



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-TOP	SDG No.:	P4397
Lab Sample ID:	P4397-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	63.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/14/24 08:32	10/14/24 19:07	PB164109

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.88	J	1	0.60	1.58	mg/kg	FC067434.D
Aliphatic C12-C16	Aliphatic C12-C16	3.76		1	0.38	1.05	mg/kg	FC067434.D
Aliphatic C16-C21	Aliphatic C16-C21	5.84		1	0.47	1.58	mg/kg	FC067434.D
Aliphatic C21-C28	Aliphatic C21-C28	9.56		1	1.26	2.10	mg/kg	FC067434.D
Aliphatic C28-C40	Aliphatic C28-C40	5.43		1	2.84	3.15	mg/kg	FC067434.D
Aromatic C10-C12	Aromatic C10-C12	1.78		1	0.47	1.05	mg/kg	FD048521.D
Aromatic C12-C16	Aromatic C12-C16	10.5		1	0.54	1.58	mg/kg	FD048521.D
Aromatic C16-C21	Aromatic C16-C21	20.8		1	1.51	2.63	mg/kg	FD048521.D
Aromatic C21-C36	Aromatic C21-C36	19.0		1	3.15	4.20	mg/kg	FD048521.D
Total AliphaticEPH	Total AliphaticEPH	25.5			5.55	9.46	mg/kg	
Total AromaticEPH	Total AromaticEPH	52.1			5.67	9.46	mg/kg	
Total EPH	Total EPH	77.5			11.2	18.9	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:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-TOP	SDG No.:	P4397
Lab Sample ID:	P4397-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	63.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067434.D	1	10/14/24	10/14/24	PB164109

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.88	J	0.60	1.58	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	3.76		0.38	1.05	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	5.84		0.47	1.58	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	9.56		1.26	2.10	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.43		2.84	3.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.1		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4397-01	Acq On:	14 Oct 2024 19:07
Client Sample ID:	WB-301-TOP	Operator:	YP/AJ
Data file:	FC067434.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	3.175	6.457	1068467	8.324	300	ug/ml
Aliphatic C12-C16	6.458	9.850	4685890	35.782	200	ug/ml
Aliphatic C16-C21	9.851	13.209	7306537	55.573	300	ug/ml
Aliphatic C21-C28	13.210	16.865	11537622	90.974	400	ug/ml
Aliphatic C28-C40	16.866	21.722	5436641	51.671	600	ug/ml
Aliphatic EPH	3.175	21.722	30035157	242.324		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.941	12.941	3402529	30.06		ug/ml
Aliphatic C9-C28	3.175	16.865	24598516	190.653	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-TOP	SDG No.:	P4397
Lab Sample ID:	P4397-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	63.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048521.D	1	10/14/24	10/15/24	PB164109

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	1.78		0.47	1.05	mg/kg
Aromatic C12-C16	Aromatic C12-C16	10.5		0.54	1.58	mg/kg
Aromatic C16-C21	Aromatic C16-C21	20.8		1.51	2.63	mg/kg
Aromatic C21-C36	Aromatic C21-C36	19.0		3.15	4.20	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	49.0		40 - 140	98%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	50.5		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.4		40 - 140	47%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4397-01	Acq On:	15 Oct 2024 11:10
Client Sample ID:	WB-301-TOP	Operator:	YP/AJ
Data file:	FD048521.D	Misc:	
Instrument:	FID_D	ALS Vial:	86
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.099	5.817	3070502	16.966	200	ug/ml
Aromatic C12-C16	5.818	8.424	18955424	99.768	300	ug/ml
Aromatic C16-C21	8.425	12.687	35415835	198.155	500	ug/ml
Aromatic C21-C36	12.688	18.094	29960397	181.182	800	ug/ml
Aromatic EPH	4.099	18.094	87402158	496.07		ug/ml
2-Bromonaphthalene (SURRE)	7.377	7.377	8119618	49.04		ug/ml
2-Fluorobiphenyl (SURRE)	8.227	8.227	5233558	50.47		ug/ml
ortho-Terphenyl (SURRE)	11.264	11.264	4301929	23.38		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOT	SDG No.:	P4397
Lab Sample ID:	P4397-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76
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
10/14/24 08:32	10/14/24 19:44	PB164109

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.50	U	1	0.50	1.31	mg/kg	FC067435.D
Aliphatic C12-C16	Aliphatic C12-C16	0.32	U	1	0.32	0.88	mg/kg	FC067435.D
Aliphatic C16-C21	Aliphatic C16-C21	0.39	U	1	0.39	1.31	mg/kg	FC067435.D
Aliphatic C21-C28	Aliphatic C21-C28	1.05	U	1	1.05	1.75	mg/kg	FC067435.D
Aliphatic C28-C40	Aliphatic C28-C40	2.36	U	1	2.36	2.63	mg/kg	FC067435.D
Aromatic C10-C12	Aromatic C10-C12	0.39	U	1	0.39	0.88	mg/kg	FD048510.D
Aromatic C12-C16	Aromatic C12-C16	0.51	J	1	0.45	1.31	mg/kg	FD048510.D
Aromatic C16-C21	Aromatic C16-C21	1.89	J	1	1.26	2.19	mg/kg	FD048510.D
Aromatic C21-C36	Aromatic C21-C36	2.63	U	1	2.63	3.50	mg/kg	FD048510.D
Total AliphaticEPH	Total AliphaticEPH	4.62	U		4.62	7.88	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.73	U		4.73	7.88	mg/kg	
Total EPH	Total EPH	9.35	U		9.35	15.8	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOT	SDG No.:	P4397
Lab Sample ID:	P4397-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76
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
FC067435.D	1	10/14/24	10/14/24	PB164109

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.50	U	0.50	1.31	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.32	U	0.32	0.88	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.39	U	0.39	1.31	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.05	U	1.05	1.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.36	U	2.36	2.63	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.5		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4397-02	Acq On:	14 Oct 2024 19:44
Client Sample ID:	WB-301-BOT	Operator:	YP/AJ
Data file:	FC067435.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	89934	0.701	300	ug/ml
Aliphatic C12-C16	6.458	9.850	400036	3.055	200	ug/ml
Aliphatic C16-C21	9.851	13.209	456881	3.475	300	ug/ml
Aliphatic C21-C28	13.210	16.865	43326	0.342	400	ug/ml
Aliphatic C28-C40	16.866	21.722	0	0	600	ug/ml
Aliphatic EPH	3.175	21.722	990177	7.572		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.940	12.940	4244377	37.5		ug/ml
Aliphatic C9-C28	3.175	16.865	990177	7.573	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOT	SDG No.:	P4397
Lab Sample ID:	P4397-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76
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
FD048510.D	1	10/14/24	10/15/24	PB164109

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.39	U	0.39	0.88	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.51	J	0.45	1.31	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.89	J	1.26	2.19	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.63	U	2.63	3.50	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	39.5		40 - 140	79%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.3		40 - 140	49%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4397-02	Acq On:	15 Oct 2024 04:22
Client Sample ID:	WB-301-BOT	Operator:	YP/AJ
Data file:	FD048510.D	Misc:	
Instrument:	FID_D	ALS Vial:	77
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.099	5.817	260104	1.437	200	ug/ml
Aromatic C12-C16	5.818	8.424	1095525	5.766	300	ug/ml
Aromatic C16-C21	8.425	12.687	3861500	21.605	500	ug/ml
Aromatic C21-C36	12.688	18.094	2496884	15.1	800	ug/ml
Aromatic EPH	4.099	18.094	7714013	43.908		ug/ml
2-Bromonaphthalene (SURRE)	7.374	7.374	6535426	39.47		ug/ml
2-Fluorobiphenyl (SURRE)	8.224	8.224	4406588	42.49		ug/ml
ortho-Terphenyl (SURRE)	11.261	11.261	4470809	24.3		ug/ml



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: P4397 SAS No.: P4397 SDG No.: P4397
Run Number: FC101424AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
WB-301-TOP	60			0
WB-301-BOT	75			0
WB-301-BOTMS	66			0
WB-301-BOTMSD	68			0
PB164109BL	77			0
PB164109BS	69			0
PB164109BSD	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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: P4397 SAS No.: P4397 SDG No.: P4397
Run Number: FD101424AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
WB-301-TOP	98	101	47	0
WB-301-BOT	79	85	49	0
WB-301-BOTMS	94	99	60	0
WB-301-BOTMSD	88	92	56	0
PB164109BL	105	101	94	0
PB164109BS	96	101	84	0
PB164109BSD	96	101	84	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:** P4397 **SAS No :** P4397 **SDG No:** P4397
Sample No : P4397-02MS **Datafile:** FC067437.D
Client ID : WB-301-BOTMS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	13.1	0	8.40	64		(40-140)
Aliphatic C12-C16	8.8	0	7.59	87		(40-140)
Aliphatic C16-C21	13.1	0	11.5	88		(40-140)
Aliphatic C21-C28	17.5	0	14.5	83		(40-140)
Aliphatic C28-C40	26.3	0	25.9	99		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** P4397 **SAS No :** P4397 **SDG No:** P4397
Sample No : P4397-02MSD **Datafile:** FC067438.D
Client ID : WB-301-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	13.1	0	8.43	64		0.47 (40-140) 25
Aliphatic C12-C16	8.8	0	7.63	87		0.58 (40-140) 25
Aliphatic C16-C21	13.1	0	11.6	88		0.91 (40-140) 25
Aliphatic C21-C28	17.5	0	14.7	84		1.32 (40-140) 25
Aliphatic C28-C40	26.3	0	26.2	100		1.11 (40-140) 25

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** P4397 **SAS No :** P4397 **SDG No:** P4397
Sample No : P4397-02MS **Datafile:** FD048512.D
Client ID : WB-301-BOTMS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	8.8	0	6.16	70		(40-140)
Aromatic C12-C16	13.1	0.51	10.6	77		(40-140)
Aromatic C16-C21	21.9	1.89	21.3	89		(40-140)
Aromatic C21-C36	35.0	0	31.2	89		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** P4397 **SAS No :** P4397 **SDG No:** P4397
Sample No : P4397-02MSD **Datafile:** FD048513.D
Client ID : WB-301-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	8.8	0	5.71	65		7.53 (40-140) 25
Aromatic C12-C16	13.1	0.51	9.79	71		8.27 (40-140) 25
Aromatic C16-C21	21.9	1.89	19.8	82		7.98 (40-140) 25
Aromatic C21-C36	35.0	0	28.9	82		7.58 (40-140) 25

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** P4397 **SAS No :** P4397 **SDG No:** P4397
Sample No : PB164109BS **Datafile:** FC067431.D
Client ID : PB164109BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	5.93	59		(40-140)
Aliphatic C12-C16	6.7	5.43	82		(40-140)
Aliphatic C16-C21	10	8.45	85		(40-140)
Aliphatic C21-C28	13.3	11.1	83		(40-140)
Aliphatic C28-C40	20.0	19.5	98		(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:** P4397 **SAS No :** P4397 **SDG No:** P4397
Sample No : PB164109BSD **Datafile:** FC067432.D
Client ID : PB164109BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	5.88	59		0.747 (40-140)	50
Aliphatic C12-C16	6.7	5.36	80		1.3 (40-140)	50
Aliphatic C16-C21	10	8.33	83		1.5 (40-140)	50
Aliphatic C21-C28	13.3	10.9	82		1.8 (40-140)	50
Aliphatic C28-C40	20.0	19.5	98		0.0025 (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:** P4397 **SAS No :** P4397 **SDG No:** P4397
Sample No : PB164109BS **Datafile:** FD048506.D
Client ID : PB164109BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	4.66	70		(40-140)
Aromatic C12-C16	10	7.77	78		(40-140)
Aromatic C16-C21	16.7	15.3	92		(40-140)
Aromatic C21-C36	26.6	23.0	86		(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:** P4397 **SAS No :** P4397 **SDG No:** P4397
Sample No : PB164109BSD **Datafile:** FD048507.D
Client ID : PB164109BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	4.67	70		0.31 (40-140)	50
Aromatic C12-C16	10	7.77	78		0.0286 (40-140)	50
Aromatic C16-C21	16.7	15.3	92		0.0089 (40-140)	50
Aromatic C21-C36	26.6	23.2	87		0.9 (40-140)	50

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164109BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: P4397

SAS No.: P4397 SDG NO.: P4397

Instrument ID: FID_C

Lab Sample ID: PB164109BL

Matrix: (soil/water) Solid

Date Extracted: 10/14/2024 8:32:00

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB164109BS	PB164109BS
WB-301-BOTMS	P4397-02MS
WB-301-BOTMSD	P4397-02MSD
PB164109BSD	PB164109BSD
WB-301-TOP	P4397-01
WB-301-BOT	P4397-02

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164109BL	SDG No.:	P4397
Lab Sample ID:	PB164109BL	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
10/14/24 08:32	10/14/24 16:38	PB164109

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	FC067430.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FC067430.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FC067430.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FC067430.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC067430.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FD048505.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FD048505.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FD048505.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.67	mg/kg	FD048505.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.60	U		3.60	6.01	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:	PB164109BL	SDG No.:	P4397
Lab Sample ID:	PB164109BL	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
FC067430.D	1	10/14/24	10/14/24	PB164109

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)	38.7		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164109BL	Acq On:	14 Oct 2024 16:38
Client Sample ID:	PB164109BL	Operator:	YP/AJ
Data file:	FC067430.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	3.175	6.457	0	0	300	ug/ml
Aliphatic C12-C16	6.458	9.850	0	0	200	ug/ml
Aliphatic C16-C21	9.851	13.209	0	0	300	ug/ml
Aliphatic C21-C28	13.210	16.865	0	0	400	ug/ml
Aliphatic C28-C40	16.866	21.722	0	0	600	ug/ml
Aliphatic EPH	3.175	21.722	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.941	12.941	4378021	38.68		ug/ml
Aliphatic C9-C28	3.175	16.865	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:	PB164109BL	SDG No.:	P4397
Lab Sample ID:	PB164109BL	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
FD048505.D	1	10/14/24	10/15/24	PB164109

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	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.4		40 - 140	105%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	50.6		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.0		40 - 140	94%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164109BL	Acq On:	15 Oct 2024 00:02
Client Sample ID:	PB164109BL	Operator:	YP/AJ
Data file:	FD048505.D	Misc:	
Instrument:	FID_D	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.099	5.817	0	0	200	ug/ml
Aromatic C12-C16	5.818	8.424	0	0	300	ug/ml
Aromatic C16-C21	8.425	12.687	0	0	500	ug/ml
Aromatic C21-C36	12.688	18.094	0	0	800	ug/ml
Aromatic EPH	4.099	18.094	0	0		ug/ml
ortho-Terphenyl (SURR)	11.267	11.267	8651846	47.02		ug/ml
2-Bromonaphthalene (SURR)	7.379	7.379	8673557	52.39		ug/ml
2-Flurobiphenyl (SURR)	8.228	8.228	5252190	50.65		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164109BS	SDG No.:	P4397
Lab Sample ID:	PB164109BS	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
10/14/24 08:32	10/14/24 17:15	PB164109

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.93		1	0.38	1.00	mg/kg	FC067431.D
Aliphatic C12-C16	Aliphatic C12-C16	5.43		1	0.24	0.67	mg/kg	FC067431.D
Aliphatic C16-C21	Aliphatic C16-C21	8.45		1	0.30	1.00	mg/kg	FC067431.D
Aliphatic C21-C28	Aliphatic C21-C28	11.1		1	0.80	1.33	mg/kg	FC067431.D
Aliphatic C28-C40	Aliphatic C28-C40	19.5		1	1.80	2.00	mg/kg	FC067431.D
Aromatic C10-C12	Aromatic C10-C12	4.66		1	0.30	0.67	mg/kg	FD048506.D
Aromatic C12-C16	Aromatic C12-C16	7.77		1	0.34	1.00	mg/kg	FD048506.D
Aromatic C16-C21	Aromatic C16-C21	15.3		1	0.96	1.67	mg/kg	FD048506.D
Aromatic C21-C36	Aromatic C21-C36	23.0		1	2.00	2.66	mg/kg	FD048506.D
Total AliphaticEPH	Total AliphaticEPH	50.4			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	50.7			3.60	6.00	mg/kg	
Total EPH	Total EPH	101			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:	PB164109BS	SDG No.:	P4397
Lab Sample ID:	PB164109BS	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
FC067431.D	1	10/14/24	10/14/24	PB164109

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.93		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.43		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.45		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.1		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.5		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.6		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164109BS	Acq On:	14 Oct 2024 17:15
Client Sample ID:	PB164109BS	Operator:	YP/AJ
Data file:	FC067431.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	3.175	6.457	11425952	89.019	300	ug/ml
Aliphatic C12-C16	6.458	9.850	10673371	81.502	200	ug/ml
Aliphatic C16-C21	9.851	13.209	16672534	126.81	300	ug/ml
Aliphatic C21-C28	13.210	16.865	21065352	166.1	400	ug/ml
Aliphatic C28-C40	16.866	21.722	30737201	292.135	600	ug/ml
Aliphatic EPH	3.175	21.722	90574410	755.566		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.941	12.941	3920928	34.64		ug/ml
Aliphatic C9-C28	3.175	16.865	59837209	463.431	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164109BS	SDG No.:	P4397
Lab Sample ID:	PB164109BS	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
FD048506.D	1	10/14/24	10/15/24	PB164109

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.66		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.77		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	15.3		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	23.0		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.8		40 - 140	96%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	50.3		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.8		40 - 140	84%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164109BS	Acq On:	15 Oct 2024 00:39
Client Sample ID:	PB164109BS	Operator:	YP/AJ
Data file:	FD048506.D	Misc:	
Instrument:	FID_D	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.099	5.817	12651542	69.904	200	ug/ml
Aromatic C12-C16	5.818	8.424	22172501	116.7	300	ug/ml
Aromatic C16-C21	8.425	12.687	40972758	229.246	500	ug/ml
Aromatic C21-C36	12.688	18.094	57206908	345.952	800	ug/ml
Aromatic EPH	4.099	18.094	133003709	761.802		ug/ml
ortho-Terphenyl (SURR)	11.267	11.267	7694917	41.82		ug/ml
2-Bromonaphthalene (SURR)	7.378	7.378	7909909	47.77		ug/ml
2-Flurobiphenyl (SURR)	8.229	8.229	5220465	50.34		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164109BSD	SDG No.:	P4397
Lab Sample ID:	PB164109BSD	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
10/14/24 08:32	10/14/24 17:53	PB164109

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.88		1	0.38	1.00	mg/kg FC067432.D
Aliphatic C12-C16	Aliphatic C12-C16	5.36		1	0.24	0.67	mg/kg FC067432.D
Aliphatic C16-C21	Aliphatic C16-C21	8.33		1	0.30	1.00	mg/kg FC067432.D
Aliphatic C21-C28	Aliphatic C21-C28	10.9		1	0.80	1.33	mg/kg FC067432.D
Aliphatic C28-C40	Aliphatic C28-C40	19.5		1	1.80	2.00	mg/kg FC067432.D
Aromatic C10-C12	Aromatic C10-C12	4.67		1	0.30	0.67	mg/kg FD048507.D
Aromatic C12-C16	Aromatic C12-C16	7.77		1	0.34	1.00	mg/kg FD048507.D
Aromatic C16-C21	Aromatic C16-C21	15.3		1	0.96	1.67	mg/kg FD048507.D
Aromatic C21-C36	Aromatic C21-C36	23.2		1	2.00	2.66	mg/kg FD048507.D
Total AliphaticEPH	Total AliphaticEPH	50.0			3.52	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	50.9			3.60	6.00	mg/kg
Total EPH	Total EPH	101			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:	PB164109BSD	SDG No.:	P4397
Lab Sample ID:	PB164109BSD	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
FC067432.D	1	10/14/24	10/14/24	PB164109

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.88		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.36		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.33		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	19.5		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.1		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:	PB164109BSD	Acq On:	14 Oct 2024 17:53
Client Sample ID:	PB164109BSD	Operator:	YP/AJ
Data file:	FC067432.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	3.175	6.457	11332325	88.289	300	ug/ml
Aliphatic C12-C16	6.458	9.850	10537887	80.468	200	ug/ml
Aliphatic C16-C21	9.851	13.209	16438137	125.028	300	ug/ml
Aliphatic C21-C28	13.210	16.865	20833073	164.268	400	ug/ml
Aliphatic C28-C40	16.866	21.722	30731207	292.078	600	ug/ml
Aliphatic EPH	3.175	21.722	89872629	750.13		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.941	12.941	4085608	36.09		ug/ml
Aliphatic C9-C28	3.175	16.865	59141422	458.053	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164109BSD	SDG No.:	P4397
Lab Sample ID:	PB164109BSD	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
FD048507.D	1	10/14/24	10/15/24	PB164109

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.67		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.77		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	15.3		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	23.2		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.9		40 - 140	96%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	50.4		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.1		40 - 140	84%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164109BSD	Acq On:	15 Oct 2024 01:17
Client Sample ID:	PB164109BSD	Operator:	YP/AJ
Data file:	FD048507.D	Misc:	
Instrument:	FID_D	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.099	5.817	12686302	70.096	200	ug/ml
Aromatic C12-C16	5.818	8.424	22161971	116.645	300	ug/ml
Aromatic C16-C21	8.425	12.687	41157785	230.281	500	ug/ml
Aromatic C21-C36	12.688	18.094	57627675	348.497	800	ug/ml
Aromatic EPH	4.099	18.094	133633733	765.519		ug/ml
ortho-Terphenyl (SURR)	11.266	11.266	7750803	42.12		ug/ml
2-Bromonaphthalene (SURR)	7.378	7.378	7923978	47.86		ug/ml
2-Fluorobiphenyl (SURR)	8.229	8.229	5224281	50.38		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-301-BOTMS	SDG No.:	P4397
Lab Sample ID:	P4397-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76
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
10/14/24 08:32	10/14/24 20:58	PB164109

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	8.40		1	0.50	1.31	mg/kg FC067437.D
Aliphatic C12-C16	Aliphatic C12-C16	7.59		1	0.32	0.88	mg/kg FC067437.D
Aliphatic C16-C21	Aliphatic C16-C21	11.5		1	0.39	1.31	mg/kg FC067437.D
Aliphatic C21-C28	Aliphatic C21-C28	14.5		1	1.05	1.75	mg/kg FC067437.D
Aliphatic C28-C40	Aliphatic C28-C40	25.9		1	2.37	2.63	mg/kg FC067437.D
Aromatic C10-C12	Aromatic C10-C12	6.16		1	0.39	0.88	mg/kg FD048512.D
Aromatic C12-C16	Aromatic C12-C16	10.6		1	0.45	1.31	mg/kg FD048512.D
Aromatic C16-C21	Aromatic C16-C21	21.3		1	1.26	2.19	mg/kg FD048512.D
Aromatic C21-C36	Aromatic C21-C36	31.2		1	2.63	3.50	mg/kg FD048512.D
Total AliphaticEPH	Total AliphaticEPH	67.9			4.63	7.88	mg/kg
Total AromaticEPH	Total AromaticEPH	69.3			4.73	7.88	mg/kg
Total EPH	Total EPH	137			9.36	15.8	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-301-BOTMS	SDG No.:	P4397
Lab Sample ID:	P4397-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76
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
FC067437.D	1	10/14/24	10/14/24	PB164109

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.40		0.50	1.31	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.59		0.32	0.88	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	11.5		0.39	1.31	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	14.5		1.05	1.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.9		2.37	2.63	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



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4397-02MS	Acq On:	14 Oct 2024 20:58
Client Sample ID:	WB-301-BOTMS	Operator:	YP/AJ
Data file:	FC067437.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	3.175	6.457	12313105	95.93	300	ug/ml
Aliphatic C12-C16	6.458	9.850	11348872	86.661	200	ug/ml
Aliphatic C16-C21	9.851	13.209	17233867	131.08	300	ug/ml
Aliphatic C21-C28	13.210	16.865	21046034	165.947	400	ug/ml
Aliphatic C28-C40	16.866	21.722	31111306	295.69	600	ug/ml
Aliphatic EPH	3.175	21.722	93053184	775.308		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.940	12.940	3732729	32.98		ug/ml
Aliphatic C9-C28	3.175	16.865	61941878	479.618	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-301-BOTMS	SDG No.:	P4397
Lab Sample ID:	P4397-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76
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
FD048512.D	1	10/14/24	10/15/24	PB164109

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.16		0.39	0.88	mg/kg
Aromatic C12-C16	Aromatic C12-C16	10.6		0.45	1.31	mg/kg
Aromatic C16-C21	Aromatic C16-C21	21.3		1.26	2.19	mg/kg
Aromatic C21-C36	Aromatic C21-C36	31.2		2.63	3.50	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.0		40 - 140	94%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	49.4		40 - 140	99%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.0		40 - 140	60%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4397-02MS	Acq On:	15 Oct 2024 05:35
Client Sample ID:	WB-301-BOTMS	Operator:	YP/AJ
Data file:	FD048512.D	Misc:	
Instrument:	FID_D	ALS Vial:	79
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.099	5.817	12720619	70.286	200	ug/ml
Aromatic C12-C16	5.818	8.424	22956118	120.825	300	ug/ml
Aromatic C16-C21	8.425	12.687	43396413	242.807	500	ug/ml
Aromatic C21-C36	12.688	18.094	58837933	355.816	800	ug/ml
Aromatic EPH	4.099	18.094	137911083	789.733		ug/ml
ortho-Terphenyl (SURR)	11.264	11.264	5525403	30.03		ug/ml
2-Bromonaphthalene (SURR)	7.378	7.378	7777959	46.98		ug/ml
2-Fluorobiphenyl (SURR)	8.228	8.228	5123618	49.41		ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-301-BOTMSD	SDG No.:	P4397
Lab Sample ID:	P4397-02MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/14/24 08:32	10/14/24 21:35	PB164109

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	8.43		1	0.50	1.31	mg/kg FC067438.D
Aliphatic C12-C16	Aliphatic C12-C16	7.63		1	0.32	0.88	mg/kg FC067438.D
Aliphatic C16-C21	Aliphatic C16-C21	11.6		1	0.39	1.31	mg/kg FC067438.D
Aliphatic C21-C28	Aliphatic C21-C28	14.7		1	1.05	1.75	mg/kg FC067438.D
Aliphatic C28-C40	Aliphatic C28-C40	26.2		1	2.36	2.63	mg/kg FC067438.D
Aromatic C10-C12	Aromatic C10-C12	5.71		1	0.39	0.88	mg/kg FD048513.D
Aromatic C12-C16	Aromatic C12-C16	9.79		1	0.45	1.31	mg/kg FD048513.D
Aromatic C16-C21	Aromatic C16-C21	19.8		1	1.26	2.19	mg/kg FD048513.D
Aromatic C21-C36	Aromatic C21-C36	28.9		1	2.63	3.50	mg/kg FD048513.D
Total AliphaticEPH	Total AliphaticEPH	68.6			4.62	7.88	mg/kg
Total AromaticEPH	Total AromaticEPH	64.2			4.73	7.88	mg/kg
Total EPH	Total EPH	133			9.35	15.8	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-301-BOTMSD	SDG No.:	P4397
Lab Sample ID:	P4397-02MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067438.D	1	10/14/24	10/14/24	PB164109

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.43		0.50	1.31	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.63		0.32	0.88	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	11.6		0.39	1.31	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	14.7		1.05	1.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.2		2.36	2.63	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.1		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4397-02MSD	Acq On:	14 Oct 2024 21:35
Client Sample ID:	WB-301-BOTMSD	Operator:	YP/AJ
Data file:	FC067438.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	12354233	96.251	300	ug/ml
Aliphatic C12-C16	6.458	9.850	11406678	87.102	200	ug/ml
Aliphatic C16-C21	9.851	13.209	17382375	132.209	300	ug/ml
Aliphatic C21-C28	13.210	16.865	21224719	167.356	400	ug/ml
Aliphatic C28-C40	16.866	21.722	31527698	299.648	600	ug/ml
Aliphatic EPH	3.175	21.722	93895703	782.566		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.940	12.940	3859946	34.1		ug/ml
Aliphatic C9-C28	3.175	16.865	62368005	482.918	1200	ug/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-301-BOTMSD	SDG No.:	P4397
Lab Sample ID:	P4397-02MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048513.D	1	10/14/24	10/15/24	PB164109

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.71		0.39	0.88	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.79		0.45	1.31	mg/kg
Aromatic C16-C21	Aromatic C16-C21	19.8		1.26	2.19	mg/kg
Aromatic C21-C36	Aromatic C21-C36	28.9		2.63	3.50	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	43.8		40 - 140	88%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	46.0		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.0		40 - 140	56%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4397-02MSD	Acq On:	15 Oct 2024 06:12
Client Sample ID:	WB-301-BOTMSD	Operator:	YP/AJ
Data file:	FD048513.D	Misc:	
Instrument:	FID_D	ALS Vial:	80
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.099	5.817	11806948	65.237	200	ug/ml
Aromatic C12-C16	5.818	8.424	21236976	111.776	300	ug/ml
Aromatic C16-C21	8.425	12.687	40472826	226.449	500	ug/ml
Aromatic C21-C36	12.688	18.094	54588575	330.118	800	ug/ml
Aromatic EPH	4.099	18.094	128105325	733.581		ug/ml
2-Bromonaphthalene (SURR)	7.377	7.377	7244608	43.76		ug/ml
2-Fluorobiphenyl (SURR)	8.228	8.228	4767531	45.97		ug/ml
ortho-Terphenyl (SURR)	11.263	11.263	5147288	27.97		ug/ml



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC100224AL

AreaCount

Parameter Range	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.D	
Aliphatic C9-C12	36157754.000	18468554.000	7796622.000	3912320.000	2066528.000	
Aliphatic C12-C16	24671572.000	12642565.000	5319639.000	2676246.000	1382016.000	
Aliphatic C16-C21	36539622.000	18852548.000	8005327.000	4100822.000	2096729.000	
Aliphatic C21-C28	47235980.000	24590379.000	10215208.000	5219473.000	2697991.000	
Aliphatic C28-C40	57341685.000	29822245.000	12674884.000	6440179.000	3544258.000	
Aliphatic EPH	201946613.000	104376291.000	44011680.000	22349040.000	11787522.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	128354.4879996	5.284				
Aliphatic C12-C16	130957.677	4.567				
Aliphatic C16-C21	131476.1019996	5.732				
Aliphatic C21-C28	126823.664	5.15				
Aliphatic C28-C40	105215.848333	8.211				
Aliphatic EPH	121110.9372216	6.036				

Concentration

Parameter Range	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.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	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.D	
Aliphatic C9-C12	120525.846666	123123.693333	129943.700000	130410.666666	137768.533333	
Aliphatic C12-C16	123357.860000	126425.650000	132990.975000	133812.300000	138201.600000	
Aliphatic C16-C21	121798.740000	125683.653333	133422.116666	136694.066666	139781.933333	

