

Cover Page

Order ID : Q2177

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number

Q2177-01
Q2177-02
Q2177-03
Q2177-04
Q2177-05
Q2177-06
Q2177-07
Q2177-08
Q2177-09

Client Sample Number

B-187-SB00
B-187-SB01
B-187-SB01
B-187-SB02
B-187-SB02
B-202-SB01
B-202-SB01
EB05312025
TB05312025

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 6/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2177

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRATIK PATEL

Date: 06/14/2025

LAB CHRONICLE

OrderID:	Q2177	OrderDate:	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-02	B-187-SB01	SOIL			05/31/25			06/02/25
			PCB	8082A		06/03/25	06/03/25	
			EPH	NJEPH		06/11/25	06/12/25	
			EPH	NJEPH		06/11/25	06/13/25	
Q2177-03	B-187-SB01	TCLP			05/31/25			06/02/25
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-04	B-187-SB02	SOIL			05/31/25			06/02/25
			PCB	8082A		06/03/25	06/03/25	
			EPH	NJEPH		06/11/25	06/12/25	
Q2177-05	B-187-SB02	TCLP			05/31/25			06/02/25
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-06	B-202-SB01	SOIL			05/31/25			06/02/25
			PCB	8082A		06/03/25	06/03/25	
			EPH	NJEPH		06/11/25	06/12/25	
Q2177-07	B-202-SB01	TCLP			05/31/25			06/02/25
			TCLP Herbicide	8151A		06/03/25	06/05/25	
			TCLP Pesticide	8081B		06/03/25	06/03/25	
Q2177-08	EB05312025	WATER			05/31/25			06/02/25
			PCB	8082A		06/03/25	06/03/25	
			EPH	NJEPH		06/06/25	06/09/25	



QC SUMMARY



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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: Q2177 SAS No.: Q2177 SDG No.: Q2177
Run Number: FC060925AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB168324BL	60			0
PB168324BS	75			0
PB168324BSD	78			0
EB05312025	77			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.: Q2177 SAS No.: Q2177 SDG No.: Q2177
Run Number: FC061125AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB168408BL	60			0
PB168408BS	76			0
PB168408BSD	77			0
B-187-SB01MS	139			0
B-187-SB01MSD	136			0

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.: Q2177 SAS No.: Q2177 SDG No.: Q2177
Run Number: FC061225AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
B-187-SB01	125			0
B-187-SB02	61			0
B-202-SB01	65			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.: Q2177 SAS No.: Q2177 SDG No.: Q2177
Run Number: FD060925AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB168324BL	62	61	58	0
PB168324BS	68	67	57	0
PB168324BSD	63	62	53	0
EB05312025	98	95	88	0

QC LIMITS

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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: Q2177 SAS No.: Q2177 SDG No.: Q2177
Run Number: FD061125AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB168408BL	67	65	63	0
PB168408BS	73	72	62	0
PB168408BSD	67	66	57	0

QC LIMITS

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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: Q2177 SAS No.: Q2177 SDG No.: Q2177
Run Number: FD061225AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
B-187-SB02	74	72	74	0
B-202-SB01	82	81	75	0

QC LIMITS

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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: Q2177 SAS No.: Q2177 SDG No.: Q2177
Run Number: FD061325AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
B-187-SB01	48	44	83	0
B-187-SB01MS	76	74	65	0
B-187-SB01MSD	77	75	66	0

QC LIMITS

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

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

SOIL EPH SURROGATE RECOVERY

QC LIMITS

2-Bromonaphthalene (SURRE)

(40-140)

2-Fluorobiphenyl (SURRE)

(40-140)

ortho-Terphenyl (SURRE)

(40-140)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

D Surrogate diluted out

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Portal Partners Tri-Venture</u>	
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2177</u>	SAS No : <u>Q2177</u> SDG No: <u>Q2177</u>
Sample No :	<u>Q2177-02MS</u>	Datafile:	<u>FC069165.D</u> Client ID : <u>B-187-SB01MS</u>	

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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

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

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	7.9	0.46	2.73	29	*	2.83 (40-140)	50
Aromatic C12-C16	11.9	0.63	4.61	34	*	3.64 (40-140)	50
Aromatic C16-C21	19.8	2.27	10.6	42		1.43 (40-140)	50
Aromatic C21-C36	31.6	1.89	15.8	44		0.91 (40-140)	50

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q2177 **SAS No :** Q2177 **SDG No:** Q2177
Sample No : PB168324BS **Datafile:** FC069135.D **Client ID :** PB168324BS

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

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Portal Partners Tri-Venture</u>		
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2177</u>	SAS No :	<u>Q2177</u>
		SDG No:	<u>Q2177</u>		
Sample No :	<u>PB168324BSD</u>	Datafile:	<u>FC069136.D</u>	Client ID :	<u>PB168324BSD</u>

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

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q2177 **SAS No :** Q2177 **SDG No:** Q2177
Sample No : PB168408BS **Datafile:** FC069158.D **Client ID :** PB168408BS

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

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q2177 **SAS No :** Q2177 **SDG No:** Q2177
Sample No : PB168408BSD **Datafile:** FC069159.D **Client ID :** PB168408BSD

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

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Portal Partners Tri-Venture</u>
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2177</u>
		SAS No :	<u>Q2177</u>
		SDG No:	<u>Q2177</u>
Sample No :	<u>PB168324BS</u>	Datafile:	<u>FD049416.D</u>
		Client ID :	<u>PB168324BS</u>

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

WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q2177 **SAS No :** Q2177 **SDG No:** Q2177
Sample No : PB168324BSD **Datafile:** FD049417.D **Client ID :** PB168324BSD

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	200	83.6	42		8.5 (40-140)	25
Aromatic C12-C16	300	132	44		8.1 (40-140)	25
Aromatic C16-C21	500	254	51		6.5 (40-140)	25
Aromatic C21-C36	800	494	62		4.2 (40-140)	25

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Chemtech</u>	Client:	<u>Portal Partners Tri-Venture</u>
Lab Code:	<u>CHEM</u>	Cas No:	<u>Q2177</u>
		SAS No :	<u>Q2177</u>
		SDG No:	<u>Q2177</u>
Sample No :	<u>PB168408BS</u>	Datafile:	<u>FD049433.D</u>
		Client ID :	<u>PB168408BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	3.20	48		(40-140)
Aromatic C12-C16	10	5.11	51		(40-140)
Aromatic C16-C21	16.7	9.80	59		(40-140)
Aromatic C21-C36	26.6	18.5	69		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q2177 **SAS No :** Q2177 **SDG No:** Q2177
Sample No : PB168408BSD **Datafile:** FD049434.D **Client ID :** PB168408BSD

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

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168324BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q2177

SAS No.: Q2177 SDG NO.: Q2177

Instrument ID: FID_C

Lab Sample ID: PB168324BL

Matrix: (soil/water) Water

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

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB168324BS	PB168324BS
PB168324BSD	PB168324BSD
EB05312025	Q2177-08

COMMENTS: _____

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168408BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q2177

SAS No.: Q2177 SDG NO.: Q2177

Instrument ID: FID_C

Lab Sample ID: PB168408BL

Matrix: (soil/water) Solid

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

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB168408BS	PB168408BS
PB168408BSD	PB168408BSD
B-187-SB01	Q2177-02
B-187-SB01MS	Q2177-02MS
B-187-SB01MSD	Q2177-02MSD
B-187-SB02	Q2177-04
B-202-SB01	Q2177-06

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:45	06/12/25 12:59	PB168408

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.10	J	1	0.17	1.19	mg/kg	FC069184.D
Aliphatic C12-C16	Aliphatic C12-C16	3.37		1	0.13	0.79	mg/kg	FC069184.D
Aliphatic C16-C21	Aliphatic C16-C21	0.65	J	1	0.15	1.19	mg/kg	FC069184.D
Aliphatic C21-C28	Aliphatic C21-C28	5.91		1	0.63	1.58	mg/kg	FC069184.D
Aliphatic C28-C40	Aliphatic C28-C40	6.40		1	1.40	2.37	mg/kg	FC069184.D
Aromatic C10-C12	Aromatic C10-C12	0.46	J	1	0.14	0.79	mg/kg	FD049482.D
Aromatic C12-C16	Aromatic C12-C16	0.63	J	1	0.27	1.19	mg/kg	FD049482.D
Aromatic C16-C21	Aromatic C16-C21	2.27		1	0.47	1.98	mg/kg	FD049482.D
Aromatic C21-C36	Aromatic C21-C36	1.89	J	1	1.41	3.16	mg/kg	FD049482.D
Total AliphaticEPH	Total AliphaticEPH	17.4			2.48	7.12	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.25	J		2.30	7.12	mg/kg	
Total EPH	Total EPH	22.7			4.78	14.2	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
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
FC069184.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	1.10	J	0.17	1.19	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	3.37		0.13	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.65	J	0.15	1.19	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	5.91		0.63	1.58	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.40		1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	62.5		40 - 140	125%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2177-02	Acq On:	12 Jun 2025 12:59
Client Sample ID:	B-187-SB01	Operator:	YP/AJ
Data file:	FC069184.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	3.305	6.606	1466205	13.869	300	ug/ml
Aliphatic C12-C16	6.607	10.010	4348269	42.636	200	ug/ml
Aliphatic C16-C21	10.011	13.380	808828	8.265	300	ug/ml
Aliphatic C21-C28	13.381	17.048	7021300	74.851	400	ug/ml
Aliphatic C28-C40	17.049	22.036	7653268	81.039	600	ug/ml
Aliphatic EPH	3.305	22.036	21297870	220.66		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.119	13.119	5605383	62.48		ug/ml
Aliphatic C9-C28	3.305	17.048	13644602	139.621	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069184.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 12:59
Operator : YP/AJ
Sample : Q2177-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-187-SB01

Integration File: autoint1.e
Quant Time: Jun 13 02:16:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.119	5605383	62.481 ug/ml
Spiked Amount	50.000	Recovery	= 124.96%

Target Compounds

(f)=RT Delta > 1/2 Window

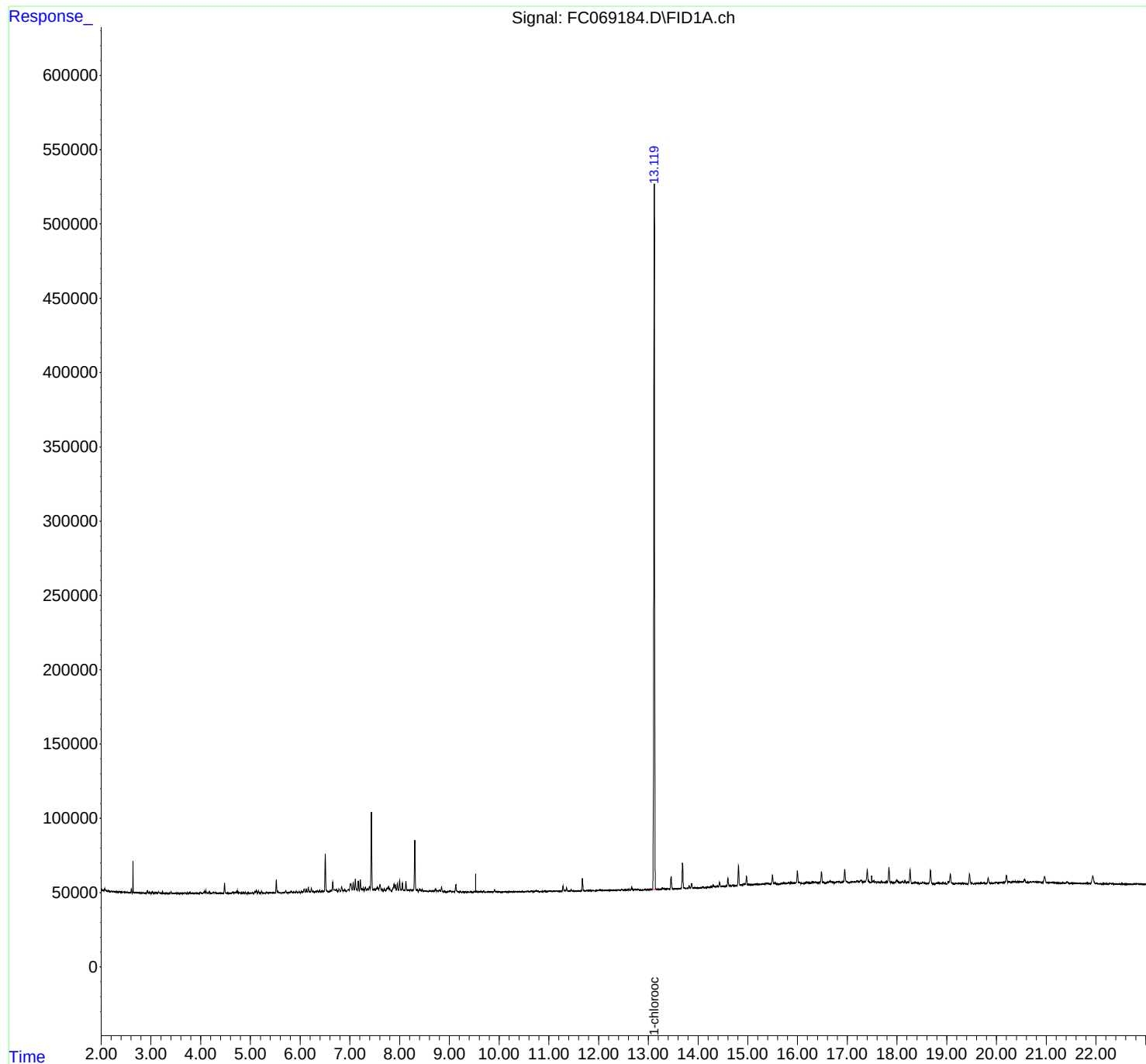
(m)=manual int.

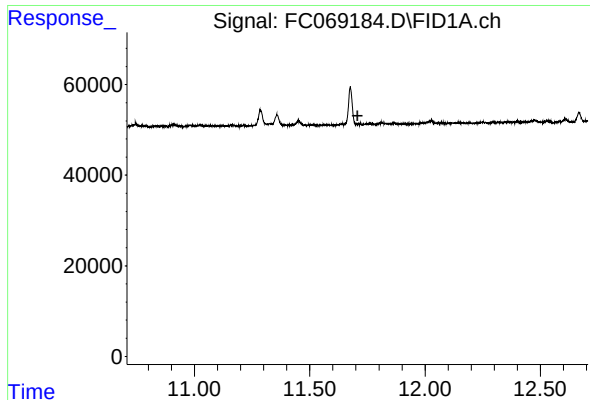
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069184.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 12:59
Operator : YP/AJ
Sample : Q2177-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-187-SB01

Integration File: autoint1.e
Quant Time: Jun 13 02:16:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

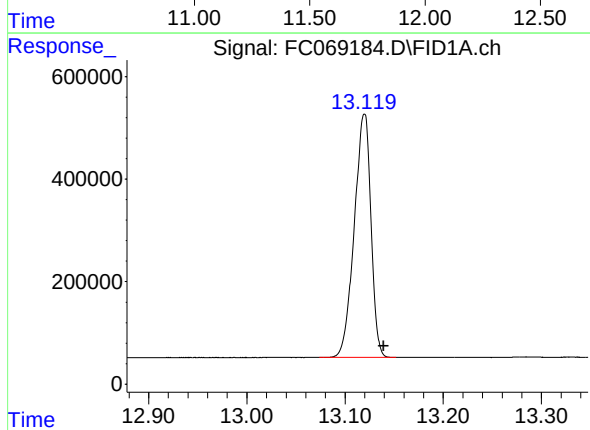




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
B-187-SB01



#12 1-chlorooctadecane (SURR)

R.T.: 13.119 min
Delta R.T.: -0.020 min
Response: 5605383
Conc: 62.48 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069184.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 12:59
Sample : Q2177-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.231	3.204	3.384	BV	262	661	0.01%	0.002%
2	3.405	3.384	3.438	PV	1398	14226	0.25%	0.053%
3	3.449	3.438	3.488	VV	147	2515	0.04%	0.009%
4	3.559	3.488	3.588	PV	151	5427	0.10%	0.020%
5	3.607	3.588	3.644	VV	301	4945	0.09%	0.018%
6	3.677	3.644	3.718	VV	399	8959	0.16%	0.033%
7	3.732	3.718	3.764	VV	419	5211	0.09%	0.019%
8	3.781	3.764	3.808	VV	788	10198	0.18%	0.038%
9	3.842	3.808	3.883	VV	315	7998	0.14%	0.030%
10	3.904	3.883	3.937	VV	473	7716	0.14%	0.029%
11	3.949	3.937	3.971	VV	126	1837	0.03%	0.007%
12	3.992	3.971	4.043	VV	515	12974	0.23%	0.048%
13	4.077	4.043	4.091	VV	1414	17766	0.31%	0.066%
14	4.106	4.091	4.127	VV	1923	18918	0.33%	0.070%
15	4.141	4.127	4.155	VV	420	4566	0.08%	0.017%
16	4.174	4.155	4.197	VV	1510	15498	0.27%	0.057%
17	4.209	4.197	4.215	VV	162	1327	0.02%	0.005%
18	4.257	4.215	4.273	VV	862	16958	0.30%	0.063%
19	4.288	4.273	4.316	VV	571	9274	0.16%	0.034%
20	4.326	4.316	4.368	VV	240	4867	0.09%	0.018%
21	4.396	4.368	4.418	VV	336	5965	0.11%	0.022%
22	4.437	4.418	4.453	VV	389	4926	0.09%	0.018%
23	4.480	4.453	4.514	VV	6985	70164	1.24%	0.260%
24	4.524	4.514	4.541	VV	368	4540	0.08%	0.017%
25	4.586	4.541	4.612	VV	352	10118	0.18%	0.037%
26	4.648	4.612	4.668	VV	953	15452	0.27%	0.057%
27	4.683	4.668	4.693	VV	588	6641	0.12%	0.025%
28	4.706	4.693	4.720	VV	889	9219	0.16%	0.034%
29	4.735	4.720	4.753	VV	1908	18855	0.33%	0.070%
30	4.766	4.753	4.779	VV	733	7723	0.14%	0.029%
31	4.790	4.779	4.804	VV	617	7210	0.13%	0.027%
32	4.814	4.804	4.828	VV	415	4652	0.08%	0.017%
33	4.855	4.828	4.875	VV	734	10627	0.19%	0.039%
34	4.896	4.875	4.915	VV	615	8538	0.15%	0.032%
35	4.930	4.915	4.944	VV	246	3529	0.06%	0.013%
36	4.960	4.944	4.980	VV	624	6644	0.12%	0.025%

					rteres			
37	5.005	4.980	5.020	VV	336	4924	0.09%	0.018%
38	5.035	5.020	5.064	VV	425	6687	0.12%	0.025%
39	5.092	5.064	5.104	PV	1459	14590	0.26%	0.054%
40	5.120	5.104	5.144	VV	2354	28491	0.50%	0.105%
41	5.162	5.144	5.194	VV	1761	24036	0.43%	0.089%
42	5.225	5.194	5.266	VV	1569	23588	0.42%	0.087%
43	5.279	5.266	5.304	VV	294	4458	0.08%	0.017%
44	5.324	5.304	5.368	VV	669	14811	0.26%	0.055%
45	5.385	5.368	5.406	VV	436	8517	0.15%	0.032%
46	5.417	5.406	5.431	VV	457	5457	0.10%	0.020%
47	5.446	5.431	5.458	VV	449	5502	0.10%	0.020%
48	5.473	5.458	5.496	VV	446	6805	0.12%	0.025%
49	5.521	5.496	5.541	VV	9035	91208	1.61%	0.338%
50	5.552	5.541	5.578	VV	1348	19119	0.34%	0.071%
51	5.590	5.578	5.606	VV	458	5980	0.11%	0.022%
52	5.620	5.606	5.631	VV	347	4394	0.08%	0.016%
53	5.710	5.631	5.746	VV	1832	38915	0.69%	0.144%
54	5.770	5.746	5.788	VV	708	11726	0.21%	0.043%
55	5.823	5.788	5.851	VV	1404	30387	0.54%	0.112%
56	5.872	5.851	5.903	VV	956	17936	0.32%	0.066%
57	5.922	5.903	5.955	VV	1063	20312	0.36%	0.075%
58	5.977	5.955	6.004	VV	1090	17980	0.32%	0.067%
59	6.026	6.004	6.043	VV	1068	17281	0.31%	0.064%
60	6.080	6.043	6.102	VV	2797	51784	0.92%	0.192%
61	6.122	6.102	6.141	VV	2833	37011	0.65%	0.137%
62	6.165	6.141	6.197	VV	3810	58644	1.04%	0.217%
63	6.226	6.197	6.244	VV	3398	47250	0.84%	0.175%
64	6.266	6.244	6.288	VV	1242	24475	0.43%	0.091%
65	6.319	6.288	6.328	VV	1070	22157	0.39%	0.082%
66	6.346	6.328	6.370	VV	1752	31609	0.56%	0.117%
67	6.389	6.370	6.417	VV	1927	35415	0.63%	0.131%
68	6.443	6.417	6.458	VV	1524	28731	0.51%	0.106%
69	6.468	6.458	6.476	VV	1307	13013	0.23%	0.048%
70	6.506	6.476	6.555	VV	26170	309111	5.47%	1.144%
71	6.570	6.555	6.584	VV	1224	17918	0.32%	0.066%
72	6.623	6.584	6.638	VV	1676	43478	0.77%	0.161%
73	6.656	6.638	6.679	VV	7346	97319	1.72%	0.360%
74	6.689	6.679	6.713	VV	2200	40663	0.72%	0.151%
75	6.728	6.713	6.758	VV	2682	46462	0.82%	0.172%
76	6.782	6.758	6.809	VV	2540	50207	0.89%	0.186%
77	6.835	6.809	6.859	VV	4157	75687	1.34%	0.280%
78	6.868	6.859	6.880	VV	1842	20948	0.37%	0.078%
79	6.900	6.880	6.930	VV	2121	50079	0.89%	0.185%
80	6.967	6.930	6.987	VV	2364	60572	1.07%	0.224%
81	7.009	6.987	7.047	VV	6209	148799	2.63%	0.551%
82	7.067	7.047	7.090	VV	6860	98542	1.74%	0.365%
83	7.111	7.090	7.146	VV	9203	141573	2.51%	0.524%
84	7.169	7.146	7.190	VV	7996	105721	1.87%	0.391%
85	7.211	7.190	7.252	VV	8913	141889	2.51%	0.525%
86	7.268	7.252	7.284	VV	3072	46565	0.82%	0.172%
87	7.313	7.284	7.331	VV	3879	74415	1.32%	0.275%
88	7.358	7.331	7.374	VV	2693	59402	1.05%	0.220%
89	7.394	7.374	7.409	VV	4206	65834	1.16%	0.244%

					rteres			
90	7.433	7.409	7.466	VV	54211	604340	10.69%	2.237%
91	7.484	7.466	7.511	VV	2424	56996	1.01%	0.211%
92	7.555	7.511	7.581	VV	3548	116870	2.07%	0.433%
93	7.606	7.581	7.633	VV	5620	112017	1.98%	0.415%
94	7.646	7.633	7.664	VV	2485	37345	0.66%	0.138%
95	7.694	7.664	7.717	VV	2783	60075	1.06%	0.222%
96	7.747	7.717	7.758	VV	3003	55429	0.98%	0.205%
97	7.777	7.758	7.793	VV	4110	64833	1.15%	0.240%
98	7.800	7.793	7.836	VV	2763	51713	0.92%	0.191%
99	7.888	7.836	7.902	VV	6045	127610	2.26%	0.472%
100	7.914	7.902	7.934	VV	5298	67733	1.20%	0.251%
101	7.955	7.934	7.978	VV	6247	87591	1.55%	0.324%
102	8.001	7.978	8.029	VV	8319	123421	2.18%	0.457%
103	8.057	8.029	8.081	VV	6480	96683	1.71%	0.358%
104	8.128	8.081	8.152	VV	7686	126944	2.25%	0.470%
105	8.164	8.152	8.198	VV	1776	44724	0.79%	0.166%
106	8.217	8.198	8.237	VV	2281	40245	0.71%	0.149%
107	8.255	8.237	8.277	VV	1694	37341	0.66%	0.138%
108	8.306	8.277	8.341	VV	35289	407839	7.22%	1.510%
109	8.355	8.341	8.377	VV	2397	36422	0.64%	0.135%
110	8.402	8.377	8.435	VV	2152	57416	1.02%	0.213%
111	8.451	8.435	8.483	VV	1831	40131	0.71%	0.149%
112	8.500	8.483	8.531	VV	1250	28278	0.50%	0.105%
113	8.545	8.531	8.571	VV	941	18452	0.33%	0.068%
114	8.596	8.571	8.607	VV	1050	18358	0.32%	0.068%
115	8.620	8.607	8.651	VV	1208	24686	0.44%	0.091%
116	8.667	8.651	8.693	VV	1265	24452	0.43%	0.091%
117	8.720	8.693	8.741	VV	1737	36866	0.65%	0.136%
118	8.756	8.741	8.781	VV	1419	25478	0.45%	0.094%
119	8.799	8.781	8.822	VV	1815	30612	0.54%	0.113%
120	8.844	8.822	8.873	VV	3532	51293	0.91%	0.190%
121	8.896	8.873	8.938	VV	1205	21850	0.39%	0.081%
122	8.995	8.938	9.010	VV	888	22360	0.40%	0.083%
123	9.027	9.010	9.049	VV	1129	17833	0.32%	0.066%
124	9.066	9.049	9.100	VV	540	13826	0.24%	0.051%
125	9.131	9.100	9.200	VV	5203	75432	1.33%	0.279%
126	9.217	9.200	9.244	VV	433	6573	0.12%	0.024%
127	9.271	9.244	9.292	VV	239	4886	0.09%	0.018%
128	9.317	9.292	9.338	VV	312	5094	0.09%	0.019%
129	9.373	9.338	9.384	VV	188	3790	0.07%	0.014%
130	9.432	9.384	9.481	VV	286	7790	0.14%	0.029%
131	9.503	9.481	9.538	VV	552	18433	0.33%	0.068%
132	9.549	9.538	9.568	VV	325	3908	0.07%	0.014%
133	9.588	9.568	9.620	VV	213	5158	0.09%	0.019%
134	9.643	9.620	9.667	VV	360	7070	0.13%	0.026%
135	9.690	9.667	9.727	VV	1043	13280	0.24%	0.049%
136	9.781	9.727	9.808	PV	254	5644	0.10%	0.021%
137	9.829	9.808	9.868	VV	437	6592	0.12%	0.024%
138	9.875	9.868	9.882	VV	145	619	0.01%	0.002%
139	9.910	9.882	9.964	VV	1744	23295	0.41%	0.086%
140	9.978	9.964	10.045	PV	144	4488	0.08%	0.017%
141	10.081	10.045	10.106	VV	113	2712	0.05%	0.010%

					rteres			
142	10.134	10.106	10.167	PV	296	4322	0.08%	0.016%
143	10.176	10.167	10.217	VV	106	2099	0.04%	0.008%
144	10.237	10.217	10.281	VV	131	4288	0.08%	0.016%
145	10.300	10.281	10.327	VV	310	5542	0.10%	0.021%
146	10.348	10.327	10.364	VV	291	3880	0.07%	0.014%
147	10.388	10.364	10.431	VV	287	6952	0.12%	0.026%
148	10.467	10.431	10.493	VV	268	4916	0.09%	0.018%
149	10.575	10.493	10.614	VV	328	15875	0.28%	0.059%
150	10.649	10.614	10.689	VV	752	15260	0.27%	0.056%
151	10.745	10.689	10.806	VV	853	20716	0.37%	0.077%
152	10.835	10.806	10.849	PV	246	4191	0.07%	0.016%
153	10.863	10.849	10.884	VV	221	3756	0.07%	0.014%
154	10.910	10.884	10.951	VV	625	11868	0.21%	0.044%
155	10.985	10.951	11.004	VV	306	6309	0.11%	0.023%
156	11.023	11.004	11.052	VV	338	6784	0.12%	0.025%
157	11.084	11.052	11.104	VV	240	5999	0.11%	0.022%
158	11.110	11.104	11.141	VV	234	3034	0.05%	0.011%
159	11.162	11.141	11.194	VV	287	6058	0.11%	0.022%
160	11.213	11.194	11.226	VV	228	2786	0.05%	0.010%
161	11.242	11.226	11.251	PV	162	1707	0.03%	0.006%
162	11.286	11.251	11.315	VV	3556	49812	0.88%	0.184%
163	11.325	11.315	11.338	VV	543	6682	0.12%	0.025%
164	11.358	11.338	11.405	VV	2500	36102	0.64%	0.134%
165	11.412	11.405	11.417	VV	244	1427	0.03%	0.005%
166	11.451	11.417	11.499	VV	1126	20821	0.37%	0.077%
167	11.508	11.499	11.537	VV	270	3754	0.07%	0.014%
168	11.546	11.537	11.561	VV	196	2319	0.04%	0.009%
169	11.578	11.561	11.604	VV	218	4367	0.08%	0.016%
170	11.637	11.604	11.651	VV	331	6011	0.11%	0.022%
171	11.676	11.651	11.731	VV	8452	100535	1.78%	0.372%
172	11.769	11.731	11.787	VV	407	10395	0.18%	0.038%
173	11.811	11.787	11.842	VV	604	12304	0.22%	0.046%
174	11.867	11.842	11.898	VV	472	10285	0.18%	0.038%
175	11.908	11.898	11.926	VV	309	4064	0.07%	0.015%
176	11.982	11.926	11.998	VV	411	12790	0.23%	0.047%
177	12.025	11.998	12.062	VV	855	20626	0.36%	0.076%
178	12.072	12.062	12.104	VV	429	8127	0.14%	0.030%
179	12.130	12.104	12.178	VV	437	15177	0.27%	0.056%
180	12.189	12.178	12.218	VV	411	7600	0.13%	0.028%
181	12.250	12.218	12.274	VV	470	12145	0.21%	0.045%
182	12.293	12.274	12.311	VV	491	8738	0.15%	0.032%
183	12.321	12.311	12.337	VV	470	6464	0.11%	0.024%
184	12.358	12.337	12.378	VV	515	10380	0.18%	0.038%
185	12.400	12.378	12.418	VV	671	11130	0.20%	0.041%
186	12.474	12.418	12.503	VV	822	27584	0.49%	0.102%
187	12.533	12.503	12.558	VV	566	14461	0.26%	0.054%
188	12.582	12.558	12.590	VV	488	7266	0.13%	0.027%
189	12.608	12.590	12.638	VV	984	17449	0.31%	0.065%
190	12.668	12.638	12.691	VV	2431	35833	0.63%	0.133%
191	12.704	12.691	12.714	VV	581	7490	0.13%	0.028%
192	12.731	12.714	12.764	VV	919	18079	0.32%	0.067%
193	12.787	12.764	12.867	VV	925	29055	0.51%	0.108%
194	12.885	12.867	12.903	VV	397	6837	0.12%	0.025%

					rteres			
195	12.949	12.903	12.991	VV	467	21441	0.38%	0.079%
196	13.030	12.991	13.058	VV	880	21547	0.38%	0.080%
197	13.119	13.058	13.188	VV	475064	5651077	100.00%	20.918%
198	13.223	13.188	13.248	VV	668	20462	0.36%	0.076%
199	13.283	13.248	13.311	VV	1471	35099	0.62%	0.130%
200	13.330	13.311	13.364	VV	1067	25116	0.44%	0.093%
201	13.387	13.364	13.426	VV	800	24447	0.43%	0.090%
202	13.458	13.426	13.495	VV	9201	126797	2.24%	0.469%
203	13.509	13.495	13.534	VV	827	17264	0.31%	0.064%
204	13.559	13.534	13.584	VV	893	23777	0.42%	0.088%
205	13.625	13.584	13.643	VV	839	26922	0.48%	0.100%
206	13.688	13.643	13.758	VV	18080	269266	4.76%	0.997%
207	13.820	13.758	13.843	VV	2754	69203	1.22%	0.256%
208	13.868	13.843	13.911	VV	4373	83036	1.47%	0.307%
209	13.926	13.911	13.951	VV	1431	29115	0.52%	0.108%
210	13.961	13.951	14.014	VV	1249	43966	0.78%	0.163%
211	14.041	14.014	14.054	VV	1244	27926	0.49%	0.103%
212	14.098	14.054	14.134	VV	1817	68990	1.22%	0.255%
213	14.144	14.134	14.168	VV	1477	27765	0.49%	0.103%
214	14.200	14.168	14.215	VV	1582	40899	0.72%	0.151%
215	14.261	14.215	14.271	VV	1775	51668	0.91%	0.191%
216	14.306	14.271	14.327	VV	3006	74571	1.32%	0.276%
217	14.337	14.327	14.355	VV	1987	31585	0.56%	0.117%
218	14.387	14.355	14.406	VV	2406	60755	1.08%	0.225%
219	14.432	14.406	14.470	VV	4709	103856	1.84%	0.384%
220	14.505	14.470	14.520	VV	2181	60841	1.08%	0.225%
221	14.531	14.520	14.541	VV	2132	26235	0.46%	0.097%
222	14.599	14.541	14.624	VV	7266	168138	2.98%	0.622%
223	14.636	14.624	14.652	VV	2472	38019	0.67%	0.141%
224	14.662	14.652	14.674	VV	2318	29954	0.53%	0.111%
225	14.697	14.674	14.745	VV	2969	104749	1.85%	0.388%
226	14.758	14.745	14.766	VV	2398	29543	0.52%	0.109%
227	14.811	14.766	14.853	VV	15767	293014	5.19%	1.085%
228	14.931	14.853	14.947	VV	3737	168590	2.98%	0.624%
229	14.973	14.947	15.001	VV	8720	166998	2.96%	0.618%
230	15.030	15.001	15.061	VV	3240	104975	1.86%	0.389%
231	15.070	15.061	15.097	VV	2871	59846	1.06%	0.222%
232	15.119	15.097	15.135	VV	3150	67704	1.20%	0.251%
233	15.170	15.135	15.206	VV	3320	133605	2.36%	0.495%
234	15.224	15.206	15.251	VV	3162	80840	1.43%	0.299%
235	15.258	15.251	15.268	VV	3036	30168	0.53%	0.112%
236	15.296	15.268	15.323	VV	3411	106628	1.89%	0.395%
237	15.327	15.323	15.336	VV	3176	25739	0.46%	0.095%
238	15.359	15.336	15.374	VV	3404	73562	1.30%	0.272%
239	15.401	15.374	15.449	VV	3695	155409	2.75%	0.575%
240	15.495	15.449	15.527	VV	9189	227157	4.02%	0.841%
241	15.543	15.527	15.614	VV	3760	173513	3.07%	0.642%
242	15.650	15.614	15.661	VV	3314	87780	1.55%	0.325%
243	15.678	15.661	15.698	VV	3638	75568	1.34%	0.280%
244	15.720	15.698	15.738	VV	3663	84465	1.49%	0.313%
245	15.759	15.738	15.775	VV	3696	77984	1.38%	0.289%
246	15.819	15.775	15.841	VV	3947	145979	2.58%	0.540%

					rteres			
247	15.860	15.841	15.875	VV	3848	77254	1.37%	0.286%
248	15.890	15.875	15.903	VV	3784	60258	1.07%	0.223%
249	15.920	15.903	15.943	VV	3958	87756	1.55%	0.325%
250	15.996	15.943	16.021	VV	11592	270401	4.78%	1.001%
251	16.038	16.021	16.075	VV	3945	119187	2.11%	0.441%
252	16.094	16.075	16.118	VV	3509	83938	1.49%	0.311%
253	16.168	16.118	16.184	VV	3928	143143	2.53%	0.530%
254	16.214	16.184	16.253	VV	3867	152479	2.70%	0.564%
255	16.309	16.253	16.325	VV	4136	161902	2.86%	0.599%
256	16.357	16.325	16.421	VV	4006	215898	3.82%	0.799%
257	16.480	16.421	16.549	VV	10908	377304	6.68%	1.397%
258	16.604	16.549	16.624	VV	3752	161732	2.86%	0.599%
259	16.643	16.624	16.673	VV	4358	120987	2.14%	0.448%
260	16.687	16.673	16.740	VV	4127	153917	2.72%	0.570%
261	16.752	16.740	16.760	VV	3838	42291	0.75%	0.157%
262	16.775	16.760	16.799	VV	4073	93406	1.65%	0.346%
263	16.815	16.799	16.828	VV	4137	68531	1.21%	0.254%
264	16.838	16.828	16.892	VV	4227	146230	2.59%	0.541%
265	16.948	16.892	17.036	VV	12220	446640	7.90%	1.653%
266	17.046	17.036	17.054	VV	3649	39235	0.69%	0.145%
267	17.101	17.054	17.138	VV	3878	185315	3.28%	0.686%
268	17.152	17.138	17.163	VV	3977	58099	1.03%	0.215%
269	17.203	17.163	17.247	VV	4406	203455	3.60%	0.753%
270	17.280	17.247	17.322	VV	4931	187649	3.32%	0.695%
271	17.339	17.322	17.354	VV	4113	73672	1.30%	0.273%
272	17.400	17.354	17.474	VV	11586	378823	6.70%	1.402%
273	17.491	17.474	17.551	VV	5056	177244	3.14%	0.656%
274	17.577	17.551	17.598	VV	3639	97512	1.73%	0.361%
275	17.620	17.598	17.644	VV	3484	94363	1.67%	0.349%
276	17.686	17.644	17.716	VV	4090	150771	2.67%	0.558%
277	17.730	17.716	17.751	VV	3428	70248	1.24%	0.260%
278	17.761	17.751	17.770	VV	3240	37408	0.66%	0.138%
279	17.788	17.770	17.808	VV	3705	78504	1.39%	0.291%
280	17.837	17.808	17.869	VV	13220	251819	4.46%	0.932%
281	17.890	17.869	17.933	VV	3324	118939	2.10%	0.440%
282	17.994	17.933	18.061	VV	4374	266480	4.72%	0.986%
283	18.072	18.061	18.085	VV	3012	43606	0.77%	0.161%
284	18.113	18.085	18.135	VV	3605	96158	1.70%	0.356%
285	18.162	18.135	18.181	VV	3870	92567	1.64%	0.343%
286	18.219	18.181	18.235	VV	3405	100950	1.79%	0.374%
287	18.261	18.235	18.301	VV	11353	217837	3.85%	0.806%
288	18.362	18.301	18.380	VV	3222	129031	2.28%	0.478%
289	18.392	18.380	18.462	VV	2791	121677	2.15%	0.450%
290	18.478	18.462	18.488	VV	2449	36076	0.64%	0.134%
291	18.526	18.488	18.556	VV	3139	108339	1.92%	0.401%
292	18.568	18.556	18.594	VV	2496	54119	0.96%	0.200%
293	18.603	18.594	18.621	VV	2226	34496	0.61%	0.128%
294	18.672	18.621	18.724	VV	10949	256297	4.54%	0.949%
295	18.736	18.724	18.754	VV	1880	32372	0.57%	0.120%
296	18.790	18.754	18.811	VV	2533	71396	1.26%	0.264%
297	18.826	18.811	18.851	VV	2328	54789	0.97%	0.203%
298	18.861	18.851	18.899	VV	2243	59206	1.05%	0.219%
299	18.926	18.899	18.950	VV	2463	65156	1.15%	0.241%

					rteres			
300	18.974	18.950	18.995	VV	2168	51854	0.92%	0.192%
301	19.027	18.995	19.043	VV	3403	71349	1.26%	0.264%
302	19.071	19.043	19.141	VV	8194	207761	3.68%	0.769%
303	19.155	19.141	19.164	VV	1675	22223	0.39%	0.082%
304	19.184	19.164	19.204	VV	2131	45505	0.81%	0.168%
305	19.215	19.204	19.227	VV	2025	26306	0.47%	0.097%
306	19.248	19.227	19.288	VV	2133	70347	1.24%	0.260%
307	19.312	19.288	19.341	VV	2063	59756	1.06%	0.221%
308	19.362	19.341	19.413	VV	1953	73055	1.29%	0.270%
309	19.457	19.413	19.491	VV	7890	167697	2.97%	0.621%
310	19.500	19.491	19.535	VV	1938	45940	0.81%	0.170%
311	19.554	19.535	19.567	VV	1728	29850	0.53%	0.110%
312	19.598	19.567	19.622	VV	1893	57727	1.02%	0.214%
313	19.643	19.622	19.671	VV	1882	50339	0.89%	0.186%
314	19.697	19.671	19.714	VV	1988	48096	0.85%	0.178%
315	19.743	19.714	19.798	VV	2189	91399	1.62%	0.338%
316	19.832	19.798	19.871	VV	5205	127007	2.25%	0.470%
317	19.886	19.871	19.915	VV	1923	47315	0.84%	0.175%
318	19.986	19.915	19.995	VV	2132	89176	1.58%	0.330%
319	20.004	19.995	20.038	VV	2153	51022	0.90%	0.189%
320	20.072	20.038	20.091	VV	2189	64263	1.14%	0.238%
321	20.112	20.091	20.168	VV	2329	93799	1.66%	0.347%
322	20.200	20.168	20.229	VV	6902	148979	2.64%	0.551%
323	20.260	20.229	20.293	VV	2659	90599	1.60%	0.335%
324	20.334	20.293	20.354	VV	2656	89691	1.59%	0.332%
325	20.361	20.354	20.399	VV	2540	64387	1.14%	0.238%
326	20.434	20.399	20.448	VV	2494	70502	1.25%	0.261%
327	20.468	20.448	20.524	VV	2651	111090	1.97%	0.411%
328	20.564	20.524	20.620	VV	3952	153712	2.72%	0.569%
329	20.646	20.620	20.664	VV	2197	54662	0.97%	0.202%
330	20.748	20.664	20.802	VV	2409	183287	3.24%	0.678%
331	20.816	20.802	20.836	VV	2189	42455	0.75%	0.157%
332	20.874	20.836	20.924	VV	2133	102853	1.82%	0.381%
333	20.968	20.924	21.057	VV	5620	209554	3.71%	0.776%
334	21.066	21.057	21.079	VV	1626	20014	0.35%	0.074%
335	21.117	21.079	21.161	VV	1640	76688	1.36%	0.284%
336	21.174	21.161	21.204	VV	1601	36985	0.65%	0.137%
337	21.243	21.204	21.258	VV	1364	42493	0.75%	0.157%
338	21.266	21.258	21.280	VV	1256	16187	0.29%	0.060%
339	21.324	21.280	21.384	VV	1490	78806	1.39%	0.292%
340	21.420	21.384	21.468	VV	1775	68852	1.22%	0.255%
341	21.481	21.468	21.490	VV	1117	14237	0.25%	0.053%
342	21.521	21.490	21.568	VV	1176	50168	0.89%	0.186%
343	21.575	21.568	21.605	VV	998	21392	0.38%	0.079%
344	21.618	21.605	21.658	VV	976	28769	0.51%	0.106%
345	21.670	21.658	21.734	VV	938	35445	0.63%	0.131%
346	21.741	21.734	21.784	VV	770	21631	0.38%	0.080%
347	21.814	21.784	21.844	VV	960	29614	0.52%	0.110%
348	21.856	21.844	21.869	VV	692	9396	0.17%	0.035%
349	21.937	21.869	22.001	VV	5767	164136	2.90%	0.608%
350	22.013	22.001	22.061	VV	737	20525	0.36%	0.076%
351	22.076	22.061	22.088	VV	489	7008	0.12%	0.026%

					rteres				
352	22.092	22.088	22.124	VV	487	8283	0.15%	0.031%	
353	22.137	22.124	22.157	VV	486	7098	0.13%	0.026%	
354	22.168	22.157	22.248	VV	398	17533	0.31%	0.065%	
355	22.259	22.248	22.263	VV	345	2900	0.05%	0.011%	
356	22.294	22.263	22.418	VV	483	22855	0.40%	0.085%	
					Sum of corrected areas:	27015288			

Aliphatic EPH 052425.M Fri Jun 13 03:35:43 2025

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
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
FD049482.D	1	06/11/25	06/13/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.46	J	0.14	0.79	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.63	J	0.27	1.19	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.27		0.47	1.98	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.89	J	1.41	3.16	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	23.8		40 - 140	48%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	21.8		40 - 140	44%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.6		40 - 140	83%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2177-02	Acq On:	13 Jun 2025 08:25
Client Sample ID:	B-187-SB01	Operator:	YP/AJ
Data file:	FD049482.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.424	6.168	980709	5.86	200	ug/ml
Aromatic C12-C16	6.169	8.796	1494000	7.967	300	ug/ml
Aromatic C16-C21	8.797	13.086	5301973	28.7	500	ug/ml
Aromatic C21-C36	13.087	18.508	3472592	23.939	800	ug/ml
Aromatic EPH	4.424	18.508	11249274	66.466		ug/ml
2-Bromonaphthalene (SURR)	7.732	7.732	3952894	23.78		ug/ml
2-Fluorobiphenyl (SURR)	8.597	8.597	2498647	21.84		ug/ml
ortho-Terphenyl (SURR)	11.646	11.646	8349277	41.6		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
 Data File : FD049482.D
 Signal(s) : FID2B.ch
 Acq On : 13 Jun 2025 08:25
 Operator : YP/AJ
 Sample : Q2177-02
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

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

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.732	3952894	23.779 ug/ml
Spiked Amount 50.000		Recovery =	47.56%
6) S 2-Fluorobiphenyl (SURR)	8.597	2498647	21.842 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.68%
11) S ortho-Terphenyl (SURR)	11.646	8349277	41.596 ug/ml
Spiked Amount 50.000		Recovery =	83.19%

Target Compounds

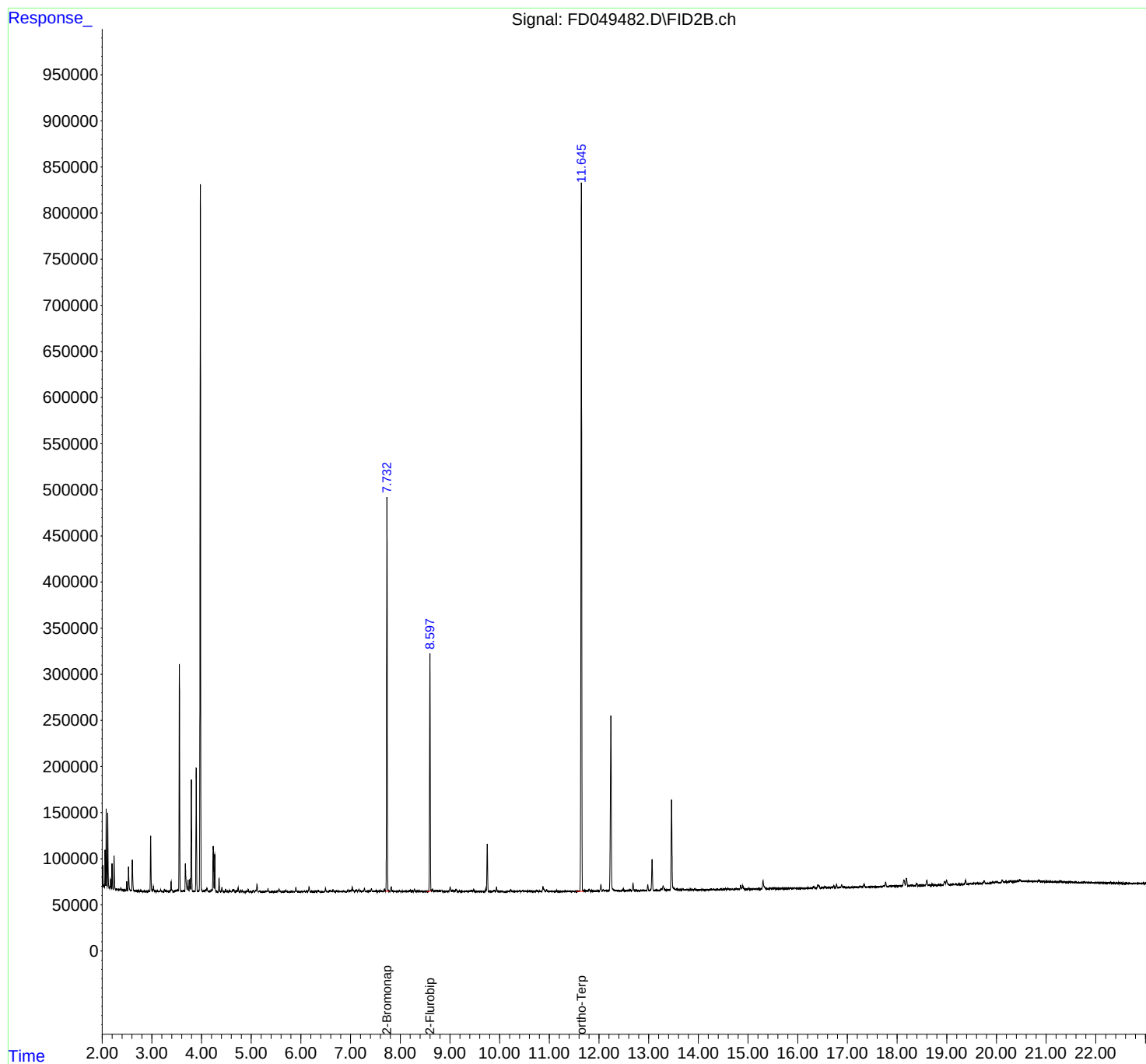
(f)=RT Delta > 1/2 Window

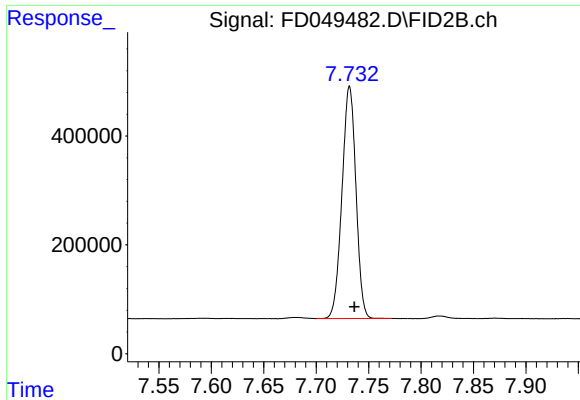
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
Data File : FD049482.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 08:25
Operator : YP/AJ
Sample : Q2177-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

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

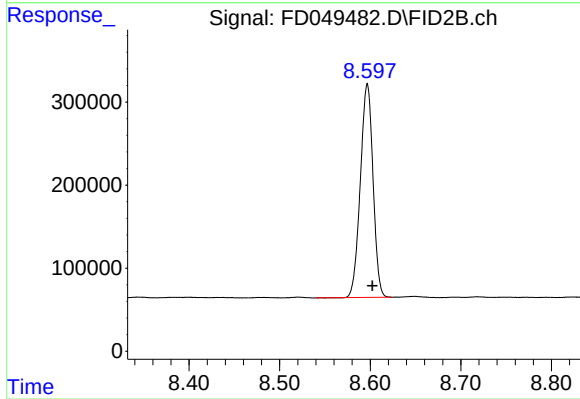
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm





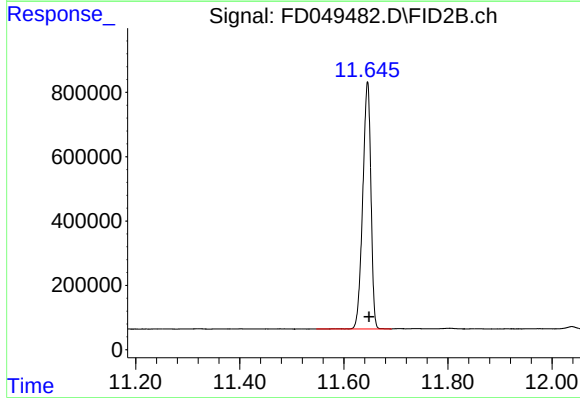
#4 2-Bromonaphthalene (SURRE)

R.T.: 7.732 min
Delta R.T.: -0.004 min
Response: 3952894
Conc: 23.78 ug/ml



#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.597 min
Delta R.T.: -0.005 min
Response: 2498647
Conc: 21.84 ug/ml



#11 ortho-Terphenyl (SURRE)

R.T.: 11.646 min
Delta R.T.: -0.003 min
Response: 8349277
Conc: 41.60 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
Data File : FD049482.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 08:25
Sample : Q2177-02
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.266	4.252	4.328	PH	40797	347734	4.16%	1.294%
2	4.353	4.328	4.394	PV	14659	128960	1.54%	0.480%
3	4.409	4.394	4.451	VV	4750	48031	0.57%	0.179%
4	4.482	4.461	4.500	VV	3140	30910	0.37%	0.115%
5	4.518	4.500	4.544	VV	1478	18745	0.22%	0.070%
6	4.560	4.544	4.588	VV	2128	24476	0.29%	0.091%
7	4.597	4.588	4.610	VV	605	5771	0.07%	0.021%
8	4.626	4.610	4.638	VV	2569	23718	0.28%	0.088%
9	4.650	4.638	4.674	VV	2890	31488	0.38%	0.117%
10	4.686	4.674	4.690	VV	623	4414	0.05%	0.016%
11	4.706	4.690	4.719	VV	2202	23636	0.28%	0.088%
12	4.736	4.719	4.759	VV	4863	48593	0.58%	0.181%
13	4.763	4.759	4.769	VV	360	1799	0.02%	0.007%
14	4.788	4.769	4.805	VV	2294	25410	0.30%	0.095%
15	4.816	4.805	4.829	VV	1262	12119	0.14%	0.045%
16	4.833	4.829	4.840	VV	486	2186	0.03%	0.008%
17	4.858	4.840	4.873	VV	629	6493	0.08%	0.024%
18	4.898	4.873	4.913	PV	881	10209	0.12%	0.038%
19	4.940	4.913	4.968	VV	2497	35437	0.42%	0.132%
20	4.979	4.968	5.003	VV	854	11444	0.14%	0.043%
21	5.012	5.003	5.020	VV	422	3090	0.04%	0.011%
22	5.040	5.020	5.074	VV	2339	34250	0.41%	0.127%
23	5.090	5.074	5.100	VV	2051	22054	0.26%	0.082%
24	5.116	5.100	5.150	VV	8553	96687	1.16%	0.360%
25	5.172	5.150	5.199	VV	1655	22330	0.27%	0.083%
26	5.225	5.199	5.255	VV	725	13225	0.16%	0.049%
27	5.282	5.255	5.289	VV	707	10286	0.12%	0.038%
28	5.293	5.289	5.300	VV	697	3710	0.04%	0.014%
29	5.310	5.300	5.322	VV	727	8303	0.10%	0.031%
30	5.337	5.322	5.372	VV	3862	42224	0.51%	0.157%
31	5.389	5.372	5.407	VV	548	8635	0.10%	0.032%
32	5.430	5.407	5.455	VV	624	11665	0.14%	0.043%
33	5.461	5.455	5.472	VV	438	3187	0.04%	0.012%
34	5.482	5.472	5.497	VV	515	6471	0.08%	0.024%
35	5.517	5.497	5.532	VV	1844	20695	0.25%	0.077%
36	5.560	5.532	5.581	VV	3295	51486	0.62%	0.192%

