77.34%	5.011%
29	20.005	19.944	20.042	BV	470752	7121878	72.82%	4.718%
30	20.729	20.645	20.824	BB	399650	7039140	71.97%	4.663%
31	21.619	21.519	21.760	BB	288113	6941629	70.97%	4.598%
Sum of corrected areas:						150955850		

Aliphatic EPH 111424.M Sat Nov 23 04:05:40 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224AR\
 Data File : FD048806.D
 Signal(s) : FID2B.ch
 Acq On : 22 Nov 2024 14:33
 Operator : YP/AJ
 Sample : P4892-02MS
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

WB-310-BOTMS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 11/25/2024

Supervised By :Ankita Jodhani 11/25/2024

Integration File: autoint1.e

Quant Time: Nov 22 23:09:36 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M

Quant Title : GC Extractables

Qlast Update : Thu Nov 14 14:16:25 2024

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.367	9037965	51.335 ug/ml
Spiked Amount 50.000		Recovery =	102.67%
6) S 2-Fluorobiphenyl (SURR)	8.218	5777283	50.163 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	100.33%
11) S ortho-Terphenyl (SURR)	11.253	6648422	34.567 ug/ml
Spiked Amount 50.000		Recovery =	69.13%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.189	7457398	39.570 ug/ml
2) T Naphthalene (C11.7)	5.707	8534052	43.636 ug/ml
3) T 2-Methylnaphthalene (...)	6.754	8393361	43.920 ug/ml
5) T Acenaphthylene (C15.06)	8.021	9860469	50.847 ug/ml
7) T Acenaphthene (C15.5)	8.317	10485836	54.516 ug/ml
8) T Flouorene (C16.55)	9.096	10753423	56.050 ug/ml
9) T Phenanthrene (C19.36)	10.485	11109879	60.609 ug/ml
10) T Anthracene (C19.43)	10.561	11232986	59.983 ug/ml
12) T Fluoranthene (C21.85)	12.292	11437244	62.457 ug/mlm
13) T Pyrene (C20.8)	12.585	11150305	61.674 ug/ml
14) T Benzo[a]anthracene (C...	14.455	10614767	64.527 ug/ml
15) T Chrysene (C27.41)	14.499	10598964	60.561 ug/ml
16) T benzo[b]fluoranthene ...	16.005	10091085	64.226 ug/ml
17) T Bnezo[k]fluoranthene ...	16.042	10418164	63.838 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.381	9535336	63.954 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.750	9706249	78.574 ug/ml
20) T Dibenz[a,h]anthracene...	17.787	9160239	58.415 ug/ml
21) T Benzo[g,h,i]perylene ...	18.003	9060212	63.497 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224AR\
Data File : FD048806.D
Signal(s) : FID2B.ch
Acq On : 22 Nov 2024 14:33
Operator : YP/AJ
Sample : P4892-02MS
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

WB-310-BOTMS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2024

Supervised By :Ankita Jodhani 11/25/2024

Integration File: autoint1.e

Quant Time: Nov 22 23:09:36 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M

Quant Title : GC Extractables

QLast Update : Thu Nov 14 14:16:25 2024

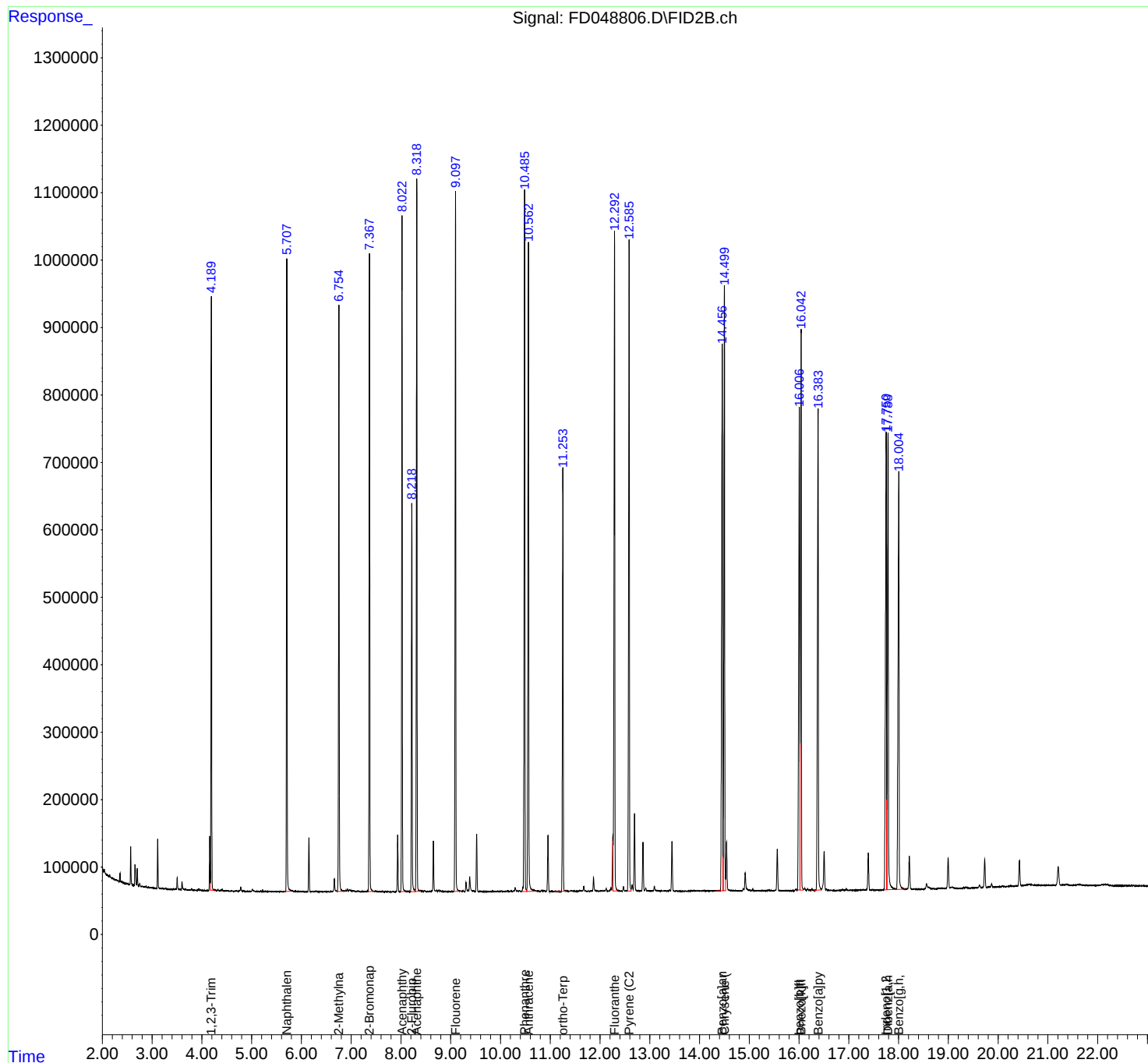
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rteres

Instrument :

FID_D

ClientSampleId :

WB-310-BOTMS

Area Percent

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/25/2024

Supervised By :Ankita Jodhani 11/25/2024

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data
 Data File : FD048806.D
 Signal(s) : FID2B.ch
 Acq On : 22 Nov 2024 14:33
 Sample : P4892-02MS
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH
 111424.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	4.189	4.170	4.254	VV	869561	7457398	61.39%	3.489%
2	5.707	5.644	5.796	BV	945425	8534052	70.25%	3.993%
3	6.151	6.094	6.211	BB	80103	769672	6.34%	0.360%
4	6.663	6.611	6.721	BV	19392	237014	1.95%	0.111%
5	6.754	6.721	6.858	VB	871952	8393361	69.09%	3.927%
6	7.367	7.341	7.454	PV	950386	9037965	74.40%	4.229%
7	7.934	7.858	7.989	BBA	84205	822039	6.77%	0.385%
8	8.021	7.991	8.104	BB	1001232	9860469	81.17%	4.614%
9	8.218	8.191	8.288	PV	576998	5777283	47.56%	2.703%
10	8.317	8.288	8.404	VB	1056855	10485836	86.31%	4.906%
11	8.652	8.600	8.701	PV	74871	756283	6.23%	0.354%
12	9.096	9.054	9.208	BB	1058849	10753423	88.52%	5.031%
13	9.308	9.278	9.339	BV	13606	166277	1.37%	0.078%
14	9.382	9.364	9.484	VB	21769	316743	2.61%	0.148%
15	9.522	9.491	9.568	BB	84983	893786	7.36%	0.418%
16	10.485	10.421	10.528	BV	1037079	11109879	91.45%	5.198%
17	10.561	10.528	10.728	VB	951889	11232986	92.46%	5.256%
18	10.955	10.911	10.998	PB	83086	930400	7.66%	0.435%
19	11.253	11.088	11.324	BB	628560	6648422	54.73%	3.111%
20	11.674	11.641	11.698	BV	7226	79790	0.66%	0.037%
21	11.870	11.846	11.934	VB	20029	239561	1.97%	0.112%
22	12.291	12.232	12.414	VB	970239	12148518	100.00%	5.684%
23	12.471	12.414	12.511	BB	6884	76035	0.63%	0.036%
24	12.585	12.544	12.624	BV	957857	11150305	91.78%	5.217%
25	12.644	12.624	12.666	VV	9404	133736	1.10%	0.063%