Initial Calibration Report for SequenceID : FC100224AL

Aliphatic C21-C28	118089.950000	122951.895000	127690.100000	130486.825000	134899.550000	
Aliphatic C28-C40	95569.475000	99407.483333	105624.033333	107336.316666	118141.933333	
Aliphatic EPH	112192.562777	115973.656666	122254.666666	124161.333333	130972.466666	

Initial Calibration Report for SequenceID : FD093024AR

AreaCount

Parameter Range	FD048398.D	FD048399.D	FD048400.D	FD048401.D	FD048402.D	
Aromatic C10-C12	34648059.000	18252378.000	7283031.000	3571721.000	1884983.000	
Aromatic C12-C16	52772389.000	27987173.000	11349711.000	5750614.000	3099577.000	
Aromatic C16-C21	67557629.000	35880273.000	14451391.000	7136049.000	3726042.000	
Aromatic C21-C36	141518244.000	74756685.000	30035782.000	14897193.000	7697046.000	
Aromatic EPH	296496321.000	156876509.000	63119915.000	31355577.000	16407648.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	180984.84	3.098				
Aromatic C12-C16	189995.313333	5.829				
Aromatic C16-C21	178728.23	3.52				
Aromatic C21-C36	165360.7497772	3.04				
Aromatic EPH	174173.0715554	3.596				

Concentration

Parameter Range	FD048398.D	FD048399.D	FD048400.D	FD048401.D	FD048402.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	FD048398.D	FD048399.D	FD048400.D	FD048401.D	FD048402.D	
Aromatic C10-C12	173240.295000	182523.780000	182075.775000	178586.050000	188498.300000	
Aromatic C12-C16	175907.963333	186581.153333	189161.850000	191687.133333	206638.466666	
Aromatic C16-C21	168894.072500	179401.365000	180642.387500	178401.225000	186302.100000	
Aromatic C21-C36	157242.493333	166125.966666	166865.455555	165524.366666	171045.466666	
Aromatic EPH	164720.178333	174307.232222	175333.097222	174197.650000	182307.200000	

Continuing Calibration Report for SequenceID : FC101424AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC067429.D

Aliphatic C9-C12	8508762.000	60.000	3.175	6.457	141812.700	128354.488	-10.485
Aliphatic C12-C16	5652181.000	40.000	6.458	9.850	141304.525	130957.677	-7.901
Aliphatic C16-C21	8170666.000	60.000	9.851	13.209	136177.767	131476.102	-3.576
Aliphatic C21-C28	10286818.000	80.000	13.210	16.865	128585.225	126823.664	-1.389
Aliphatic C28-C40	13123649.000	120.000	16.866	21.722	109363.742	105215.848	-3.942
Aliphatic EPH	45742076.000	360.000	3.175	21.722	127061.322	121110.937	-4.913

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	14 Oct 2024 13:32
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067429.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.175	6.457	8508762.000	60.000	ug/ml
Aliphatic C12-C16	6.458	9.850	5652181.000	40.000	ug/ml
Aliphatic C16-C21	9.851	13.209	8170666.000	60.000	ug/ml
Aliphatic C21-C28	13.210	16.865	10286818.000	80.000	ug/ml
Aliphatic C28-C40	16.866	21.722	13123649.000	120.000	ug/ml
Aliphatic EPH	3.175	21.722	45742076.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FC101424AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC067440.D

Aliphatic C9-C12	8663443.000	60.000	3.175	6.457	144390.717	128354.488	-12.494
Aliphatic C12-C16	5701770.000	40.000	6.458	9.850	142544.250	130957.677	-8.848
Aliphatic C16-C21	8254144.000	60.000	9.851	13.209	137569.067	131476.102	-4.634
Aliphatic C21-C28	10417464.000	80.000	13.210	16.865	130218.300	126823.664	-2.677
Aliphatic C28-C40	13488399.000	120.000	16.866	21.722	112403.325	105215.848	-6.831
Aliphatic EPH	46525220.000	360.000	3.175	21.722	129236.722	121110.937	-6.709

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	14 Oct 2024 22:48
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067440.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.175	6.457	8663443.000	60.000	ug/ml
Aliphatic C12-C16	6.458	9.850	5701770.000	40.000	ug/ml
Aliphatic C16-C21	9.851	13.209	8254144.000	60.000	ug/ml
Aliphatic C21-C28	13.210	16.865	10417464.000	80.000	ug/ml
Aliphatic C28-C40	16.866	21.722	13488399.000	120.000	ug/ml
Aliphatic EPH	3.175	21.722	46525220.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD101424AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD048504.D

Aromatic C10-C12	7355966.000	40.000	4.099	5.817	183899.150	180984.840	-1.610
Aromatic C12-C16	11202398.000	60.000	5.818	8.424	186706.633	189995.313	1.731
Aromatic C16-C21	13872207.000	80.000	8.425	12.687	173402.588	178728.230	2.980
Aromatic C21-C36	29243252.000	180.000	12.688	18.094	162462.511	165360.750	1.753
Aromatic EPH	61673823.000	360.000	4.099	18.094	171316.175	174173.072	1.640

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	14 Oct 2024 22:48
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048504.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.099	5.817	7355966.000	40.000	ug/ml
Aromatic C12-C16	5.818	8.424	11202398.000	60.000	ug/ml
Aromatic C16-C21	8.425	12.687	13872207.000	80.000	ug/ml
Aromatic C21-C36	12.688	18.094	29243252.000	180.000	ug/ml
Aromatic EPH	4.099	18.094	61673823.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FD101424AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD048515.D

Aromatic C10-C12	7503437.000	40.000	4.099	5.817	187585.925	180984.840	-3.647
Aromatic C12-C16	11393796.000	60.000	5.818	8.424	189896.600	189995.313	0.052
Aromatic C16-C21	14125711.000	80.000	8.425	12.687	176571.388	178728.230	1.207
Aromatic C21-C36	29284546.000	180.000	12.688	18.094	162691.922	165360.750	1.614
Aromatic EPH	62307490.000	360.000	4.099	18.094	173076.361	174173.072	0.630

A
B
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Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	15 Oct 2024 07:27
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048515.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.099	5.817	7503437.000	40.000	ug/ml
Aromatic C12-C16	5.818	8.424	11393796.000	60.000	ug/ml
Aromatic C16-C21	8.425	12.687	14125711.000	80.000	ug/ml
Aromatic C21-C36	12.688	18.094	29284546.000	180.000	ug/ml
Aromatic EPH	4.099	18.094	62307490.000	360.000	ug/ml



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101424AL\
Data File : FC067434.D
Signal(s) : FID1A.ch
Acq On : 14 Oct 2024 19:07
Operator : YP/AJ
Sample : P4397-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-301-TOP

Integration File: autoint1.e
Quant Time: Oct 15 04:32:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
Qlast Update : Tue Oct 01 09:13:32 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...	12.941	3402529	30.059 ug/ml
Spiked Amount	50.000	Recovery	= 60.12%

Target Compounds

(f)=RT Delta > 1/2 Window

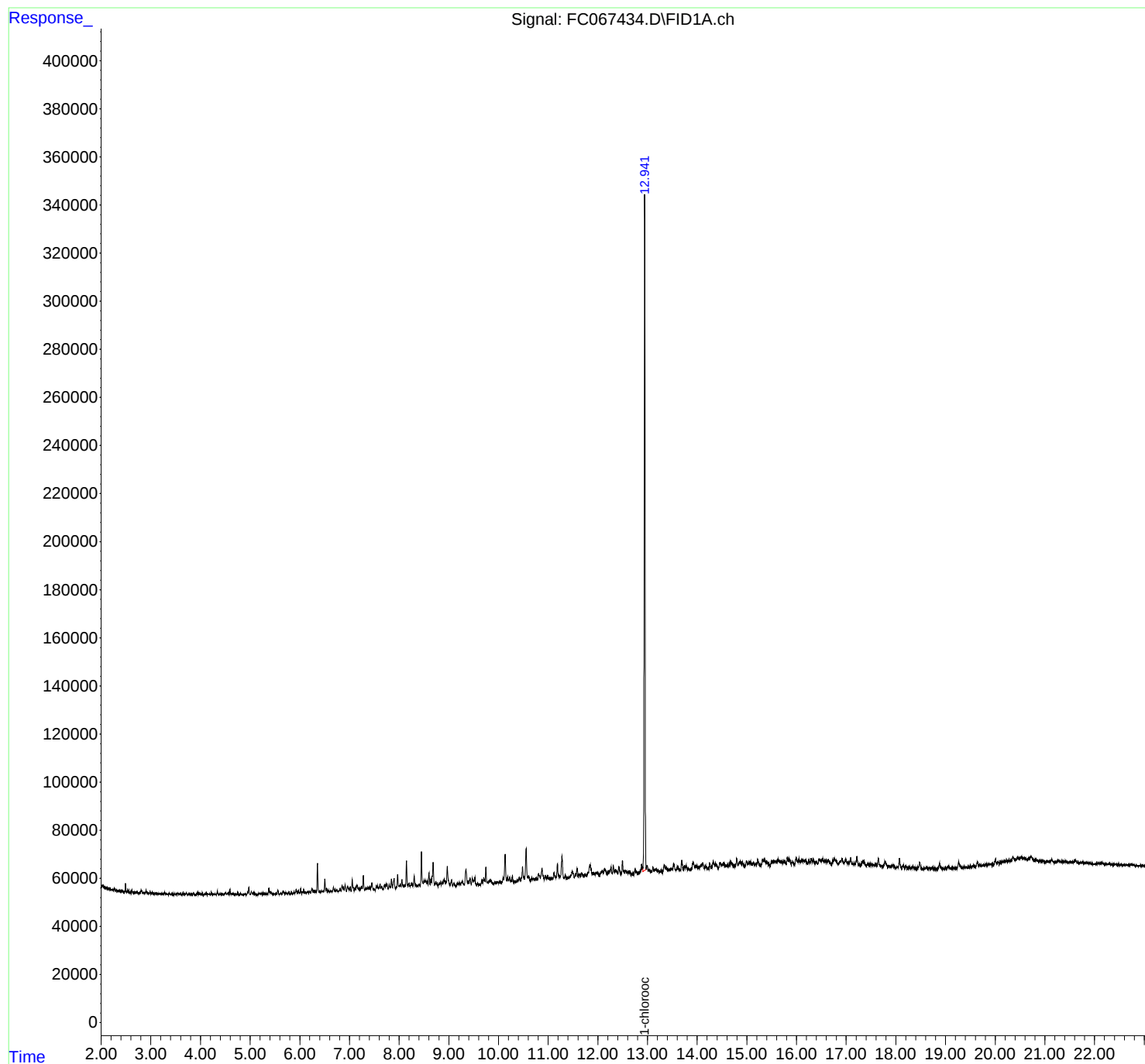
(m)=manual int.

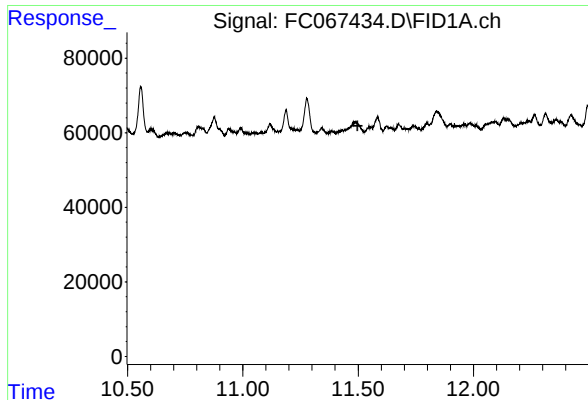
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101424AL\
Data File : FC067434.D
Signal(s) : FID1A.ch
Acq On : 14 Oct 2024 19:07
Operator : YP/AJ
Sample : P4397-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-301-TOP

Integration File: autoint1.e
Quant Time: Oct 15 04:32:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

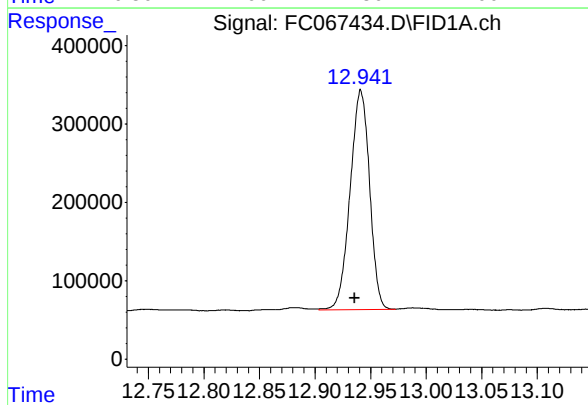




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.497 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
WB-301-TOP



#12 1-chlorooctadecane (SURR)

R.T.: 12.941 min
Delta R.T.: 0.005 min
Response: 3402529
Conc: 30.06 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101424AL\
 Data File : FC067434.D
 Signal(s) : FID1A.ch
 Acq On : 14 Oct 2024 19:07
 Sample : P4397-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.276	3.221	3.355	BV	794	11603	0.32%	0.035%
2	3.373	3.355	3.388	PV	241	3016	0.08%	0.009%
3	3.398	3.388	3.411	VV	192	1902	0.05%	0.006%
4	3.420	3.411	3.438	VV	184	2121	0.06%	0.006%
5	3.478	3.438	3.521	VV	343	7150	0.20%	0.021%
6	3.547	3.521	3.565	PV	459	7520	0.21%	0.022%
7	3.575	3.565	3.584	VV	245	2051	0.06%	0.006%
8	3.601	3.584	3.628	VV	302	5217	0.15%	0.016%
9	3.647	3.628	3.669	VV	832	9633	0.27%	0.029%
10	3.679	3.669	3.689	VV	185	2004	0.06%	0.006%
11	3.718	3.689	3.754	VV	702	11254	0.31%	0.033%
12	3.767	3.754	3.798	VV	326	5744	0.16%	0.017%
13	3.813	3.798	3.832	VV	396	3677	0.10%	0.011%
14	3.858	3.832	3.906	VV	489	9465	0.26%	0.028%
15	3.941	3.906	3.955	PV	921	11063	0.31%	0.033%
16	3.970	3.955	3.994	VV	1115	12421	0.35%	0.037%
17	4.000	3.994	4.021	VV	288	3684	0.10%	0.011%
18	4.035	4.021	4.074	VV	727	8262	0.23%	0.025%
19	4.117	4.074	4.134	VV	867	13815	0.38%	0.041%
20	4.147	4.134	4.200	VV	464	10663	0.30%	0.032%
21	4.217	4.200	4.234	VV	814	8606	0.24%	0.026%
22	4.253	4.234	4.276	VV	369	6970	0.19%	0.021%
23	4.291	4.276	4.320	VV	297	6382	0.18%	0.019%
24	4.341	4.320	4.393	VV	1675	22873	0.64%	0.068%
25	4.408	4.393	4.423	VV	390	4269	0.12%	0.013%
26	4.442	4.423	4.468	VV	334	6672	0.19%	0.020%
27	4.508	4.468	4.524	VV	1051	18253	0.51%	0.054%
28	4.539	4.524	4.550	VV	554	7285	0.20%	0.022%
29	4.565	4.550	4.577	VV	1109	11297	0.31%	0.034%
30	4.594	4.577	4.611	VV	2433	24226	0.67%	0.072%
31	4.621	4.611	4.634	VV	611	6221	0.17%	0.018%
32	4.647	4.634	4.659	VV	495	5713	0.16%	0.017%
33	4.670	4.659	4.681	VV	493	4763	0.13%	0.014%
34	4.689	4.681	4.695	VV	317	2177	0.06%	0.006%
35	4.712	4.695	4.728	VV	535	6819	0.19%	0.020%
36	4.751	4.728	4.773	VV	894	12936	0.36%	0.038%

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37	4.785	4.773	4.798	VV	365	4165	0.12%	0.012%
38	4.811	4.798	4.839	VV	563	7092	0.20%	0.021%
39	4.863	4.839	4.874	VV	357	3830	0.11%	0.011%
40	4.894	4.874	4.921	VV	459	6764	0.19%	0.020%
41	4.973	4.921	5.004	PV	3154	51949	1.44%	0.154%
42	5.028	5.004	5.045	VV	1244	18721	0.52%	0.056%
43	5.055	5.045	5.065	VV	693	6590	0.18%	0.020%
44	5.079	5.065	5.124	VV	1000	14698	0.41%	0.044%
45	5.144	5.124	5.154	VV	267	3474	0.10%	0.010%
46	5.176	5.154	5.187	VV	650	8227	0.23%	0.024%
47	5.199	5.187	5.218	VV	587	8631	0.24%	0.026%
48	5.233	5.218	5.248	VV	605	7336	0.20%	0.022%
49	5.265	5.248	5.280	VV	887	9462	0.26%	0.028%
50	5.292	5.280	5.310	VV	483	6997	0.19%	0.021%
51	5.320	5.310	5.332	VV	370	4126	0.11%	0.012%
52	5.376	5.332	5.407	VV	2747	44412	1.24%	0.132%
53	5.417	5.407	5.484	VV	1156	22501	0.63%	0.067%
54	5.501	5.484	5.513	VV	379	4873	0.14%	0.014%
55	5.558	5.513	5.594	VV	1886	34516	0.96%	0.103%
56	5.623	5.594	5.640	VV	521	10101	0.28%	0.030%
57	5.669	5.640	5.701	VV	1457	29736	0.83%	0.088%
58	5.721	5.701	5.734	VV	923	10199	0.28%	0.030%
59	5.743	5.734	5.755	VV	539	5229	0.15%	0.016%
60	5.784	5.755	5.809	VV	717	13568	0.38%	0.040%
61	5.829	5.809	5.849	PV	899	10648	0.30%	0.032%
62	5.881	5.849	5.903	VV	1057	19275	0.54%	0.057%
63	5.926	5.903	5.954	VV	2029	33385	0.93%	0.099%
64	5.972	5.954	5.993	VV	1622	20520	0.57%	0.061%
65	6.017	5.993	6.040	VV	2302	32058	0.89%	0.095%
66	6.076	6.040	6.092	VV	1532	27605	0.77%	0.082%
67	6.107	6.092	6.121	VV	692	10510	0.29%	0.031%
68	6.162	6.121	6.177	VV	1040	22402	0.62%	0.067%
69	6.192	6.177	6.217	VV	1075	16521	0.46%	0.049%
70	6.245	6.217	6.264	VV	2273	37296	1.04%	0.111%
71	6.283	6.264	6.301	VV	1073	19352	0.54%	0.058%
72	6.310	6.301	6.333	VV	974	15038	0.42%	0.045%
73	6.356	6.333	6.428	VV	12481	154008	4.28%	0.458%
74	6.445	6.428	6.459	VV	1094	14925	0.42%	0.044%
75	6.505	6.459	6.526	VV	5931	82641	2.30%	0.246%
76	6.543	6.526	6.563	VV	1837	27433	0.76%	0.082%
77	6.577	6.563	6.604	VV	1149	16868	0.47%	0.050%
78	6.621	6.604	6.654	VV	894	20904	0.58%	0.062%
79	6.677	6.654	6.701	VV	2182	36086	1.00%	0.107%
80	6.714	6.701	6.727	VV	1169	13135	0.37%	0.039%
81	6.752	6.727	6.771	VV	1030	21512	0.60%	0.064%
82	6.813	6.771	6.832	VV	1556	33466	0.93%	0.100%
83	6.852	6.832	6.865	VV	3028	39576	1.10%	0.118%
84	6.874	6.865	6.892	VV	2331	28163	0.78%	0.084%
85	6.914	6.892	6.940	VV	3178	48421	1.35%	0.144%
86	6.961	6.940	6.993	VV	2452	50682	1.41%	0.151%
87	7.014	6.993	7.034	VV	2192	31271	0.87%	0.093%
88	7.057	7.034	7.096	VV	5161	79543	2.21%	0.237%
89	7.112	7.096	7.124	VV	1634	19282	0.54%	0.057%

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90	7.155	7.124	7.173	VV	2674	59453	1.65%	0.177%	
91	7.196	7.173	7.214	VV	1420	31808	0.88%	0.095%	
92	7.244	7.214	7.258	VV	2238	41461	1.15%	0.123%	
93	7.280	7.258	7.305	VV	6708	88120	2.45%	0.262%	
94	7.331	7.305	7.354	VV	1407	34260	0.95%	0.102%	
95	7.369	7.354	7.388	VV	1814	27709	0.77%	0.082%	
96	7.401	7.388	7.424	VV	1618	31430	0.87%	0.093%	
97	7.451	7.424	7.484	VV	3635	68512	1.91%	0.204%	
98	7.491	7.484	7.517	VV	911	13659	0.38%	0.041%	
99	7.539	7.517	7.552	VV	2086	28973	0.81%	0.086%	
100	7.565	7.552	7.590	VV	2236	37027	1.03%	0.110%	
101	7.616	7.590	7.633	VV	2888	48730	1.36%	0.145%	
102	7.645	7.633	7.678	VV	1708	33633	0.94%	0.100%	
103	7.706	7.678	7.720	VV	2571	41461	1.15%	0.123%	
104	7.734	7.720	7.745	VV	2627	33598	0.93%	0.100%	
105	7.757	7.745	7.778	VV	2750	35361	0.98%	0.105%	
106	7.800	7.778	7.821	VV	2475	41032	1.14%	0.122%	
107	7.845	7.821	7.866	VV	4764	73309	2.04%	0.218%	
108	7.899	7.866	7.927	VV	4961	103503	2.88%	0.308%	
109	7.970	7.927	7.997	VV	6596	112011	3.12%	0.333%	
110	8.021	7.997	8.038	VV	2277	49291	1.37%	0.147%	
111	8.057	8.038	8.084	VV	4408	74081	2.06%	0.220%	
112	8.109	8.084	8.121	VV	1945	41080	1.14%	0.122%	
113	8.149	8.121	8.178	VV	12101	168281	4.68%	0.500%	
114	8.197	8.178	8.218	VV	2716	49648	1.38%	0.148%	
115	8.244	8.218	8.278	VV	2397	70780	1.97%	0.210%	
116	8.305	8.278	8.331	VV	5761	99866	2.78%	0.297%	
117	8.338	8.331	8.371	VV	1865	39032	1.09%	0.116%	
118	8.397	8.371	8.420	VV	2189	52228	1.45%	0.155%	
119	8.450	8.420	8.487	VV	15622	228830	6.36%	0.680%	
120	8.503	8.487	8.516	VV	3895	55621	1.55%	0.165%	
121	8.534	8.516	8.556	VV	3513	78429	2.18%	0.233%	
122	8.567	8.556	8.582	VV	3179	42570	1.18%	0.127%	
123	8.601	8.582	8.623	VV	6810	101158	2.81%	0.301%	
124	8.639	8.623	8.651	VV	4132	54394	1.51%	0.162%	
125	8.685	8.651	8.714	VV	11063	214946	5.98%	0.639%	
126	8.735	8.714	8.751	VV	2981	51479	1.43%	0.153%	
127	8.761	8.751	8.783	VV	2366	36759	1.02%	0.109%	
128	8.806	8.783	8.816	VV	2099	34773	0.97%	0.103%	
129	8.832	8.816	8.851	VV	2662	45472	1.26%	0.135%	
130	8.866	8.851	8.880	VV	2895	41614	1.16%	0.124%	
131	8.907	8.880	8.929	VV	3843	87008	2.42%	0.259%	
132	8.970	8.929	9.022	VV	9040	219417	6.10%	0.652%	
133	9.055	9.022	9.081	VV	3553	75570	2.10%	0.225%	
134	9.099	9.081	9.137	VV	2036	49409	1.37%	0.147%	
135	9.175	9.137	9.187	VV	2026	42228	1.17%	0.126%	
136	9.207	9.187	9.241	VV	2128	58673	1.63%	0.174%	
137	9.272	9.241	9.308	VV	2806	81216	2.26%	0.241%	
138	9.345	9.308	9.377	VV	7499	171930	4.78%	0.511%	
139	9.388	9.377	9.400	VV	2506	31821	0.89%	0.095%	
140	9.427	9.400	9.451	VV	4016	85049	2.37%	0.253%	
141	9.475	9.451	9.492	VV	3869	66125	1.84%	0.197%	

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142	9.506	9.492	9.513	VV	3048	34000	0.95%	0.101%
143	9.527	9.513	9.554	VV	4176	63176	1.76%	0.188%
144	9.584	9.554	9.601	VV	1454	34593	0.96%	0.103%
145	9.624	9.601	9.639	VV	1202	24897	0.69%	0.074%
146	9.666	9.639	9.682	VV	3129	51851	1.44%	0.154%
147	9.704	9.682	9.727	VV	3554	75672	2.10%	0.225%
148	9.747	9.727	9.778	VV	8258	125220	3.48%	0.372%
149	9.826	9.778	9.837	VV	2610	80198	2.23%	0.238%
150	9.848	9.837	9.894	VV	2726	63472	1.77%	0.189%
151	9.923	9.894	9.938	VV	1755	38597	1.07%	0.115%
152	9.979	9.938	10.004	VV	2041	68303	1.90%	0.203%
153	10.024	10.004	10.048	VV	2296	45459	1.26%	0.135%
154	10.094	10.048	10.106	VV	3654	80853	2.25%	0.240%
155	10.135	10.106	10.164	VV	13084	235971	6.56%	0.702%
156	10.184	10.164	10.204	VV	3749	70021	1.95%	0.208%
157	10.224	10.204	10.254	VV	3804	81485	2.27%	0.242%
158	10.280	10.254	10.306	VV	4188	81054	2.25%	0.241%
159	10.323	10.306	10.353	VV	1776	46069	1.28%	0.137%
160	10.381	10.353	10.394	VV	2482	50093	1.39%	0.149%
161	10.417	10.394	10.448	VV	3498	84586	2.35%	0.252%
162	10.485	10.448	10.522	VV	7849	186312	5.18%	0.554%
163	10.558	10.522	10.588	VV	15289	292692	8.14%	0.870%
164	10.602	10.588	10.638	VV	3776	89831	2.50%	0.267%
165	10.675	10.638	10.688	VV	2756	72165	2.01%	0.215%
166	10.700	10.688	10.728	VV	2762	59946	1.67%	0.178%
167	10.756	10.728	10.784	VV	2851	83723	2.33%	0.249%
168	10.810	10.784	10.843	VV	4417	125023	3.48%	0.372%
169	10.876	10.843	10.922	VV	6862	195932	5.45%	0.583%
170	10.939	10.922	10.973	VV	3702	91314	2.54%	0.272%
171	10.991	10.973	11.034	VV	3798	104690	2.91%	0.311%
172	11.050	11.034	11.067	VV	2562	48051	1.34%	0.143%
173	11.080	11.067	11.090	VV	2578	33679	0.94%	0.100%
174	11.118	11.090	11.153	VV	4933	130320	3.62%	0.388%
175	11.187	11.153	11.243	VV	8554	230893	6.42%	0.687%
176	11.278	11.243	11.316	VV	11666	253744	7.06%	0.755%
177	11.342	11.316	11.365	VV	3614	83244	2.32%	0.248%
178	11.385	11.365	11.402	VV	2790	54381	1.51%	0.162%
179	11.487	11.402	11.528	VV	5137	260923	7.26%	0.776%
180	11.551	11.528	11.560	VV	3597	64351	1.79%	0.191%
181	11.584	11.560	11.608	VV	6025	128586	3.58%	0.382%
182	11.624	11.608	11.657	VV	3864	99125	2.76%	0.295%
183	11.675	11.657	11.694	VV	4297	79854	2.22%	0.237%
184	11.704	11.694	11.720	VV	3171	47568	1.32%	0.141%
185	11.740	11.720	11.772	VV	3741	104372	2.90%	0.310%
186	11.799	11.772	11.809	VV	4477	83759	2.33%	0.249%
187	11.839	11.809	11.885	VV	7684	262965	7.31%	0.782%
188	11.900	11.885	11.941	VV	4311	127169	3.54%	0.378%
189	11.962	11.941	11.971	VV	4058	68917	1.92%	0.205%
190	11.985	11.971	12.032	VV	4472	135841	3.78%	0.404%
191	12.094	12.032	12.114	VV	4758	199728	5.56%	0.594%
192	12.131	12.114	12.144	VV	5545	90758	2.52%	0.270%
193	12.150	12.144	12.180	VV	5194	96742	2.69%	0.288%
194	12.266	12.180	12.288	VV	6443	291767	8.12%	0.868%

					rteres			
195	12.312	12.288	12.340	VV	6801	156780	4.36%	0.466%
196	12.359	12.340	12.399	VV	5083	154991	4.31%	0.461%
197	12.423	12.399	12.470	VV	6298	193926	5.39%	0.577%
198	12.496	12.470	12.516	VV	8763	155656	4.33%	0.463%
199	12.525	12.516	12.539	VV	4637	59965	1.67%	0.178%
200	12.558	12.539	12.582	VV	4687	105883	2.95%	0.315%
201	12.612	12.582	12.625	VV	4055	98581	2.74%	0.293%
202	12.641	12.625	12.671	VV	4543	99892	2.78%	0.297%
203	12.680	12.671	12.698	VV	3106	45987	1.28%	0.137%
204	12.748	12.698	12.769	VV	4733	154555	4.30%	0.460%
205	12.783	12.769	12.804	VV	4015	76432	2.13%	0.227%
206	12.819	12.804	12.841	VV	3896	73910	2.06%	0.220%
207	12.882	12.841	12.899	VV	6796	172308	4.79%	0.512%
208	12.941	12.899	12.973	VV	283426	3595217	100.00%	10.690%
209	12.989	12.973	13.024	VV	6317	162203	4.51%	0.482%
210	13.040	13.024	13.064	VV	4556	96573	2.69%	0.287%
211	13.075	13.064	13.087	VV	4048	51669	1.44%	0.154%
212	13.108	13.087	13.130	VV	5710	116927	3.25%	0.348%
213	13.149	13.130	13.168	VV	4656	99274	2.76%	0.295%
214	13.177	13.168	13.194	VV	4887	70169	1.95%	0.209%
215	13.211	13.194	13.231	VV	4285	86162	2.40%	0.256%
216	13.242	13.231	13.252	VV	3729	45355	1.26%	0.135%
217	13.272	13.252	13.297	VV	4410	100319	2.79%	0.298%
218	13.336	13.297	13.364	VV	6390	197167	5.48%	0.586%
219	13.383	13.364	13.401	VV	5129	106091	2.95%	0.315%
220	13.414	13.401	13.436	VV	4554	88963	2.47%	0.265%
221	13.455	13.436	13.470	VV	4783	89948	2.50%	0.267%
222	13.488	13.470	13.503	VV	4914	89157	2.48%	0.265%
223	13.527	13.503	13.571	VV	6516	208004	5.79%	0.618%
224	13.605	13.571	13.668	VV	5235	255979	7.12%	0.761%
225	13.691	13.668	13.724	VV	7906	187723	5.22%	0.558%
226	13.743	13.724	13.762	VV	5611	113167	3.15%	0.337%
227	13.777	13.762	13.857	VV	5891	257693	7.17%	0.766%
228	13.917	13.857	13.954	VV	6760	302252	8.41%	0.899%
229	13.959	13.954	13.973	VV	5236	57877	1.61%	0.172%
230	13.990	13.973	14.048	VV	5848	219415	6.10%	0.652%
231	14.055	14.048	14.063	VV	5137	46367	1.29%	0.138%
232	14.081	14.063	14.091	VV	5931	89313	2.48%	0.266%
233	14.110	14.091	14.145	VV	6562	184414	5.13%	0.548%
234	14.163	14.145	14.231	VV	5342	231986	6.45%	0.690%
235	14.252	14.231	14.287	VV	6433	167061	4.65%	0.497%
236	14.323	14.287	14.361	VV	6839	254416	7.08%	0.757%
237	14.373	14.361	14.423	VV	5869	192251	5.35%	0.572%
238	14.459	14.423	14.491	VV	6338	221986	6.17%	0.660%
239	14.536	14.491	14.558	VV	6387	227200	6.32%	0.676%
240	14.571	14.558	14.588	VV	5421	88449	2.46%	0.263%
241	14.606	14.588	14.626	VV	5354	115177	3.20%	0.342%
242	14.646	14.626	14.658	VV	5941	104057	2.89%	0.309%
243	14.679	14.658	14.734	VV	6731	260814	7.25%	0.776%
244	14.748	14.734	14.767	VV	5192	96238	2.68%	0.286%
245	14.795	14.767	14.824	VV	7922	204818	5.70%	0.609%
246	14.867	14.824	14.889	VV	6473	229589	6.39%	0.683%