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37	5.585	5.581	5.604	VV	739	6880	0.08%	0.026%
38	5.619	5.604	5.639	VV	827	11513	0.14%	0.043%
39	5.649	5.639	5.659	VV	583	4909	0.06%	0.018%
40	5.696	5.659	5.744	VV	2294	40153	0.48%	0.149%
41	5.767	5.744	5.784	VV	555	10004	0.12%	0.037%
42	5.814	5.784	5.844	VV	820	18272	0.22%	0.068%
43	5.845	5.844	5.849	VV	385	1124	0.01%	0.004%
44	5.872	5.849	5.883	VV	660	10353	0.12%	0.039%
45	5.898	5.883	5.945	VV	5018	57684	0.69%	0.215%
46	5.949	5.945	5.963	VV	444	4276	0.05%	0.016%
47	5.970	5.963	5.988	VV	565	5951	0.07%	0.022%
48	6.010	5.988	6.024	VV	832	12272	0.15%	0.046%
49	6.026	6.024	6.035	VV	576	3295	0.04%	0.012%
50	6.069	6.035	6.092	VV	1573	27504	0.33%	0.102%
51	6.115	6.092	6.136	VV	1292	19516	0.23%	0.073%
52	6.166	6.136	6.188	VV	5608	71857	0.86%	0.267%
53	6.218	6.188	6.244	VV	1092	20650	0.25%	0.077%
54	6.259	6.244	6.267	VV	464	5462	0.07%	0.020%
55	6.291	6.267	6.323	VV	876	19222	0.23%	0.072%
56	6.343	6.323	6.365	VV	1900	27290	0.33%	0.102%
57	6.371	6.365	6.392	VV	790	8893	0.11%	0.033%
58	6.395	6.392	6.402	VV	462	2391	0.03%	0.009%
59	6.411	6.402	6.425	VV	409	4826	0.06%	0.018%
60	6.430	6.425	6.437	VV	476	2685	0.03%	0.010%
61	6.450	6.437	6.474	VV	439	8345	0.10%	0.031%
62	6.496	6.474	6.525	VV	4369	49129	0.59%	0.183%
63	6.533	6.525	6.539	VV	502	3981	0.05%	0.015%
64	6.542	6.539	6.545	VV	481	1698	0.02%	0.006%
65	6.549	6.545	6.560	VV	584	4162	0.05%	0.015%
66	6.586	6.560	6.603	VV	2189	34236	0.41%	0.127%
67	6.616	6.603	6.627	VV	1033	11649	0.14%	0.043%
68	6.646	6.627	6.668	VV	2926	34966	0.42%	0.130%
69	6.679	6.668	6.699	VV	828	10578	0.13%	0.039%
70	6.718	6.699	6.736	VV	1610	18946	0.23%	0.071%
71	6.751	6.736	6.784	VV	1146	19113	0.23%	0.071%
72	6.825	6.784	6.841	VV	980	22178	0.27%	0.083%
73	6.864	6.841	6.915	VV	942	28834	0.34%	0.107%
74	6.940	6.915	6.945	VV	1485	14935	0.18%	0.056%
75	6.955	6.945	6.974	VV	1484	21265	0.25%	0.079%
76	6.993	6.974	7.006	VV	2054	28781	0.34%	0.107%
77	7.034	7.006	7.085	VV	5085	98044	1.17%	0.365%
78	7.118	7.085	7.138	VV	2766	48042	0.57%	0.179%
79	7.170	7.138	7.185	VV	3042	48508	0.58%	0.181%
80	7.197	7.185	7.212	VV	1436	16349	0.20%	0.061%
81	7.221	7.212	7.242	VV	920	12746	0.15%	0.047%
82	7.279	7.242	7.312	VV	4229	68259	0.82%	0.254%
83	7.317	7.312	7.324	VV	526	3263	0.04%	0.012%
84	7.334	7.324	7.368	VV	1194	22282	0.27%	0.083%
85	7.384	7.368	7.397	VV	1228	14616	0.17%	0.054%
86	7.418	7.397	7.444	VV	3590	51830	0.62%	0.193%
87	7.454	7.444	7.464	VV	909	9857	0.12%	0.037%
88	7.481	7.464	7.487	VV	1170	13132	0.16%	0.049%
89	7.490	7.487	7.495	VV	1053	4171	0.05%	0.016%

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90	7.509	7.495	7.529	VV	1413	21507	0.26%	0.080%
91	7.538	7.529	7.559	VV	758	11759	0.14%	0.044%
92	7.592	7.559	7.606	VV	1440	27391	0.33%	0.102%
93	7.620	7.606	7.628	VV	1059	12298	0.15%	0.046%
94	7.633	7.628	7.643	VV	896	7104	0.08%	0.026%
95	7.649	7.643	7.654	VV	786	4294	0.05%	0.016%
96	7.655	7.654	7.664	VV	767	4132	0.05%	0.015%
97	7.681	7.664	7.700	VV	2894	39723	0.48%	0.148%
98	7.732	7.700	7.779	VV	427622	3997153	47.82%	14.878%
99	7.783	7.779	7.797	VV	955	8092	0.10%	0.030%
100	7.818	7.797	7.856	VV	5606	79088	0.95%	0.294%
101	7.871	7.856	7.891	VV	1577	21846	0.26%	0.081%
102	7.896	7.891	7.921	VV	912	12068	0.14%	0.045%
103	7.939	7.921	7.962	VV	955	14455	0.17%	0.054%
104	7.983	7.962	8.011	VV	1673	22602	0.27%	0.084%
105	8.040	8.011	8.055	VV	1351	18182	0.22%	0.068%
106	8.075	8.055	8.092	VV	900	14923	0.18%	0.056%
107	8.112	8.092	8.133	VV	1063	18062	0.22%	0.067%
108	8.136	8.133	8.150	VV	554	5436	0.07%	0.020%
109	8.154	8.150	8.158	VV	571	2485	0.03%	0.009%
110	8.197	8.158	8.234	VV	1562	48532	0.58%	0.181%
111	8.245	8.234	8.268	VV	956	14108	0.17%	0.053%
112	8.286	8.268	8.307	VV	3315	39754	0.48%	0.148%
113	8.314	8.307	8.319	VV	580	3860	0.05%	0.014%
114	8.344	8.319	8.365	VV	1331	22323	0.27%	0.083%
115	8.384	8.365	8.393	VV	1005	14017	0.17%	0.052%
116	8.399	8.393	8.424	VV	1142	16616	0.20%	0.062%
117	8.435	8.424	8.464	VV	894	15304	0.18%	0.057%
118	8.483	8.464	8.502	VV	925	15198	0.18%	0.057%
119	8.521	8.502	8.537	VV	1259	16417	0.20%	0.061%
120	8.597	8.537	8.625	VV	258318	2539556	30.38%	9.452%
121	8.649	8.625	8.676	VV	2154	43923	0.53%	0.163%
122	8.694	8.676	8.705	VV	1276	17213	0.21%	0.064%
123	8.719	8.705	8.739	VV	1712	25706	0.31%	0.096%
124	8.747	8.739	8.764	VV	1215	16781	0.20%	0.062%
125	8.773	8.764	8.784	VV	1174	11948	0.14%	0.044%
126	8.796	8.784	8.805	VV	1020	11539	0.14%	0.043%
127	8.824	8.805	8.836	VV	1394	20850	0.25%	0.078%
128	8.840	8.836	8.872	VV	1295	16890	0.20%	0.063%
129	8.893	8.872	8.909	VV	794	13291	0.16%	0.049%
130	8.915	8.909	8.928	VV	568	5980	0.07%	0.022%
131	8.938	8.928	8.953	VV	799	9798	0.12%	0.036%
132	8.970	8.953	8.976	VV	811	8932	0.11%	0.033%
133	9.005	8.976	9.030	VV	5376	78731	0.94%	0.293%
134	9.043	9.030	9.056	VV	1515	19505	0.23%	0.073%
135	9.064	9.056	9.083	VV	1241	16109	0.19%	0.060%
136	9.124	9.083	9.160	VV	2924	63996	0.77%	0.238%
137	9.168	9.160	9.178	VV	733	6532	0.08%	0.024%
138	9.191	9.178	9.222	VV	1059	18407	0.22%	0.069%
139	9.246	9.222	9.267	VV	923	14522	0.17%	0.054%
140	9.290	9.267	9.314	VV	890	17317	0.21%	0.064%
141	9.330	9.314	9.370	VV	895	20198	0.24%	0.075%

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142	9.394	9.370	9.400	VV	948	12768	0.15%	0.048%
143	9.408	9.400	9.415	VV	894	7739	0.09%	0.029%
144	9.430	9.415	9.455	VV	1427	25151	0.30%	0.094%
145	9.474	9.455	9.497	VV	2007	33154	0.40%	0.123%
146	9.502	9.497	9.517	VV	589	5899	0.07%	0.022%
147	9.521	9.517	9.538	VV	549	5973	0.07%	0.022%
148	9.572	9.538	9.597	VV	870	19543	0.23%	0.073%
149	9.612	9.597	9.622	VV	757	9428	0.11%	0.035%
150	9.626	9.622	9.650	VV	707	9785	0.12%	0.036%
151	9.655	9.650	9.675	VV	536	7054	0.08%	0.026%
152	9.681	9.675	9.693	VV	566	5059	0.06%	0.019%
153	9.720	9.693	9.732	VV	3594	40897	0.49%	0.152%
154	9.751	9.732	9.783	VV	52028	527561	6.31%	1.964%
155	9.798	9.783	9.829	VV	664	15424	0.18%	0.057%
156	9.834	9.829	9.860	VV	523	6342	0.08%	0.024%
157	9.897	9.860	9.916	VV	1422	30274	0.36%	0.113%
158	9.938	9.916	9.961	VV	5204	58581	0.70%	0.218%
159	9.966	9.961	9.977	VV	721	5736	0.07%	0.021%
160	9.984	9.977	10.012	VV	611	8396	0.10%	0.031%
161	10.022	10.012	10.027	VV	417	2818	0.03%	0.010%
162	10.031	10.027	10.034	VV	361	1106	0.01%	0.004%
163	10.042	10.034	10.047	VV	334	2622	0.03%	0.010%
164	10.056	10.047	10.092	VV	458	7010	0.08%	0.026%
165	10.106	10.092	10.118	PV	329	2345	0.03%	0.009%
166	10.133	10.118	10.150	VV	422	5385	0.06%	0.020%
167	10.159	10.150	10.165	VV	437	2812	0.03%	0.010%
168	10.224	10.165	10.246	VV	2800	46189	0.55%	0.172%
169	10.250	10.246	10.258	VV	604	3622	0.04%	0.013%
170	10.271	10.258	10.292	VV	730	11618	0.14%	0.043%
171	10.310	10.292	10.327	VV	718	10846	0.13%	0.040%
172	10.331	10.327	10.339	VV	521	3400	0.04%	0.013%
173	10.354	10.339	10.382	VV	776	17454	0.21%	0.065%
174	10.402	10.382	10.421	VV	1360	20197	0.24%	0.075%
175	10.466	10.421	10.495	VV	1682	38628	0.46%	0.144%
176	10.521	10.495	10.537	VV	921	18288	0.22%	0.068%
177	10.569	10.537	10.587	VV	787	18605	0.22%	0.069%
178	10.605	10.587	10.632	VV	1059	21306	0.25%	0.079%
179	10.642	10.632	10.655	VV	623	6715	0.08%	0.025%
180	10.675	10.655	10.695	VV	858	13715	0.16%	0.051%
181	10.713	10.695	10.727	VV	874	12634	0.15%	0.047%
182	10.753	10.727	10.775	VV	1377	25929	0.31%	0.097%
183	10.778	10.775	10.794	VV	562	5107	0.06%	0.019%
184	10.814	10.794	10.834	VV	702	13129	0.16%	0.049%
185	10.872	10.834	10.921	VV	5955	112971	1.35%	0.420%
186	10.947	10.921	10.978	VV	2220	39681	0.47%	0.148%
187	10.990	10.978	11.004	VV	640	8947	0.11%	0.033%
188	11.008	11.004	11.013	VV	472	2249	0.03%	0.008%
189	11.031	11.013	11.042	VV	713	10355	0.12%	0.039%
190	11.045	11.042	11.061	VV	674	6618	0.08%	0.025%
191	11.068	11.061	11.099	VV	549	8984	0.11%	0.033%
192	11.105	11.099	11.110	VV	409	2180	0.03%	0.008%
193	11.125	11.110	11.143	VV	588	9113	0.11%	0.034%
194	11.156	11.143	11.181	VV	1138	14976	0.18%	0.056%

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195	11.187	11.181	11.193	VV	407	1804	0.02%	0.007%
196	11.199	11.193	11.208	VV	300	1483	0.02%	0.006%
197	11.220	11.208	11.226	VV	309	1945	0.02%	0.007%
198	11.238	11.226	11.241	VV	405	2173	0.03%	0.008%
199	11.251	11.241	11.278	VV	563	7752	0.09%	0.029%
200	11.292	11.278	11.304	VV	490	5042	0.06%	0.019%
201	11.319	11.304	11.343	VV	1057	13368	0.16%	0.050%
202	11.377	11.343	11.387	PV	617	10422	0.12%	0.039%
203	11.402	11.387	11.427	VV	713	12726	0.15%	0.047%
204	11.431	11.427	11.436	VV	439	1918	0.02%	0.007%
205	11.439	11.436	11.451	VV	374	2612	0.03%	0.010%
206	11.478	11.451	11.507	VV	634	11266	0.13%	0.042%
207	11.524	11.507	11.534	VV	374	3721	0.04%	0.014%
208	11.560	11.534	11.565	VV	378	4848	0.06%	0.018%
209	11.579	11.565	11.609	VV	733	15102	0.18%	0.056%
210	11.646	11.609	11.692	VV	768969	8359387	100.00%	31.114%
211	11.707	11.692	11.720	VV	1224	15239	0.18%	0.057%
212	11.739	11.720	11.764	VV	1123	21865	0.26%	0.081%
213	11.804	11.764	11.837	VV	2352	46942	0.56%	0.175%
214	11.852	11.837	11.878	VV	812	11239	0.13%	0.042%
215	11.901	11.878	11.905	VV	345	3522	0.04%	0.013%
216	11.913	11.905	11.930	VV	503	5201	0.06%	0.019%
217	11.937	11.930	11.942	VV	330	2245	0.03%	0.008%
218	11.977	11.942	12.008	VV	889	20678	0.25%	0.077%
219	12.038	12.008	12.062	VV	7271	94762	1.13%	0.353%
220	12.083	12.062	12.113	VV	1825	28706	0.34%	0.107%
221	12.142	12.113	12.177	VV	962	20327	0.24%	0.076%
222	12.240	12.177	12.317	VV	190636	2482838	29.70%	9.241%
223	12.322	12.317	12.342	VV	821	9917	0.12%	0.037%
224	12.356	12.342	12.373	VV	758	11545	0.14%	0.043%
225	12.393	12.373	12.412	VV	771	12342	0.15%	0.046%
226	12.421	12.412	12.443	VV	570	7427	0.09%	0.028%
227	12.489	12.443	12.509	VV	2143	35934	0.43%	0.134%
228	12.517	12.509	12.539	VV	687	6448	0.08%	0.024%
229	12.569	12.539	12.589	VV	1083	17846	0.21%	0.066%
230	12.626	12.589	12.649	VV	1174	21250	0.25%	0.079%
231	12.686	12.649	12.712	VV	8208	102552	1.23%	0.382%
232	12.717	12.712	12.735	VV	593	5257	0.06%	0.020%
233	12.747	12.735	12.810	VV	715	11672	0.14%	0.043%
234	12.881	12.824	12.902	VV	967	21659	0.26%	0.081%
235	12.908	12.902	12.925	VV	678	7689	0.09%	0.029%
236	12.930	12.925	12.936	VV	419	2447	0.03%	0.009%
237	12.945	12.936	12.961	VV	379	4750	0.06%	0.018%
238	12.983	12.961	13.008	VV	6497	73019	0.87%	0.272%
239	13.037	13.008	13.042	VV	980	11220	0.13%	0.042%
240	13.069	13.042	13.107	VV	33911	395877	4.74%	1.473%
241	13.118	13.107	13.127	VV	287	2804	0.03%	0.010%
242	13.158	13.127	13.180	VV	620	11875	0.14%	0.044%
243	13.183	13.180	13.201	VV	424	3281	0.04%	0.012%
244	13.254	13.201	13.267	VV	2285	36760	0.44%	0.137%
245	13.290	13.267	13.333	VV	5053	98875	1.18%	0.368%
246	13.337	13.333	13.341	VV	927	3919	0.05%	0.015%

					rteres			
247	13.353	13.341	13.367	VV	1025	12730	0.15%	0.047%
248	13.370	13.367	13.398	VV	781	10815	0.13%	0.040%
249	13.416	13.398	13.424	VV	740	8970	0.11%	0.033%
250	13.461	13.424	13.506	VV	98432	1218042	14.57%	4.534%
251	13.511	13.506	13.554	VV	2080	41763	0.50%	0.155%
252	13.569	13.554	13.603	VV	1585	29382	0.35%	0.109%
253	13.639	13.603	13.658	VV	1053	22228	0.27%	0.083%
254	13.676	13.658	13.680	VV	1172	10266	0.12%	0.038%
255	13.685	13.680	13.728	VV	1246	18651	0.22%	0.069%
256	13.733	13.728	13.740	VV	404	2384	0.03%	0.009%
257	13.770	13.740	13.797	VV	1366	23300	0.28%	0.087%
258	13.823	13.797	13.840	VV	1124	18432	0.22%	0.069%
259	13.849	13.840	13.862	VV	703	7527	0.09%	0.028%
260	13.890	13.862	13.900	VV	742	12216	0.15%	0.045%
261	13.929	13.900	13.947	VV	1483	22771	0.27%	0.085%
262	13.954	13.947	13.978	VV	502	6165	0.07%	0.023%
263	13.990	13.985	14.007	VV	332	2260	0.03%	0.008%
264	14.019	14.007	14.024	VV	244	1693	0.02%	0.006%
265	14.031	14.024	14.039	VV	303	1983	0.02%	0.007%
266	14.043	14.039	14.055	VV	371	3048	0.04%	0.011%
267	14.060	14.055	14.081	VV	485	5605	0.07%	0.021%
268	14.084	14.081	14.107	VV	352	3942	0.05%	0.015%
269	14.110	14.107	14.128	VV	300	1710	0.02%	0.006%
270	14.154	14.128	14.174	PV	303	3757	0.04%	0.014%
271	14.181	14.174	14.195	VV	314	2343	0.03%	0.009%
272	14.214	14.195	14.237	VV	705	9466	0.11%	0.035%
273	14.255	14.237	14.280	VV	928	15358	0.18%	0.057%
274	14.298	14.280	14.327	VV	969	16100	0.19%	0.060%
275	14.342	14.327	14.365	VV	427	5359	0.06%	0.020%
276	14.384	14.365	14.389	VV	569	5417	0.06%	0.020%
277	14.393	14.389	14.419	VV	567	6458	0.08%	0.024%
278	14.438	14.419	14.462	VV	1066	15393	0.18%	0.057%
279	14.472	14.462	14.498	VV	695	10890	0.13%	0.041%
280	14.511	14.498	14.523	VV	496	5852	0.07%	0.022%
281	14.544	14.523	14.572	VV	1362	21144	0.25%	0.079%
282	14.603	14.572	14.632	VV	1495	30762	0.37%	0.114%
283	14.644	14.632	14.652	VV	465	4570	0.05%	0.017%
284	14.680	14.652	14.692	VV	479	8841	0.11%	0.033%
285	14.698	14.692	14.704	VV	496	2903	0.03%	0.011%
286	14.708	14.704	14.717	VV	418	2697	0.03%	0.010%
287	14.729	14.717	14.740	VV	571	6772	0.08%	0.025%
288	14.758	14.740	14.796	VV	1347	20936	0.25%	0.078%
289	14.800	14.796	14.819	VV	347	3048	0.04%	0.011%
290	14.851	14.819	14.871	VV	4339	58456	0.70%	0.218%
291	14.894	14.871	14.914	VV	4083	58341	0.70%	0.217%
292	14.919	14.914	14.940	VV	1092	10536	0.13%	0.039%
293	14.946	14.940	14.949	VV	416	1746	0.02%	0.006%
294	14.952	14.949	14.956	VV	463	1530	0.02%	0.006%
295	14.965	14.956	14.984	VV	513	5741	0.07%	0.021%
296	15.017	14.984	15.046	VV	709	13349	0.16%	0.050%
297	15.060	15.046	15.073	VV	190	2287	0.03%	0.009%
298	15.092	15.073	15.125	VV	567	8017	0.10%	0.030%
299	15.151	15.137	15.168	VV	548	5812	0.07%	0.022%

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300	15.180	15.168	15.188	VV	328	3059	0.04%	0.011%
301	15.194	15.188	15.201	VV	337	2009	0.02%	0.007%
302	15.213	15.201	15.231	VV	399	4867	0.06%	0.018%
303	15.244	15.231	15.257	VV	221	2335	0.03%	0.009%
304	15.301	15.257	15.379	VV	8492	176405	2.11%	0.657%
305	15.453	15.379	15.474	VV	990	30288	0.36%	0.113%
306	15.484	15.474	15.493	VV	338	3712	0.04%	0.014%
307	15.499	15.493	15.507	VV	588	3742	0.04%	0.014%
308	15.523	15.507	15.552	VV	920	16590	0.20%	0.062%
309	15.557	15.552	15.590	VV	602	8506	0.10%	0.032%
310	15.606	15.590	15.625	VV	503	6587	0.08%	0.025%
311	15.644	15.625	15.650	VV	435	4734	0.06%	0.018%
312	15.670	15.650	15.677	VV	962	8723	0.10%	0.032%
313	15.683	15.677	15.709	VV	745	9770	0.12%	0.036%
314	15.712	15.709	15.722	VV	388	2619	0.03%	0.010%
315	15.760	15.722	15.781	VV	559	14071	0.17%	0.052%
316	15.786	15.781	15.789	VV	481	2040	0.02%	0.008%
317	15.798	15.789	15.837	VV	482	11310	0.14%	0.042%
318	15.845	15.837	15.856	VV	422	3985	0.05%	0.015%
319	15.873	15.856	15.887	VV	660	8089	0.10%	0.030%
320	15.900	15.887	15.912	VV	463	5117	0.06%	0.019%
321	15.939	15.912	15.964	VV	1117	17469	0.21%	0.065%
322	15.968	15.964	15.975	VV	180	1280	0.02%	0.005%
323	15.986	15.975	15.993	VV	372	2459	0.03%	0.009%
324	15.997	15.993	16.001	VV	325	1230	0.01%	0.005%
325	16.004	16.001	16.008	VV	276	1285	0.02%	0.005%
326	16.015	16.008	16.020	VV	319	1918	0.02%	0.007%
327	16.024	16.020	16.047	VV	309	2015	0.02%	0.008%
328	16.081	16.047	16.109	PV	387	8197	0.10%	0.031%
329	16.124	16.109	16.146	VV	463	6107	0.07%	0.023%
330	16.157	16.146	16.175	VV	237	2189	0.03%	0.008%
331	16.187	16.175	16.208	VV	572	5070	0.06%	0.019%
332	16.219	16.208	16.224	VV	267	1624	0.02%	0.006%
333	16.242	16.224	16.254	VV	378	4633	0.06%	0.017%
334	16.321	16.254	16.354	VV	1392	36215	0.43%	0.135%
335	16.374	16.354	16.378	VV	539	5101	0.06%	0.019%
336	16.404	16.378	16.421	VV	3765	58510	0.70%	0.218%
337	16.429	16.421	16.463	VV	2557	32681	0.39%	0.122%
338	16.499	16.463	16.519	VV	997	18159	0.22%	0.068%
339	16.546	16.519	16.580	VV	1166	28821	0.34%	0.107%
340	16.597	16.580	16.610	VV	496	8112	0.10%	0.030%
341	16.620	16.610	16.657	VV	680	12032	0.14%	0.045%
342	16.726	16.657	16.752	VV	2278	44187	0.53%	0.164%
343	16.781	16.752	16.808	VV	3820	49625	0.59%	0.185%
344	16.814	16.808	16.830	VV	372	3573	0.04%	0.013%
345	16.854	16.830	16.859	VV	434	5593	0.07%	0.021%
346	16.884	16.859	16.914	VV	3271	44594	0.53%	0.166%
347	16.936	16.914	16.967	VV	1268	20078	0.24%	0.075%
348	16.998	16.967	17.011	VV	368	6641	0.08%	0.025%
349	17.017	17.011	17.049	VV	445	6159	0.07%	0.023%
350	17.076	17.063	17.085	PV	182	1339	0.02%	0.005%
351	17.109	17.085	17.116	VV	286	2963	0.04%	0.011%

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352	17.146	17.116	17.169	VV	573	12977	0.16%	0.048%	
353	17.174	17.169	17.182	VV	473	3520	0.04%	0.013%	
354	17.205	17.182	17.220	VV	429	8028	0.10%	0.030%	
355	17.222	17.220	17.234	VV	376	1967	0.02%	0.007%	
356	17.258	17.234	17.267	VV	730	10350	0.12%	0.039%	
357	17.274	17.267	17.293	VV	617	8263	0.10%	0.031%	
358	17.334	17.293	17.382	VV	3545	60065	0.72%	0.224%	
359	17.394	17.382	17.409	VV	292	3301	0.04%	0.012%	
360	17.442	17.409	17.460	VV	579	11028	0.13%	0.041%	
361	17.467	17.460	17.474	VV	260	1277	0.02%	0.005%	
362	17.485	17.474	17.495	VV	406	3544	0.04%	0.013%	
363	17.515	17.495	17.541	VV	454	8103	0.10%	0.030%	
364	17.556	17.541	17.587	VV	414	7447	0.09%	0.028%	
365	17.599	17.587	17.605	VV	330	2665	0.03%	0.010%	
366	17.620	17.605	17.639	VV	268	3157	0.04%	0.012%	
367	17.668	17.639	17.685	VV	384	3924	0.05%	0.015%	
368	17.723	17.685	17.745	PV	964	19726	0.24%	0.073%	
369	17.769	17.745	17.802	VV	5208	73156	0.88%	0.272%	
370	17.856	17.802	17.891	PV	878	23828	0.29%	0.089%	
371	17.911	17.891	17.921	VV	649	8606	0.10%	0.032%	
372	17.930	17.921	17.938	VV	648	5451	0.07%	0.020%	
373	17.943	17.938	17.951	VV	637	4085	0.05%	0.015%	
374	17.955	17.951	17.963	VV	470	3024	0.04%	0.011%	
375	17.980	17.963	17.985	VV	380	4596	0.05%	0.017%	
376	17.992	17.985	18.022	VV	464	6082	0.07%	0.023%	
377	18.056	18.022	18.075	VV	1000	16688	0.20%	0.062%	
378	18.082	18.075	18.097	VV	432	3978	0.05%	0.015%	
379	18.138	18.097	18.165	VV	6713	136425	1.63%	0.508%	
380	18.188	18.165	18.224	VV	8220	133884	1.60%	0.498%	
381	18.230	18.224	18.252	VV	507	6151	0.07%	0.023%	
382	18.278	18.252	18.293	VV	1079	16507	0.20%	0.061%	
383	18.307	18.293	18.334	VV	991	16160	0.19%	0.060%	
384	18.341	18.334	18.357	VV	426	4430	0.05%	0.016%	
385	18.361	18.357	18.370	VV	370	2248	0.03%	0.008%	
386	18.396	18.370	18.424	VV	3154	42910	0.51%	0.160%	
387	18.431	18.424	18.437	VV	243	1253	0.01%	0.005%	
388	18.464	18.437	18.470	VV	508	8326	0.10%	0.031%	
389	18.473	18.470	18.478	VV	464	2056	0.02%	0.008%	
390	18.489	18.478	18.510	VV	515	7711	0.09%	0.029%	
391	18.531	18.510	18.549	VV	861	12393	0.15%	0.046%	
392	18.557	18.549	18.565	VV	555	4203	0.05%	0.016%	
393	18.600	18.565	18.664	VV	6180	101698	1.22%	0.379%	
394	18.696	18.664	18.710	PV	712	10230	0.12%	0.038%	
395	18.715	18.710	18.769	VV	732	16828	0.20%	0.063%	
396	18.774	18.769	18.787	VV	395	2008	0.02%	0.007%	
397	18.800	18.795	18.814	VV	196	1197	0.01%	0.004%	
398	18.858	18.814	18.884	PV	500	11505	0.14%	0.043%	
399	18.894	18.884	18.914	VV	265	2413	0.03%	0.009%	
400	18.956	18.922	18.979	PV	2734	33985	0.41%	0.126%	

Sum of corrected areas: 26866553

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	62.8
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:45	06/12/25 14:21	PB168408

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.58	J	1	0.22	1.59	mg/kg	FC069186.D
Aliphatic C12-C16	Aliphatic C12-C16	0.82	J	1	0.18	1.06	mg/kg	FC069186.D
Aliphatic C16-C21	Aliphatic C16-C21	0.91	J	1	0.21	1.59	mg/kg	FC069186.D
Aliphatic C21-C28	Aliphatic C21-C28	2.31		1	0.84	2.12	mg/kg	FC069186.D
Aliphatic C28-C40	Aliphatic C28-C40	2.32	J	1	1.88	3.18	mg/kg	FC069186.D
Aromatic C10-C12	Aromatic C10-C12	0.74	J	1	0.19	1.06	mg/kg	FD049460.D
Aromatic C12-C16	Aromatic C12-C16	0.58	J	1	0.37	1.59	mg/kg	FD049460.D
Aromatic C16-C21	Aromatic C16-C21	7.19		1	0.64	2.65	mg/kg	FD049460.D
Aromatic C21-C36	Aromatic C21-C36	5.81		1	1.89	4.24	mg/kg	FD049460.D
Total AliphaticEPH	Total AliphaticEPH	6.95	J		3.33	9.54	mg/kg	
Total AromaticEPH	Total AromaticEPH	14.3			3.08	9.54	mg/kg	
Total EPH	Total EPH	21.3			6.41	19.1	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	62.8
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
FC069186.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.58	J	0.22	1.59	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.82	J	0.18	1.06	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.91	J	0.21	1.59	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	2.31		0.84	2.12	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.32	J	1.88	3.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.6		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2177-04	Acq On:	12 Jun 2025 14:21
Client Sample ID:	B-187-SB02	Operator:	YP/AJ
Data file:	FC069186.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	3.305	6.606	575906	5.448	300	ug/ml
Aliphatic C12-C16	6.607	10.010	791129	7.757	200	ug/ml
Aliphatic C16-C21	10.011	13.380	843112	8.615	300	ug/ml
Aliphatic C21-C28	13.381	17.048	2042466	21.774	400	ug/ml
Aliphatic C28-C40	17.049	22.036	2065583	21.872	600	ug/ml
Aliphatic EPH	3.305	22.036	6318196	65.466		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	2742024	30.56		ug/ml
Aliphatic C9-C28	3.305	17.048	4252613	43.594	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069186.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 14:21
Operator : YP/AJ
Sample : Q2177-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-187-SB02

Integration File: autoint1.e
Quant Time: Jun 13 02:16:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.115	2742024	30.564 ug/ml
Spiked Amount	50.000	Recovery	= 61.13%

Target Compounds

(f)=RT Delta > 1/2 Window

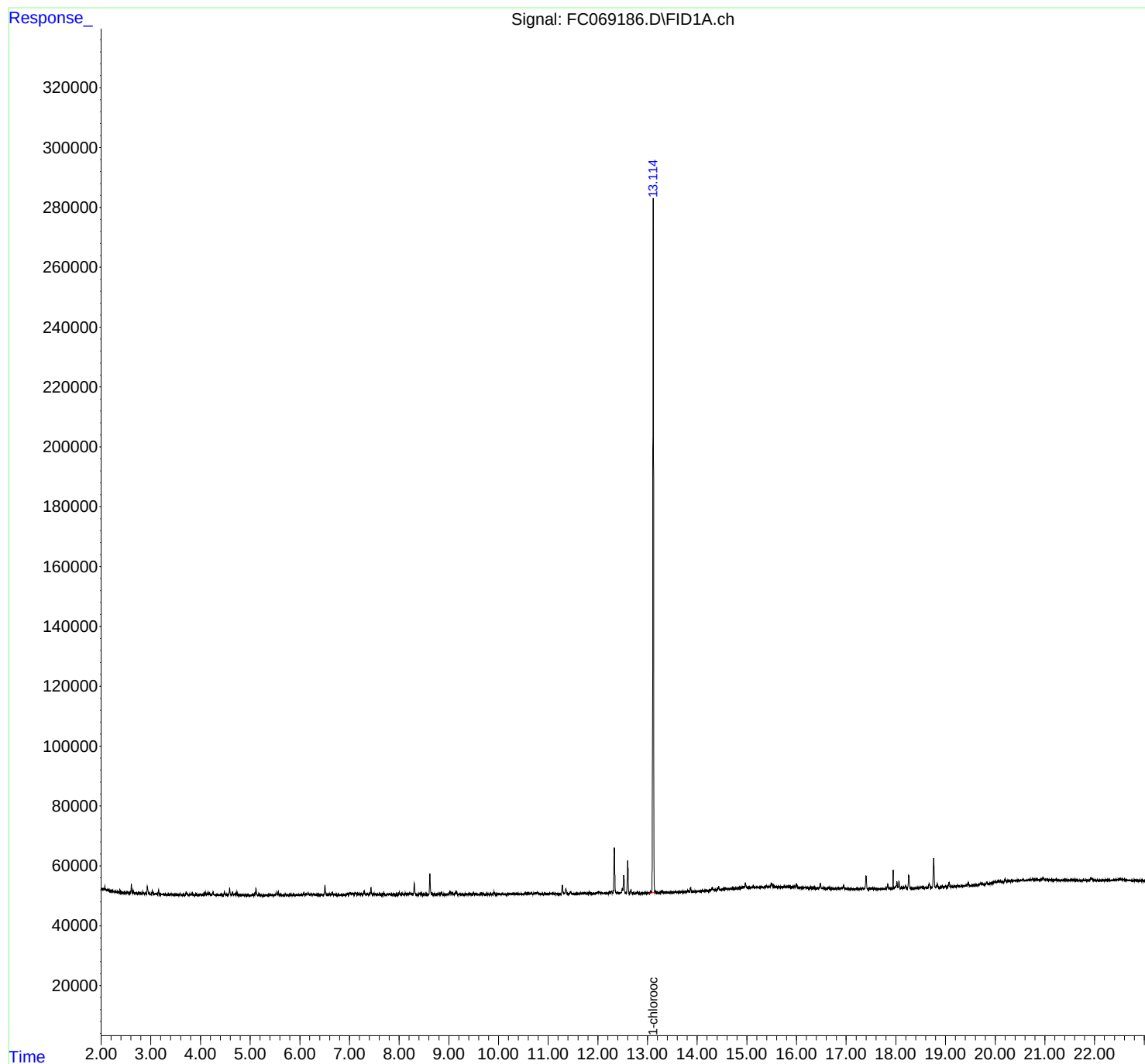
(m)=manual int.

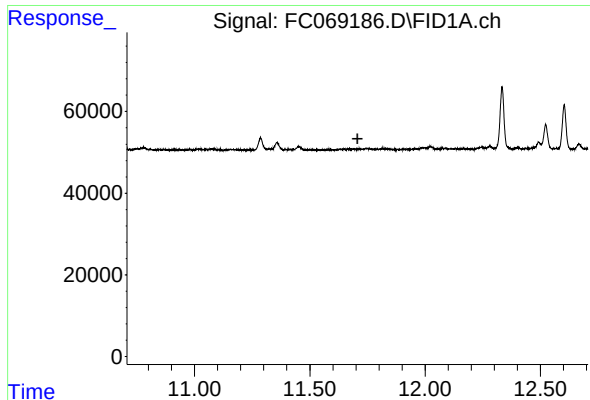
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069186.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 14:21
Operator : YP/AJ
Sample : Q2177-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-187-SB02

Integration File: autoint1.e
Quant Time: Jun 13 02:16:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

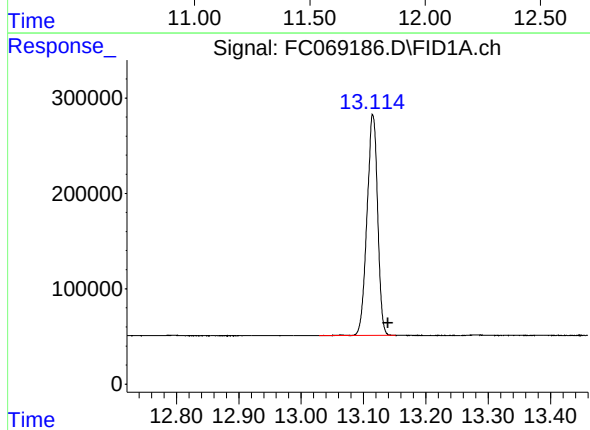




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
B-187-SB02



#12 1-chlorooctadecane (SURR)

R.T.: 13.115 min
Delta R.T.: -0.024 min
Response: 2742024
Conc: 30.56 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069186.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 14:21
Sample : Q2177-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.224	3.204	3.247	BV	114	847	0.03%	0.009%
2	3.262	3.247	3.341	PV	67	2789	0.10%	0.031%
3	3.358	3.341	3.389	VV	67	1002	0.04%	0.011%
4	3.407	3.389	3.480	VV	517	6358	0.23%	0.070%
5	3.512	3.480	3.564	PV	141	3307	0.12%	0.036%
6	3.591	3.564	3.605	VV	389	3611	0.13%	0.040%
7	3.631	3.605	3.644	VV	150	1946	0.07%	0.021%
8	3.652	3.644	3.671	VV	90	1304	0.05%	0.014%
9	3.712	3.671	3.764	VV	1195	15717	0.57%	0.172%
10	3.782	3.764	3.810	VV	347	3947	0.14%	0.043%
11	3.844	3.810	3.874	VV	547	10326	0.37%	0.113%
12	3.906	3.874	3.937	VV	380	6835	0.25%	0.075%
13	3.952	3.937	3.965	VV	184	1580	0.06%	0.017%
14	3.989	3.965	4.051	PV	299	7572	0.27%	0.083%
15	4.081	4.051	4.093	VV	557	7910	0.29%	0.087%
16	4.108	4.093	4.122	VV	896	8868	0.32%	0.097%
17	4.152	4.122	4.164	VV	760	11886	0.43%	0.130%
18	4.178	4.164	4.218	VV	931	12276	0.44%	0.135%
19	4.251	4.218	4.364	VV	931	21960	0.79%	0.241%
20	4.399	4.364	4.428	VV	171	4791	0.17%	0.053%
21	4.436	4.428	4.459	VV	165	2505	0.09%	0.027%
22	4.482	4.459	4.502	VV	1282	14188	0.51%	0.156%
23	4.510	4.502	4.548	VV	336	6864	0.25%	0.075%
24	4.588	4.548	4.617	VV	2594	32001	1.15%	0.351%
25	4.650	4.617	4.694	VV	1010	21493	0.78%	0.236%
26	4.707	4.694	4.722	VV	777	8837	0.32%	0.097%
27	4.737	4.722	4.756	VV	1226	12877	0.46%	0.141%
28	4.768	4.756	4.780	VV	257	2939	0.11%	0.032%
29	4.791	4.780	4.828	VV	246	4558	0.16%	0.050%
30	4.860	4.828	4.882	VV	250	5267	0.19%	0.058%
31	4.906	4.882	4.919	VV	183	3212	0.12%	0.035%
32	4.935	4.919	4.949	VV	215	2425	0.09%	0.027%
33	4.958	4.949	4.988	VV	226	2682	0.10%	0.029%
34	5.016	4.988	5.023	VV	165	2290	0.08%	0.025%
35	5.043	5.023	5.073	VV	280	4666	0.17%	0.051%
36	5.118	5.073	5.154	VV	2484	35153	1.27%	0.386%

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37	5.175	5.154	5.218	VV	589	12107	0.44%	0.133%
38	5.226	5.218	5.266	VV	308	4037	0.15%	0.044%
39	5.289	5.266	5.300	PV	134	1706	0.06%	0.019%
40	5.310	5.300	5.334	VV	203	3271	0.12%	0.036%
41	5.347	5.334	5.375	VV	267	5488	0.20%	0.060%
42	5.414	5.375	5.455	VV	267	9595	0.35%	0.105%
43	5.490	5.455	5.502	VV	276	5257	0.19%	0.058%
44	5.523	5.502	5.544	VV	1079	13889	0.50%	0.152%
45	5.564	5.544	5.606	VV	1053	16924	0.61%	0.186%
46	5.620	5.606	5.635	VV	333	4291	0.15%	0.047%
47	5.659	5.635	5.686	VV	264	6183	0.22%	0.068%
48	5.710	5.686	5.733	VV	495	8516	0.31%	0.093%
49	5.767	5.733	5.794	VV	217	7061	0.25%	0.077%
50	5.811	5.794	5.854	VV	346	9023	0.33%	0.099%
51	5.869	5.854	5.912	VV	328	6890	0.25%	0.076%
52	5.927	5.912	5.961	VV	315	6185	0.22%	0.068%
53	5.983	5.961	6.003	VV	337	6353	0.23%	0.070%
54	6.027	6.003	6.045	VV	349	6733	0.24%	0.074%
55	6.053	6.045	6.060	VV	235	2509	0.09%	0.028%
56	6.080	6.060	6.108	VV	712	12789	0.46%	0.140%
57	6.123	6.108	6.143	VV	671	9346	0.34%	0.102%
58	6.166	6.143	6.201	VV	1006	16510	0.60%	0.181%
59	6.227	6.201	6.254	VV	762	12834	0.46%	0.141%
60	6.300	6.254	6.371	VV	411	18889	0.68%	0.207%
61	6.392	6.371	6.418	VV	236	6069	0.22%	0.067%
62	6.507	6.418	6.568	VV	3410	57390	2.07%	0.629%
63	6.592	6.568	6.635	VV	531	12908	0.47%	0.142%
64	6.657	6.635	6.714	VV	1058	21060	0.76%	0.231%
65	6.730	6.714	6.757	VV	538	7630	0.28%	0.084%
66	6.786	6.757	6.808	VV	260	5586	0.20%	0.061%
67	6.837	6.808	6.865	VV	298	7893	0.28%	0.087%
68	6.905	6.865	6.931	VV	303	8443	0.30%	0.093%
69	6.953	6.931	6.981	VV	456	10059	0.36%	0.110%
70	7.007	6.981	7.041	VV	808	20624	0.74%	0.226%
71	7.065	7.041	7.094	VV	823	17583	0.63%	0.193%
72	7.128	7.094	7.191	VV	890	29351	1.06%	0.322%
73	7.211	7.191	7.255	VV	698	13807	0.50%	0.151%
74	7.294	7.255	7.334	VV	1595	26440	0.95%	0.290%
75	7.353	7.334	7.376	VV	441	8368	0.30%	0.092%
76	7.434	7.376	7.482	VV	2583	47575	1.72%	0.522%
77	7.525	7.482	7.546	VV	505	13553	0.49%	0.149%
78	7.558	7.546	7.578	VV	327	5129	0.18%	0.056%
79	7.604	7.578	7.670	VV	449	13819	0.50%	0.152%
80	7.695	7.670	7.734	VV	723	11114	0.40%	0.122%
81	7.779	7.734	7.828	VV	374	14353	0.52%	0.157%
82	7.886	7.828	7.902	VV	398	13645	0.49%	0.150%
83	7.914	7.902	7.941	VV	347	5930	0.21%	0.065%
84	7.957	7.941	7.981	VV	410	6130	0.22%	0.067%
85	8.002	7.981	8.030	VV	885	12682	0.46%	0.139%
86	8.058	8.030	8.096	VV	829	14227	0.51%	0.156%
87	8.128	8.096	8.179	VV	698	17970	0.65%	0.197%
88	8.213	8.179	8.277	VV	732	23112	0.83%	0.253%
89	8.306	8.277	8.373	VV	3926	56212	2.03%	0.616%

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90	8.419	8.373	8.481	VV	468	20091	0.72%	0.220%
91	8.500	8.481	8.520	VV	229	4693	0.17%	0.051%
92	8.541	8.520	8.575	VV	406	6290	0.23%	0.069%
93	8.620	8.575	8.701	PV	7030	94205	3.40%	1.033%
94	8.799	8.701	8.831	VV	483	24321	0.88%	0.267%
95	8.847	8.831	8.891	VV	700	14681	0.53%	0.161%
96	8.910	8.891	8.940	VV	353	5098	0.18%	0.056%
97	8.965	8.940	8.981	PV	244	4247	0.15%	0.047%
98	9.025	8.981	9.048	VV	1293	23866	0.86%	0.262%
99	9.065	9.048	9.104	VV	657	14933	0.54%	0.164%
100	9.148	9.104	9.197	VV	1284	30200	1.09%	0.331%
101	9.220	9.197	9.245	VV	448	7617	0.27%	0.084%
102	9.267	9.245	9.290	VV	299	5459	0.20%	0.060%
103	9.317	9.290	9.335	VV	215	4990	0.18%	0.055%
104	9.379	9.335	9.397	VV	247	7209	0.26%	0.079%
105	9.429	9.397	9.474	VV	428	10734	0.39%	0.118%
106	9.499	9.474	9.533	VV	720	11936	0.43%	0.131%
107	9.555	9.533	9.618	VV	271	7575	0.27%	0.083%
108	9.639	9.618	9.667	VV	422	7691	0.28%	0.084%
109	9.690	9.667	9.727	VV	752	10358	0.37%	0.114%
110	9.770	9.727	9.804	VV	175	6008	0.22%	0.066%
111	9.830	9.804	9.891	VV	352	7632	0.28%	0.084%
112	9.912	9.891	9.964	VV	1028	15184	0.55%	0.167%
113	9.998	9.964	10.108	VV	244	13816	0.50%	0.152%
114	10.131	10.108	10.152	PV	157	2573	0.09%	0.028%
115	10.191	10.152	10.208	VV	196	3801	0.14%	0.042%
116	10.236	10.208	10.268	VV	257	6837	0.25%	0.075%
117	10.304	10.268	10.326	VV	445	9420	0.34%	0.103%
118	10.344	10.326	10.367	VV	303	5522	0.20%	0.061%
119	10.394	10.367	10.488	VV	303	11384	0.41%	0.125%
120	10.546	10.488	10.564	VV	349	10122	0.37%	0.111%
121	10.589	10.564	10.614	VV	386	8995	0.32%	0.099%
122	10.651	10.614	10.688	VV	469	13837	0.50%	0.152%
123	10.780	10.688	10.898	VV	685	33552	1.21%	0.368%
124	10.930	10.898	10.958	VV	195	5145	0.19%	0.056%
125	11.021	10.958	11.054	VV	288	10859	0.39%	0.119%
126	11.077	11.054	11.128	VV	354	8667	0.31%	0.095%
127	11.160	11.128	11.228	VV	169	6593	0.24%	0.072%
128	11.286	11.228	11.326	VV	2990	43169	1.56%	0.473%
129	11.358	11.326	11.388	VV	1909	27968	1.01%	0.307%
130	11.452	11.388	11.491	VV	864	17620	0.64%	0.193%
131	11.504	11.491	11.524	VV	112	1442	0.05%	0.016%
132	11.583	11.524	11.608	PV	112	3400	0.12%	0.037%
133	11.683	11.608	11.699	VV	222	9260	0.33%	0.102%
134	11.713	11.699	11.728	VV	227	3687	0.13%	0.040%
135	11.749	11.728	11.788	VV	348	8050	0.29%	0.088%
136	11.834	11.788	11.915	VV	380	13362	0.48%	0.147%
137	12.023	11.915	12.061	VV	834	28971	1.04%	0.318%
138	12.083	12.061	12.114	VV	328	9088	0.33%	0.100%
139	12.130	12.114	12.146	VV	318	4457	0.16%	0.049%
140	12.162	12.146	12.211	VV	277	7956	0.29%	0.087%
141	12.245	12.211	12.264	VV	605	13115	0.47%	0.144%

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142	12.279	12.264	12.298	VV	857	11710	0.42%	0.128%
143	12.334	12.298	12.381	VV	15459	191705	6.91%	2.102%
144	12.401	12.381	12.421	VV	431	6857	0.25%	0.075%
145	12.523	12.421	12.554	VV	6180	107767	3.89%	1.182%
146	12.603	12.554	12.640	VV	11011	130674	4.71%	1.433%
147	12.667	12.640	12.764	VV	1375	23878	0.86%	0.262%
148	12.794	12.764	12.838	VV	473	8597	0.31%	0.094%
149	12.855	12.838	12.894	VV	89	2111	0.08%	0.023%
150	12.946	12.894	12.962	PV	195	4929	0.18%	0.054%
151	12.978	12.962	13.004	VV	163	3159	0.11%	0.035%
152	13.115	13.004	13.250	VV	233629	2773153	100.00%	30.413%
153	13.281	13.250	13.318	VV	729	15878	0.57%	0.174%
154	13.339	13.318	13.364	VV	303	6995	0.25%	0.077%
155	13.385	13.364	13.421	VV	331	7858	0.28%	0.086%
156	13.558	13.421	13.624	VV	431	29016	1.05%	0.318%
157	13.666	13.624	13.697	VV	413	12112	0.44%	0.133%
158	13.726	13.697	13.764	VV	429	13294	0.48%	0.146%
159	13.815	13.764	13.839	VV	821	19881	0.72%	0.218%
160	13.868	13.839	13.911	VV	1711	29825	1.08%	0.327%
161	13.926	13.911	13.941	VV	364	6263	0.23%	0.069%
162	13.961	13.941	14.004	VV	375	13588	0.49%	0.149%
163	14.099	14.004	14.131	VV	687	35931	1.30%	0.394%
164	14.202	14.131	14.220	VV	689	30561	1.10%	0.335%
165	14.304	14.220	14.356	VV	1534	66603	2.40%	0.730%
166	14.431	14.356	14.478	VV	1937	70380	2.54%	0.772%
167	14.562	14.478	14.618	VV	1206	84119	3.03%	0.923%
168	14.689	14.618	14.714	VV	1165	61878	2.23%	0.679%
169	14.748	14.714	14.766	VV	1224	36208	1.31%	0.397%
170	14.788	14.766	14.833	VV	1265	47502	1.71%	0.521%
171	14.971	14.833	15.040	VV	2981	188222	6.79%	2.064%
172	15.060	15.040	15.091	VV	1383	41070	1.48%	0.450%
173	15.126	15.091	15.194	VV	1573	88804	3.20%	0.974%
174	15.218	15.194	15.338	VV	1463	118480	4.27%	1.299%
175	15.400	15.338	15.425	VV	1734	76813	2.77%	0.842%
176	15.496	15.425	15.620	VV	2654	189607	6.84%	2.079%
177	15.660	15.620	15.704	VV	1431	67253	2.43%	0.738%
178	15.726	15.704	15.751	VV	1407	36945	1.33%	0.405%
179	15.767	15.751	15.794	VV	1485	35871	1.29%	0.393%
180	15.816	15.794	15.874	VV	1462	65182	2.35%	0.715%
181	15.889	15.874	15.901	VV	1302	19502	0.70%	0.214%
182	15.995	15.901	16.120	VV	2302	167125	6.03%	1.833%
183	16.169	16.120	16.258	VV	1053	76616	2.76%	0.840%
184	16.292	16.258	16.414	VV	867	71627	2.58%	0.786%
185	16.479	16.414	16.571	VV	2407	85469	3.08%	0.937%
186	16.596	16.571	16.618	VV	583	15092	0.54%	0.166%
187	16.650	16.618	16.742	VV	855	42847	1.55%	0.470%
188	16.757	16.742	16.791	VV	489	13314	0.48%	0.146%
189	16.946	16.791	17.034	VV	1644	77608	2.80%	0.851%
190	17.051	17.034	17.151	VV	376	16540	0.60%	0.181%
191	17.217	17.151	17.248	VV	340	13069	0.47%	0.143%
192	17.284	17.248	17.305	VV	380	7960	0.29%	0.087%
193	17.333	17.305	17.360	VV	404	10718	0.39%	0.118%
194	17.399	17.360	17.461	VV	4551	67613	2.44%	0.742%

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195	17.517	17.461	17.554	VV	330	11651	0.42%	0.128%
196	17.571	17.554	17.596	VV	240	3716	0.13%	0.041%
197	17.619	17.596	17.648	VV	198	3448	0.12%	0.038%
198	17.697	17.648	17.718	VV	119	3388	0.12%	0.037%
199	17.738	17.718	17.782	VV	111	2322	0.08%	0.025%
200	17.836	17.782	17.864	PV	1595	23572	0.85%	0.259%
201	17.892	17.864	17.924	VV	213	4223	0.15%	0.046%
202	18.021	17.924	18.041	VV	2408	52196	1.88%	0.572%
203	18.062	18.041	18.091	VV	2398	30995	1.12%	0.340%
204	18.152	18.091	18.170	VV	574	15217	0.55%	0.167%
205	18.192	18.170	18.228	VV	834	15564	0.56%	0.171%
206	18.259	18.228	18.315	VV	4428	62211	2.24%	0.682%
207	18.367	18.315	18.431	PV	166	5886	0.21%	0.065%
208	18.529	18.431	18.583	PV	398	17133	0.62%	0.188%
209	18.602	18.583	18.624	VV	230	3221	0.12%	0.035%
210	18.671	18.624	18.722	VV	1589	27496	0.99%	0.302%
211	18.760	18.722	18.801	PV	9942	139897	5.04%	1.534%
212	18.831	18.801	18.887	VV	1166	21667	0.78%	0.238%
213	18.929	18.887	18.970	PV	394	9734	0.35%	0.107%
214	18.999	18.970	19.021	VV	449	7611	0.27%	0.083%
215	19.069	19.021	19.118	VV	1548	29587	1.07%	0.324%
216	19.186	19.118	19.224	VV	312	13097	0.47%	0.144%
217	19.242	19.224	19.298	VV	401	12332	0.44%	0.135%
218	19.457	19.298	19.505	VV	1354	48506	1.75%	0.532%
219	19.711	19.505	19.788	VV	768	76076	2.74%	0.834%
220	19.833	19.788	19.881	VV	1170	39105	1.41%	0.429%
221	20.017	19.881	20.038	VV	1213	85841	3.10%	0.941%
222	20.104	20.038	20.160	VV	1357	88492	3.19%	0.970%
223	20.198	20.160	20.224	VV	1926	53757	1.94%	0.590%
224	20.255	20.224	20.291	VV	1384	51095	1.84%	0.560%
225	20.445	20.291	20.531	VV	1382	185190	6.68%	2.031%
226	20.562	20.531	20.608	VV	1531	61907	2.23%	0.679%
227	20.752	20.608	20.804	VV	1547	156371	5.64%	1.715%
228	20.826	20.804	20.844	VV	1341	31361	1.13%	0.344%
229	20.866	20.844	20.914	VV	1275	50917	1.84%	0.558%
230	20.966	20.914	21.128	VV	1758	153784	5.55%	1.687%
231	21.136	21.128	21.214	VV	1172	51176	1.85%	0.561%
232	21.227	21.214	21.298	VV	892	42111	1.52%	0.462%
233	21.333	21.298	21.361	VV	857	30738	1.11%	0.337%
234	21.414	21.361	21.457	VV	816	44078	1.59%	0.483%
235	21.517	21.457	21.650	VV	821	73504	2.65%	0.806%
236	21.667	21.650	21.744	VV	554	26781	0.97%	0.294%
237	21.831	21.744	21.858	VV	458	27719	1.00%	0.304%
238	21.936	21.858	22.091	VV	903	55010	1.98%	0.603%
239	22.122	22.091	22.151	VV	231	6218	0.22%	0.068%
240	22.297	22.151	22.331	VV	189	14581	0.53%	0.160%
241	22.464	22.331	22.483	PV	72	2584	0.09%	0.028%
Sum of corrected areas:						9118368		

Aliphatic EPH 052425.M Fri Jun 13 03:34:43 2025

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	62.8
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
FD049460.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.74	J	0.19	1.06	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.58	J	0.37	1.59	mg/kg
Aromatic C16-C21	Aromatic C16-C21	7.19		0.64	2.65	mg/kg
Aromatic C21-C36	Aromatic C21-C36	5.81		1.89	4.24	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	36.9		40 - 140	74%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	35.9		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.2		40 - 140	74%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2177-04	Acq On:	12 Jun 2025 14:21
Client Sample ID:	B-187-SB02	Operator:	YP/AJ
Data file:	FD049460.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.424	6.168	1159141	6.927	200	ug/ml
Aromatic C12-C16	6.169	8.797	1031347	5.5	300	ug/ml
Aromatic C16-C21	8.798	13.088	12510638	67.72	500	ug/ml
Aromatic C21-C36	13.089	18.510	7942940	54.757	800	ug/ml
Aromatic EPH	4.424	18.510	22644066	134.904		ug/ml
2-Bromonaphthalene (SURR)	7.733	7.733	6129577	36.87		ug/ml
2-Fluorobiphenyl (SURR)	8.599	8.599	4107675	35.91		ug/ml
ortho-Terphenyl (SURR)	11.646	11.646	7466601	37.2		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
 Data File : FD049460.D
 Signal(s) : FID2B.ch
 Acq On : 12 Jun 2025 14:21
 Operator : YP/AJ
 Sample : Q2177-04
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-187-SB02

Integration File: autoint1.e
 Quant Time: Jun 13 04:14:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.733	6129577	36.873 ug/ml
Spiked Amount 50.000		Recovery =	73.75%
6) S 2-Fluorobiphenyl (SURR)	8.599	4107675	35.907 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	71.81%
11) S ortho-Terphenyl (SURR)	11.646	7466601	37.199 ug/ml
Spiked Amount 50.000		Recovery =	74.40%

Target Compounds

(f)=RT Delta > 1/2 Window

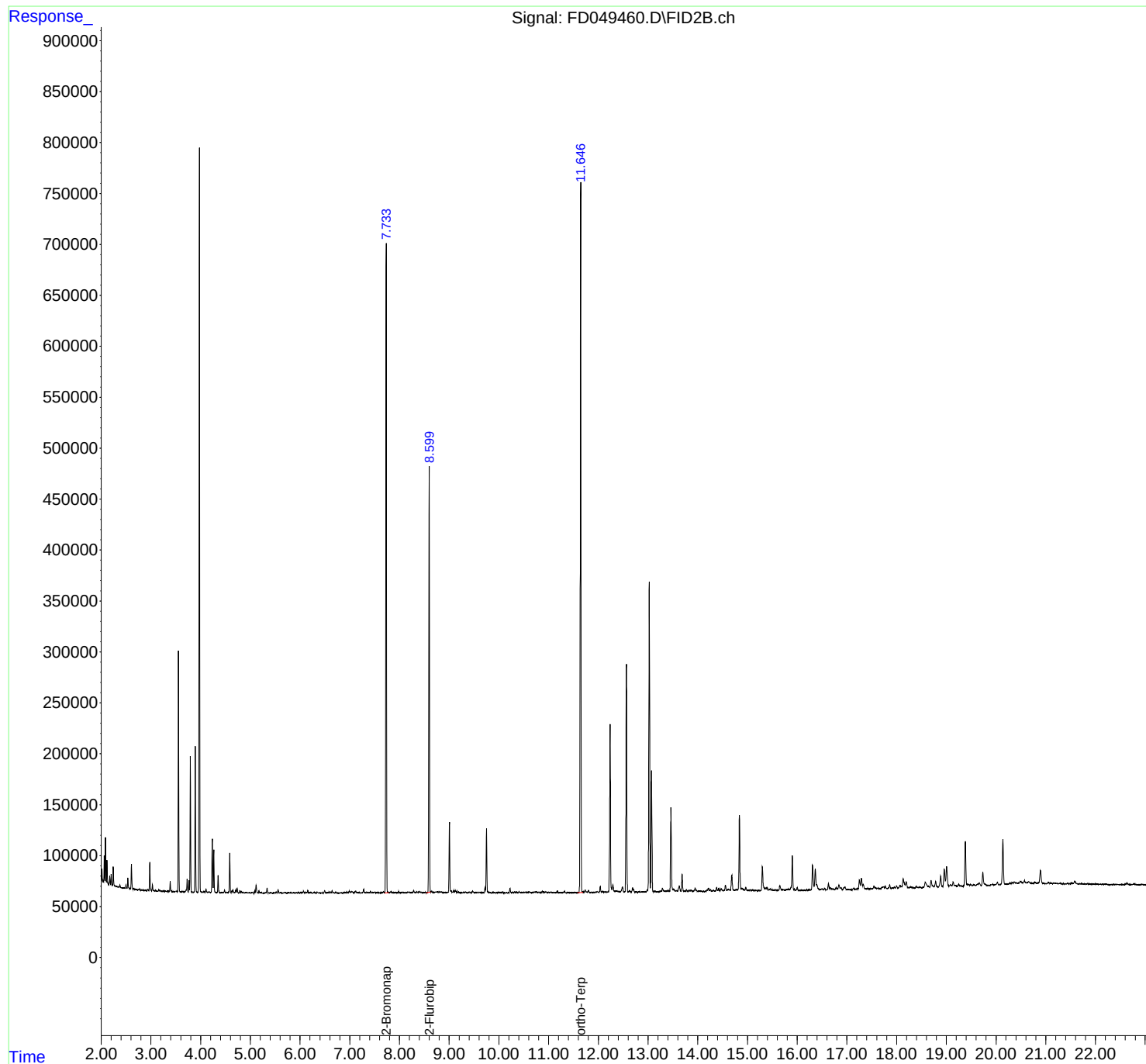
(m)=manual int.