Instrument : FID_D ClientSampleId : WB-310-BOTMS									
Manual IntegrationsAPPROVED									
Reviewed By :Yogesh Patel 11/25/2024 Supervised By :Ankita Jodhani 11/25/2024									
26	12.694	12.666	12.764	VB	115434	1353833	11.14%	0.633%	
27	12.864	12.788	12.894	BV	72189				
28	13.093	13.004	13.174	BB	7113				
29	13.447	13.417	13.504	VB	73381				
30	14.455	14.338	14.473	BV	807036	10			
31	14.499	14.473	14.524	VV	878822	10598964	87.24%	4.959%	
32	14.544	14.524	14.634	VB	72756	969440	7.98%	0.454%	
33	14.917	14.893	15.018	VB	26655	418855	3.45%	0.196%	
34	15.562	15.531	15.594	VB	61113	782753	6.44%	0.366%	
35	16.005	15.961	16.020	BV	713555	10091085	83.06%	4.721%	
36	16.041	16.020	16.098	VV	828019	10042066	82.66%	4.698%	
37	16.381	16.301	16.453	BV	705453	9535336	78.49%	4.461%	
38	16.504	16.453	16.534	VV	56774	822878	6.77%	0.385%	
39	17.391	17.304	17.444	BV	55138	734221	6.04%	0.344%	
40	17.750	17.701	17.764	BV	691609	9706249	79.90%	4.541%	
41	17.787	17.764	17.954	VV	677819	9160239	75.40%	4.286%	
42	18.003	17.954	18.131	VV	633195	9060212	74.58%	4.239%	
Sum of corrected areas:						213730366			

Aromatic EPH 111424.M Sat Nov 23 04:16:18 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
 Data File : FC067856.D
 Signal(s) : FID1A.ch
 Acq On : 22 Nov 2024 15:09
 Operator : YP/AJ
 Sample : P4892-02MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 WB-310-BOTMSD

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Integration File: sample.E
 Quant Time: Nov 22 22:23:42 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 14:13:15 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.943	5268352	36.293 ug/ml
Spiked Amount 50.000		Recovery =	72.59%
Target Compounds			
1) T n-Nonane (C9)	3.288	4972098	30.482 ug/ml
2) T n-Decane (C10)	4.351	6112217	36.858 ug/ml
4) T n-Dodecane (C12)	6.365	7132822	42.349 ug/ml
6) T n-Tetradecane (C14)	8.157	8065933	48.163 ug/ml
7) T n-Hexadecane (C16)	9.756	9050665	52.226 ug/ml
8) T n-Octadecane (C18)	11.196	9583130	54.468 ug/ml
10) T n-Eicosane (C20)	12.503	9627469	57.175 ug/ml
11) T n-Heneicosane (C21)	13.114	9174075	55.756 ug/ml
13) T n-Docosane (C22)	13.699	9075628	55.729 ug/ml
14) T n-Tetracosane (C24)	14.800	8779553	54.742 ug/ml
15) T n-Hexacosane (C26)	15.819	8488364	54.813 ug/ml
16) T n-Octacosane (C28)	16.768	8213716	54.387 ug/ml
17) T n-Tricontane (C30)	17.653	8065058	52.675 ug/ml
18) T n-Dotriacontane (C32)	18.484	7821561	52.959 ug/ml
19) T n-Tetratriacontane (C34)	19.267	7576114	60.066 ug/ml
20) T n-Hexatriacontane (C36)	20.005	7207556	68.914 ug/ml
21) T n-Octatriacontane (C38)	20.730	7048775	72.159 ug/ml
22) T n-Tetracontane (C40)	21.621	6933249	71.135 ug/ml

(f)=RT Delta > 1/2 Window

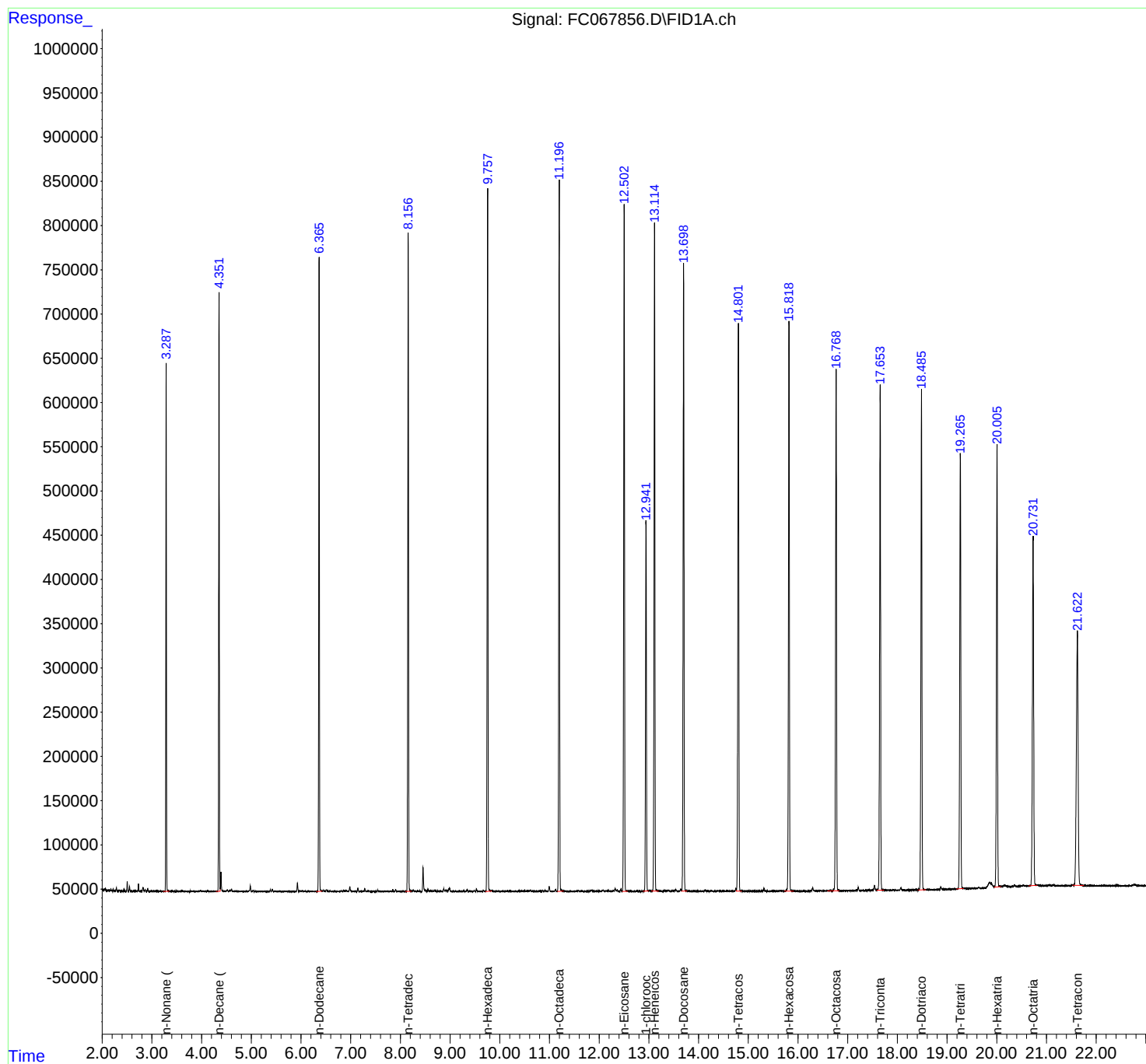
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
Data File : FC067856.D
Signal(s) : FID1A.ch
Acq On : 22 Nov 2024 15:09
Operator : YP/AJ
Sample : P4892-02MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-310-BOTMSD