					rteres			
247	14.910	14.889	14.960	VV	6547	221653	6.17%	0.659%
248	14.995	14.960	15.014	VV	6541	182098	5.07%	0.541%
249	15.040	15.014	15.060	VV	6142	156235	4.35%	0.465%
250	15.070	15.060	15.101	VV	6164	139079	3.87%	0.414%
251	15.107	15.101	15.114	VV	5299	41385	1.15%	0.123%
252	15.133	15.114	15.168	VV	5959	170435	4.74%	0.507%
253	15.178	15.168	15.198	VV	5547	92857	2.58%	0.276%
254	15.218	15.198	15.284	VV	7041	277936	7.73%	0.826%
255	15.316	15.284	15.342	VV	6990	210330	5.85%	0.625%
256	15.360	15.342	15.381	VV	7157	154521	4.30%	0.459%
257	15.400	15.381	15.470	VV	6214	276728	7.70%	0.823%
258	15.495	15.470	15.511	VV	6300	133245	3.71%	0.396%
259	15.528	15.511	15.546	VV	6254	123203	3.43%	0.366%
260	15.560	15.546	15.589	VV	6281	152016	4.23%	0.452%
261	15.626	15.589	15.681	VV	6992	330365	9.19%	0.982%
262	15.699	15.681	15.728	VV	6102	156758	4.36%	0.466%
263	15.743	15.728	15.759	VV	6267	108162	3.01%	0.322%
264	15.770	15.759	15.790	VV	5817	101163	2.81%	0.301%
265	15.814	15.790	15.831	VV	7794	155492	4.32%	0.462%
266	15.851	15.831	15.888	VV	6997	206110	5.73%	0.613%
267	15.912	15.888	15.958	VV	5755	212444	5.91%	0.632%
268	15.989	15.958	16.025	VV	7236	237774	6.61%	0.707%
269	16.048	16.025	16.083	VV	6526	203911	5.67%	0.606%
270	16.103	16.083	16.148	VV	6211	226210	6.29%	0.673%
271	16.155	16.148	16.163	VV	5706	52645	1.46%	0.157%
272	16.179	16.163	16.228	VV	6111	206424	5.74%	0.614%
273	16.246	16.228	16.271	VV	6302	140038	3.90%	0.416%
274	16.297	16.271	16.314	VV	6730	146328	4.07%	0.435%
275	16.335	16.314	16.376	VV	6549	196626	5.47%	0.585%
276	16.402	16.376	16.429	VV	5390	154316	4.29%	0.459%
277	16.461	16.429	16.500	VV	6389	237459	6.60%	0.706%
278	16.527	16.500	16.551	VV	6511	174137	4.84%	0.518%
279	16.564	16.551	16.614	VV	5851	199034	5.54%	0.592%
280	16.639	16.614	16.701	VV	5846	251190	6.99%	0.747%
281	16.729	16.701	16.744	VV	5518	124056	3.45%	0.369%
282	16.761	16.744	16.828	VV	6448	265851	7.39%	0.791%
283	16.913	16.828	16.957	VV	6100	371365	10.33%	1.104%
284	16.983	16.957	17.058	VV	5462	280173	7.79%	0.833%
285	17.088	17.058	17.128	VV	6115	196942	5.48%	0.586%
286	17.213	17.128	17.253	VV	6578	315328	8.77%	0.938%
287	17.268	17.253	17.292	VV	3479	73105	2.03%	0.217%
288	17.331	17.292	17.399	VV	4876	246453	6.86%	0.733%
289	17.423	17.399	17.474	VV	3586	141849	3.95%	0.422%
290	17.490	17.474	17.520	VV	3249	86524	2.41%	0.257%
291	17.531	17.520	17.565	VV	3310	80551	2.24%	0.240%
292	17.585	17.565	17.608	VV	3316	75852	2.11%	0.226%
293	17.648	17.608	17.698	VV	5687	183976	5.12%	0.547%
294	17.706	17.698	17.740	VV	2635	60110	1.67%	0.179%
295	17.785	17.740	17.844	VV	4322	178390	4.96%	0.530%
296	17.859	17.844	17.898	VV	2418	66534	1.85%	0.198%
297	17.934	17.898	17.994	VV	2630	123030	3.42%	0.366%
298	18.025	17.994	18.032	VV	1739	35065	0.98%	0.104%
299	18.071	18.032	18.117	VV	5201	125240	3.48%	0.372%

					rteres			
300	18.150	18.117	18.180	VV	2258	64017	1.78%	0.190%
301	18.204	18.180	18.247	VV	1810	54532	1.52%	0.162%
302	18.263	18.247	18.308	VV	1621	43813	1.22%	0.130%
303	18.346	18.308	18.372	VV	1799	51130	1.42%	0.152%
304	18.381	18.372	18.417	VV	1184	20420	0.57%	0.061%
305	18.448	18.417	18.456	VV	1613	23794	0.66%	0.071%
306	18.479	18.456	18.528	VV	3238	72229	2.01%	0.215%
307	18.571	18.528	18.591	VV	963	22960	0.64%	0.068%
308	18.620	18.591	18.646	VV	1088	26183	0.73%	0.078%
309	18.664	18.646	18.698	VV	893	19088	0.53%	0.057%
310	18.738	18.698	18.761	VV	1147	23366	0.65%	0.069%
311	18.777	18.761	18.824	VV	763	14024	0.39%	0.042%
312	18.878	18.824	18.934	VV	2778	58159	1.62%	0.173%
313	18.948	18.934	18.972	VV	394	6329	0.18%	0.019%
314	18.996	18.972	19.021	PV	749	11856	0.33%	0.035%
315	19.063	19.021	19.091	VV	1110	24158	0.67%	0.072%
316	19.132	19.091	19.144	VV	545	11305	0.31%	0.034%
317	19.160	19.144	19.207	VV	666	12577	0.35%	0.037%
318	19.263	19.207	19.336	VV	3032	70929	1.97%	0.211%
319	19.372	19.336	19.472	VV	642	31145	0.87%	0.093%
320	19.504	19.472	19.523	VV	799	17547	0.49%	0.052%
321	19.542	19.523	19.601	VV	1049	32396	0.90%	0.096%
322	19.639	19.601	19.668	VV	2428	56469	1.57%	0.168%
323	19.684	19.668	19.728	VV	1253	32298	0.90%	0.096%
324	19.752	19.728	19.773	VV	993	23676	0.66%	0.070%
325	19.820	19.773	19.838	VV	1201	39551	1.10%	0.118%
326	19.868	19.838	19.881	VV	1518	32997	0.92%	0.098%
327	19.883	19.881	19.902	VV	1378	16100	0.45%	0.048%
328	19.912	19.902	19.961	VV	1257	38108	1.06%	0.113%
329	20.003	19.961	20.034	VV	3132	81456	2.27%	0.242%
330	20.057	20.034	20.078	VV	2015	42919	1.19%	0.128%
331	20.100	20.078	20.117	VV	1839	38605	1.07%	0.115%
332	20.201	20.117	20.211	VV	2302	109787	3.05%	0.326%
333	20.228	20.211	20.251	VV	2392	53228	1.48%	0.158%
334	20.273	20.251	20.296	VV	2556	61166	1.70%	0.182%
335	20.356	20.296	20.414	VV	4175	201566	5.61%	0.599%
336	20.442	20.414	20.467	VV	3336	96794	2.69%	0.288%
337	20.477	20.467	20.495	VV	3430	54115	1.51%	0.161%
338	20.506	20.495	20.511	VV	3199	28407	0.79%	0.084%
339	20.531	20.511	20.548	VV	3554	72097	2.01%	0.214%
340	20.557	20.548	20.641	VV	3230	162410	4.52%	0.483%
341	20.722	20.641	20.791	VV	3653	247551	6.89%	0.736%
342	20.813	20.791	20.871	VV	2296	95135	2.65%	0.283%
343	20.903	20.871	21.014	VV	1703	125142	3.48%	0.372%
344	21.042	21.014	21.088	VV	1490	56458	1.57%	0.168%
345	21.136	21.088	21.227	VV	1792	102084	2.84%	0.304%
346	21.272	21.227	21.284	VV	1384	38310	1.07%	0.114%
347	21.289	21.284	21.318	VV	1240	22103	0.61%	0.066%
348	21.325	21.318	21.332	VV	1064	8005	0.22%	0.024%
349	21.338	21.332	21.348	VV	1068	9358	0.26%	0.028%
350	21.379	21.348	21.429	VV	1033	45486	1.27%	0.135%
351	21.437	21.429	21.452	VV	774	9614	0.27%	0.029%

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352	21.461	21.452	21.478	VV	645	8688	0.24%	0.026%	
353	21.491	21.478	21.504	VV	673	8898	0.25%	0.026%	
354	21.531	21.504	21.544	VV	582	13180	0.37%	0.039%	
355	21.609	21.544	21.714	VV	1150	52436	1.46%	0.156%	

Sum of corrected areas: 33630373

Aliphatic EPH 100224.M Tue Oct 15 06:39:50 2024

A
B
C
D
E
F
G
H
I
J

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AR\
 Data File : FD048521.D
 Signal(s) : FID2B.ch
 Acq On : 15 Oct 2024 11:10
 Operator : YP/AJ
 Sample : P4397-01
 Misc :
 ALS Vial : 86 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

WB-301-TOP

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e

Quant Time: Oct 16 01:37:49 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 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...	7.377	8119618	49.041 ug/ml
Spiked Amount 50.000		Recovery =	98.08%
6) S 2-Fluorobiphenyl (SURR)	8.227	5233558	50.466 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	100.93%
11) S ortho-Terphenyl (SURR)	11.264	4301929	23.381 ug/mlm
Spiked Amount 50.000		Recovery =	46.76%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AR\
Data File : FD048521.D
Signal(s) : FID2B.ch
Acq On : 15 Oct 2024 11:10
Operator : YP/AJ
Sample : P4397-01
Misc :
ALS Vial : 86 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

WB-301-TOP

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e

Quant Time: Oct 16 01:37:49 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 2024

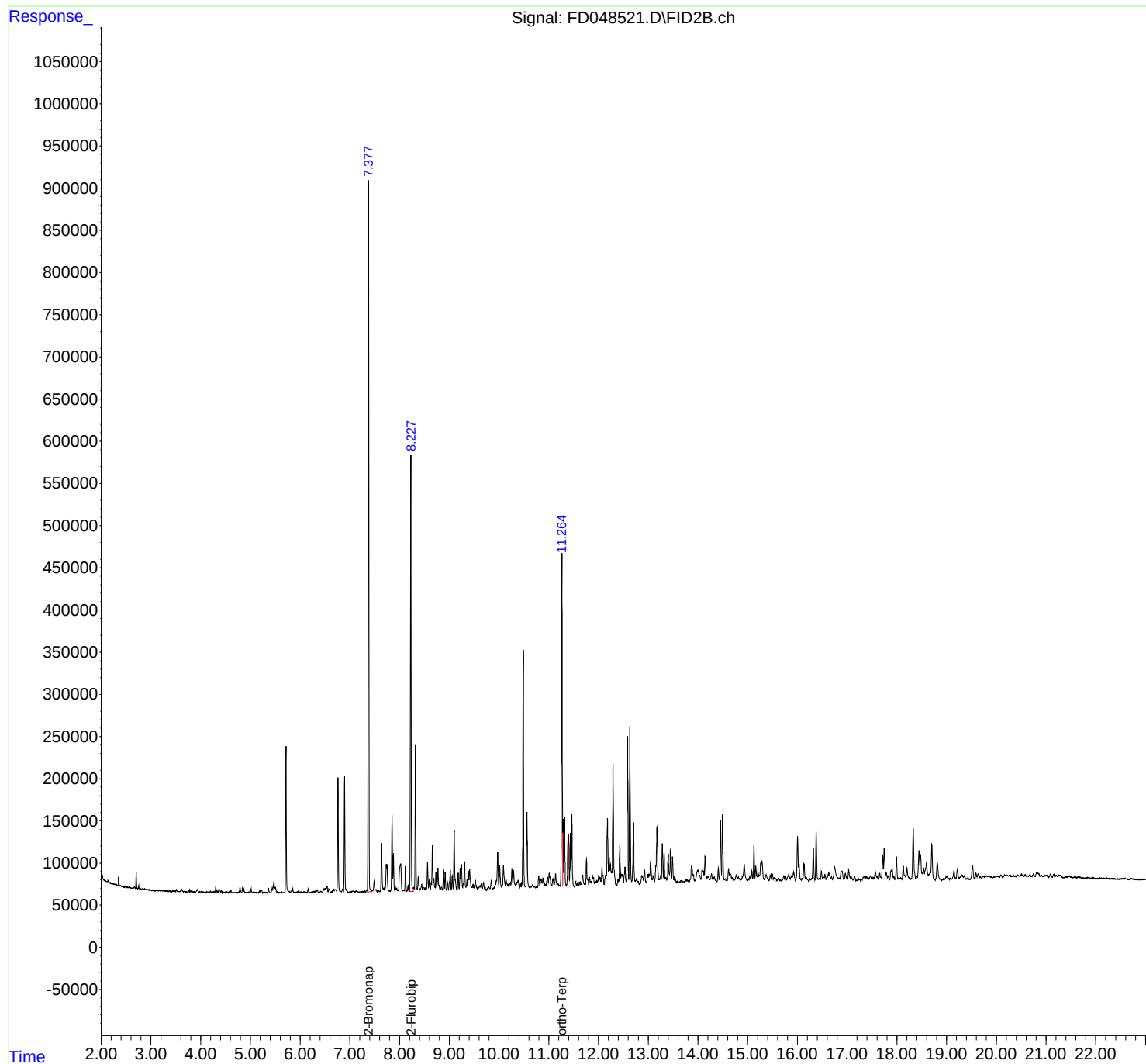
Response via : Initial Calibration

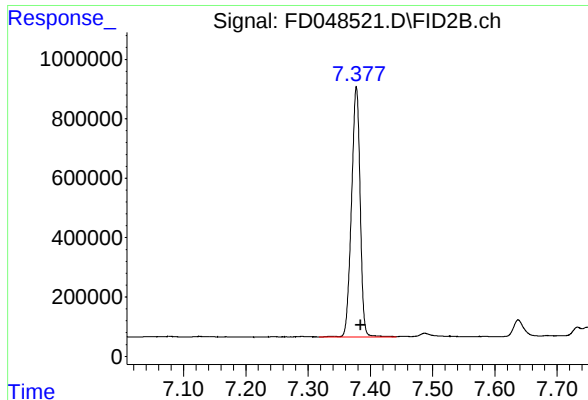
Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm





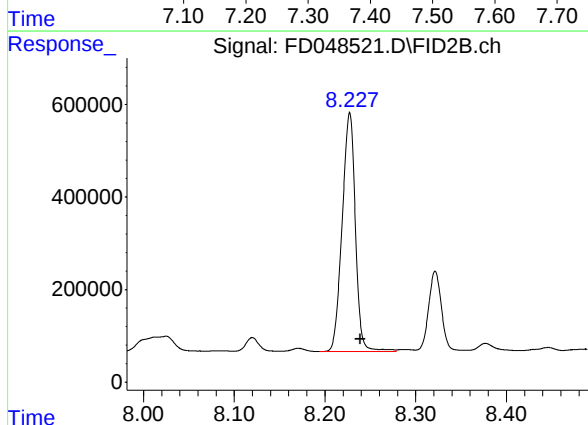
#4 2-Bromonaphthalene (SURR)

R.T.: 7.377 min
Delta R.T.: -0.007 min
Response: 8119618
Conc: 49.04 ug/ml

Instrument :
FID_D
ClientSampleId :
WB-301-TOP

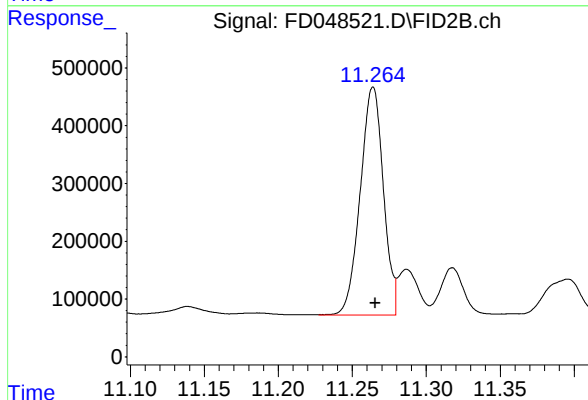
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.227 min
Delta R.T.: -0.012 min
Response: 5233558
Conc: 50.47 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.264 min
Delta R.T.: -0.002 min
Response: 4301929
Conc: 23.38 ug/ml

Instrument :

FID_D

ClientSampleId :

WB-301-TOP

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10142

Data File : FD048521.D

Signal(s) : FID2B.ch

Acq On : 15 Oct 2024 11:10

Sample : P4397-01

Misc :

ALS Vial : 86 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :Ankita Jodhani 10/16/2024

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.167	4.152	4.187	PV	1530	13353	0.16%	0.014%
2	4.202	4.187	4.220	PV	1602	14335	0.18%	0.015%
3	4.237	4.220	4.248	PV	886	8040	0.10%	0.008%
4	4.268	4.248	4.285	VV	1152	14694	0.18%	0.015%
5	4.304	4.285	4.322	VV	7133	65881	0.81%	0.068%
6	4.330	4.322	4.352	VV	2072	19616	0.24%	0.020%
7	4.369	4.352	4.403	VV	5033	71032	0.87%	0.073%
8	4.417	4.403	4.438	VV	3005	29968	0.37%	0.031%
9	4.445	4.438	4.461	VV	410	3271	0.04%	0.003%
10	4.482	4.461	4.492	VV	518	5960	0.07%	0.006%
11	4.511	4.492	4.526	VV	2387	26382	0.32%	0.027%
12	4.535	4.526	4.552	VV	977	10702	0.13%	0.011%
13	4.573	4.552	4.591	VV	1478	18696	0.23%	0.019%
14	4.610	4.591	4.641	VV	2957	38647	0.47%	0.040%
15	4.647	4.641	4.656	VV	431	2170	0.03%	0.002%
16	4.684	4.656	4.695	PV	543	6671	0.08%	0.007%
17	4.711	4.695	4.746	VV	833	12471	0.15%	0.013%
18	4.768	4.746	4.774	VV	1275	13421	0.16%	0.014%
19	4.791	4.774	4.825	VV	7128	92255	1.13%	0.095%
20	4.842	4.825	4.856	VV	5617	56181	0.69%	0.058%
21	4.868	4.856	4.911	VV	5126	59391	0.73%	0.061%
22	4.917	4.911	4.935	VV	578	6627	0.08%	0.007%
23	4.959	4.935	4.972	VV	1362	19055	0.23%	0.020%
24	4.977	4.972	4.994	VV	1026	9536	0.12%	0.010%
25	5.014	4.994	5.043	VV	4750	55585	0.68%	0.057%
26	5.058	5.043	5.069	VV	1326	16034	0.20%	0.016%
27	5.077	5.069	5.098	VV	1027	10270	0.13%	0.011%
28	5.101	5.098	5.107	VV	320	1262	0.02%	0.001%
29	5.116	5.107	5.125	VV	277	2483	0.03%	0.003%
30	5.132	5.125	5.146	VV	591	6231	0.08%	0.006%
31	5.151	5.146	5.172	VV	491	6526	0.08%	0.007%
32	5.187	5.172	5.203	VV	3504	40654	0.50%	0.042%
33	5.217	5.203	5.267	VV	3816	64156	0.79%	0.066%
34	5.271	5.267	5.274	VV	392	1410	0.02%	0.001%
35	5.293	5.274	5.338	VV	711	17037	0.21%	0.018%
36	5.366	5.338	5.390	VV	5509	59959	0.74%	0.062%

Instrument : FID_D									
ClientSampleId : WB-301-TOP									
Manual IntegrationsAPPROVED									
Reviewed By :Yogesh Patel 10/16/2024									
Supervised By :Ankita Jodhani 10/16/2024									
				rt	Area	Area%	Height	Height%	
37	5.396	5.390	5.412	VV	452	4131	0.05%	0.004%	A
38	5.435	5.412	5.447	VV	4767	61090	0.06%	0.005%	B
39	5.473	5.447	5.503	VV	13692	275884	0.06%	0.005%	C
40	5.509	5.503	5.533	VV	5992	60925	0.06%	0.005%	D
41	5.549	5.533	5.575	VV	2216	31579	0.06%	0.005%	E
42	5.590	5.575	5.615	VV	593	8653	0.06%	0.005%	F
43	5.637	5.615	5.655	PV	994	12961	0.16%	0.013%	G
44	5.689	5.655	5.695	VV	906	14527	0.18%	0.015%	H
45	5.716	5.695	5.805	VV	173994	1700790	20.89%	1.748%	I
46	5.822	5.805	5.836	VV	2448	29533	0.36%	0.030%	J
47	5.851	5.836	5.875	VV	5770	63398	0.78%	0.065%	
48	5.877	5.875	5.880	VV	813	2185	0.03%	0.002%	
49	5.898	5.880	5.908	VV	1040	14692	0.18%	0.015%	
50	5.913	5.908	5.925	VV	950	6971	0.09%	0.007%	
51	5.939	5.925	5.947	VV	1468	13934	0.17%	0.014%	
52	5.958	5.947	5.971	VV	1727	18534	0.23%	0.019%	
53	5.980	5.971	6.003	VV	1380	19521	0.24%	0.020%	
54	6.013	6.003	6.034	VV	840	11003	0.14%	0.011%	
55	6.041	6.034	6.045	VV	284	1544	0.02%	0.002%	
56	6.078	6.045	6.097	VV	1706	22986	0.28%	0.024%	
57	6.111	6.097	6.125	VV	724	7242	0.09%	0.007%	
58	6.162	6.125	6.190	VV	5046	56069	0.69%	0.058%	
59	6.194	6.190	6.208	VV	547	3666	0.05%	0.004%	
60	6.245	6.208	6.254	VV	1173	20247	0.25%	0.021%	
61	6.269	6.254	6.286	VV	1686	26070	0.32%	0.027%	
62	6.308	6.286	6.320	VV	2288	34221	0.42%	0.035%	
63	6.348	6.320	6.370	VV	3664	59327	0.73%	0.061%	
64	6.381	6.370	6.398	VV	798	8186	0.10%	0.008%	
65	6.412	6.398	6.421	VV	1849	17088	0.21%	0.018%	
66	6.426	6.421	6.446	VV	1703	14793	0.18%	0.015%	
67	6.467	6.446	6.481	VV	5120	60398	0.74%	0.062%	
68	6.494	6.481	6.503	VV	5279	57306	0.70%	0.059%	
69	6.515	6.503	6.520	VV	5440	51608	0.63%	0.053%	
70	6.529	6.520	6.535	VV	5974	50394	0.62%	0.052%	
71	6.544	6.535	6.561	VV	7881	80508	0.99%	0.083%	
72	6.579	6.561	6.611	VV	4884	83218	1.02%	0.086%	
73	6.671	6.611	6.687	VV	4361	94703	1.16%	0.097%	
74	6.702	6.687	6.711	VV	3938	47574	0.58%	0.049%	
75	6.717	6.711	6.732	VV	3587	38928	0.48%	0.040%	
76	6.762	6.732	6.809	VV	136204	1384816	17.01%	1.423%	
77	6.814	6.809	6.835	VV	1781	22927	0.28%	0.024%	
78	6.853	6.835	6.871	VV	4373	55844	0.69%	0.057%	
79	6.894	6.871	6.926	VV	138495	1348670	16.57%	1.386%	
80	6.937	6.926	6.985	VV	4321	62274	0.77%	0.064%	
81	7.003	6.985	7.023	VV	1355	21143	0.26%	0.022%	
82	7.046	7.023	7.058	VV	2099	27426	0.34%	0.028%	
83	7.079	7.058	7.106	VV	2362	41166	0.51%	0.042%	
84	7.127	7.106	7.162	VV	2226	45981	0.56%	0.047%	
85	7.168	7.162	7.183	VV	1132	7766	0.10%	0.008%	
86	7.196	7.183	7.213	VV	682	6370	0.08%	0.007%	
87	7.244	7.213	7.262	PV	1100	20325	0.25%	0.021%	
88	7.265	7.262	7.268	VV	999	3570	0.04%	0.004%	
89	7.272	7.268	7.275	VV	999	3751	0.05%	0.004%	

Instrument : FID_D									
ClientSampleId : WB-301-TOP									
90	7.291	7.275	7.320	VV	2218	34387	0.42%	0.035%	A
91	7.338	7.320	7.350	VV	2520	32762			B
92	7.378	7.350	7.440	VV	841341	8140359	100		C
93	7.453	7.440	7.465	VV	2337	29103			D
94	7.488	7.465	7.521	VV	12848	193114			E
95	7.527	7.521	7.547	VV	2877	33778			F
96	7.586	7.547	7.602	VV	1978	47124	0.58%	0.048%	G
97	7.638	7.602	7.672	VV	57813	708588	8.70%	0.728%	H
98	7.685	7.672	7.697	VV	4739	60321	0.74%	0.062%	I
99	7.733	7.697	7.740	VV	32907	366315	4.50%	0.376%	J
100	7.748	7.740	7.793	VV	32802	377453	4.64%	0.388%	
101	7.807	7.793	7.817	VV	1267	15388	0.19%	0.016%	
102	7.850	7.817	7.865	VV	90381	961716	11.81%	0.988%	
103	7.877	7.865	7.899	VV	45503	468060	5.75%	0.481%	
104	7.913	7.899	7.932	VV	6636	94871	1.17%	0.098%	
105	7.943	7.932	7.959	VV	4210	47557	0.58%	0.049%	
106	7.965	7.959	7.975	VV	1498	13520	0.17%	0.014%	
107	8.025	7.975	8.068	VV	33446	840876	10.33%	0.864%	
108	8.086	8.068	8.100	VV	1664	25874	0.32%	0.027%	
109	8.120	8.100	8.152	VV	30394	306609	3.77%	0.315%	
110	8.171	8.152	8.193	VV	7135	72783	0.89%	0.075%	
111	8.227	8.193	8.279	VV	517186	5237738	64.34%	5.383%	
112	8.288	8.279	8.299	VV	4349	48191	0.59%	0.050%	
113	8.322	8.299	8.357	VV	173431	1725110	21.19%	1.773%	
114	8.377	8.357	8.415	VV	17489	243689	2.99%	0.250%	
115	8.446	8.415	8.463	VV	8576	132276	1.62%	0.136%	
116	8.487	8.463	8.504	VV	4931	87022	1.07%	0.089%	
117	8.517	8.504	8.535	VV	4120	52914	0.65%	0.054%	
118	8.564	8.535	8.583	VV	34095	394132	4.84%	0.405%	
119	8.598	8.583	8.619	VV	14520	168831	2.07%	0.174%	
120	8.637	8.619	8.644	VV	10219	102893	1.26%	0.106%	
121	8.661	8.644	8.678	VV	54007	560271	6.88%	0.576%	
122	8.688	8.678	8.714	VV	14701	205892	2.53%	0.212%	
123	8.733	8.714	8.749	VV	22039	241645	2.97%	0.248%	
124	8.773	8.749	8.817	VV	27144	405215	4.98%	0.416%	
125	8.842	8.817	8.863	VV	4555	76466	0.94%	0.079%	
126	8.886	8.863	8.903	VV	26305	290465	3.57%	0.299%	
127	8.919	8.903	8.940	VV	21976	227761	2.80%	0.234%	
128	8.968	8.940	8.985	VV	9477	122562	1.51%	0.126%	
129	9.001	8.985	9.007	VV	10273	85006	1.04%	0.087%	
130	9.022	9.007	9.042	VV	24688	285545	3.51%	0.293%	
131	9.059	9.042	9.079	VV	18096	201541	2.48%	0.207%	
132	9.100	9.079	9.158	VV	71887	926832	11.39%	0.953%	
133	9.180	9.158	9.199	VV	21013	237263	2.91%	0.244%	
134	9.220	9.199	9.232	VV	26879	301689	3.71%	0.310%	
135	9.245	9.232	9.269	VV	30690	396198	4.87%	0.407%	
136	9.307	9.269	9.334	VV	34262	511878	6.29%	0.526%	
137	9.358	9.334	9.371	VV	12962	169956	2.09%	0.175%	
138	9.385	9.371	9.397	VV	22879	234860	2.89%	0.241%	
139	9.409	9.397	9.455	VV	25491	427235	5.25%	0.439%	
140	9.478	9.455	9.494	VV	7198	109483	1.34%	0.113%	
141	9.527	9.494	9.545	VV	11495	209934	2.58%	0.216%	