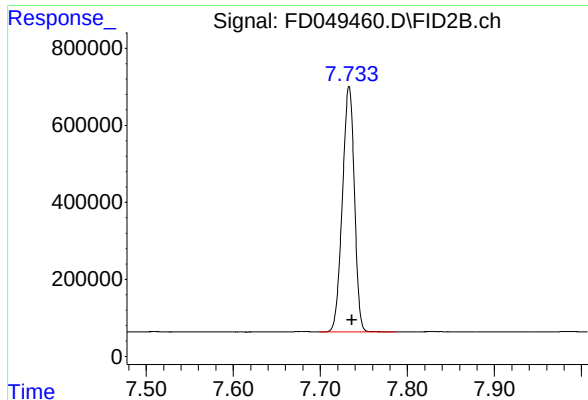
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
Data File : FD049460.D
Signal(s) : FID2B.ch
Acq On : 12 Jun 2025 14:21
Operator : YP/AJ
Sample : Q2177-04
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-187-SB02

Integration File: autoint1.e
Quant Time: Jun 13 04:14:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

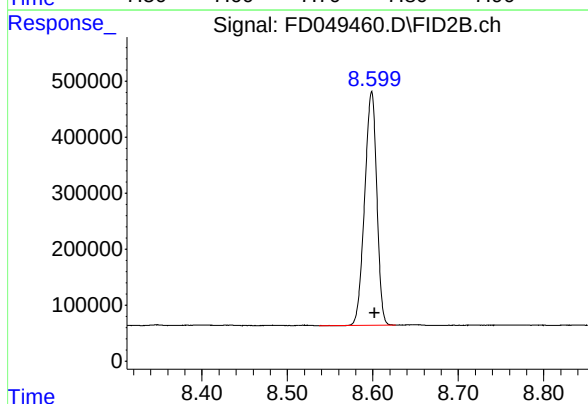




#4 2-Bromonaphthalene (SURR)

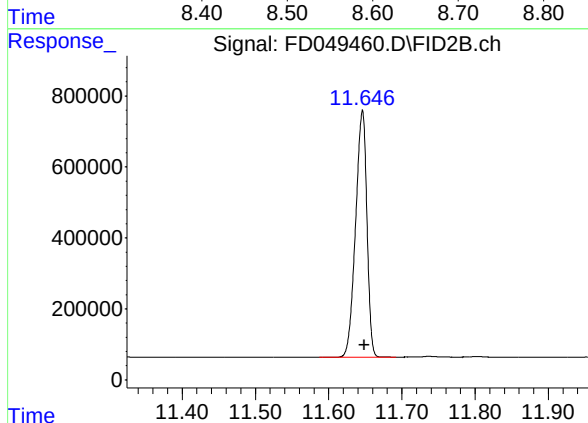
R.T.: 7.733 min
Delta R.T.: -0.003 min
Response: 6129577
Conc: 36.87 ug/ml

Instrument :
FID_D
ClientSampleId :
B-187-SB02



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.599 min
Delta R.T.: -0.004 min
Response: 4107675
Conc: 35.91 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.646 min
Delta R.T.: -0.002 min
Response: 7466601
Conc: 37.20 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
Data File : FD049460.D
Signal(s) : FID2B.ch
Acq On : 12 Jun 2025 14:21
Sample : Q2177-04
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.265	4.252	4.294	PH	41639	350165	4.68%	0.840%
2	4.297	4.294	4.329	PV	144	1047	0.01%	0.003%
3	4.352	4.329	4.402	PV	17034	143784	1.92%	0.345%
4	4.437	4.412	4.460	VV	647	9458	0.13%	0.023%
5	4.481	4.460	4.513	VV	2801	32536	0.43%	0.078%
6	4.526	4.513	4.544	VV	597	7924	0.11%	0.019%
7	4.586	4.544	4.611	VV	39281	362007	4.84%	0.869%
8	4.628	4.611	4.637	VV	2186	20372	0.27%	0.049%
9	4.650	4.637	4.672	VV	3090	33831	0.45%	0.081%
10	4.706	4.672	4.718	VV	2870	33043	0.44%	0.079%
11	4.735	4.718	4.768	VV	4538	48197	0.64%	0.116%
12	4.788	4.768	4.804	VV	2299	22466	0.30%	0.054%
13	4.816	4.804	4.844	VV	1646	20896	0.28%	0.050%
14	4.852	4.844	4.876	VV	810	8699	0.12%	0.021%
15	4.887	4.876	4.892	VV	307	2346	0.03%	0.006%
16	4.902	4.892	4.908	VV	380	2868	0.04%	0.007%
17	4.927	4.908	4.948	VV	877	11340	0.15%	0.027%
18	4.954	4.948	4.962	VV	279	1754	0.02%	0.004%
19	4.967	4.962	4.972	VV	409	1898	0.03%	0.005%
20	4.976	4.972	4.979	VV	379	1212	0.02%	0.003%
21	4.996	4.979	5.012	VV	645	9348	0.12%	0.022%
22	5.041	5.012	5.062	VV	968	15782	0.21%	0.038%
23	5.090	5.062	5.102	VV	2089	25432	0.34%	0.061%
24	5.116	5.102	5.149	VV	7837	89041	1.19%	0.214%
25	5.174	5.149	5.209	VV	1929	29885	0.40%	0.072%
26	5.222	5.209	5.260	VV	788	10273	0.14%	0.025%
27	5.307	5.260	5.319	PV	822	12408	0.17%	0.030%
28	5.336	5.319	5.362	VV	5025	52014	0.70%	0.125%
29	5.366	5.362	5.386	VV	560	5750	0.08%	0.014%
30	5.398	5.386	5.431	VV	535	10120	0.14%	0.024%
31	5.436	5.431	5.451	VV	400	2640	0.04%	0.006%
32	5.476	5.451	5.500	VV	436	9705	0.13%	0.023%
33	5.518	5.500	5.535	VV	1586	18472	0.25%	0.044%
34	5.559	5.535	5.604	VV	3438	48627	0.65%	0.117%
35	5.614	5.604	5.639	VV	986	12651	0.17%	0.030%
36	5.649	5.639	5.664	VV	390	4982	0.07%	0.012%

					rteres			
37	5.683	5.664	5.732	VV	1226	21698	0.29%	0.052%
38	5.759	5.740	5.783	VV	607	10118	0.14%	0.024%
39	5.808	5.783	5.825	VV	795	12623	0.17%	0.030%
40	5.838	5.825	5.845	VV	419	4046	0.05%	0.010%
41	5.868	5.845	5.902	VV	547	12240	0.16%	0.029%
42	5.914	5.902	5.924	VV	441	4810	0.06%	0.012%
43	5.927	5.924	5.946	VV	525	5425	0.07%	0.013%
44	5.949	5.946	5.954	VV	388	1601	0.02%	0.004%
45	5.970	5.954	5.992	VV	968	13198	0.18%	0.032%
46	6.007	5.992	6.025	VV	762	11522	0.15%	0.028%
47	6.028	6.025	6.033	VV	679	2481	0.03%	0.006%
48	6.036	6.033	6.041	VV	557	2441	0.03%	0.006%
49	6.046	6.041	6.050	VV	586	2753	0.04%	0.007%
50	6.069	6.050	6.096	VV	2164	30707	0.41%	0.074%
51	6.115	6.096	6.139	VV	1089	17236	0.23%	0.041%
52	6.156	6.139	6.181	VV	2392	28265	0.38%	0.068%
53	6.217	6.181	6.253	VV	1116	22697	0.30%	0.054%
54	6.286	6.253	6.316	VV	834	19456	0.26%	0.047%
55	6.323	6.316	6.325	VV	264	1306	0.02%	0.003%
56	6.345	6.325	6.373	VV	1123	18760	0.25%	0.045%
57	6.384	6.373	6.401	VV	468	5256	0.07%	0.013%
58	6.405	6.401	6.430	VV	328	3622	0.05%	0.009%
59	6.439	6.430	6.447	VV	347	2717	0.04%	0.007%
60	6.458	6.447	6.469	VV	415	4434	0.06%	0.011%
61	6.496	6.469	6.527	VV	2747	36187	0.48%	0.087%
62	6.580	6.527	6.602	VV	1278	26610	0.36%	0.064%
63	6.615	6.602	6.630	VV	1275	13812	0.18%	0.033%
64	6.645	6.630	6.666	VV	2691	29455	0.39%	0.071%
65	6.679	6.666	6.698	VV	856	10115	0.14%	0.024%
66	6.717	6.698	6.739	VV	1477	16453	0.22%	0.039%
67	6.759	6.739	6.793	VV	423	7933	0.11%	0.019%
68	6.799	6.793	6.803	VV	269	1037	0.01%	0.002%
69	6.821	6.803	6.843	VV	550	7852	0.10%	0.019%
70	6.869	6.855	6.875	VV	579	5141	0.07%	0.012%
71	6.877	6.875	6.882	VV	662	1899	0.03%	0.005%
72	6.887	6.882	6.909	VV	636	7171	0.10%	0.017%
73	6.914	6.909	6.922	VV	364	2520	0.03%	0.006%
74	6.940	6.922	6.960	VV	1203	17070	0.23%	0.041%
75	6.965	6.960	6.970	VV	469	2493	0.03%	0.006%
76	6.993	6.970	7.023	VV	2183	41220	0.55%	0.099%
77	7.038	7.023	7.045	VV	1620	17645	0.24%	0.042%
78	7.052	7.045	7.082	VV	1514	20664	0.28%	0.050%
79	7.118	7.082	7.148	VV	2265	42924	0.57%	0.103%
80	7.155	7.148	7.160	VV	614	3889	0.05%	0.009%
81	7.166	7.160	7.184	VV	665	7738	0.10%	0.019%
82	7.197	7.184	7.211	VV	564	7366	0.10%	0.018%
83	7.226	7.211	7.237	VV	582	6898	0.09%	0.017%
84	7.243	7.237	7.246	VV	335	1807	0.02%	0.004%
85	7.279	7.246	7.311	VV	3753	51626	0.69%	0.124%
86	7.337	7.311	7.352	VV	1166	17439	0.23%	0.042%
87	7.359	7.352	7.369	VV	843	6326	0.08%	0.015%
88	7.384	7.369	7.399	VV	1056	12998	0.17%	0.031%
89	7.418	7.399	7.440	VV	1789	24377	0.33%	0.059%

					rteres			
90	7.454	7.440	7.467	VV	757	8081	0.11%	0.019%
91	7.482	7.467	7.496	VV	821	11125	0.15%	0.027%
92	7.509	7.496	7.528	VV	1308	14637	0.20%	0.035%
93	7.537	7.528	7.542	VV	489	3069	0.04%	0.007%
94	7.567	7.542	7.575	VV	630	8891	0.12%	0.021%
95	7.579	7.575	7.614	VV	653	8865	0.12%	0.021%
96	7.631	7.614	7.637	VV	585	5097	0.07%	0.012%
97	7.648	7.637	7.660	VV	914	9732	0.13%	0.023%
98	7.680	7.660	7.698	VV	1673	22440	0.30%	0.054%
99	7.733	7.698	7.800	VV	638529	6153631	82.23%	14.769%
100	7.826	7.800	7.858	VV	1283	28539	0.38%	0.068%
101	7.873	7.858	7.887	VV	819	9492	0.13%	0.023%
102	7.898	7.887	7.919	VV	607	8687	0.12%	0.021%
103	7.938	7.919	7.958	VV	668	12356	0.17%	0.030%
104	7.986	7.958	8.010	VV	1610	26654	0.36%	0.064%
105	8.012	8.010	8.018	VV	609	2512	0.03%	0.006%
106	8.025	8.018	8.052	VV	675	9932	0.13%	0.024%
107	8.075	8.052	8.108	VV	773	18545	0.25%	0.045%
108	8.114	8.108	8.117	VV	614	2951	0.04%	0.007%
109	8.120	8.117	8.132	VV	625	4141	0.06%	0.010%
110	8.162	8.132	8.179	VV	816	17970	0.24%	0.043%
111	8.189	8.179	8.218	VV	1096	19007	0.25%	0.046%
112	8.224	8.218	8.228	VV	560	2887	0.04%	0.007%
113	8.238	8.228	8.261	VV	605	10551	0.14%	0.025%
114	8.287	8.261	8.309	VV	2791	37820	0.51%	0.091%
115	8.315	8.309	8.321	VV	553	3415	0.05%	0.008%
116	8.325	8.321	8.330	VV	544	2519	0.03%	0.006%
117	8.347	8.330	8.364	VV	1523	18045	0.24%	0.043%
118	8.382	8.364	8.389	VV	1006	11568	0.15%	0.028%
119	8.402	8.389	8.419	VV	1343	18024	0.24%	0.043%
120	8.434	8.419	8.467	VV	1041	17381	0.23%	0.042%
121	8.481	8.467	8.509	VV	798	13150	0.18%	0.032%
122	8.519	8.509	8.545	VV	917	11371	0.15%	0.027%
123	8.549	8.545	8.562	VV	374	2157	0.03%	0.005%
124	8.599	8.562	8.627	VV	418680	4145107	55.39%	9.948%
125	8.650	8.627	8.680	VV	1808	37326	0.50%	0.090%
126	8.695	8.680	8.705	VV	951	12224	0.16%	0.029%
127	8.719	8.705	8.732	VV	1154	15689	0.21%	0.038%
128	8.755	8.732	8.768	VV	1306	24020	0.32%	0.058%
129	8.773	8.768	8.789	VV	1328	13564	0.18%	0.033%
130	8.800	8.789	8.810	VV	1038	11344	0.15%	0.027%
131	8.824	8.810	8.832	VV	1077	11205	0.15%	0.027%
132	8.838	8.832	8.845	VV	1056	8246	0.11%	0.020%
133	8.847	8.845	8.872	VV	1116	9641	0.13%	0.023%
134	8.882	8.872	8.905	VV	790	11162	0.15%	0.027%
135	8.911	8.905	8.923	VV	583	4649	0.06%	0.011%
136	8.936	8.923	8.955	VV	742	9858	0.13%	0.024%
137	9.006	8.955	9.028	VV	69635	691970	9.25%	1.661%
138	9.034	9.028	9.038	VV	2152	11890	0.16%	0.029%
139	9.040	9.038	9.054	VV	2158	16301	0.22%	0.039%
140	9.061	9.054	9.074	VV	1064	11601	0.16%	0.028%
141	9.088	9.074	9.109	VV	2400	32811	0.44%	0.079%

					rteres			
142	9.125	9.109	9.143	VV	2564	37667	0.50%	0.090%
143	9.161	9.143	9.178	VV	1977	24222	0.32%	0.058%
144	9.194	9.178	9.224	VV	998	14135	0.19%	0.034%
145	9.241	9.224	9.261	VV	506	8247	0.11%	0.020%
146	9.265	9.261	9.273	VV	278	1576	0.02%	0.004%
147	9.296	9.273	9.310	VV	843	12593	0.17%	0.030%
148	9.330	9.310	9.358	VV	1099	18697	0.25%	0.045%
149	9.363	9.358	9.370	VV	338	1714	0.02%	0.004%
150	9.392	9.370	9.406	VV	838	12938	0.17%	0.031%
151	9.410	9.406	9.443	VV	759	11763	0.16%	0.028%
152	9.475	9.443	9.515	VV	1688	34610	0.46%	0.083%
153	9.527	9.515	9.560	VV	671	13255	0.18%	0.032%
154	9.565	9.560	9.597	VV	593	9314	0.12%	0.022%
155	9.613	9.597	9.640	VV	860	15440	0.21%	0.037%
156	9.643	9.640	9.650	VV	401	2246	0.03%	0.005%
157	9.665	9.650	9.694	VV	593	11845	0.16%	0.028%
158	9.722	9.694	9.734	VV	5543	62796	0.84%	0.151%
159	9.752	9.734	9.800	VV	63518	638579	8.53%	1.533%
160	9.806	9.800	9.809	VV	574	3019	0.04%	0.007%
161	9.822	9.809	9.856	VV	778	11233	0.15%	0.027%
162	9.883	9.856	9.932	VV	1371	22579	0.30%	0.054%
163	9.959	9.932	10.015	VV	662	20098	0.27%	0.048%
164	10.020	10.015	10.031	VV	470	3686	0.05%	0.009%
165	10.044	10.031	10.059	VV	574	6975	0.09%	0.017%
166	10.079	10.059	10.104	VV	1110	14483	0.19%	0.035%
167	10.107	10.104	10.117	PV	356	1707	0.02%	0.004%
168	10.128	10.124	10.150	VV	273	2506	0.03%	0.006%
169	10.159	10.150	10.178	VV	287	3039	0.04%	0.007%
170	10.224	10.178	10.246	VV	4734	60203	0.80%	0.144%
171	10.250	10.246	10.259	VV	599	4240	0.06%	0.010%
172	10.277	10.259	10.295	VV	865	12721	0.17%	0.031%
173	10.314	10.295	10.332	VV	1057	16639	0.22%	0.040%
174	10.342	10.332	10.352	VV	722	7870	0.11%	0.019%
175	10.353	10.352	10.383	VV	808	9732	0.13%	0.023%
176	10.405	10.383	10.442	VV	1411	24618	0.33%	0.059%
177	10.445	10.442	10.453	VV	467	2750	0.04%	0.007%
178	10.483	10.453	10.495	VV	696	12659	0.17%	0.030%
179	10.506	10.495	10.515	VV	653	7036	0.09%	0.017%
180	10.524	10.515	10.539	VV	723	8373	0.11%	0.020%
181	10.552	10.539	10.570	VV	729	12247	0.16%	0.029%
182	10.574	10.570	10.585	VV	821	5994	0.08%	0.014%
183	10.601	10.585	10.657	VV	1119	29709	0.40%	0.071%
184	10.672	10.657	10.691	VV	753	10080	0.13%	0.024%
185	10.712	10.691	10.729	VV	902	16061	0.21%	0.039%
186	10.752	10.729	10.789	VV	1438	30529	0.41%	0.073%
187	10.803	10.789	10.825	VV	787	13630	0.18%	0.033%
188	10.839	10.825	10.856	VV	800	10860	0.15%	0.026%
189	10.873	10.856	10.889	VV	2007	22597	0.30%	0.054%
190	10.900	10.889	10.922	VV	1081	17281	0.23%	0.041%
191	10.928	10.922	10.931	VV	778	3961	0.05%	0.010%
192	10.945	10.931	10.975	VV	1166	21071	0.28%	0.051%
193	10.991	10.975	11.003	VV	875	11536	0.15%	0.028%
194	11.008	11.003	11.025	VV	692	7006	0.09%	0.017%

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195	11.048	11.025	11.069	VV	897	16439	0.22%	0.039%
196	11.077	11.069	11.084	VV	581	4268	0.06%	0.010%
197	11.087	11.084	11.104	VV	517	4435	0.06%	0.011%
198	11.121	11.104	11.130	VV	402	5361	0.07%	0.013%
199	11.142	11.130	11.153	VV	469	4325	0.06%	0.010%
200	11.177	11.153	11.202	VV	2213	27486	0.37%	0.066%
201	11.210	11.202	11.226	VV	253	2060	0.03%	0.005%
202	11.250	11.226	11.272	PV	748	10409	0.14%	0.025%
203	11.295	11.272	11.306	VV	624	7630	0.10%	0.018%
204	11.321	11.306	11.353	VV	1407	16755	0.22%	0.040%
205	11.394	11.353	11.447	VV	730	17920	0.24%	0.043%
206	11.478	11.447	11.484	VV	624	7652	0.10%	0.018%
207	11.487	11.484	11.500	VV	534	2735	0.04%	0.007%
208	11.512	11.500	11.526	VV	454	5064	0.07%	0.012%
209	11.530	11.526	11.551	VV	280	2935	0.04%	0.007%
210	11.562	11.551	11.571	VV	307	2604	0.03%	0.006%
211	11.646	11.584	11.692	PV	698661	7483179	100.00%	17.960%
212	11.706	11.692	11.717	VV	1020	10841	0.14%	0.026%
213	11.737	11.717	11.775	VV	2812	49437	0.66%	0.119%
214	11.803	11.775	11.828	VV	2390	35080	0.47%	0.084%
215	11.852	11.828	11.862	VV	490	6047	0.08%	0.015%
216	11.866	11.862	11.884	VV	436	3648	0.05%	0.009%
217	11.891	11.884	11.901	VV	297	2193	0.03%	0.005%
218	11.916	11.901	11.938	VV	497	7831	0.10%	0.019%
219	11.981	11.938	12.007	VV	1077	27615	0.37%	0.066%
220	12.040	12.007	12.063	VV	6169	76936	1.03%	0.185%
221	12.081	12.063	12.107	VV	1331	19994	0.27%	0.048%
222	12.112	12.107	12.117	VV	570	2754	0.04%	0.007%
223	12.121	12.117	12.125	VV	512	2421	0.03%	0.006%
224	12.144	12.125	12.175	VV	753	15710	0.21%	0.038%
225	12.239	12.175	12.275	VV	165491	1972924	26.36%	4.735%
226	12.295	12.275	12.338	VV	7622	130491	1.74%	0.313%
227	12.347	12.338	12.360	VV	1257	16067	0.21%	0.039%
228	12.370	12.360	12.404	VV	1455	30388	0.41%	0.073%
229	12.408	12.404	12.428	VV	981	11914	0.16%	0.029%
230	12.485	12.428	12.524	VV	5480	115027	1.54%	0.276%
231	12.526	12.524	12.533	VV	405	2048	0.03%	0.005%
232	12.565	12.533	12.602	VV	224235	2535407	33.88%	6.085%
233	12.627	12.602	12.667	VV	1985	31795	0.42%	0.076%
234	12.689	12.667	12.737	VV	4497	84294	1.13%	0.202%
235	12.755	12.737	12.784	PV	884	12777	0.17%	0.031%
236	12.807	12.799	12.825	VV	301	3564	0.05%	0.009%
237	12.838	12.825	12.858	VV	470	4651	0.06%	0.011%
238	12.874	12.858	12.889	VV	618	7401	0.10%	0.018%
239	12.894	12.889	12.900	VV	599	3708	0.05%	0.009%
240	12.903	12.900	12.914	VV	651	3976	0.05%	0.010%
241	12.915	12.914	12.931	VV	457	3095	0.04%	0.007%
242	12.938	12.931	12.945	VV	229	1863	0.02%	0.004%
243	12.984	12.945	12.995	VV	2736	36574	0.49%	0.088%
244	13.025	12.995	13.048	VV	305176	3511629	46.93%	8.428%
245	13.071	13.048	13.102	VV	119256	1361417	18.19%	3.267%
246	13.119	13.102	13.126	VV	997	10000	0.13%	0.024%

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247	13.130	13.126	13.165	VV	763	13682	0.18%	0.033%
248	13.171	13.165	13.174	VV	463	2016	0.03%	0.005%
249	13.193	13.174	13.209	VV	618	9020	0.12%	0.022%
250	13.249	13.209	13.257	VV	791	14159	0.19%	0.034%
251	13.290	13.257	13.342	VV	3766	80421	1.07%	0.193%
252	13.358	13.342	13.372	VV	973	15257	0.20%	0.037%
253	13.398	13.372	13.428	VV	1627	34931	0.47%	0.084%
254	13.462	13.428	13.505	VV	83043	1005678	13.44%	2.414%
255	13.517	13.505	13.553	VV	2738	54729	0.73%	0.131%
256	13.573	13.553	13.586	VV	1376	21155	0.28%	0.051%
257	13.630	13.586	13.658	VV	5671	117933	1.58%	0.283%
258	13.685	13.658	13.739	VV	17149	217432	2.91%	0.522%
259	13.743	13.739	13.750	VV	509	3160	0.04%	0.008%
260	13.772	13.750	13.796	VV	2160	32599	0.44%	0.078%
261	13.800	13.796	13.804	VV	327	1395	0.02%	0.003%
262	13.821	13.804	13.835	VV	1457	19295	0.26%	0.046%
263	13.847	13.835	13.856	VV	1329	13694	0.18%	0.033%
264	13.870	13.856	13.910	VV	1513	25195	0.34%	0.060%
265	13.946	13.910	13.969	VV	3634	61929	0.83%	0.149%
266	13.970	13.969	13.991	VV	1588	11513	0.15%	0.028%
267	13.996	13.991	14.000	VV	370	1681	0.02%	0.004%
268	14.006	14.000	14.011	VV	410	2309	0.03%	0.006%
269	14.034	14.011	14.056	VV	837	16389	0.22%	0.039%
270	14.060	14.056	14.096	VV	579	6630	0.09%	0.016%
271	14.117	14.096	14.122	PV	353	2942	0.04%	0.007%
272	14.131	14.122	14.134	VV	235	1158	0.02%	0.003%
273	14.153	14.134	14.161	VV	417	4575	0.06%	0.011%
274	14.187	14.161	14.197	VV	1524	19901	0.27%	0.048%
275	14.216	14.197	14.240	VV	3317	56086	0.75%	0.135%
276	14.257	14.240	14.287	VV	1718	31424	0.42%	0.075%
277	14.317	14.287	14.339	VV	1459	25665	0.34%	0.062%
278	14.378	14.339	14.403	VV	3891	62710	0.84%	0.151%
279	14.423	14.403	14.442	VV	3064	43857	0.59%	0.105%
280	14.469	14.442	14.514	VV	2814	63181	0.84%	0.152%
281	14.557	14.514	14.586	VV	5902	97779	1.31%	0.235%
282	14.606	14.586	14.620	VV	2015	31551	0.42%	0.076%
283	14.627	14.620	14.652	VV	1692	26130	0.35%	0.063%
284	14.685	14.652	14.720	VV	15969	265087	3.54%	0.636%
285	14.732	14.720	14.745	VV	1418	19077	0.25%	0.046%
286	14.757	14.745	14.764	VV	1559	16136	0.22%	0.039%
287	14.772	14.764	14.779	VV	1580	12693	0.17%	0.030%
288	14.783	14.779	14.803	VV	1644	21970	0.29%	0.053%
289	14.838	14.803	14.876	VV	74755	918955	12.28%	2.205%
290	14.895	14.876	14.914	VV	2851	56310	0.75%	0.135%
291	14.920	14.914	14.943	VV	1937	25184	0.34%	0.060%
292	14.965	14.943	15.000	VV	3760	58844	0.79%	0.141%
293	15.013	15.000	15.037	VV	874	15747	0.21%	0.038%
294	15.051	15.037	15.075	VV	1296	19340	0.26%	0.046%
295	15.108	15.075	15.128	VV	1211	24748	0.33%	0.059%
296	15.135	15.128	15.182	VV	689	16763	0.22%	0.040%
297	15.187	15.182	15.198	VV	500	3672	0.05%	0.009%
298	15.204	15.198	15.209	VV	461	2405	0.03%	0.006%
299	15.220	15.209	15.230	VV	554	5723	0.08%	0.014%

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300	15.243	15.230	15.262	VV	614	8390	0.11%	0.020%
301	15.298	15.262	15.349	VV	23794	394694	5.27%	0.947%
302	15.365	15.349	15.379	VV	2906	46074	0.62%	0.111%
303	15.395	15.379	15.420	VV	3617	58642	0.78%	0.141%
304	15.456	15.420	15.477	VV	2088	45891	0.61%	0.110%
305	15.492	15.477	15.507	VV	1198	16576	0.22%	0.040%
306	15.525	15.507	15.544	VV	930	14945	0.20%	0.036%
307	15.567	15.544	15.597	VV	1051	21764	0.29%	0.052%
308	15.607	15.597	15.615	VV	454	4586	0.06%	0.011%
309	15.650	15.615	15.716	VV	5261	112313	1.50%	0.270%
310	15.722	15.716	15.736	VV	1081	10370	0.14%	0.025%
311	15.746	15.736	15.768	VV	832	14076	0.19%	0.034%
312	15.788	15.768	15.802	VV	1415	20618	0.28%	0.049%
313	15.819	15.802	15.850	VV	1640	34409	0.46%	0.083%
314	15.901	15.850	15.928	VV	34727	461151	6.16%	1.107%
315	15.940	15.928	15.967	VV	1521	21012	0.28%	0.050%
316	15.999	15.967	16.025	VV	3176	47755	0.64%	0.115%
317	16.030	16.025	16.060	VV	274	2653	0.04%	0.006%
318	16.091	16.060	16.102	PV	521	7053	0.09%	0.017%
319	16.127	16.102	16.137	VV	297	4685	0.06%	0.011%
320	16.139	16.137	16.149	VV	306	1396	0.02%	0.003%
321	16.193	16.165	16.214	VV	791	11449	0.15%	0.027%
322	16.225	16.214	16.230	VV	513	3348	0.04%	0.008%
323	16.244	16.230	16.257	VV	704	9245	0.12%	0.022%
324	16.274	16.257	16.280	VV	706	7245	0.10%	0.017%
325	16.307	16.280	16.339	VV	24953	375549	5.02%	0.901%
326	16.362	16.339	16.390	VV	21122	341731	4.57%	0.820%
327	16.394	16.390	16.459	VV	5490	97940	1.31%	0.235%
328	16.501	16.459	16.523	VV	1534	33810	0.45%	0.081%
329	16.551	16.523	16.575	VV	2000	31965	0.43%	0.077%
330	16.582	16.575	16.590	VV	579	4829	0.06%	0.012%
331	16.627	16.590	16.659	VV	6753	108111	1.44%	0.259%
332	16.671	16.659	16.707	VV	2447	48432	0.65%	0.116%
333	16.723	16.707	16.752	VV	1395	26475	0.35%	0.064%
334	16.786	16.752	16.812	VV	2264	49860	0.67%	0.120%
335	16.837	16.812	16.865	VV	5138	95853	1.28%	0.230%
336	16.882	16.865	16.915	VV	2529	43176	0.58%	0.104%
337	16.936	16.915	16.948	VV	2426	31780	0.42%	0.076%
338	16.961	16.948	16.997	VV	3318	47190	0.63%	0.113%
339	17.010	16.997	17.028	VV	473	6813	0.09%	0.016%
340	17.036	17.028	17.068	VV	451	5852	0.08%	0.014%
341	17.084	17.068	17.104	PV	308	3891	0.05%	0.009%
342	17.134	17.104	17.159	VV	1642	31985	0.43%	0.077%
343	17.165	17.159	17.171	VV	660	4234	0.06%	0.010%
344	17.185	17.171	17.192	VV	794	8138	0.11%	0.020%
345	17.211	17.192	17.224	VV	1282	17811	0.24%	0.043%
346	17.249	17.224	17.270	VV	9757	152925	2.04%	0.367%
347	17.291	17.270	17.317	VV	11142	199792	2.67%	0.480%
348	17.328	17.317	17.370	VV	5055	84484	1.13%	0.203%
349	17.384	17.370	17.395	VV	806	9625	0.13%	0.023%
350	17.416	17.395	17.463	VV	1206	28797	0.38%	0.069%
351	17.467	17.463	17.476	VV	555	3821	0.05%	0.009%

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352	17.488	17.476	17.493	VV	520	4617	0.06%	0.011%
353	17.498	17.493	17.504	VV	467	2759	0.04%	0.007%
354	17.541	17.504	17.603	VV	3232	84410	1.13%	0.203%
355	17.626	17.603	17.632	VV	925	12326	0.16%	0.030%
356	17.633	17.632	17.673	VV	915	13211	0.18%	0.032%
357	17.732	17.673	17.751	VV	2370	63763	0.85%	0.153%
358	17.772	17.751	17.824	VV	2828	52360	0.70%	0.126%
359	17.859	17.824	17.886	VV	3977	61728	0.82%	0.148%
360	17.902	17.886	17.907	VV	803	7971	0.11%	0.019%
361	17.912	17.907	17.919	VV	726	4726	0.06%	0.011%
362	17.956	17.919	17.973	VV	1376	28285	0.38%	0.068%
363	17.997	17.973	18.023	VV	2864	46434	0.62%	0.111%
364	18.067	18.023	18.086	VV	3197	62510	0.84%	0.150%
365	18.093	18.086	18.105	VV	1878	20640	0.28%	0.050%
366	18.131	18.105	18.173	VV	9780	235580	3.15%	0.565%
367	18.193	18.173	18.246	VV	6503	126851	1.70%	0.304%
368	18.284	18.246	18.305	VV	1513	33552	0.45%	0.081%
369	18.312	18.305	18.318	VV	902	6170	0.08%	0.015%
370	18.320	18.318	18.350	VV	795	7304	0.10%	0.018%
371	18.397	18.350	18.417	VV	1556	24722	0.33%	0.059%
372	18.420	18.417	18.427	VV	488	2306	0.03%	0.006%
373	18.455	18.427	18.480	VV	785	17756	0.24%	0.043%
374	18.486	18.480	18.504	VV	610	5935	0.08%	0.014%
375	18.514	18.504	18.518	PV	217	1213	0.02%	0.003%
376	18.577	18.518	18.663	VV	5600	173350	2.32%	0.416%
377	18.693	18.663	18.751	VV	6717	131011	1.75%	0.314%
378	18.785	18.751	18.829	VV	5836	90829	1.21%	0.218%
379	18.885	18.844	18.920	PV	10468	165484	2.21%	0.397%
380	18.958	18.920	18.980	PV	13703	183747	2.46%	0.441%

Sum of corrected areas: 41666613

Aromatic EPH 052425.M Fri Jun 13 05:28:10 2025

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:45	06/12/25 13:40	PB168408

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.24	J	1	0.16	1.17	mg/kg	FC069185.D
Aliphatic C12-C16	Aliphatic C12-C16	0.39	J	1	0.13	0.78	mg/kg	FC069185.D
Aliphatic C16-C21	Aliphatic C16-C21	0.34	J	1	0.15	1.17	mg/kg	FC069185.D
Aliphatic C21-C28	Aliphatic C21-C28	0.62	U	1	0.62	1.56	mg/kg	FC069185.D
Aliphatic C28-C40	Aliphatic C28-C40	1.82	J	1	1.38	2.34	mg/kg	FC069185.D
Aromatic C10-C12	Aromatic C10-C12	0.35	J	1	0.14	0.78	mg/kg	FD049459.D
Aromatic C12-C16	Aromatic C12-C16	0.41	J	1	0.27	1.17	mg/kg	FD049459.D
Aromatic C16-C21	Aromatic C16-C21	2.92		1	0.47	1.95	mg/kg	FD049459.D
Aromatic C21-C36	Aromatic C21-C36	2.05	J	1	1.39	3.12	mg/kg	FD049459.D
Total AliphaticEPH	Total AliphaticEPH	2.79	J		2.44	7.02	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.73	J		2.27	7.02	mg/kg	
Total EPH	Total EPH	8.52	J		4.71	14.0	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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.4
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
FC069185.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.24	J	0.16	1.17	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.39	J	0.13	0.78	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.34	J	0.15	1.17	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.62	U	0.62	1.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.82	J	1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.4		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2177-06	Acq On:	12 Jun 2025 13:40
Client Sample ID:	B-202-SB01	Operator:	YP/AJ
Data file:	FC069185.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	3.305	6.606	328654	3.109	300	ug/ml
Aliphatic C12-C16	6.607	10.010	504678	4.949	200	ug/ml
Aliphatic C16-C21	10.011	13.380	428982	4.383	300	ug/ml
Aliphatic C21-C28	13.381	17.048	730151	7.784	400	ug/ml
Aliphatic C28-C40	17.049	22.036	2208942	23.39	600	ug/ml
Aliphatic EPH	3.305	22.036	4201407	43.615		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	2903246	32.36		ug/ml
Aliphatic C9-C28	3.305	17.048	1992465	20.225	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069185.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 13:40
Operator : YP/AJ
Sample : Q2177-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-202-SB01

Integration File: autoint1.e
Quant Time: Jun 13 02:16:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.115	2903246	32.361 ug/ml
Spiked Amount	50.000	Recovery	= 64.72%

Target Compounds

(f)=RT Delta > 1/2 Window

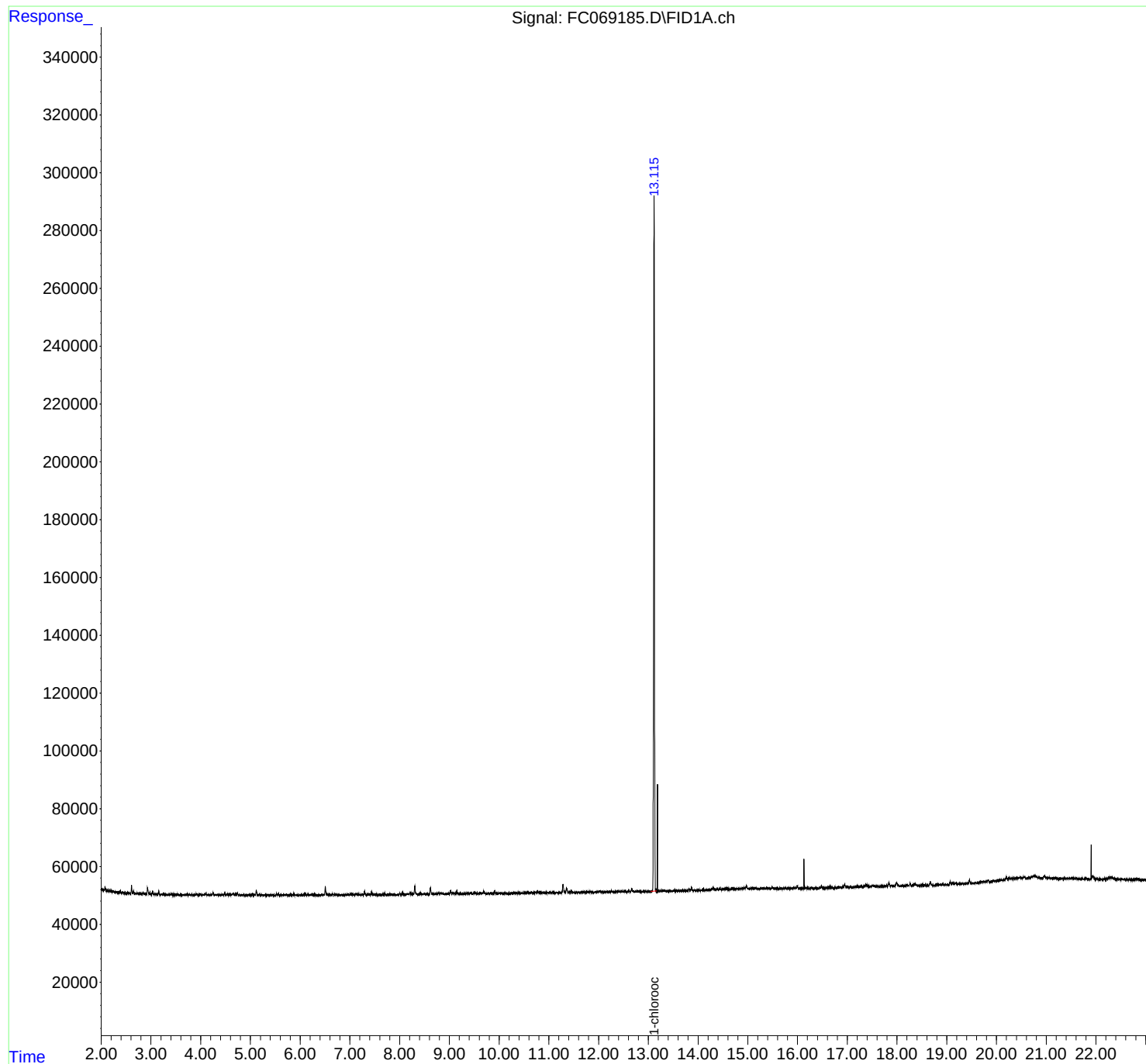
(m)=manual int.

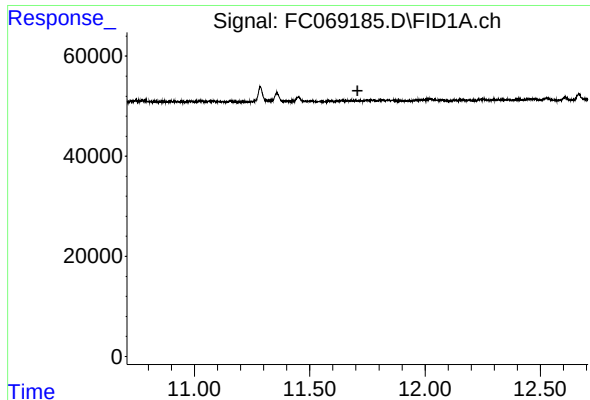
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069185.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 13:40
Operator : YP/AJ
Sample : Q2177-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-202-SB01

Integration File: autoint1.e
Quant Time: Jun 13 02:16:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

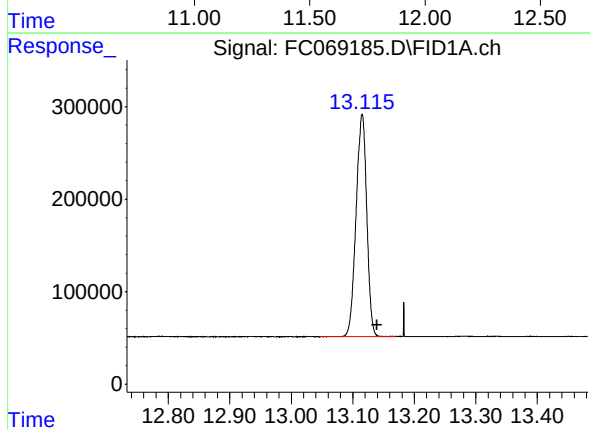




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
B-202-SB01



#12 1-chlorooctadecane (SURR)

R.T.: 13.115 min
Delta R.T.: -0.024 min
Response: 2903246
Conc: 32.36 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
 Data File : FC069185.D
 Signal(s) : FID1A.ch
 Acq On : 12 Jun 2025 13:40
 Sample : Q2177-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.238	3.204	3.341	BV	67	2330	0.08%	0.032%
2	3.343	3.341	3.386	VV	104	799	0.03%	0.011%
3	3.409	3.386	3.454	PV	438	4916	0.17%	0.068%
4	3.461	3.454	3.477	VV	99	420	0.01%	0.006%
5	3.488	3.477	3.494	PV	79	419	0.01%	0.006%
6	3.507	3.494	3.526	VV	73	1272	0.04%	0.018%
7	3.557	3.526	3.571	VV	113	1522	0.05%	0.021%
8	3.583	3.571	3.601	VV	110	1031	0.04%	0.014%
9	3.611	3.601	3.641	PV	130	1314	0.05%	0.018%
10	3.687	3.641	3.698	VV	121	2087	0.07%	0.029%
11	3.714	3.698	3.725	VV	229	2450	0.08%	0.034%
12	3.736	3.725	3.764	VV	248	2906	0.10%	0.040%
13	3.798	3.764	3.811	PV	200	3598	0.12%	0.050%
14	3.825	3.811	3.848	VV	193	2327	0.08%	0.032%
15	3.855	3.848	3.887	VV	95	1464	0.05%	0.020%
16	3.907	3.887	3.951	VV	379	7066	0.24%	0.098%
17	3.954	3.951	3.978	VV	129	1355	0.05%	0.019%
18	3.989	3.978	4.034	VV	354	4846	0.17%	0.067%
19	4.081	4.034	4.094	VV	523	7562	0.26%	0.105%
20	4.108	4.094	4.129	VV	756	7860	0.27%	0.109%
21	4.144	4.129	4.154	VV	213	1892	0.06%	0.026%
22	4.178	4.154	4.211	VV	263	4856	0.17%	0.067%
23	4.248	4.211	4.324	VV	803	16226	0.56%	0.225%
24	4.352	4.324	4.369	VV	168	2775	0.10%	0.038%
25	4.388	4.369	4.400	VV	188	2341	0.08%	0.032%
26	4.411	4.400	4.432	VV	169	3076	0.11%	0.043%
27	4.441	4.432	4.464	VV	151	2384	0.08%	0.033%
28	4.482	4.464	4.516	VV	893	12264	0.42%	0.170%
29	4.527	4.516	4.567	VV	324	6537	0.22%	0.091%
30	4.588	4.567	4.618	VV	303	6528	0.22%	0.091%
31	4.650	4.618	4.687	VV	698	13473	0.46%	0.187%
32	4.706	4.687	4.721	VV	505	6303	0.22%	0.087%
33	4.737	4.721	4.758	VV	931	9757	0.33%	0.135%
34	4.769	4.758	4.822	VV	151	3274	0.11%	0.045%
35	4.859	4.822	4.886	VV	179	3451	0.12%	0.048%
36	4.940	4.886	4.985	VV	157	4760	0.16%	0.066%

					rteres			
37	4.996	4.985	5.001	PV	72	472	0.02%	0.007%
38	5.008	5.001	5.031	VV	100	1118	0.04%	0.015%
39	5.039	5.031	5.078	VV	161	2277	0.08%	0.032%
40	5.118	5.078	5.151	VV	1823	24842	0.85%	0.344%
41	5.175	5.151	5.194	VV	361	5580	0.19%	0.077%
42	5.205	5.194	5.229	VV	237	2659	0.09%	0.037%
43	5.237	5.229	5.273	VV	117	2310	0.08%	0.032%
44	5.304	5.273	5.334	VV	126	2656	0.09%	0.037%
45	5.348	5.334	5.388	VV	169	2266	0.08%	0.031%
46	5.401	5.388	5.412	VV	208	1390	0.05%	0.019%
47	5.472	5.430	5.497	PV	194	3421	0.12%	0.047%
48	5.523	5.497	5.545	VV	638	8217	0.28%	0.114%
49	5.563	5.545	5.588	VV	654	8386	0.29%	0.116%
50	5.619	5.588	5.674	VV	219	5302	0.18%	0.073%
51	5.711	5.674	5.734	VV	272	5617	0.19%	0.078%
52	5.743	5.734	5.764	VV	193	1359	0.05%	0.019%
53	5.814	5.764	5.848	VV	282	5432	0.19%	0.075%
54	5.873	5.848	5.973	VV	368	6563	0.23%	0.091%
55	5.985	5.973	6.018	VV	112	2259	0.08%	0.031%
56	6.026	6.018	6.058	VV	142	2832	0.10%	0.039%
57	6.080	6.058	6.104	VV	316	6140	0.21%	0.085%
58	6.122	6.104	6.148	VV	266	5158	0.18%	0.072%
59	6.166	6.148	6.198	VV	381	6437	0.22%	0.089%
60	6.223	6.198	6.274	VV	294	7818	0.27%	0.108%
61	6.283	6.274	6.332	VV	165	3788	0.13%	0.053%
62	6.393	6.332	6.411	VV	145	4170	0.14%	0.058%
63	6.427	6.411	6.461	VV	136	3031	0.10%	0.042%
64	6.507	6.461	6.570	VV	3013	38401	1.32%	0.532%
65	6.590	6.570	6.609	VV	324	3642	0.13%	0.050%
66	6.628	6.609	6.638	VV	199	2337	0.08%	0.032%
67	6.656	6.638	6.677	VV	475	6000	0.21%	0.083%
68	6.690	6.677	6.714	VV	188	2826	0.10%	0.039%
69	6.728	6.714	6.781	VV	255	3409	0.12%	0.047%
70	6.792	6.781	6.804	VV	51	317	0.01%	0.004%
71	6.827	6.804	6.854	PV	130	1446	0.05%	0.020%
72	6.878	6.854	6.898	VV	112	1694	0.06%	0.023%
73	6.909	6.898	6.937	VV	87	1622	0.06%	0.022%
74	6.950	6.937	6.966	VV	270	2971	0.10%	0.041%
75	6.976	6.966	6.985	VV	132	1268	0.04%	0.018%
76	7.005	6.985	7.038	VV	361	7841	0.27%	0.109%
77	7.052	7.038	7.094	VV	362	7476	0.26%	0.104%
78	7.131	7.094	7.158	VV	544	9714	0.33%	0.135%
79	7.166	7.158	7.201	VV	194	3953	0.14%	0.055%
80	7.237	7.201	7.264	VV	167	4410	0.15%	0.061%
81	7.293	7.264	7.327	VV	1166	14577	0.50%	0.202%
82	7.350	7.327	7.388	VV	239	6113	0.21%	0.085%
83	7.400	7.388	7.414	VV	239	3225	0.11%	0.045%
84	7.432	7.414	7.473	VV	1050	13916	0.48%	0.193%
85	7.499	7.473	7.510	VV	186	3425	0.12%	0.047%
86	7.528	7.510	7.574	VV	328	5866	0.20%	0.081%
87	7.591	7.574	7.626	VV	131	2723	0.09%	0.038%
88	7.645	7.626	7.668	VV	144	2451	0.08%	0.034%
89	7.696	7.668	7.725	PV	476	6469	0.22%	0.090%