Integration File: sample.E
Quant Time: Nov 22 22:23:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC112224AL\
 Data File : FC067856.D
 Signal(s) : FID1A.ch
 Acq On : 22 Nov 2024 15:09
 Sample : P4892-02MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	3.288	3.225	3.350	BB	594211	4972098	51.64%	3.322%
2	4.351	4.287	4.375	BV	675901	6112217	63.49%	4.084%
3	4.391	4.375	4.437	VB	21950	208702	2.17%	0.139%
4	4.981	4.870	5.017	BV	6424	84634	0.88%	0.057%
5	5.928	5.882	5.964	BV	9487	99018	1.03%	0.066%
6	6.365	6.305	6.429	BV	718700	7132822	74.09%	4.766%
7	6.983	6.949	7.040	BB	5525	74880	0.78%	0.050%
8	7.144	7.095	7.175	BB	4000	42111	0.44%	0.028%
9	7.284	7.190	7.305	BB	3361	53339	0.55%	0.036%
10	8.157	8.099	8.224	BV	745069	8065933	83.78%	5.389%
11	8.456	8.425	8.535	BV	27241	330343	3.43%	0.221%
12	9.756	9.707	9.842	BB	798762	9050665	94.01%	6.047%
13	10.994	10.940	11.032	BB	5606	66498	0.69%	0.044%
14	11.196	11.157	11.285	PB	795957	9583130	99.54%	6.403%
15	12.322	12.225	12.345	BV	2741	31494	0.33%	0.021%
16	12.503	12.461	12.574	PB	776301	9627469	100.00%	6.433%
17	12.943	12.880	12.999	BB	417894	5268352	54.72%	3.520%
18	13.114	13.045	13.199	BB	753227	9174075	95.29%	6.130%
19	13.699	13.660	13.770	VB	706738	9075628	94.27%	6.064%
20	14.800	14.762	14.870	VB	635383	8779553	91.19%	5.866%
21	15.819	15.729	15.910	BB	643987	8488364	88.17%	5.672%
22	16.297	16.247	16.332	BB	3797	51872	0.54%	0.035%
23	16.768	16.595	16.834	BB	591015	8213716	85.32%	5.488%
24	17.212	17.162	17.255	BB	3576	51594	0.54%	0.034%
25	17.539	17.504	17.574	BB	5716	83273	0.86%	0.056%
26	17.653	17.587	17.734	BB	568997	8065058	83.77%	5.389%
27	18.484	18.415	18.572	BB	554465	7821561	81.24%	5.226%
28	19.267	19.187	19.334	BV	489552	7576114	78.69%	5.062%
29	19.851	19.752	19.947	BV	5597	290848	3.02%	0.194%
30	20.005	19.947	20.085	VB	500091	7207556	74.86%	4.816%
31	20.730	20.640	20.809	BB	392623	7048775	73.22%	4.710%
32	21.621	21.520	21.755	BB	288015	6933249	72.02%	4.633%

Sum of corrected areas: 149664943

Aliphatic EPH 111424.M Sat Nov 23 04:05:59 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224AR\
 Data File : FD048807.D
 Signal(s) : FID2B.ch
 Acq On : 22 Nov 2024 15:09
 Operator : YP/AJ
 Sample : P4892-02MSD
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

WB-310-BOTMSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 11/25/2024

Supervised By :Ankita Jodhani 11/25/2024

Integration File: autoint1.e

Quant Time: Nov 22 23:10:03 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M

Quant Title : GC Extractables

Qlast Update : Thu Nov 14 14:16:25 2024

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.367	9192847	52.215 ug/ml
Spiked Amount 50.000		Recovery =	104.43%
6) S 2-Fluorobiphenyl (SURR)	8.218	5776105	50.153 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	100.31%
11) S ortho-Terphenyl (SURR)	11.254	6752416	35.107 ug/ml
Spiked Amount 50.000		Recovery =	70.21%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.190	7621930	40.443 ug/ml
2) T Naphthalene (C11.7)	5.707	8686067	44.413 ug/ml
3) T 2-Methylnaphthalene (...)	6.754	8558761	44.785 ug/ml
5) T Acenaphthylene (C15.06)	8.021	10039064	51.767 ug/ml
7) T Acenaphthene (C15.5)	8.317	10673367	55.491 ug/ml
8) T Flouorene (C16.55)	9.096	10927265	56.957 ug/ml
9) T Phenanthrene (C19.36)	10.485	11265249	61.457 ug/ml
10) T Anthracene (C19.43)	10.561	11392677	60.836 ug/ml
12) T Fluoranthene (C21.85)	12.293	11434019	62.439 ug/mlm
13) T Pyrene (C20.8)	12.585	11288673	62.440 ug/ml
14) T Benzo[a]anthracene (C...	14.456	10738978	65.282 ug/ml
15) T Chrysene (C27.41)	14.501	10712809	61.211 ug/ml
16) T benzo[b]fluoranthene ...	16.006	10199560	64.917 ug/ml
17) T Bnezo[k]fluoranthene ...	16.042	10288816	63.046 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.383	9637935	64.642 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.750	9752350	78.947 ug/ml
20) T Dibenz[a,h]anthracene...	17.788	9318588	59.425 ug/ml
21) T Benzo[g,h,i]perylene ...	18.004	9168571	64.257 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224AR\
Data File : FD048807.D
Signal(s) : FID2B.ch
Acq On : 22 Nov 2024 15:09
Operator : YP/AJ
Sample : P4892-02MSD
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

WB-310-BOTMSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2024

Supervised By :Ankita Jodhani 11/25/2024

Integration File: autoint1.e

Quant Time: Nov 22 23:10:03 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M

Quant Title : GC Extractables

QLast Update : Thu Nov 14 14:16:25 2024

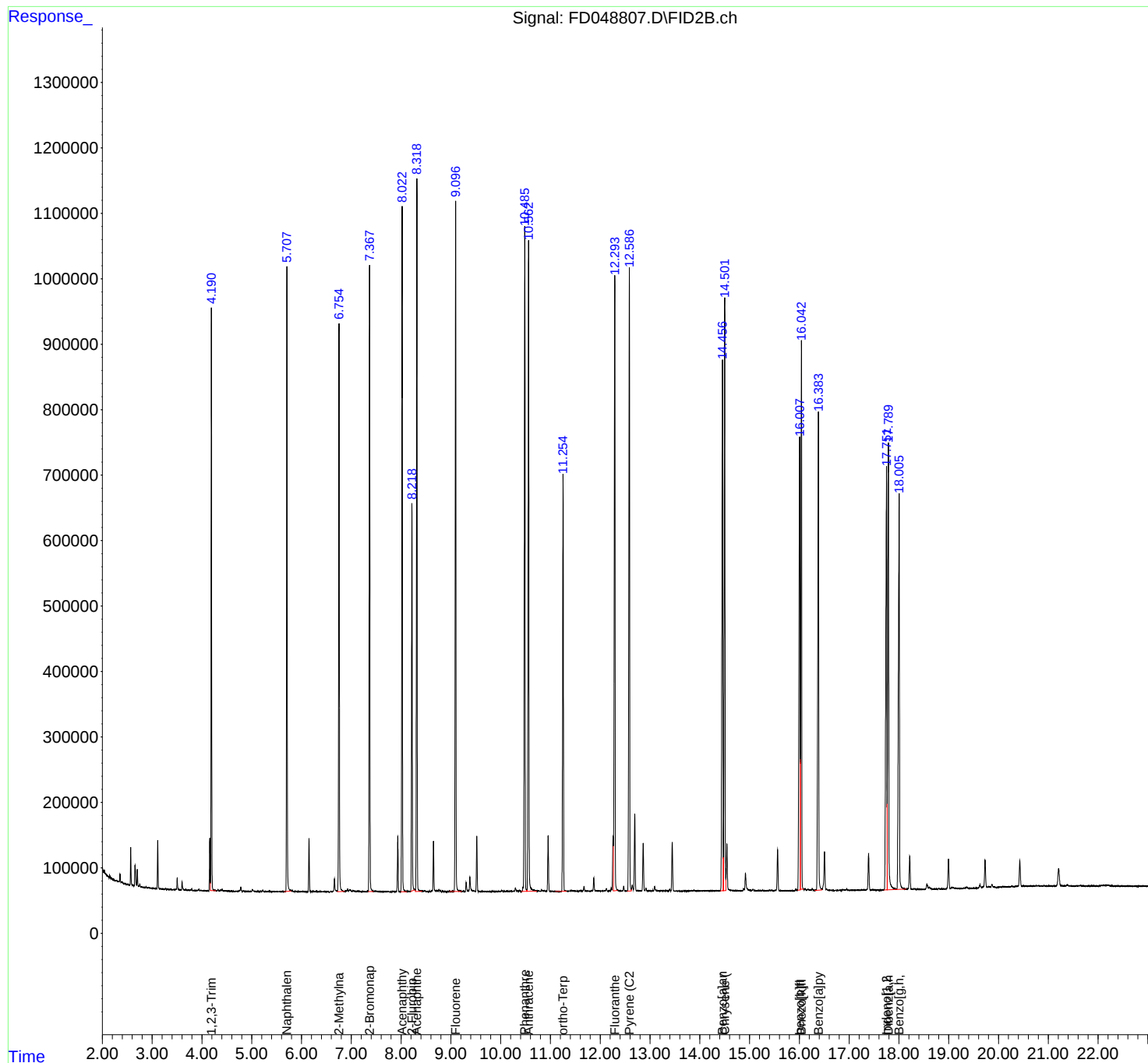
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rteres