Instrument : FID_D									
ClientSampleId : WB-301-TOP									
Manual IntegrationsAPPROVED									
Reviewed By :Yogesh Patel 10/16/2024 Supervised By :Ankita Jodhani 10/16/2024									
142	9.550	9.545	9.567	VV	3835	36135	0.44%	0.037%	A
143	9.582	9.567	9.597	VV	4016	52199			B
144	9.614	9.597	9.628	VV	5321	77451			C
145	9.642	9.628	9.666	VV	7268	102189			D
146	9.689	9.666	9.711	VV	8962	140016			E
147	9.721	9.711	9.745	VV	2970	31483			F
148	9.765	9.745	9.773	PV	1445	13781	0.17%	0.014%	G
149	9.791	9.773	9.821	VV	4019	71273	0.88%	0.073%	H
150	9.845	9.821	9.880	VV	10906	166166	2.04%	0.171%	I
151	9.975	9.880	9.997	VV	45365	844296	10.37%	0.868%	J
152	10.015	9.997	10.046	VV	29184	397144	4.88%	0.408%	
153	10.065	10.046	10.071	VV	6111	72362	0.89%	0.074%	
154	10.090	10.071	10.125	VV	28455	487571	5.99%	0.501%	
155	10.142	10.125	10.180	VV	11725	264880	3.25%	0.272%	
156	10.185	10.180	10.199	VV	5607	51529	0.63%	0.053%	
157	10.228	10.199	10.240	VV	8163	151889	1.87%	0.156%	
158	10.261	10.240	10.277	VV	24884	333871	4.10%	0.343%	
159	10.294	10.277	10.336	VV	22407	383399	4.71%	0.394%	
160	10.367	10.336	10.371	VV	8689	132899	1.63%	0.137%	
161	10.385	10.371	10.412	VV	10652	182400	2.24%	0.187%	
162	10.430	10.412	10.444	VV	6332	79015	0.97%	0.081%	
163	10.488	10.444	10.523	VV	283203	2983281	36.65%	3.066%	
164	10.529	10.523	10.539	VV	3237	28113	0.35%	0.029%	
165	10.562	10.539	10.609	VV	91354	1089452	13.38%	1.120%	
166	10.625	10.609	10.640	VV	3433	49977	0.61%	0.051%	
167	10.673	10.640	10.695	VV	4382	104836	1.29%	0.108%	
168	10.709	10.695	10.738	VV	3465	61831	0.76%	0.064%	
169	10.754	10.738	10.774	VV	2565	43139	0.53%	0.044%	
170	10.799	10.774	10.822	VV	14837	232932	2.86%	0.239%	
171	10.838	10.822	10.868	VV	11201	231301	2.84%	0.238%	
172	10.883	10.868	10.907	VV	12281	193692	2.38%	0.199%	
173	10.918	10.907	10.933	VV	6177	76600	0.94%	0.079%	
174	10.978	10.933	10.994	VV	13177	300370	3.69%	0.309%	
175	11.010	10.994	11.020	VV	18219	212665	2.61%	0.219%	
176	11.026	11.020	11.045	VV	14060	146286	1.80%	0.150%	
177	11.052	11.045	11.062	VV	4533	44023	0.54%	0.045%	
178	11.085	11.062	11.106	VV	11693	192109	2.36%	0.197%	
179	11.139	11.106	11.168	VV	17238	343080	4.21%	0.353%	
180	11.186	11.168	11.211	VV	5903	116275	1.43%	0.120%	
181	11.264	11.211	11.280	VV	396820	4424065	54.35%	4.547%	
182	11.287	11.280	11.303	VV	81541	755347	9.28%	0.776%	
183	11.318	11.303	11.348	VV	84179	948868	11.66%	0.975%	
184	11.359	11.348	11.363	VV	4190	35886	0.44%	0.037%	
185	11.396	11.363	11.415	VV	64115	1089474	13.38%	1.120%	
186	11.434	11.415	11.448	VV	65346	721232	8.86%	0.741%	
187	11.464	11.448	11.519	VV	88035	1077633	13.24%	1.108%	
188	11.544	11.519	11.565	VV	7577	112158	1.38%	0.115%	
189	11.590	11.565	11.610	VV	6756	131013	1.61%	0.135%	
190	11.628	11.610	11.644	VV	6851	99734	1.23%	0.102%	
191	11.681	11.644	11.723	VV	14833	357200	4.39%	0.367%	
192	11.729	11.723	11.737	VV	4031	31479	0.39%	0.032%	
193	11.759	11.737	11.778	VV	33816	424055	5.21%	0.436%	
194	11.784	11.778	11.801	VV	9712	105736	1.30%	0.109%	

							Instrument : FID_D		A	
							ClientSampleId : WB-301-TOP			
rteres									Manual IntegrationsAPPROVED	B
195	11.820	11.801	11.839	VV	11860	192288	2.36%	0.198%		C
196	11.850	11.839	11.862	VV	7197	87604				D
197	11.878	11.862	11.890	VV	14246	180696				E
198	11.901	11.890	11.921	VV	11470	162218			F	
199	11.935	11.921	11.948	VV	7489	99824			G	
200	11.961	11.948	11.974	VV	7826	100875			H	
201	12.005	11.974	12.019	VV	14454	265159	3.26%	0.273%	I	
202	12.030	12.019	12.050	VV	11665	170304	2.09%	0.175%	J	
203	12.072	12.050	12.112	VV	23490	466823	5.73%	0.480%		
204	12.150	12.112	12.157	VV	13828	274721	3.37%	0.282%		
205	12.180	12.157	12.199	VV	81097	1088186	13.37%	1.118%		
206	12.215	12.199	12.231	VV	34632	526364	6.47%	0.541%		
207	12.243	12.231	12.257	VV	26961	335347	4.12%	0.345%		
208	12.265	12.257	12.271	VV	18101	149287	1.83%	0.153%		
209	12.292	12.271	12.356	VV	144487	1947400	23.92%	2.001%		
210	12.362	12.356	12.371	VV	2681	20596	0.25%	0.021%		
211	12.392	12.371	12.406	VV	9043	128710	1.58%	0.132%		
212	12.428	12.406	12.448	VV	49838	618609	7.60%	0.636%		
213	12.460	12.448	12.470	VV	14799	175095	2.15%	0.180%		
214	12.479	12.470	12.499	VV	14821	184234	2.26%	0.189%		
215	12.533	12.499	12.558	VV	23164	455040	5.59%	0.468%		
216	12.585	12.558	12.607	VV	177710	2011550	24.71%	2.067%		
217	12.631	12.607	12.668	VV	188919	2197415	26.99%	2.258%		
218	12.704	12.668	12.743	VV	75579	1130908	13.89%	1.162%		
219	12.765	12.743	12.788	VV	9515	196346	2.41%	0.202%		
220	12.797	12.788	12.818	VV	5793	77934	0.96%	0.080%		
221	12.872	12.818	12.905	VV	12511	366337	4.50%	0.376%		
222	12.924	12.905	12.965	VV	19049	346321	4.25%	0.356%		
223	12.987	12.965	12.999	VV	14046	190497	2.34%	0.196%		
224	13.014	12.999	13.026	VV	13893	203786	2.50%	0.209%		
225	13.046	13.026	13.081	VV	28024	542178	6.66%	0.557%		
226	13.098	13.081	13.125	VV	12096	223456	2.75%	0.230%		
227	13.175	13.125	13.216	VV	68828	1374627	16.89%	1.413%		
228	13.227	13.216	13.231	VV	7595	65771	0.81%	0.068%		
229	13.250	13.231	13.262	VV	12272	179171	2.20%	0.184%		
230	13.283	13.262	13.303	VV	49941	674821	8.29%	0.694%		
231	13.319	13.303	13.342	VV	38354	493806	6.07%	0.508%		
232	13.353	13.342	13.369	VV	9812	138754	1.70%	0.143%		
233	13.401	13.369	13.425	VV	37771	626251	7.69%	0.644%		
234	13.447	13.425	13.468	VV	41880	595947	7.32%	0.612%		
235	13.486	13.468	13.511	VV	34071	473488	5.82%	0.487%		
236	13.530	13.511	13.570	VV	10571	249724	3.07%	0.257%		
237	13.576	13.570	13.597	VV	3788	52377	0.64%	0.054%		
238	13.634	13.597	13.640	VV	4088	86298	1.06%	0.089%		
239	13.655	13.640	13.673	VV	5465	91340	1.12%	0.094%		
240	13.684	13.673	13.703	VV	4978	76113	0.94%	0.078%		
241	13.719	13.703	13.732	VV	4078	62895	0.77%	0.065%		
242	13.758	13.732	13.772	VV	6215	115444	1.42%	0.119%		
243	13.790	13.772	13.825	VV	5827	151961	1.87%	0.156%		
244	13.844	13.825	13.848	VV	6852	76954	0.95%	0.079%		
245	13.872	13.848	13.897	VV	22106	468823	5.76%	0.482%		
246	13.905	13.897	13.939	VV	12284	207928	2.55%	0.214%		

rteres									
247	13.985	13.939	13.997	VV	16078	379328	4.66%	0.390%	
248	14.008	13.997	14.026	VV	17257	258806			
249	14.035	14.026	14.057	VV	11157	165636			
250	14.084	14.057	14.098	VV	19385	325399			
251	14.103	14.098	14.122	VV	15599	202859			
252	14.141	14.122	14.166	VV	33404	513084			
253	14.175	14.166	14.185	VV	9043	93559	1.15%	0.096%	
254	14.203	14.185	14.244	VV	9437	271734	3.34%	0.279%	
255	14.272	14.244	14.290	VV	12517	246882	3.03%	0.254%	
256	14.303	14.290	14.315	VV	8048	106877	1.31%	0.110%	
257	14.330	14.315	14.384	VV	8715	224923	2.76%	0.231%	
258	14.407	14.384	14.426	VV	18765	259401	3.19%	0.267%	
259	14.453	14.426	14.473	VV	75706	943478	11.59%	0.970%	
260	14.493	14.473	14.528	VV	82469	1067858	13.12%	1.097%	
261	14.547	14.528	14.582	VV	6563	164042	2.02%	0.169%	
262	14.613	14.582	14.628	VV	18396	297316	3.65%	0.306%	
263	14.642	14.628	14.650	VV	11981	152038	1.87%	0.156%	
264	14.657	14.650	14.677	VV	11428	148171	1.82%	0.152%	
265	14.686	14.677	14.732	VV	7250	185637	2.28%	0.191%	
266	14.767	14.732	14.791	VV	10506	253355	3.11%	0.260%	
267	14.812	14.791	14.827	VV	8175	142895	1.76%	0.147%	
268	14.837	14.827	14.853	VV	5639	79940	0.98%	0.082%	
269	14.928	14.853	14.992	VV	23076	764604	9.39%	0.786%	
270	15.019	14.992	15.024	VV	5043	85541	1.05%	0.088%	
271	15.042	15.024	15.062	VV	8896	147976	1.82%	0.152%	
272	15.083	15.062	15.102	VV	14686	229080	2.81%	0.235%	
273	15.125	15.102	15.145	VV	44529	571710	7.02%	0.588%	
274	15.161	15.145	15.188	VV	20196	325243	4.00%	0.334%	
275	15.204	15.188	15.220	VV	14077	203748	2.50%	0.209%	
276	15.229	15.220	15.238	VV	9250	92946	1.14%	0.096%	
277	15.261	15.238	15.270	VV	23648	326027	4.01%	0.335%	
278	15.284	15.270	15.327	VV	26258	535498	6.58%	0.550%	
279	15.373	15.327	15.394	VV	9321	271780	3.34%	0.279%	
280	15.400	15.394	15.428	VV	5492	89962	1.11%	0.092%	
281	15.451	15.428	15.475	VV	8895	160050	1.97%	0.164%	
282	15.494	15.475	15.513	VV	10691	165445	2.03%	0.170%	
283	15.527	15.513	15.549	VV	5958	110230	1.35%	0.113%	
284	15.556	15.549	15.584	VV	4746	82820	1.02%	0.085%	
285	15.594	15.584	15.600	VV	3054	26553	0.33%	0.027%	
286	15.623	15.600	15.645	VV	4920	98266	1.21%	0.101%	
287	15.657	15.645	15.672	VV	3373	45904	0.56%	0.047%	
288	15.688	15.672	15.698	VV	3370	44756	0.55%	0.046%	
289	15.724	15.698	15.745	VV	8005	155156	1.91%	0.159%	
290	15.761	15.745	15.783	VV	6641	107246	1.32%	0.110%	
291	15.825	15.783	15.854	VV	9844	275727	3.39%	0.283%	
292	15.888	15.854	15.901	VV	7706	181411	2.23%	0.186%	
293	15.925	15.901	15.958	VV	12258	265859	3.27%	0.273%	
294	16.001	15.958	16.021	VV	54044	832901	10.23%	0.856%	
295	16.030	16.021	16.073	VV	22757	337461	4.15%	0.347%	
296	16.132	16.073	16.157	VV	21639	421866	5.18%	0.434%	
297	16.172	16.157	16.221	VV	6154	147134	1.81%	0.151%	
298	16.255	16.221	16.266	VV	2846	58452	0.72%	0.060%	
299	16.318	16.266	16.349	VV	40282	602559	7.40%	0.619%	

Instrument :

FID_D

ClientSampleId :

WB-301-TOP

Manual IntegrationsAPPROVED

 Reviewed By :Yogesh Patel 10/16/2024
 Supervised By :Ankita Jodhani 10/16/2024

								Instrument : FID_D	
								ClientSampleId : WB-301-TOP	
300	16.376	16.349	16.425	VV	60514	817018	10.04%	0.840%	Manual IntegrationsAPPROVED
301	16.441	16.425	16.459	VV	3559	63483			
302	16.481	16.459	16.502	VV	12505	181190			
303	16.512	16.502	16.521	VV	4817	52755			
304	16.556	16.521	16.575	VV	7928	179016			
305	16.592	16.575	16.599	VV	4908	56739			Reviewed By :Yogesh Patel 10/16/2024 Supervised By :Ankita Jodhani 10/16/2024
306	16.633	16.599	16.669	VV	9658	282747	3.47%	0.291%	
307	16.685	16.669	16.705	VV	5298	84310	1.04%	0.087%	
308	16.744	16.705	16.801	VV	16845	519154	6.38%	0.534%	
309	16.810	16.801	16.828	VV	4220	58487	0.72%	0.060%	
310	16.840	16.828	16.852	VV	3958	46764	0.57%	0.048%	
311	16.878	16.852	16.888	VV	12032	179758	2.21%	0.185%	
312	16.899	16.888	16.936	VV	11584	184355	2.26%	0.189%	
313	16.964	16.936	16.983	VV	9118	154051	1.89%	0.158%	
314	16.993	16.983	17.007	VV	4957	56626	0.70%	0.058%	
315	17.030	17.007	17.060	VV	12925	223376	2.74%	0.230%	
316	17.076	17.060	17.117	VV	6290	118312	1.45%	0.122%	
317	17.150	17.117	17.180	VV	5074	99065	1.22%	0.102%	
318	17.190	17.180	17.200	PV	466	3865	0.05%	0.004%	
319	17.221	17.200	17.237	VV	2320	29374	0.36%	0.030%	
320	17.254	17.237	17.268	VV	1573	19085	0.23%	0.020%	
321	17.289	17.268	17.300	VV	1255	16277	0.20%	0.017%	
322	17.340	17.300	17.358	VV	4889	113804	1.40%	0.117%	
323	17.375	17.358	17.382	VV	4033	47128	0.58%	0.048%	
324	17.394	17.382	17.414	VV	4033	64766	0.80%	0.067%	
325	17.426	17.414	17.443	VV	2982	44043	0.54%	0.045%	
326	17.464	17.443	17.507	VV	5330	113302	1.39%	0.116%	
327	17.524	17.507	17.534	VV	3206	40753	0.50%	0.042%	
328	17.567	17.534	17.628	VV	10075	252441	3.10%	0.259%	
329	17.654	17.628	17.688	VV	8182	145217	1.78%	0.149%	
330	17.712	17.688	17.727	VV	29457	386704	4.75%	0.397%	
331	17.743	17.727	17.772	VV	37854	584575	7.18%	0.601%	
332	17.785	17.772	17.810	VV	8095	129574	1.59%	0.133%	
333	17.825	17.810	17.852	VV	4524	63825	0.78%	0.066%	
334	17.881	17.852	17.889	PV	10757	132558	1.63%	0.136%	
335	17.902	17.889	17.928	VV	13142	205306	2.52%	0.211%	
336	17.938	17.928	17.965	VV	3433	43906	0.54%	0.045%	
337	17.991	17.965	18.018	VV	26820	334953	4.11%	0.344%	
338	18.025	18.018	18.030	VV	878	5133	0.06%	0.005%	
339	18.049	18.030	18.061	VV	1272	18396	0.23%	0.019%	
340	18.078	18.061	18.099	VV	1475	20821	0.26%	0.021%	
341	18.128	18.099	18.151	PV	15062	206696	2.54%	0.212%	
342	18.160	18.151	18.179	VV	2701	30774	0.38%	0.032%	
Sum of corrected areas:						97301436			

Aromatic EPH 093024.M Wed Oct 16 01:50:29 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101424AL\
 Data File : FC067435.D
 Signal(s) : FID1A.ch
 Acq On : 14 Oct 2024 19:44
 Operator : YP/AJ
 Sample : P4397-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 WB-301-BOT

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :Ankita Jodhani 10/15/2024

Integration File: autoint1.e
 Quant Time: Oct 15 04:32:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 01 09:13:32 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...	12.940	4244377	37.497 ug/mlm
Spiked Amount	50.000	Recovery	= 74.99%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101424AL\
Data File : FC067435.D
Signal(s) : FID1A.ch
Acq On : 14 Oct 2024 19:44
Operator : YP/AJ
Sample : P4397-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

WB-301-BOT

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/15/2024

Supervised By :Ankita Jodhani 10/15/2024

Integration File: autoint1.e

Quant Time: Oct 15 04:32:20 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M

Quant Title : GC Extractables

QLast Update : Tue Oct 01 09:13:32 2024

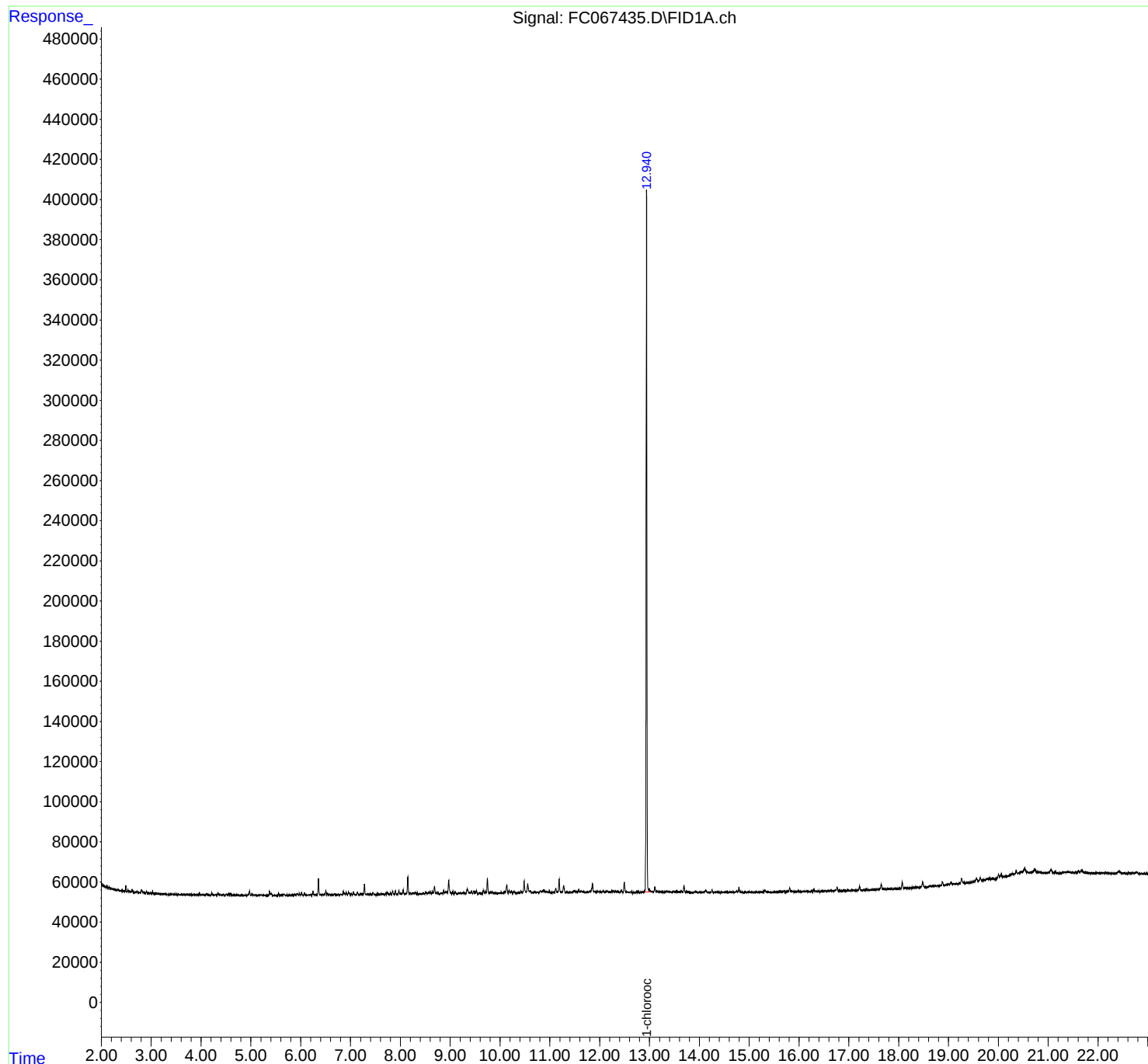
Response via : Initial Calibration

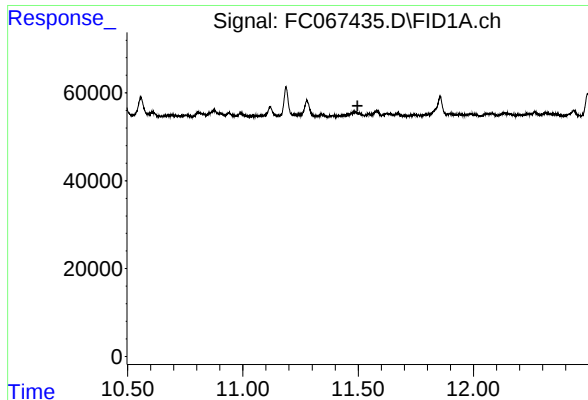
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





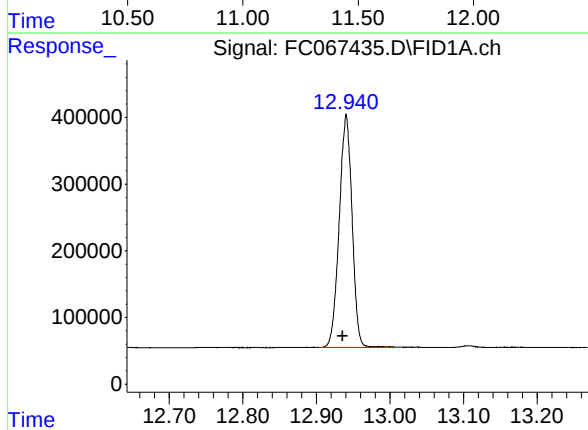
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.497 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
WB-301-BOT

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/15/2024
Supervised By :Ankita Jodhani 10/15/2024



#12 1-chlorooctadecane (SURR)

R.T.: 12.940 min
Delta R.T.: 0.004 min
Response: 4244377
Conc: 37.50 ug/ml m

Instrument :

FID_C

ClientSampleId :

WB-301-BOT

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10142

Data File : FC067435.D

Signal(s) : FID1A.ch

Acq On : 14 Oct 2024 19:44

Sample : P4397-02

Misc :

ALS Vial : 16 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/15/2024

Supervised By :Ankita Jodhani 10/15/2024

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	6.356	6.305	6.404	BB	8197	89934	2.12%	1.720%
2	7.280	7.235	7.307	BB	5236	55561	1.31%	1.062%
3	8.150	8.100	8.182	BV	8350	94290	2.22%	1.803%
4	8.685	8.655	8.717	VV	3622	47911	1.13%	0.916%
5	8.971	8.887	9.025	VB	6524	115769	2.73%	2.214%
6	9.748	9.722	9.794	VB	7440	86505	2.04%	1.654%
7	10.136	9.992	10.162	BV	3785	60008	1.42%	1.147%
8	10.485	10.444	10.520	BV	5721	74265	1.75%	1.420%
9	10.557	10.520	10.584	PV	4015	58281	1.37%	1.114%
10	11.187	11.157	11.225	BB	6485	77498	1.83%	1.482%
11	11.278	11.234	11.322	BB	3402	50338	1.19%	0.962%
12	11.855	11.750	11.915	BB	4169	72040	1.70%	1.377%
13	12.495	12.465	12.539	BB	4972	64451	1.52%	1.232%
14	12.940	12.700	13.022	BB	349278	4239895	100.00%	81.068%
15	13.691	13.664	13.727	PB	3300	43326	1.02%	0.828%

Sum of corrected areas: 5230072

Aliphatic EPH 100224.M Tue Oct 15 05:44:02 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AR\
 Data File : FD048510.D
 Signal(s) : FID2B.ch
 Acq On : 15 Oct 2024 04:22
 Operator : YP/AJ
 Sample : P4397-02
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 WB-301-BOT

Integration File: autoint1.e
 Quant Time: Oct 15 06:02:46 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 30 14:17:34 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...	7.374	6535426	39.473 ug/ml
Spiked Amount 50.000		Recovery =	78.95%
6) S 2-Fluorobiphenyl (SURR)	8.224	4406588	42.492 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	84.98%
11) S ortho-Terphenyl (SURR)	11.261	4470809	24.298 ug/ml
Spiked Amount 50.000		Recovery =	48.60%

Target Compounds

(f)=RT Delta > 1/2 Window

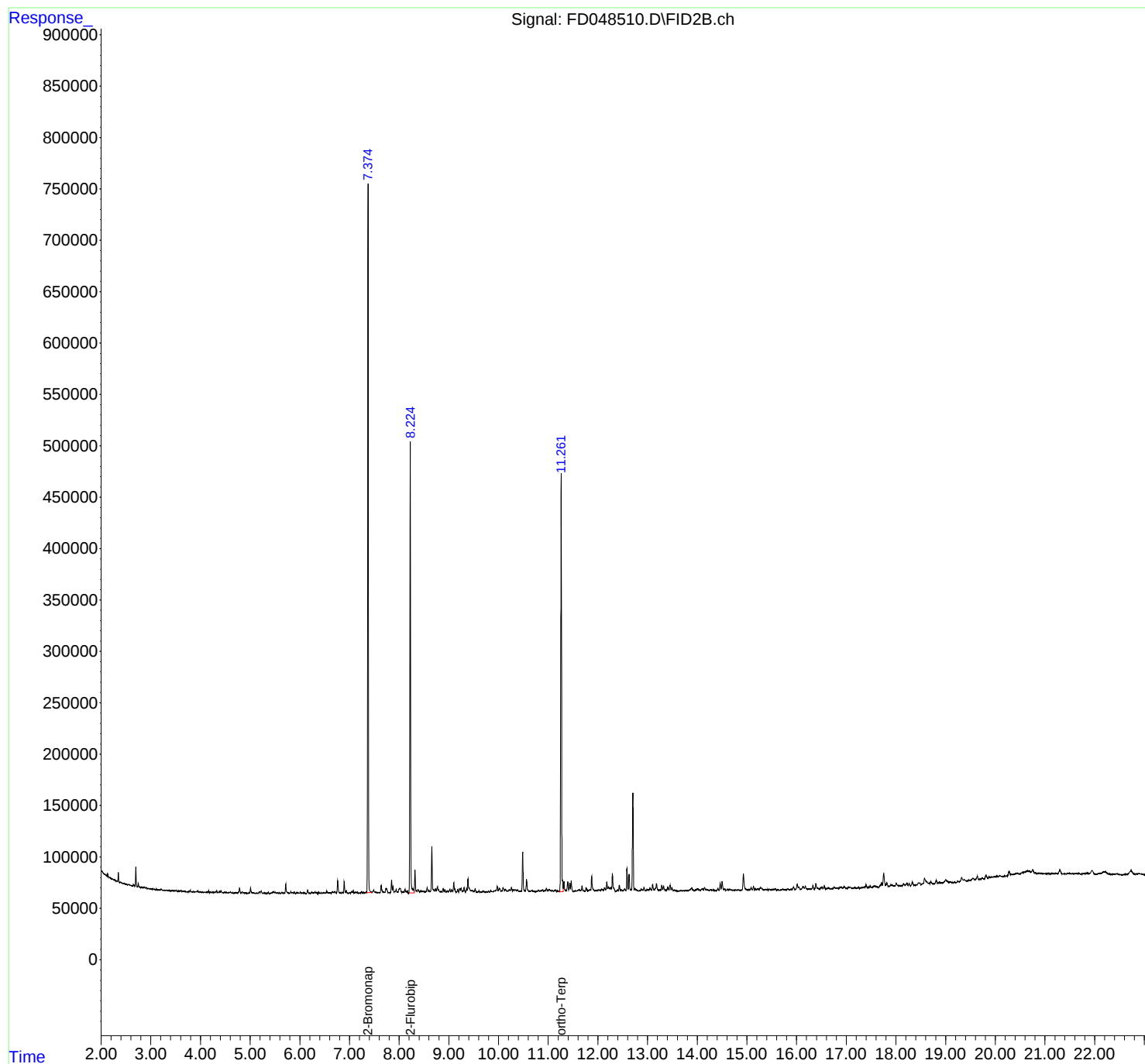
(m)=manual int.