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90	7.783	7.725	7.798	VV	240	6094	0.21%	0.084%
91	7.841	7.798	7.854	VV	201	5162	0.18%	0.072%
92	7.865	7.854	7.881	VV	186	2229	0.08%	0.031%
93	7.893	7.881	7.903	VV	161	1557	0.05%	0.022%
94	7.914	7.903	7.938	VV	140	1618	0.06%	0.022%
95	7.954	7.938	7.981	PV	160	2386	0.08%	0.033%
96	8.001	7.981	8.028	VV	551	7092	0.24%	0.098%
97	8.057	8.028	8.113	VV	812	13239	0.45%	0.184%
98	8.156	8.113	8.164	VV	269	5525	0.19%	0.077%
99	8.175	8.164	8.184	VV	262	2640	0.09%	0.037%
100	8.211	8.184	8.255	VV	705	15579	0.53%	0.216%
101	8.264	8.255	8.282	VV	320	3923	0.13%	0.054%
102	8.306	8.282	8.388	VV	3069	42981	1.48%	0.596%
103	8.418	8.388	8.471	VV	380	13947	0.48%	0.193%
104	8.499	8.471	8.523	VV	283	5858	0.20%	0.081%
105	8.542	8.523	8.581	VV	285	5089	0.17%	0.071%
106	8.621	8.581	8.701	VV	2456	41310	1.42%	0.573%
107	8.708	8.701	8.750	VV	256	6340	0.22%	0.088%
108	8.806	8.750	8.831	VV	439	16920	0.58%	0.235%
109	8.847	8.831	8.888	VV	479	11402	0.39%	0.158%
110	8.910	8.888	8.943	VV	237	4357	0.15%	0.060%
111	8.962	8.943	8.981	VV	221	2853	0.10%	0.040%
112	9.027	8.981	9.054	VV	1361	23202	0.80%	0.322%
113	9.068	9.054	9.103	VV	512	11237	0.39%	0.156%
114	9.147	9.103	9.199	VV	978	25773	0.88%	0.357%
115	9.218	9.199	9.247	VV	360	5436	0.19%	0.075%
116	9.269	9.247	9.284	VV	277	3581	0.12%	0.050%
117	9.315	9.284	9.335	VV	255	4853	0.17%	0.067%
118	9.369	9.335	9.403	VV	291	8059	0.28%	0.112%
119	9.429	9.403	9.477	VV	406	9304	0.32%	0.129%
120	9.499	9.477	9.541	VV	664	12566	0.43%	0.174%
121	9.556	9.541	9.574	VV	359	4862	0.17%	0.067%
122	9.592	9.574	9.611	VV	252	4443	0.15%	0.062%
123	9.637	9.611	9.667	VV	365	8598	0.30%	0.119%
124	9.690	9.667	9.732	VV	905	12934	0.44%	0.179%
125	9.776	9.732	9.808	VV	157	4260	0.15%	0.059%
126	9.832	9.808	9.868	VV	378	6581	0.23%	0.091%
127	9.911	9.868	9.945	VV	1090	17121	0.59%	0.237%
128	9.993	9.945	10.034	VV	241	7718	0.26%	0.107%
129	10.077	10.034	10.111	VV	169	4439	0.15%	0.062%
130	10.128	10.111	10.174	VV	264	4272	0.15%	0.059%
131	10.185	10.174	10.205	VV	180	2147	0.07%	0.030%
132	10.241	10.205	10.278	VV	231	5780	0.20%	0.080%
133	10.304	10.278	10.321	VV	313	5668	0.19%	0.079%
134	10.347	10.321	10.367	VV	284	4859	0.17%	0.067%
135	10.391	10.367	10.438	VV	292	7542	0.26%	0.105%
136	10.463	10.438	10.487	VV	206	4823	0.17%	0.067%
137	10.554	10.487	10.610	VV	334	15479	0.53%	0.215%
138	10.652	10.610	10.687	VV	392	10913	0.37%	0.151%
139	10.746	10.687	10.818	PV	506	21477	0.74%	0.298%
140	10.847	10.818	10.881	VV	248	7169	0.25%	0.099%
141	10.896	10.881	10.922	VV	207	4222	0.14%	0.059%

					rteres			
142	10.931	10.922	10.963	VV	188	3861	0.13%	0.054%
143	10.978	10.963	11.001	VV	240	3857	0.13%	0.053%
144	11.021	11.001	11.053	VV	295	5928	0.20%	0.082%
145	11.078	11.053	11.094	VV	228	4428	0.15%	0.061%
146	11.106	11.094	11.137	VV	116	2375	0.08%	0.033%
147	11.157	11.137	11.184	VV	238	3433	0.12%	0.048%
148	11.194	11.184	11.243	PV	98	1998	0.07%	0.028%
149	11.285	11.243	11.331	VV	3076	45823	1.57%	0.635%
150	11.357	11.331	11.388	VV	1793	26236	0.90%	0.364%
151	11.394	11.388	11.421	VV	184	2617	0.09%	0.036%
152	11.451	11.421	11.492	VV	999	14791	0.51%	0.205%
153	11.524	11.492	11.571	VV	104	2872	0.10%	0.040%
154	11.594	11.571	11.605	VV	158	2211	0.08%	0.031%
155	11.636	11.605	11.655	VV	253	4355	0.15%	0.060%
156	11.666	11.655	11.674	VV	225	2023	0.07%	0.028%
157	11.678	11.674	11.731	VV	209	5072	0.17%	0.070%
158	11.768	11.731	11.788	VV	308	6980	0.24%	0.097%
159	11.813	11.788	11.827	VV	296	5182	0.18%	0.072%
160	11.843	11.827	11.914	VV	289	7770	0.27%	0.108%
161	11.926	11.914	11.944	VV	107	1856	0.06%	0.026%
162	11.979	11.944	11.988	VV	223	4582	0.16%	0.064%
163	12.024	11.988	12.048	VV	438	10755	0.37%	0.149%
164	12.072	12.048	12.101	VV	219	4904	0.17%	0.068%
165	12.158	12.101	12.175	VV	174	5467	0.19%	0.076%
166	12.185	12.175	12.211	VV	179	2537	0.09%	0.035%
167	12.254	12.211	12.281	VV	342	8544	0.29%	0.118%
168	12.301	12.281	12.326	VV	269	5343	0.18%	0.074%
169	12.335	12.326	12.344	VV	202	1832	0.06%	0.025%
170	12.358	12.344	12.376	VV	247	3036	0.10%	0.042%
171	12.399	12.376	12.420	VV	357	5420	0.19%	0.075%
172	12.475	12.420	12.501	VV	307	11209	0.38%	0.155%
173	12.529	12.501	12.574	VV	479	9577	0.33%	0.133%
174	12.606	12.574	12.640	VV	622	9934	0.34%	0.138%
175	12.666	12.640	12.768	VV	1257	24253	0.83%	0.336%
176	12.786	12.768	12.813	VV	432	6699	0.23%	0.093%
177	12.851	12.813	12.900	VV	129	3854	0.13%	0.053%
178	12.937	12.900	12.985	VV	162	4657	0.16%	0.065%
179	12.995	12.985	13.004	VV	114	861	0.03%	0.012%
180	13.034	13.004	13.045	PV	163	1761	0.06%	0.024%
181	13.115	13.045	13.158	VV	239763	2913170	100.00%	40.384%
182	13.164	13.158	13.173	VV	321	2776	0.10%	0.038%
183	13.184	13.173	13.204	VV	11663	28015	0.96%	0.388%
184	13.220	13.204	13.254	VV	234	4535	0.16%	0.063%
185	13.281	13.254	13.314	VV	400	9437	0.32%	0.131%
186	13.331	13.314	13.369	VV	360	6536	0.22%	0.091%
187	13.387	13.369	13.431	VV	257	5611	0.19%	0.078%
188	13.452	13.431	13.528	VV	244	8075	0.28%	0.112%
189	13.559	13.528	13.591	VV	284	7218	0.25%	0.100%
190	13.627	13.591	13.639	VV	162	3781	0.13%	0.052%
191	13.666	13.639	13.691	VV	286	5644	0.19%	0.078%
192	13.727	13.691	13.762	VV	301	7726	0.27%	0.107%
193	13.817	13.762	13.841	VV	647	12472	0.43%	0.173%
194	13.868	13.841	13.901	VV	1303	20201	0.69%	0.280%

					rteres			
195	13.924	13.901	14.003	VV	346	10370	0.36%	0.144%
196	14.020	14.003	14.048	VV	201	4244	0.15%	0.059%
197	14.098	14.048	14.123	VV	426	10670	0.37%	0.148%
198	14.159	14.123	14.176	VV	275	6731	0.23%	0.093%
199	14.192	14.176	14.224	VV	318	6673	0.23%	0.093%
200	14.242	14.224	14.250	VV	333	4268	0.15%	0.059%
201	14.305	14.250	14.364	VV	1084	34603	1.19%	0.480%
202	14.385	14.364	14.408	VV	770	12836	0.44%	0.178%
203	14.432	14.408	14.451	VV	685	12084	0.41%	0.168%
204	14.500	14.451	14.514	VV	512	15173	0.52%	0.210%
205	14.528	14.514	14.538	VV	449	6055	0.21%	0.084%
206	14.561	14.538	14.604	VV	556	19287	0.66%	0.267%
207	14.625	14.604	14.650	VV	465	10782	0.37%	0.149%
208	14.693	14.650	14.746	VV	860	29441	1.01%	0.408%
209	14.796	14.746	14.821	VV	554	20313	0.70%	0.282%
210	14.831	14.821	14.888	VV	455	17304	0.59%	0.240%
211	14.926	14.888	14.948	VV	822	22621	0.78%	0.314%
212	14.972	14.948	15.035	VV	1520	38826	1.33%	0.538%
213	15.041	15.035	15.054	VV	442	4923	0.17%	0.068%
214	15.064	15.054	15.091	VV	489	9055	0.31%	0.126%
215	15.129	15.091	15.204	VV	594	32400	1.11%	0.449%
216	15.222	15.204	15.247	VV	454	9044	0.31%	0.125%
217	15.258	15.247	15.271	VV	412	4917	0.17%	0.068%
218	15.307	15.271	15.328	VV	603	16098	0.55%	0.223%
219	15.343	15.328	15.368	VV	422	8823	0.30%	0.122%
220	15.397	15.368	15.428	VV	625	16760	0.58%	0.232%
221	15.441	15.428	15.473	VV	450	9655	0.33%	0.134%
222	15.492	15.473	15.534	VV	752	17543	0.60%	0.243%
223	15.548	15.534	15.568	VV	378	5962	0.20%	0.083%
224	15.579	15.568	15.591	VV	383	4157	0.14%	0.058%
225	15.641	15.591	15.660	VV	462	13662	0.47%	0.189%
226	15.674	15.660	15.689	VV	344	5092	0.17%	0.071%
227	15.720	15.689	15.741	VV	425	9537	0.33%	0.132%
228	15.767	15.741	15.795	VV	460	10881	0.37%	0.151%
229	15.819	15.795	15.843	VV	354	9036	0.31%	0.125%
230	15.859	15.843	15.876	VV	339	5654	0.19%	0.078%
231	15.923	15.876	15.938	VV	477	10966	0.38%	0.152%
232	15.956	15.938	15.971	VV	519	7754	0.27%	0.107%
233	15.996	15.971	16.022	VV	1056	17893	0.61%	0.248%
234	16.037	16.022	16.071	VV	230	4888	0.17%	0.068%
235	16.128	16.071	16.159	VV	3515	13449	0.46%	0.186%
236	16.211	16.159	16.238	VV	345	10410	0.36%	0.144%
237	16.272	16.238	16.291	PV	196	3725	0.13%	0.052%
238	16.301	16.291	16.316	VV	304	2672	0.09%	0.037%
239	16.365	16.316	16.431	VV	232	9364	0.32%	0.130%
240	16.479	16.431	16.505	VV	752	14593	0.50%	0.202%
241	16.514	16.505	16.560	VV	251	4901	0.17%	0.068%
242	16.645	16.560	16.712	VV	473	21732	0.75%	0.301%
243	16.724	16.712	16.734	VV	102	1280	0.04%	0.018%
244	16.762	16.734	16.778	VV	173	3058	0.10%	0.042%
245	16.837	16.778	16.852	VV	266	7513	0.26%	0.104%
246	16.947	16.852	16.970	VV	1182	31699	1.09%	0.439%

					rteres			
247	16.981	16.970	17.028	VV	465	9938	0.34%	0.138%
248	17.045	17.028	17.117	VV	233	8108	0.28%	0.112%
249	17.202	17.117	17.242	VV	692	21546	0.74%	0.299%
250	17.271	17.242	17.318	VV	635	16673	0.57%	0.231%
251	17.343	17.318	17.354	VV	470	8197	0.28%	0.114%
252	17.375	17.354	17.385	VV	855	12188	0.42%	0.169%
253	17.398	17.385	17.467	VV	889	20726	0.71%	0.287%
254	17.521	17.467	17.554	VV	689	20451	0.70%	0.284%
255	17.573	17.554	17.604	VV	392	8258	0.28%	0.114%
256	17.617	17.604	17.658	VV	297	6337	0.22%	0.088%
257	17.700	17.658	17.720	VV	352	8574	0.29%	0.119%
258	17.753	17.720	17.768	VV	345	6083	0.21%	0.084%
259	17.789	17.768	17.807	VV	501	8610	0.30%	0.119%
260	17.837	17.807	17.864	VV	1497	24442	0.84%	0.339%
261	17.890	17.864	17.924	VV	477	11017	0.38%	0.153%
262	17.992	17.924	18.079	VV	1294	40644	1.40%	0.563%
263	18.089	18.079	18.095	VV	198	1426	0.05%	0.020%
264	18.102	18.095	18.136	VV	189	3783	0.13%	0.052%
265	18.162	18.136	18.175	VV	280	4163	0.14%	0.058%
266	18.194	18.175	18.208	VV	404	6197	0.21%	0.086%
267	18.217	18.208	18.241	VV	392	5656	0.19%	0.078%
268	18.262	18.241	18.287	VV	1026	14686	0.50%	0.204%
269	18.322	18.287	18.344	VV	403	9391	0.32%	0.130%
270	18.362	18.344	18.384	VV	898	14140	0.49%	0.196%
271	18.390	18.384	18.459	VV	345	7203	0.25%	0.100%
272	18.513	18.459	18.571	PV	398	13414	0.46%	0.186%
273	18.613	18.571	18.634	VV	238	5967	0.20%	0.083%
274	18.670	18.634	18.716	VV	1370	25677	0.88%	0.356%
275	18.728	18.716	18.747	VV	128	1523	0.05%	0.021%
276	18.785	18.747	18.804	VV	423	6827	0.23%	0.095%
277	18.831	18.804	18.852	VV	464	8350	0.29%	0.116%
278	18.864	18.852	18.886	VV	307	4561	0.16%	0.063%
279	18.927	18.886	18.951	VV	282	8210	0.28%	0.114%
280	18.962	18.951	18.991	VV	303	5021	0.17%	0.070%
281	19.000	18.991	19.022	VV	190	3368	0.12%	0.047%
282	19.069	19.022	19.091	VV	1074	21013	0.72%	0.291%
283	19.112	19.091	19.151	VV	642	17650	0.61%	0.245%
284	19.183	19.151	19.222	VV	662	20169	0.69%	0.280%
285	19.246	19.222	19.261	VV	469	8443	0.29%	0.117%
286	19.273	19.261	19.354	VV	432	18036	0.62%	0.250%
287	19.388	19.354	19.420	VV	454	13941	0.48%	0.193%
288	19.457	19.420	19.491	VV	1378	30706	1.05%	0.426%
289	19.496	19.491	19.537	VV	520	10680	0.37%	0.148%
290	19.615	19.537	19.624	VV	518	22855	0.78%	0.317%
291	19.663	19.624	19.673	VV	620	16397	0.56%	0.227%
292	19.738	19.673	19.791	VV	933	53200	1.83%	0.737%
293	19.831	19.791	19.858	VV	1213	35543	1.22%	0.493%
294	19.889	19.858	19.898	VV	758	17186	0.59%	0.238%
295	20.026	19.898	20.043	VV	1108	83522	2.87%	1.158%
296	20.084	20.043	20.094	VV	1174	34312	1.18%	0.476%
297	20.116	20.094	20.128	VV	1231	23798	0.82%	0.330%
298	20.136	20.128	20.148	VV	1140	13427	0.46%	0.186%
299	20.200	20.148	20.224	VV	2234	71300	2.45%	0.988%

					rteres			
300	20.251	20.224	20.315	VV	1693	85825	2.95%	1.190%
301	20.370	20.315	20.414	VV	1686	96377	3.31%	1.336%
302	20.424	20.414	20.438	VV	1726	22858	0.78%	0.317%
303	20.479	20.438	20.514	VV	1745	77431	2.66%	1.073%
304	20.563	20.514	20.624	VV	1930	110077	3.78%	1.526%
305	20.761	20.624	20.898	VV	2196	289999	9.95%	4.020%
306	20.908	20.898	20.924	VV	1445	21274	0.73%	0.295%
307	20.964	20.924	21.009	VV	2256	84964	2.92%	1.178%
308	21.022	21.009	21.034	VV	1383	20878	0.72%	0.289%
309	21.044	21.034	21.104	VV	1428	54099	1.86%	0.750%
310	21.125	21.104	21.148	VV	1247	31083	1.07%	0.431%
311	21.161	21.148	21.179	VV	1211	21673	0.74%	0.300%
312	21.188	21.179	21.245	VV	1147	42225	1.45%	0.585%
313	21.266	21.245	21.287	VV	1018	24105	0.83%	0.334%
314	21.339	21.287	21.348	VV	1027	35586	1.22%	0.493%
315	21.362	21.348	21.384	VV	1054	20438	0.70%	0.283%
316	21.419	21.384	21.461	VV	1075	44219	1.52%	0.613%
317	21.511	21.461	21.579	VV	954	62224	2.14%	0.863%
318	21.589	21.579	21.603	VV	809	11058	0.38%	0.153%
319	21.619	21.603	21.676	VV	802	29818	1.02%	0.413%
320	21.681	21.676	21.694	VV	629	6446	0.22%	0.089%
321	21.706	21.694	21.718	VV	633	7995	0.27%	0.111%
322	21.724	21.718	21.761	VV	734	15292	0.52%	0.212%
323	21.805	21.761	21.846	VV	649	29584	1.02%	0.410%
324	21.901	21.846	21.987	VV	4085	72339	2.48%	1.003%
325	21.999	21.987	22.044	VV	541	15588	0.54%	0.216%
326	22.067	22.044	22.118	VV	391	14809	0.51%	0.205%
327	22.130	22.118	22.158	VV	296	6372	0.22%	0.088%
328	22.262	22.158	22.270	VV	665	27659	0.95%	0.383%
329	22.292	22.270	22.411	VV	814	44378	1.52%	0.615%
330	22.421	22.411	22.491	VV	211	3482	0.12%	0.048%

Sum of corrected areas: 7213602

Aliphatic EPH 052425.M Fri Jun 13 03:35:19 2025

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.4
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
FD049459.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.35	J	0.14	0.78	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.41	J	0.27	1.17	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.92		0.47	1.95	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.05	J	1.39	3.12	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	40.8		40 - 140	82%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	40.6		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.4		40 - 140	75%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2177-06	Acq On:	12 Jun 2025 13:40
Client Sample ID:	B-202-SB01	Operator:	YP/AJ
Data file:	FD049459.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.424	6.168	757353	4.526	200	ug/ml
Aromatic C12-C16	6.169	8.797	978175	5.216	300	ug/ml
Aromatic C16-C21	8.798	13.088	6923910	37.479	500	ug/ml
Aromatic C21-C36	13.089	18.510	3805918	26.237	800	ug/ml
Aromatic EPH	4.424	18.510	12465356	73.458		ug/ml
ortho-Terphenyl (SURR)	11.646	11.646	7498843	37.36		ug/ml
2-Bromonaphthalene (SURR)	7.733	7.733	6787663	40.83		ug/ml
2-Fluorobiphenyl (SURR)	8.599	8.599	4648646	40.64		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
 Data File : FD049459.D
 Signal(s) : FID2B.ch
 Acq On : 12 Jun 2025 13:40
 Operator : YP/AJ
 Sample : Q2177-06
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-202-SB01

Integration File: autoint1.e
 Quant Time: Jun 13 04:14:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.733	6787663	40.832 ug/ml
Spiked Amount 50.000		Recovery =	81.66%
6) S 2-Fluorobiphenyl (SURR)	8.599	4648646	40.636 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	81.27%
11) S ortho-Terphenyl (SURR)	11.646	7498843	37.360 ug/ml
Spiked Amount 50.000		Recovery =	74.72%

Target Compounds

(f)=RT Delta > 1/2 Window

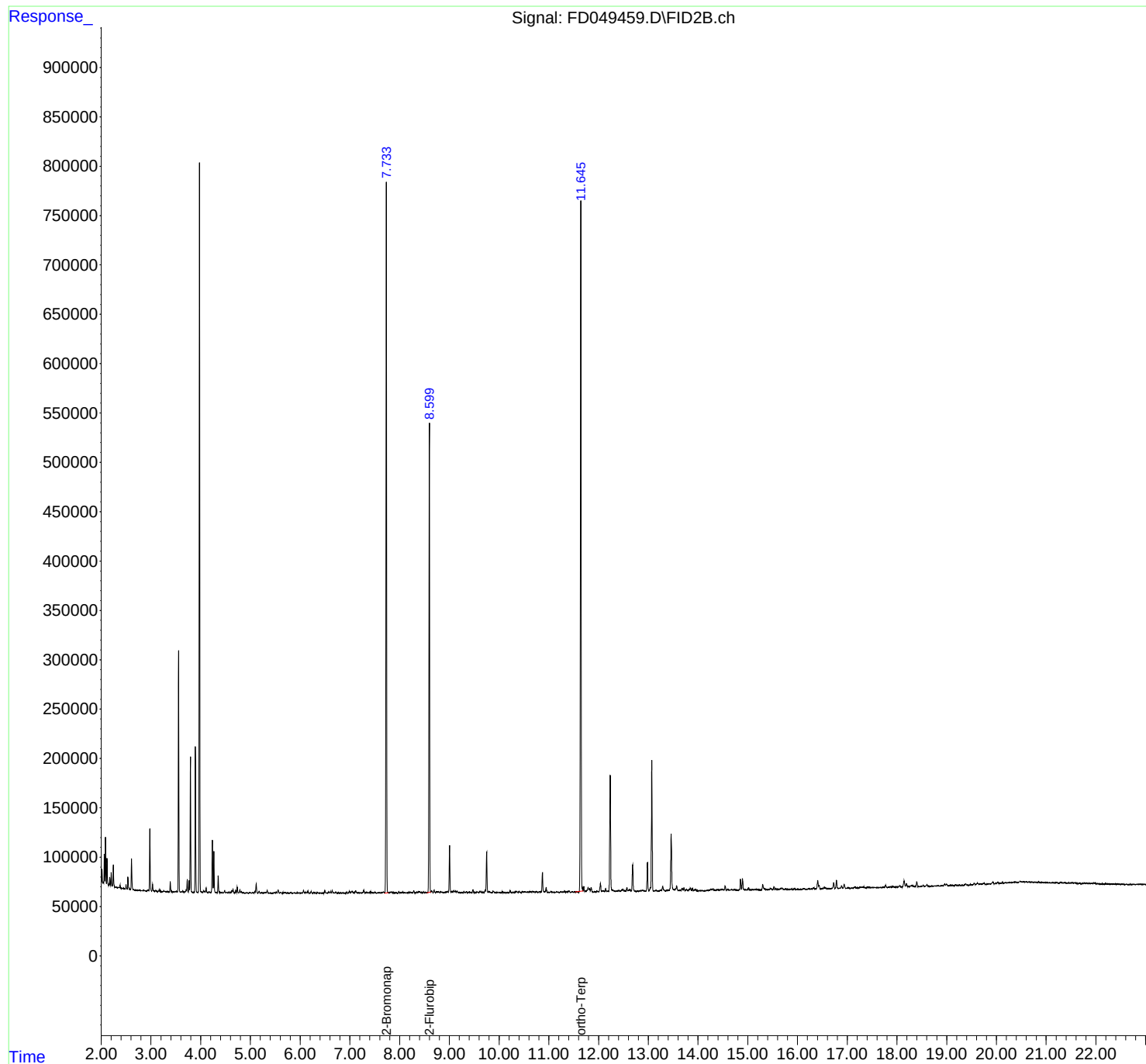
(m)=manual int.

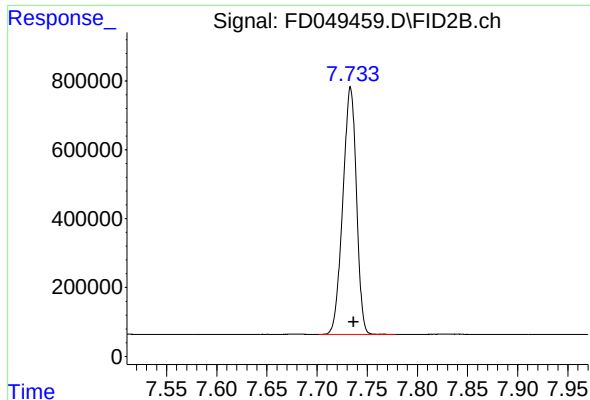
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
Data File : FD049459.D
Signal(s) : FID2B.ch
Acq On : 12 Jun 2025 13:40
Operator : YP/AJ
Sample : Q2177-06
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-202-SB01

Integration File: autoint1.e
Quant Time: Jun 13 04:14:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

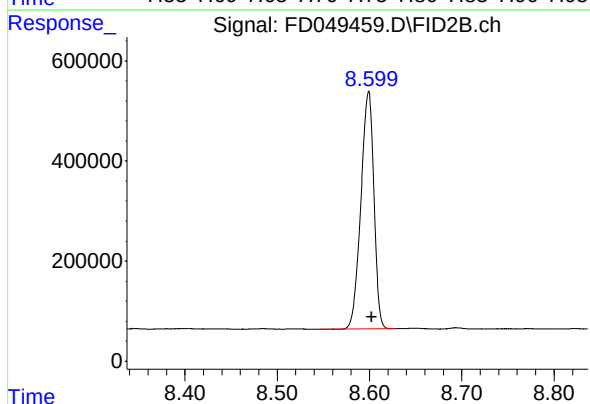




#4 2-Bromonaphthalene (SURR)

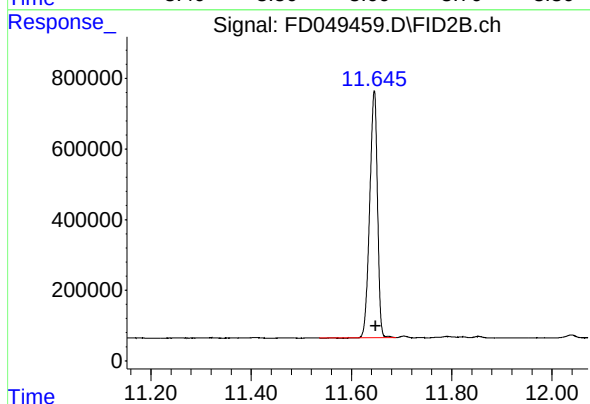
R.T.: 7.733 min
Delta R.T.: -0.003 min
Response: 6787663
Conc: 40.83 ug/ml

Instrument :
FID_D
ClientSampleId :
B-202-SB01



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.599 min
Delta R.T.: -0.003 min
Response: 4648646
Conc: 40.64 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.646 min
Delta R.T.: -0.003 min
Response: 7498843
Conc: 37.36 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
 Data File : FD049459.D
 Signal(s) : FID2B.ch
 Acq On : 12 Jun 2025 13:40
 Sample : Q2177-06
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.265	4.252	4.307	PH	41913	360561	4.79%	1.122%
2	4.325	4.317	4.332	VV	302	1703	0.02%	0.005%
3	4.353	4.332	4.409	VV	17166	149372	1.98%	0.465%
4	4.426	4.409	4.448	VV	417	5353	0.07%	0.017%
5	4.482	4.459	4.506	PV	2610	26146	0.35%	0.081%
6	4.526	4.506	4.546	VV	796	10362	0.14%	0.032%
7	4.567	4.546	4.585	VV	784	11758	0.16%	0.037%
8	4.596	4.585	4.611	VV	915	7706	0.10%	0.024%
9	4.627	4.611	4.638	VV	2665	24574	0.33%	0.076%
10	4.650	4.638	4.675	VV	3889	38572	0.51%	0.120%
11	4.684	4.675	4.688	VV	416	2188	0.03%	0.007%
12	4.706	4.688	4.719	VV	2875	27712	0.37%	0.086%
13	4.736	4.719	4.764	VV	6122	59868	0.80%	0.186%
14	4.788	4.764	4.805	VV	3478	33253	0.44%	0.103%
15	4.817	4.805	4.838	VV	1627	17539	0.23%	0.055%
16	4.855	4.838	4.878	VV	633	8075	0.11%	0.025%
17	4.899	4.892	4.906	VV	300	1577	0.02%	0.005%
18	4.925	4.906	4.947	VV	579	7477	0.10%	0.023%
19	4.950	4.947	4.966	VV	232	1777	0.02%	0.006%
20	4.993	4.966	5.001	VV	432	6282	0.08%	0.020%
21	5.005	5.001	5.017	VV	426	2880	0.04%	0.009%
22	5.020	5.017	5.025	VV	242	1034	0.01%	0.003%
23	5.042	5.025	5.056	VV	747	7884	0.10%	0.025%
24	5.091	5.056	5.100	VV	2231	24935	0.33%	0.078%
25	5.117	5.100	5.149	VV	9386	102126	1.36%	0.318%
26	5.174	5.149	5.197	VV	1895	23588	0.31%	0.073%
27	5.221	5.197	5.251	VV	821	13148	0.17%	0.041%
28	5.258	5.251	5.267	VV	245	1572	0.02%	0.005%
29	5.292	5.267	5.297	VV	496	6251	0.08%	0.019%
30	5.307	5.297	5.322	VV	702	7779	0.10%	0.024%
31	5.338	5.322	5.386	VV	3107	34895	0.46%	0.109%
32	5.394	5.386	5.425	VV	274	2686	0.04%	0.008%
33	5.439	5.433	5.455	VV	230	1176	0.02%	0.004%
34	5.480	5.455	5.501	VV	600	7870	0.10%	0.024%
35	5.518	5.501	5.535	PV	1520	13253	0.18%	0.041%
36	5.559	5.535	5.583	VV	3340	41436	0.55%	0.129%

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37	5.594	5.583	5.600	VV	490	4511	0.06%	0.014%
38	5.618	5.600	5.635	VV	933	11918	0.16%	0.037%
39	5.643	5.635	5.663	VV	492	5544	0.07%	0.017%
40	5.677	5.663	5.759	VV	607	20982	0.28%	0.065%
41	5.763	5.759	5.787	VV	301	2801	0.04%	0.009%
42	5.810	5.787	5.837	PV	693	10084	0.13%	0.031%
43	5.860	5.837	5.870	VV	388	4883	0.06%	0.015%
44	5.873	5.870	5.897	VV	451	4697	0.06%	0.015%
45	5.902	5.897	5.922	VV	368	3198	0.04%	0.010%
46	5.943	5.922	5.950	VV	492	4859	0.06%	0.015%
47	5.953	5.950	5.972	VV	405	3929	0.05%	0.012%
48	5.980	5.972	5.989	VV	331	2662	0.04%	0.008%
49	6.008	5.989	6.014	VV	497	4832	0.06%	0.015%
50	6.020	6.014	6.032	VV	331	3040	0.04%	0.009%
51	6.069	6.032	6.092	VV	3112	39261	0.52%	0.122%
52	6.113	6.092	6.138	VV	1034	17060	0.23%	0.053%
53	6.156	6.138	6.189	VV	2435	30360	0.40%	0.094%
54	6.221	6.189	6.258	VV	1349	23826	0.32%	0.074%
55	6.275	6.258	6.282	VV	705	6976	0.09%	0.022%
56	6.287	6.282	6.317	VV	886	9671	0.13%	0.030%
57	6.321	6.317	6.326	VV	248	1128	0.01%	0.004%
58	6.345	6.326	6.373	VV	762	12015	0.16%	0.037%
59	6.379	6.373	6.389	VV	320	1549	0.02%	0.005%
60	6.448	6.432	6.469	VV	427	5945	0.08%	0.019%
61	6.496	6.473	6.521	VV	3213	36202	0.48%	0.113%
62	6.539	6.521	6.544	VV	371	3298	0.04%	0.010%
63	6.578	6.544	6.599	VV	1189	21388	0.28%	0.067%
64	6.617	6.599	6.630	VV	1444	15484	0.21%	0.048%
65	6.645	6.630	6.664	VV	2862	29883	0.40%	0.093%
66	6.680	6.664	6.700	VV	655	8070	0.11%	0.025%
67	6.717	6.700	6.745	VV	1559	16230	0.22%	0.051%
68	6.769	6.745	6.790	VV	458	7660	0.10%	0.024%
69	6.796	6.790	6.803	VV	304	1880	0.02%	0.006%
70	6.826	6.803	6.849	VV	522	7842	0.10%	0.024%
71	6.854	6.849	6.859	VV	439	1837	0.02%	0.006%
72	6.863	6.859	6.885	VV	502	4310	0.06%	0.013%
73	6.890	6.885	6.909	VV	312	2201	0.03%	0.007%
74	6.937	6.922	6.957	PV	1042	11317	0.15%	0.035%
75	6.991	6.957	7.018	VV	1765	33036	0.44%	0.103%
76	7.039	7.018	7.087	VV	1803	43303	0.58%	0.135%
77	7.118	7.087	7.144	VV	2682	41483	0.55%	0.129%
78	7.148	7.144	7.157	VV	615	3954	0.05%	0.012%
79	7.173	7.157	7.215	VV	924	16518	0.22%	0.051%
80	7.223	7.215	7.243	VV	394	4230	0.06%	0.013%
81	7.279	7.243	7.312	VV	3248	45846	0.61%	0.143%
82	7.337	7.312	7.372	VV	904	18441	0.24%	0.057%
83	7.385	7.372	7.398	VV	865	9458	0.13%	0.029%
84	7.417	7.398	7.438	VV	1603	20433	0.27%	0.064%
85	7.454	7.438	7.469	VV	521	7022	0.09%	0.022%
86	7.485	7.469	7.492	VV	608	7006	0.09%	0.022%
87	7.509	7.492	7.533	VV	1108	15750	0.21%	0.049%
88	7.563	7.533	7.612	VV	679	18138	0.24%	0.056%
89	7.651	7.612	7.664	VV	745	14973	0.20%	0.047%

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90	7.679	7.664	7.699	VV	1433	17586	0.23%	0.055%
91	7.733	7.699	7.789	VV	718523	6806211	90.41%	21.184%
92	7.825	7.789	7.864	VV	1126	31584	0.42%	0.098%
93	7.871	7.864	7.892	VV	595	7253	0.10%	0.023%
94	7.900	7.892	7.917	VV	462	5473	0.07%	0.017%
95	7.939	7.917	7.959	VV	555	6713	0.09%	0.021%
96	7.983	7.959	8.005	PV	1715	20216	0.27%	0.063%
97	8.010	8.005	8.017	VV	450	2976	0.04%	0.009%
98	8.040	8.017	8.052	VV	852	11380	0.15%	0.035%
99	8.068	8.052	8.091	VV	1097	16122	0.21%	0.050%
100	8.096	8.091	8.102	VV	444	2789	0.04%	0.009%
101	8.116	8.102	8.127	VV	542	6065	0.08%	0.019%
102	8.131	8.127	8.139	VV	325	1806	0.02%	0.006%
103	8.184	8.139	8.204	VV	950	21568	0.29%	0.067%
104	8.214	8.204	8.233	VV	1029	13376	0.18%	0.042%
105	8.245	8.233	8.270	VV	822	13139	0.17%	0.041%
106	8.286	8.270	8.332	VV	2514	35603	0.47%	0.111%
107	8.347	8.332	8.361	VV	1378	14830	0.20%	0.046%
108	8.381	8.361	8.386	VV	1214	13353	0.18%	0.042%
109	8.400	8.386	8.419	VV	1551	21981	0.29%	0.068%
110	8.430	8.419	8.460	VV	932	16593	0.22%	0.052%
111	8.484	8.460	8.506	VV	1313	20123	0.27%	0.063%
112	8.519	8.506	8.556	VV	943	15782	0.21%	0.049%
113	8.599	8.556	8.628	VV	474654	4684934	62.23%	14.582%
114	8.650	8.628	8.677	VV	2222	41470	0.55%	0.129%
115	8.694	8.677	8.722	VV	3243	40272	0.53%	0.125%
116	8.747	8.722	8.763	VV	1159	24559	0.33%	0.076%
117	8.773	8.763	8.808	VV	1244	27260	0.36%	0.085%
118	8.823	8.808	8.840	VV	1253	19642	0.26%	0.061%
119	8.846	8.840	8.867	VV	1073	11764	0.16%	0.037%
120	8.884	8.867	8.897	VV	662	9787	0.13%	0.030%
121	8.911	8.897	8.920	VV	885	9368	0.12%	0.029%
122	8.938	8.920	8.952	VV	1251	17831	0.24%	0.055%
123	8.968	8.952	8.979	VV	2035	22198	0.29%	0.069%
124	9.006	8.979	9.031	VV	48450	493195	6.55%	1.535%
125	9.044	9.031	9.050	VV	1281	13437	0.18%	0.042%
126	9.053	9.050	9.073	VV	1330	14754	0.20%	0.046%
127	9.089	9.073	9.112	VV	2569	40671	0.54%	0.127%
128	9.127	9.112	9.145	VV	1996	31280	0.42%	0.097%
129	9.159	9.145	9.179	VV	2235	28682	0.38%	0.089%
130	9.194	9.179	9.231	VV	770	15028	0.20%	0.047%
131	9.255	9.231	9.277	VV	722	13075	0.17%	0.041%
132	9.291	9.277	9.317	VV	1308	17953	0.24%	0.056%
133	9.334	9.317	9.366	VV	1129	21218	0.28%	0.066%
134	9.371	9.366	9.374	VV	492	1969	0.03%	0.006%
135	9.393	9.374	9.414	VV	1039	19004	0.25%	0.059%
136	9.421	9.414	9.442	VV	583	7682	0.10%	0.024%
137	9.475	9.442	9.512	VV	3370	52723	0.70%	0.164%
138	9.517	9.512	9.523	VV	543	2987	0.04%	0.009%
139	9.530	9.523	9.535	VV	466	2684	0.04%	0.008%
140	9.559	9.535	9.582	VV	945	19382	0.26%	0.060%
141	9.622	9.582	9.654	VV	1386	38431	0.51%	0.120%

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142	9.660	9.654	9.666	VV	906	4666	0.06%	0.015%
143	9.685	9.666	9.697	VV	924	12906	0.17%	0.040%
144	9.721	9.697	9.732	VV	3151	36574	0.49%	0.114%
145	9.751	9.732	9.783	VV	41494	429365	5.70%	1.336%
146	9.796	9.783	9.843	VV	1255	24609	0.33%	0.077%
147	9.848	9.843	9.853	VV	422	1998	0.03%	0.006%
148	9.881	9.853	9.937	VV	1834	40326	0.54%	0.126%
149	9.959	9.937	9.974	VV	621	9415	0.13%	0.029%
150	9.985	9.974	10.020	VV	587	11138	0.15%	0.035%
151	10.026	10.020	10.038	VV	318	2690	0.04%	0.008%
152	10.076	10.038	10.105	VV	1011	20570	0.27%	0.064%
153	10.111	10.105	10.123	VV	500	2299	0.03%	0.007%
154	10.143	10.123	10.152	PV	360	2788	0.04%	0.009%
155	10.156	10.152	10.175	VV	355	3793	0.05%	0.012%
156	10.187	10.175	10.192	VV	418	3074	0.04%	0.010%
157	10.223	10.192	10.253	VV	2095	31476	0.42%	0.098%
158	10.272	10.253	10.293	VV	809	13013	0.17%	0.041%
159	10.325	10.293	10.333	VV	916	17072	0.23%	0.053%
160	10.353	10.333	10.376	VV	1540	25963	0.34%	0.081%
161	10.395	10.376	10.427	VV	1306	23388	0.31%	0.073%
162	10.436	10.427	10.452	VV	494	6236	0.08%	0.019%
163	10.470	10.452	10.494	VV	1276	22344	0.30%	0.070%
164	10.496	10.494	10.510	VV	790	7141	0.09%	0.022%
165	10.525	10.510	10.541	VV	1102	16124	0.21%	0.050%
166	10.570	10.541	10.585	VV	816	16317	0.22%	0.051%
167	10.609	10.585	10.628	VV	1153	21722	0.29%	0.068%
168	10.639	10.628	10.657	VV	1104	12856	0.17%	0.040%
169	10.675	10.657	10.692	VV	1439	20834	0.28%	0.065%
170	10.702	10.692	10.728	VV	977	16866	0.22%	0.052%
171	10.751	10.728	10.789	VV	1137	26059	0.35%	0.081%
172	10.812	10.789	10.825	VV	1134	16838	0.22%	0.052%
173	10.841	10.825	10.850	VV	917	10896	0.14%	0.034%
174	10.873	10.850	10.924	VV	20507	236280	3.14%	0.735%
175	10.947	10.924	10.981	VV	5303	68510	0.91%	0.213%
176	10.998	10.981	11.004	VV	497	5408	0.07%	0.017%
177	11.031	11.004	11.035	VV	567	7783	0.10%	0.024%
178	11.050	11.035	11.109	VV	758	19560	0.26%	0.061%
179	11.117	11.109	11.129	VV	362	2622	0.03%	0.008%
180	11.157	11.138	11.172	VV	1081	11813	0.16%	0.037%
181	11.179	11.172	11.207	VV	689	7115	0.09%	0.022%
182	11.252	11.207	11.276	VV	729	15836	0.21%	0.049%
183	11.280	11.276	11.287	VV	453	2518	0.03%	0.008%
184	11.294	11.287	11.300	VV	612	3924	0.05%	0.012%
185	11.319	11.300	11.342	VV	1170	17374	0.23%	0.054%
186	11.364	11.342	11.374	VV	590	7746	0.10%	0.024%
187	11.409	11.374	11.445	VV	1590	31670	0.42%	0.099%
188	11.472	11.445	11.496	PV	932	15266	0.20%	0.048%
189	11.525	11.496	11.546	VV	685	10754	0.14%	0.033%
190	11.562	11.546	11.579	VV	598	5971	0.08%	0.019%
191	11.646	11.579	11.669	VV	701074	7528157	100.00%	23.431%
192	11.674	11.669	11.689	VV	4958	41624	0.55%	0.130%
193	11.705	11.689	11.725	VV	5709	66487	0.88%	0.207%
194	11.736	11.725	11.753	VV	1479	19695	0.26%	0.061%

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195	11.791	11.753	11.811	VV	4713	96937	1.29%	0.302%
196	11.822	11.811	11.836	VV	3679	42254	0.56%	0.132%
197	11.853	11.836	11.893	VV	4727	60517	0.80%	0.188%
198	11.898	11.893	11.910	VV	289	2422	0.03%	0.008%
199	11.925	11.910	11.935	VV	449	4812	0.06%	0.015%
200	11.938	11.935	11.949	VV	259	1934	0.03%	0.006%
201	11.985	11.949	12.001	VV	875	18854	0.25%	0.059%
202	12.039	12.001	12.064	VV	8953	127078	1.69%	0.396%
203	12.082	12.064	12.114	VV	1650	30938	0.41%	0.096%
204	12.143	12.114	12.185	VV	3511	55150	0.73%	0.172%
205	12.235	12.185	12.283	VV	118308	1408412	18.71%	4.384%
206	12.292	12.283	12.312	VV	2113	27685	0.37%	0.086%
207	12.317	12.312	12.365	VV	1034	25680	0.34%	0.080%
208	12.373	12.365	12.380	VV	864	7502	0.10%	0.023%
209	12.396	12.380	12.410	VV	1622	22217	0.30%	0.069%
210	12.416	12.410	12.430	VV	1220	11128	0.15%	0.035%
211	12.435	12.430	12.442	VV	737	4835	0.06%	0.015%
212	12.462	12.442	12.470	VV	1780	20864	0.28%	0.065%
213	12.489	12.470	12.507	VV	2769	43889	0.58%	0.137%
214	12.518	12.507	12.534	VV	1499	16726	0.22%	0.052%
215	12.540	12.534	12.545	VV	800	4853	0.06%	0.015%
216	12.570	12.545	12.589	VV	4205	56631	0.75%	0.176%
217	12.629	12.589	12.650	VV	2501	58781	0.78%	0.183%
218	12.685	12.650	12.740	VV	27357	329049	4.37%	1.024%
219	12.757	12.740	12.772	VV	542	7636	0.10%	0.024%
220	12.782	12.772	12.790	VV	540	4405	0.06%	0.014%
221	12.797	12.790	12.800	VV	431	2173	0.03%	0.007%
222	12.814	12.800	12.826	VV	623	8099	0.11%	0.025%
223	12.845	12.826	12.859	VV	1249	15940	0.21%	0.050%
224	12.878	12.859	12.920	VV	1707	38196	0.51%	0.119%
225	12.924	12.920	12.941	VV	808	7570	0.10%	0.024%
226	12.947	12.941	12.957	VV	584	4237	0.06%	0.013%
227	12.983	12.957	13.012	VV	29398	323074	4.29%	1.006%
228	13.040	13.012	13.045	VV	3713	41807	0.56%	0.130%
229	13.071	13.045	13.103	VV	133009	1557568	20.69%	4.848%
230	13.122	13.103	13.134	VV	728	10178	0.14%	0.032%
231	13.159	13.134	13.177	VV	1241	19961	0.27%	0.062%
232	13.192	13.177	13.213	VV	652	8841	0.12%	0.028%
233	13.229	13.213	13.233	VV	555	4962	0.07%	0.015%
234	13.249	13.233	13.265	VV	1378	18545	0.25%	0.058%
235	13.290	13.265	13.348	VV	5071	91789	1.22%	0.286%
236	13.357	13.348	13.361	VV	722	4754	0.06%	0.015%
237	13.379	13.361	13.397	VV	1318	20342	0.27%	0.063%
238	13.403	13.397	13.419	VV	1000	11489	0.15%	0.036%
239	13.461	13.419	13.530	VV	57831	765433	10.17%	2.382%
240	13.570	13.530	13.608	VV	5791	113549	1.51%	0.353%
241	13.622	13.608	13.626	VV	919	8282	0.11%	0.026%
242	13.641	13.626	13.658	VV	1063	15367	0.20%	0.048%
243	13.680	13.658	13.701	VV	2960	46729	0.62%	0.145%
244	13.717	13.701	13.741	VV	3450	43303	0.58%	0.135%
245	13.767	13.741	13.794	VV	1742	31712	0.42%	0.099%
246	13.824	13.794	13.831	VV	1823	25400	0.34%	0.079%

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247	13.847	13.831	13.867	VV	3096	41977	0.56%	0.131%
248	13.888	13.867	13.914	VV	2793	37164	0.49%	0.116%
249	13.947	13.914	13.990	VV	1696	37561	0.50%	0.117%
250	13.995	13.990	14.009	VV	333	2021	0.03%	0.006%
251	14.017	14.009	14.038	VV	394	4607	0.06%	0.014%
252	14.047	14.038	14.070	VV	440	5663	0.08%	0.018%
253	14.073	14.070	14.101	VV	304	3676	0.05%	0.011%
254	14.108	14.101	14.132	VV	207	2311	0.03%	0.007%
255	14.153	14.132	14.158	PV	316	3070	0.04%	0.010%
256	14.162	14.158	14.167	VV	426	1336	0.02%	0.004%
257	14.211	14.167	14.226	VV	553	10856	0.14%	0.034%
258	14.257	14.226	14.287	VV	1906	41128	0.55%	0.128%
259	14.302	14.287	14.342	VV	2026	35792	0.48%	0.111%
260	14.385	14.342	14.400	VV	958	22828	0.30%	0.071%
261	14.404	14.400	14.433	VV	903	14410	0.19%	0.045%
262	14.481	14.433	14.499	VV	1698	40429	0.54%	0.126%
263	14.508	14.499	14.524	VV	957	12608	0.17%	0.039%
264	14.545	14.524	14.574	VV	4636	61223	0.81%	0.191%
265	14.604	14.574	14.626	VV	1750	31197	0.41%	0.097%
266	14.632	14.626	14.649	VV	419	4881	0.06%	0.015%
267	14.673	14.649	14.690	VV	1017	17296	0.23%	0.054%
268	14.712	14.690	14.724	VV	875	14267	0.19%	0.044%
269	14.730	14.724	14.746	VV	934	9635	0.13%	0.030%
270	14.754	14.746	14.795	VV	623	12210	0.16%	0.038%
271	14.810	14.795	14.817	VV	381	4228	0.06%	0.013%
272	14.821	14.817	14.827	VV	491	2611	0.03%	0.008%
273	14.853	14.827	14.873	VV	11509	137996	1.83%	0.430%
274	14.895	14.873	14.947	VV	11450	157008	2.09%	0.489%
275	14.957	14.947	14.974	VV	719	7130	0.09%	0.022%
276	15.017	14.974	15.038	VV	2489	40335	0.54%	0.126%
277	15.047	15.038	15.062	VV	551	6557	0.09%	0.020%
278	15.067	15.062	15.073	VV	396	1999	0.03%	0.006%
279	15.094	15.073	15.120	VV	1013	17209	0.23%	0.054%
280	15.128	15.120	15.137	VV	445	3435	0.05%	0.011%
281	15.163	15.137	15.190	VV	846	19628	0.26%	0.061%
282	15.217	15.190	15.249	VV	735	14589	0.19%	0.045%
283	15.300	15.249	15.380	PV	5565	120187	1.60%	0.374%
284	15.384	15.380	15.395	VV	520	3268	0.04%	0.010%
285	15.415	15.395	15.420	VV	522	4881	0.06%	0.015%
286	15.459	15.420	15.501	VV	1707	45249	0.60%	0.141%
287	15.526	15.501	15.545	VV	3344	42229	0.56%	0.131%
288	15.562	15.545	15.590	VV	1542	22517	0.30%	0.070%
289	15.604	15.590	15.619	VV	925	11204	0.15%	0.035%
290	15.667	15.619	15.674	VV	1522	30232	0.40%	0.094%
291	15.686	15.674	15.722	VV	1818	33378	0.44%	0.104%
292	15.726	15.722	15.733	VV	457	2021	0.03%	0.006%
293	15.742	15.733	15.748	VV	504	3785	0.05%	0.012%
294	15.764	15.748	15.795	VV	946	17131	0.23%	0.053%
295	15.806	15.795	15.830	VV	595	8529	0.11%	0.027%
296	15.848	15.830	15.863	VV	819	8498	0.11%	0.026%
297	15.874	15.863	15.891	VV	750	8072	0.11%	0.025%
298	15.897	15.891	15.902	VV	519	2958	0.04%	0.009%
299	15.905	15.902	15.917	VV	489	3468	0.05%	0.011%

					rteres			
300	15.941	15.917	15.968	VV	1183	17831	0.24%	0.055%
301	15.971	15.968	15.978	VV	217	1082	0.01%	0.003%
302	15.992	15.978	16.005	VV	287	3080	0.04%	0.010%
303	16.009	16.005	16.014	VV	203	1188	0.02%	0.004%
304	16.021	16.014	16.047	VV	252	2085	0.03%	0.006%
305	16.084	16.059	16.098	VV	239	4125	0.05%	0.013%
306	16.128	16.098	16.154	VV	918	16168	0.21%	0.050%
307	16.160	16.154	16.169	VV	387	2146	0.03%	0.007%
308	16.229	16.179	16.251	VV	696	13656	0.18%	0.043%
309	16.269	16.251	16.274	VV	275	2281	0.03%	0.007%
310	16.278	16.274	16.292	VV	242	2910	0.04%	0.009%
311	16.329	16.292	16.360	VV	1323	24906	0.33%	0.078%
312	16.405	16.360	16.424	VV	8715	125305	1.66%	0.390%
313	16.432	16.424	16.463	VV	3901	46324	0.62%	0.144%
314	16.470	16.463	16.490	VV	313	4129	0.05%	0.013%
315	16.504	16.490	16.515	VV	777	7822	0.10%	0.024%
316	16.537	16.515	16.609	VV	1885	48131	0.64%	0.150%
317	16.616	16.609	16.641	VV	326	4076	0.05%	0.013%
318	16.655	16.641	16.674	VV	492	4537	0.06%	0.014%
319	16.725	16.674	16.754	VV	6132	88304	1.17%	0.275%
320	16.782	16.754	16.826	VV	8735	114556	1.52%	0.357%
321	16.885	16.826	16.908	VV	2933	48773	0.65%	0.152%
322	16.937	16.908	16.984	VV	4384	68250	0.91%	0.212%
323	17.023	16.984	17.070	VV	725	18666	0.25%	0.058%
324	17.091	17.070	17.107	VV	282	4474	0.06%	0.014%
325	17.151	17.107	17.217	PV	1348	42008	0.56%	0.131%
326	17.283	17.217	17.300	VV	1064	31628	0.42%	0.098%
327	17.309	17.300	17.319	VV	1131	10305	0.14%	0.032%
328	17.334	17.319	17.352	VV	1249	19212	0.26%	0.060%
329	17.364	17.352	17.405	VV	665	16447	0.22%	0.051%
330	17.438	17.405	17.469	VV	1046	21931	0.29%	0.068%
331	17.474	17.469	17.498	VV	356	5793	0.08%	0.018%
332	17.513	17.498	17.537	VV	606	9815	0.13%	0.031%
333	17.549	17.537	17.557	VV	407	4431	0.06%	0.014%
334	17.565	17.557	17.595	VV	523	6086	0.08%	0.019%
335	17.634	17.595	17.669	VV	389	8786	0.12%	0.027%
336	17.742	17.669	17.749	VV	669	13272	0.18%	0.041%
337	17.772	17.749	17.812	VV	2073	33114	0.44%	0.103%
338	17.830	17.812	17.841	PV	432	5924	0.08%	0.018%
339	17.862	17.841	17.891	VV	899	16909	0.22%	0.053%
340	17.915	17.891	17.969	VV	803	25702	0.34%	0.080%
341	17.988	17.969	18.023	VV	639	13393	0.18%	0.042%
342	18.056	18.023	18.099	VV	1711	32250	0.43%	0.100%
343	18.142	18.099	18.170	VV	6289	115060	1.53%	0.358%
344	18.189	18.170	18.219	VV	3611	57029	0.76%	0.178%
345	18.231	18.219	18.260	VV	742	12098	0.16%	0.038%
346	18.280	18.260	18.294	VV	1432	21658	0.29%	0.067%
347	18.307	18.294	18.362	VV	1730	35139	0.47%	0.109%
348	18.397	18.362	18.430	VV	5237	71866	0.95%	0.224%
349	18.443	18.430	18.467	VV	367	4753	0.06%	0.015%
350	18.488	18.467	18.498	VV	456	7390	0.10%	0.023%
351	18.528	18.498	18.555	VV	1734	26904	0.36%	0.084%

					rteres				
352	18.601	18.555	18.672	VV	2112	47648	0.63%	0.148%	
353	18.702	18.672	18.744	PV	738	14380	0.19%	0.045%	
354	18.757	18.744	18.789	VV	359	7080	0.09%	0.022%	
355	18.831	18.789	18.867	PV	469	11510	0.15%	0.036%	
356	18.880	18.867	18.895	VV	334	2989	0.04%	0.009%	
357	18.907	18.895	18.925	VV	361	4336	0.06%	0.013%	
358	18.960	18.925	18.979	PV	1372	17547	0.23%	0.055%	
					Sum of corrected areas:		32128690		

Aromatic EPH 052425.M Fri Jun 13 05:27:43 2025

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	910 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
06/06/25 09:10	06/09/25 18:17	PB168324

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	9.10	U	1	9.10	33.0	ug/l	FC069137.D
Aliphatic C12-C16	Aliphatic C12-C16	14.8	U	1	14.8	22.0	ug/l	FC069137.D
Aliphatic C16-C21	Aliphatic C16-C21	12.4	J	1	9.16	33.0	ug/l	FC069137.D
Aliphatic C21-C28	Aliphatic C21-C28	13.7	U	1	13.7	44.0	ug/l	FC069137.D
Aliphatic C28-C40	Aliphatic C28-C40	56.6	J	1	26.2	65.9	ug/l	FC069137.D
Aromatic C10-C12	Aromatic C10-C12	7.74	J	1	2.27	22.0	ug/l	FD049418.D
Aromatic C12-C16	Aromatic C12-C16	12.7	J	1	4.68	33.0	ug/l	FD049418.D
Aromatic C16-C21	Aromatic C16-C21	52.9	J	1	9.09	54.9	ug/l	FD049418.D
Aromatic C21-C36	Aromatic C21-C36	26.2	U	1	26.2	87.9	ug/l	FD049418.D
Total AliphaticEPH	Total AliphaticEPH	73.0	U		73.0	198	ug/l	
Total AromaticEPH	Total AromaticEPH	73.3	J		42.2	198	ug/l	
Total EPH	Total EPH	142	J		115	396	ug/l	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	910 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069137.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	9.10	U	9.10	33.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	14.8	U	14.8	22.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	12.4	J	9.16	33.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	13.7	U	13.7	44.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	56.6	J	26.2	65.9	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.5		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2177-08	Acq On:	09 Jun 2025 18:17
Client Sample ID:	EB05312025	Operator:	YP/AJ
Data file:	FC069137.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.299	6.602	396914	3.754	300	ug/ml
Aliphatic C12-C16	6.603	10.008	653553	6.408	200	ug/ml
Aliphatic C16-C21	10.009	13.379	553487	5.656	300	ug/ml
Aliphatic C21-C28	13.380	17.047	413903	4.412	400	ug/ml
Aliphatic C28-C40	17.048	22.037	2432383	25.756	600	ug/ml
Aliphatic EPH	3.299	22.037	4450240	45.987		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	3449755	38.45		ug/ml
Aliphatic C9-C28	3.299	17.047	2017857	20.23	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069137.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 18:17
Operator : YP/AJ
Sample : Q2177-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EB05312025

Integration File: autoint1.e
Quant Time: Jun 10 05:24:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.113	3449755	38.453 ug/ml
Spiked Amount	50.000	Recovery	= 76.91%

Target Compounds

(f)=RT Delta > 1/2 Window

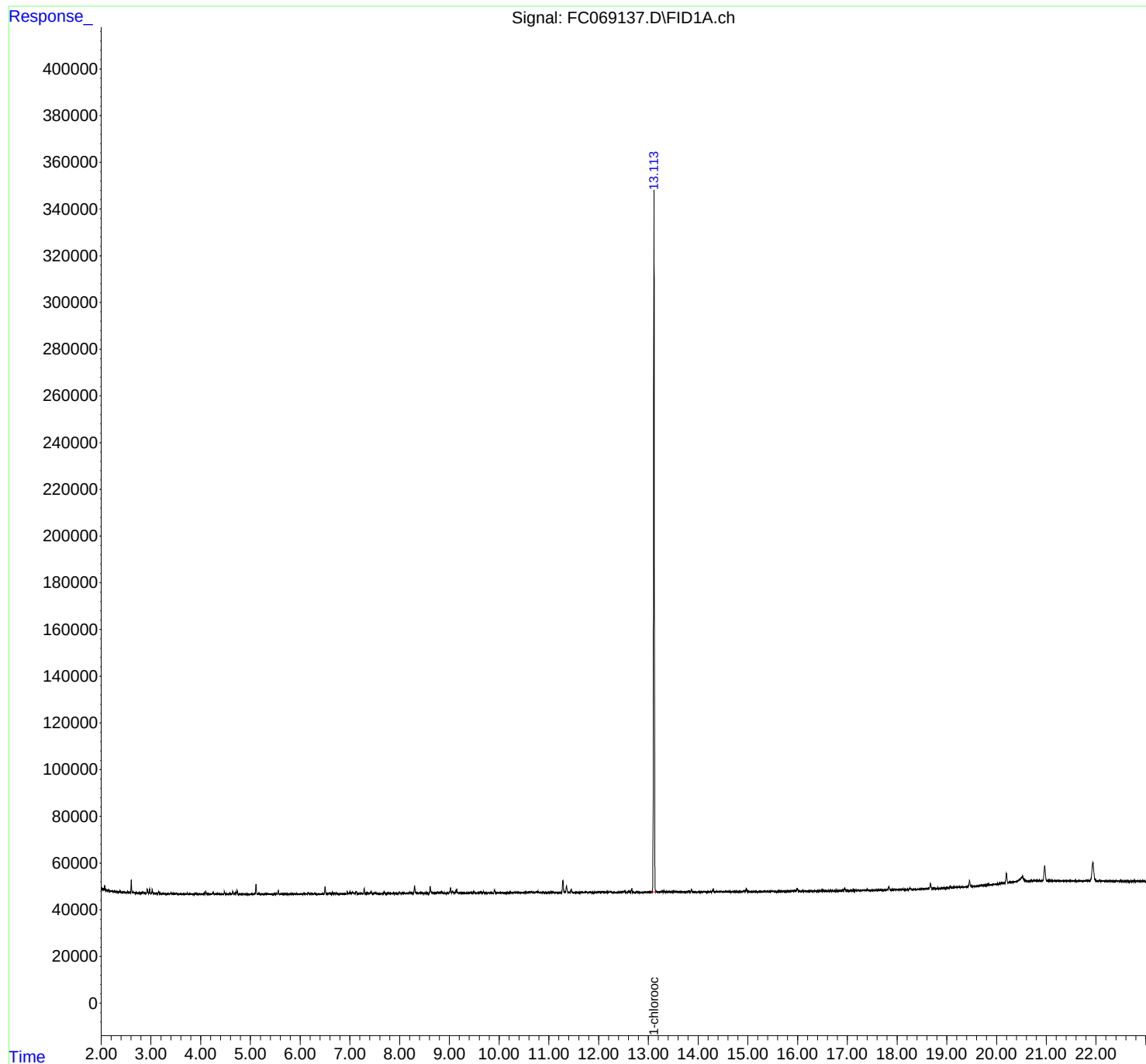
(m)=manual int.