Instrument :

FID_D

ClientSampleId :

WB-310-BOTMSD

Area Percent

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/25/2024
Supervised By :Ankita Jodhani 11/25/2024

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data
 Data File : FD048807.D
 Signal(s) : FID2B.ch
 Acq On : 22 Nov 2024 15:09
 Sample : P4892-02MSD
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH
 111424.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	4.190	4.170	4.288	VB	895396	7621930	61.97%	3.516%
2	5.707	5.648	5.797	BV	962590	8686067	70.63%	4.007%
3	6.151	6.088	6.214	BB	81336	783956	6.37%	0.362%
4	6.663	6.611	6.721	BV	19892	250701	2.04%	0.116%
5	6.754	6.721	6.871	VB	871368	8558761	69.59%	3.948%
6	7.367	7.338	7.451	VV	962250	9192847	74.75%	4.240%
7	7.934	7.864	7.989	BBA	84521	838156	6.81%	0.387%
8	8.021	7.991	8.108	BV	1040580	10039064	81.63%	4.631%
9	8.218	8.186	8.288	PV	592613	5874113	47.76%	2.710%
10	8.317	8.288	8.428	VB	1097615	10673367	86.78%	4.923%
11	8.651	8.598	8.698	PV	76335	767243	6.24%	0.354%
12	9.096	8.968	9.224	BB	1037083	10927265	88.85%	5.040%
13	9.308	9.224	9.338	BV	13969	164176	1.33%	0.076%
14	9.382	9.361	9.488	VB	22187	315593	2.57%	0.146%
15	9.521	9.488	9.574	BB	84624	907849	7.38%	0.419%
16	10.485	10.414	10.528	BV	1010592	11265249	91.60%	5.196%
17	10.561	10.528	10.731	VB	993508	11392677	92.63%	5.255%
18	10.955	10.911	10.991	PV	84711	944357	7.68%	0.436%
19	11.254	11.094	11.324	BB	639714	6752416	54.90%	3.115%
20	11.674	11.634	11.698	PV	7095	81049	0.66%	0.037%
21	11.870	11.761	11.938	BV	20148	245459	2.00%	0.113%
22	12.292	12.232	12.421	VB	928987	12298828	100.00%	5.673%
23	12.471	12.421	12.521	BB	7245	82212	0.67%	0.038%
24	12.585	12.544	12.624	BV	946457	11288673	91.79%	5.207%
25	12.644	12.624	12.666	VV	9103	135480	1.10%	0.062%

Instrument : FID_D ClientSampleId : WB-310-BOTMSD									
Manual IntegrationsAPPROVED									
Reviewed By :Yogesh Patel 11/25/2024 Supervised By :Ankita Jodhani 11/25/2024									
26	12.694	12.666	12.774	VB	118383	1372255	11.16%	0.633%	
27	12.864	12.794	12.894	BV	72695				
28	13.093	13.021	13.171	BB	7088				
29	13.447	13.418	13.518	VB	74550				
30	14.456	14.408	14.474	BV	800038	10			
31	14.501	14.474	14.524	VV	910434	10712809	87.10%	4.941%	
32	14.544	14.524	14.634	VB	71290	983847	8.00%	0.454%	
33	14.918	14.894	15.024	VB	26331	424200	3.45%	0.196%	
34	15.563	15.478	15.631	BB	63111	810475	6.59%	0.374%	
35	16.006	15.961	16.021	BV	704744	10199560	82.93%	4.705%	
36	16.041	16.021	16.096	VV	833731	10150413	82.53%	4.682%	
37	16.383	16.304	16.451	BV	711815	9637935	78.36%	4.446%	
38	16.505	16.451	16.535	VV	58424	835029	6.79%	0.385%	
39	17.391	17.304	17.448	BV	56008	743079	6.04%	0.343%	
40	17.750	17.701	17.764	BV	649727	9752350	79.29%	4.498%	
41	17.788	17.764	17.951	VV	665201	9318588	75.77%	4.298%	
42	18.004	17.951	18.144	VV	607819	9168571	74.55%	4.229%	
Sum of corrected areas:						216795338			

Aromatic EPH 111424.M Sat Nov 23 04:16:41 2024

Manual Integration Report

Sequence:

FC111424AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
5 PPM ALIPHATIC HC	FC067752.D	n-Hexatriacontane (C36)	yogesh	11/15/2024 9:29:46 AM	Ankita	11/15/2024 10:13:22	Peak Integrated by Software

Manual Integration Report

Sequence:	FC112124AL	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	FC067839.D	n-Octacosane (C28)	yogesh	11/22/2024 8:45:03 AM	Ankita	11/22/2024 11:30:48	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067839.D	n-Tetratriacontane (C34)	yogesh	11/22/2024 8:45:03 AM	Ankita	11/22/2024 11:30:48	Peak Integrated by Software
PB165151BS	FC067841.D	A~2-methylnaphthalene (C12.89)	yogesh	11/22/2024 8:45:04 AM	Ankita	11/22/2024 11:30:50	Peak Integrated by Software
PB165151BS	FC067841.D	A~Naphthalene (C11.7)	yogesh	11/22/2024 8:45:04 AM	Ankita	11/22/2024 11:30:50	Peak Integrated by Software
PB165151BS	FC067841.D	n-Tetracontane (C40)	yogesh	11/22/2024 8:45:04 AM	Ankita	11/22/2024 11:30:50	Peak Integrated by Software
PB165151BS	FC067841.D	n-Tetracosane (C24)	yogesh	11/22/2024 8:45:04 AM	Ankita	11/22/2024 11:30:50	Peak Integrated by Software
PB165151BS	FC067841.D	ortho-Terphenyl (SURR)	yogesh	11/22/2024 8:45:04 AM	Ankita	11/22/2024 11:30:50	Peak Integrated by Software
PB165151BSD	FC067842.D	A~2-methylnaphthalene (C12.89)	yogesh	11/22/2024 8:45:06 AM	Ankita	11/22/2024 11:30:51	Peak Integrated by Software
PB165151BSD	FC067842.D	A~Naphthalene (C11.7)	yogesh	11/22/2024 8:45:06 AM	Ankita	11/22/2024 11:30:51	Peak Integrated by Software
PB165151BSD	FC067842.D	n-Hexacosane (C26)	yogesh	11/22/2024 8:45:06 AM	Ankita	11/22/2024 11:30:51	Peak Integrated by Software
PB165151BSD	FC067842.D	n-Hexatriacontane (C36)	yogesh	11/22/2024 8:45:06 AM	Ankita	11/22/2024 11:30:51	Peak Integrated by Software
PB165151BSD	FC067842.D	n-Tetracosane (C24)	yogesh	11/22/2024 8:45:06 AM	Ankita	11/22/2024 11:30:51	Peak Integrated by Software
PB165151BSD	FC067842.D	ortho-Terphenyl (SURR)	yogesh	11/22/2024 8:45:06 AM	Ankita	11/22/2024 11:30:51	Peak Integrated by Software