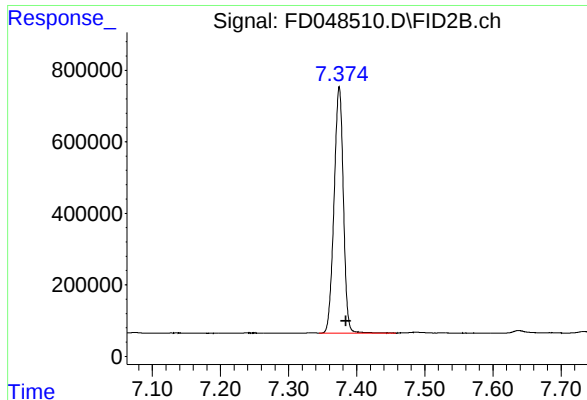
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AR\
Data File : FD048510.D
Signal(s) : FID2B.ch
Acq On : 15 Oct 2024 04:22
Operator : YP/AJ
Sample : P4397-02
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-301-BOT

Integration File: autoint1.e
Quant Time: Oct 15 06:02:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

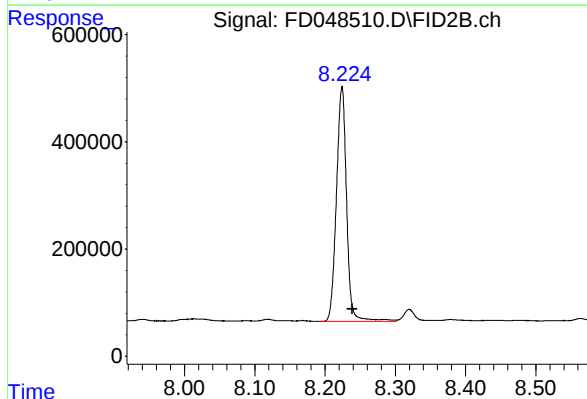




#4 2-Bromonaphthalene (SURR)

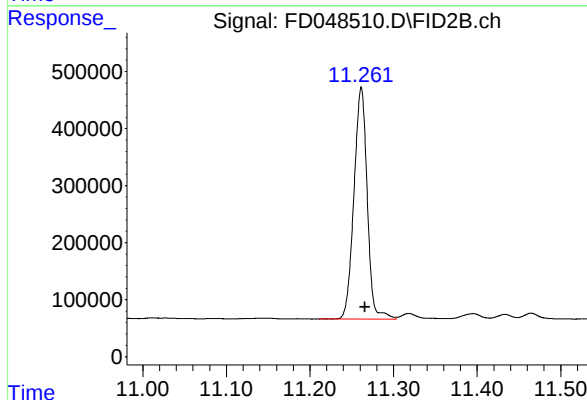
R.T.: 7.374 min
Delta R.T.: -0.010 min
Response: 6535426
Conc: 39.47 ug/ml

Instrument :
FID_D
ClientSampleId :
WB-301-BOT



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.224 min
Delta R.T.: -0.015 min
Response: 4406588
Conc: 42.49 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.261 min
Delta R.T.: -0.004 min
Response: 4470809
Conc: 24.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AR\
 Data File : FD048510.D
 Signal(s) : FID2B.ch
 Acq On : 15 Oct 2024 04:22
 Sample : P4397-02
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.787	4.651	4.819	BV	4958	70894	1.08%	0.307%
2	5.008	4.989	5.094	VB	5426	73511	1.12%	0.318%
3	5.717	5.696	5.794	PV	9026	115699	1.77%	0.500%
4	6.158	6.128	6.208	BV	3546	44122	0.68%	0.191%
5	6.763	6.734	6.801	PV	12095	145443	2.23%	0.629%
6	6.894	6.870	6.921	PV	10889	108426	1.66%	0.469%
7	7.374	7.345	7.458	VV	689277	6535426	100.00%	28.259%
8	7.638	7.614	7.673	BV	7334	98643	1.51%	0.427%
9	7.734	7.708	7.794	VV	4396	99692	1.53%	0.431%
10	7.848	7.794	7.865	VV	12634	143933	2.20%	0.622%
11	7.877	7.865	7.899	VV	6271	69703	1.07%	0.301%
12	8.014	7.978	8.072	VV	4554	139161	2.13%	0.602%
13	8.224	8.191	8.301	PV	438947	4406588	67.43%	19.054%
14	8.320	8.301	8.348	VV	22211	246402	3.77%	1.065%
15	8.564	8.507	8.584	VV	5008	89691	1.37%	0.388%
16	8.659	8.620	8.707	VV	44673	517430	7.92%	2.237%
17	8.772	8.746	8.824	VV	5905	127227	1.95%	0.550%
18	8.886	8.863	8.904	VV	3912	50088	0.77%	0.217%
19	9.101	9.079	9.151	VV	9570	136262	2.08%	0.589%
20	9.219	9.198	9.233	VV	3559	42642	0.65%	0.184%
21	9.307	9.271	9.332	VV	4111	56821	0.87%	0.246%
22	9.385	9.332	9.448	PB	11899	195484	2.99%	0.845%
23	9.975	9.891	9.998	BV	4928	103278	1.58%	0.447%
24	10.016	9.998	10.049	VV	3326	51868	0.79%	0.224%
25	10.092	10.049	10.131	PV	3546	62487	0.96%	0.270%
26	10.261	10.234	10.280	VV	3174	35373	0.54%	0.153%
27	10.488	10.446	10.540	PV	38419	421453	6.45%	1.822%
28	10.565	10.540	10.644	VV	11548	150451	2.30%	0.651%
29	11.261	11.211	11.303	BV	405274	4470809	68.41%	19.332%
30	11.318	11.303	11.363	VV	9717	136103	2.08%	0.589%
31	11.395	11.363	11.415	VV	9599	146264	2.24%	0.632%
32	11.433	11.415	11.448	VV	8159	99094	1.52%	0.428%
33	11.465	11.448	11.518	VV	10341	132303	2.02%	0.572%
34	11.681	11.648	11.741	VV	5362	89716	1.37%	0.388%
35	11.763	11.741	11.804	VV	3615	62303	0.95%	0.269%
36	11.876	11.804	11.948	VV	14615	264329	4.04%	1.143%

					rteres			
37	12.180	12.153	12.198	VV	9073	127614	1.95%	0.552%
38	12.292	12.273	12.374	VB	17294	262226	4.01%	1.134%
39	12.431	12.410	12.455	VV	5695	71483	1.09%	0.309%
40	12.585	12.559	12.607	PV	21500	240273	3.68%	1.039%
41	12.627	12.607	12.668	VV	15761	189237	2.90%	0.818%
42	12.703	12.668	12.731	VV	94338	1119544	17.13%	4.841%
43	12.927	12.906	12.959	VV	3661	50221	0.77%	0.217%
44	13.102	13.079	13.134	VV	6224	85145	1.30%	0.368%
45	13.179	13.134	13.231	VV	6594	134791	2.06%	0.583%
46	13.287	13.264	13.306	VV	4861	63009	0.96%	0.272%
47	13.323	13.306	13.371	VV	4071	56874	0.87%	0.246%
48	13.407	13.371	13.429	PV	3417	45519	0.70%	0.197%
49	13.451	13.429	13.473	VV	4439	53483	0.82%	0.231%
50	14.460	14.436	14.480	PV	6824	78750	1.20%	0.341%
51	14.499	14.480	14.534	VV	8204	111216	1.70%	0.481%
52	14.928	14.881	15.024	BV	15978	284952	4.36%	1.232%
53	15.131	15.107	15.153	VV	3467	40901	0.63%	0.177%
54	16.011	15.971	16.030	BV	4070	45470	0.70%	0.197%
55	16.327	16.221	16.358	VV	3859	55751	0.85%	0.241%
56	16.387	16.358	16.459	VV	5327	96884	1.48%	0.419%
57	17.752	17.701	17.791	BV	10997	174374	2.67%	0.754%
Sum of corrected areas:					23126831			

Aromatic EPH 093024.M Tue Oct 15 07:49:32 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101424AL\
 Data File : FC067430.D
 Signal(s) : FID1A.ch
 Acq On : 14 Oct 2024 16:38
 Operator : YP/AJ
 Sample : PB164109BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB164109BL

Integration File: autoint1.e
 Quant Time: Oct 15 04:31:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 01 09:13:32 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...	12.941	4378021	38.677 ug/ml
Spiked Amount	50.000	Recovery	= 77.35%

Target Compounds

(f)=RT Delta > 1/2 Window

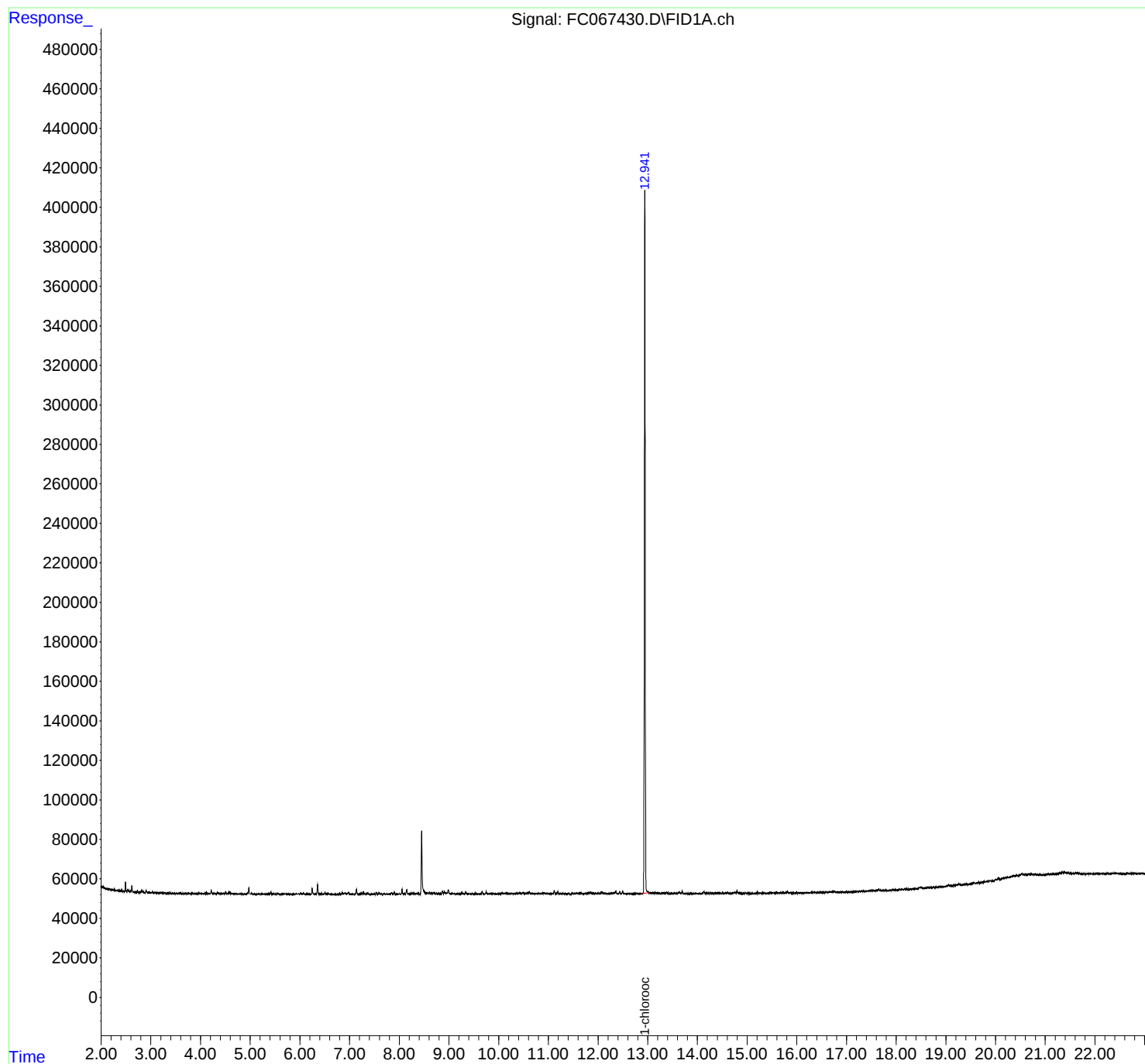
(m)=manual int.

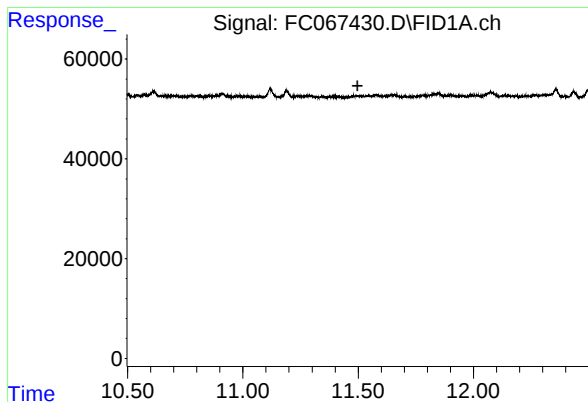
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101424AL\
Data File : FC067430.D
Signal(s) : FID1A.ch
Acq On : 14 Oct 2024 16:38
Operator : YP/AJ
Sample : PB164109BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164109BL

Integration File: autoint1.e
Quant Time: Oct 15 04:31:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

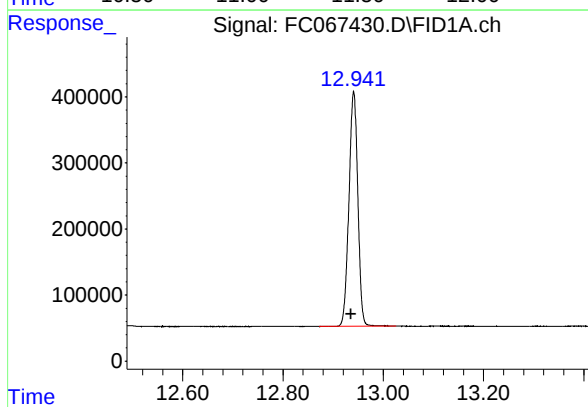




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.497 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB164109BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.941 min
Delta R.T.: 0.005 min
Response: 4378021
Conc: 38.68 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101424AL\
 Data File : FC067430.D
 Signal(s) : FID1A.ch
 Acq On : 14 Oct 2024 16:38
 Sample : PB164109BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	12.941	12.872	13.025	BB	355006	4378021	100.00%	100.000%
Sum of corrected areas:						4378021		

Aliphatic EPH 100224.M Tue Oct 15 05:42:06 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AR\
 Data File : FD048505.D
 Signal(s) : FID2B.ch
 Acq On : 15 Oct 2024 00:02
 Operator : YP/AJ
 Sample : PB164109BL
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB164109BL

Integration File: autoint1.e
 Quant Time: Oct 15 06:02:05 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 30 14:17:34 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...	7.379	8673557	52.387 ug/ml
Spiked Amount 50.000		Recovery =	104.77%
6) S 2-Fluorobiphenyl (SURR)	8.228	5252190	50.646 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	101.29%
11) S ortho-Terphenyl (SURR)	11.267	8651846	47.022 ug/ml
Spiked Amount 50.000		Recovery =	94.04%

Target Compounds

(f)=RT Delta > 1/2 Window

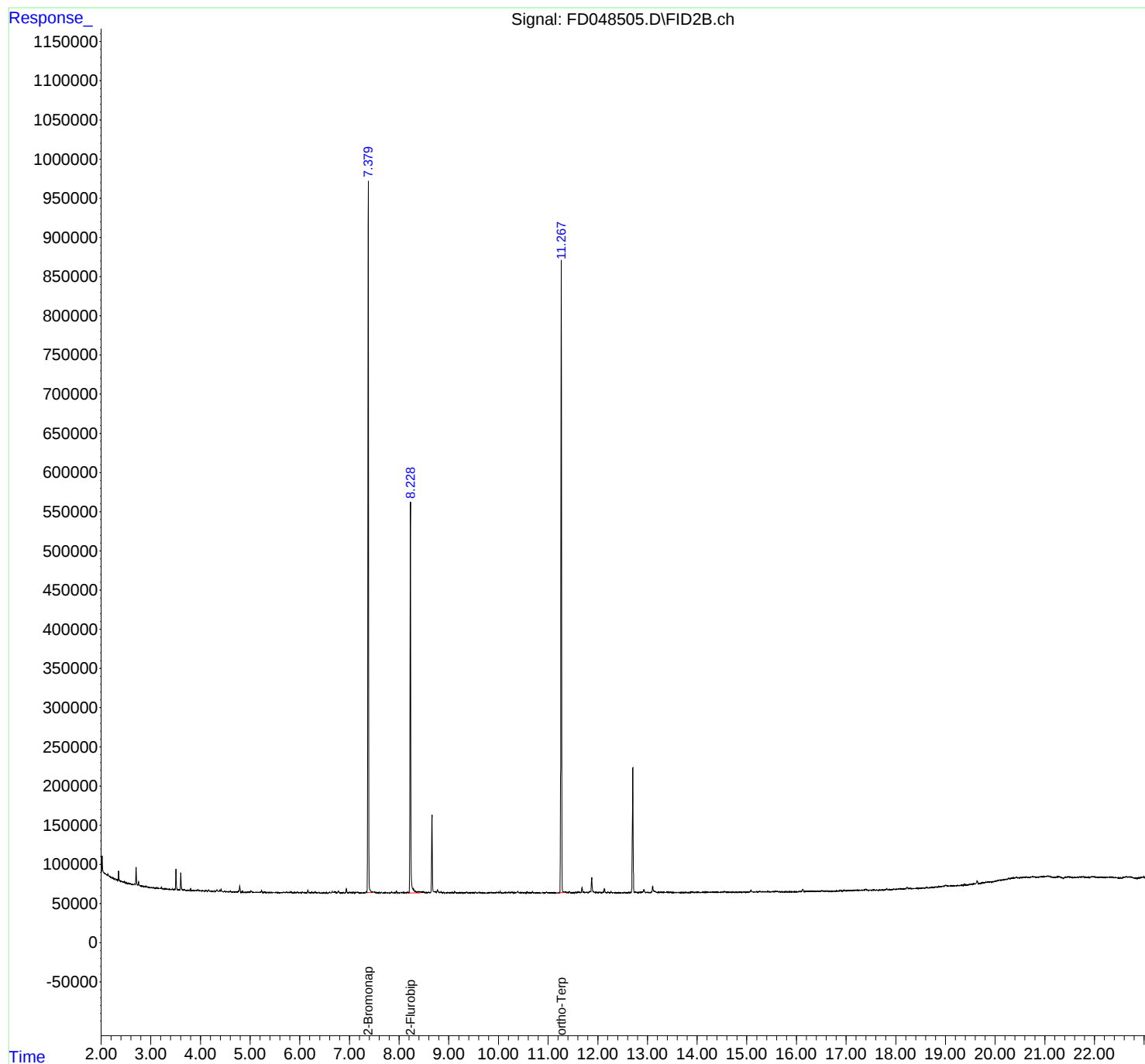
(m)=manual int.

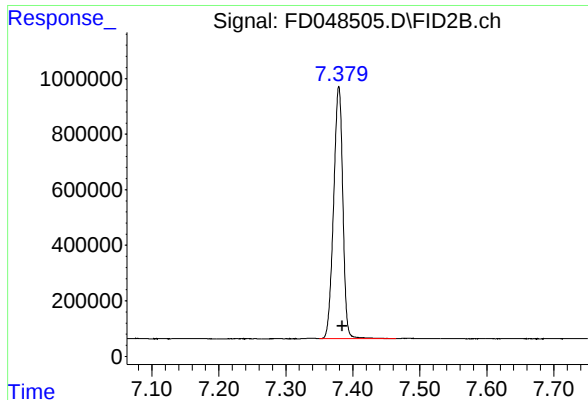
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AR\
Data File : FD048505.D
Signal(s) : FID2B.ch
Acq On : 15 Oct 2024 00:02
Operator : YP/AJ
Sample : PB164109BL
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164109BL

Integration File: autoint1.e
Quant Time: Oct 15 06:02:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

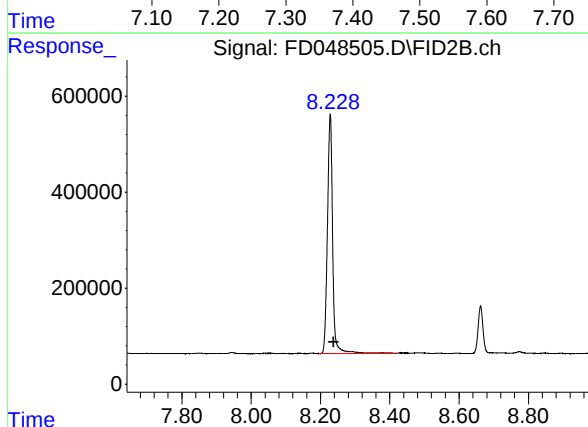




#4 2-Bromonaphthalene (SURR)

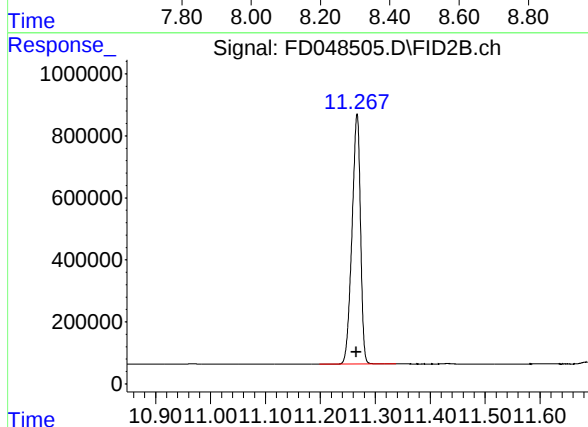
R.T.: 7.379 min
Delta R.T.: -0.005 min
Response: 8673557
Conc: 52.39 ug/ml

Instrument :
FID_D
ClientSampleId :
PB164109BL



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.228 min
Delta R.T.: -0.011 min
Response: 5252190
Conc: 50.65 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.267 min
Delta R.T.: 0.001 min
Response: 8651846
Conc: 47.02 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AR\
 Data File : FD048505.D
 Signal(s) : FID2B.ch
 Acq On : 15 Oct 2024 00:02
 Sample : PB164109BL
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	7.379	7.350	7.464	VV	900577	8673557	100.00%	38.417%
2	8.228	8.196	8.418	PV	497539	5252190	60.55%	23.263%
3	11.267	11.198	11.338	BV	816168	8651846	99.75%	38.320%
Sum of corrected areas:						22577594		

Aromatic EPH 093024.M Tue Oct 15 07:45:34 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F101424AL\
 Data File : FC067431.D
 Signal(s) : FID1A.ch
 Acq On : 14 Oct 2024 17:15
 Operator : YP/AJ
 Sample : PB164109BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB164109BS

Integration File: autoint1.e
 Quant Time: Oct 15 04:31:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
 Quant Title : GC Extractables
 Qlast Update : Tue Oct 01 09:13:32 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...	12.941	3920928	34.639 ug/ml
Spiked Amount 50.000		Recovery =	69.28%
Target Compounds			
1) T n-Nonane (C9)	3.276	2995742	23.633 ug/ml
2) T n-Decane (C10)	4.341	3775912	29.375 ug/ml
4) T n-Dodecane (C12)	6.358	4654298	35.868 ug/ml
6) T n-Tetradecane (C14)	8.151	5214980	40.490 ug/ml
7) T n-Hexadecane (C16)	9.751	5458391	41.004 ug/ml
8) T n-Octadecane (C18)	11.191	5588397	41.212 ug/ml
10) T n-Eicosane (C20)	12.499	5649826	43.271 ug/ml
11) T n-Heneicosane (C21)	13.111	5434311	42.371 ug/ml
13) T n-Docosane (C22)	13.696	5400564	42.295 ug/ml
14) T n-Tetracosane (C24)	14.798	5310949	41.527 ug/ml
15) T n-Hexacosane (C26)	15.817	5214931	41.360 ug/ml
16) T n-Octacosane (C28)	16.766	5138908	40.905 ug/ml
17) T n-Tricontane (C30)	17.653	5162295	40.072 ug/ml
18) T n-Dotriacontane (C32)	18.484	5134298	41.098 ug/ml
19) T n-Tetratriacontane (C34)	19.267	5131530	46.959 ug/ml
20) T n-Hexatriacontane (C36)	20.006	5078849	53.734 ug/ml
21) T n-Octatriacontane (C38)	20.732	5119291	58.373 ug/ml
22) T n-Tetracontane (C40)	21.623	5110938	59.396 ug/ml

(f)=RT Delta > 1/2 Window

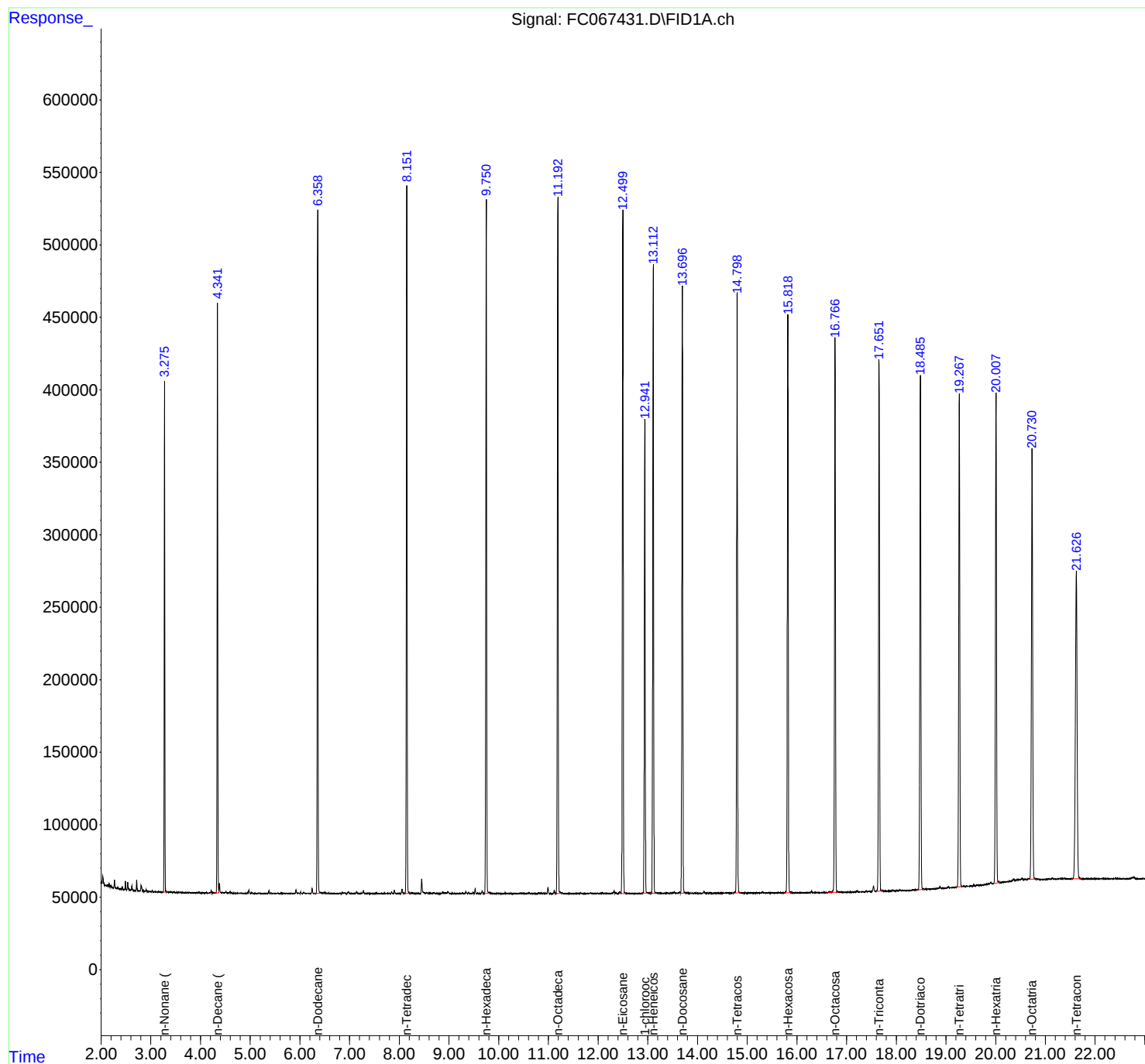
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101424AL\
Data File : FC067431.D
Signal(s) : FID1A.ch
Acq On : 14 Oct 2024 17:15
Operator : YP/AJ
Sample : PB164109BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164109BS

Integration File: autoint1.e
Quant Time: Oct 15 04:31:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 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\FC101424AL\
 Data File : FC067431.D
 Signal(s) : FID1A.ch
 Acq On : 14 Oct 2024 17:15
 Sample : PB164109BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.276	3.245	3.335	BB	352188	2995742	53.02%	3.170%
2	4.341	4.287	4.368	BV	408577	3775912	66.83%	3.996%
3	6.358	6.292	6.422	BB	473101	4654298	82.38%	4.925%
4	8.151	8.088	8.223	BB	489170	5214980	92.30%	5.519%
5	9.751	9.712	9.823	BB	475908	5458391	96.61%	5.776%
6	11.191	11.157	11.272	BB	472485	5588397	98.91%	5.914%
7	12.499	12.458	12.567	PB	467370	5649826	100.00%	5.979%
8	12.941	12.873	12.998	BB	328366	3920928	69.40%	4.149%
9	13.111	13.043	13.180	BB	430419	5434311	96.19%	5.751%
10	13.696	13.657	13.763	VB	418202	5400564	95.59%	5.715%
11	14.798	14.707	14.863	BB	407507	5310949	94.00%	5.620%
12	15.817	15.730	15.885	BB	394584	5214931	92.30%	5.519%
13	16.766	16.607	16.833	BB	381794	5138908	90.96%	5.438%
14	17.653	17.587	17.720	BB	363617	5162295	91.37%	5.463%
15	18.484	18.403	18.552	BB	353165	5134298	90.88%	5.433%
16	19.267	19.195	19.328	BB	338398	5131530	90.83%	5.430%
17	20.006	19.950	20.088	BB	336273	5078849	89.89%	5.375%
18	20.732	20.645	20.817	BB	293671	5119291	90.61%	5.418%
19	21.623	21.533	21.722	BB	212277	5110938	90.46%	5.409%
Sum of corrected areas:						94495338		

Aliphatic EPH 100224.M Tue Oct 15 05:42:29 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AR\
 Data File : FD048506.D
 Signal(s) : FID2B.ch
 Acq On : 15 Oct 2024 00:39
 Operator : YP/AJ
 Sample : PB164109BS
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB164109BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e

Quant Time: Oct 15 06:02:11 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 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...	7.378	7909909	47.774 ug/ml
Spiked Amount 50.000		Recovery =	95.55%
6) S 2-Fluorobiphenyl (SURR)	8.229	5220465	50.340 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	100.68%
11) S ortho-Terphenyl (SURR)	11.267	7694917	41.821 ug/ml
Spiked Amount 50.000		Recovery =	83.64%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.200	5853250	33.398 ug/ml
2) T Naphthalene (C11.7)	5.718	6798292	36.410 ug/ml
3) T 2-Methylnaphthalene (...)	6.765	6874022	36.373 ug/ml
5) T Acenaphthylene (C15.06)	8.032	7454668	38.858 ug/ml
7) T Acenaphthene (C15.5)	8.327	7843811	41.467 ug/ml
8) T Fluorene (C16.55)	9.106	7926725	43.873 ug/ml
9) T Phenanthrene (C19.36)	10.493	7941057	44.806 ug/ml
10) T Anthracene (C19.43)	10.570	8046601	45.221 ug/ml
12) T Fluoranthene (C21.85)	12.299	8028761	44.389 ug/mlm
13) T Pyrene (C20.8)	12.593	8305053	46.379 ug/ml
14) T Benzo[a]anthracene (C...	14.463	7373670	46.139 ug/ml
15) T Chrysene (C27.41)	14.505	7477263	40.087 ug/ml
16) T benzo[b]fluoranthene ...	16.010	7268974	43.647 ug/ml
17) T Bnezo[k]fluoranthene ...	16.045	7200782	42.420 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.386	6948811	42.515 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.754	7302059	55.512 ug/ml
20) T Dibenz[a,h]anthracene...	17.791	6962617	41.609 ug/ml
21) T Benzo[g,h,i]perylene ...	18.005	6672732	41.082 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AR\
Data File : FD048506.D
Signal(s) : FID2B.ch
Acq On : 15 Oct 2024 00:39
Operator : YP/AJ
Sample : PB164109BS
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB164109BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e