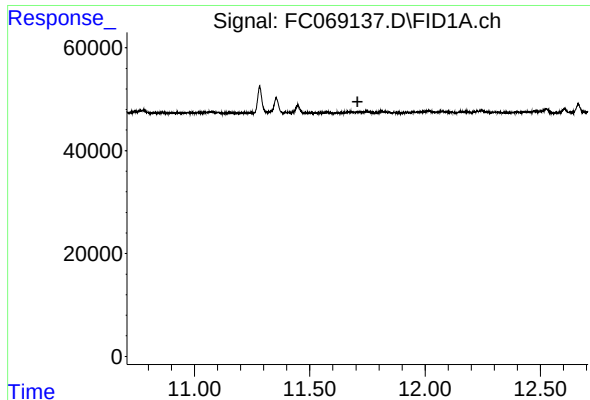
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069137.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 18:17
Operator : YP/AJ
Sample : Q2177-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EB05312025

Integration File: autoint1.e
Quant Time: Jun 10 05:24:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

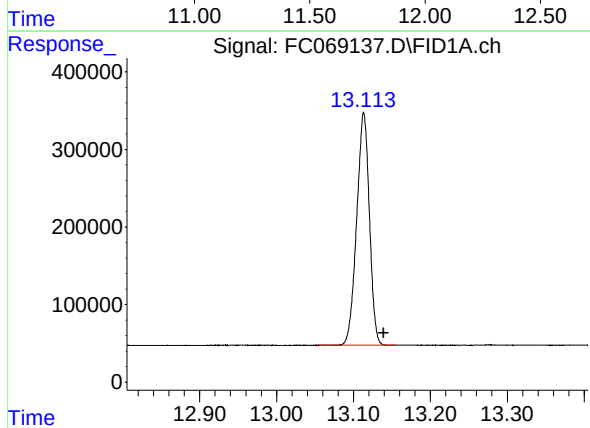




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
EB05312025



#12 1-chlorooctadecane (SURR)

R.T.: 13.113 min
Delta R.T.: -0.026 min
Response: 3449755
Conc: 38.45 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
 Data File : FC069137.D
 Signal(s) : FID1A.ch
 Acq On : 09 Jun 2025 18:17
 Sample : Q2177-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.263	3.204	3.292	BV	83	1106	0.03%	0.014%
2	3.301	3.292	3.316	PV	78	600	0.02%	0.008%
3	3.351	3.316	3.374	PV	75	1878	0.05%	0.024%
4	3.403	3.374	3.565	VV	594	13578	0.39%	0.170%
5	3.601	3.565	3.621	VV	142	2351	0.07%	0.030%
6	3.627	3.621	3.658	VV	69	1150	0.03%	0.014%
7	3.682	3.658	3.700	VV	200	2750	0.08%	0.035%
8	3.729	3.700	3.758	VV	364	4802	0.14%	0.060%
9	3.775	3.758	3.809	VV	231	5032	0.15%	0.063%
10	3.820	3.809	3.878	VV	163	3712	0.11%	0.047%
11	3.899	3.878	3.935	VV	255	4443	0.13%	0.056%
12	3.954	3.935	3.962	PV	173	1644	0.05%	0.021%
13	3.986	3.962	4.021	VV	227	4538	0.13%	0.057%
14	4.075	4.021	4.087	VV	515	8043	0.23%	0.101%
15	4.103	4.087	4.150	VV	1185	13252	0.38%	0.166%
16	4.171	4.150	4.209	VV	165	4014	0.12%	0.050%
17	4.251	4.209	4.288	VV	825	14652	0.42%	0.184%
18	4.295	4.288	4.308	VV	151	1330	0.04%	0.017%
19	4.318	4.308	4.331	VV	130	1447	0.04%	0.018%
20	4.338	4.331	4.361	VV	140	2181	0.06%	0.027%
21	4.368	4.361	4.391	VV	154	2095	0.06%	0.026%
22	4.408	4.391	4.420	VV	232	2784	0.08%	0.035%
23	4.430	4.420	4.461	VV	162	2834	0.08%	0.036%
24	4.476	4.461	4.508	VV	1121	12495	0.36%	0.157%
25	4.520	4.508	4.539	VV	193	2620	0.08%	0.033%
26	4.590	4.539	4.611	VV	450	8314	0.24%	0.104%
27	4.645	4.611	4.680	VV	1281	18326	0.53%	0.230%
28	4.702	4.680	4.718	VV	898	10409	0.30%	0.131%
29	4.731	4.718	4.818	VV	1752	19523	0.56%	0.245%
30	4.853	4.818	4.875	VV	187	4116	0.12%	0.052%
31	4.898	4.875	4.908	VV	113	1458	0.04%	0.018%
32	4.931	4.908	4.997	VV	131	2779	0.08%	0.035%
33	5.012	4.997	5.020	PV	75	640	0.02%	0.008%
34	5.035	5.020	5.056	VV	237	2695	0.08%	0.034%
35	5.112	5.056	5.148	VV	4273	51220	1.48%	0.643%
36	5.170	5.148	5.191	VV	835	8792	0.25%	0.110%

					rteres			
37	5.202	5.191	5.208	VV	126	1116	0.03%	0.014%
38	5.220	5.208	5.258	VV	181	2758	0.08%	0.035%
39	5.307	5.258	5.325	VV	235	4262	0.12%	0.053%
40	5.343	5.325	5.370	VV	161	2803	0.08%	0.035%
41	5.478	5.370	5.500	VV	209	7509	0.22%	0.094%
42	5.517	5.500	5.541	VV	593	7589	0.22%	0.095%
43	5.559	5.541	5.584	VV	1336	14077	0.41%	0.177%
44	5.616	5.584	5.664	VV	351	6392	0.18%	0.080%
45	5.680	5.664	5.691	VV	200	2515	0.07%	0.032%
46	5.707	5.691	5.762	VV	230	5068	0.15%	0.064%
47	5.768	5.762	5.778	VV	128	846	0.02%	0.011%
48	5.810	5.778	5.832	VV	267	4691	0.14%	0.059%
49	5.859	5.832	5.878	VV	140	1872	0.05%	0.023%
50	5.897	5.878	5.916	PV	118	1936	0.06%	0.024%
51	5.939	5.916	5.953	VV	102	1826	0.05%	0.023%
52	5.972	5.953	6.000	VV	121	2764	0.08%	0.035%
53	6.014	6.000	6.052	VV	189	3270	0.09%	0.041%
54	6.071	6.052	6.095	VV	343	5486	0.16%	0.069%
55	6.117	6.095	6.141	VV	302	4917	0.14%	0.062%
56	6.160	6.141	6.198	VV	709	9425	0.27%	0.118%
57	6.219	6.198	6.242	VV	296	4394	0.13%	0.055%
58	6.292	6.242	6.331	VV	288	7640	0.22%	0.096%
59	6.338	6.331	6.361	VV	119	1260	0.04%	0.016%
60	6.384	6.361	6.431	PV	147	2483	0.07%	0.031%
61	6.448	6.431	6.476	VV	126	1933	0.06%	0.024%
62	6.501	6.476	6.538	VV	3218	35938	1.04%	0.451%
63	6.545	6.538	6.567	VV	233	2873	0.08%	0.036%
64	6.586	6.567	6.605	VV	605	6774	0.20%	0.085%
65	6.623	6.605	6.634	VV	367	4008	0.12%	0.050%
66	6.651	6.634	6.670	VV	1021	10586	0.31%	0.133%
67	6.686	6.670	6.708	VV	330	4215	0.12%	0.053%
68	6.725	6.708	6.751	VV	546	5903	0.17%	0.074%
69	6.787	6.751	6.854	VV	125	3477	0.10%	0.044%
70	6.870	6.854	6.884	VV	153	1855	0.05%	0.023%
71	6.894	6.884	6.923	VV	116	1581	0.05%	0.020%
72	6.945	6.923	6.973	VV	699	8552	0.25%	0.107%
73	6.999	6.973	7.030	VV	710	13626	0.39%	0.171%
74	7.049	7.030	7.091	VV	696	15471	0.45%	0.194%
75	7.126	7.091	7.158	VV	1084	18137	0.52%	0.228%
76	7.160	7.158	7.198	VV	249	3247	0.09%	0.041%
77	7.234	7.198	7.259	VV	269	5194	0.15%	0.065%
78	7.288	7.259	7.330	VV	2314	27812	0.80%	0.349%
79	7.365	7.330	7.379	VV	328	6838	0.20%	0.086%
80	7.394	7.379	7.408	VV	400	5064	0.15%	0.064%
81	7.427	7.408	7.478	VV	1077	15958	0.46%	0.200%
82	7.520	7.478	7.564	VV	517	12007	0.35%	0.151%
83	7.572	7.564	7.618	VV	89	2867	0.08%	0.036%
84	7.637	7.618	7.663	VV	91	1848	0.05%	0.023%
85	7.691	7.663	7.730	VV	820	10914	0.32%	0.137%
86	7.775	7.730	7.821	VV	231	7742	0.22%	0.097%
87	7.835	7.821	7.928	VV	249	9245	0.27%	0.116%
88	7.951	7.928	7.973	VV	212	3305	0.10%	0.041%
89	7.996	7.973	8.031	PV	687	9553	0.28%	0.120%

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90	8.053	8.031	8.078	VV	625	8384	0.24%	0.105%
91	8.090	8.078	8.111	VV	327	4102	0.12%	0.051%
92	8.122	8.111	8.138	VV	216	2941	0.08%	0.037%
93	8.149	8.138	8.163	VV	254	2769	0.08%	0.035%
94	8.209	8.163	8.271	VV	777	20952	0.60%	0.263%
95	8.301	8.271	8.371	VV	3503	49722	1.44%	0.624%
96	8.398	8.371	8.434	VV	490	11741	0.34%	0.147%
97	8.453	8.434	8.471	VV	389	6106	0.18%	0.077%
98	8.497	8.471	8.517	VV	339	5978	0.17%	0.075%
99	8.536	8.517	8.581	VV	488	7133	0.21%	0.090%
100	8.615	8.581	8.708	VV	3063	50857	1.47%	0.638%
101	8.723	8.708	8.738	VV	270	4473	0.13%	0.056%
102	8.764	8.738	8.778	VV	491	8356	0.24%	0.105%
103	8.792	8.778	8.805	VV	441	6051	0.17%	0.076%
104	8.813	8.805	8.824	VV	345	3770	0.11%	0.047%
105	8.844	8.824	8.888	VV	655	15933	0.46%	0.200%
106	8.907	8.888	8.938	VV	339	5238	0.15%	0.066%
107	8.957	8.938	8.978	VV	387	5933	0.17%	0.074%
108	9.024	8.978	9.046	VV	2409	36274	1.05%	0.455%
109	9.063	9.046	9.100	VV	821	17652	0.51%	0.222%
110	9.144	9.100	9.196	VV	1602	35398	1.02%	0.444%
111	9.215	9.196	9.238	VV	423	6562	0.19%	0.082%
112	9.264	9.238	9.286	VV	353	6466	0.19%	0.081%
113	9.308	9.286	9.331	VV	243	4595	0.13%	0.058%
114	9.346	9.331	9.354	VV	237	2624	0.08%	0.033%
115	9.375	9.354	9.395	VV	267	5329	0.15%	0.067%
116	9.429	9.395	9.469	VV	534	13527	0.39%	0.170%
117	9.495	9.469	9.524	VV	824	13921	0.40%	0.175%
118	9.550	9.524	9.574	VV	288	6485	0.19%	0.081%
119	9.587	9.574	9.614	VV	210	4603	0.13%	0.058%
120	9.633	9.614	9.661	VV	491	9216	0.27%	0.116%
121	9.686	9.661	9.719	VV	740	11632	0.34%	0.146%
122	9.752	9.719	9.761	VV	199	4001	0.12%	0.050%
123	9.772	9.761	9.807	VV	243	4123	0.12%	0.052%
124	9.827	9.807	9.883	VV	466	10032	0.29%	0.126%
125	9.907	9.883	9.951	VV	1522	22028	0.64%	0.276%
126	9.981	9.951	9.995	VV	313	5774	0.17%	0.072%
127	10.007	9.995	10.029	VV	276	3867	0.11%	0.049%
128	10.055	10.029	10.064	VV	221	3607	0.10%	0.045%
129	10.079	10.064	10.108	VV	252	4606	0.13%	0.058%
130	10.116	10.108	10.138	VV	226	3048	0.09%	0.038%
131	10.185	10.138	10.208	VV	267	7264	0.21%	0.091%
132	10.222	10.208	10.257	VV	334	7211	0.21%	0.091%
133	10.266	10.257	10.280	VV	194	2452	0.07%	0.031%
134	10.303	10.280	10.321	VV	460	6911	0.20%	0.087%
135	10.338	10.321	10.362	VV	396	6894	0.20%	0.087%
136	10.382	10.362	10.424	VV	330	9424	0.27%	0.118%
137	10.463	10.424	10.481	VV	237	6086	0.18%	0.076%
138	10.511	10.481	10.524	VV	400	7216	0.21%	0.091%
139	10.548	10.524	10.558	VV	344	5890	0.17%	0.074%
140	10.585	10.558	10.612	VV	436	11300	0.33%	0.142%
141	10.647	10.612	10.684	VV	503	16087	0.46%	0.202%

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142	10.705	10.684	10.718	VV	370	5369	0.15%	0.067%
143	10.778	10.718	10.812	VV	763	25083	0.72%	0.315%
144	10.864	10.812	10.891	VV	296	9957	0.29%	0.125%
145	10.901	10.891	10.918	VV	204	2709	0.08%	0.034%
146	10.980	10.918	11.005	VV	260	9505	0.27%	0.119%
147	11.018	11.005	11.030	VV	274	3344	0.10%	0.042%
148	11.041	11.030	11.048	VV	290	2716	0.08%	0.034%
149	11.077	11.048	11.123	VV	432	11740	0.34%	0.147%
150	11.155	11.123	11.181	VV	245	4956	0.14%	0.062%
151	11.212	11.181	11.249	VV	159	4920	0.14%	0.062%
152	11.283	11.249	11.316	VV	5203	69491	2.01%	0.872%
153	11.355	11.316	11.419	VV	3048	49770	1.44%	0.625%
154	11.448	11.419	11.488	VV	1617	23813	0.69%	0.299%
155	11.504	11.488	11.515	VV	167	2121	0.06%	0.027%
156	11.523	11.515	11.544	VV	125	1846	0.05%	0.023%
157	11.577	11.544	11.603	VV	210	4976	0.14%	0.062%
158	11.684	11.603	11.698	VV	254	10323	0.30%	0.130%
159	11.714	11.698	11.728	VV	282	4406	0.13%	0.055%
160	11.748	11.728	11.784	VV	387	8353	0.24%	0.105%
161	11.812	11.784	11.861	VV	422	10283	0.30%	0.129%
162	11.912	11.861	11.941	VV	178	6680	0.19%	0.084%
163	12.017	11.941	12.054	VV	544	18981	0.55%	0.238%
164	12.075	12.054	12.111	VV	369	8504	0.25%	0.107%
165	12.120	12.111	12.138	VV	204	2385	0.07%	0.030%
166	12.156	12.138	12.174	VV	274	4833	0.14%	0.061%
167	12.181	12.174	12.204	VV	274	3591	0.10%	0.045%
168	12.247	12.204	12.288	VV	485	13911	0.40%	0.175%
169	12.312	12.288	12.380	VV	182	6191	0.18%	0.078%
170	12.396	12.380	12.418	VV	199	3351	0.10%	0.042%
171	12.473	12.418	12.491	VV	367	10663	0.31%	0.134%
172	12.526	12.491	12.556	VV	831	15501	0.45%	0.195%
173	12.604	12.556	12.641	PV	796	12313	0.36%	0.155%
174	12.664	12.641	12.699	VV	1693	22347	0.65%	0.280%
175	12.706	12.699	12.761	VV	174	4854	0.14%	0.061%
176	12.783	12.761	12.836	VV	327	6749	0.19%	0.085%
177	12.858	12.836	12.874	VV	114	1370	0.04%	0.017%
178	12.942	12.874	12.974	VV	296	8394	0.24%	0.105%
179	12.988	12.974	13.005	VV	202	3035	0.09%	0.038%
180	13.037	13.005	13.045	VV	165	3231	0.09%	0.041%
181	13.113	13.045	13.154	VV	299758	3464302	100.00%	43.480%
182	13.167	13.154	13.228	VV	341	9786	0.28%	0.123%
183	13.243	13.228	13.252	VV	228	2389	0.07%	0.030%
184	13.276	13.252	13.314	VV	594	12393	0.36%	0.156%
185	13.334	13.314	13.368	VV	392	8358	0.24%	0.105%
186	13.385	13.368	13.424	VV	281	6817	0.20%	0.086%
187	13.450	13.424	13.463	VV	216	3999	0.12%	0.050%
188	13.500	13.463	13.523	VV	310	8312	0.24%	0.104%
189	13.557	13.523	13.594	VV	374	11118	0.32%	0.140%
190	13.622	13.594	13.635	VV	219	3862	0.11%	0.048%
191	13.658	13.635	13.700	VV	241	6867	0.20%	0.086%
192	13.719	13.700	13.757	VV	249	5544	0.16%	0.070%
193	13.814	13.757	13.840	VV	620	11608	0.34%	0.146%
194	13.866	13.840	13.915	VV	1385	20071	0.58%	0.252%

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195	13.920	13.915	13.947	VV	147	1601	0.05%	0.020%
196	13.958	13.947	13.981	VV	111	1023	0.03%	0.013%
197	13.993	13.981	14.018	VV	121	1003	0.03%	0.013%
198	14.025	14.018	14.035	VV	36	226	0.01%	0.003%
199	14.106	14.035	14.183	PV	170	8340	0.24%	0.105%
200	14.199	14.183	14.241	VV	164	3693	0.11%	0.046%
201	14.304	14.241	14.391	VV	1436	27585	0.80%	0.346%
202	14.428	14.391	14.464	VV	302	8171	0.24%	0.103%
203	14.577	14.464	14.638	VV	296	20822	0.60%	0.261%
204	14.686	14.638	14.704	VV	236	6511	0.19%	0.082%
205	14.711	14.704	14.718	VV	213	1296	0.04%	0.016%
206	14.749	14.718	14.777	VV	279	6786	0.20%	0.085%
207	14.790	14.777	14.801	VV	237	2795	0.08%	0.035%
208	14.812	14.801	14.844	VV	173	3697	0.11%	0.046%
209	14.850	14.844	14.884	VV	168	2376	0.07%	0.030%
210	14.926	14.884	14.948	VV	545	10653	0.31%	0.134%
211	14.971	14.948	15.013	VV	1375	21559	0.62%	0.271%
212	15.030	15.013	15.048	VV	182	2388	0.07%	0.030%
213	15.058	15.048	15.096	VV	181	3130	0.09%	0.039%
214	15.138	15.096	15.181	VV	241	6778	0.20%	0.085%
215	15.189	15.181	15.248	VV	143	4393	0.13%	0.055%
216	15.271	15.248	15.294	VV	242	2796	0.08%	0.035%
217	15.317	15.294	15.325	VV	109	1382	0.04%	0.017%
218	15.349	15.325	15.374	VV	156	3013	0.09%	0.038%
219	15.397	15.374	15.414	VV	161	3084	0.09%	0.039%
220	15.492	15.414	15.545	VV	338	12216	0.35%	0.153%
221	15.551	15.545	15.568	VV	121	1127	0.03%	0.014%
222	15.588	15.568	15.611	VV	142	2177	0.06%	0.027%
223	15.652	15.611	15.700	VV	203	8099	0.23%	0.102%
224	15.708	15.700	15.747	VV	173	4251	0.12%	0.053%
225	15.764	15.747	15.814	VV	278	8350	0.24%	0.105%
226	15.820	15.814	15.841	VV	266	3482	0.10%	0.044%
227	15.867	15.841	15.911	VV	341	10402	0.30%	0.131%
228	15.953	15.911	15.970	VV	451	10290	0.30%	0.129%
229	15.994	15.970	16.078	VV	1251	25273	0.73%	0.317%
230	16.092	16.078	16.101	VV	139	1700	0.05%	0.021%
231	16.121	16.101	16.133	VV	152	2369	0.07%	0.030%
232	16.155	16.133	16.209	VV	232	7007	0.20%	0.088%
233	16.252	16.225	16.265	PV	154	2831	0.08%	0.036%
234	16.290	16.265	16.368	VV	182	7014	0.20%	0.088%
235	16.402	16.368	16.423	VV	153	3849	0.11%	0.048%
236	16.441	16.423	16.451	VV	191	2547	0.07%	0.032%
237	16.482	16.451	16.498	VV	353	7364	0.21%	0.092%
238	16.512	16.498	16.591	VV	252	9611	0.28%	0.121%
239	16.596	16.591	16.611	VV	199	1822	0.05%	0.023%
240	16.648	16.611	16.664	VV	263	6045	0.17%	0.076%
241	16.686	16.664	16.763	VV	218	7674	0.22%	0.096%
242	16.775	16.763	16.828	VV	169	4722	0.14%	0.059%
243	16.842	16.828	16.874	VV	186	4293	0.12%	0.054%
244	16.886	16.874	16.890	VV	200	1702	0.05%	0.021%
245	16.913	16.890	16.923	VV	295	5192	0.15%	0.065%
246	16.947	16.923	16.981	VV	1316	19195	0.55%	0.241%

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247	17.065	16.981	17.108	VV	147	7450	0.22%	0.094%
248	17.117	17.108	17.151	VV	108	1637	0.05%	0.021%
249	17.164	17.151	17.191	PV	88	1368	0.04%	0.017%
250	17.220	17.191	17.244	VV	146	3512	0.10%	0.044%
251	17.257	17.244	17.312	VV	125	3698	0.11%	0.046%
252	17.342	17.312	17.378	VV	204	5100	0.15%	0.064%
253	17.398	17.378	17.437	VV	484	7867	0.23%	0.099%
254	17.468	17.437	17.476	VV	122	1663	0.05%	0.021%
255	17.500	17.476	17.538	VV	220	5535	0.16%	0.069%
256	17.544	17.538	17.558	VV	129	1420	0.04%	0.018%
257	17.570	17.558	17.603	VV	159	3684	0.11%	0.046%
258	17.619	17.603	17.634	VV	174	2358	0.07%	0.030%
259	17.647	17.634	17.701	VV	172	4245	0.12%	0.053%
260	17.707	17.701	17.720	VV	112	926	0.03%	0.012%
261	17.729	17.720	17.761	VV	92	1772	0.05%	0.022%
262	17.836	17.761	17.902	PV	1560	32025	0.92%	0.402%
263	17.941	17.902	17.957	VV	160	3713	0.11%	0.047%
264	17.983	17.957	18.021	VV	283	7174	0.21%	0.090%
265	18.027	18.021	18.074	VV	190	4119	0.12%	0.052%
266	18.079	18.074	18.090	VV	153	1075	0.03%	0.013%
267	18.120	18.090	18.176	VV	264	6675	0.19%	0.084%
268	18.192	18.176	18.201	PV	178	1519	0.04%	0.019%
269	18.260	18.201	18.304	VV	670	13837	0.40%	0.174%
270	18.322	18.304	18.343	VV	118	1940	0.06%	0.024%
271	18.394	18.343	18.415	VV	132	3029	0.09%	0.038%
272	18.466	18.415	18.478	VV	85	1648	0.05%	0.021%
273	18.527	18.478	18.570	VV	206	8248	0.24%	0.104%
274	18.602	18.570	18.624	VV	212	5767	0.17%	0.072%
275	18.671	18.624	18.763	VV	1965	39140	1.13%	0.491%
276	18.780	18.763	18.807	VV	150	2544	0.07%	0.032%
277	18.820	18.807	18.847	VV	210	2892	0.08%	0.036%
278	18.875	18.847	18.883	VV	72	874	0.03%	0.011%
279	18.925	18.883	18.934	VV	155	2439	0.07%	0.031%
280	18.948	18.934	18.990	VV	156	2242	0.06%	0.028%
281	19.071	18.990	19.098	PV	643	16177	0.47%	0.203%
282	19.137	19.098	19.148	VV	262	6889	0.20%	0.086%
283	19.184	19.148	19.216	VV	311	9735	0.28%	0.122%
284	19.254	19.216	19.278	VV	586	10283	0.30%	0.129%
285	19.310	19.278	19.346	VV	370	11745	0.34%	0.147%
286	19.395	19.346	19.405	VV	400	11275	0.33%	0.142%
287	19.457	19.405	19.510	VV	2886	58516	1.69%	0.734%
288	19.545	19.510	19.580	VV	470	16461	0.48%	0.207%
289	19.675	19.580	19.681	VV	551	27262	0.79%	0.342%
290	19.752	19.681	19.791	VV	720	39295	1.13%	0.493%
291	19.833	19.791	19.848	VV	857	24877	0.72%	0.312%
292	19.865	19.848	19.882	VV	729	14210	0.41%	0.178%
293	19.938	19.882	19.954	VV	885	34160	0.99%	0.429%
294	19.962	19.954	19.969	VV	850	7091	0.20%	0.089%
295	20.111	19.969	20.133	VV	1260	101997	2.94%	1.280%
296	20.199	20.133	20.244	VV	5432	144151	4.16%	1.809%
297	20.256	20.244	20.283	VV	1463	33612	0.97%	0.422%
298	20.310	20.283	20.319	VV	1502	31380	0.91%	0.394%
299	20.526	20.319	20.651	VV	3517	408391	11.79%	5.126%

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300	20.764	20.651	20.776	VV	1751	123379	3.56%	1.549%
301	20.782	20.776	20.843	VV	1684	64879	1.87%	0.814%
302	20.856	20.843	20.861	VV	1611	17589	0.51%	0.221%
303	20.867	20.861	20.894	VV	1610	29958	0.86%	0.376%
304	20.967	20.894	21.041	VV	7659	247992	7.16%	3.113%
305	21.057	21.041	21.086	VV	1384	36731	1.06%	0.461%
306	21.106	21.086	21.115	VV	1367	23549	0.68%	0.296%
307	21.121	21.115	21.154	VV	1352	29834	0.86%	0.374%
308	21.161	21.154	21.188	VV	1287	24250	0.70%	0.304%
309	21.208	21.188	21.234	VV	1224	32344	0.93%	0.406%
310	21.248	21.234	21.261	VV	1141	18135	0.52%	0.228%
311	21.295	21.261	21.308	VV	1147	30990	0.89%	0.389%
312	21.313	21.308	21.375	VV	1161	44127	1.27%	0.554%
313	21.384	21.375	21.411	VV	1035	22258	0.64%	0.279%
314	21.418	21.411	21.720	VV	1056	162315	4.69%	2.037%
315	21.801	21.720	21.835	VV	771	48916	1.41%	0.614%
316	21.936	21.835	22.041	VV	8361	274495	7.92%	3.445%
317	22.063	22.041	22.090	VV	458	12238	0.35%	0.154%
318	22.110	22.090	22.151	VV	383	12328	0.36%	0.155%
319	22.189	22.151	22.282	VV	328	20153	0.58%	0.253%
320	22.302	22.282	22.364	VV	238	7198	0.21%	0.090%

Sum of corrected areas: 7967556

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	910 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049418.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	7.74	J	2.27	22.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	12.7	J	4.68	33.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	52.9	J	9.09	54.9	ug/l
Aromatic C21-C36	Aromatic C21-C36	26.2	U	26.2	87.9	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	48.8		40 - 140	98%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	47.5		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.0		40 - 140	88%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2177-08	Acq On:	09 Jun 2025 18:17
Client Sample ID:	EB05312025	Operator:	YP/AJ
Data file:	FD049418.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic EPH	4.424	18.512	7697301	44.248		ug/ml
2-Fluorobiphenyl (SURR)	8.600	8.600	5429129	47.46		ug/ml
ortho-Terphenyl (SURR)	11.648	11.648	8823947	43.96		ug/ml
2-Bromonaphthalene (SURR)	7.734	7.734	8111967	48.8		ug/ml
Aromatic C10-C12	4.424	6.169	589264	3.521	200	ug/ml
Aromatic C12-C16	6.170	8.798	1086281	5.793	300	ug/ml
Aromatic C16-C21	8.799	13.089	4442554	24.048	500	ug/ml
Aromatic C21-C36	13.090	18.512	1579202	10.887	800	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
 Data File : FD049418.D
 Signal(s) : FID2B.ch
 Acq On : 09 Jun 2025 18:17
 Operator : YP/AJ
 Sample : Q2177-08
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 EB05312025

Integration File: autoint1.e
 Quant Time: Jun 10 02:36:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.734	8111967	48.798 ug/ml
Spiked Amount 50.000		Recovery =	97.60%
6) S 2-Fluorobiphenyl (SURR)	8.600	5429129	47.459 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	94.92%
11) S ortho-Terphenyl (SURR)	11.648	8823947	43.961 ug/ml
Spiked Amount 50.000		Recovery =	87.92%

Target Compounds

(f)=RT Delta > 1/2 Window

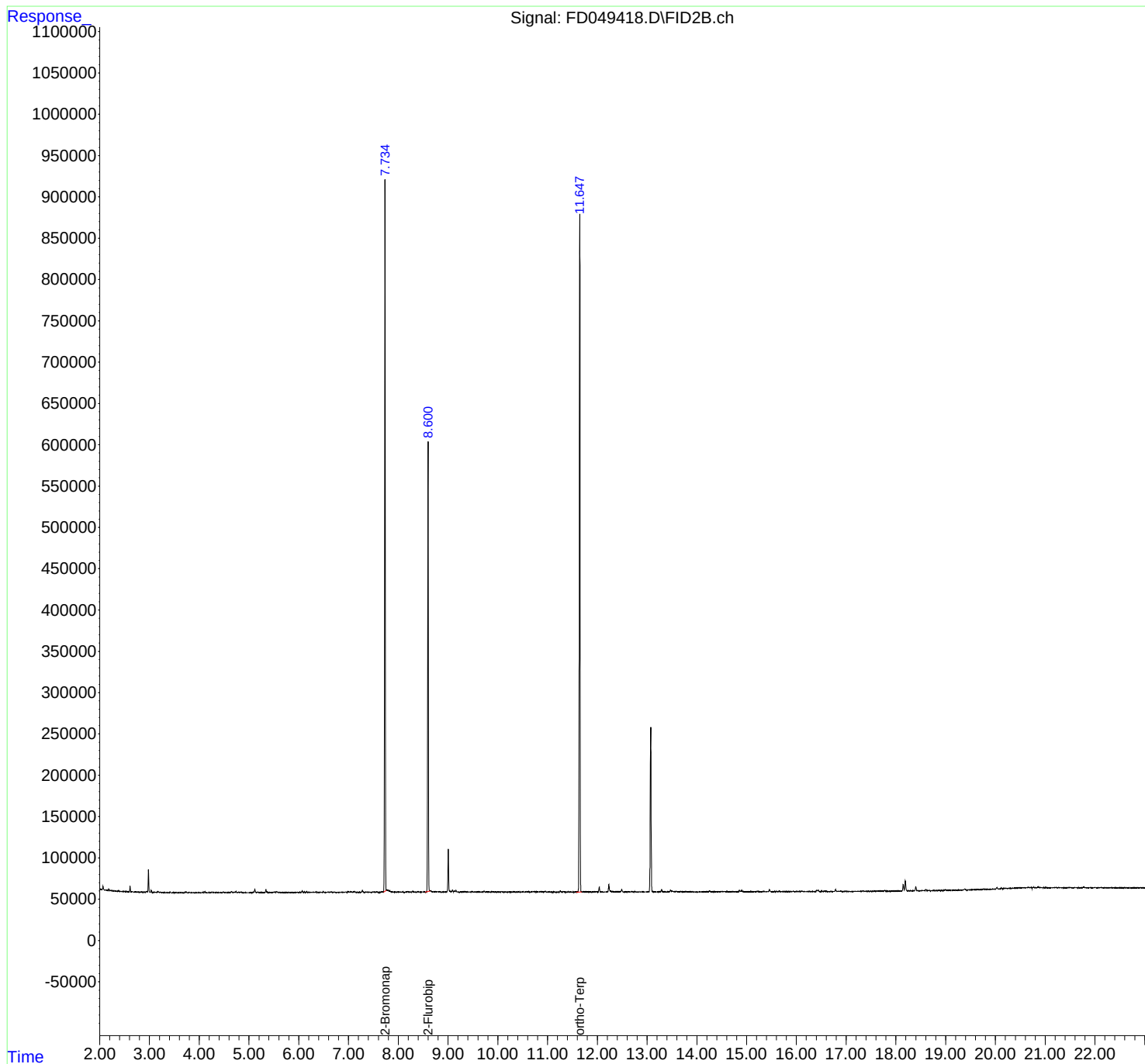
(m)=manual int.

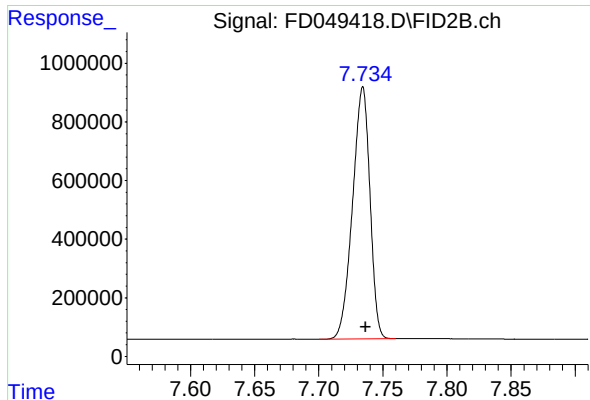
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049418.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 18:17
Operator : YP/AJ
Sample : Q2177-08
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EB05312025

Integration File: autoint1.e
Quant Time: Jun 10 02:36:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

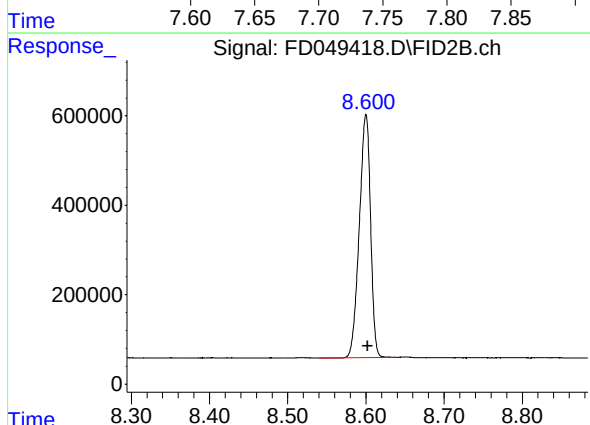




#4 2-Bromonaphthalene (SURR)

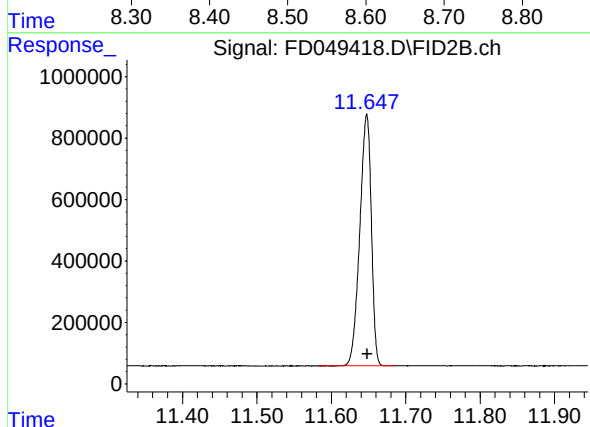
R.T.: 7.734 min
Delta R.T.: -0.002 min
Response: 8111967
Conc: 48.80 ug/ml

Instrument :
FID_D
ClientSampleId :
EB05312025



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.600 min
Delta R.T.: -0.002 min
Response: 5429129
Conc: 47.46 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.648 min
Delta R.T.: 0.000 min
Response: 8823947
Conc: 43.96 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
 Data File : FD049418.D
 Signal(s) : FID2B.ch
 Acq On : 09 Jun 2025 18:17
 Sample : Q2177-08
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.258	4.252	4.279	PH	824	7871	0.09%	0.026%
2	4.291	4.279	4.309	PV	328	3254	0.04%	0.011%
3	4.339	4.320	4.352	VV	241	2376	0.03%	0.008%
4	4.380	4.352	4.397	PV	345	4105	0.05%	0.014%
5	4.412	4.404	4.432	PV	289	2721	0.03%	0.009%
6	4.445	4.440	4.461	VV	364	2213	0.03%	0.007%
7	4.484	4.461	4.517	PV	1305	16144	0.18%	0.053%
8	4.529	4.517	4.565	VV	493	7574	0.09%	0.025%
9	4.572	4.565	4.583	VV	379	3719	0.04%	0.012%
10	4.653	4.583	4.674	VV	1703	37483	0.42%	0.124%
11	4.678	4.674	4.683	VV	398	2180	0.02%	0.007%
12	4.708	4.683	4.721	VV	1051	13919	0.16%	0.046%
13	4.737	4.721	4.754	VV	1995	19499	0.22%	0.064%
14	4.770	4.754	4.776	VV	452	4185	0.05%	0.014%
15	4.791	4.776	4.812	VV	1171	13329	0.15%	0.044%
16	4.830	4.812	4.846	VV	1007	13544	0.15%	0.045%
17	4.852	4.846	4.895	VV	709	10356	0.12%	0.034%
18	4.927	4.907	4.947	VV	674	9292	0.11%	0.031%
19	4.960	4.947	4.968	VV	344	2814	0.03%	0.009%
20	4.972	4.968	4.980	VV	241	1549	0.02%	0.005%
21	4.986	4.980	4.996	VV	342	2260	0.03%	0.007%
22	5.003	4.996	5.010	VV	365	2186	0.02%	0.007%
23	5.038	5.010	5.053	VV	528	8469	0.10%	0.028%
24	5.072	5.053	5.077	VV	377	4055	0.05%	0.013%
25	5.091	5.077	5.099	VV	912	7925	0.09%	0.026%
26	5.117	5.099	5.155	VV	4330	52224	0.59%	0.172%
27	5.175	5.155	5.198	VV	1033	16324	0.18%	0.054%
28	5.202	5.198	5.215	VV	602	4523	0.05%	0.015%
29	5.226	5.215	5.266	VV	765	15422	0.17%	0.051%
30	5.288	5.266	5.294	VV	515	7150	0.08%	0.024%
31	5.315	5.294	5.323	VV	603	8492	0.10%	0.028%
32	5.340	5.323	5.395	VV	4123	54757	0.62%	0.181%
33	5.399	5.395	5.421	VV	478	6216	0.07%	0.021%
34	5.436	5.421	5.442	VV	472	5010	0.06%	0.017%
35	5.485	5.442	5.503	VV	718	17631	0.20%	0.058%
36	5.519	5.503	5.540	VV	974	14116	0.16%	0.047%

					rteres			
37	5.560	5.540	5.588	VV	1771	24738	0.28%	0.082%
38	5.590	5.588	5.595	VV	442	1601	0.02%	0.005%
39	5.618	5.595	5.642	VV	672	12183	0.14%	0.040%
40	5.646	5.642	5.651	VV	300	1338	0.02%	0.004%
41	5.678	5.651	5.698	VV	606	11616	0.13%	0.038%
42	5.706	5.698	5.725	VV	449	5937	0.07%	0.020%
43	5.736	5.725	5.742	VV	611	4121	0.05%	0.014%
44	5.743	5.742	5.753	VV	441	2201	0.02%	0.007%
45	5.761	5.753	5.781	VV	599	6493	0.07%	0.021%
46	5.803	5.781	5.830	VV	765	12101	0.14%	0.040%
47	5.835	5.830	5.841	VV	423	1814	0.02%	0.006%
48	5.858	5.841	5.880	VV	718	9983	0.11%	0.033%
49	5.934	5.880	5.953	VV	556	16776	0.19%	0.055%
50	5.967	5.953	5.995	VV	791	12669	0.14%	0.042%
51	6.008	5.995	6.015	VV	419	3938	0.04%	0.013%
52	6.029	6.015	6.042	VV	710	8340	0.09%	0.028%
53	6.071	6.042	6.102	VV	2547	36068	0.41%	0.119%
54	6.122	6.102	6.132	VV	859	11618	0.13%	0.038%
55	6.135	6.132	6.141	VV	456	2536	0.03%	0.008%
56	6.159	6.141	6.185	VV	1212	18633	0.21%	0.061%
57	6.194	6.185	6.200	VV	615	4705	0.05%	0.016%
58	6.213	6.200	6.253	VV	676	16059	0.18%	0.053%
59	6.293	6.253	6.300	VV	651	14129	0.16%	0.047%
60	6.326	6.300	6.332	VV	571	9163	0.10%	0.030%
61	6.352	6.332	6.377	VV	1145	16403	0.19%	0.054%
62	6.385	6.377	6.400	VV	522	5535	0.06%	0.018%
63	6.404	6.400	6.417	VV	351	3179	0.04%	0.010%
64	6.423	6.417	6.447	VV	549	7279	0.08%	0.024%
65	6.450	6.447	6.475	VV	479	7205	0.08%	0.024%
66	6.496	6.475	6.527	VV	1580	24138	0.27%	0.080%
67	6.543	6.527	6.549	VV	538	4824	0.05%	0.016%
68	6.582	6.549	6.605	VV	909	18813	0.21%	0.062%
69	6.616	6.605	6.633	VV	736	9811	0.11%	0.032%
70	6.647	6.633	6.668	VV	1299	15977	0.18%	0.053%
71	6.679	6.668	6.700	VV	623	9064	0.10%	0.030%
72	6.719	6.700	6.755	VV	920	17137	0.19%	0.057%
73	6.758	6.755	6.770	VV	444	3257	0.04%	0.011%
74	6.778	6.770	6.798	VV	371	4929	0.06%	0.016%
75	6.810	6.798	6.837	VV	688	9518	0.11%	0.031%
76	6.842	6.837	6.860	VV	510	5266	0.06%	0.017%
77	6.869	6.860	6.898	VV	557	10049	0.11%	0.033%
78	6.939	6.898	6.967	VV	934	21049	0.24%	0.069%
79	6.993	6.967	7.015	VV	1177	23773	0.27%	0.078%
80	7.020	7.015	7.023	VV	691	3139	0.04%	0.010%
81	7.045	7.023	7.087	VV	1235	32655	0.37%	0.108%
82	7.121	7.087	7.145	VV	1664	32757	0.37%	0.108%
83	7.150	7.145	7.165	VV	637	6437	0.07%	0.021%
84	7.176	7.165	7.186	VV	649	6916	0.08%	0.023%
85	7.193	7.186	7.218	VV	714	10463	0.12%	0.035%
86	7.223	7.218	7.246	VV	585	7608	0.09%	0.025%
87	7.279	7.246	7.330	VV	2977	49256	0.56%	0.163%
88	7.343	7.330	7.355	VV	684	8618	0.10%	0.028%
89	7.359	7.355	7.370	VV	651	5017	0.06%	0.017%