Manual Integration Report

Sequence:	FC112124AL	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	FC067845.D	n-Octacosane (C28)	yogesh	11/22/2024 8:45:08 AM	Ankita	11/22/2024 11:30:52	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067845.D	n-Octatriacontane (C38)	yogesh	11/22/2024 8:45:08 AM	Ankita	11/22/2024 11:30:52	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067845.D	n-Tetracontane (C40)	yogesh	11/22/2024 8:45:08 AM	Ankita	11/22/2024 11:30:52	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067845.D	n-Tetratriacontane (C34)	yogesh	11/22/2024 8:45:08 AM	Ankita	11/22/2024 11:30:52	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067845.D	n-Tricontane (C30)	yogesh	11/22/2024 8:45:08 AM	Ankita	11/22/2024 11:30:52	Peak Integrated by Software

Manual Integration Report

Sequence:	FC112224AL	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	FC067848.D	n-Octadecane (C18)	yogesh	11/25/2024 8:49:27 AM	Ankita	11/25/2024 9:30:48	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067848.D	n-Tetracontane (C40)	yogesh	11/25/2024 8:49:27 AM	Ankita	11/25/2024 9:30:48	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067848.D	n-Tetratriacontane (C34)	yogesh	11/25/2024 8:49:27 AM	Ankita	11/25/2024 9:30:48	Peak Integrated by Software
PB165188BS	FC067850.D	n-Hexacosane (C26)	yogesh	11/25/2024 8:49:29 AM	Ankita	11/25/2024 9:30:49	Peak Integrated by Software
PB165188BS	FC067850.D	n-Tetracosane (C24)	yogesh	11/25/2024 8:49:29 AM	Ankita	11/25/2024 9:30:49	Peak Integrated by Software
P4892-01	FC067852.D	1-chlorooctadecane (SURR)	yogesh	11/25/2024 8:49:31 AM	Ankita	11/25/2024 9:30:50	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067858.D	n-Octacosane (C28)	yogesh	11/25/2024 8:49:32 AM	Ankita	11/25/2024 9:30:52	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067858.D	n-Octadecane (C18)	yogesh	11/25/2024 8:49:32 AM	Ankita	11/25/2024 9:30:52	Peak Integrated by Software

Manual Integration Report

Sequence:

FD111424AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
10 PPM AROMATIC HC	FD048732.D	Acenaphthylene (C15.06)	yogesh	11/15/2024 9:30:06 AM	Ankita	11/15/2024 10:08:28	Peak Integrated by Software
5 PPM AROMATIC HC	FD048733.D	Acenaphthylene (C15.06)	yogesh	11/15/2024 9:30:08 AM	Ankita	11/15/2024 10:08:30	Peak Integrated by Software

Manual Integration Report

Sequence:

FD112124AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB165151BS	FD048792.D	2-Fluorobiphenyl (SURR)	yogesh	11/29/2024 12:43:58 AM	mohammad	11/29/2024 12:52:49	Peak Integrated by Software
PB165151BS	FD048792.D	Fluoranthene (C21.85)	yogesh	11/29/2024 12:43:58 AM	mohammad	11/29/2024 12:52:49	Peak Integrated by Software
PB165151BS	FD048792.D	Phenanthrene (C19.36)	yogesh	11/29/2024 12:43:58 AM	mohammad	11/29/2024 12:52:49	Peak Integrated by Software
PB165151BSD	FD048793.D	Fluoranthene (C21.85)	yogesh	11/29/2024 12:43:59 AM	mohammad	11/29/2024 12:52:52	Peak Integrated by Software
20 PPM AROMATIC HC	FD048796.D	ortho-Terphenyl (SURR)	yogesh	11/22/2024 8:45:28 AM	Ankita	11/22/2024 11:30:36	Peak Integrated by Software

Manual Integration Report

Sequence:	FD112224AR	Instrument	FID_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FD048799.D	Benzo[a]pyrene (C31.34)	yogesh	11/25/2024 8:49:56 AM	Ankita	11/25/2024 9:32:02	Peak Integrated by Software
PB165188BS	FD048801.D	Bnezo[k]fluoranthene (C30.14)	yogesh	11/25/2024 8:49:58 AM	Ankita	11/25/2024 9:32:05	Peak Integrated by Software
PB165188BSD	FD048802.D	Bnezo[k]fluoranthene (C30.14)	yogesh	11/25/2024 8:50:00 AM	Ankita	11/25/2024 9:32:06	Peak Integrated by Software
P4892-02MS	FD048806.D	Bnezo[k]fluoranthene (C30.14)	yogesh	11/25/2024 8:50:01 AM	Ankita	11/25/2024 9:32:08	Peak Integrated by Software
P4892-02MSD	FD048807.D	2-Fluorobiphenyl (SURR)	yogesh	11/25/2024 8:50:03 AM	Ankita	11/25/2024 9:32:09	Peak Integrated by Software
P4892-02MSD	FD048807.D	Bnezo[k]fluoranthene (C30.14)	yogesh	11/25/2024 8:50:03 AM	Ankita	11/25/2024 9:32:09	Peak Integrated by Software
20 PPM AROMATIC HC	FD048809.D	Benzo[g,h,i]perylene (C34.01)	yogesh	11/25/2024 8:50:05 AM	Ankita	11/25/2024 9:32:11	Peak Integrated by Software

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC111424AL

Review By	yogesh	Review On	11/14/2024 11:18:40 AM
Supervise By	Ankita	Supervise On	11/15/2024 10:13:25 AM
SubDirectory	FC111424AL	HP Acquire Method	HP Processing Method FC111424AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC Internal Standard/PEM	PP23647		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23645,PP23650		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC067746.D	14 Nov 2024 08:52	YP/AJ	Ok
2	I.BLK	FC067747.D	14 Nov 2024 09:27	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC067748.D	14 Nov 2024 10:39	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC067749.D	14 Nov 2024 11:15	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC067750.D	14 Nov 2024 11:51	YP/AJ	Ok
6	10 PPM ALIHPHATIC HC STD4	FC067751.D	14 Nov 2024 12:27	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC067752.D	14 Nov 2024 13:03	YP/AJ	Ok,M
8	20 PPM ALIPHATIC HC STD ICV	FC067753.D	14 Nov 2024 13:49	YP/AJ	Ok
9	I.BLK	FC067754.D	14 Nov 2024 14:24	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC067755.D	14 Nov 2024 15:00	YP/AJ	Ok
11	PB164966BL	FC067756.D	14 Nov 2024 15:36	YP/AJ	Ok
12	PB164966BS	FC067757.D	14 Nov 2024 16:13	YP/AJ	Ok
13	PB164966BSD	FC067758.D	14 Nov 2024 16:49	YP/AJ	Ok
14	P4833-01	FC067759.D	14 Nov 2024 17:25	YP/AJ	Ok
15	P4833-01D	FC067760.D	14 Nov 2024 18:02	YP/AJ	Ok
16	P4833-01MS	FC067761.D	14 Nov 2024 18:38	YP/AJ	Ok
17	P4833-01MSD	FC067762.D	14 Nov 2024 19:14	YP/AJ	Ok
18	P4833-02	FC067763.D	15 Nov 2024 02:06	YP/AJ	Ok
19	P4833-05	FC067764.D	15 Nov 2024 02:41	YP/AJ	Ok
20	P4833-06	FC067765.D	15 Nov 2024 03:17	YP/AJ	Ok
21	I.BLK	FC067766.D	15 Nov 2024 04:58	YP/AJ	Ok

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC111424AL

Review By	yogesh	Review On	11/14/2024 11:18:40 AM
Supervise By	Ankita	Supervise On	11/15/2024 10:13:25 AM
SubDirectory	FC111424AL	HP Acquire Method	HP Processing Method FC111424AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC Internal Standard/PEM	PP23647		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23645,PP23650		

22	20 PPM ALIPHATIC HC STD	FC067767.D	15 Nov 2024 05:34	YP/AJ	Ok
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M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC112124AL