Quant Time: Oct 15 06:02:11 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

Qlast Update : Mon Sep 30 14:17:34 2024

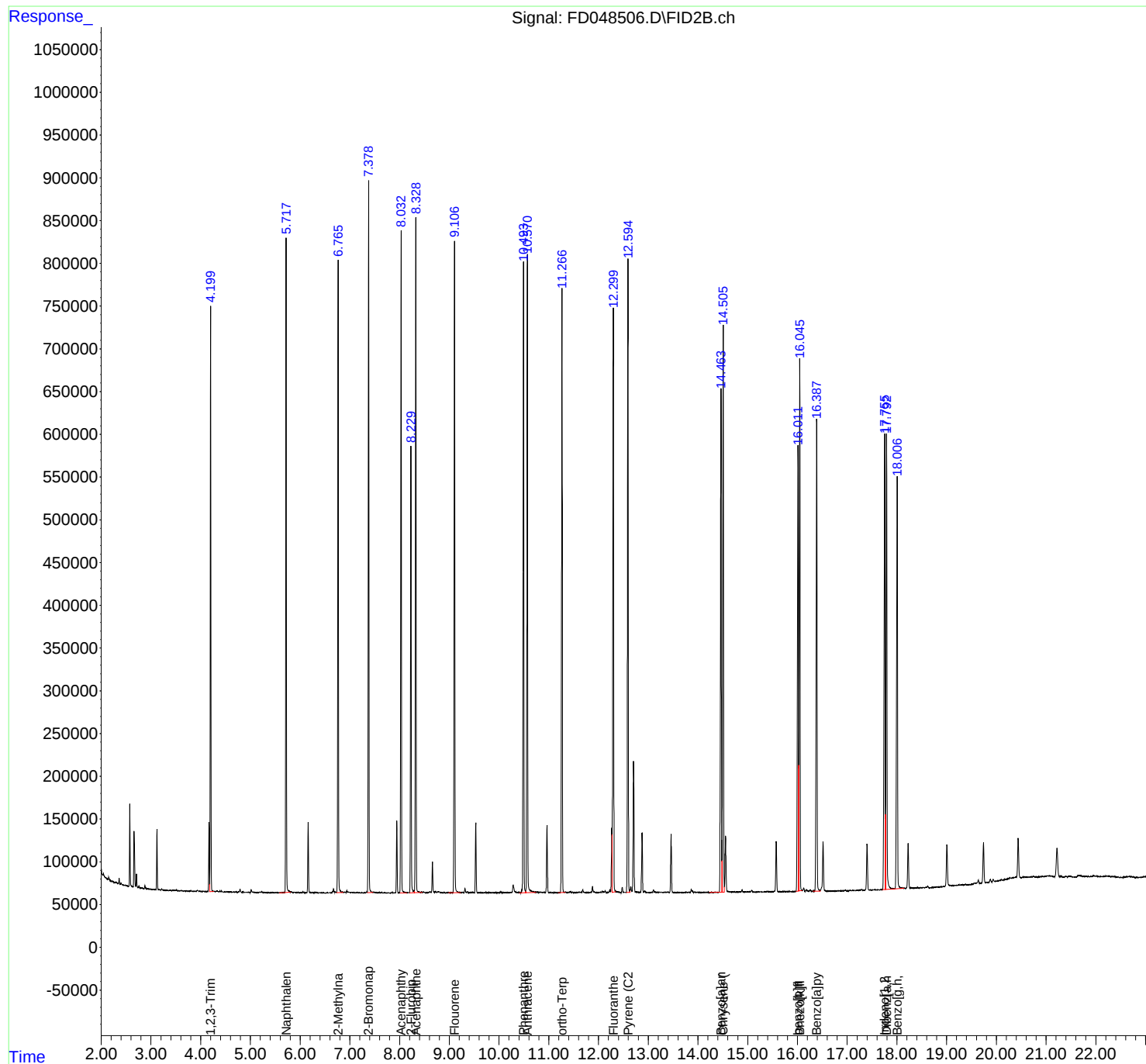
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



Instrument :

FID_D

ClientSampleId :

PB164109BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10142

Data File : FD048506.D

Signal(s) : FID2B.ch

Acq On : 15 Oct 2024 00:39

Sample : PB164109BS

Misc :

ALS Vial : 73 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.200	4.181	4.264	VV	677645	5853250	66.87%	3.805%
2	5.718	5.578	5.810	BV	764575	6798292	77.67%	4.419%
3	6.765	6.731	6.871	VV	736354	6874022	78.53%	4.469%
4	7.378	7.351	7.468	VV	826874	7909909	90.36%	5.142%
5	8.032	8.001	8.154	VV	765228	7454668	85.16%	4.846%
6	8.229	8.193	8.298	PV	516783	5220465	59.64%	3.394%
7	8.327	8.298	8.461	VV	791495	7843811	89.61%	5.099%
8	9.106	8.981	9.234	BB	751775	7926725	90.56%	5.153%
9	10.494	10.414	10.538	PV	747661	7941057	90.72%	5.162%
10	10.570	10.538	10.748	VV	751994	8046601	91.93%	5.231%
11	11.267	11.184	11.334	BB	709827	7694917	87.91%	5.002%
12	12.299	12.241	12.424	VV	679976	8753322	100.00%	5.690%
13	12.593	12.558	12.631	BV	747704	8305053	94.88%	5.399%
14	14.463	14.224	14.481	BV	578252	7373670	84.24%	4.793%
15	14.505	14.481	14.531	VV	651700	7477263	85.42%	4.861%
16	16.010	15.971	16.025	BV	524854	7268974	83.04%	4.725%
17	16.045	16.025	16.098	VV	620752	7200782	82.26%	4.681%
18	16.386	16.311	16.458	BV	563444	6948811	79.38%	4.517%
19	17.754	17.701	17.769	BV	535919	7302059	83.42%	4.747%
20	17.791	17.769	17.944	VV	529541	6962617	79.54%	4.526%
21	18.005	17.944	18.141	VB	476134	6672732	76.23%	4.338%
Sum of corrected areas:						153829001		

Aromatic EPH 093024.M Tue Oct 15 07:46:22 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F101424AL\
 Data File : FC067432.D
 Signal(s) : FID1A.ch
 Acq On : 14 Oct 2024 17:53
 Operator : YP/AJ
 Sample : PB164109BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB164109BSD

Integration File: autoint1.e
 Quant Time: Oct 15 04:31:53 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
 Quant Title : GC Extractables
 Qlast Update : Tue Oct 01 09:13:32 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...	12.941	4085608	36.094 ug/ml
Spiked Amount 50.000		Recovery =	72.19%
Target Compounds			
1) T n-Nonane (C9)	3.276	2973962	23.462 ug/ml
2) T n-Decane (C10)	4.342	3748394	29.161 ug/ml
4) T n-Dodecane (C12)	6.358	4609969	35.526 ug/ml
6) T n-Tetradecane (C14)	8.152	5155285	40.026 ug/ml
7) T n-Hexadecane (C16)	9.751	5382602	40.435 ug/ml
8) T n-Octadecane (C18)	11.191	5510263	40.636 ug/ml
10) T n-Eicosane (C20)	12.499	5569732	42.657 ug/ml
11) T n-Heneicosane (C21)	13.109	5358142	41.777 ug/ml
13) T n-Docosane (C22)	13.696	5327107	41.720 ug/ml
14) T n-Tetracosane (C24)	14.798	5244161	41.005 ug/ml
15) T n-Hexacosane (C26)	15.817	5162572	40.945 ug/ml
16) T n-Octacosane (C28)	16.765	5099233	40.590 ug/ml
17) T n-Tricontane (C30)	17.654	5141668	39.912 ug/ml
18) T n-Dotriacontane (C32)	18.485	5130885	41.071 ug/ml
19) T n-Tetratriacontane (C34)	19.267	5135466	46.995 ug/ml
20) T n-Hexatriacontane (C36)	20.006	5082810	53.776 ug/ml
21) T n-Octatriacontane (C38)	20.731	5123039	58.416 ug/ml
22) T n-Tetracontane (C40)	21.622	5117339	59.471 ug/ml

(f)=RT Delta > 1/2 Window

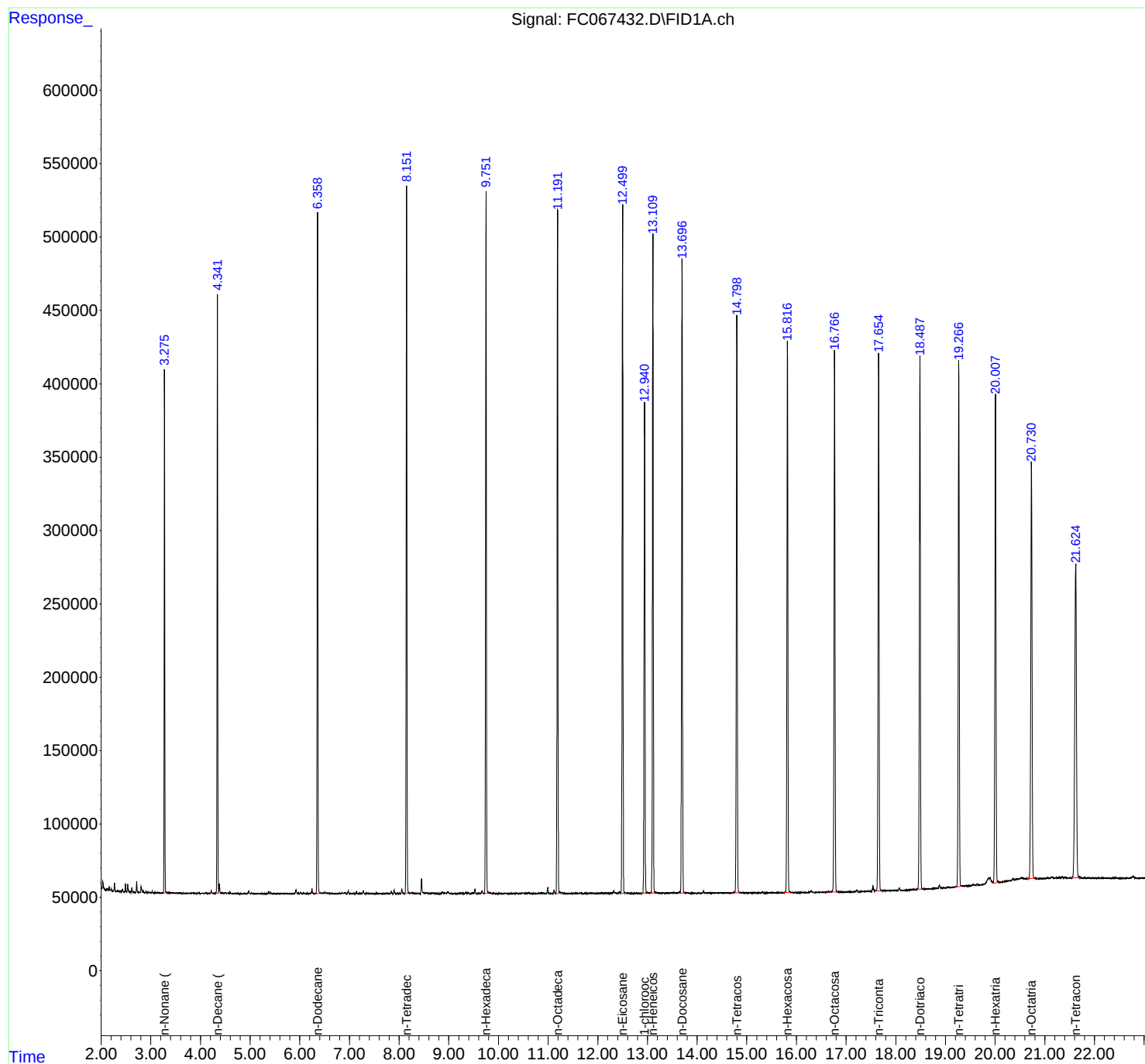
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101424AL\
Data File : FC067432.D
Signal(s) : FID1A.ch
Acq On : 14 Oct 2024 17:53
Operator : YP/AJ
Sample : PB164109BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164109BSD

Integration File: autoint1.e
Quant Time: Oct 15 04:31:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 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\FC101424AL\
 Data File : FC067432.D
 Signal(s) : FID1A.ch
 Acq On : 14 Oct 2024 17:53
 Sample : PB164109BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.276	3.245	3.323	BB	355237	2973962	53.40%	3.165%
2	4.342	4.283	4.368	BV	408644	3748394	67.30%	3.989%
3	6.358	6.292	6.425	BB	464815	4609969	82.77%	4.906%
4	8.152	8.090	8.220	BB	481941	5155285	92.56%	5.487%
5	9.751	9.713	9.808	BB	479041	5382602	96.64%	5.729%
6	11.191	11.153	11.272	BB	465057	5510263	98.93%	5.865%
7	12.499	12.455	12.557	PB	465056	5569732	100.00%	5.928%
8	12.941	12.877	13.005	BB	334134	4085608	73.35%	4.348%
9	13.109	13.045	13.182	BB	440711	5358142	96.20%	5.703%
10	13.696	13.657	13.767	VB	430753	5327107	95.64%	5.670%
11	14.798	14.705	14.865	BB	392183	5244161	94.15%	5.581%
12	15.817	15.732	15.885	BB	374108	5162572	92.69%	5.495%
13	16.765	16.597	16.833	BB	365811	5099233	91.55%	5.427%
14	17.654	17.587	17.722	BB	364284	5141668	92.31%	5.472%
15	18.485	18.415	18.560	BB	359124	5130885	92.12%	5.461%
16	19.267	19.215	19.332	BB	355346	5135466	92.20%	5.466%
17	20.007	19.955	20.083	VB	331249	5082810	91.26%	5.410%
18	20.731	20.645	20.812	BB	278500	5123039	91.98%	5.452%
19	21.622	21.528	21.732	BB	213024	5117339	91.88%	5.446%
Sum of corrected areas:						93958235		

Aliphatic EPH 100224.M Tue Oct 15 05:42:58 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AR\
 Data File : FD048507.D
 Signal(s) : FID2B.ch
 Acq On : 15 Oct 2024 01:17
 Operator : YP/AJ
 Sample : PB164109BSD
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB164109BSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e

Quant Time: Oct 15 06:02:20 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 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...	7.378	7923978	47.859 ug/ml
Spiked Amount 50.000		Recovery =	95.72%
6) S 2-Fluorobiphenyl (SURR)	8.229	5224281	50.377 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	100.75%
11) S ortho-Terphenyl (SURR)	11.266	7750803	42.125 ug/ml
Spiked Amount 50.000		Recovery =	84.25%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.199	5878933	33.545 ug/ml
2) T Naphthalene (C11.7)	5.717	6807369	36.459 ug/ml
3) T 2-Methylnaphthalene (...)	6.765	6878593	36.397 ug/ml
5) T Acenaphthylene (C15.06)	8.031	7444078	38.803 ug/ml
7) T Acenaphthene (C15.5)	8.327	7839300	41.444 ug/ml
8) T Fluorene (C16.55)	9.106	7969822	44.112 ug/ml
9) T Phenanthrene (C19.36)	10.494	7976313	45.005 ug/ml
10) T Anthracene (C19.43)	10.570	8076141	45.387 ug/ml
12) T Fluoranthene (C21.85)	12.299	8013647	44.305 ug/mlm
13) T Pyrene (C20.8)	12.593	8351742	46.640 ug/ml
14) T Benzo[a]anthracene (C...	14.462	7437285	46.537 ug/ml
15) T Chrysene (C27.41)	14.506	7529202	40.365 ug/ml
16) T benzo[b]fluoranthene ...	16.010	7292285	43.787 ug/ml
17) T Bnezo[k]fluoranthene ...	16.045	7290415	42.948 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.387	7001803	42.839 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.754	7356701	55.928 ug/ml
20) T Dibenz[a,h]anthracene...	17.792	7025640	41.986 ug/ml
21) T Benzo[g,h,i]perylene ...	18.005	6694344	41.215 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AR\
Data File : FD048507.D
Signal(s) : FID2B.ch
Acq On : 15 Oct 2024 01:17
Operator : YP/AJ
Sample : PB164109BSD
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB164109BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e

Quant Time: Oct 15 06:02:20 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 2024

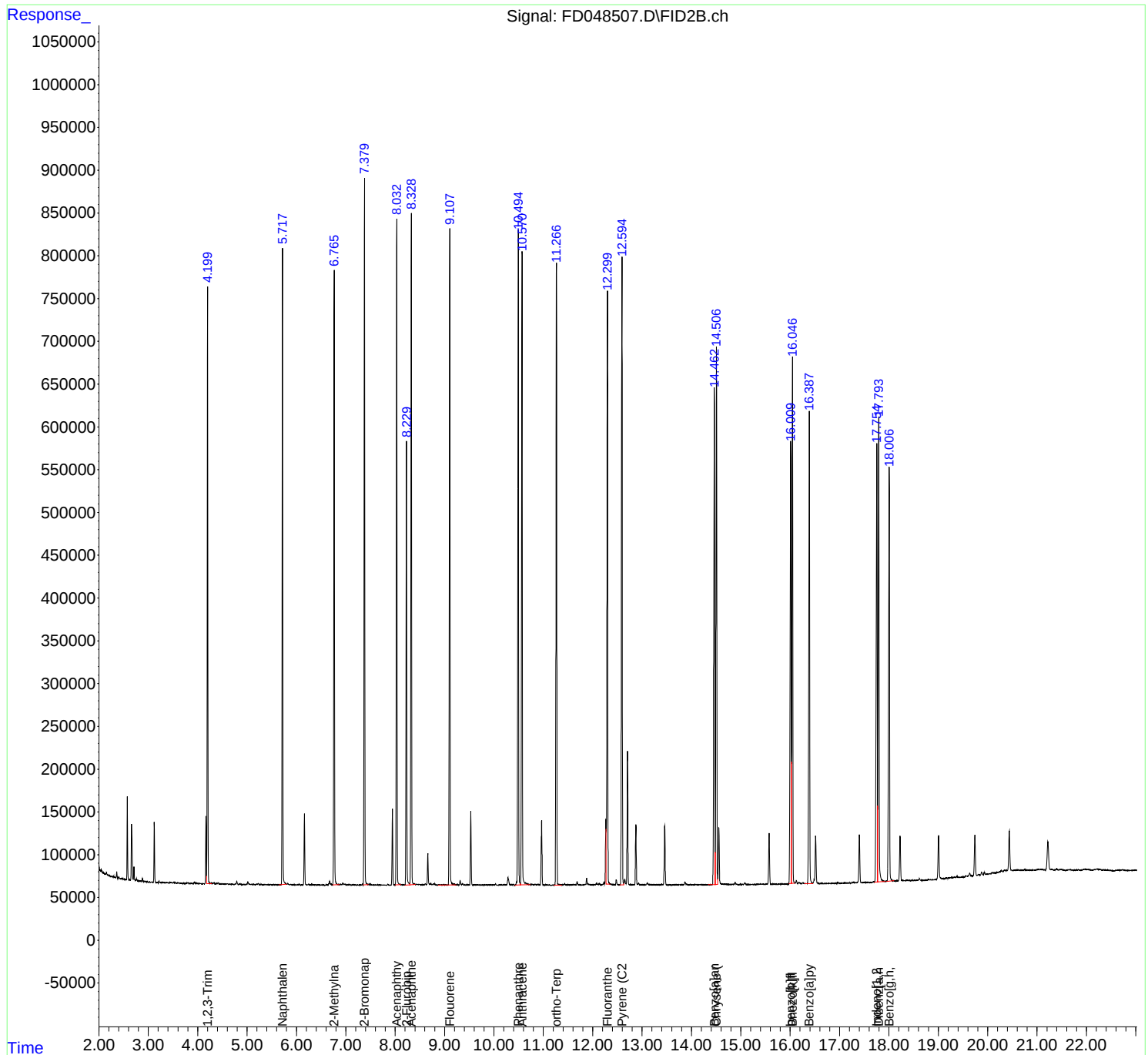
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rteres

Instrument :

FID_D

ClientSampleId :

PB164109BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :Ankita Jodhani 10/16/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10142

Data File : FD048507.D

Signal(s) : FID2B.ch

Acq On : 15 Oct 2024 01:17

Sample : PB164109BSD

Misc :

ALS Vial : 74 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.199	4.181	4.291	VB	687569	5878933	66.93%	3.804%
2	5.717	5.645	5.808	BV	744785	6807369	77.50%	4.405%
3	6.765	6.730	6.875	PV	717233	6878593	78.31%	4.451%
4	7.378	7.351	7.461	PV	821536	7923978	90.21%	5.128%
5	8.031	8.001	8.115	PV	774931	7444078	84.75%	4.817%
6	8.229	8.195	8.298	BV	517262	5224281	59.48%	3.381%
7	8.327	8.298	8.415	VV	789396	7839300	89.25%	5.073%
8	9.106	8.868	9.238	BB	785487	7969822	90.73%	5.157%
9	10.494	10.419	10.535	PV	772275	7976313	90.81%	5.162%
10	10.570	10.535	10.741	VB	751885	8076141	91.94%	5.226%
11	11.266	11.211	11.371	BV	725723	7750803	88.24%	5.016%
12	12.299	12.241	12.441	VB	683994	8783767	100.00%	5.684%
13	12.593	12.545	12.630	PV	747558	8351742	95.08%	5.405%
14	14.462	14.338	14.481	BV	575662	7437285	84.67%	4.813%
15	14.506	14.481	14.531	VV	626361	7529202	85.72%	4.872%
16	16.010	15.971	16.025	BV	515734	7292285	83.02%	4.719%
17	16.045	16.025	16.100	VV	612637	7290415	83.00%	4.718%
18	16.387	16.295	16.455	BV	560933	7001803	79.71%	4.531%
19	17.754	17.701	17.769	BV	514612	7356701	83.75%	4.761%
20	17.792	17.769	17.928	VB	538765	7025640	79.98%	4.546%
21	18.005	17.951	18.101	BB	477788	6694344	76.21%	4.332%
Sum of corrected areas:						154532796		

Aromatic EPH 093024.M Tue Oct 15 07:47:07 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F101424AL\
 Data File : FC067437.D
 Signal(s) : FID1A.ch
 Acq On : 14 Oct 2024 20:58
 Operator : YP/AJ
 Sample : P4397-02MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

WB-301-BOTMS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/15/2024

Supervised By :Ankita Jodhani 10/15/2024

Integration File: autoint1.e

Quant Time: Oct 15 04:32:38 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M

Quant Title : GC Extractables

Qlast Update : Tue Oct 01 09:13:32 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...	12.940	3732729	32.976 ug/mlm
Spiked Amount 50.000		Recovery =	65.95%
Target Compounds			
1) T n-Nonane (C9)	3.276	3314148	26.145 ug/ml
2) T n-Decane (C10)	4.341	4101308	31.906 ug/ml
4) T n-Dodecane (C12)	6.358	4791271	36.924 ug/ml
6) T n-Tetradecane (C14)	8.151	5327662	41.365 ug/ml
7) T n-Hexadecane (C16)	9.750	5553837	41.721 ug/ml
8) T n-Octadecane (C18)	11.190	5678086	41.873 ug/ml
10) T n-Eicosane (C20)	12.498	5687603	43.560 ug/ml
11) T n-Heneicosane (C21)	13.110	5433216	42.362 ug/ml
13) T n-Docosane (C22)	13.695	5402653	42.312 ug/ml
14) T n-Tetracosane (C24)	14.797	5290906	41.370 ug/ml
15) T n-Hexacosane (C26)	15.816	5214633	41.358 ug/ml
16) T n-Octacosane (C28)	16.764	5137842	40.897 ug/ml
17) T n-Tricontane (C30)	17.652	5174619	40.168 ug/ml
18) T n-Dotriacontane (C32)	18.483	5155375	41.267 ug/ml
19) T n-Tetratriacontane (C34)	19.266	5174893	47.356 ug/ml
20) T n-Hexatriacontane (C36)	20.005	5137568	54.356 ug/ml
21) T n-Octatriacontane (C38)	20.731	5203317	59.331 ug/ml
22) T n-Tetracontane (C40)	21.619	5212805	60.580 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101424AL\
Data File : FC067437.D
Signal(s) : FID1A.ch
Acq On : 14 Oct 2024 20:58
Operator : YP/AJ
Sample : P4397-02MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

WB-301-BOTMS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/15/2024

Supervised By :Ankita Jodhani 10/15/2024

Integration File: autoint1.e

Quant Time: Oct 15 04:32:38 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M

Quant Title : GC Extractables

Qlast Update : Tue Oct 01 09:13:32 2024

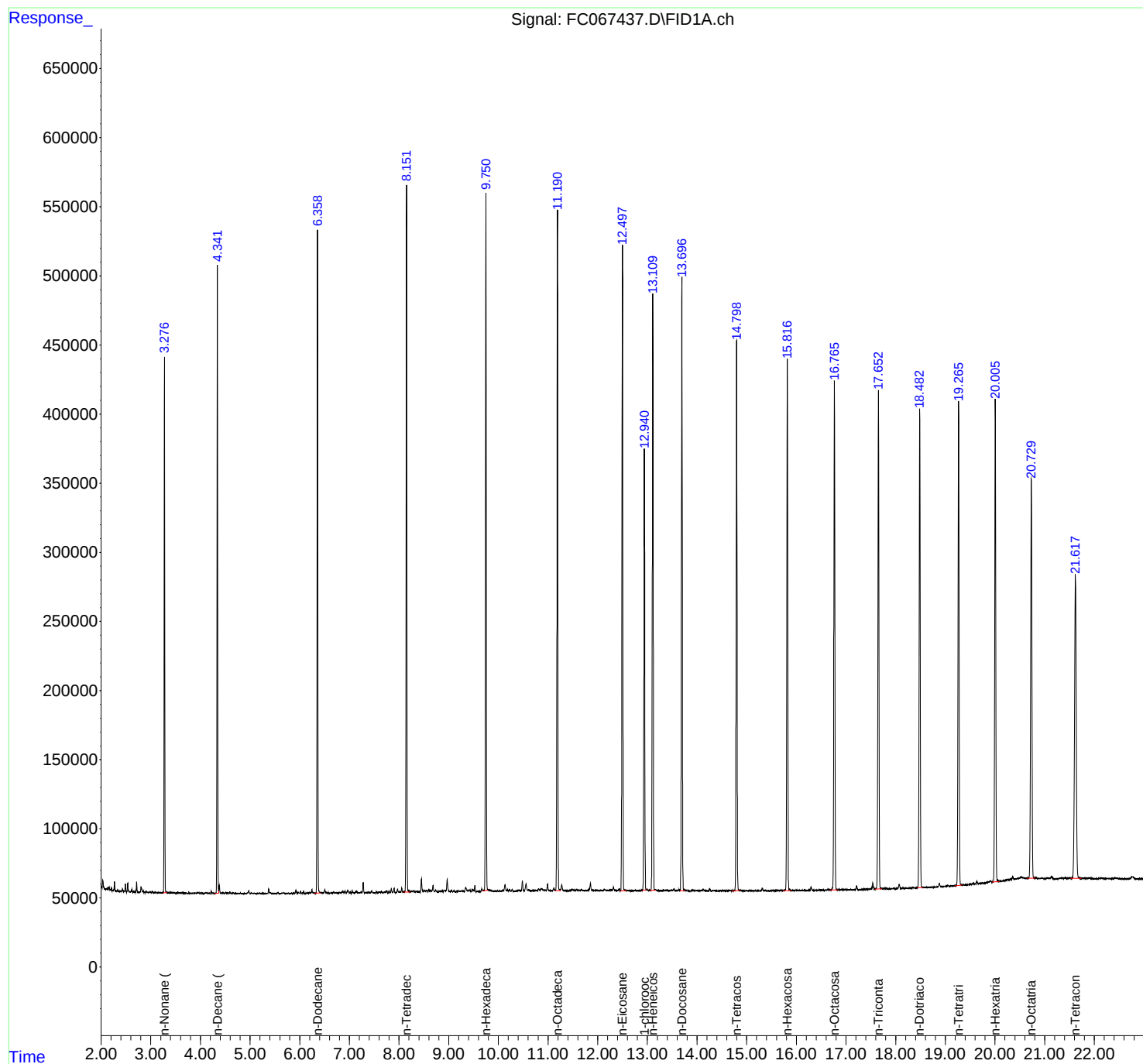
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID_C

ClientSampleId :

WB-301-BOTMS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10142

Data File : FC067437.D

Signal(s) : FID1A.ch

Acq On : 14 Oct 2024 20:58

Sample : P4397-02MS

Misc :

ALS Vial : 18 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/15/2024

Supervised By :Ankita Jodhani 10/15/2024

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.276	3.245	3.327	BB	387902	3314148	58.27%	3.424%
2	4.341	4.283	4.368	BV	453665	4101308	72.11%	4.238%
3	4.381	4.368	4.427	VB	5747	58456	1.03%	0.060%
4	5.375	5.322	5.432	BB	3483	47922	0.84%	0.050%
5	6.358	6.293	6.427	BB	481006	4791271	84.24%	4.951%
6	7.279	7.222	7.303	BB	7583	80814	1.42%	0.084%
7	7.901	7.870	7.922	VV	3416	39129	0.69%	0.040%
8	8.151	8.087	8.220	BV	513393	5327662	93.67%	5.505%
9	8.451	8.412	8.487	BV	9329	105268	1.85%	0.109%
10	8.685	8.652	8.713	VV	4620	60841	1.07%	0.063%
11	8.970	8.882	9.020	VB	8862	140783	2.48%	0.145%
12	9.527	9.507	9.555	BB	3972	40538	0.71%	0.042%
13	9.750	9.690	9.800	VB	504338	5553837	97.65%	5.738%
14	10.134	9.975	10.162	BV	4552	68912	1.21%	0.071%
15	10.485	10.442	10.525	BV	7301	89583	1.58%	0.093%
16	10.557	10.525	10.587	PB	4822	72339	1.27%	0.075%
17	10.991	10.970	11.025	BV	4752	55397	0.97%	0.057%
18	11.190	11.153	11.248	BV	492499	5678086	99.83%	5.867%
19	11.277	11.248	11.313	VB	4174	65466	1.15%	0.068%
20	11.855	11.695	11.883	BB	5260	83265	1.46%	0.086%
21	12.498	12.458	12.578	PB	463966	5687603	100.00%	5.877%
22	12.940	12.710	12.980	BV	319031	3729606	65.57%	3.854%
23	13.110	13.048	13.170	BB	428254	5433216	95.53%	5.614%
24	13.695	13.656	13.760	PB	442474	5402653	94.99%	5.582%
25	14.797	14.700	14.867	BB	399023	5290906	93.03%	5.467%
26	15.816	15.735	15.902	BB	384860	5214633	91.68%	5.388%
27	16.764	16.677	16.842	BB	368962	5137842	90.33%	5.309%
28	17.539	17.482	17.577	BB	3784	52729	0.93%	0.054%
29	17.652	17.585	17.722	BB	360551	5174619	90.98%	5.347%
30	18.483	18.430	18.558	BB	346263	5155375	90.64%	5.327%
31	19.266	19.188	19.333	BB	347427	5174893	90.99%	5.347%
32	20.005	19.943	20.090	BB	347104	5137568	90.33%	5.308%
33	20.731	20.650	20.812	BB	287576	5203317	91.49%	5.376%
34	21.619	21.518	21.733	BB	217831	5212805	91.65%	5.386%