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90	7.387	7.370	7.399	VV	716	10436	0.12%	0.034%
91	7.421	7.399	7.438	VV	967	16025	0.18%	0.053%
92	7.485	7.438	7.500	VV	961	23248	0.26%	0.077%
93	7.508	7.500	7.532	VV	911	13681	0.15%	0.045%
94	7.553	7.532	7.585	VV	687	17182	0.19%	0.057%
95	7.594	7.585	7.612	VV	627	6814	0.08%	0.022%
96	7.623	7.612	7.631	VV	605	5305	0.06%	0.018%
97	7.657	7.631	7.665	VV	805	13574	0.15%	0.045%
98	7.681	7.665	7.702	VV	1323	20179	0.23%	0.067%
99	7.734	7.702	7.760	VV	865771	8171984	92.42%	26.963%
100	7.775	7.760	7.814	VV	3202	88908	1.01%	0.293%
101	7.826	7.814	7.905	VV	2210	63146	0.71%	0.208%
102	7.910	7.905	7.920	VV	642	5124	0.06%	0.017%
103	7.934	7.920	7.944	VV	715	8353	0.09%	0.028%
104	7.948	7.944	7.965	VV	689	6506	0.07%	0.021%
105	7.982	7.965	8.000	VV	997	14822	0.17%	0.049%
106	8.002	8.000	8.005	VV	760	2291	0.03%	0.008%
107	8.010	8.005	8.017	VV	769	4753	0.05%	0.016%
108	8.023	8.017	8.042	VV	662	8672	0.10%	0.029%
109	8.049	8.042	8.057	VV	615	5141	0.06%	0.017%
110	8.072	8.057	8.102	VV	750	16002	0.18%	0.053%
111	8.161	8.102	8.167	VV	786	20444	0.23%	0.067%
112	8.194	8.167	8.198	VV	1393	18522	0.21%	0.061%
113	8.201	8.198	8.222	VV	1108	11056	0.13%	0.036%
114	8.230	8.222	8.237	VV	857	6745	0.08%	0.022%
115	8.241	8.237	8.246	VV	821	3774	0.04%	0.012%
116	8.248	8.246	8.254	VV	774	3059	0.03%	0.010%
117	8.287	8.254	8.308	VV	1761	30816	0.35%	0.102%
118	8.315	8.308	8.329	VV	772	7897	0.09%	0.026%
119	8.334	8.329	8.337	VV	535	2314	0.03%	0.008%
120	8.350	8.337	8.363	VV	894	9694	0.11%	0.032%
121	8.404	8.363	8.416	VV	901	22359	0.25%	0.074%
122	8.429	8.416	8.455	VV	828	16028	0.18%	0.053%
123	8.460	8.455	8.467	VV	525	2881	0.03%	0.010%
124	8.479	8.467	8.497	VV	854	11434	0.13%	0.038%
125	8.501	8.497	8.504	VV	669	2619	0.03%	0.009%
126	8.519	8.504	8.548	VV	1014	19423	0.22%	0.064%
127	8.600	8.548	8.638	VV	546011	5501452	62.22%	18.152%
128	8.650	8.638	8.678	VV	2625	42988	0.49%	0.142%
129	8.696	8.678	8.715	VV	1161	22262	0.25%	0.073%
130	8.718	8.715	8.728	VV	1057	7138	0.08%	0.024%
131	8.745	8.728	8.764	VV	1203	20640	0.23%	0.068%
132	8.788	8.764	8.815	VV	1152	29898	0.34%	0.099%
133	8.828	8.815	8.838	VV	1122	13465	0.15%	0.044%
134	8.845	8.838	8.869	VV	1085	12911	0.15%	0.043%
135	8.888	8.869	8.903	VV	741	11469	0.13%	0.038%
136	8.911	8.903	8.927	VV	915	10714	0.12%	0.035%
137	8.933	8.927	8.966	VV	960	15319	0.17%	0.051%
138	9.006	8.966	9.028	VV	52419	536815	6.07%	1.771%
139	9.036	9.028	9.052	VV	2102	23736	0.27%	0.078%
140	9.061	9.052	9.072	VV	1252	13676	0.15%	0.045%
141	9.089	9.072	9.110	VV	3135	41587	0.47%	0.137%

					rteres			
142	9.125	9.110	9.146	VV	2073	32568	0.37%	0.107%
143	9.161	9.146	9.182	VV	2661	34019	0.38%	0.112%
144	9.197	9.182	9.230	VV	922	16313	0.18%	0.054%
145	9.245	9.230	9.265	VV	694	11216	0.13%	0.037%
146	9.271	9.265	9.277	VV	756	4434	0.05%	0.015%
147	9.295	9.277	9.316	VV	1069	17347	0.20%	0.057%
148	9.341	9.316	9.357	VV	1105	20837	0.24%	0.069%
149	9.361	9.357	9.382	VV	684	8392	0.09%	0.028%
150	9.396	9.382	9.429	VV	800	19484	0.22%	0.064%
151	9.441	9.429	9.448	VV	778	7692	0.09%	0.025%
152	9.453	9.448	9.458	VV	714	3971	0.04%	0.013%
153	9.476	9.458	9.532	VV	1393	31031	0.35%	0.102%
154	9.546	9.532	9.555	VV	647	6875	0.08%	0.023%
155	9.559	9.555	9.575	VV	533	5668	0.06%	0.019%
156	9.588	9.575	9.594	VV	584	6184	0.07%	0.020%
157	9.612	9.594	9.644	VV	798	17395	0.20%	0.057%
158	9.663	9.644	9.677	VV	703	10656	0.12%	0.035%
159	9.681	9.677	9.698	VV	572	5238	0.06%	0.017%
160	9.723	9.698	9.744	VV	1715	25933	0.29%	0.086%
161	9.755	9.744	9.761	VV	682	5773	0.07%	0.019%
162	9.765	9.761	9.784	VV	593	6660	0.08%	0.022%
163	9.793	9.784	9.814	VV	681	10285	0.12%	0.034%
164	9.822	9.814	9.857	VV	606	10946	0.12%	0.036%
165	9.884	9.857	9.917	VV	1044	22562	0.26%	0.074%
166	9.922	9.917	9.931	VV	434	3360	0.04%	0.011%
167	9.959	9.931	9.967	VV	680	10842	0.12%	0.036%
168	9.973	9.967	9.994	VV	627	8390	0.09%	0.028%
169	9.998	9.994	10.007	VV	507	3333	0.04%	0.011%
170	10.010	10.007	10.015	VV	434	2000	0.02%	0.007%
171	10.019	10.015	10.023	VV	525	2037	0.02%	0.007%
172	10.030	10.023	10.034	VV	470	2741	0.03%	0.009%
173	10.048	10.034	10.055	VV	532	6049	0.07%	0.020%
174	10.080	10.055	10.100	VV	1382	21920	0.25%	0.072%
175	10.106	10.100	10.125	VV	681	7323	0.08%	0.024%
176	10.162	10.125	10.174	VV	623	11683	0.13%	0.039%
177	10.202	10.174	10.230	VV	704	16127	0.18%	0.053%
178	10.249	10.230	10.259	VV	505	7490	0.08%	0.025%
179	10.270	10.259	10.283	VV	599	6744	0.08%	0.022%
180	10.289	10.283	10.293	VV	528	2675	0.03%	0.009%
181	10.312	10.293	10.332	VV	718	12675	0.14%	0.042%
182	10.346	10.332	10.352	VV	723	7002	0.08%	0.023%
183	10.358	10.352	10.378	VV	600	8709	0.10%	0.029%
184	10.381	10.378	10.390	VV	664	3123	0.04%	0.010%
185	10.405	10.390	10.426	VV	845	13392	0.15%	0.044%
186	10.438	10.426	10.445	VV	617	5751	0.07%	0.019%
187	10.446	10.445	10.452	VV	581	1589	0.02%	0.005%
188	10.509	10.452	10.522	VV	788	24664	0.28%	0.081%
189	10.529	10.522	10.534	VV	649	4338	0.05%	0.014%
190	10.541	10.534	10.548	VV	575	4440	0.05%	0.015%
191	10.568	10.548	10.586	VV	872	14677	0.17%	0.048%
192	10.604	10.586	10.623	VV	942	16488	0.19%	0.054%
193	10.625	10.623	10.654	VV	673	8270	0.09%	0.027%
194	10.677	10.654	10.682	VV	830	9683	0.11%	0.032%

					rteres			
195	10.685	10.682	10.691	VV	804	3652	0.04%	0.012%
196	10.695	10.691	10.703	VV	671	4468	0.05%	0.015%
197	10.715	10.703	10.735	VV	1010	15301	0.17%	0.050%
198	10.753	10.735	10.782	VV	1162	19572	0.22%	0.065%
199	10.792	10.782	10.798	VV	638	4098	0.05%	0.014%
200	10.811	10.798	10.833	VV	604	10860	0.12%	0.036%
201	10.842	10.833	10.855	VV	659	7512	0.08%	0.025%
202	10.868	10.855	10.920	VV	1124	23755	0.27%	0.078%
203	10.949	10.920	10.977	VV	1287	24464	0.28%	0.081%
204	10.988	10.977	11.006	VV	600	8206	0.09%	0.027%
205	11.028	11.006	11.035	VV	567	7086	0.08%	0.023%
206	11.047	11.035	11.061	VV	701	7883	0.09%	0.026%
207	11.066	11.061	11.093	VV	497	6684	0.08%	0.022%
208	11.099	11.093	11.118	VV	230	3567	0.04%	0.012%
209	11.139	11.118	11.165	VV	524	8391	0.09%	0.028%
210	11.177	11.165	11.188	VV	304	2975	0.03%	0.010%
211	11.194	11.188	11.198	VV	270	1227	0.01%	0.004%
212	11.215	11.198	11.229	VV	375	4967	0.06%	0.016%
213	11.253	11.229	11.280	VV	1693	24704	0.28%	0.082%
214	11.300	11.280	11.308	VV	571	7449	0.08%	0.025%
215	11.329	11.308	11.353	VV	1230	19856	0.22%	0.066%
216	11.359	11.353	11.367	VV	438	2545	0.03%	0.008%
217	11.375	11.367	11.385	VV	431	3636	0.04%	0.012%
218	11.414	11.385	11.432	VV	957	15192	0.17%	0.050%
219	11.437	11.432	11.445	VV	456	2640	0.03%	0.009%
220	11.453	11.445	11.459	VV	331	2511	0.03%	0.008%
221	11.467	11.459	11.505	VV	390	7845	0.09%	0.026%
222	11.512	11.505	11.532	VV	283	3292	0.04%	0.011%
223	11.539	11.532	11.551	VV	372	2665	0.03%	0.009%
224	11.559	11.551	11.574	VV	345	3748	0.04%	0.012%
225	11.589	11.574	11.605	VV	368	5356	0.06%	0.018%
226	11.648	11.605	11.687	VV	819971	8842644	100.00%	29.175%
227	11.721	11.687	11.725	VV	725	12364	0.14%	0.041%
228	11.731	11.725	11.756	VV	822	11318	0.13%	0.037%
229	11.771	11.756	11.777	VV	594	5794	0.07%	0.019%
230	11.788	11.777	11.793	VV	673	5736	0.06%	0.019%
231	11.802	11.793	11.830	VV	810	10860	0.12%	0.036%
232	11.839	11.830	11.854	VV	432	4230	0.05%	0.014%
233	11.862	11.854	11.877	VV	390	3779	0.04%	0.012%
234	11.882	11.877	11.913	VV	324	6511	0.07%	0.021%
235	11.981	11.913	12.013	VV	902	33175	0.38%	0.109%
236	12.040	12.013	12.068	VV	6332	76794	0.87%	0.253%
237	12.081	12.068	12.102	VV	709	9239	0.10%	0.030%
238	12.120	12.102	12.140	VV	473	8956	0.10%	0.030%
239	12.232	12.140	12.350	VV	9266	184613	2.09%	0.609%
240	12.364	12.350	12.387	VV	671	11995	0.14%	0.040%
241	12.403	12.387	12.410	VV	538	7325	0.08%	0.024%
242	12.420	12.410	12.428	VV	568	5904	0.07%	0.019%
243	12.443	12.428	12.457	VV	790	10305	0.12%	0.034%
244	12.492	12.457	12.538	VV	3511	60559	0.68%	0.200%
245	12.568	12.538	12.595	VV	714	13632	0.15%	0.045%
246	12.627	12.595	12.658	VV	935	18618	0.21%	0.061%

					rteres			
247	12.690	12.658	12.727	VV	889	20283	0.23%	0.067%
248	12.748	12.727	12.792	VV	774	17801	0.20%	0.059%
249	12.810	12.792	12.823	VV	365	5069	0.06%	0.017%
250	12.833	12.823	12.849	VV	339	4754	0.05%	0.016%
251	12.862	12.849	12.890	VV	488	8438	0.10%	0.028%
252	12.915	12.890	12.950	VV	517	14002	0.16%	0.046%
253	12.988	12.950	13.010	VV	630	14225	0.16%	0.047%
254	13.028	13.010	13.038	VV	713	9394	0.11%	0.031%
255	13.073	13.038	13.107	VV	199918	2312088	26.15%	7.629%
256	13.116	13.107	13.172	VV	672	17225	0.19%	0.057%
257	13.231	13.172	13.252	VV	481	15399	0.17%	0.051%
258	13.291	13.252	13.318	VV	3207	47901	0.54%	0.158%
259	13.356	13.318	13.392	VV	552	18379	0.21%	0.061%
260	13.413	13.392	13.430	VV	540	8463	0.10%	0.028%
261	13.469	13.430	13.549	VV	2492	73715	0.83%	0.243%
262	13.571	13.549	13.629	VV	758	28590	0.32%	0.094%
263	13.640	13.629	13.665	VV	597	10531	0.12%	0.035%
264	13.692	13.665	13.715	VV	873	18770	0.21%	0.062%
265	13.733	13.715	13.747	VV	512	8341	0.09%	0.028%
266	13.770	13.747	13.798	VV	913	17168	0.19%	0.057%
267	13.822	13.798	13.848	VV	831	16158	0.18%	0.053%
268	13.857	13.848	13.869	VV	525	4390	0.05%	0.014%
269	13.883	13.869	13.938	VV	422	12126	0.14%	0.040%
270	13.959	13.938	13.988	VV	356	5801	0.07%	0.019%
271	14.055	13.988	14.083	PV	404	12994	0.15%	0.043%
272	14.091	14.083	14.100	VV	322	2168	0.02%	0.007%
273	14.110	14.100	14.132	VV	345	4699	0.05%	0.016%
274	14.161	14.132	14.183	VV	468	11073	0.13%	0.037%
275	14.194	14.183	14.205	VV	375	4083	0.05%	0.013%
276	14.212	14.205	14.230	VV	308	4578	0.05%	0.015%
277	14.256	14.230	14.288	VV	1643	28077	0.32%	0.093%
278	14.298	14.288	14.341	VV	391	8456	0.10%	0.028%
279	14.391	14.341	14.428	VV	554	17423	0.20%	0.057%
280	14.436	14.428	14.450	VV	473	5096	0.06%	0.017%
281	14.463	14.450	14.469	VV	387	3751	0.04%	0.012%
282	14.490	14.469	14.502	VV	521	8532	0.10%	0.028%
283	14.546	14.502	14.580	VV	824	26298	0.30%	0.087%
284	14.593	14.580	14.628	VV	634	13406	0.15%	0.044%
285	14.646	14.628	14.681	VV	448	10478	0.12%	0.035%
286	14.701	14.681	14.752	VV	517	17685	0.20%	0.058%
287	14.766	14.752	14.783	VV	326	6474	0.07%	0.021%
288	14.794	14.783	14.828	VV	348	6213	0.07%	0.021%
289	14.856	14.828	14.876	VV	2234	31292	0.35%	0.103%
290	14.897	14.876	14.963	VV	1864	42641	0.48%	0.141%
291	14.977	14.963	14.993	VV	319	4283	0.05%	0.014%
292	15.012	14.993	15.048	VV	300	7581	0.09%	0.025%
293	15.056	15.048	15.067	VV	323	2792	0.03%	0.009%
294	15.087	15.067	15.139	VV	589	15130	0.17%	0.050%
295	15.154	15.139	15.182	VV	445	7153	0.08%	0.024%
296	15.218	15.182	15.262	VV	826	20876	0.24%	0.069%
297	15.282	15.262	15.295	VV	388	4685	0.05%	0.015%
298	15.339	15.295	15.378	VV	711	18551	0.21%	0.061%
299	15.387	15.378	15.419	VV	330	6195	0.07%	0.020%

					rteres			
300	15.460	15.419	15.527	VV	2392	41048	0.46%	0.135%
301	15.559	15.527	15.578	VV	384	7415	0.08%	0.024%
302	15.588	15.578	15.606	VV	359	4374	0.05%	0.014%
303	15.653	15.606	15.695	VV	649	19187	0.22%	0.063%
304	15.733	15.695	15.750	VV	479	9188	0.10%	0.030%
305	15.763	15.750	15.780	VV	421	5484	0.06%	0.018%
306	15.791	15.780	15.855	VV	351	14141	0.16%	0.047%
307	15.864	15.855	15.880	VV	410	4405	0.05%	0.015%
308	15.901	15.880	15.919	VV	442	7428	0.08%	0.025%
309	15.938	15.919	15.977	VV	672	14893	0.17%	0.049%
310	16.001	15.977	16.032	VV	533	9618	0.11%	0.032%
311	16.042	16.032	16.053	VV	245	2618	0.03%	0.009%
312	16.108	16.053	16.149	VV	886	23897	0.27%	0.079%
313	16.157	16.149	16.207	VV	294	6140	0.07%	0.020%
314	16.212	16.207	16.220	VV	227	1022	0.01%	0.003%
315	16.240	16.220	16.272	PV	369	5740	0.06%	0.019%
316	16.279	16.272	16.290	VV	281	1920	0.02%	0.006%
317	16.301	16.290	16.349	VV	444	6484	0.07%	0.021%
318	16.407	16.349	16.421	PV	1723	26678	0.30%	0.088%
319	16.437	16.421	16.487	VV	2195	36454	0.41%	0.120%
320	16.504	16.487	16.537	VV	731	14120	0.16%	0.047%
321	16.562	16.537	16.586	VV	824	16186	0.18%	0.053%
322	16.596	16.586	16.618	VV	636	7823	0.09%	0.026%
323	16.629	16.618	16.651	VV	376	5319	0.06%	0.018%
324	16.657	16.651	16.683	VV	314	5122	0.06%	0.017%
325	16.690	16.683	16.711	VV	429	3531	0.04%	0.012%
326	16.723	16.711	16.763	VV	333	7655	0.09%	0.025%
327	16.786	16.763	16.852	VV	2436	42017	0.48%	0.139%
328	16.856	16.852	16.872	VV	324	3291	0.04%	0.011%
329	16.889	16.872	16.941	VV	756	13752	0.16%	0.045%
330	16.954	16.941	16.972	VV	259	3138	0.04%	0.010%
331	16.982	16.972	16.990	VV	332	2635	0.03%	0.009%
332	17.001	16.990	17.053	VV	346	7381	0.08%	0.024%
333	17.074	17.053	17.085	VV	204	2432	0.03%	0.008%
334	17.094	17.085	17.120	VV	224	2543	0.03%	0.008%
335	17.129	17.120	17.147	VV	107	1663	0.02%	0.005%
336	17.173	17.147	17.203	VV	383	5134	0.06%	0.017%
337	17.236	17.203	17.252	VV	268	3835	0.04%	0.013%
338	17.280	17.252	17.290	VV	198	3204	0.04%	0.011%
339	17.299	17.290	17.308	VV	258	1443	0.02%	0.005%
340	17.339	17.308	17.375	VV	884	14447	0.16%	0.048%
341	17.417	17.375	17.432	VV	363	6757	0.08%	0.022%
342	17.439	17.432	17.453	VV	357	3119	0.04%	0.010%
343	17.463	17.453	17.495	VV	276	4652	0.05%	0.015%
344	17.510	17.495	17.534	VV	338	5514	0.06%	0.018%
345	17.565	17.534	17.590	VV	372	8625	0.10%	0.028%
346	17.609	17.590	17.634	VV	433	8109	0.09%	0.027%
347	17.650	17.634	17.700	VV	461	12533	0.14%	0.041%
348	17.705	17.700	17.747	VV	355	7060	0.08%	0.023%
349	17.773	17.747	17.842	VV	1315	24662	0.28%	0.081%
350	17.865	17.842	17.885	VV	343	4247	0.05%	0.014%
351	17.895	17.885	17.906	VV	118	1518	0.02%	0.005%

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352	17.933	17.906	17.970	PV	428	9102	0.10%	0.030%
353	17.994	17.970	18.030	VV	357	8615	0.10%	0.028%
354	18.054	18.030	18.085	VV	442	9754	0.11%	0.032%
355	18.093	18.085	18.102	VV	359	2302	0.03%	0.008%
356	18.147	18.102	18.166	VV	7979	105129	1.19%	0.347%
357	18.188	18.166	18.230	VV	12357	173998	1.97%	0.574%
358	18.239	18.230	18.258	VV	432	5697	0.06%	0.019%
359	18.294	18.258	18.307	VV	383	7600	0.09%	0.025%
360	18.318	18.307	18.333	VV	390	4994	0.06%	0.016%
361	18.340	18.333	18.358	VV	395	3714	0.04%	0.012%
362	18.399	18.358	18.478	VV	5265	84912	0.96%	0.280%
363	18.487	18.478	18.495	VV	333	2879	0.03%	0.009%
364	18.504	18.495	18.513	VV	389	3285	0.04%	0.011%
365	18.528	18.513	18.553	VV	447	8110	0.09%	0.027%
366	18.560	18.553	18.570	VV	384	3016	0.03%	0.010%
367	18.602	18.570	18.698	VV	1336	37057	0.42%	0.122%
368	18.708	18.698	18.718	VV	153	1337	0.02%	0.004%
369	18.768	18.718	18.802	PV	264	10698	0.12%	0.035%
370	18.810	18.802	18.818	VV	271	2129	0.02%	0.007%
371	18.827	18.818	18.839	VV	307	2576	0.03%	0.008%
372	18.864	18.839	18.877	VV	225	3955	0.04%	0.013%
373	18.906	18.877	18.925	VV	284	4446	0.05%	0.015%
374	18.932	18.925	18.945	VV	202	1469	0.02%	0.005%
					Sum of corrected areas:	30308498		

Aromatic EPH 052425.M Tue Jun 10 03:00:44 2025



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC052425AL

AreaCount

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

AVG Response Factor

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

Concentration

Parameter Range	FC068998.D	FC068999.D	FC069000.D	FC069001.D	FC069002.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

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

Initial Calibration Report for SequenceID : FC052425AL

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

Initial Calibration Report for SequenceID : FD052425AR

AreaCount

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

AVG Response Factor

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

Concentration

Parameter Range	FD049394.D	FD049395.D	FD049396.D	FD049397.D	FD049398.D	
Aromatic C10-C12	200.000	100.000	40.000	20.000	10.000	
Aromatic C12-C16	300.000	150.000	60.000	30.000	15.000	
Aromatic C16-C21	400.000	200.000	80.000	40.000	20.000	
Aromatic C21-C36	900.000	450.000	180.000	90.000	45.000	
Aromatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

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

Continuing Calibration Report for SequenceID : FC060925AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC069133.D

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

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
 Data File : FC069133.D
 Signal(s) : FID1A.ch
 Acq On : 09 Jun 2025 12:17
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/10/2025
 Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e
 Quant Time: Jun 10 05:23:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.675	2457830	19.927 ug/ml
Spiked Amount 50.000		Recovery =	39.85%
12) S 1-chlorooctadecane (S...	13.112	1686192	18.795 ug/ml
Spiked Amount 50.000		Recovery =	37.59%
Target Compounds			
1) T n-Nonane (C9)	3.399	2145430	20.216 ug/ml
2) T n-Decane (C10)	4.475	2162880	20.422 ug/ml
3) T A~Naphthalene (C11.7)	6.071	2345660	20.285 ug/ml
4) T n-Dodecane (C12)	6.502	2130689	20.269 ug/ml
5) T A~2-methylnaphthalene...	7.131	2284278	20.149 ug/ml
6) T n-Tetradecane (C14)	8.303	2053079	20.029 ug/ml
7) T n-Hexadecane (C16)	9.908	1997429	19.685 ug/ml
8) T n-Octadecane (C18)	11.351	1952080	19.532 ug/mlm
10) T n-Eicosane (C20)	12.665	1870574	19.205 ug/ml
11) T n-Heneicosane (C21)	13.279	1842160	19.139 ug/ml
13) T n-Docosane (C22)	13.866	1826744	19.175 ug/ml
14) T n-Tetracosane (C24)	14.972	1803749	19.158 ug/ml
15) T n-Hexacosane (C26)	15.995	1798936	19.376 ug/ml
16) T n-Octacosane (C28)	16.947	1863490	20.048 ug/mlm
17) T n-Tricontane (C30)	17.837	2037588	21.059 ug/ml
18) T n-Dotriacontane (C32)	18.672	2129645	21.490 ug/ml
19) T n-Tetratriacontane (C34)	19.458	1998780	20.739 ug/ml
20) T n-Hexatriacontane (C36)	20.201	1880637	19.811 ug/ml
21) T n-Octatriacontane (C38)	20.969	1693399	18.561 ug/ml
22) T n-Tetracontane (C40)	21.937	1487114	16.854 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069133.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 12:17
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

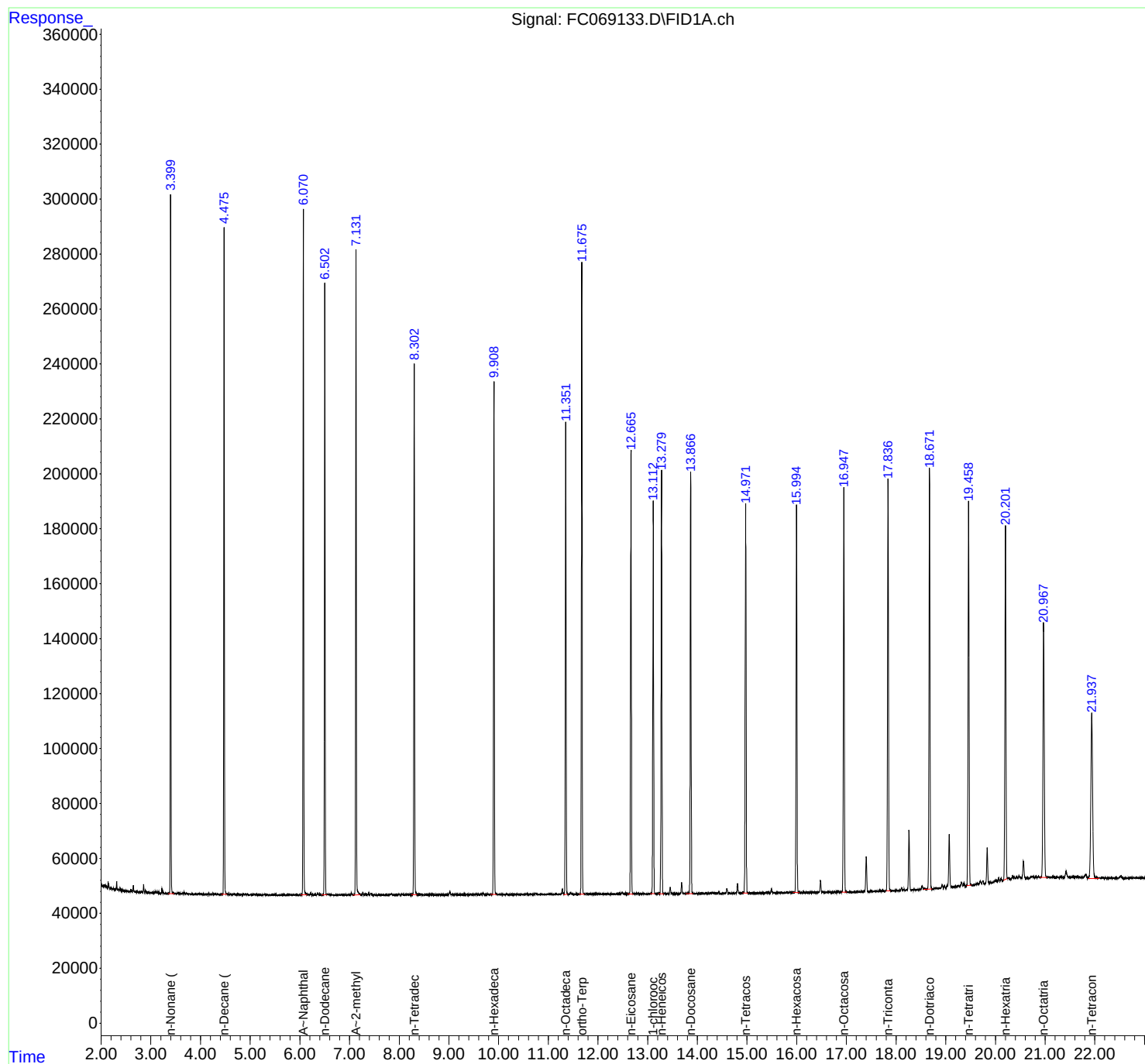
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e
Quant Time: Jun 10 05:23:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



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Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06092
Data File : FC069133.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 12:17
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.399	3.345	3.467	BB	254435	2145430	87.29%	4.952%
2	4.475	4.422	4.528	BB	242542	2162880	88.00%	4.992%
3	6.071	6.017	6.142	BB	248655	2345660	95.44%	5.414%
4	6.502	6.438	6.550	BB	222525	2130689	86.69%	4.918%
5	7.131	7.063	7.213	BB	233804	2284278	92.94%	5.272%
6	8.303	8.242	8.363	BB	192567	2053079	83.53%	4.739%
7	9.908	9.845	9.958	BB	187346	1997429	81.27%	4.610%
8	11.352	11.330	11.388	BB	170793	1900671	77.33%	4.387%
9	11.675	11.618	11.732	BB	229835	2457830	100.00%	5.673%
10	12.665	12.605	12.712	BB	160842	1870574	76.11%	4.317%
11	13.112	13.050	13.143	BB	142633	1686192	68.60%	3.892%
12	13.279	13.215	13.325	BB	152911	1842160	74.95%	4.252%
13	13.866	13.770	13.910	BB	152834	1826744	74.32%	4.216%
14	14.972	14.908	15.022	BB	141898	1803749	73.39%	4.163%
15	15.995	15.927	16.048	BB	141007	1798936	73.19%	4.152%
16	16.947	16.790	16.998	BB	146526	1869133	76.05%	4.314%
17	17.837	17.800	17.885	BB	150108	2037588	82.90%	4.703%
18	18.672	18.553	18.723	VB	152714	2129645	86.65%	4.915%
19	19.458	19.420	19.513	BB	139572	1998780	81.32%	4.613%
20	20.201	20.160	20.238	BB	128817	1880637	76.52%	4.341%
21	20.969	20.888	21.048	BB	90833	1693399	68.90%	3.908%
22	21.937	21.890	22.032	BB	59122	1411641	57.43%	3.258%
Sum of corrected areas:						43327123		

Aliphatic EPH 052425.M Tue Jun 10 06:17:29 2025

Continuing Calibration Report for SequenceID : FC060925AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC069140.D

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

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
 Data File : FC069140.D
 Signal(s) : FID1A.ch
 Acq On : 09 Jun 2025 21:41
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/10/2025
 Supervised By :mohammad ahmed 06/11/2025

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

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.676	2585004	20.958 ug/ml
Spiked Amount 50.000		Recovery =	41.92%
12) S 1-chlorooctadecane (S...	13.113	1791782	19.972 ug/ml
Spiked Amount 50.000		Recovery =	39.94%
Target Compounds			
1) T n-Nonane (C9)	3.400	2313216	21.797 ug/ml
2) T n-Decane (C10)	4.476	2327777	21.979 ug/ml
3) T A~Naphthalene (C11.7)	6.071	2511598	21.720 ug/ml
4) T n-Dodecane (C12)	6.503	2257578	21.476 ug/ml
5) T A~2-methylnaphthalene...	7.131	2427066	21.408 ug/ml
6) T n-Tetradecane (C14)	8.303	2148076	20.956 ug/ml
7) T n-Hexadecane (C16)	9.908	2073321	20.433 ug/ml
8) T n-Octadecane (C18)	11.353	2039392	20.405 ug/mlm
10) T n-Eicosane (C20)	12.666	1961471	20.139 ug/ml
11) T n-Heneicosane (C21)	13.280	1931191	20.064 ug/ml
13) T n-Docosane (C22)	13.867	1949503	20.463 ug/ml
14) T n-Tetracosane (C24)	14.972	1998106	21.222 ug/mlm
15) T n-Hexacosane (C26)	15.995	2033894	21.907 ug/ml
16) T n-Octacosane (C28)	16.948	2117477	22.780 ug/ml
17) T n-Tricontane (C30)	17.839	2232737	23.076 ug/ml
18) T n-Dotriacontane (C32)	18.673	2300045	23.210 ug/ml
19) T n-Tetratriacontane (C34)	19.459	2150755	22.316 ug/ml
20) T n-Hexatriacontane (C36)	20.201	2012293	21.198 ug/ml
21) T n-Octatriacontane (C38)	20.969	1822170	19.972 ug/ml
22) T n-Tetracontane (C40)	21.940	1650142	18.702 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069140.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 21:41
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

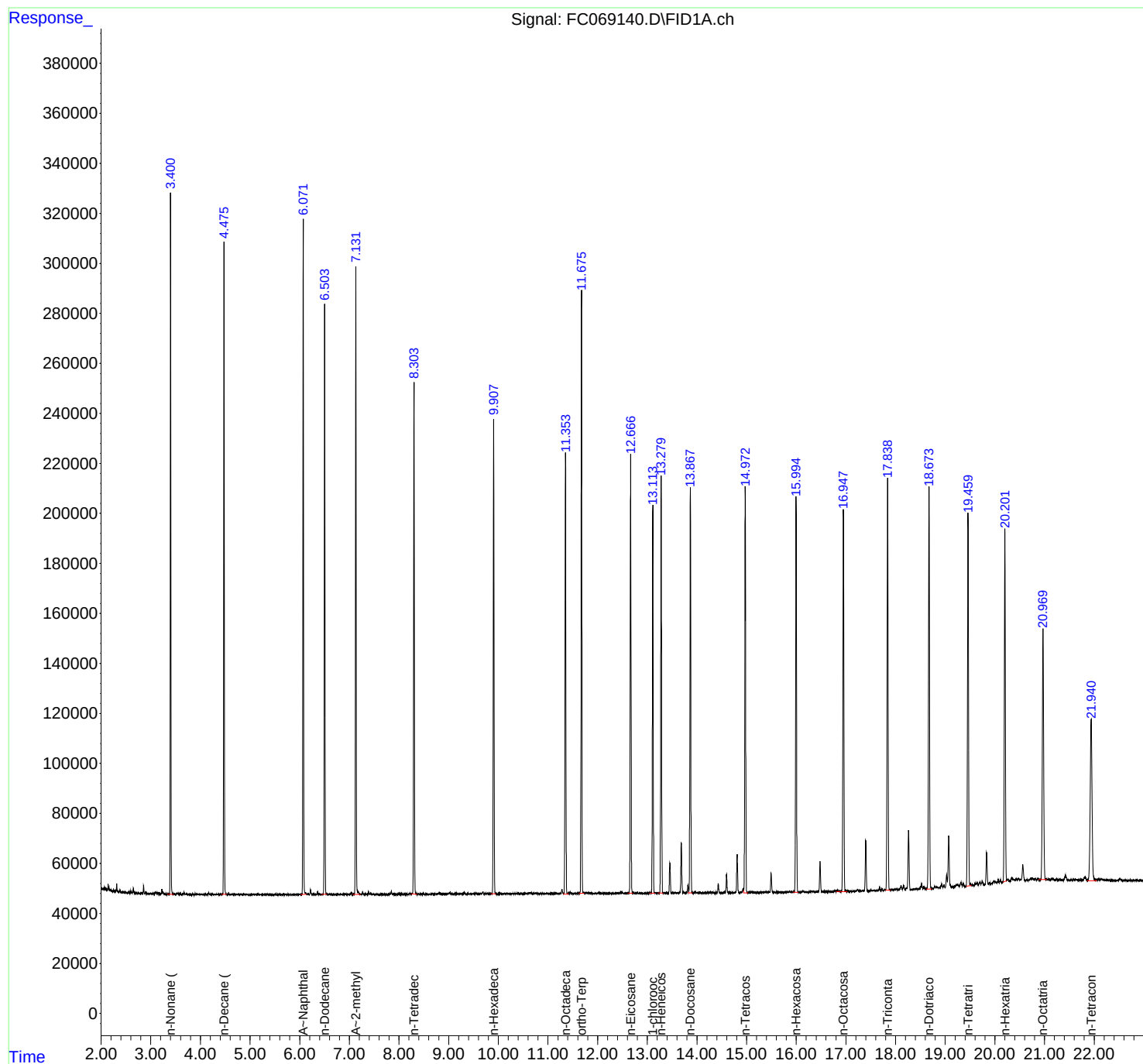
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

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

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



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Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06092
Data File : FC069140.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 21:41
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.400	3.337	3.469	BB	280450	2313216	89.49%	4.975%
2	4.476	4.419	4.532	BB	260989	2327777	90.05%	5.007%
3	6.071	6.019	6.142	BB	270048	2511598	97.16%	5.402%
4	6.503	6.439	6.542	BB	236577	2257578	87.33%	4.856%
5	7.131	7.064	7.224	BB	251301	2427066	93.89%	5.220%
6	8.303	8.249	8.369	BB	204433	2148076	83.10%	4.620%
7	9.908	9.847	9.955	BB	190009	2073321	80.21%	4.459%
8	11.353	11.330	11.395	BB	174394	1970497	76.23%	4.238%
9	11.676	11.617	11.735	BB	240377	2585004	100.00%	5.560%
10	12.666	12.605	12.717	BB	174579	1961471	75.88%	4.219%
11	13.113	13.047	13.157	BB	154729	1791782	69.31%	3.854%
12	13.280	13.217	13.317	BB	165531	1931191	74.71%	4.154%
13	13.867	13.835	13.915	VB	161569	1949503	75.42%	4.193%
14	14.972	14.887	15.019	BB	162580	2013629	77.90%	4.331%
15	15.995	15.929	16.045	BB	156003	2033894	78.68%	4.375%
16	16.948	16.804	17.020	BB	152078	2117477	81.91%	4.554%
17	17.839	17.800	17.894	BB	164533	2232737	86.37%	4.802%
18	18.673	18.615	18.735	BB	161072	2300045	88.98%	4.947%
19	19.459	19.420	19.530	BB	148481	2150755	83.20%	4.626%
20	20.201	20.160	20.240	BV	140444	2012293	77.84%	4.328%
21	20.969	20.887	21.047	BB	100070	1822170	70.49%	3.919%
22	21.939	21.890	22.037	BB	62974	1562840	60.46%	3.361%
Sum of corrected areas:							46493918	

Aliphatic EPH 052425.M Tue Jun 10 06:19:39 2025

Continuing Calibration Report for SequenceID : FC061125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC069156.D

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

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069156.D
 Signal(s) : FID1A.ch
 Acq On : 11 Jun 2025 12:12
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

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

Integration File: autoint1.e
 Quant Time: Jun 12 06:04:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.677	2591640	21.011 ug/ml
Spiked Amount 50.000		Recovery =	42.02%
12) S 1-chlorooctadecane (S...	13.113	1779328	19.833 ug/ml
Spiked Amount 50.000		Recovery =	39.67%
Target Compounds			
1) T n-Nonane (C9)	3.403	2267261	21.364 ug/ml
2) T n-Decane (C10)	4.479	2286075	21.586 ug/ml
3) T A~Naphthalene (C11.7)	6.074	2495853	21.584 ug/ml
4) T n-Dodecane (C12)	6.505	2230334	21.217 ug/ml
5) T A~2-methylnaphthalene...	7.133	2418396	21.332 ug/ml
6) T n-Tetradecane (C14)	8.305	2127397	20.754 ug/ml
7) T n-Hexadecane (C16)	9.910	2060073	20.303 ug/ml
8) T n-Octadecane (C18)	11.354	2013114	20.142 ug/mlm
10) T n-Eicosane (C20)	12.667	1953241	20.054 ug/ml
11) T n-Heneicosane (C21)	13.280	1922472	19.973 ug/ml
13) T n-Docosane (C22)	13.867	1944741	20.413 ug/ml
14) T n-Tetracosane (C24)	14.973	2004609	21.291 ug/ml
15) T n-Hexacosane (C26)	15.996	2054567	22.130 ug/ml
16) T n-Octacosane (C28)	16.948	2132736	22.944 ug/mlm
17) T n-Tricontane (C30)	17.839	2292064	23.689 ug/ml
18) T n-Dotriacontane (C32)	18.673	2364370	23.859 ug/ml
19) T n-Tetratriacontane (C34)	19.459	2197097	22.796 ug/ml
20) T n-Hexatriacontane (C36)	20.199	2024949	21.331 ug/ml
21) T n-Octatriacontane (C38)	20.970	1780168	19.512 ug/ml
22) T n-Tetracontane (C40)	21.933	1502759	17.031 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069156.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 12:12
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

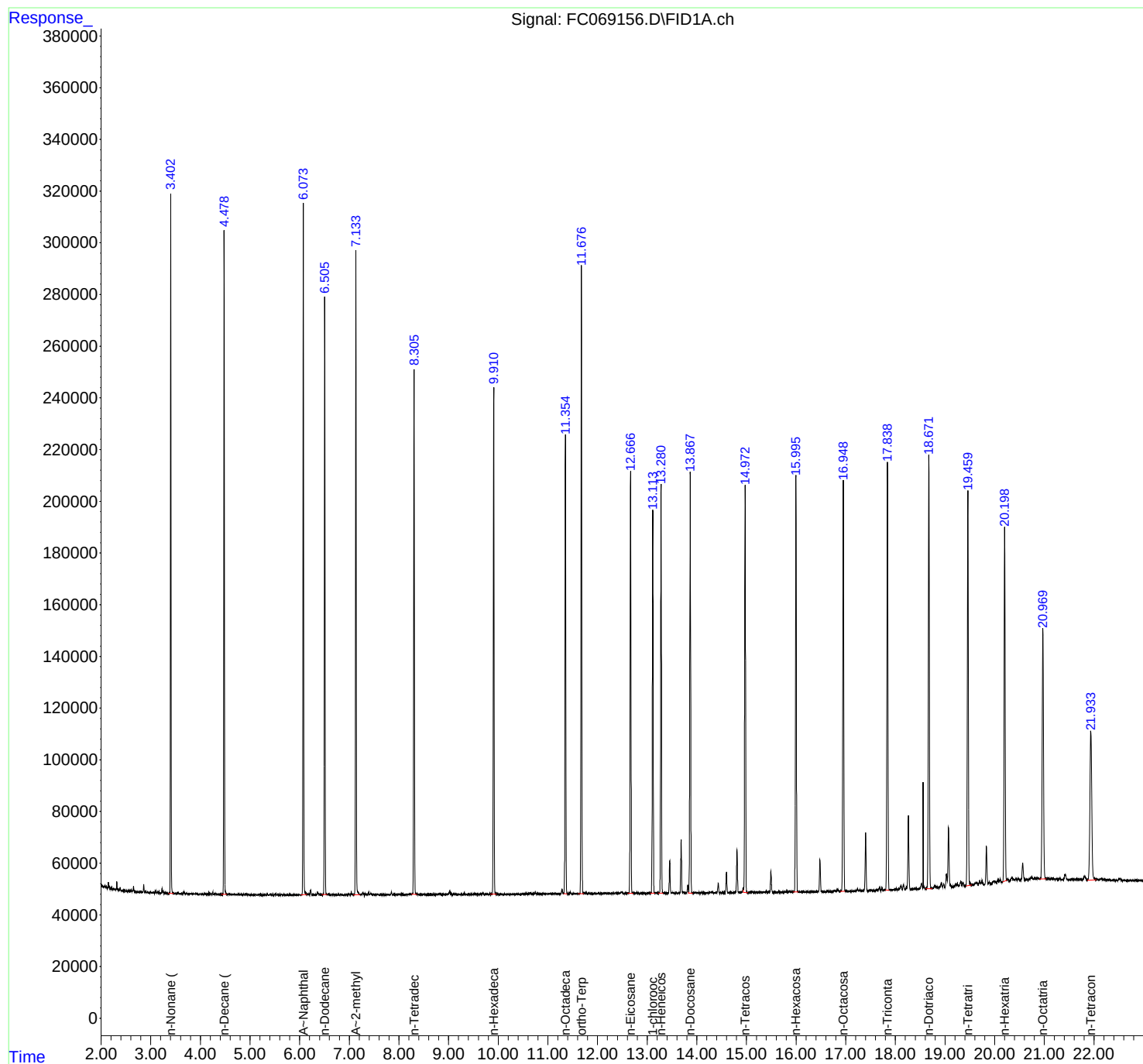
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

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

Integration File: autoint1.e
Quant Time: Jun 12 06:04:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



nteres

Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD
Area Percent Report

Manual IntegrationsAPPROVED

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06112
Data File : FC069156.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 12:12
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.403	3.352	3.465	BB	269746	2267261	87.48%	4.892%
2	4.479	4.424	4.535	BB	256511	2286075	88.21%	4.932%
3	6.074	6.022	6.145	BB	267123	2495853	96.30%	5.385%
4	6.505	6.442	6.555	BB	231192	2230334	86.06%	4.812%
5	7.133	7.079	7.222	BB	249246	2418396	93.32%	5.218%
6	8.305	8.252	8.360	BB	203332	2127397	82.09%	4.590%
7	9.910	9.845	9.963	BB	196084	2060073	79.49%	4.445%
8	11.354	11.330	11.390	BB	176327	1984900	76.59%	4.282%
9	11.677	11.612	11.730	BB	243038	2591640	100.00%	5.591%
10	12.667	12.609	12.720	BB	163068	1953241	75.37%	4.214%
11	13.113	13.057	13.155	BB	148180	1779328	68.66%	3.839%
12	13.280	13.219	13.327	BB	158179	1922472	74.18%	4.148%
13	13.867	13.837	13.920	VB	162864	1944741	75.04%	4.196%
14	14.973	14.940	15.025	VB	157215	2004609	77.35%	4.325%
15	15.996	15.932	16.044	BB	160880	2054567	79.28%	4.433%
16	16.948	16.805	16.983	BB	159095	2146874	82.84%	4.632%
17	17.839	17.800	17.874	BB	165626	2292064	88.44%	4.945%
18	18.673	18.605	18.745	BB	166353	2364370	91.23%	5.101%
19	19.459	19.420	19.534	BB	152474	2197097	84.78%	4.740%
20	20.199	20.160	20.240	BV	136708	2024949	78.13%	4.369%
21	20.970	20.899	21.042	BB	96827	1780168	68.69%	3.841%
22	21.935	21.890	22.037	BB	56162	1423462	54.93%	3.071%
Sum of corrected areas:						46349871		

Aliphatic EPH 052425.M Thu Jun 12 06:56:55 2025

Continuing Calibration Report for SequenceID : FC061125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC069168.D

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

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
 Data File : FC069168.D
 Signal(s) : FID1A.ch
 Acq On : 12 Jun 2025 00:09
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

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

Integration File: autoint1.e
 Quant Time: Jun 12 06:07:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.677	2305016	18.688 ug/ml
Spiked Amount 50.000		Recovery =	37.38%
12) S 1-chlorooctadecane (S...	13.113	1607465	17.918 ug/ml
Spiked Amount 50.000		Recovery =	35.84%
Target Compounds			
1) T n-Nonane (C9)	3.404	2041253	19.235 ug/ml
2) T n-Decane (C10)	4.479	2061536	19.465 ug/ml
3) T A~Naphthalene (C11.7)	6.074	2221419	19.211 ug/ml
4) T n-Dodecane (C12)	6.506	2007762	19.099 ug/ml
5) T A~2-methylnaphthalene...	7.134	2152771	18.989 ug/ml
6) T n-Tetradecane (C14)	8.305	1924194	18.772 ug/ml
7) T n-Hexadecane (C16)	9.910	1874143	18.470 ug/ml
8) T n-Octadecane (C18)	11.355	1807613	18.086 ug/ml
10) T n-Eicosane (C20)	12.667	1767539	18.148 ug/ml
11) T n-Heneicosane (C21)	13.280	1733959	18.015 ug/ml
13) T n-Docosane (C22)	13.867	1743757	18.304 ug/ml
14) T n-Tetracosane (C24)	14.972	1781701	18.923 ug/mlm
15) T n-Hexacosane (C26)	15.995	1806943	19.463 ug/ml
16) T n-Octacosane (C28)	16.947	1882247	20.250 ug/mlm
17) T n-Tricontane (C30)	17.837	2007669	20.749 ug/ml
18) T n-Dotriacontane (C32)	18.671	2078032	20.969 ug/ml
19) T n-Tetratriacontane (C34)	19.457	1933658	20.063 ug/ml
20) T n-Hexatriacontane (C36)	20.198	1808046	19.046 ug/ml
21) T n-Octatriacontane (C38)	20.967	1635612	17.928 ug/ml
22) T n-Tetracontane (C40)	21.933	1522438	17.254 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069168.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 00:09
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

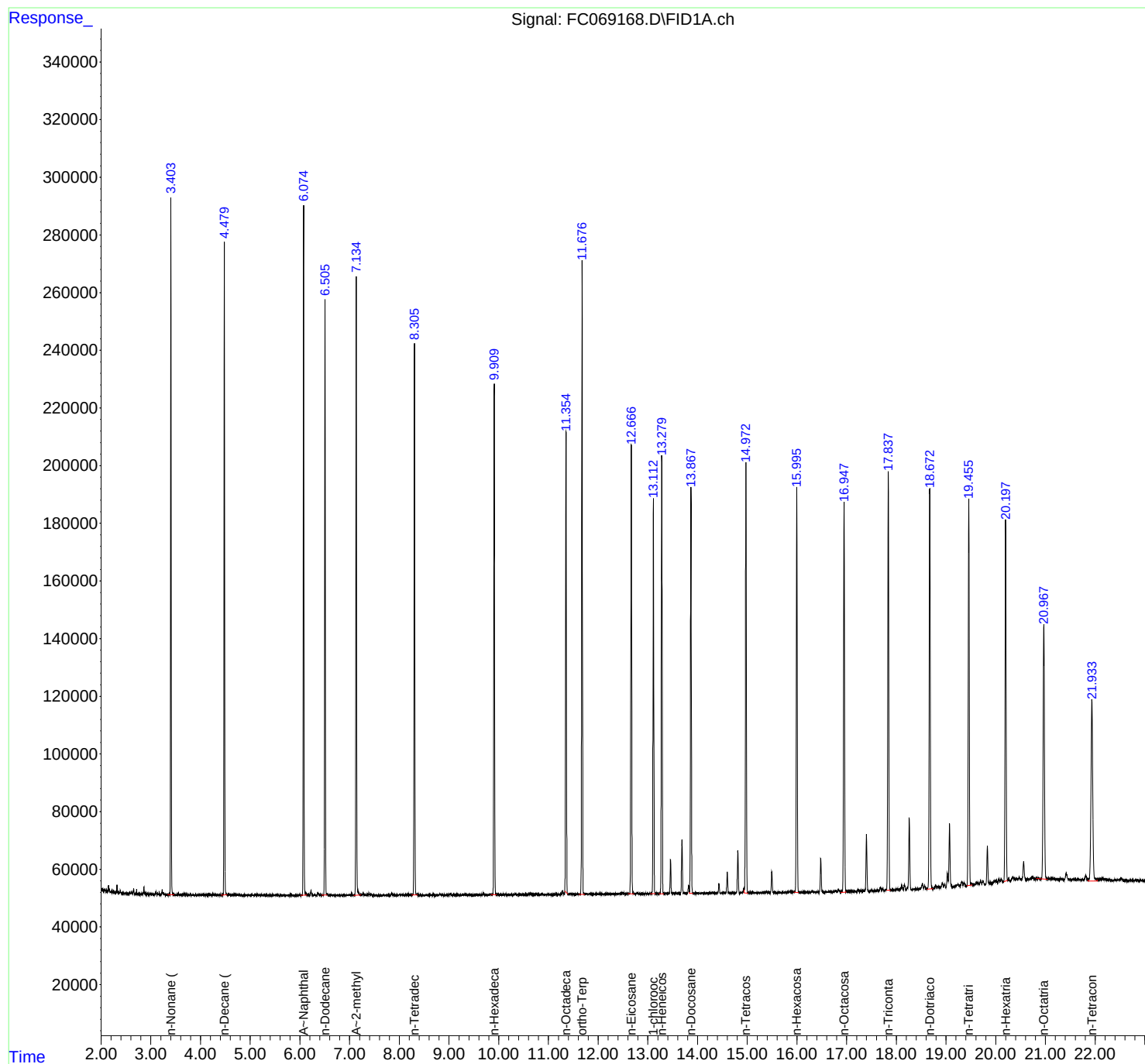
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

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

Integration File: autoint1.e
Quant Time: Jun 12 06:07:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD
Area Percent Report

Manual IntegrationsAPPROVED

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06112
Data File : FC069168.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 00:09
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.404	3.340	3.469	BB	241549	2041253	88.56%	4.908%
2	4.479	4.422	4.537	BB	226124	2061536	89.44%	4.957%
3	6.074	6.012	6.147	BB	238860	2221419	96.37%	5.341%
4	6.506	6.442	6.549	BB	206697	2007762	87.10%	4.828%
5	7.134	7.077	7.225	BB	214285	2152771	93.40%	5.176%
6	8.305	8.247	8.369	BB	190516	1924194	83.48%	4.627%
7	9.910	9.847	9.960	BB	177138	1874143	81.31%	4.506%
8	11.355	11.330	11.392	BB	159014	1807613	78.42%	4.346%
9	11.677	11.617	11.735	BB	220490	2305016	100.00%	5.542%
10	12.667	12.600	12.719	BB	155638	1767539	76.68%	4.250%
11	13.113	13.055	13.150	BB	137108	1607465	69.74%	3.865%
12	13.280	13.217	13.324	BB	151869	1733959	75.23%	4.169%
13	13.867	13.835	13.910	VB	140780	1743757	75.65%	4.193%
14	14.972	14.884	15.029	BB	149111	1794990	77.87%	4.316%
15	15.995	15.939	16.035	BB	140508	1806943	78.39%	4.345%
16	16.947	16.804	17.010	BB	135252	1885641	81.81%	4.534%
17	17.837	17.800	17.877	BB	145290	2007669	87.10%	4.827%
18	18.671	18.617	18.735	BB	137681	2078032	90.15%	4.996%
19	19.457	19.420	19.530	BB	133184	1933658	83.89%	4.649%
20	20.198	20.160	20.239	BV	125223	1808046	78.44%	4.347%
21	20.967	20.817	21.037	BB	88149	1635612	70.96%	3.933%
22	21.934	21.890	22.019	BB	61096	1391081	60.35%	3.345%
Sum of corrected areas:						41590097		

Aliphatic EPH 052425.M Thu Jun 12 07:00:52 2025

Continuing Calibration Report for SequenceID : FC061225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC069183.D

Aliphatic C9-C12	6128822.000	60.000	3.305	6.606	102147.033	105717.491	3.377
Aliphatic C12-C16	3810297.000	40.000	6.607	10.010	95257.425	101985.435	6.597
Aliphatic C16-C21	5336149.000	60.000	10.011	13.380	88935.817	97865.081	9.124
Aliphatic C21-C28	7227579.000	80.000	13.381	17.048	90344.738	93803.915	3.688
Aliphatic C28-C40	10825792.000	120.000	17.049	22.036	90214.933	94439.035	4.473
Aliphatic EPH	33328639.000	360.000	3.305	22.036	92579.553	97587.136	5.131

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	12 Jun 2025 12:02
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069183.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.305	6.606	6128822.000	60.000	ug/ml
Aliphatic C12-C16	6.607	10.010	3810297.000	40.000	ug/ml
Aliphatic C16-C21	10.011	13.380	5336149.000	60.000	ug/ml
Aliphatic C21-C28	13.381	17.048	7227579.000	80.000	ug/ml
Aliphatic C28-C40	17.049	22.036	10825792.000	120.000	ug/ml
Aliphatic EPH	3.305	22.036	33328639.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
 Data File : FC069183.D
 Signal(s) : FID1A.ch
 Acq On : 12 Jun 2025 12:02
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2025
 Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e
 Quant Time: Jun 13 02:15:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.677	2304948	18.687 ug/ml
Spiked Amount 50.000		Recovery =	37.37%
12) S 1-chlorooctadecane (S...	13.113	1611186	17.959 ug/ml
Spiked Amount 50.000		Recovery =	35.92%
Target Compounds			
1) T n-Nonane (C9)	3.405	2044697	19.267 ug/ml
2) T n-Decane (C10)	4.480	2066267	19.510 ug/ml
3) T A~Naphthalene (C11.7)	6.075	2223162	19.226 ug/ml
4) T n-Dodecane (C12)	6.506	2017858	19.195 ug/ml
5) T A~2-methylnaphthalene...	7.134	2159368	19.047 ug/ml
6) T n-Tetradecane (C14)	8.306	1931525	18.844 ug/ml
7) T n-Hexadecane (C16)	9.910	1878772	18.516 ug/ml
8) T n-Octadecane (C18)	11.355	1839300	18.403 ug/mlm
10) T n-Eicosane (C20)	12.667	1764147	18.113 ug/ml
11) T n-Heneicosane (C21)	13.280	1732702	18.002 ug/ml
13) T n-Docosane (C22)	13.868	1743237	18.298 ug/ml
14) T n-Tetracosane (C24)	14.972	1783539	18.943 ug/mlm
15) T n-Hexacosane (C26)	15.995	1813990	19.539 ug/ml
16) T n-Octacosane (C28)	16.948	1886813	20.299 ug/mlm
17) T n-Tricontane (C30)	17.837	2016424	20.840 ug/ml
18) T n-Dotriacontane (C32)	18.671	2087004	21.060 ug/ml
19) T n-Tetratriacontane (C34)	19.457	1919854	19.920 ug/ml
20) T n-Hexatriacontane (C36)	20.198	1792235	18.880 ug/ml
21) T n-Octatriacontane (C38)	20.968	1595050	17.483 ug/ml
22) T n-Tetracontane (C40)	21.936	1415225	16.039 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069183.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 12:02
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