Review By	yogesh	Review On	11/21/2024 11:18:29 AM
Supervise By	Ankita	Supervise On	11/22/2024 11:30:56 AM
SubDirectory	FC112124AL	HP Acquire Method	HP Processing Method FC111424AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC Internal Standard/PEM	PP23647		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23645,PP23650		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC067837.D	21 Nov 2024 09:26	YP/AJ	Ok
2	I.BLK	FC067838.D	21 Nov 2024 10:02	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC067839.D	21 Nov 2024 10:39	YP/AJ	Ok,M
4	PB165151BL	FC067840.D	21 Nov 2024 11:16	YP/AJ	Ok
5	PB165151BS	FC067841.D	21 Nov 2024 11:53	YP/AJ	Ok,M
6	PB165151BSD	FC067842.D	21 Nov 2024 12:31	YP/AJ	Ok,M
7	P4892-04	FC067843.D	21 Nov 2024 13:08	YP/AJ	Ok
8	I.BLK	FC067844.D	21 Nov 2024 13:46	YP/AJ	Ok
9	20 PPM ALIPHATIC HC STD	FC067845.D	21 Nov 2024 14:23	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC112224AL

Review By	yogesh	Review On	11/22/2024 11:08:51 AM
Supervise By	Ankita	Supervise On	11/25/2024 9:30:58 AM
SubDirectory	FC112224AL	HP Acquire Method	HP Processing Method FC111424AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC Internal Standard/PEM	PP23647		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23645,PP23650		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC067846.D	22 Nov 2024 09:07	YP/AJ	Ok
2	I.BLK	FC067847.D	22 Nov 2024 09:43	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC067848.D	22 Nov 2024 10:19	YP/AJ	Ok,M
4	PB165188BL	FC067849.D	22 Nov 2024 10:55	YP/AJ	Ok
5	PB165188BS	FC067850.D	22 Nov 2024 11:32	YP/AJ	Ok,M
6	PB165188BSD	FC067851.D	22 Nov 2024 12:08	YP/AJ	Ok
7	P4892-01	FC067852.D	22 Nov 2024 12:44	YP/AJ	Ok,M
8	P4892-02	FC067853.D	22 Nov 2024 13:20	YP/AJ	Ok
9	P4892-02D	FC067854.D	22 Nov 2024 13:56	YP/AJ	Ok
10	P4892-02MS	FC067855.D	22 Nov 2024 14:33	YP/AJ	Ok
11	P4892-02MSD	FC067856.D	22 Nov 2024 15:09	YP/AJ	Ok
12	I.BLK	FC067857.D	22 Nov 2024 15:45	YP/AJ	Ok
13	20 PPM ALIPHATIC HC STD	FC067858.D	22 Nov 2024 16:57	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD111424AR

Review By	yogesh	Review On	11/14/2024 11:28:45 AM
Supervise By	Ankita	Supervise On	11/15/2024 10:08:51 AM
SubDirectory	FD111424AR	HP Acquire Method	HP Processing Method FD111424AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC	PP23971		
Internal Standard/PEM			
ICV/I.BLK	PP23969,PP23974		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048727.D	14 Nov 2024 08:52	YP/AJ	Ok
2	I.BLK	FD048728.D	14 Nov 2024 09:27	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD048729.D	14 Nov 2024 10:39	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD048730.D	14 Nov 2024 11:15	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD048731.D	14 Nov 2024 11:51	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD048732.D	14 Nov 2024 12:27	YP/AJ	Ok,M
7	5 PPM AROMATIC HC STD5	FD048733.D	14 Nov 2024 13:03	YP/AJ	Ok,M
8	20 PPM AROMATIC HC STD ICV	FD048734.D	14 Nov 2024 13:49	YP/AJ	Ok
9	I.BLK	FD048735.D	14 Nov 2024 14:24	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD048736.D	14 Nov 2024 15:00	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD112124AR

Review By	yogesh	Review On	11/21/2024 11:19:17 AM
Supervise By	mohammad	Supervise On	11/29/2024 12:53:02 AM
SubDirectory	FD112124AR	HP Acquire Method	HP Processing Method FD111424AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC Internal Standard/PEM	PP23971		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23969,PP23974		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048788.D	21 Nov 2024 09:26	YP/AJ	Ok
2	I.BLK	FD048789.D	21 Nov 2024 10:02	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD048790.D	21 Nov 2024 10:39	YP/AJ	Ok
4	PB165151BL	FD048791.D	21 Nov 2024 11:16	YP/AJ	Ok
5	PB165151BS	FD048792.D	21 Nov 2024 11:53	YP/AJ	Ok,M
6	PB165151BSD	FD048793.D	21 Nov 2024 12:31	YP/AJ	Ok,M
7	P4892-04	FD048794.D	21 Nov 2024 13:08	YP/AJ	Ok
8	I.BLK	FD048795.D	21 Nov 2024 13:46	YP/AJ	Ok
9	20 PPM AROMATIC HC STD	FD048796.D	21 Nov 2024 14:23	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD112224AR

Review By	yogesh	Review On	11/22/2024 11:10:19 AM
Supervise By	Ankita	Supervise On	11/25/2024 9:32:15 AM
SubDirectory	FD112224AR	HP Acquire Method	HP Processing Method FD111424AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC Internal Standard/PEM	PP23971		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23969,PP23974		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048797.D	22 Nov 2024 09:07	YP/AJ	Ok
2	I.BLK	FD048798.D	22 Nov 2024 09:43	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD048799.D	22 Nov 2024 10:19	YP/AJ	Ok,M
4	PB165188BL	FD048800.D	22 Nov 2024 10:55	YP/AJ	Ok
5	PB165188BS	FD048801.D	22 Nov 2024 11:32	YP/AJ	Ok,M
6	PB165188BSD	FD048802.D	22 Nov 2024 12:08	YP/AJ	Ok,M
7	P4892-01	FD048803.D	22 Nov 2024 12:44	YP/AJ	Ok
8	P4892-02	FD048804.D	22 Nov 2024 13:20	YP/AJ	Ok
9	P4892-02D	FD048805.D	22 Nov 2024 13:56	YP/AJ	Ok
10	P4892-02MS	FD048806.D	22 Nov 2024 14:33	YP/AJ	Ok,M
11	P4892-02MSD	FD048807.D	22 Nov 2024 15:09	YP/AJ	Ok,M
12	I.BLK	FD048808.D	22 Nov 2024 15:45	YP/AJ	Ok
13	20 PPM AROMATIC HC STD	FD048809.D	22 Nov 2024 16:21	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC111424AL

Review By	yogesh	Review On	11/14/2024 11:18:40 AM
Supervise By	Ankita	Supervise On	11/15/2024 10:13:25 AM
SubDirectory	FC111424AL	HP Acquire Method	HP Processing Method FC111424AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC	PP23647		
Internal Standard/PEM			
ICV/I.BLK	PP23645,PP23650		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC067746.D	14 Nov 2024 08:52		YP/AJ	Ok
2	I.BLK	I.BLK	FC067747.D	14 Nov 2024 09:27		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC067748.D	14 Nov 2024 10:39		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC067749.D	14 Nov 2024 11:15		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067750.D	14 Nov 2024 11:51		YP/AJ	Ok
6	10 PPM ALIHPHATIC H	10 PPM ALIHPHATIC H	FC067751.D	14 Nov 2024 12:27		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC067752.D	14 Nov 2024 13:03		YP/AJ	Ok,M
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067753.D	14 Nov 2024 13:49		YP/AJ	Ok
9	I.BLK	I.BLK	FC067754.D	14 Nov 2024 14:24		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067755.D	14 Nov 2024 15:00		YP/AJ	Ok
11	PB164966BL	PB164966BL	FC067756.D	14 Nov 2024 15:36		YP/AJ	Ok
12	PB164966BS	PB164966BS	FC067757.D	14 Nov 2024 16:13		YP/AJ	Ok
13	PB164966BSD	PB164966BSD	FC067758.D	14 Nov 2024 16:49		YP/AJ	Ok
14	P4833-01	MH-731	FC067759.D	14 Nov 2024 17:25		YP/AJ	Ok
15	P4833-01D	P4833-01D	FC067760.D	14 Nov 2024 18:02		YP/AJ	Ok
16	P4833-01MS	MH-731MS	FC067761.D	14 Nov 2024 18:38	FC067759.D	YP/AJ	Ok
17	P4833-01MSD	P4833-01MSD	FC067762.D	14 Nov 2024 19:14	FC067759.D!FC067762.D	YP/AJ	Ok
18	P4833-02	MH-731-EPH	FC067763.D	15 Nov 2024 02:06		YP/AJ	Ok