Sum of corrected areas: 96782787

Aliphatic EPH 100224.M Tue Oct 15 05:44:22 2024 rteres

Instrument :
FID_C
ClientSampleId :
WB-301-BOTMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/15/2024
Supervised By :Ankita Jodhani 10/15/2024

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AR\
 Data File : FD048512.D
 Signal(s) : FID2B.ch
 Acq On : 15 Oct 2024 05:35
 Operator : YP/AJ
 Sample : P4397-02MS
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

WB-301-BOTMS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e

Quant Time: Oct 15 07:37:28 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 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...	7.378	7777959	46.977 ug/ml
Spiked Amount 50.000		Recovery =	93.95%
6) S 2-Fluorobiphenyl (SURR)	8.228	5123618	49.406 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	98.81%
11) S ortho-Terphenyl (SURR)	11.264	5525403	30.030 ug/ml
Spiked Amount 50.000		Recovery =	60.06%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.199	5595167	31.926 ug/ml
2) T Naphthalene (C11.7)	5.717	6446889	34.528 ug/ml
3) T 2-Methylnaphthalene (...)	6.764	6418715	33.963 ug/ml
5) T Acenaphthylene (C15.06)	8.030	6877882	35.852 ug/ml
7) T Acenaphthene (C15.5)	8.326	7352530	38.870 ug/ml
8) T Flouorene (C16.55)	9.104	7303607	40.424 ug/ml
9) T Phenanthrene (C19.36)	10.493	7715115	43.532 ug/ml
10) T Anthracene (C19.43)	10.568	7384351	41.499 ug/ml
12) T Fluoranthene (C21.85)	12.298	7458759	41.237 ug/mlm
13) T Pyrene (C20.8)	12.592	7738696	43.216 ug/ml
14) T Benzo[a]anthracene (C...	14.461	6732081	42.124 ug/ml
15) T Chrysene (C27.41)	14.504	6808999	36.504 ug/ml
16) T benzo[b]fluoranthene ...	16.009	6592635	39.586 ug/ml
17) T Bnezo[k]fluoranthene ...	16.043	6500637	38.296 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.385	6346760	38.832 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.753	6928126	52.669 ug/ml
20) T Dibenz[a,h]anthracene...	17.790	6315167	37.740 ug/ml
21) T Benzo[g,h,i]perylene ...	18.003	6100579	37.559 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AR\
Data File : FD048512.D
Signal(s) : FID2B.ch
Acq On : 15 Oct 2024 05:35
Operator : YP/AJ
Sample : P4397-02MS
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

WB-301-BOTMS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e

Quant Time: Oct 15 07:37:28 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

Qlast Update : Mon Sep 30 14:17:34 2024

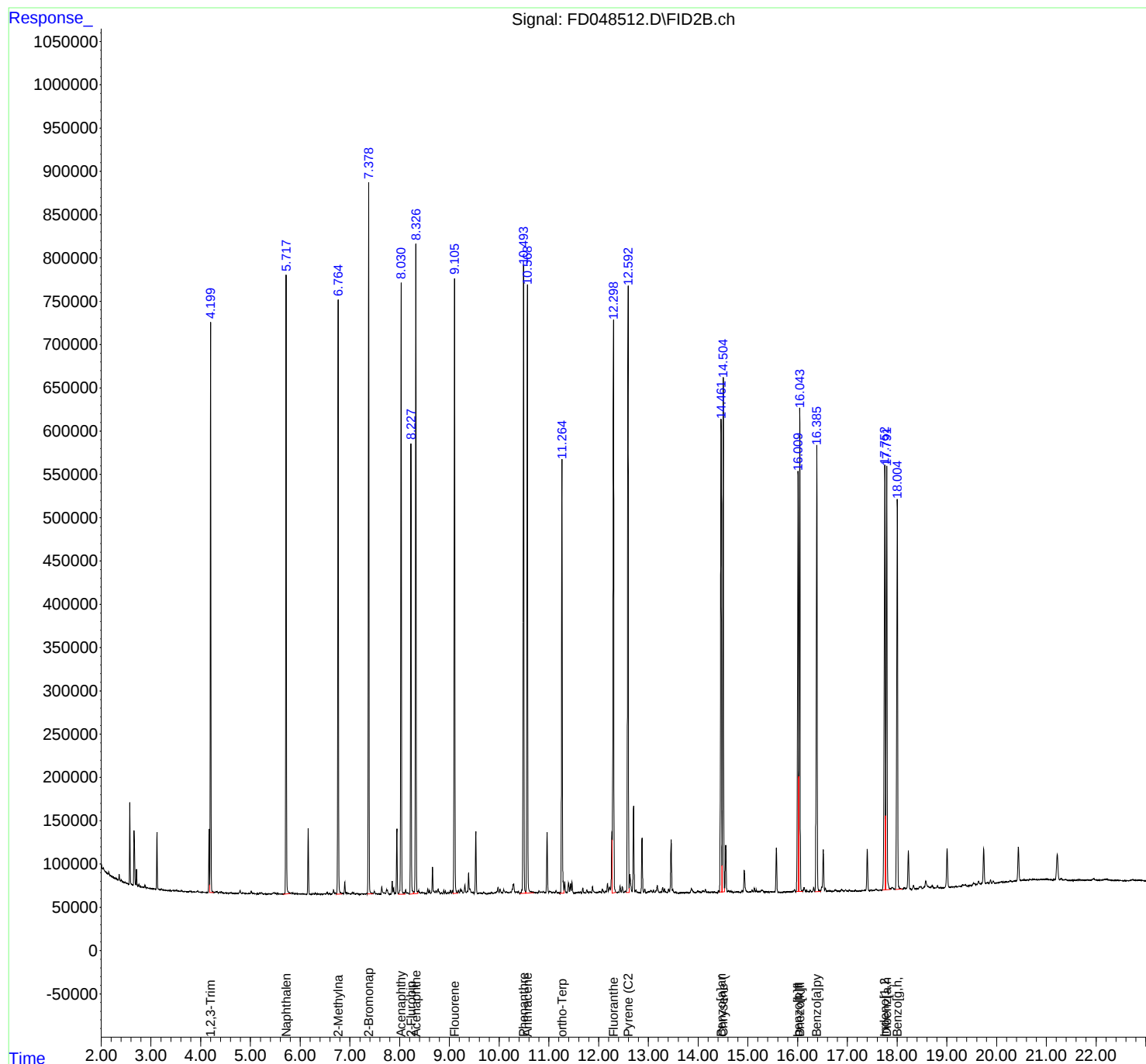
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



Instrument :

FID_D

ClientSampleId :

WB-301-BOTMS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10142

Data File : FD048512.D

Signal(s) : FID2B.ch

Acq On : 15 Oct 2024 05:35

Sample : P4397-02MS

Misc :

ALS Vial : 79 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.168	4.144	4.180	BV	73203	626487	7.70%	0.401%
2	4.199	4.180	4.264	VV	650883	5595167	68.74%	3.579%
3	4.792	4.731	4.825	BV	3788	52076	0.64%	0.033%
4	5.717	5.661	5.800	PV	715774	6446889	79.21%	4.124%
5	6.162	6.118	6.208	BV	75630	719290	8.84%	0.460%
6	6.672	6.624	6.692	BV	4971	67726	0.83%	0.043%
7	6.764	6.730	6.841	VV	686816	6418715	78.86%	4.106%
8	6.897	6.874	6.924	PV	13283	135932	1.67%	0.087%
9	7.378	7.347	7.464	PV	820076	7777959	95.56%	4.975%
10	7.641	7.614	7.677	BV	8386	114217	1.40%	0.073%
11	7.737	7.713	7.796	VV	5241	115201	1.42%	0.074%
12	7.851	7.796	7.868	PV	14993	165885	2.04%	0.106%
13	7.879	7.868	7.901	VV	7565	81278	1.00%	0.052%
14	7.945	7.901	7.978	VV	75441	782286	9.61%	0.500%
15	8.030	7.978	8.104	VV	708132	6877882	84.50%	4.399%
16	8.121	8.104	8.161	VV	5012	76697	0.94%	0.049%
17	8.228	8.194	8.277	PV	521573	5123618	62.95%	3.277%
18	8.326	8.277	8.368	VV	755203	7352530	90.33%	4.703%
19	8.381	8.368	8.418	VV	3433	48479	0.60%	0.031%
20	8.566	8.548	8.586	BV	5464	60451	0.74%	0.039%
21	8.662	8.624	8.711	VV	30914	366331	4.50%	0.234%
22	8.775	8.750	8.824	VV	5490	105474	1.30%	0.067%
23	8.888	8.864	8.905	PV	4276	45690	0.56%	0.029%
24	8.921	8.905	8.944	VV	3478	33449	0.41%	0.021%
25	9.024	8.987	9.042	VV	3901	55922	0.69%	0.036%
26	9.060	9.042	9.073	VV	3471	35156	0.43%	0.022%
27	9.104	9.073	9.161	VV	707262	7303607	89.73%	4.672%
28	9.182	9.161	9.201	VV	3535	44642	0.55%	0.029%
29	9.222	9.201	9.236	VV	4589	52942	0.65%	0.034%
30	9.312	9.274	9.341	PV	9348	115863	1.42%	0.074%
31	9.387	9.341	9.471	VB	23081	330507	4.06%	0.211%
32	9.532	9.474	9.571	BV	70842	771879	9.48%	0.494%
33	9.978	9.894	10.000	BV	6784	140020	1.72%	0.090%
34	10.018	10.000	10.051	VV	5158	80685	0.99%	0.052%
35	10.093	10.051	10.128	VV	4430	92527	1.14%	0.059%
36	10.287	10.243	10.337	VV	10484	282694	3.47%	0.181%

Instrument : FID_D ClientSampleId : WB-301-BOTMS									
Manual IntegrationsAPPROVED									
Reviewed By :Yogesh Patel 10/16/2024 Supervised By :Ankita Jodhani 10/16/2024									
					rt	Area	Area%	Height	Height%
37	10.493	10.414	10.534	PV	715575	7715115	94.79%	4.935%	
38	10.568	10.534	10.701	VV	694679	7384351	90.00%	0.000%	
39	10.965	10.935	10.997	PV	69270	770398	9.00%	0.000%	
40	11.264	11.214	11.305	BV	502743	5525403	67.00%	0.000%	
41	11.320	11.305	11.368	VV	13364	165073	2.00%	0.000%	
42	11.395	11.368	11.416	VV	12143	178580	2.00%	0.000%	
43	11.434	11.416	11.449	VV	10905	125818	1.55%	0.080%	
44	11.465	11.449	11.514	VV	13103	168224	2.07%	0.108%	
45	11.683	11.651	11.738	VV	5818	88088	1.08%	0.056%	
46	11.763	11.738	11.802	PV	4011	62229	0.76%	0.040%	
47	11.878	11.858	11.924	VV	7496	114371	1.41%	0.073%	
48	12.074	12.054	12.115	VV	4573	74393	0.91%	0.048%	
49	12.180	12.155	12.199	VV	10916	144190	1.77%	0.092%	
50	12.223	12.199	12.239	VV	6817	114617	1.41%	0.073%	
51	12.297	12.239	12.368	VV	662902	8139182	100.00%	5.206%	
52	12.431	12.411	12.453	VV	7719	86595	1.06%	0.055%	
53	12.476	12.453	12.504	VV	7256	96087	1.18%	0.061%	
54	12.592	12.553	12.614	VV	694089	7738696	95.08%	4.950%	
55	12.630	12.614	12.671	VV	20467	312567	3.84%	0.200%	
56	12.704	12.671	12.731	VV	99732	1173353	14.42%	0.751%	
57	12.874	12.834	12.907	BV	63449	736630	9.05%	0.471%	
58	12.928	12.907	12.964	VV	4597	58434	0.72%	0.037%	
59	13.179	13.130	13.228	VV	8306	158856	1.95%	0.102%	
60	13.287	13.266	13.306	VV	6157	71465	0.88%	0.046%	
61	13.323	13.306	13.381	VV	4467	59607	0.73%	0.038%	
62	13.408	13.381	13.427	PV	3611	41771	0.51%	0.027%	
63	13.457	13.427	13.482	PV	59472	709227	8.71%	0.454%	
64	13.864	13.788	13.948	BV	4928	120452	1.48%	0.077%	
65	14.146	14.125	14.169	VV	3566	46642	0.57%	0.030%	
66	14.461	14.423	14.480	PV	547951	6732081	82.71%	4.306%	
67	14.504	14.480	14.530	VV	596759	6808999	83.66%	4.355%	
68	14.554	14.530	14.588	VV	53769	694488	8.53%	0.444%	
69	14.927	14.900	15.021	VB	24754	391003	4.80%	0.250%	
70	15.130	15.107	15.152	PV	4606	53605	0.66%	0.034%	
71	15.572	15.515	15.604	VV	51319	656640	8.07%	0.420%	
72	16.009	15.971	16.024	BV	481736	6592635	81.00%	4.217%	
73	16.043	16.024	16.098	VV	549725	6500637	79.87%	4.158%	
74	16.127	16.098	16.161	VV	4918	86717	1.07%	0.055%	
75	16.321	16.291	16.343	PV	5005	61617	0.76%	0.039%	
76	16.385	16.343	16.459	VV	505786	6346760	77.98%	4.060%	
77	16.515	16.459	16.542	VV	48333	700294	8.60%	0.448%	
78	16.557	16.542	16.591	VV	3768	49069	0.60%	0.031%	
79	17.399	17.308	17.451	VV	47858	643079	7.90%	0.411%	
80	17.753	17.701	17.768	BV	487164	6928126	85.12%	4.432%	
81	17.790	17.768	17.863	VV	490416	6315167	77.59%	4.039%	
82	18.003	17.961	18.104	PV	454206	6100579	74.95%	3.902%	
Sum of corrected areas:						156338064			

Aromatic EPH 093024.M Tue Oct 15 07:49:49 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F101424AL\
 Data File : FC067438.D
 Signal(s) : FID1A.ch
 Acq On : 14 Oct 2024 21:35
 Operator : YP/AJ
 Sample : P4397-02MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

WB-301-BOTMSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/15/2024

Supervised By :Ankita Jodhani 10/15/2024

Integration File: autoint1.e

Quant Time: Oct 15 04:32:48 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M

Quant Title : GC Extractables

Qlast Update : Tue Oct 01 09:13:32 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...	12.940	3859946	34.100 ug/mlm
Spiked Amount 50.000		Recovery =	68.20%
Target Compounds			
1) T n-Nonane (C9)	3.276	3331529	26.282 ug/ml
2) T n-Decane (C10)	4.342	4112515	31.993 ug/ml
4) T n-Dodecane (C12)	6.358	4803756	37.020 ug/ml
6) T n-Tetradecane (C14)	8.151	5349492	41.534 ug/ml
7) T n-Hexadecane (C16)	9.750	5588084	41.978 ug/ml
8) T n-Octadecane (C18)	11.191	5727459	42.237 ug/ml
10) T n-Eicosane (C20)	12.499	5740423	43.964 ug/ml
11) T n-Heneicosane (C21)	13.110	5477882	42.710 ug/ml
13) T n-Docosane (C22)	13.695	5452436	42.701 ug/ml
14) T n-Tetracosane (C24)	14.796	5340520	41.758 ug/ml
15) T n-Hexacosane (C26)	15.816	5259717	41.715 ug/ml
16) T n-Octacosane (C28)	16.765	5172046	41.169 ug/ml
17) T n-Tricontane (C30)	17.652	5205404	40.407 ug/ml
18) T n-Dotriacontane (C32)	18.484	5174428	41.419 ug/ml
19) T n-Tetratriacontane (C34)	19.267	5194139	47.532 ug/ml
20) T n-Hexatriacontane (C36)	20.005	5181927	54.825 ug/ml
21) T n-Octatriacontane (C38)	20.731	5226241	59.592 ug/ml
22) T n-Tetracontane (C40)	21.618	5254376	61.063 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101424AL\
Data File : FC067438.D
Signal(s) : FID1A.ch
Acq On : 14 Oct 2024 21:35
Operator : YP/AJ
Sample : P4397-02MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

FID_C

ClientSampleId :

WB-301-BOTMSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/15/2024

Supervised By :Ankita Jodhani 10/15/2024

Integration File: autoint1.e

Quant Time: Oct 15 04:32:48 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M

Quant Title : GC Extractables

QLast Update : Tue Oct 01 09:13:32 2024

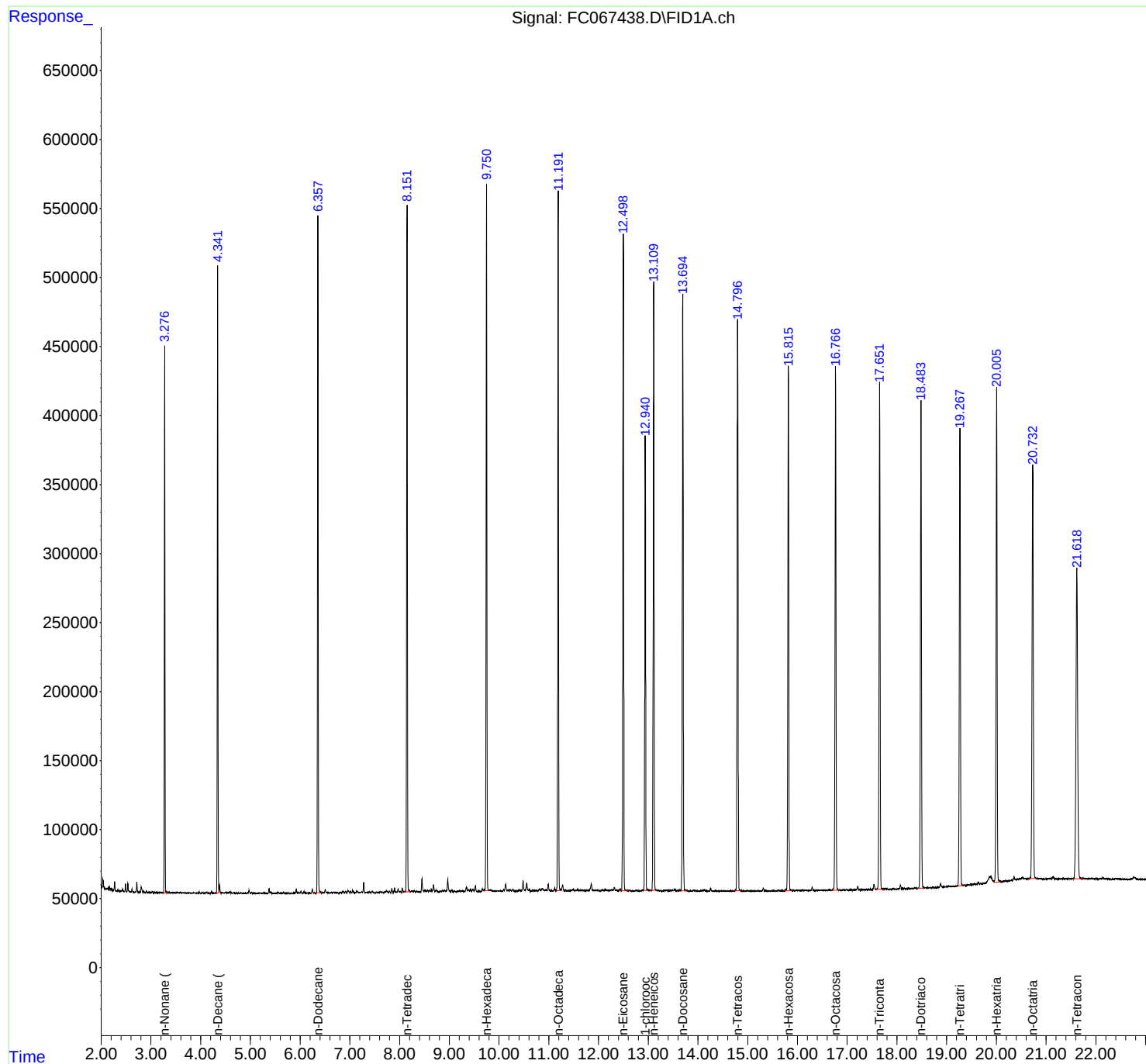
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID_C

ClientSampleId :

WB-301-BOTMSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10142

Data File : FC067438.D

Signal(s) : FID1A.ch

Acq On : 14 Oct 2024 21:35

Sample : P4397-02MSD

Misc :

ALS Vial : 19 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/15/2024

Supervised By :Ankita Jodhani 10/15/2024

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.276	3.245	3.340	BB	396747	3331529	58.04%	3.409%
2	4.342	4.284	4.368	BV	456183	4112515	71.64%	4.208%
3	4.382	4.368	4.427	VB	5879	59406	1.03%	0.061%
4	5.376	5.334	5.434	BB	3440	47027	0.82%	0.048%
5	6.358	6.304	6.434	BB	488952	4803756	83.68%	4.915%
6	7.279	7.204	7.307	BB	7490	83044	1.45%	0.085%
7	7.900	7.869	7.925	VV	3352	39902	0.70%	0.041%
8	8.151	8.090	8.224	BV	496068	5349492	93.19%	5.474%
9	8.451	8.419	8.485	BV	9381	105815	1.84%	0.108%
10	8.684	8.650	8.710	VV	4697	60284	1.05%	0.062%
11	8.970	8.886	9.024	VB	9038	139069	2.42%	0.142%
12	9.527	9.509	9.552	BB	3940	40988	0.71%	0.042%
13	9.750	9.687	9.794	VB	514691	5588084	97.35%	5.718%
14	10.134	9.977	10.160	BV	4681	68203	1.19%	0.070%
15	10.485	10.447	10.527	BV	7007	92741	1.62%	0.095%
16	10.557	10.527	10.587	PB	5030	73117	1.27%	0.075%
17	10.991	10.965	11.027	BB	4833	56688	0.99%	0.058%
18	11.191	11.152	11.252	VV	501589	5727459	99.77%	5.860%
19	11.280	11.252	11.324	VB	4214	65743	1.15%	0.067%
20	11.856	11.697	11.887	BB	5031	80119	1.40%	0.082%
21	12.499	12.455	12.577	PB	474054	5740423	100.00%	5.874%
22	12.940	12.700	12.975	BV	328741	3838540	66.87%	3.928%
23	13.110	13.037	13.169	BB	439805	5477882	95.43%	5.605%
24	13.695	13.657	13.759	PB	429781	5452436	94.98%	5.579%
25	14.796	14.709	14.864	BB	415737	5340520	93.03%	5.464%
26	15.816	15.732	15.892	BB	377829	5259717	91.63%	5.382%
27	16.765	16.680	16.837	BB	376035	5172046	90.10%	5.292%
28	17.539	17.479	17.570	BB	3466	49740	0.87%	0.051%
29	17.652	17.585	17.720	BB	363864	5205404	90.68%	5.326%
30	18.484	18.409	18.552	BB	351987	5174428	90.14%	5.294%
31	19.267	19.189	19.329	BB	330632	5194139	90.48%	5.315%
32	19.876	19.752	19.950	BV	4522	241443	4.21%	0.247%
33	20.005	19.950	20.094	VB	357862	5181927	90.27%	5.302%
34	20.731	20.650	20.797	BB	296482	5226241	91.04%	5.347%
35	21.618	21.524	21.745	BB	225571	5254376	91.53%	5.376%

Sum of corrected areas: 97734240

Page 1

rteres

Aliphatic EPH 100224.M Tue Oct 15 05:44:31 2024

Instrument :
FID_C
ClientSampleId :
WB-301-BOTMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/15/2024
Supervised By :Ankita Jodhani 10/15/2024

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AR\
 Data File : FD048513.D
 Signal(s) : FID2B.ch
 Acq On : 15 Oct 2024 06:12
 Operator : YP/AJ
 Sample : P4397-02MSD
 Misc :
 ALS Vial : 80 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

WB-301-BOTMSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e

Quant Time: Oct 15 07:37:44 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 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...	7.377	7244608	43.756 ug/ml
Spiked Amount 50.000		Recovery =	87.51%
6) S 2-Fluorobiphenyl (SURR)	8.228	4767531	45.972 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	91.94%
11) S ortho-Terphenyl (SURR)	11.263	5147288	27.975 ug/ml
Spiked Amount 50.000		Recovery =	55.95%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.199	5193817	29.635 ug/ml
2) T Naphthalene (C11.7)	5.717	5992871	32.097 ug/ml
3) T 2-Methylnaphthalene (...)	6.764	5954666	31.508 ug/ml
5) T Acenaphthylene (C15.06)	8.030	6376750	33.240 ug/ml
7) T Acenaphthene (C15.5)	8.326	6841151	36.167 ug/ml
8) T Fluorene (C16.55)	9.104	6811952	37.703 ug/ml
9) T Phenanthrene (C19.36)	10.492	7176433	40.492 ug/ml
10) T Anthracene (C19.43)	10.567	6915575	38.864 ug/ml
12) T Fluoranthene (C21.85)	12.297	6861963	37.938 ug/mlm
13) T Pyrene (C20.8)	12.591	7195067	40.181 ug/ml
14) T Benzo[a]anthracene (C...	14.459	6235474	39.017 ug/ml
15) T Chrysene (C27.41)	14.503	6313233	33.846 ug/ml
16) T benzo[b]fluoranthene ...	16.007	6089018	36.562 ug/ml
17) T Bnezo[k]fluoranthene ...	16.041	6029743	35.522 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.384	5876440	35.954 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.751	6402008	48.670 ug/ml
20) T Dibenz[a,h]anthracene...	17.788	5865413	35.052 ug/ml
21) T Benzo[g,h,i]perylene ...	18.002	5656937	34.828 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101424AR\
Data File : FD048513.D
Signal(s) : FID2B.ch
Acq On : 15 Oct 2024 06:12
Operator : YP/AJ
Sample : P4397-02MSD
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

WB-301-BOTMSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e

Quant Time: Oct 15 07:37:44 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M

Quant Title : GC Extractables

QLast Update : Mon Sep 30 14:17:34 2024

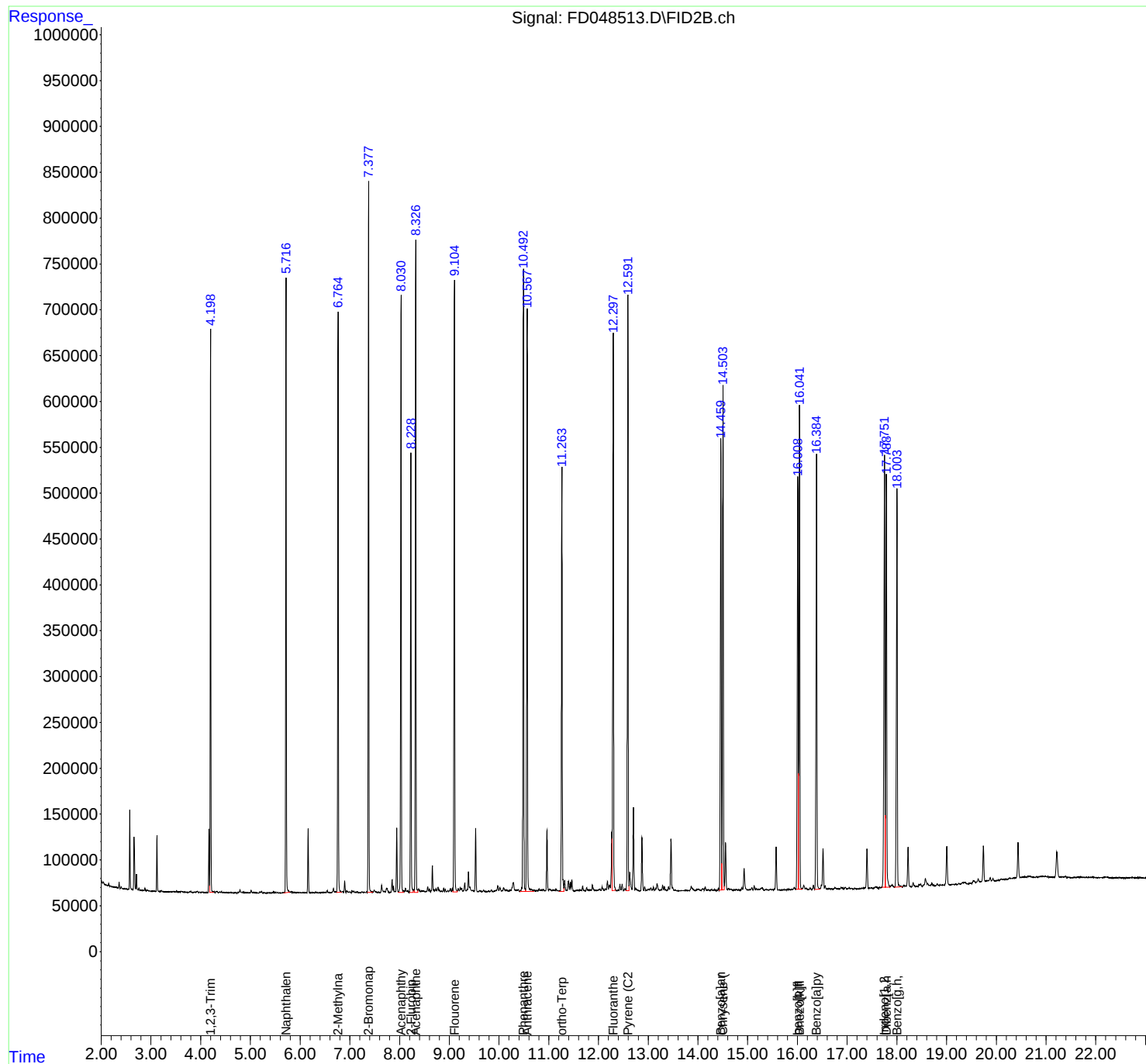
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



Instrument :

FID_D

ClientSampleId :

WB-301-BOTMSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10142

Data File : FD048513.D

Signal(s) : FID2B.ch

Acq On : 15 Oct 2024 06:12

Sample : P4397-02MSD

Misc :