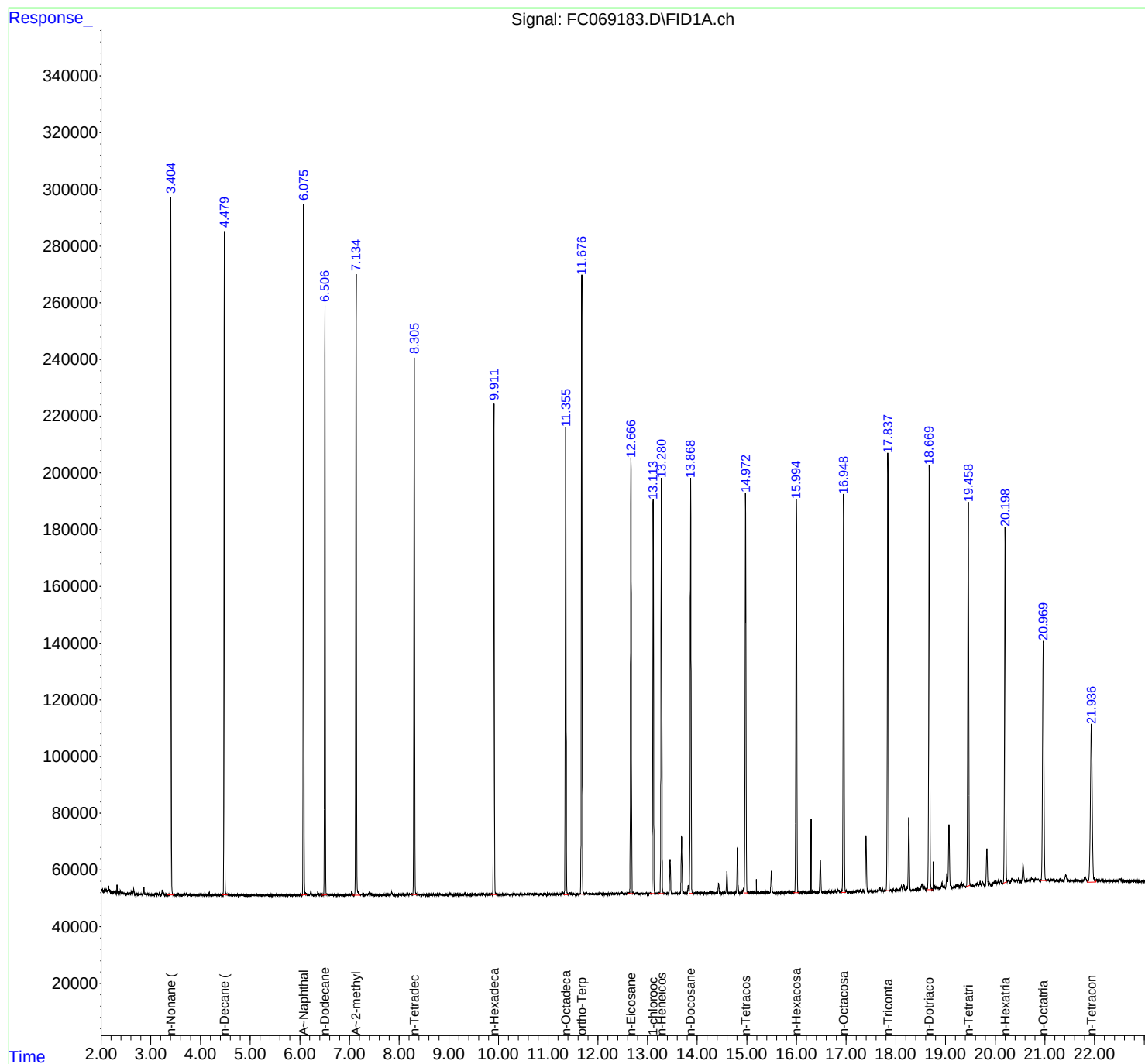
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/13/2025
Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e
Quant Time: Jun 13 02:15:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/13/2025
Supervised By :mohammad ahmed 06/16/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06122
Data File : FC069183.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 12:02
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.405	3.342	3.469	BB	244729	2044697	88.71%	4.928%
2	4.480	4.427	4.542	BB	233586	2066267	89.64%	4.980%
3	6.075	6.022	6.139	BB	243206	2223162	96.45%	5.358%
4	6.506	6.447	6.549	BB	207191	2017858	87.54%	4.863%
5	7.134	7.069	7.219	BB	219929	2159368	93.68%	5.204%
6	8.306	8.250	8.355	BB	188804	1931525	83.80%	4.655%
7	9.910	9.847	9.969	BB	172985	1878772	81.51%	4.528%
8	11.355	11.330	11.395	BB	163950	1808114	78.44%	4.358%
9	11.677	11.619	11.739	BB	218252	2304948	100.00%	5.555%
10	12.667	12.607	12.717	BB	153347	1764147	76.54%	4.252%
11	13.113	13.054	13.152	BB	139009	1611186	69.90%	3.883%
12	13.280	13.220	13.327	BB	146040	1732702	75.17%	4.176%
13	13.868	13.836	13.917	VB	146384	1743237	75.63%	4.201%
14	14.972	14.884	15.015	BB	140672	1798349	78.02%	4.334%
15	15.995	15.942	16.044	BB	137830	1813990	78.70%	4.372%
16	16.948	16.739	16.983	BB	140887	1893199	82.14%	4.563%
17	17.837	17.800	17.877	BB	153806	2016424	87.48%	4.860%
18	18.671	18.614	18.739	BB	148998	2087004	90.54%	5.030%
19	19.457	19.420	19.493	BV	134916	1919854	83.29%	4.627%
20	20.198	20.160	20.235	BV	125310	1792235	77.76%	4.319%
21	20.968	20.895	21.039	BB	84114	1595050	69.20%	3.844%
22	21.935	21.890	22.030	BB	54006	1290414	55.98%	3.110%
Sum of corrected areas:							41492503	

Aliphatic EPH 052425.M Fri Jun 13 03:27:38 2025

Continuing Calibration Report for SequenceID : FC061225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FC069191.D

Aliphatic C9-C12	5712750.000	60.000	3.305	6.606	95212.500	105717.491	9.937
Aliphatic C12-C16	3536714.000	40.000	6.607	10.010	88417.850	101985.435	13.303
Aliphatic C16-C21	4997704.000	60.000	10.011	13.380	83295.067	97865.081	14.888
Aliphatic C21-C28	7067909.000	80.000	13.381	17.048	88348.863	93803.915	5.815
Aliphatic C28-C40	11269620.000	120.000	17.049	22.036	93913.500	94439.035	0.556
Aliphatic EPH	32584697.000	360.000	3.305	22.036	90513.047	97587.136	7.249

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	12 Jun 2025 19:18
Client Sample ID:		Operator:	YP/AJ
Data file:	FC069191.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.305	6.606	5712750.000	60.000	ug/ml
Aliphatic C12-C16	6.607	10.010	3536714.000	40.000	ug/ml
Aliphatic C16-C21	10.011	13.380	4997704.000	60.000	ug/ml
Aliphatic C21-C28	13.381	17.048	7067909.000	80.000	ug/ml
Aliphatic C28-C40	17.049	22.036	11269620.000	120.000	ug/ml
Aliphatic EPH	3.305	22.036	32584697.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
 Data File : FC069191.D
 Signal(s) : FID1A.ch
 Acq On : 12 Jun 2025 19:18
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2025
 Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e
 Quant Time: Jun 13 02:17:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.678	2206078	17.886 ug/ml
Spiked Amount 50.000		Recovery =	35.77%
12) S 1-chlorooctadecane (S...	13.115	1535701	17.118 ug/ml
Spiked Amount 50.000		Recovery =	34.24%
Target Compounds			
1) T n-Nonane (C9)	3.403	1909368	17.992 ug/ml
2) T n-Decane (C10)	4.479	1927015	18.195 ug/ml
3) T A~Naphthalene (C11.7)	6.075	2109925	18.246 ug/ml
4) T n-Dodecane (C12)	6.507	1876367	17.849 ug/ml
5) T A~2-methylnaphthalene...	7.135	2050738	18.089 ug/ml
6) T n-Tetradecane (C14)	8.306	1795089	17.512 ug/ml
7) T n-Hexadecane (C16)	9.911	1741625	17.164 ug/ml
8) T n-Octadecane (C18)	11.356	1688963	16.899 ug/ml
10) T n-Eicosane (C20)	12.668	1666342	17.109 ug/ml
11) T n-Heneicosane (C21)	13.281	1642399	17.063 ug/ml
13) T n-Docosane (C22)	13.870	1665255	17.480 ug/ml
14) T n-Tetracosane (C24)	14.974	1741570	18.497 ug/mlm
15) T n-Hexacosane (C26)	15.998	1792264	19.305 ug/mlm
16) T n-Octacosane (C28)	16.949	1868820	20.105 ug/ml
17) T n-Tricontane (C30)	17.838	2037757	21.060 ug/ml
18) T n-Dotriacontane (C32)	18.674	2121568	21.409 ug/ml
19) T n-Tetratriacontane (C34)	19.458	1977692	20.520 ug/ml
20) T n-Hexatriacontane (C36)	20.201	1842449	19.409 ug/ml
21) T n-Octatriacontane (C38)	20.970	1723421	18.890 ug/mlm
22) T n-Tetracontane (C40)	21.935	1566733	17.756 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061225AL\
Data File : FC069191.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 19:18
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

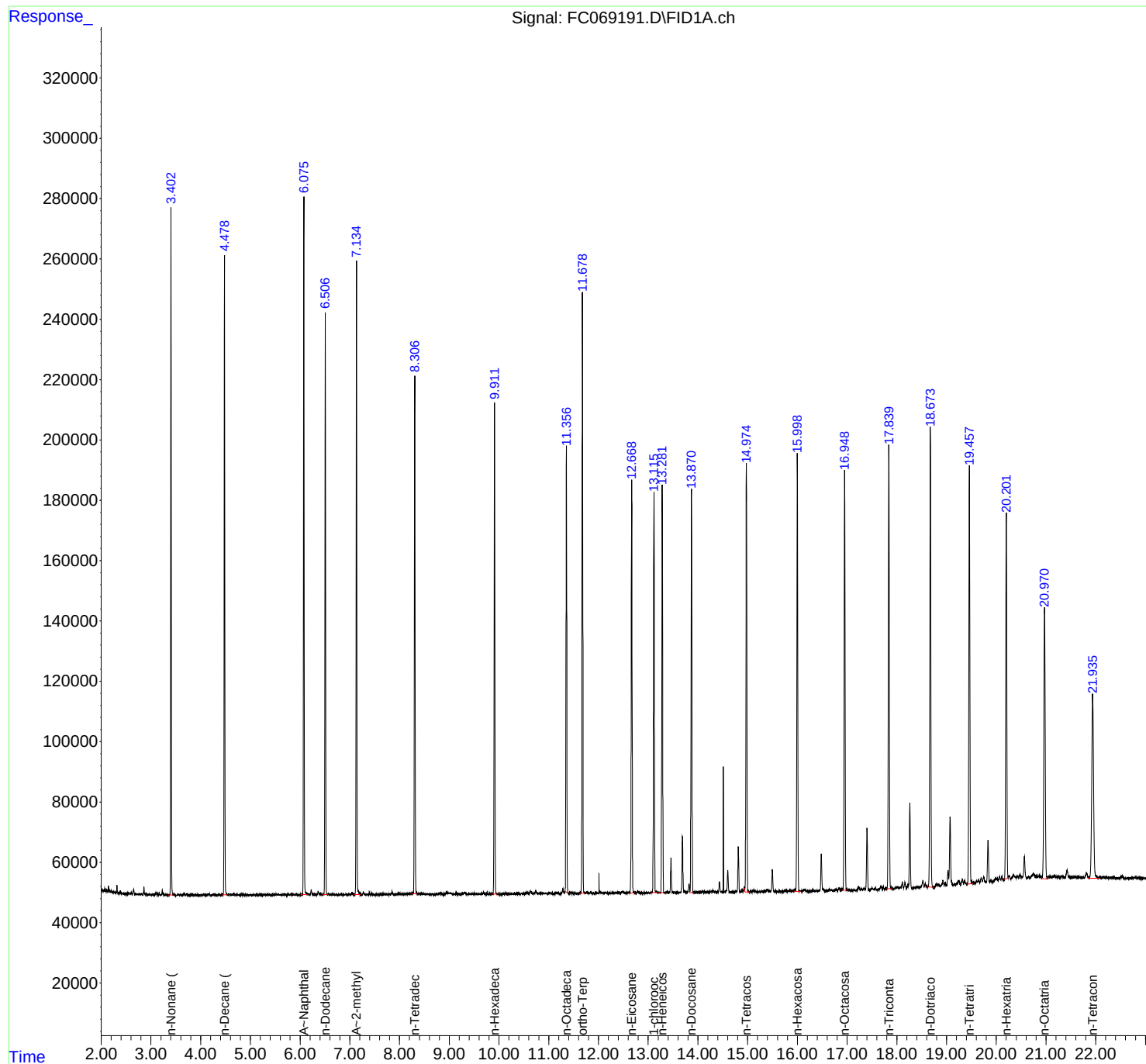
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/13/2025
Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e
Quant Time: Jun 13 02:17:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :
FID_C
LabSampleId :
20 PPM ALIPHATIC HC STD
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/13/2025
Supervised By :mohammad ahmed 06/16/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC06122
Data File : FC069191.D
Signal(s) : FID1A.ch
Acq On : 12 Jun 2025 19:18
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.403	3.347	3.440	BB	226964	1909368	86.55%	4.727%
2	4.479	4.428	4.537	BB	211726	1927015	87.35%	4.771%
3	6.075	6.023	6.147	BB	231606	2109925	95.64%	5.223%
4	6.507	6.455	6.548	BB	192854	1876367	85.05%	4.645%
5	7.135	7.080	7.217	BB	210276	2050738	92.96%	5.077%
6	8.306	8.242	8.360	BB	171192	1795089	81.37%	4.444%
7	9.911	9.848	9.962	BB	162624	1741625	78.95%	4.312%
8	11.356	11.330	11.393	BB	147707	1688963	76.56%	4.181%
9	11.678	11.620	11.732	BB	198395	2206078	100.00%	5.461%
10	12.668	12.632	12.727	BB	137291	1666342	75.53%	4.125%
11	13.115	13.053	13.178	BB	132581	1535701	69.61%	3.802%
12	13.281	13.218	13.323	BB	134965	1642399	74.45%	4.066%
13	13.870	13.838	13.913	VB	133418	1665255	75.48%	4.123%
14	14.974	14.903	15.027	BB	140984	1755346	79.57%	4.346%
15	15.998	15.835	16.038	BB	144825	1804768	81.81%	4.468%
16	16.949	16.910	16.987	BB	139054	1868820	84.71%	4.627%
17	17.838	17.800	17.892	BB	146837	2037757	92.37%	5.045%
18	18.674	18.597	18.742	BB	152446	2121568	96.17%	5.252%
19	19.458	19.420	19.535	BB	138457	1977692	89.65%	4.896%
20	20.201	20.160	20.237	BV	121215	1842449	83.52%	4.561%
21	20.970	20.828	21.038	BB	89300	1680860	76.19%	4.161%
22	21.937	21.890	22.042	BB	59088	1489203	67.50%	3.687%
Sum of corrected areas:							40393328	

Aliphatic EPH 052425.M Fri Jun 13 03:28:41 2025

Continuing Calibration Report for SequenceID : FD060925AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049414.D

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

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
 Data File : FD049414.D
 Signal(s) : FID2B.ch
 Acq On : 09 Jun 2025 12:17
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: Jun 10 02:34:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.732	2751221	16.550 ug/ml
Spiked Amount 50.000		Recovery =	33.10%
6) S 2-Fluorobiphenyl (SURR)	8.598	1845586	16.133 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	32.27%
11) S ortho-Terphenyl (SURR)	11.643	3271965	16.301 ug/ml
Spiked Amount 50.000		Recovery =	32.60%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.524	2913320	18.311 ug/ml
2) T Naphthalene (C11.7)	6.069	3153046	17.957 ug/ml
3) T 2-Methylnaphthalene (...)	7.123	3192811	17.872 ug/ml
5) T Acenaphthylene (C15.06)	8.402	3339010	17.237 ug/ml
7) T Acenaphthene (C15.5)	8.698	3323871	17.474 ug/ml
8) T Fluorene (C16.55)	9.479	3223795	16.488 ug/ml
9) T Phenanthrene (C19.36)	10.877	3223992	16.956 ug/ml
10) T Anthracene (C19.43)	10.951	2663597	15.236 ug/ml
12) T Fluoranthene (C21.85)	12.692	3196460	17.721 ug/ml
13) T Pyrene (C20.8)	12.989	3196466	17.909 ug/ml
14) T Benzo[a]anthracene (C...	14.860	2792607	18.374 ug/ml
15) T Chrysene (C27.41)	14.903	2880463	18.968 ug/ml
16) T benzo[b]fluoranthene ...	16.412	2970000	20.519 ug/ml
17) T Bnezo[k]fluoranthene ...	16.445	2781477	19.383 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.791	2890589	21.268 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.155	2646707	20.721 ug/ml
20) T Dibenz[a,h]anthracene...	18.194	2628351	19.524 ug/ml
21) T Benzo[g,h,i]perylene ...	18.412	2907178	21.569 ug/ml

(f)=RT Delta > 1/2 Window

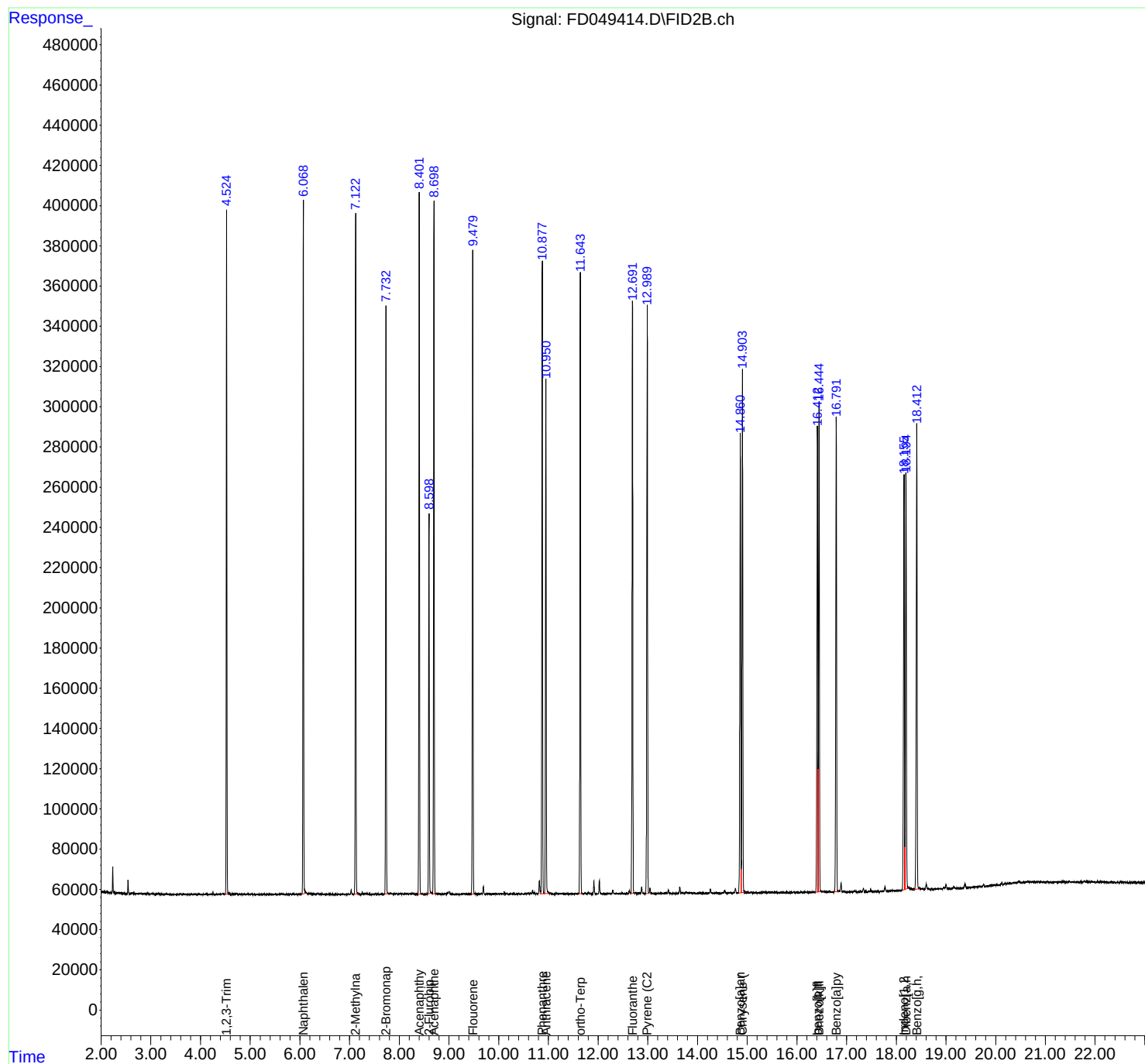
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049414.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 12:17
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Jun 10 02:34:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
 Data File : FD049414.D
 Signal(s) : FID2B.ch
 Acq On : 09 Jun 2025 12:17
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.524	4.497	4.558	BB	340359	2913320	87.25%	4.715%
2	6.069	6.035	6.128	BB	344301	3153046	94.43%	5.103%
3	7.123	7.083	7.173	BB	338791	3192811	95.62%	5.167%
4	7.732	7.702	7.777	BB	292421	2751221	82.40%	4.452%
5	8.402	8.368	8.442	BB	349457	3339010	100.00%	5.404%
6	8.598	8.565	8.645	BB	189011	1845586	55.27%	2.987%
7	8.698	8.667	8.742	BB	344172	3323871	99.55%	5.379%
8	9.479	9.447	9.510	BB	319188	3223795	96.55%	5.217%
9	10.877	10.837	10.917	VV	314096	3223992	96.56%	5.217%
10	10.951	10.917	11.012	VB	256322	2663597	79.77%	4.311%
11	11.643	11.610	11.685	BB	309263	3271965	97.99%	5.295%
12	12.692	12.657	12.737	BB	294755	3196460	95.73%	5.173%
13	12.989	12.957	13.020	BV	293243	3196466	95.73%	5.173%
14	14.860	14.823	14.881	BV	228604	2792607	83.64%	4.519%
15	14.903	14.881	14.950	VB	259980	2880463	86.27%	4.662%
16	16.412	16.373	16.427	BV	231563	2970000	88.95%	4.806%
17	16.445	16.427	16.488	VB	243571	2781477	83.30%	4.501%
18	16.791	16.747	16.838	BB	235225	2890589	86.57%	4.678%
19	18.155	18.112	18.172	BV	206703	2646707	79.27%	4.283%
20	18.194	18.172	18.253	VB	207189	2628351	78.72%	4.254%
21	18.412	18.363	18.468	BB	231265	2907178	87.07%	4.705%
Sum of corrected areas:							61792513	

Aromatic EPH 052425.M Tue Jun 10 02:57:20 2025

Continuing Calibration Report for SequenceID : FD060925AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049421.D

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

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
 Data File : FD049421.D
 Signal(s) : FID2B.ch
 Acq On : 09 Jun 2025 21:01
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: Jun 10 02:36:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.732	3233483	19.451 ug/ml
Spiked Amount 50.000		Recovery =	38.90%
6) S 2-Fluorobiphenyl (SURR)	8.598	2190940	19.152 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	38.30%
11) S ortho-Terphenyl (SURR)	11.644	3719599	18.531 ug/ml
Spiked Amount 50.000		Recovery =	37.06%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.524	3334078	20.955 ug/ml
2) T Naphthalene (C11.7)	6.069	3585975	20.423 ug/ml
3) T 2-Methylnaphthalene (...)	7.122	3537755	19.803 ug/ml
5) T Acenaphthylene (C15.06)	8.402	3802956	19.632 ug/ml
7) T Acenaphthene (C15.5)	8.698	3704715	19.476 ug/ml
8) T Fluorene (C16.55)	9.479	3732143	19.088 ug/ml
9) T Phenanthrene (C19.36)	10.878	3641183	19.150 ug/ml
10) T Anthracene (C19.43)	10.952	2913535	16.666 ug/ml
12) T Fluoranthene (C21.85)	12.692	3617862	20.057 ug/ml
13) T Pyrene (C20.8)	12.990	3615404	20.257 ug/ml
14) T Benzo[a]anthracene (C...	14.861	3142469	20.676 ug/ml
15) T Chrysene (C27.41)	14.905	3211333	21.147 ug/ml
16) T benzo[b]fluoranthene ...	16.413	3275575	22.630 ug/ml
17) T Bnezo[k]fluoranthene ...	16.446	3219500	22.436 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.792	3083807	22.689 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.156	2840139	22.235 ug/ml
20) T Dibenz[a,h]anthracene...	18.196	2920483	21.693 ug/ml
21) T Benzo[g,h,i]perylene ...	18.413	3105969	23.044 ug/ml

(f)=RT Delta > 1/2 Window

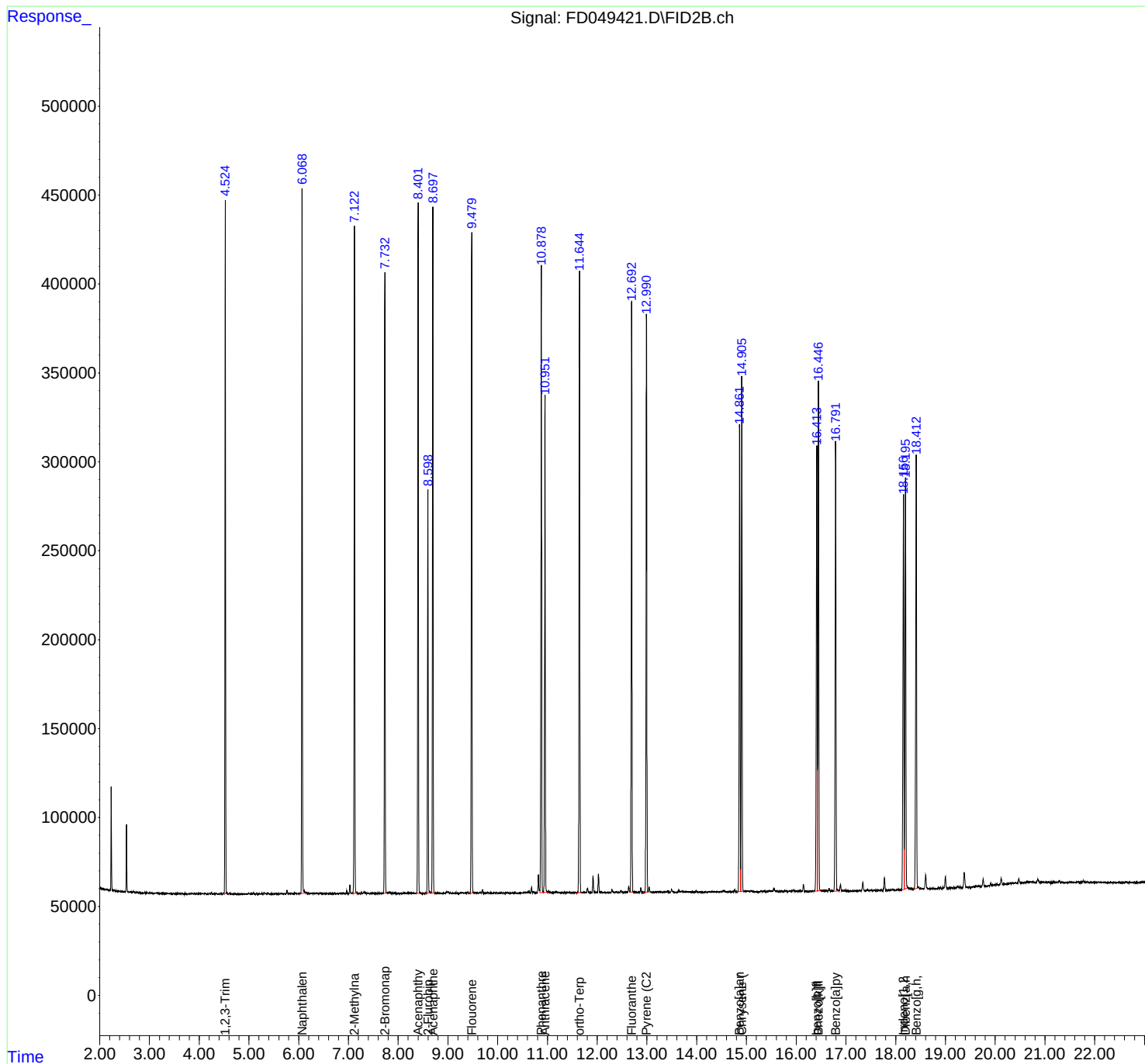
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049421.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 21:01
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Jun 10 02:36:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049421.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 21:01
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.524	4.475	4.569	BB	389566	3334078	87.67%	4.802%
2	6.069	6.024	6.134	BB	396187	3585975	94.29%	5.165%
3	7.122	7.059	7.170	BB	374831	3537755	93.03%	5.096%
4	7.732	7.679	7.779	BB	348225	3233483	85.03%	4.657%
5	8.402	8.350	8.449	BB	388774	3802956	100.00%	5.477%
6	8.598	8.542	8.644	BB	226629	2190940	57.61%	3.156%
7	8.698	8.649	8.730	BB	385983	3704715	97.42%	5.336%
8	9.479	9.427	9.514	BB	370177	3732143	98.14%	5.375%
9	10.878	10.849	10.915	VV	351268	3641183	95.75%	5.244%
10	10.952	10.915	11.014	PB	279767	2913535	76.61%	4.196%
11	11.644	11.584	11.689	BB	347380	3719599	97.81%	5.357%
12	12.692	12.657	12.730	BB	332725	3617862	95.13%	5.211%
13	12.990	12.932	13.024	BV	324647	3615404	95.07%	5.207%
14	14.861	14.804	14.882	BV	262179	3142469	82.63%	4.526%
15	14.905	14.882	14.945	VB	289877	3211333	84.44%	4.625%
16	16.413	16.342	16.429	BV	250418	3275575	86.13%	4.718%
17	16.446	16.429	16.495	VB	286861	3219500	84.66%	4.637%
18	16.792	16.749	16.850	BB	252097	3083807	81.09%	4.442%
19	18.156	18.119	18.172	BV	221289	2840139	74.68%	4.091%
20	18.196	18.172	18.249	VB	231091	2920483	76.80%	4.206%
21	18.413	18.365	18.447	BB	243304	3105969	81.67%	4.474%
Sum of corrected areas:							69428903	

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

Continuing Calibration Report for SequenceID : FD061125AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049430.D

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

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
 Data File : FD049430.D
 Signal(s) : FID2B.ch
 Acq On : 11 Jun 2025 12:12
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: Jun 12 04:58:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.731	2922969	17.583 ug/ml
Spiked Amount 50.000		Recovery =	35.17%
6) S 2-Fluorobiphenyl (SURR)	8.597	1969245	17.214 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	34.43%
11) S ortho-Terphenyl (SURR)	11.642	3364588	16.763 ug/ml
Spiked Amount 50.000		Recovery =	33.53%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.524	2999720	18.854 ug/ml
2) T Naphthalene (C11.7)	6.068	3205975	18.259 ug/ml
3) T 2-Methylnaphthalene (...)	7.122	3197828	17.900 ug/ml
5) T Acenaphthylene (C15.06)	8.401	3430570	17.710 ug/ml
7) T Acenaphthene (C15.5)	8.697	3342072	17.570 ug/ml
8) T Fluorene (C16.55)	9.478	3360666	17.188 ug/ml
9) T Phenanthrene (C19.36)	10.876	3243120	17.056 ug/ml
10) T Anthracene (C19.43)	10.950	2857534	16.346 ug/ml
12) T Fluoranthene (C21.85)	12.690	3239356	17.959 ug/ml
13) T Pyrene (C20.8)	12.988	3240678	18.157 ug/ml
14) T Benzo[a]anthracene (C...	14.859	2877554	18.933 ug/ml
15) T Chrysene (C27.41)	14.901	2921565	19.239 ug/ml
16) T benzo[b]fluoranthene ...	16.410	2957494	20.432 ug/ml
17) T Bnezo[k]fluoranthene ...	16.443	2915562	20.318 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.789	2793997	20.557 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.152	2626114	20.560 ug/ml
20) T Dibenz[a,h]anthracene...	18.193	2725206	20.243 ug/ml
21) T Benzo[g,h,i]perylene ...	18.409	2847058	21.123 ug/ml

(f)=RT Delta > 1/2 Window

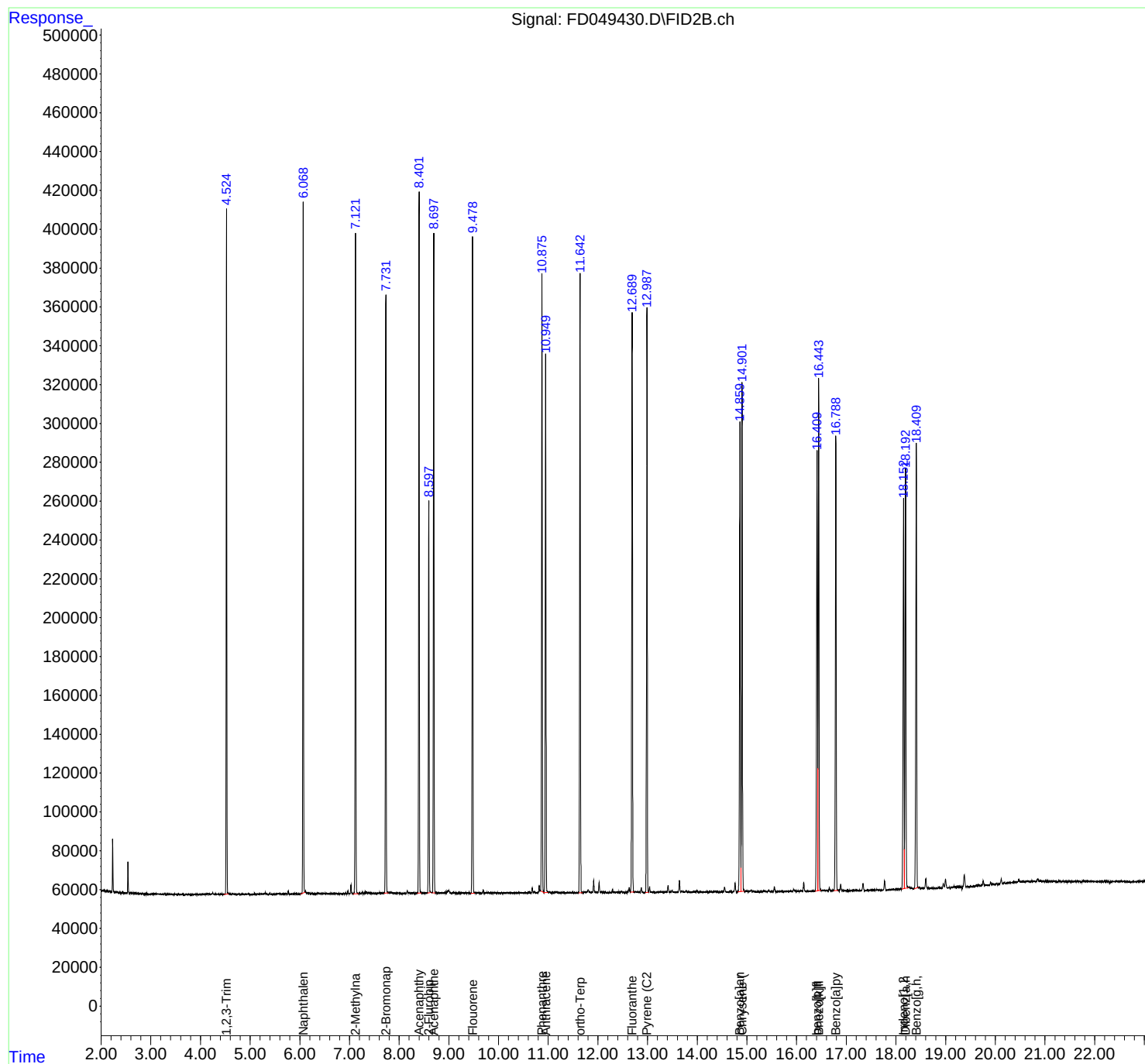
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
Data File : FD049430.D
Signal(s) : FID2B.ch
Acq On : 11 Jun 2025 12:12
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Jun 12 04:58:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
 Data File : FD049430.D
 Signal(s) : FID2B.ch
 Acq On : 11 Jun 2025 12:12
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.524	4.477	4.565	BB	352463	2999720	87.44%	4.759%
2	6.068	6.024	6.107	BB	356166	3205975	93.45%	5.086%
3	7.122	7.069	7.184	BB	339161	3197828	93.22%	5.073%
4	7.731	7.697	7.782	BB	308274	2922969	85.20%	4.637%
5	8.401	8.365	8.445	BB	359781	3430570	100.00%	5.442%
6	8.597	8.569	8.637	BB	201256	1969245	57.40%	3.124%
7	8.697	8.664	8.729	BB	339342	3342072	97.42%	5.302%
8	9.478	9.440	9.520	BB	338587	3360666	97.96%	5.331%
9	10.876	10.847	10.915	BV	318435	3243120	94.54%	5.145%
10	10.950	10.915	11.000	PB	277160	2857534	83.30%	4.533%
11	11.642	11.610	11.692	BB	318299	3364588	98.08%	5.337%
12	12.690	12.655	12.724	BB	298745	3239356	94.43%	5.139%
13	12.988	12.952	13.024	BV	301168	3240678	94.46%	5.141%
14	14.859	14.814	14.879	BV	240651	2877554	83.88%	4.565%
15	14.901	14.879	14.949	VB	262224	2921565	85.16%	4.635%
16	16.410	16.372	16.426	BV	226551	2957494	86.21%	4.692%
17	16.443	16.426	16.487	VB	263432	2915562	84.99%	4.625%
18	16.789	16.749	16.837	BB	234240	2793997	81.44%	4.432%
19	18.152	18.114	18.170	BV	201018	2626114	76.55%	4.166%
20	18.193	18.170	18.250	VB	215864	2725206	79.44%	4.323%
21	18.409	18.362	18.452	BB	228105	2847058	82.99%	4.516%
Sum of corrected areas:							63038871	

Aromatic EPH 052425.M Thu Jun 12 05:37:24 2025

Continuing Calibration Report for SequenceID : FD061125AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049443.D

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

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
 Data File : FD049443.D
 Signal(s) : FID2B.ch
 Acq On : 12 Jun 2025 00:09
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: Jun 12 05:02:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.732	3000500	18.050 ug/ml
Spiked Amount 50.000		Recovery =	36.10%
6) S 2-Fluorobiphenyl (SURR)	8.597	2063858	18.041 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	36.08%
11) S ortho-Terphenyl (SURR)	11.642	3453286	17.204 ug/ml
Spiked Amount 50.000		Recovery =	34.41%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.524	3079197	19.353 ug/ml
2) T Naphthalene (C11.7)	6.068	3313489	18.871 ug/ml
3) T 2-Methylnaphthalene (...)	7.122	3291414	18.424 ug/ml
5) T Acenaphthylene (C15.06)	8.401	3511983	18.130 ug/ml
7) T Acenaphthene (C15.5)	8.697	3421664	17.988 ug/ml
8) T Fluorene (C16.55)	9.478	3485792	17.828 ug/ml
9) T Phenanthrene (C19.36)	10.876	3437044	18.076 ug/ml
10) T Anthracene (C19.43)	10.950	3037990	17.378 ug/ml
12) T Fluoranthene (C21.85)	12.690	3405733	18.881 ug/ml
13) T Pyrene (C20.8)	12.989	3403739	19.071 ug/ml
14) T Benzo[a]anthracene (C...	14.860	3073678	20.223 ug/ml
15) T Chrysene (C27.41)	14.902	3099850	20.413 ug/ml
16) T benzo[b]fluoranthene ...	16.410	3085638	21.317 ug/ml
17) T Bnezo[k]fluoranthene ...	16.444	3039677	21.182 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.790	2916110	21.456 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.153	2783208	21.790 ug/ml
20) T Dibenz[a,h]anthracene...	18.193	2962587	22.006 ug/ml
21) T Benzo[g,h,i]perylene ...	18.410	2974835	22.071 ug/ml

(f)=RT Delta > 1/2 Window

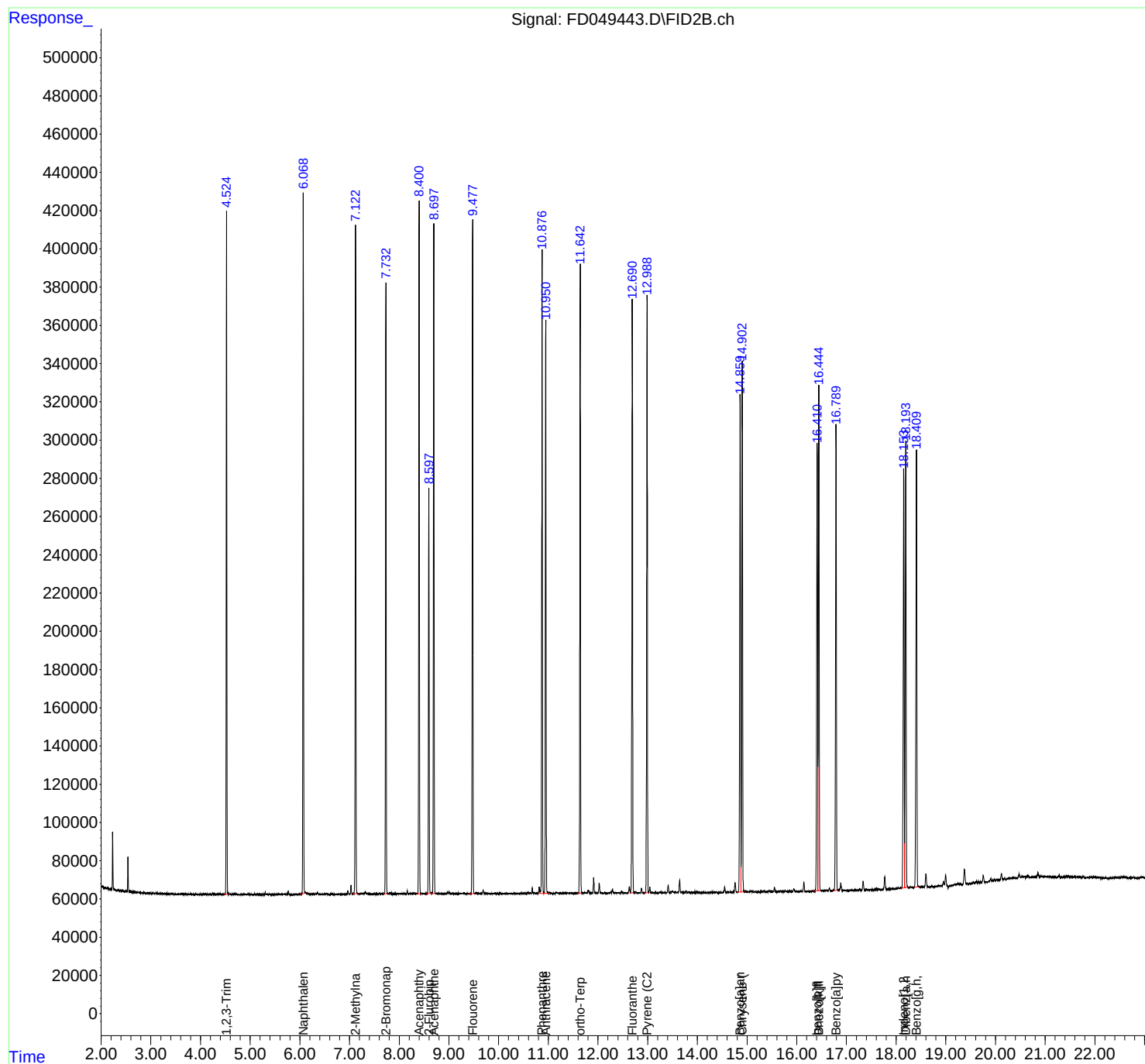
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
Data File : FD049443.D
Signal(s) : FID2B.ch
Acq On : 12 Jun 2025 00:09
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Jun 12 05:02:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
 Data File : FD049443.D
 Signal(s) : FID2B.ch
 Acq On : 12 Jun 2025 00:09
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.524	4.475	4.562	BB	357414	3079197	87.68%	4.677%
2	6.068	6.012	6.105	BB	365948	3313489	94.35%	5.033%
3	7.122	7.057	7.172	BB	349697	3291414	93.72%	4.999%
4	7.732	7.679	7.770	BB	319537	3000500	85.44%	4.557%
5	8.401	8.350	8.447	BB	362583	3511983	100.00%	5.334%
6	8.597	8.544	8.639	BB	211888	2063858	58.77%	3.135%
7	8.697	8.639	8.725	BB	350537	3421664	97.43%	5.197%
8	9.478	9.415	9.522	BB	352143	3485792	99.25%	5.294%
9	10.876	10.833	10.920	VV	337279	3437044	97.87%	5.220%
10	10.950	10.920	11.004	VB	299839	3037990	86.50%	4.614%
11	11.642	11.582	11.675	BB	328928	3453286	98.33%	5.245%
12	12.690	12.650	12.727	BB	310950	3405733	96.97%	5.173%
13	12.989	12.927	13.015	BV	312178	3403739	96.92%	5.170%
14	14.860	14.794	14.879	BV	259452	3073678	87.52%	4.668%
15	14.902	14.879	14.954	VB	277346	3099850	88.26%	4.708%
16	16.410	16.340	16.426	BV	234058	3085638	87.86%	4.686%
17	16.444	16.426	16.479	VB	264207	3039677	86.55%	4.617%
18	16.790	16.729	16.830	BB	243738	2916110	83.03%	4.429%
19	18.153	18.110	18.170	BV	219593	2783208	79.25%	4.227%
20	18.193	18.170	18.240	VB	234143	2962587	84.36%	4.500%
21	18.410	18.362	18.454	BB	228344	2974835	84.71%	4.518%
Sum of corrected areas:							65841271	

Aromatic EPH 052425.M Thu Jun 12 05:46:49 2025

Continuing Calibration Report for SequenceID : FD061225AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049458.D

Aromatic C10-C12	6695899.000	40.000	4.424	6.168	167397.475	167344.833	-0.031
Aromatic C12-C16	10638865.000	60.000	6.169	8.797	177314.417	187525.524	5.445
Aromatic C16-C21	13638806.000	80.000	8.798	13.088	170485.075	184740.440	7.716
Aromatic C21-C36	27741823.000	180.000	13.089	18.510	154121.239	145057.816	-6.248
Aromatic EPH	58715393.000	360.000	4.424	18.510	163098.314	163430.463	0.203

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	12 Jun 2025 12:02
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049458.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.424	6.168	6695899.000	40.000	ug/ml
Aromatic C12-C16	6.169	8.797	10638865.000	60.000	ug/ml
Aromatic C16-C21	8.798	13.088	13638806.000	80.000	ug/ml
Aromatic C21-C36	13.089	18.510	27741823.000	180.000	ug/ml
Aromatic EPH	4.424	18.510	58715393.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
 Data File : FD049458.D
 Signal(s) : FID2B.ch
 Acq On : 12 Jun 2025 12:02
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: Jun 13 04:13:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.732	3141347	18.897 ug/ml
Spiked Amount 50.000		Recovery =	37.79%
6) S 2-Fluorobiphenyl (SURR)	8.597	2152135	18.813 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	37.63%
11) S ortho-Terphenyl (SURR)	11.643	3564127	17.757 ug/ml
Spiked Amount 50.000		Recovery =	35.51%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.524	3230998	20.307 ug/ml
2) T Naphthalene (C11.7)	6.068	3464901	19.733 ug/ml
3) T 2-Methylnaphthalene (...)	7.122	3435859	19.233 ug/ml
5) T Acenaphthylene (C15.06)	8.400	3647858	18.831 ug/ml
7) T Acenaphthene (C15.5)	8.697	3555148	18.690 ug/ml
8) T Fluorene (C16.55)	9.477	3607075	18.449 ug/ml
9) T Phenanthrene (C19.36)	10.876	3493922	18.376 ug/ml
10) T Anthracene (C19.43)	10.951	3087231	17.659 ug/ml
12) T Fluoranthene (C21.85)	12.690	3449447	19.124 ug/ml
13) T Pyrene (C20.8)	12.988	3450578	19.333 ug/ml
14) T Benzo[a]anthracene (C...	14.860	3105706	20.434 ug/ml
15) T Chrysene (C27.41)	14.902	3135092	20.645 ug/ml
16) T benzo[b]fluoranthene ...	16.411	3123611	21.580 ug/ml
17) T Bnezo[k]fluoranthene ...	16.444	3082478	21.481 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.789	2951433	21.715 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.154	2822621	22.098 ug/ml
20) T Dibenz[a,h]anthracene...	18.194	3048668	22.646 ug/ml
21) T Benzo[g,h,i]perylene ...	18.410	3022767	22.427 ug/ml

(f)=RT Delta > 1/2 Window

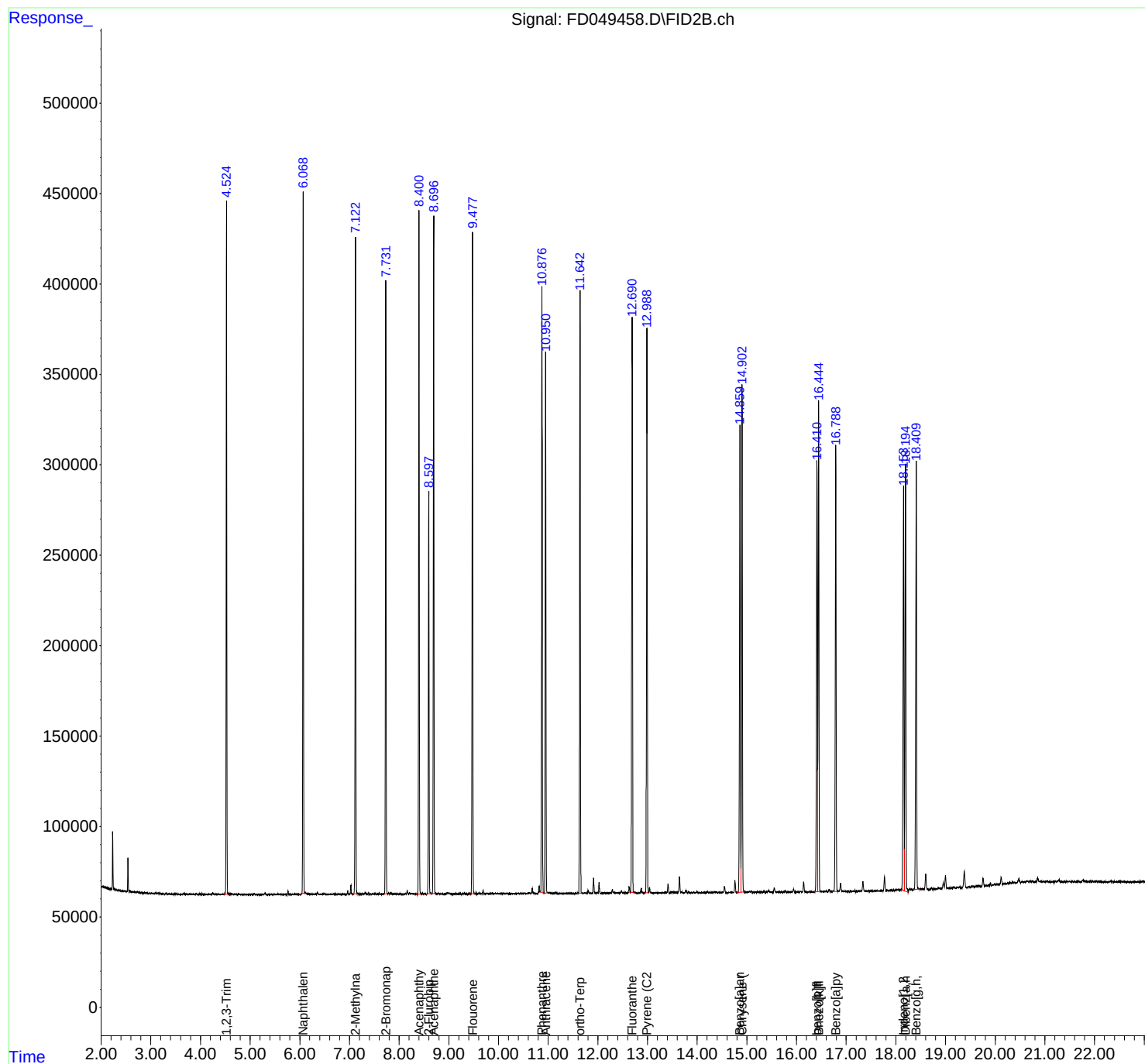
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
Data File : FD049458.D
Signal(s) : FID2B.ch
Acq On : 12 Jun 2025 12:02
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Jun 13 04:13:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
Data File : FD049458.D
Signal(s) : FID2B.ch
Acq On : 12 Jun 2025 12:02
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.524	4.474	4.567	BB	382605	3230998	88.57%	4.781%
2	6.068	5.987	6.105	BB	387826	3464901	94.98%	5.128%
3	7.122	7.060	7.157	BB	363272	3435859	94.19%	5.085%
4	7.732	7.684	7.772	BB	338617	3141347	86.11%	4.649%
5	8.401	8.340	8.450	BB	377828	3647858	100.00%	5.398%
6	8.597	8.545	8.647	BB	222456	2152135	59.00%	3.185%
7	8.697	8.649	8.737	BB	375318	3555148	97.46%	5.261%
8	9.477	9.425	9.525	BB	365082	3607075	98.88%	5.338%
9	10.876	10.842	10.915	BB	335645	3493922	95.78%	5.171%
10	10.951	10.922	10.989	BB	299059	3087231	84.63%	4.569%
11	11.643	11.580	11.675	BB	333848	3564127	97.70%	5.274%
12	12.690	12.650	12.734	BB	318147	3449447	94.56%	5.105%
13	12.988	12.930	13.022	BV	312567	3450578	94.59%	5.106%
14	14.860	14.800	14.879	BV	258304	3105706	85.14%	4.596%
15	14.902	14.879	14.955	VB	280766	3135092	85.94%	4.640%
16	16.411	16.352	16.426	BV	237947	3123611	85.63%	4.623%
17	16.444	16.426	16.482	VB	270930	3082478	84.50%	4.562%
18	16.789	16.729	16.834	BB	246837	2951433	80.91%	4.368%
19	18.154	18.110	18.170	BV	224087	2822621	77.38%	4.177%
20	18.194	18.170	18.245	VV	236058	3048668	83.57%	4.512%
21	18.410	18.342	18.472	BB	236329	3022767	82.86%	4.473%
Sum of corrected areas:							67573001	

Aromatic EPH 052425.M Fri Jun 13 05:20:27 2025

Continuing Calibration Report for SequenceID : FD061225AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049462.D

Aromatic C10-C12	6448171.000	40.000	4.424	6.168	161204.275	167344.833	3.669
Aromatic C12-C16	10337061.000	60.000	6.169	8.797	172284.350	187525.524	8.128
Aromatic C16-C21	13644805.000	80.000	8.798	13.088	170560.063	184740.440	7.676
Aromatic C21-C36	28370633.000	180.000	13.089	18.510	157614.628	145057.816	-8.656
Aromatic EPH	58800670.000	360.000	4.424	18.510	163335.194	163430.463	0.058

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	12 Jun 2025 15:44
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049462.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.424	6.168	6448171.000	40.000	ug/ml
Aromatic C12-C16	6.169	8.797	10337061.000	60.000	ug/ml
Aromatic C16-C21	8.798	13.088	13644805.000	80.000	ug/ml
Aromatic C21-C36	13.089	18.510	28370633.000	180.000	ug/ml
Aromatic EPH	4.424	18.510	58800670.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
 Data File : FD049462.D
 Signal(s) : FID2B.ch
 Acq On : 12 Jun 2025 15:44
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: Jun 13 04:14:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.732	3032496	18.242 ug/ml
Spiked Amount 50.000		Recovery =	36.48%
6) S 2-Fluorobiphenyl (SURR)	8.597	2106706	18.416 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	36.83%
11) S ortho-Terphenyl (SURR)	11.643	3522208	17.548 ug/ml
Spiked Amount 50.000		Recovery =	35.10%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.525	3096039	19.459 ug/ml
2) T Naphthalene (C11.7)	6.068	3352132	19.091 ug/ml
3) T 2-Methylnaphthalene (...)	7.122	3329545	18.638 ug/ml
5) T Acenaphthylene (C15.06)	8.401	3541575	18.283 ug/ml
7) T Acenaphthene (C15.5)	8.697	3465941	18.221 ug/ml
8) T Fluorene (C16.55)	9.478	3539635	18.104 ug/ml
9) T Phenanthrene (C19.36)	10.876	3482754	18.317 ug/ml
10) T Anthracene (C19.43)	10.950	3098644	17.725 ug/ml
12) T Fluoranthene (C21.85)	12.690	3516600	19.496 ug/ml
13) T Pyrene (C20.8)	12.988	3523772	19.743 ug/ml
14) T Benzo[a]anthracene (C...	14.860	3218405	21.175 ug/ml
15) T Chrysene (C27.41)	14.902	3246069	21.376 ug/ml
16) T benzo[b]fluoranthene ...	16.411	3210849	22.182 ug/ml
17) T Bnezo[k]fluoranthene ...	16.444	3160526	22.025 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.790	3014633	22.180 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.154	2856042	22.360 ug/ml
20) T Dibenz[a,h]anthracene...	18.195	3105029	23.064 ug/ml
21) T Benzo[g,h,i]perylene ...	18.411	3042480	22.573 ug/ml