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC111424AL

Review By	yogesh	Review On	11/14/2024 11:18:40 AM
Supervise By	Ankita	Supervise On	11/15/2024 10:13:25 AM
SubDirectory	FC111424AL	HP Acquire Method	HP Processing Method FC111424AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC	PP23647		
Internal Standard/PEM			
ICV/I.BLK	PP23645,PP23650		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	P4833-05	TP-2	FC067764.D	15 Nov 2024 02:41		YP/AJ	Ok
20	P4833-06	TP-2-EPH	FC067765.D	15 Nov 2024 03:17		YP/AJ	Ok
21	I.BLK	I.BLK	FC067766.D	15 Nov 2024 04:58		YP/AJ	Ok
22	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067767.D	15 Nov 2024 05:34		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC112124AL

Review By	yogesh	Review On	11/21/2024 11:18:29 AM
Supervise By	Ankita	Supervise On	11/22/2024 11:30:56 AM
SubDirectory	FC112124AL	HP Acquire Method	HP Processing Method FC111424AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC	PP23647		
Internal Standard/PEM	PP23645,PP23650		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC067837.D	21 Nov 2024 09:26		YP/AJ	Ok
2	I.BLK	I.BLK	FC067838.D	21 Nov 2024 10:02		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067839.D	21 Nov 2024 10:39		YP/AJ	Ok,M
4	PB165151BL	PB165151BL	FC067840.D	21 Nov 2024 11:16		YP/AJ	Ok
5	PB165151BS	PB165151BS	FC067841.D	21 Nov 2024 11:53		YP/AJ	Ok,M
6	PB165151BSD	PB165151BSD	FC067842.D	21 Nov 2024 12:31		YP/AJ	Ok,M
7	P4892-04	WB-310-SW	FC067843.D	21 Nov 2024 13:08		YP/AJ	Ok
8	I.BLK	I.BLK	FC067844.D	21 Nov 2024 13:46		YP/AJ	Ok
9	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067845.D	21 Nov 2024 14:23		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC112224AL

Review By	yogesh	Review On	11/22/2024 11:08:51 AM
Supervise By	Ankita	Supervise On	11/25/2024 9:30:58 AM
SubDirectory	FC112224AL	HP Acquire Method	HP Processing Method FC111424AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC	PP23647		
Internal Standard/PEM			
ICV/I.BLK	PP23645,PP23650		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC067846.D	22 Nov 2024 09:07		YP/AJ	Ok
2	I.BLK	I.BLK	FC067847.D	22 Nov 2024 09:43		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067848.D	22 Nov 2024 10:19		YP/AJ	Ok,M
4	PB165188BL	PB165188BL	FC067849.D	22 Nov 2024 10:55		YP/AJ	Ok
5	PB165188BS	PB165188BS	FC067850.D	22 Nov 2024 11:32		YP/AJ	Ok,M
6	PB165188BSD	PB165188BSD	FC067851.D	22 Nov 2024 12:08		YP/AJ	Ok
7	P4892-01	WB-310-TOP	FC067852.D	22 Nov 2024 12:44		YP/AJ	Ok,M
8	P4892-02	WB-310-BOT	FC067853.D	22 Nov 2024 13:20		YP/AJ	Ok
9	P4892-02D	P4892-02D	FC067854.D	22 Nov 2024 13:56		YP/AJ	Ok
10	P4892-02MS	WB-310-BOTMS	FC067855.D	22 Nov 2024 14:33	FC067853.D	YP/AJ	Ok
11	P4892-02MSD	WB-310-BOTMSD	FC067856.D	22 Nov 2024 15:09	FC067853.D!FC067855.D	YP/AJ	Ok
12	I.BLK	I.BLK	FC067857.D	22 Nov 2024 15:45		YP/AJ	Ok
13	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067858.D	22 Nov 2024 16:57		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD111424AR

Review By	yogesh	Review On	11/14/2024 11:28:45 AM
Supervise By	Ankita	Supervise On	11/15/2024 10:08:51 AM
SubDirectory	FD111424AR	HP Acquire Method	HP Processing Method FD111424AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC	PP23971		
Internal Standard/PEM			
ICV/I.BLK	PP23969,PP23974		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048727.D	14 Nov 2024 08:52		YP/AJ	Ok
2	I.BLK	I.BLK	FD048728.D	14 Nov 2024 09:27		YP/AJ	Ok
3	100 PPM AROMATIC HC	100 PPM AROMATIC HC	FD048729.D	14 Nov 2024 10:39		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD048730.D	14 Nov 2024 11:15		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048731.D	14 Nov 2024 11:51		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD048732.D	14 Nov 2024 12:27		YP/AJ	Ok,M
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD048733.D	14 Nov 2024 13:03		YP/AJ	Ok,M
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048734.D	14 Nov 2024 13:49		YP/AJ	Ok
9	I.BLK	I.BLK	FD048735.D	14 Nov 2024 14:24		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048736.D	14 Nov 2024 15:00		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD112124AR

Review By	yogesh	Review On	11/21/2024 11:19:17 AM
Supervise By	mohammad	Supervise On	11/29/2024 12:53:02 AM
SubDirectory	FD112124AR	HP Acquire Method	HP Processing Method FD111424AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC	PP23971		
Internal Standard/PEM	PP23969,PP23974		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048788.D	21 Nov 2024 09:26		YP/AJ	Ok
2	I.BLK	I.BLK	FD048789.D	21 Nov 2024 10:02		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048790.D	21 Nov 2024 10:39		YP/AJ	Ok
4	PB165151BL	PB165151BL	FD048791.D	21 Nov 2024 11:16		YP/AJ	Ok
5	PB165151BS	PB165151BS	FD048792.D	21 Nov 2024 11:53		YP/AJ	Ok,M
6	PB165151BSD	PB165151BSD	FD048793.D	21 Nov 2024 12:31		YP/AJ	Ok,M
7	P4892-04	WB-310-SW	FD048794.D	21 Nov 2024 13:08		YP/AJ	Ok
8	I.BLK	I.BLK	FD048795.D	21 Nov 2024 13:46		YP/AJ	Ok
9	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048796.D	21 Nov 2024 14:23		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD112224AR

Review By	yogesh	Review On	11/22/2024 11:10:19 AM
Supervise By	Ankita	Supervise On	11/25/2024 9:32:15 AM
SubDirectory	FD112224AR	HP Acquire Method	HP Processing Method FD111424AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC	PP23971		
Internal Standard/PEM	PP23969,PP23974		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048797.D	22 Nov 2024 09:07		YP/AJ	Ok
2	I.BLK	I.BLK	FD048798.D	22 Nov 2024 09:43		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048799.D	22 Nov 2024 10:19		YP/AJ	Ok,M
4	PB165188BL	PB165188BL	FD048800.D	22 Nov 2024 10:55		YP/AJ	Ok
5	PB165188BS	PB165188BS	FD048801.D	22 Nov 2024 11:32		YP/AJ	Ok,M
6	PB165188BSD	PB165188BSD	FD048802.D	22 Nov 2024 12:08		YP/AJ	Ok,M
7	P4892-01	WB-310-TOP	FD048803.D	22 Nov 2024 12:44		YP/AJ	Ok
8	P4892-02	WB-310-BOT	FD048804.D	22 Nov 2024 13:20		YP/AJ	Ok
9	P4892-02D	P4892-02D	FD048805.D	22 Nov 2024 13:56		YP/AJ	Ok
10	P4892-02MS	WB-310-BOTMS	FD048806.D	22 Nov 2024 14:33	FD048804.D	YP/AJ	Ok,M
11	P4892-02MSD	WB-310-BOTMSD	FD048807.D	22 Nov 2024 15:09	FD048804.D!FD048806.D	YP/AJ	Ok,M
12	I.BLK	I.BLK	FD048808.D	22 Nov 2024 15:45		YP/AJ	Ok
13	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048809.D	22 Nov 2024 16:21		YP/AJ	Ok,M

M : Manual Integration

SOP ID:	MNJDEP-EPH-7		
Clean Up SOP #:	N/A	Extraction Start Date :	11/20/2024
Matrix :	Water	Extraction Start Time :	08:28
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Extraction End Date :	11/20/2024
Balance ID:	N/A	Filter By:	RS
pH Strip Lot#:	E3574	Extraction End Time :	16:40
		Concentration By:	EH
		Supervisor By :	rajesh
Extraction Method:	☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet		

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP23988
Surrogate	1.0ML	100 PPM	PP23989
Fractionation Surrogate	1.0ML	100 PPM	PP23948
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	E3829
Baked Na2SO4	N/A	EP2562
Hexane	N/A	E3826
6N HCL	N/A	EP2517
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

KD Bath ID:	WATER BATH-1,2	Envap ID:	NE VAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/20/24	RP (Set 206)	YP-POST-IPCB
16:45	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 11/20/2024

Sample ID	Client Sample ID	Test	g (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165151BL	PB165151BL	EPH	1000	<2	RUPESH	rajesh	2			SEP-09
PB165151BS	PB165151BS	EPH	1000	<2	RUPESH	rajesh	2			10
PB165151BSD	PB165151BSD	EPH	1000	<2	RUPESH	rajesh	2			11
P4892-04	WB-310-SW	EPH	1000	<2	RUPESH	rajesh	2	F		12

* Extracts relinquished on the same date as received.