ALS Vial : 80 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/16/2024

Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.168	4.137	4.180	PV	69216	581944	7.71%	0.401%
2	4.199	4.180	4.259	VV	610915	5193817	68.80%	3.575%
3	4.792	4.644	4.828	BV	3324	38316	0.51%	0.026%
4	5.717	5.661	5.799	BV	667726	5992871	79.38%	4.125%
5	6.162	6.118	6.215	BV	69840	665370	8.81%	0.458%
6	6.672	6.581	6.692	BV	4401	45528	0.60%	0.031%
7	6.764	6.730	6.833	PV	634993	5954666	78.88%	4.099%
8	6.897	6.875	6.924	PV	12325	122361	1.62%	0.084%
9	7.377	7.351	7.465	PV	779021	7244608	95.97%	4.987%
10	7.641	7.605	7.676	BV	7724	105511	1.40%	0.073%
11	7.737	7.715	7.805	VB	4585	100966	1.34%	0.070%
12	7.851	7.811	7.867	BV	13721	150256	1.99%	0.103%
13	7.879	7.867	7.901	VV	6967	72647	0.96%	0.050%
14	7.944	7.901	7.980	VV	70211	730069	9.67%	0.503%
15	8.030	7.980	8.078	VV	654731	6376750	84.47%	4.390%
16	8.121	8.104	8.161	VV	4705	71701	0.95%	0.049%
17	8.228	8.198	8.276	PV	479510	4767531	63.15%	3.282%
18	8.326	8.298	8.368	VV	702155	6841151	90.62%	4.709%
19	8.566	8.508	8.586	VV	5607	86395	1.14%	0.059%
20	8.661	8.623	8.711	VV	29000	354469	4.70%	0.244%
21	8.774	8.749	8.824	VV	5306	107837	1.43%	0.074%
22	8.888	8.864	8.905	VV	4031	45358	0.60%	0.031%
23	9.023	8.987	9.042	VV	3923	58945	0.78%	0.041%
24	9.061	9.042	9.073	VV	3581	38516	0.51%	0.027%
25	9.104	9.073	9.160	VV	672409	6811952	90.23%	4.689%
26	9.222	9.202	9.235	VV	4815	59044	0.78%	0.041%
27	9.312	9.275	9.339	VV	9444	133184	1.76%	0.092%
28	9.387	9.339	9.498	VV	21773	395977	5.25%	0.273%
29	9.532	9.498	9.570	VV	69083	734983	9.74%	0.506%
30	9.977	9.885	9.999	PV	5971	116368	1.54%	0.080%
31	10.017	9.999	10.050	VV	4217	59168	0.78%	0.041%
32	10.091	10.050	10.127	VV	3270	49439	0.65%	0.034%
33	10.286	10.242	10.331	VV	9102	227039	3.01%	0.156%
34	10.492	10.412	10.533	PV	671004	7176433	95.06%	4.940%
35	10.567	10.533	10.698	VV	640626	6915575	91.61%	4.761%
36	10.965	10.931	10.996	VV	66728	748549	9.92%	0.515%

Instrument : FID_D ClientSampleId : WB-301-BOTMSD							
Manual IntegrationsAPPROVED							
Reviewed By :Yogesh Patel 10/16/2024 Supervised By :Ankita Jodhani 10/16/2024							
				rt	Area	Area%	Height
37	11.263	11.212	11.304	VV	465545	5147288	68.18%
38	11.320	11.304	11.365	VV	11571	158418	3.543%
39	11.396	11.365	11.417	VV	10992	168614	
40	11.434	11.417	11.449	VV	10089	117273	
41	11.465	11.449	11.521	VV	12125	158945	
42	11.683	11.655	11.738	VV	5483	81281	
43	11.764	11.738	11.805	PV	3554	50832	0.67%
44	11.878	11.855	11.925	BV	6158	81796	1.08%
45	12.075	12.055	12.114	VV	3887	61590	0.82%
46	12.179	12.154	12.199	VV	10233	133287	1.77%
47	12.222	12.199	12.239	VV	6196	104503	1.38%
48	12.297	12.239	12.375	VV	614746	7549212	100.00%
49	12.431	12.407	12.452	VV	7155	84864	1.12%
50	12.476	12.452	12.504	VV	7144	92540	1.23%
51	12.591	12.553	12.615	VV	651228	7195067	95.31%
52	12.629	12.615	12.671	VV	20192	315373	4.18%
53	12.703	12.671	12.731	VV	91402	1123355	14.88%
54	12.874	12.831	12.908	PV	58192	685613	9.08%
55	12.927	12.908	12.968	VV	4041	55468	0.73%
56	13.179	13.129	13.231	VV	7554	150896	2.00%
57	13.287	13.268	13.307	VV	5574	67914	0.90%
58	13.323	13.307	13.375	VV	4393	56215	0.74%
59	13.408	13.375	13.427	PV	3462	37996	0.50%
60	13.457	13.427	13.482	PV	54096	658426	8.72%
61	13.864	13.788	13.936	BV	4597	106847	1.42%
62	14.146	14.125	14.188	VV	3444	44491	0.59%
63	14.459	14.423	14.479	PV	488810	6235474	82.60%
64	14.503	14.479	14.530	VV	558028	6313233	83.63%
65	14.554	14.530	14.587	VV	51263	647881	8.58%
66	14.927	14.900	15.031	VV	23532	364261	4.83%
67	15.130	15.106	15.152	PV	4379	50328	0.67%
68	15.570	15.515	15.610	VV	47352	613808	8.13%
69	16.007	15.971	16.022	BV	449916	6089018	80.66%
70	16.041	16.022	16.098	VV	530042	6029743	79.87%
71	16.127	16.098	16.161	VV	4428	79138	1.05%
72	16.320	16.282	16.343	PV	4663	59932	0.79%
73	16.384	16.343	16.455	VV	477148	5876440	77.84%
74	16.514	16.455	16.542	VV	44224	655914	8.69%
75	16.557	16.542	16.585	VV	3571	46452	0.62%
76	17.398	17.310	17.451	VV	43382	615374	8.15%
77	17.751	17.701	17.766	BV	471630	6402008	84.80%
78	17.788	17.766	17.864	VV	447906	5865413	77.70%
79	18.002	17.951	18.108	PV	426159	5656937	74.93%
Sum of corrected areas:					145264751		

Aromatic EPH 093024.M Tue Oct 15 07:50:02 2024



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

Manual Integration Report

Sequence:

FC100224AL

Instrument

FID_c

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	FC101424AL	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	FC067429.D	n-Hexatriacontane (C36)	yogesh	10/15/2024 8:13:09 AM	Ankita	10/15/2024 9:34:04	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067429.D	n-Tetratriacontane (C34)	yogesh	10/15/2024 8:13:09 AM	Ankita	10/15/2024 9:34:04	Peak Integrated by Software
P4368-03	FC067433.D	n-Decane (C10)	yogesh	10/15/2024 8:13:07 AM	Ankita	10/15/2024 9:34:05	Peak Integrated by Software
P4397-02	FC067435.D	1-chlorooctadecane (SURR)	yogesh	10/15/2024 8:13:26 AM	Ankita	10/15/2024 9:34:07	Peak Integrated by Software
P4397-02D	FC067436.D	1-chlorooctadecane (SURR)	yogesh	10/15/2024 8:13:27 AM	Ankita	10/15/2024 9:34:09	Peak Integrated by Software
P4397-02MS	FC067437.D	1-chlorooctadecane (SURR)	yogesh	10/15/2024 8:13:29 AM	Ankita	10/15/2024 9:34:10	Peak Integrated by Software
P4397-02MSD	FC067438.D	1-chlorooctadecane (SURR)	yogesh	10/15/2024 8:13:30 AM	Ankita	10/15/2024 9:34:12	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067440.D	n-Dotriacontane (C32)	yogesh	10/15/2024 8:13:32 AM	Ankita	10/15/2024 9:34:13	Peak Integrated by Software
P4368-09	FC067444.D	n-Hexatriacontane (C36)	yogesh	10/15/2024 8:13:33 AM	Ankita	10/15/2024 9:34:14	Peak Integrated by Software
P4368-09	FC067444.D	n-Tetracontane (C40)	yogesh	10/15/2024 8:13:33 AM	Ankita	10/15/2024 9:34:14	Peak Integrated by Software



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

Manual Integration Report

Sequence:

FD093024AR

Instrument

FID_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	FD101424AR	Instrument	FID_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB164109BS	FD048506.D	Fluoranthene (C21.85)	yogesh	10/16/2024 3:20:38 PM	Ankita	10/16/2024 4:39:07	Peak Integrated by Software
PB164109BSD	FD048507.D	Fluoranthene (C21.85)	yogesh	10/16/2024 3:20:42 PM	Ankita	10/16/2024 4:39:09	Peak Integrated by Software
P4368-03	FD048508.D	Benzo[a]anthracene (C26.37)	yogesh	10/16/2024 3:20:44 PM	Ankita	10/16/2024 4:39:11	Peak Integrated by Software
P4368-03	FD048508.D	Benzo[a]pyrene (C31.34)	yogesh	10/16/2024 3:20:44 PM	Ankita	10/16/2024 4:39:11	Peak Integrated by Software
P4368-03	FD048508.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	10/16/2024 3:20:44 PM	Ankita	10/16/2024 4:39:11	Peak Integrated by Software
P4368-03	FD048508.D	Naphthalene (C11.7)	yogesh	10/16/2024 3:20:44 PM	Ankita	10/16/2024 4:39:11	Peak Integrated by Software
P4397-01	FD048509.D	ortho-Terphenyl (SURR)	yogesh	10/16/2024 3:20:45 PM	Ankita	10/16/2024 4:39:12	Peak Integrated by Software
P4397-02MS	FD048512.D	Fluoranthene (C21.85)	yogesh	10/16/2024 3:20:47 PM	Ankita	10/16/2024 4:39:14	Peak Integrated by Software
P4397-02MSD	FD048513.D	Fluoranthene (C21.85)	yogesh	10/16/2024 3:20:49 PM	Ankita	10/16/2024 4:39:15	Peak Integrated by Software
PB164112BS	FD048517.D	Fluoranthene (C21.85)	yogesh	10/16/2024 3:20:51 PM	Ankita	10/16/2024 4:39:18	Peak Integrated by Software
PB164112BSD	FD048518.D	Fluoranthene (C21.85)	yogesh	10/16/2024 3:20:52 PM	Ankita	10/16/2024 4:39:20	Peak Integrated by Software
P4368-09	FD048519.D	Benzo[a]anthracene (C26.37)	yogesh	10/16/2024 3:20:54 PM	Ankita	10/16/2024 4:39:21	Peak Integrated by Software
P4368-09	FD048519.D	Benzo[a]pyrene (C31.34)	yogesh	10/16/2024 3:20:54 PM	Ankita	10/16/2024 4:39:21	Peak Integrated by Software

Manual Integration Report

Sequence:	FD101424AR	Instrument	FID_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4368-09	FD048519.D	Chrysene (C27.41)	yogesh	10/16/2024 3:20:54 PM	Ankita	10/16/2024 4:39:21	Peak Integrated by Software
P4368-09	FD048519.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	10/16/2024 3:20:54 PM	Ankita	10/16/2024 4:39:21	Peak Integrated by Software
P4368-09	FD048519.D	Phenanthrene (C19.36)	yogesh	10/16/2024 3:20:54 PM	Ankita	10/16/2024 4:39:21	Peak Integrated by Software
P4397-01	FD048521.D	ortho-Terphenyl (SURR)	yogesh	10/16/2024 3:20:56 PM	Ankita	10/16/2024 4:39:23	Peak Integrated by Software
20 PPM AROMATIC HC	FD048523.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	10/16/2024 3:20:58 PM	Ankita	10/16/2024 4:39:25	Peak Integrated by Software

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC100224AL

Review By	yogesh	Review On	10/1/2024 9:33:02 AM
Supervise By	Ankita	Supervise On	10/1/2024 10:31:51 AM
SubDirectory	FC100224AL	HP Acquire Method	HP Processing Method FC100224AL
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	FC067310.D	30 Sep 2024 09:18	YP/AJ	Ok
2	I.BLK	FC067311.D	30 Sep 2024 09:55	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC067312.D	30 Sep 2024 10:32	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC067313.D	30 Sep 2024 11:10	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC067314.D	30 Sep 2024 11:48	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC067315.D	30 Sep 2024 12:47	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC067316.D	30 Sep 2024 13:35	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC067317.D	30 Sep 2024 14:29	YP/AJ	Ok
9	I.BLK	FC067318.D	30 Sep 2024 15:06	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC067319.D	30 Sep 2024 15:49	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC101424AL

Review By	yogesh	Review On	10/14/2024 1:28:36 PM
Supervise By	Ankita	Supervise On	10/15/2024 9:34:25 AM
SubDirectory	FC101424AL	HP Acquire Method	HP Processing Method FC100224AL
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	FC067427.D	14 Oct 2024 07:58	YP/AJ	Ok
2	I.BLK	FC067428.D	14 Oct 2024 12:55	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC067429.D	14 Oct 2024 13:32	YP/AJ	Ok,M
4	PB164109BL	FC067430.D	14 Oct 2024 16:38	YP/AJ	Ok
5	PB164109BS	FC067431.D	14 Oct 2024 17:15	YP/AJ	Ok
6	PB164109BSD	FC067432.D	14 Oct 2024 17:53	YP/AJ	Ok
7	P4368-03	FC067433.D	14 Oct 2024 18:30	YP/AJ	Ok,M
8	P4397-01	FC067434.D	14 Oct 2024 19:07	YP/AJ	Ok
9	P4397-02	FC067435.D	14 Oct 2024 19:44	YP/AJ	Ok,M
10	P4397-02D	FC067436.D	14 Oct 2024 20:21	YP/AJ	Ok,M
11	P4397-02MS	FC067437.D	14 Oct 2024 20:58	YP/AJ	Ok,M
12	P4397-02MSD	FC067438.D	14 Oct 2024 21:35	YP/AJ	Ok,M
13	I.BLK	FC067439.D	14 Oct 2024 22:11	YP/AJ	Ok
14	20 PPM ALIPHATIC HC STD	FC067440.D	14 Oct 2024 22:48	YP/AJ	Ok,M
15	PB164112BL	FC067441.D	15 Oct 2024 00:02	YP/AJ	Ok
16	PB164112BS	FC067442.D	15 Oct 2024 00:39	YP/AJ	Ok
17	PB164112BSD	FC067443.D	15 Oct 2024 01:17	YP/AJ	Ok
18	P4368-09	FC067444.D	15 Oct 2024 01:53	YP/AJ	Ok,M
19	P4396-01	FC067445.D	15 Oct 2024 02:30	YP/AJ	Ok
20	I.BLK	FC067446.D	15 Oct 2024 04:22	YP/AJ	Ok
21	20 PPM ALIPHATIC HC STD	FC067447.D	15 Oct 2024 04:59	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD093024AR

Review By	yogesh	Review On	9/30/2024 3:32:01 PM
Supervise By	Ankita	Supervise On	10/1/2024 10:34:21 AM
SubDirectory	FD093024AR	HP Acquire Method	HP Processing Method FD093024AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522		
CCC Internal Standard/PEM	PP23520		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23430,PP23523		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048396.D	30 Sep 2024 09:18	YP/AJ	Ok
2	I.BLK	FD048397.D	30 Sep 2024 09:55	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD048398.D	30 Sep 2024 10:32	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD048399.D	30 Sep 2024 11:10	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD048400.D	30 Sep 2024 11:48	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD048401.D	30 Sep 2024 12:47	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD048402.D	30 Sep 2024 13:35	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD048403.D	30 Sep 2024 14:29	YP/AJ	Ok
9	I.BLK	FD048404.D	30 Sep 2024 15:06	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD048405.D	30 Sep 2024 15:49	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD101424AR

Review By	yogesh	Review On	10/14/2024 1:29:39 PM
Supervise By	Ankita	Supervise On	10/16/2024 4:39:36 PM
SubDirectory	FD101424AR	HP Acquire Method	HP Processing Method FD093024AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522		
CCC Internal Standard/PEM	PP23520		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23430,PP23523		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048502.D	14 Oct 2024 21:35	YP/AJ	Ok
2	I.BLK	FD048503.D	14 Oct 2024 22:11	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD048504.D	14 Oct 2024 22:48	YP/AJ	Ok
4	PB164109BL	FD048505.D	15 Oct 2024 00:02	YP/AJ	Ok
5	PB164109BS	FD048506.D	15 Oct 2024 00:39	YP/AJ	Ok,M
6	PB164109BSD	FD048507.D	15 Oct 2024 01:17	YP/AJ	Ok,M
7	P4368-03	FD048508.D	15 Oct 2024 01:53	YP/AJ	Ok,M
8	P4397-01	FD048509.D	15 Oct 2024 02:30	YP/AJ	ReRun
9	P4397-02	FD048510.D	15 Oct 2024 04:22	YP/AJ	Ok
10	P4397-02D	FD048511.D	15 Oct 2024 04:59	YP/AJ	Ok
11	P4397-02MS	FD048512.D	15 Oct 2024 05:35	YP/AJ	Ok,M
12	P4397-02MSD	FD048513.D	15 Oct 2024 06:12	YP/AJ	Ok,M
13	I.BLK	FD048514.D	15 Oct 2024 06:50	YP/AJ	Ok
14	20 PPM AROMATIC HC STD	FD048515.D	15 Oct 2024 07:27	YP/AJ	Ok
15	PB164112BL	FD048516.D	15 Oct 2024 08:04	YP/AJ	Ok
16	PB164112BS	FD048517.D	15 Oct 2024 08:41	YP/AJ	Ok,M
17	PB164112BSD	FD048518.D	15 Oct 2024 09:18	YP/AJ	Ok,M
18	P4368-09	FD048519.D	15 Oct 2024 09:55	YP/AJ	Ok,M
19	P4396-01	FD048520.D	15 Oct 2024 10:34	YP/AJ	Ok
20	P4397-01	FD048521.D	15 Oct 2024 11:10	YP/AJ	Ok,M
21	I.BLK	FD048522.D	15 Oct 2024 11:48	YP/AJ	Ok

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD101424AR

Review By	yogesh	Review On	10/14/2024 1:29:39 PM
Supervise By	Ankita	Supervise On	10/16/2024 4:39:36 PM
SubDirectory	FD101424AR	HP Acquire Method	HP Processing Method FD093024AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522		
CCC Internal Standard/PEM	PP23520		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23430,PP23523		

22	20 PPM AROMATIC HC STD	FD048523.D	15 Oct 2024 12:24	YP/AJ	Ok,M
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M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC100224AL

Review By	yogesh	Review On	10/1/2024 9:33:02 AM
Supervise By	Ankita	Supervise On	10/1/2024 10:31:51 AM
SubDirectory	FC100224AL	HP Acquire Method	HP Processing Method FC100224AL
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	FC067310.D	30 Sep 2024 09:18		YP/AJ	Ok
2	I.BLK	I.BLK	FC067311.D	30 Sep 2024 09:55		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC067312.D	30 Sep 2024 10:32		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC067313.D	30 Sep 2024 11:10		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067314.D	30 Sep 2024 11:48		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC067315.D	30 Sep 2024 12:47		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC067316.D	30 Sep 2024 13:35		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067317.D	30 Sep 2024 14:29		YP/AJ	Ok
9	I.BLK	I.BLK	FC067318.D	30 Sep 2024 15:06		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067319.D	30 Sep 2024 15:49		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC101424AL

Review By	yogesh	Review On	10/14/2024 1:28:36 PM
Supervise By	Ankita	Supervise On	10/15/2024 9:34:25 AM
SubDirectory	FC101424AL	HP Acquire Method	HP Processing Method FC100224AL
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	FC067427.D	14 Oct 2024 07:58		YP/AJ	Ok
2	I.BLK	I.BLK	FC067428.D	14 Oct 2024 12:55		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067429.D	14 Oct 2024 13:32		YP/AJ	Ok,M
4	PB164109BL	PB164109BL	FC067430.D	14 Oct 2024 16:38		YP/AJ	Ok
5	PB164109BS	PB164109BS	FC067431.D	14 Oct 2024 17:15		YP/AJ	Ok
6	PB164109BSD	PB164109BSD	FC067432.D	14 Oct 2024 17:53		YP/AJ	Ok
7	P4368-03	MDL-SOIL-03-QT4-202	FC067433.D	14 Oct 2024 18:30	2.5 PPM SOIL MDL	YP/AJ	Ok,M
8	P4397-01	WB-301-TOP	FC067434.D	14 Oct 2024 19:07		YP/AJ	Ok
9	P4397-02	WB-301-BOT	FC067435.D	14 Oct 2024 19:44		YP/AJ	Ok,M
10	P4397-02D	P4397-02D	FC067436.D	14 Oct 2024 20:21		YP/AJ	Ok,M
11	P4397-02MS	WB-301-BOTMS	FC067437.D	14 Oct 2024 20:58	FC067435.D	YP/AJ	Ok,M
12	P4397-02MSD	WB-301-BOTMSD	FC067438.D	14 Oct 2024 21:35	FC067435.D!FC067437.D	YP/AJ	Ok,M
13	I.BLK	I.BLK	FC067439.D	14 Oct 2024 22:11		YP/AJ	Ok
14	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067440.D	14 Oct 2024 22:48		YP/AJ	Ok,M
15	PB164112BL	PB164112BL	FC067441.D	15 Oct 2024 00:02		YP/AJ	Ok
16	PB164112BS	PB164112BS	FC067442.D	15 Oct 2024 00:39		YP/AJ	Ok
17	PB164112BSD	PB164112BSD	FC067443.D	15 Oct 2024 01:17		YP/AJ	Ok
18	P4368-09	MDL-WATER-03-QT4-2	FC067444.D	15 Oct 2024 01:53	2.5 PPM WATER MDL	YP/AJ	Ok,M

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC101424AL

Review By	yogesh	Review On	10/14/2024 1:28:36 PM
Supervise By	Ankita	Supervise On	10/15/2024 9:34:25 AM
SubDirectory	FC101424AL	HP Acquire Method	HP Processing Method FC100224AL
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	P4396-01	WASTE-WATER-FRAC	FC067445.D	15 Oct 2024 02:30		YP/AJ	Ok
20	I.BLK	I.BLK	FC067446.D	15 Oct 2024 04:22		YP/AJ	Ok
21	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067447.D	15 Oct 2024 04:59		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD093024AR

Review By	yogesh	Review On	9/30/2024 3:32:01 PM
Supervise By	Ankita	Supervise On	10/1/2024 10:34:21 AM
SubDirectory	FD093024AR	HP Acquire Method	HP Processing Method FD093024AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522		
CCC	PP23520		
Internal Standard/PEM	PP23430,PP23523		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048396.D	30 Sep 2024 09:18		YP/AJ	Ok
2	I.BLK	I.BLK	FD048397.D	30 Sep 2024 09:55		YP/AJ	Ok
3	100 PPM AROMATIC HC	100 PPM AROMATIC HC	FD048398.D	30 Sep 2024 10:32		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD048399.D	30 Sep 2024 11:10		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048400.D	30 Sep 2024 11:48		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD048401.D	30 Sep 2024 12:47		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD048402.D	30 Sep 2024 13:35		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048403.D	30 Sep 2024 14:29		YP/AJ	Ok
9	I.BLK	I.BLK	FD048404.D	30 Sep 2024 15:06		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048405.D	30 Sep 2024 15:49		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD101424AR

Review By	yogesh	Review On	10/14/2024 1:29:39 PM
Supervise By	Ankita	Supervise On	10/16/2024 4:39:36 PM
SubDirectory	FD101424AR	HP Acquire Method	HP Processing Method FD093024AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522		
CCC	PP23520		
Internal Standard/PEM	PP23430,PP23523		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048502.D	14 Oct 2024 21:35		YP/AJ	Ok
2	I.BLK	I.BLK	FD048503.D	14 Oct 2024 22:11		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048504.D	14 Oct 2024 22:48		YP/AJ	Ok
4	PB164109BL	PB164109BL	FD048505.D	15 Oct 2024 00:02		YP/AJ	Ok
5	PB164109BS	PB164109BS	FD048506.D	15 Oct 2024 00:39		YP/AJ	Ok,M
6	PB164109BSD	PB164109BSD	FD048507.D	15 Oct 2024 01:17		YP/AJ	Ok,M
7	P4368-03	MDL-SOIL-03-QT4-202	FD048508.D	15 Oct 2024 01:53	2.5 PPM SOIL MDL	YP/AJ	Ok,M
8	P4397-01	WB-301-TOP	FD048509.D	15 Oct 2024 02:30	surrogate fail	YP/AJ	ReRun
9	P4397-02	WB-301-BOT	FD048510.D	15 Oct 2024 04:22		YP/AJ	Ok
10	P4397-02D	P4397-02D	FD048511.D	15 Oct 2024 04:59		YP/AJ	Ok
11	P4397-02MS	WB-301-BOTMS	FD048512.D	15 Oct 2024 05:35	FD048510.D	YP/AJ	Ok,M
12	P4397-02MSD	WB-301-BOTMSD	FD048513.D	15 Oct 2024 06:12	FD048510.D!FD048512.D	YP/AJ	Ok,M
13	I.BLK	I.BLK	FD048514.D	15 Oct 2024 06:50		YP/AJ	Ok
14	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048515.D	15 Oct 2024 07:27		YP/AJ	Ok
15	PB164112BL	PB164112BL	FD048516.D	15 Oct 2024 08:04		YP/AJ	Ok
16	PB164112BS	PB164112BS	FD048517.D	15 Oct 2024 08:41		YP/AJ	Ok,M
17	PB164112BSD	PB164112BSD	FD048518.D	15 Oct 2024 09:18		YP/AJ	Ok,M
18	P4368-09	MDL-WATER-03-QT4-2	FD048519.D	15 Oct 2024 09:55	2.5 PPM WATER MDL	YP/AJ	Ok,M

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD101424AR

Review By	yogesh	Review On	10/14/2024 1:29:39 PM	
Supervise By	Ankita	Supervise On	10/16/2024 4:39:36 PM	
SubDirectory	FD101424AR	HP Acquire Method	HP Processing Method	FD093024AR
STD. NAME	STD REF.#			
Tune/Reschk Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522			
CCC	PP23520			
Internal Standard/PEM				
ICV/I.BLK	PP23430,PP23523			
Surrogate Standard				
MS/MSD Standard				
LCS Standard				

19	P4396-01	WASTE-WATER-FRAC	FD048520.D	15 Oct 2024 10:34		YP/AJ	Ok
20	P4397-01	WB-301-TOP	FD048521.D	15 Oct 2024 11:10		YP/AJ	Ok,M
21	I.BLK	I.BLK	FD048522.D	15 Oct 2024 11:48		YP/AJ	Ok
22	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048523.D	15 Oct 2024 12:24		YP/AJ	Ok,M

M : Manual Integration

SOP ID:	MNJDEP-EPH-7		
Clean Up SOP #:	N/A	Extraction Start Date :	10/14/2024
Matrix :	Solid	Extraction Start Time :	08:32
Welgh By:	EH	Extraction By:	RS
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
Extraction Method:	☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		
Extraction End Date :	10/14/2024		
Extraction End Time :	16:10		
Concentration By:	EH		
Supervisor By :	rajesh		

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Surrogate	1.0ML	100 PPM	PP23706
Fractionation Surrogate	1.0ML	100 PPM	PP23704
MDL	0.25ML	20 PPM	PP23539
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	EP2538
Baked Na2SO4	N/A	EP2546
Sand	N/A	E2865
Hexane	N/A	E3816
Methylene Chloride	N/A	E3817
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/14/24	RP (Ref Lab)	Y.P.PedH1143
16:15	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 10/14/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164109BL	PB164109BL	EPH	30.01	N/A	ritesh	Evelyn	2			U5-1
PB164109BS	PB164109BS	EPH	30.02	N/A	ritesh	Evelyn	2			2
PB164109BS D	PB164109BSD	EPH	30.03	N/A	ritesh	Evelyn	2			3
P4368-03	MDL-SOIL-03-QT4-2024 0.25 mL	EPH	30.04	N/A	ritesh	Evelyn	2			4
P4397-01	WB-301-TOP	EPH	30.07	N/A	ritesh	Evelyn	2			5
P4397-02	WB-301-BOT	EPH	30.06	N/A	ritesh	Evelyn	2			6
P4397-02DUP	WB-301-BOTDUP	EPH	30.08	N/A	ritesh	Evelyn	2			U6-1
P4397-02MS	WB-301-BOTMS	EPH	30.04	N/A	ritesh	Evelyn	2			2
P4397-02MS D	WB-301-BOTMSD	EPH	30.05	N/A	ritesh	Evelyn	2			3

* Extracts relinquished on the same date as received.

Signature
10/14/24

10/14/24
8:32 AM
EIN

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4368

WorkList ID : 184395

Department : Extraction

Date : 10-14-2024 08:22:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4368-03	MDL-SOIL-03-QT4-2024	Solid	EPH	Cool 4 deg C	CHEM02	QA Of	10/09/2024	NJEPH
P4368-03	MDL-SOIL-03-QT4-2024	Solid	Herbicide	Cool 4 deg C	CHEM02	QA Of	10/09/2024	8151A
P4368-09	MDL-WATER-03-QT4-2024	Water	EPH	1:1 HCl to pH < 2	CHEM02	QA Of	10/09/2024	NJEPH
P4368-09	MDL-WATER-03-QT4-2024	Water	Herbicide	Cool 4 deg C	CHEM02	QA Of	10/09/2024	8151A

Date/Time 10/14/24 8:30
Raw Sample Received by: RJ (Ext 104)
Raw Sample Relinquished by: CF 8

Date/Time 10/14/24 8:30
Raw Sample Received by: CF 8
Raw Sample Relinquished by: RJ (Ext 104)

109
45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4397

WorkList ID : 184423

Department : Extraction

Date : 10-14-2024 10:00:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4397-01	WB-301-TOP	Solid	EPH	Cool 4 deg C	PORT06	K32	10/10/2024	NJEPH
P4397-02	WB-301-BOT	Solid	EPH	Cool 4 deg C	PORT06	K32	10/10/2024	NJEPH

Date/Time 10/14/24 10:00
Raw Sample Received by: RT (Ext - Log)
Raw Sample Relinquished by: JD (SM)

Date/Time 10/14/24 10:15
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: RT (Ext - Log)



LAB CHRONICLE

OrderID:	P4397	OrderDate:	10/11/2024 3:19:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	Location:	K32,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4397-01	WB-301-TOP	Solid			10/10/24			10/11/24
			EPH	NJEPH		10/14/24	10/14/24	
			EPH	NJEPH		10/14/24	10/15/24	
P4397-02	WB-301-BOT	Solid			10/10/24			10/11/24
			EPH	NJEPH		10/14/24	10/14/24	
			EPH	NJEPH		10/14/24	10/15/24	