2
11/20/24

16751
8-21-24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4892S WorkList ID : 185628 Department : Extraction Date : 11-20-2024 08:15:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4892-04	WB-310-SW	Water	EPH	1:1 HCl to pH < 2	PORT06	M11	11/15/2024	NJEPH
P4892-04	WB-310-SW	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	M11	11/15/2024	8270E

Date/Time 11/20/24 8:18
Raw Sample Received by: RS (EPH 6-5)
Raw Sample Relinquished by: JD CSM

Date/Time 11/20/24 8:25
Raw Sample Received by: JD CSM
Raw Sample Relinquished by: RS (EPH 6-5)



SOP ID:	MNJDEP-EPH-7		
Clean Up SOP #:	N/A	Extraction Start Date :	11/21/2024
Matrix :	Solid	Extraction Start Time :	08:35
Welgh By:	EH	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
		Concentration By:	EH
		Supervisor By :	rajesh

Extraction Method:
☐ Seperatory Funnel
 ☐ Continious Liquid/Liquid
 ☐ Sonication
 ☐ Waste Dilution
 ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP23988
Surrogate	1.0ML	100 PPM	PP23989
Fractionation Surrogate	1.0ML	100 PPM	PP23948
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2560
Baked Na2SO4	N/A	EP2562
Sand	N/A	E2865
Hexane	N/A	E3826
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 lot3 2210673.

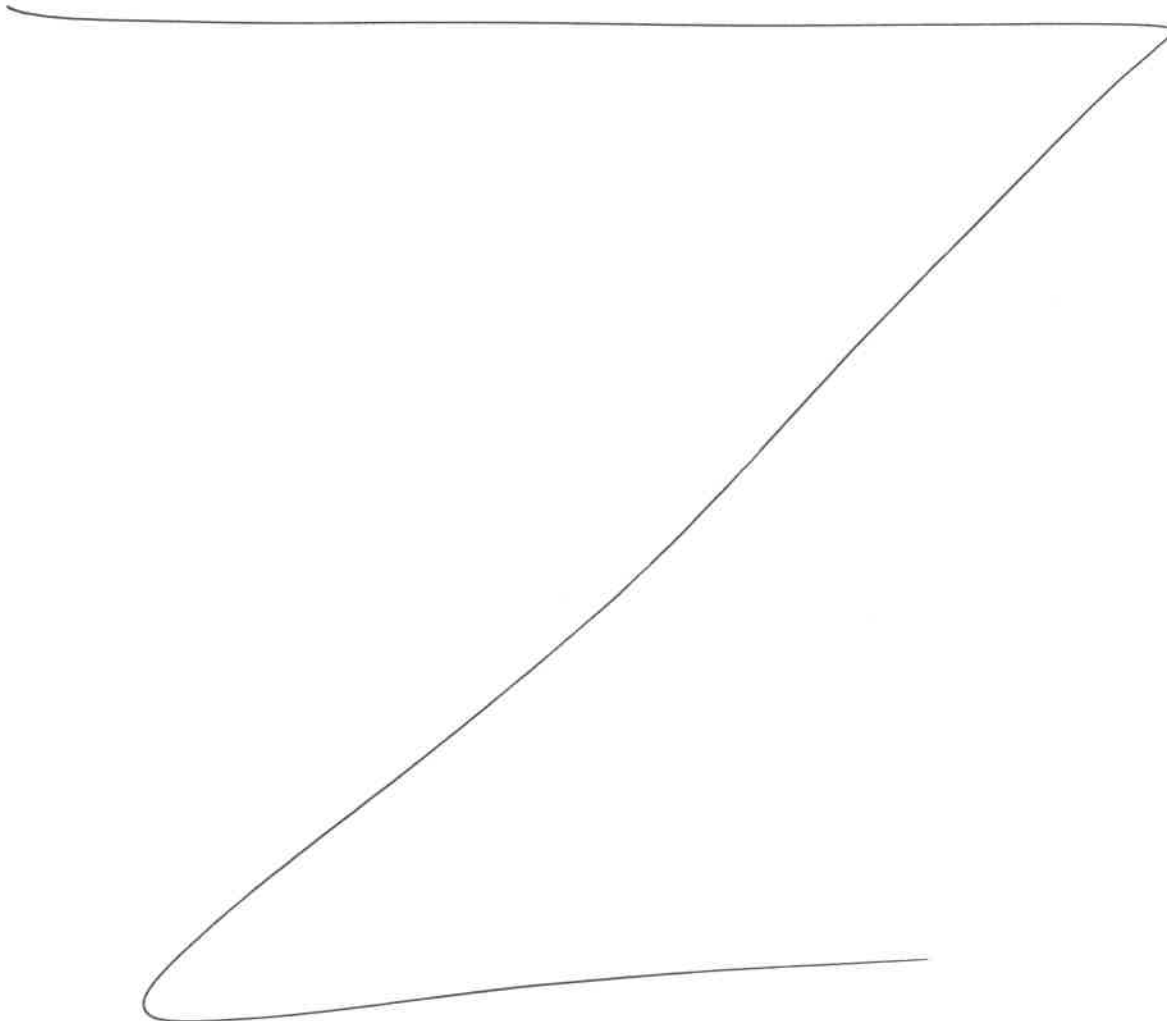
KD Bath ID:	N/A	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/21/24	RP (EH Lab)	Y.P. Pest/PCB
16:30	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 11/21/2024

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165188BL	PB165188BL	EPH	30.03	N/A	ritesh	Evelyn	2			2
PB165188BS	PB165188BS	EPH	30.01	N/A	ritesh	Evelyn	2			U5-1
PB165188BS D	PB165188BSD	EPH	30.02	N/A	ritesh	Evelyn	2			2
P4892-01	WB-310-TOP	EPH	30.04	N/A	ritesh	Evelyn	2			3
P4892-02	WB-310-BOT	EPH	30.02	N/A	ritesh	Evelyn	2			4
P4892-02DUP	WB-310-BOTDUP	EPH	30.05	N/A	ritesh	Evelyn	2			5
P4892-02MS	WB-310-BOTMS	EPH	30.03	N/A	ritesh	Evelyn	2			6
P4892-02MS D	WB-310-BOTMSD	EPH	30.06	N/A	ritesh	Evelyn	2			U1-1



* Extracts relinquished on the same date as received.

[Signature]
11/21/24

8:35
(6798)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p4892nj WorkList ID : 185682 Department : Extraction Date : 11-21-2024 08:32:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4892-01	WB-310-TOP	Solid	EPH	Cool 4 deg C	PORT06	M11	11/15/2024	NJEPH
P4892-02	WB-310-BOT	Solid	EPH	Cool 4 deg C	PORT06	M11	11/15/2024	NJEPH

Date/Time 11/21/24 8:34
Raw Sample Received by: RJ (8:34 9:05)
Raw Sample Relinquished by: RJ 54

Date/Time 11/21/24 8:35
Raw Sample Received by: RJ 54
Raw Sample Relinquished by: RJ (8:34 9:05)



LAB CHRONICLE

OrderID:	P4892	OrderDate:	11/18/2024 8:10:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	Location:	M11,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4892-01	WB-310-TOP	SOIL	PCB	8082A	11/15/24	11/19/24	11/19/24	11/15/24
			EPH	NJEPH		11/21/24	11/22/24	
P4892-02	WB-310-BOT	SOIL	PCB	8082A	11/15/24	11/19/24	11/19/24	11/15/24
			EPH	NJEPH		11/21/24	11/22/24	
P4892-03	WB-310-BOT	TCLP	TCLP Pesticide	8081B	11/15/24	11/20/24	11/22/24	11/15/24
P4892-04	WB-310-SW	WATER	PCB	8082A	11/15/24	11/20/24	11/20/24	11/15/24
			EPH	NJEPH		11/20/24	11/21/24	