(f)=RT Delta > 1/2 Window

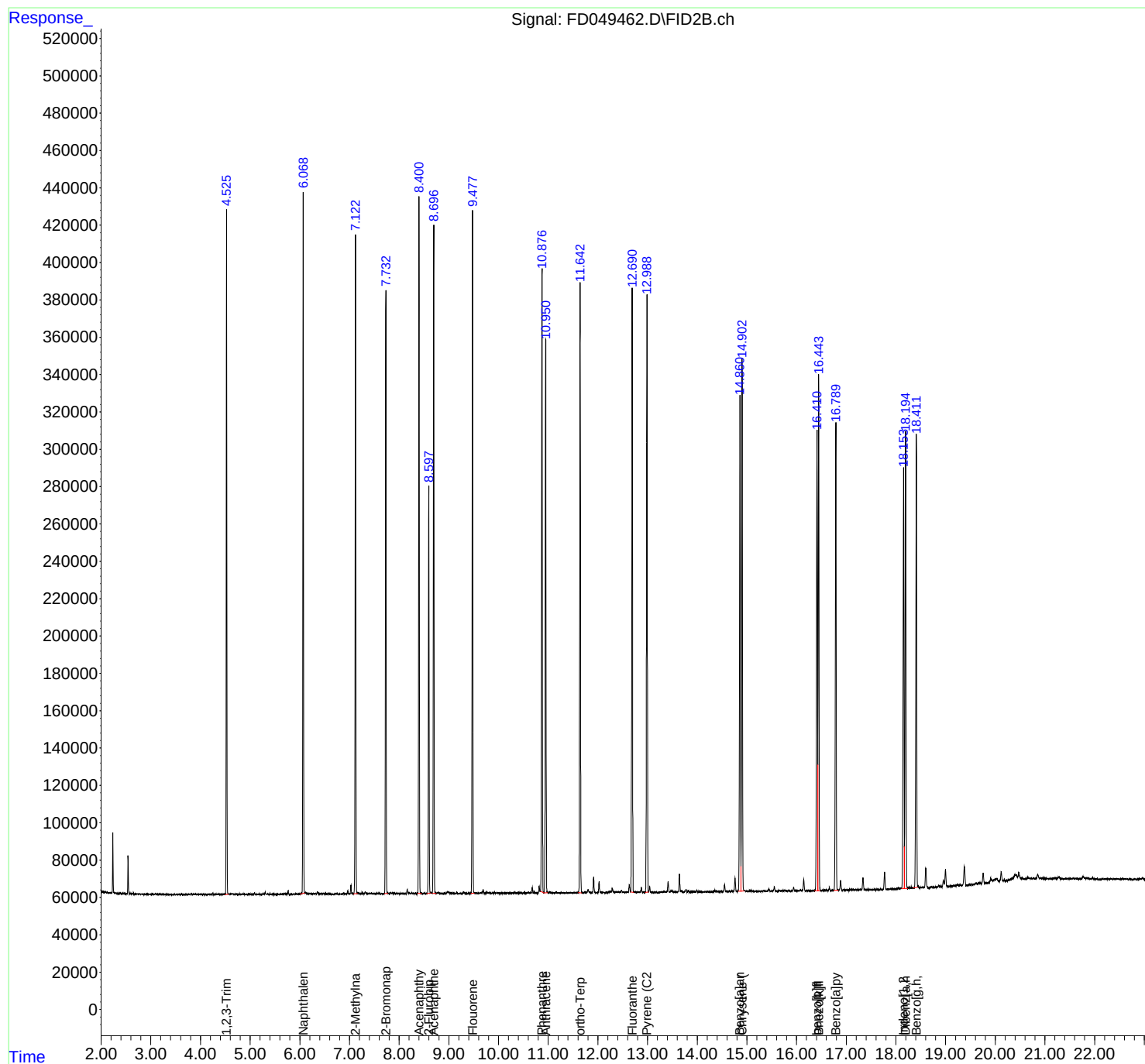
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
Data File : FD049462.D
Signal(s) : FID2B.ch
Acq On : 12 Jun 2025 15:44
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Jun 13 04:14:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
 Data File : FD049462.D
 Signal(s) : FID2B.ch
 Acq On : 12 Jun 2025 15:44
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.525	4.497	4.567	BB	365916	3096039	87.42%	4.589%
2	6.068	6.003	6.103	BB	375516	3352132	94.65%	4.969%
3	7.122	7.083	7.167	BB	352635	3329545	94.01%	4.935%
4	7.732	7.702	7.768	BB	321670	3032496	85.63%	4.495%
5	8.401	8.370	8.447	BB	374037	3541575	100.00%	5.250%
6	8.597	8.558	8.642	BB	217615	2106706	59.48%	3.123%
7	8.697	8.667	8.740	BB	357659	3465941	97.86%	5.138%
8	9.478	9.440	9.518	BB	364425	3539635	99.95%	5.247%
9	10.876	10.847	10.918	BB	333810	3482754	98.34%	5.163%
10	10.950	10.920	10.992	BB	296528	3098644	87.49%	4.593%
11	11.643	11.607	11.678	BB	326344	3522208	99.45%	5.221%
12	12.690	12.653	12.723	BB	323217	3516600	99.29%	5.213%
13	12.988	12.955	13.022	BV	320524	3523772	99.50%	5.223%
14	14.860	14.822	14.879	BV	265742	3218405	90.87%	4.771%
15	14.902	14.879	14.950	VB	285286	3246069	91.66%	4.812%
16	16.411	16.355	16.426	BV	246437	3210849	90.66%	4.759%
17	16.444	16.426	16.477	VB	276444	3160526	89.24%	4.685%
18	16.790	16.745	16.837	BB	250195	3014633	85.12%	4.469%
19	18.154	18.110	18.171	BV	225717	2856042	80.64%	4.234%
20	18.195	18.171	18.237	VB	244413	3105029	87.67%	4.603%
21	18.411	18.343	18.438	BB	242771	3042480	85.91%	4.510%
Sum of corrected areas:							67462079	

Aromatic EPH 052425.M Fri Jun 13 05:21:32 2025

Continuing Calibration Report for SequenceID : FD061325AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049481.D

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

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
 Data File : FD049481.D
 Signal(s) : FID2B.ch
 Acq On : 13 Jun 2025 07:46
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Jun 13 21:19:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.732	3128625	18.821 ug/ml
Spiked Amount 50.000		Recovery =	37.64%
6) S 2-Fluorobiphenyl (SURR)	8.597	2146964	18.768 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	37.54%
11) S ortho-Terphenyl (SURR)	11.641	3522208	17.548 ug/ml
Spiked Amount 50.000		Recovery =	35.10%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.524	3227741	20.287 ug/ml
2) T Naphthalene (C11.7)	6.068	3468050	19.751 ug/ml
3) T 2-Methylnaphthalene (...)	7.121	3438943	19.250 ug/ml
5) T Acenaphthylene (C15.06)	8.401	3613079	18.652 ug/ml
7) T Acenaphthene (C15.5)	8.696	3534636	18.582 ug/ml
8) T Flouorene (C16.55)	9.477	3588387	18.353 ug/ml
9) T Phenanthrene (C19.36)	10.876	3463379	18.215 ug/ml
10) T Anthracene (C19.43)	10.950	3059298	17.500 ug/ml
12) T Fluoranthene (C21.85)	12.689	3405005	18.877 ug/ml
13) T Pyrene (C20.8)	12.986	3398730	19.043 ug/ml
14) T Benzo[a]anthracene (C...	14.858	3046605	20.045 ug/ml
15) T Chrysene (C27.41)	14.901	3071588	20.227 ug/ml
16) T benzo[b]fluoranthene ...	16.409	3055603	21.110 ug/ml
17) T Bnezo[k]fluoranthene ...	16.442	3008650	20.966 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.788	2881018	21.197 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.152	2754237	21.563 ug/ml
20) T Dibenz[a,h]anthracene...	18.192	3023288	22.457 ug/ml
21) T Benzo[g,h,i]perylene ...	18.408	2937540	21.794 ug/ml

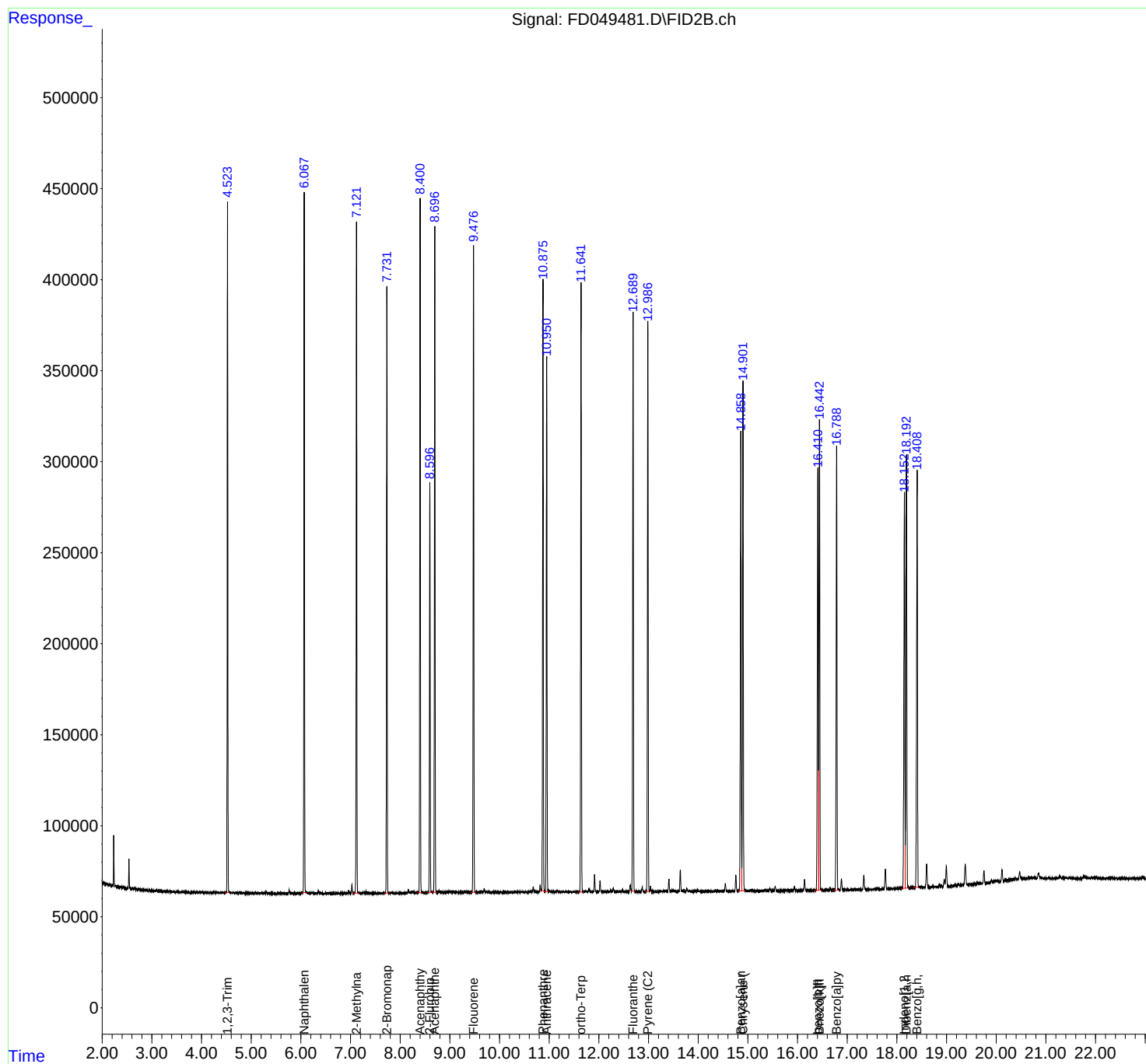
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
Data File : FD049481.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 07:46
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jun 13 21:19:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
Data File : FD049481.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 07:46
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.524	4.474	4.557	BB	379177	3227741	89.33%	4.834%
2	6.068	6.022	6.105	BV	385844	3468050	95.99%	5.194%
3	7.121	7.057	7.167	BB	368140	3438943	95.18%	5.150%
4	7.732	7.685	7.775	BB	333128	3128625	86.59%	4.685%
5	8.401	8.352	8.444	BB	380283	3613079	100.00%	5.411%
6	8.597	8.550	8.626	BB	225014	2146964	59.42%	3.215%
7	8.696	8.642	8.739	BB	366252	3534636	97.83%	5.293%
8	9.477	9.419	9.525	BB	354765	3588387	99.32%	5.374%
9	10.876	10.842	10.917	BV	336403	3463379	95.86%	5.187%
10	10.950	10.917	10.985	PB	293855	3059298	84.67%	4.582%
11	11.641	11.580	11.685	BB	333776	3522208	97.48%	5.275%
12	12.689	12.650	12.730	BB	318374	3405005	94.24%	5.099%
13	12.986	12.932	13.015	BV	313040	3398730	94.07%	5.090%
14	14.858	14.800	14.878	BV	252778	3046605	84.32%	4.563%
15	14.901	14.878	14.945	VB	281274	3071588	85.01%	4.600%
16	16.409	16.349	16.424	BV	233146	3055603	84.57%	4.576%
17	16.442	16.424	16.480	VB	258537	3008650	83.27%	4.506%
18	16.788	16.729	16.835	BB	244191	2881018	79.74%	4.315%
19	18.152	18.110	18.169	BV	217163	2754237	76.23%	4.125%
20	18.192	18.169	18.245	VB	237059	3023288	83.68%	4.528%
21	18.408	18.339	18.435	BB	229241	2937540	81.30%	4.399%
Sum of corrected areas:						66773572		

Aromatic EPH 052425.M Fri Jun 13 22:36:44 2025

Continuing Calibration Report for SequenceID : FD061325AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FD049489.D

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

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
 Data File : FD049489.D
 Signal(s) : FID2B.ch
 Acq On : 13 Jun 2025 13:06
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Jun 13 21:21:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.731	3131407	18.837 ug/ml
Spiked Amount 50.000		Recovery =	37.67%
6) S 2-Fluorobiphenyl (SURR)	8.597	2156627	18.852 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	37.70%
11) S ortho-Terphenyl (SURR)	11.641	3565530	17.764 ug/ml
Spiked Amount 50.000		Recovery =	35.53%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.523	3204234	20.139 ug/ml
2) T Naphthalene (C11.7)	6.068	3462844	19.722 ug/ml
3) T 2-Methylnaphthalene (...)	7.121	3432692	19.215 ug/ml
5) T Acenaphthylene (C15.06)	8.400	3626398	18.721 ug/ml
7) T Acenaphthene (C15.5)	8.696	3544491	18.634 ug/ml
8) T Fluorene (C16.55)	9.477	3607525	18.451 ug/ml
9) T Phenanthrene (C19.36)	10.876	3500915	18.412 ug/ml
10) T Anthracene (C19.43)	10.950	3086776	17.657 ug/ml
12) T Fluoranthene (C21.85)	12.689	3448276	19.117 ug/ml
13) T Pyrene (C20.8)	12.987	3439242	19.269 ug/ml
14) T Benzo[a]anthracene (C...	14.859	3097138	20.378 ug/ml
15) T Chrysene (C27.41)	14.902	3123376	20.568 ug/ml
16) T benzo[b]fluoranthene ...	16.410	3104218	21.446 ug/ml
17) T Bnezo[k]fluoranthene ...	16.443	3059984	21.324 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.789	2925570	21.525 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.154	2805123	21.961 ug/ml
20) T Dibenz[a,h]anthracene...	18.194	3084606	22.913 ug/ml
21) T Benzo[g,h,i]perylene ...	18.410	2991615	22.195 ug/ml

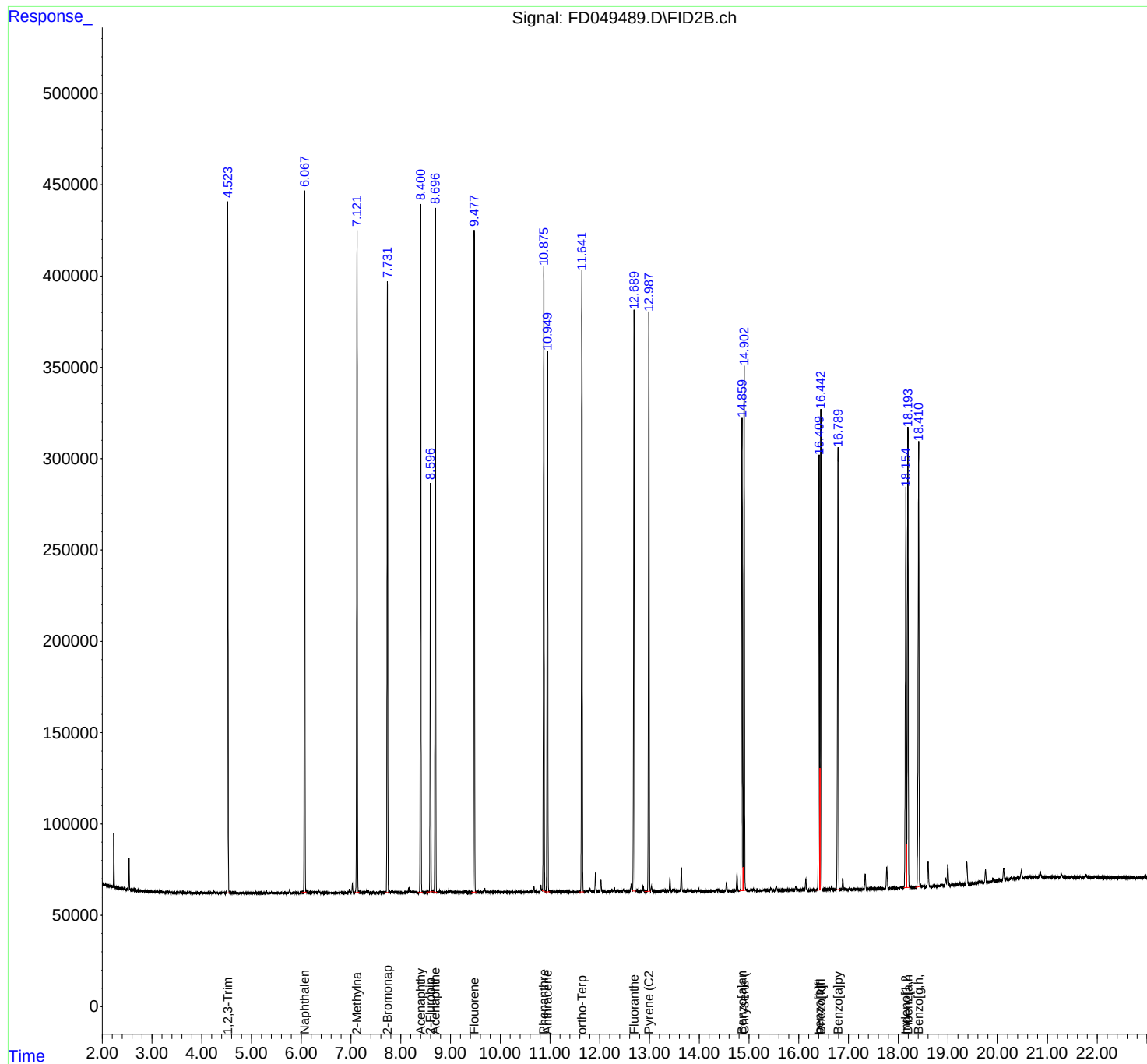
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
Data File : FD049489.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 13:06
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jun 13 21:21:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061325AR\
Data File : FD049489.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 13:06
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.523	4.477	4.560	BB	377457	3204234	88.36%	4.754%
2	6.068	6.012	6.102	BB	383234	3462844	95.49%	5.138%
3	7.121	7.060	7.162	BB	362887	3432692	94.66%	5.093%
4	7.731	7.672	7.764	BB	334079	3131407	86.35%	4.646%
5	8.400	8.349	8.442	BB	376777	3626398	100.00%	5.381%
6	8.597	8.517	8.635	BB	223735	2156627	59.47%	3.200%
7	8.696	8.647	8.730	BB	376470	3544491	97.74%	5.259%
8	9.477	9.420	9.520	BB	362340	3607525	99.48%	5.353%
9	10.876	10.845	10.914	BV	342341	3500915	96.54%	5.194%
10	10.950	10.914	10.995	PB	296925	3086776	85.12%	4.580%
11	11.641	11.582	11.679	BB	339850	3565530	98.32%	5.290%
12	12.689	12.650	12.727	BB	317946	3448276	95.09%	5.116%
13	12.987	12.900	13.019	PV	316962	3439242	94.84%	5.103%
14	14.859	14.800	14.879	BV	258980	3097138	85.41%	4.595%
15	14.902	14.879	14.945	VB	286993	3123376	86.13%	4.634%
16	16.410	16.349	16.425	BV	237721	3104218	85.60%	4.606%
17	16.443	16.425	16.485	VB	262244	3059984	84.38%	4.540%
18	16.789	16.732	16.832	BB	242261	2925570	80.67%	4.341%
19	18.154	18.110	18.170	BV	218948	2805123	77.35%	4.162%
20	18.194	18.170	18.232	VB	252133	3084606	85.06%	4.577%
21	18.410	18.347	18.439	BV	244084	2991615	82.50%	4.439%
Sum of corrected areas:							67398586	

Aromatic EPH 052425.M Fri Jun 13 22:37:46 2025



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168324BL	SDG No.:	Q2177
Lab Sample ID:	PB168324BL	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
06/06/25 09:10	06/09/25 16:17	PB168324

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.28	U	1	8.28	30.0	ug/l	FC069134.D
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	1	13.5	20.0	ug/l	FC069134.D
Aliphatic C16-C21	Aliphatic C16-C21	8.34	U	1	8.34	30.0	ug/l	FC069134.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC069134.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC069134.D
Aromatic C10-C12	Aromatic C10-C12	2.07	U	1	2.07	20.0	ug/l	FD049415.D
Aromatic C12-C16	Aromatic C12-C16	4.26	U	1	4.26	30.0	ug/l	FD049415.D
Aromatic C16-C21	Aromatic C16-C21	8.27	U	1	8.27	50.0	ug/l	FD049415.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FD049415.D
Total AliphaticEPH	Total AliphaticEPH	66.4	U		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	38.4	U		38.4	180	ug/l	
Total EPH	Total EPH	105	U		105	360	ug/l	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168324BL	SDG No.:	Q2177
Lab Sample ID:	PB168324BL	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:		Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069134.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.28	U	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	8.34	U	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.9		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168324BL	Acq On:	09 Jun 2025 16:17
Client Sample ID:	PB168324BL	Operator:	YP/AJ
Data file:	FC069134.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.299	6.602	0	0	300	ug/ml
Aliphatic C12-C16	6.603	10.008	0	0	200	ug/ml
Aliphatic C16-C21	10.009	13.379	0	0	300	ug/ml
Aliphatic C21-C28	13.380	17.047	0	0	400	ug/ml
Aliphatic C28-C40	17.048	22.037	0	0	600	ug/ml
Aliphatic EPH	3.299	22.037	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	2680219	29.88		ug/ml
Aliphatic C9-C28	3.299	17.047	0	0	1200	ug/ml

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

Instrument :
FID_C
ClientSampleId :
PB168324BL

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

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

Compound	R.T.	Response	Conc Units

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

Target Compounds

(f)=RT Delta > 1/2 Window

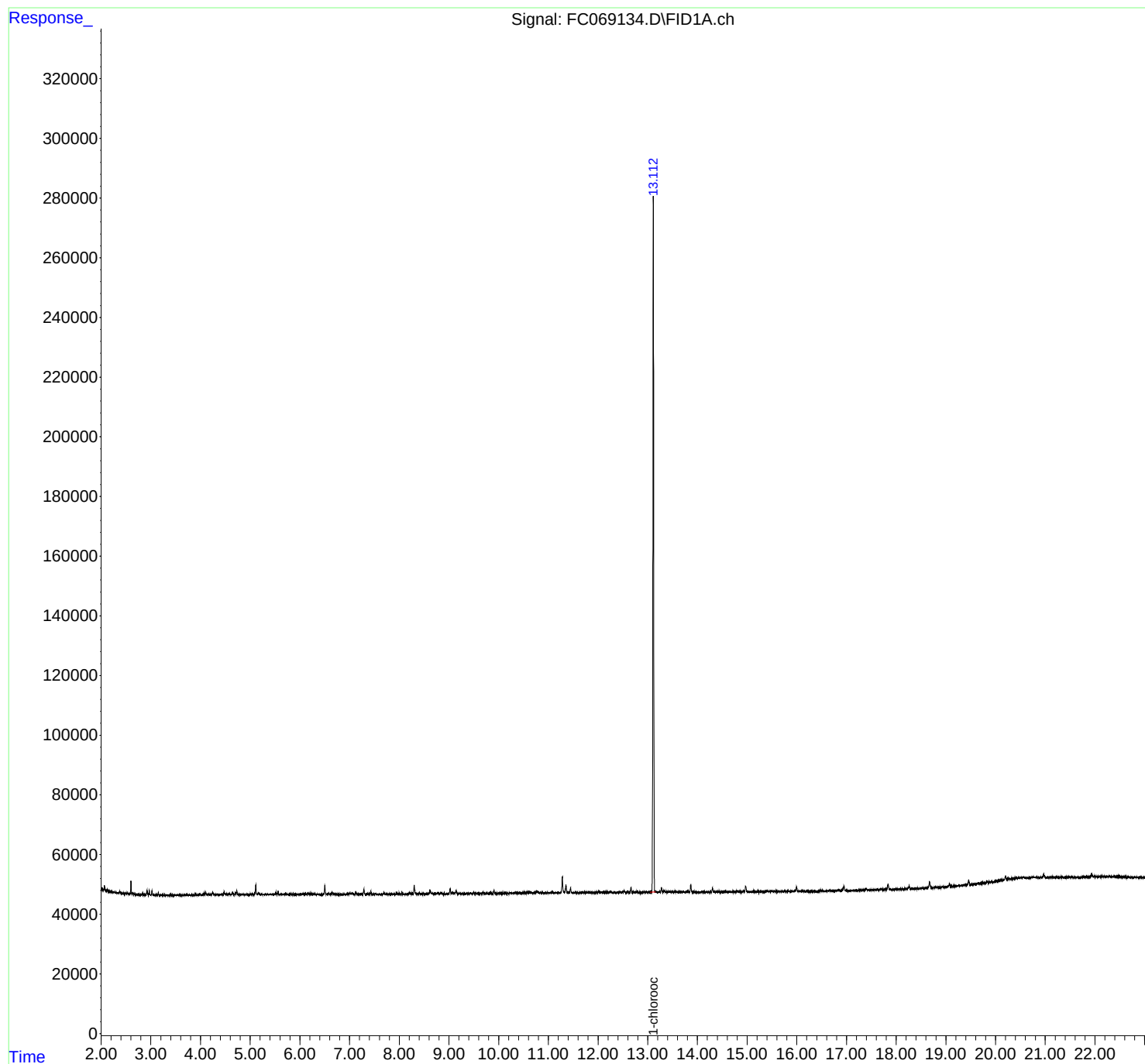
(m)=manual int.

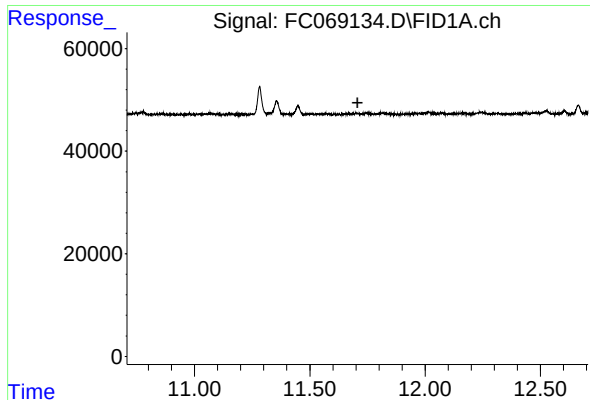
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC060925AL\
Data File : FC069134.D
Signal(s) : FID1A.ch
Acq On : 09 Jun 2025 16:17
Operator : YP/AJ
Sample : PB168324BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168324BL

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

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

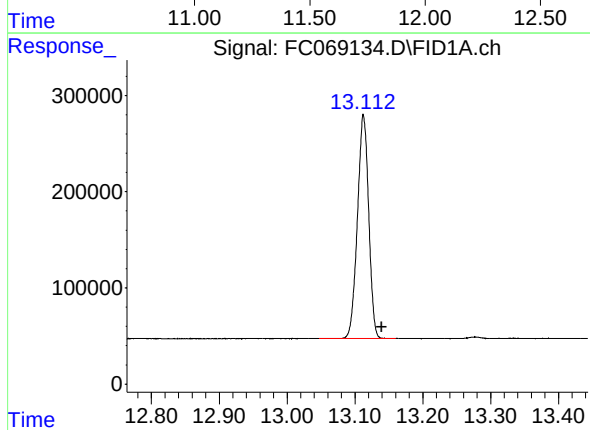




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
PB168324BL



#12 1-chlorooctadecane (SURR)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	13.113	13.047	13.160	BB	233105	2680219	100.00%	100.000%
Sum of corrected areas:							2680219	

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168324BL	SDG No.:	Q2177
Lab Sample ID:	PB168324BL	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049415.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	2.07	U	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	4.26	U	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	8.27	U	8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	31.2		40 - 140	62%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	30.3		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.2		40 - 140	58%	SPK: 50

Quantitation Report For Aromatic EPH Range.

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

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

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

Instrument :
 FID_D
 ClientSampleId :
 PB168324BL

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

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.733	5192860	31.238 ug/ml
Spiked Amount 50.000		Recovery =	62.48%
6) S 2-Fluorobiphenyl (SURR)	8.598	3467147	30.308 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	60.62%
11) S ortho-Terphenyl (SURR)	11.645	5861022	29.200 ug/ml
Spiked Amount 50.000		Recovery =	58.40%

Target Compounds

(f)=RT Delta > 1/2 Window

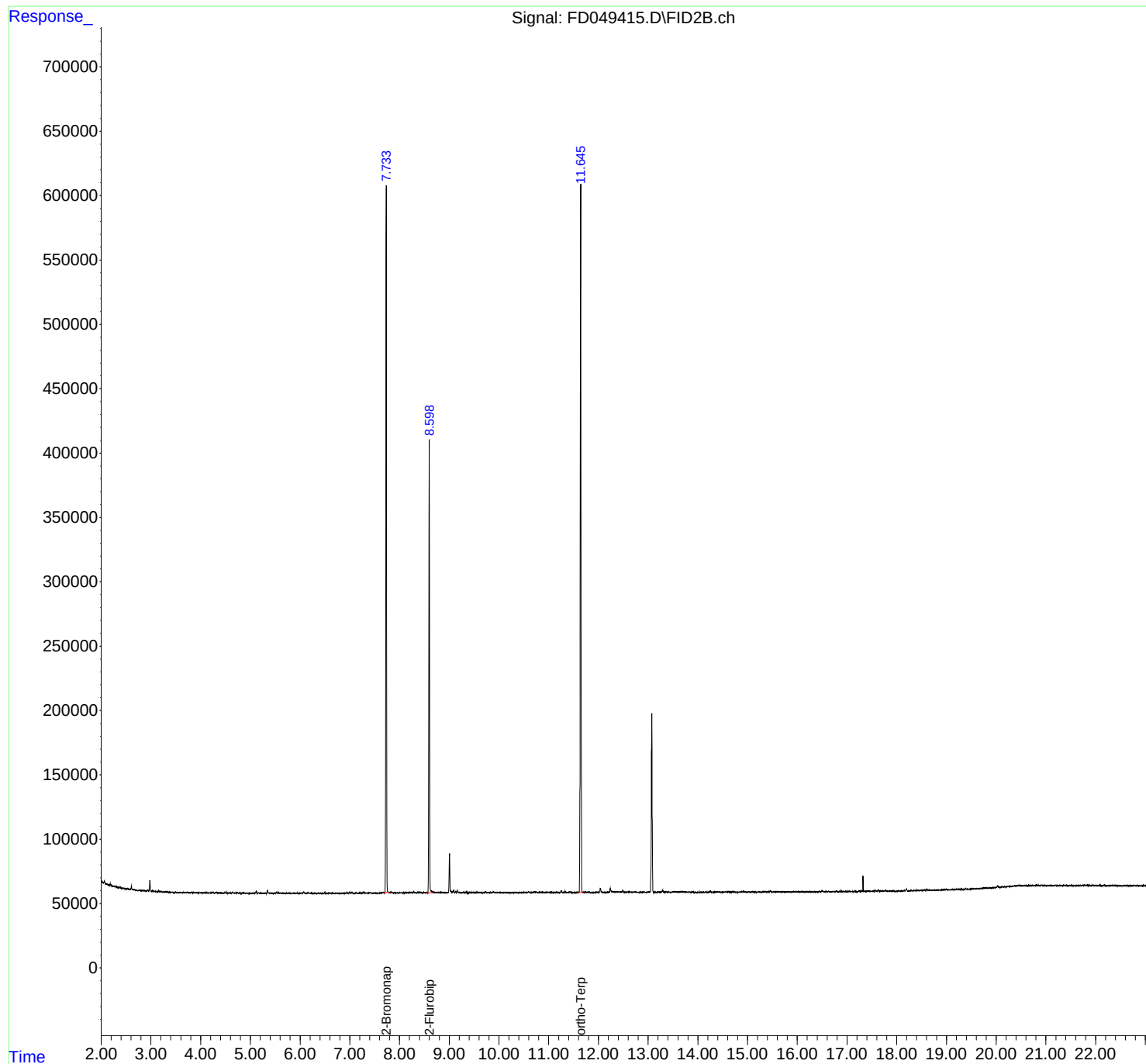
(m)=manual int.

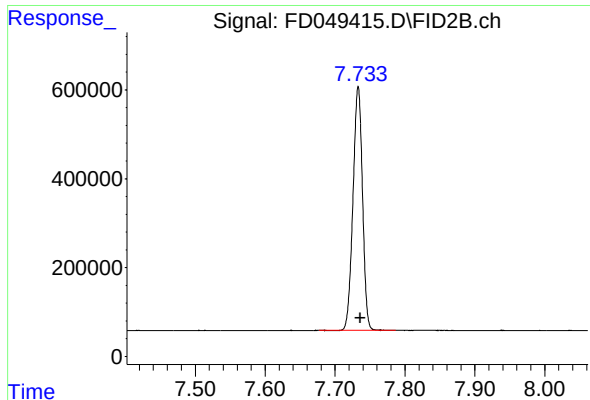
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060925AR\
Data File : FD049415.D
Signal(s) : FID2B.ch
Acq On : 09 Jun 2025 16:17
Operator : YP/AJ
Sample : PB168324BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168324BL

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

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

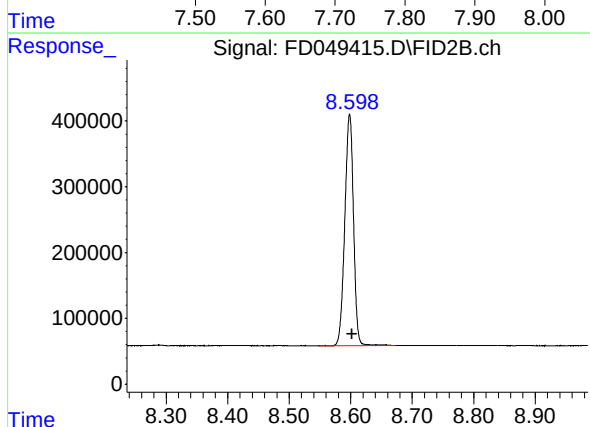




#4 2-Bromonaphthalene (SURR)

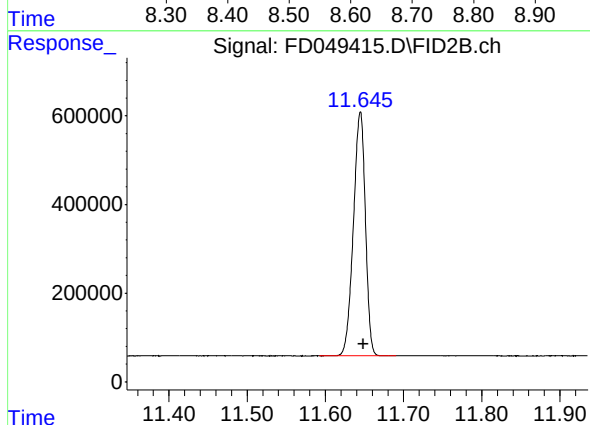
R.T.: 7.733 min
Delta R.T.: -0.003 min
Response: 5192860
Conc: 31.24 ug/ml

Instrument :
FID_D
ClientSampleId :
PB168324BL



#6 2-Fluorobiphenyl (SURR)

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



#11 ortho-Terphenyl (SURR)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	7.733	7.677	7.787	BB	549290	5192860	88.60%	35.761%
2	8.598	8.549	8.674	BB	351672	3467147	59.16%	23.877%
3	11.645	11.592	11.690	BB	551945	5861022	100.00%	40.362%
Sum of corrected areas:							14521029	

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168408BL	SDG No.:	Q2177
Lab Sample ID:	PB168408BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:45	06/11/25 16:33	PB168408

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	1	0.14	1.00	mg/kg	FC069157.D
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	1	0.11	0.67	mg/kg	FC069157.D
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	1	0.13	1.00	mg/kg	FC069157.D
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	1	0.53	1.33	mg/kg	FC069157.D
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FC069157.D
Aromatic C10-C12	Aromatic C10-C12	0.12	U	1	0.12	0.67	mg/kg	FD049432.D
Aromatic C12-C16	Aromatic C12-C16	0.23	U	1	0.23	1.00	mg/kg	FD049432.D
Aromatic C16-C21	Aromatic C16-C21	0.40	U	1	0.40	1.67	mg/kg	FD049432.D
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1	1.19	2.67	mg/kg	FD049432.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	1.94	U		1.94	6.01	mg/kg	
Total EPH	Total EPH	4.03	U		4.03	12.0	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168408BL	SDG No.:	Q2177
Lab Sample ID:	PB168408BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069157.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.1		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168408BL	Acq On:	11 Jun 2025 16:33
Client Sample ID:	PB168408BL	Operator:	YP/AJ
Data file:	FC069157.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.605	0	0	300	ug/ml
Aliphatic C12-C16	6.606	10.010	0	0	200	ug/ml
Aliphatic C16-C21	10.011	13.380	0	0	300	ug/ml
Aliphatic C21-C28	13.381	17.048	0	0	400	ug/ml
Aliphatic C28-C40	17.049	22.033	0	0	600	ug/ml
Aliphatic EPH	3.303	22.033	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	2699214	30.09		ug/ml
Aliphatic C9-C28	3.303	17.048	0	0	1200	ug/ml

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

Instrument :
FID_C
ClientSampleId :
PB168408BL

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

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

Compound	R.T.	Response	Conc Units

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

Target Compounds

(f)=RT Delta > 1/2 Window

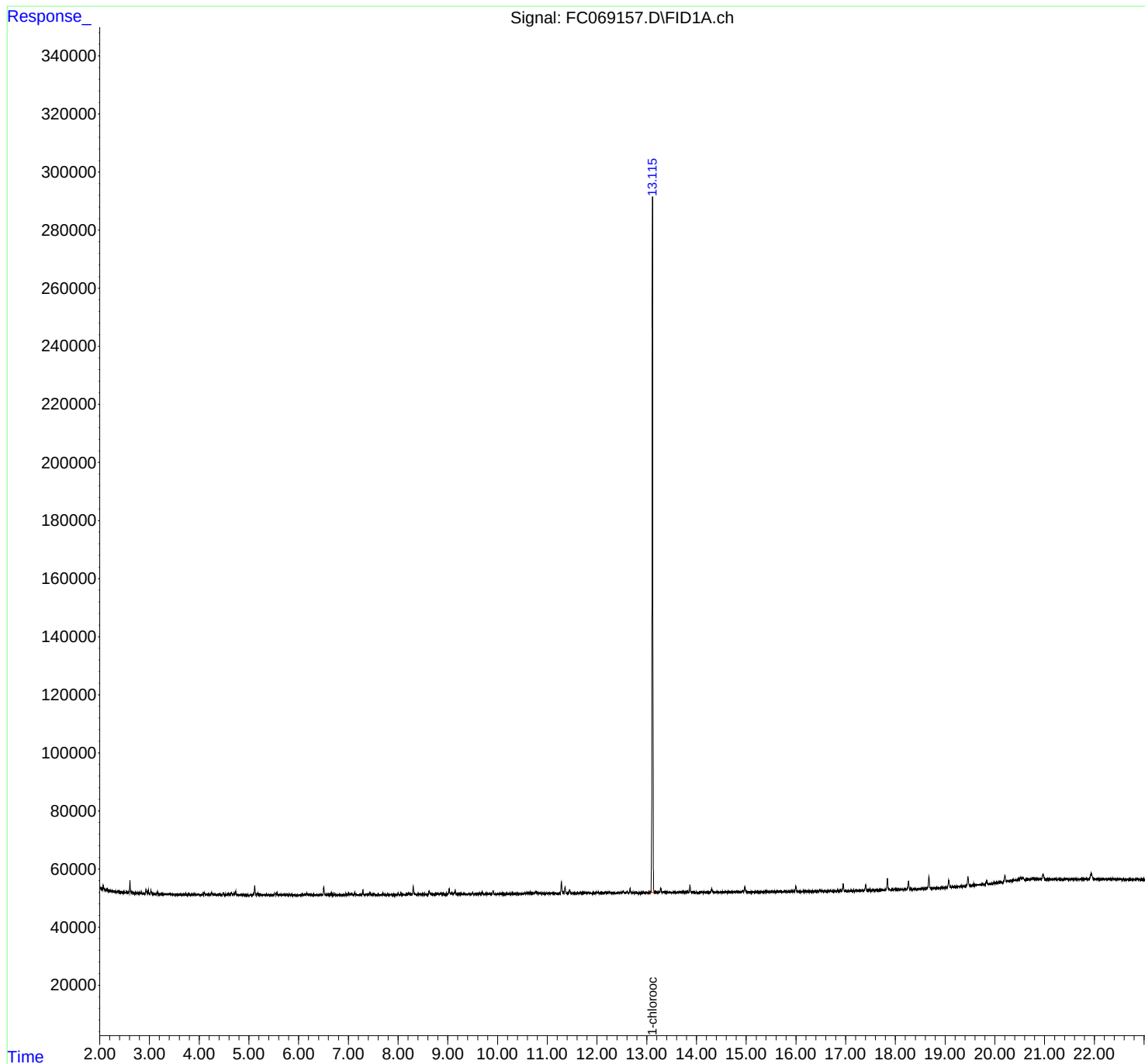
(m)=manual int.

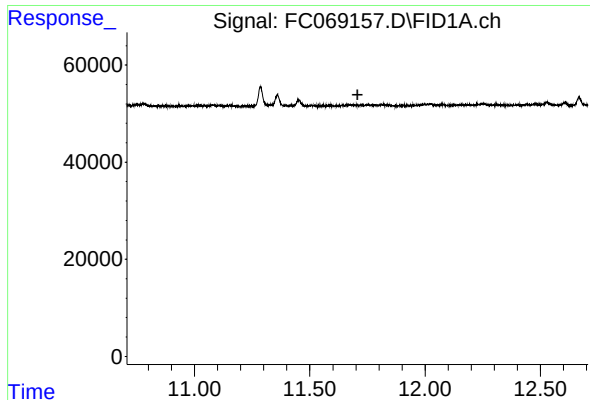
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061125AL\
Data File : FC069157.D
Signal(s) : FID1A.ch
Acq On : 11 Jun 2025 16:33
Operator : YP/AJ
Sample : PB168408BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB168408BL

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

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





#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min

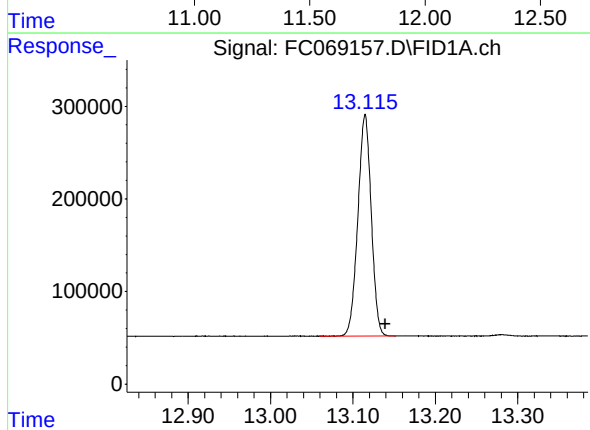
Exp R.T.: 11.707 min

Response: 0

Conc: N.D.

Instrument : FID_C

ClientSampleId : PB168408BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.115 min

Delta R.T.: -0.025 min

Response: 2699214

Conc: 30.09 ug/ml

rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	13.115	13.059	13.152	BB	240199	2699214	100.00%	100.000%
Sum of corrected areas:							2699214	

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168408BL	SDG No.:	Q2177
Lab Sample ID:	PB168408BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049432.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.12	U	0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.23	U	0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.40	U	0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1.19	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	33.6		40 - 140	67%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.4		40 - 140	63%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168408BL	Acq On:	11 Jun 2025 16:33
Client Sample ID:	PB168408BL	Operator:	YP/AJ
Data file:	FD049432.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.424	6.168	0	0	200	ug/ml
Aromatic C12-C16	6.169	8.797	0	0	300	ug/ml
Aromatic C16-C21	8.798	13.088	0	0	500	ug/ml
Aromatic C21-C36	13.089	18.509	0	0	800	ug/ml
Aromatic EPH	4.424	18.509	0	0		ug/ml
2-Bromonaphthalene (SURR)	7.733	7.733	5580932	33.57		ug/ml
2-Fluorobiphenyl (SURR)	8.598	8.598	3722980	32.54		ug/ml
ortho-Terphenyl (SURR)	11.645	11.645	6306403	31.42		ug/ml

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

Instrument :
 FID_D
 ClientSampleId :
 PB168408BL

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

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.733	5580932	33.573 ug/ml
Spiked Amount 50.000		Recovery =	67.15%
6) S 2-Fluorobiphenyl (SURR)	8.598	3722980	32.544 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	65.09%
11) S ortho-Terphenyl (SURR)	11.645	6306403	31.419 ug/ml
Spiked Amount 50.000		Recovery =	62.84%

Target Compounds

(f)=RT Delta > 1/2 Window

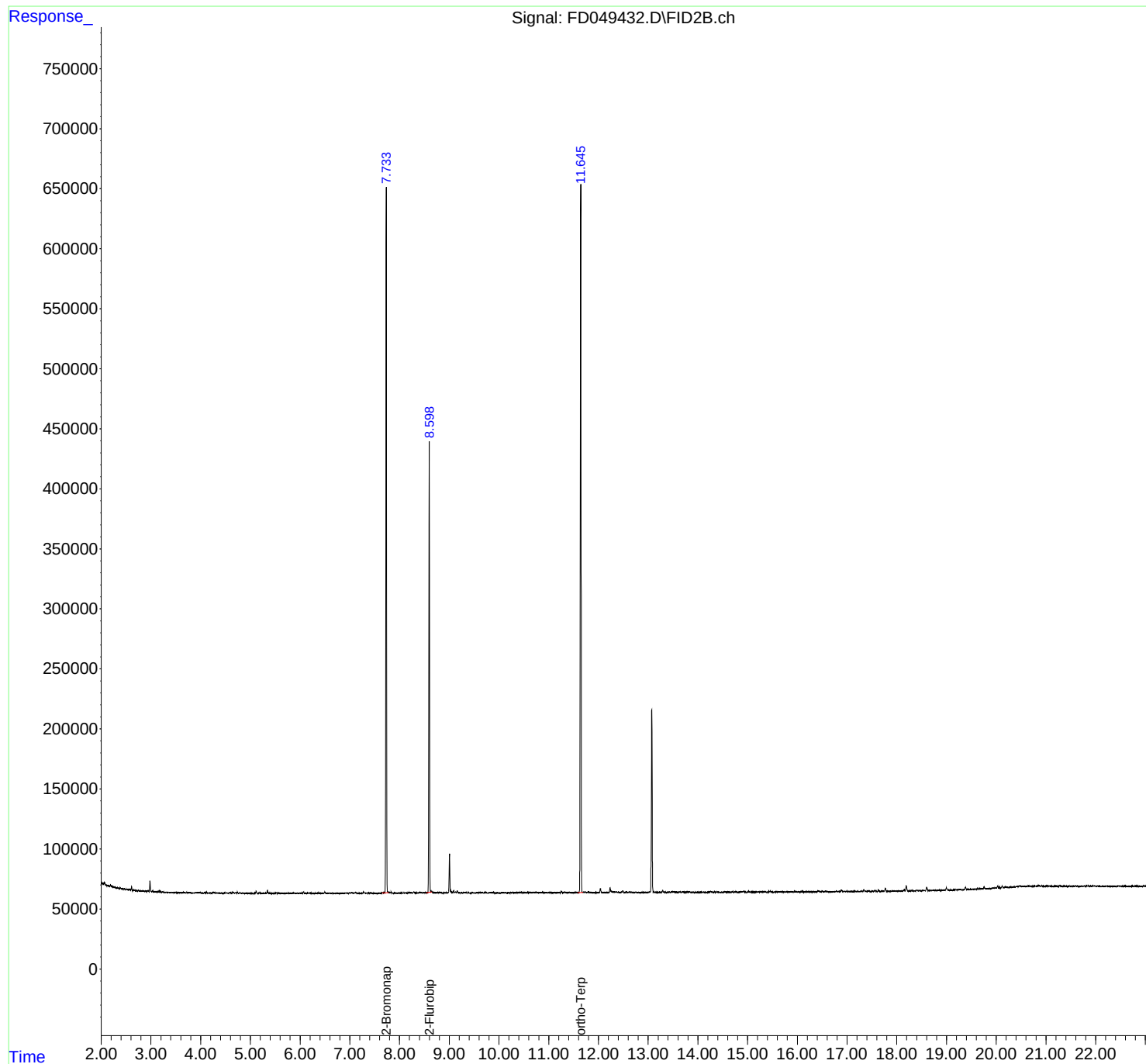
(m)=manual int.

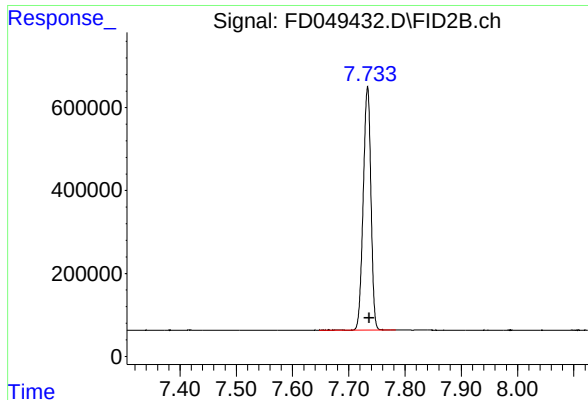
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061125AR\
Data File : FD049432.D
Signal(s) : FID2B.ch
Acq On : 11 Jun 2025 16:33
Operator : YP/AJ
Sample : PB168408BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB168408BL

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

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

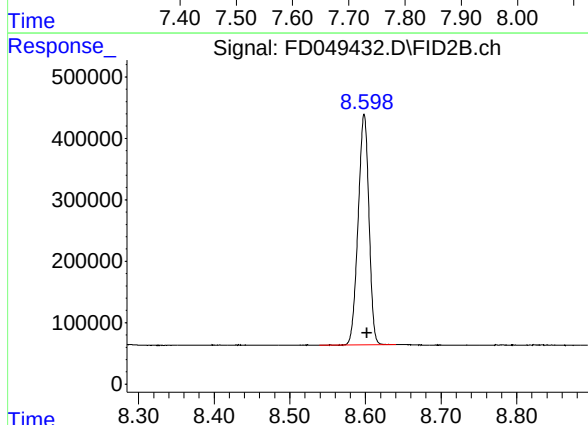




#4 2-Bromonaphthalene (SURR)

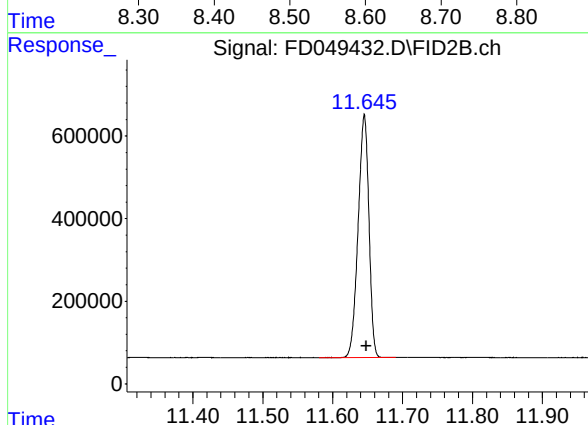
R.T.: 7.733 min
Delta R.T.: -0.003 min
Response: 5580932
Conc: 33.57 ug/ml

Instrument :
FID_D
ClientSampleId :
PB168408BL



#6 2-Fluorobiphenyl (SURR)

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



#11 ortho-Terphenyl (SURR)

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

rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	7.733	7.647	7.784	BB	588138	5580932	88.50%	35.752%
2	8.598	8.539	8.640	BB	375716	3722980	59.03%	23.849%
3	11.645	11.580	11.690	BB	589219	6306403	100.00%	40.399%
Sum of corrected areas:							15610315	

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168324BS	SDG No.:	Q2177
Lab Sample ID:	PB168324BS	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
06/06/25 09:10	06/09/25 16:57	PB168324

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	148		1	8.28	30.0	ug/l	FC069135.D
Aliphatic C12-C16	Aliphatic C12-C16	123		1	13.5	20.0	ug/l	FC069135.D
Aliphatic C16-C21	Aliphatic C16-C21	209		1	8.34	30.0	ug/l	FC069135.D
Aliphatic C21-C28	Aliphatic C21-C28	298		1	12.5	40.0	ug/l	FC069135.D
Aliphatic C28-C40	Aliphatic C28-C40	420		1	23.8	60.0	ug/l	FC069135.D
Aromatic C10-C12	Aromatic C10-C12	91.0		1	2.07	20.0	ug/l	FD049416.D
Aromatic C12-C16	Aromatic C12-C16	143		1	4.26	30.0	ug/l	FD049416.D
Aromatic C16-C21	Aromatic C16-C21	271		1	8.27	50.0	ug/l	FD049416.D
Aromatic C21-C36	Aromatic C21-C36	515		1	23.8	80.0	ug/l	FD049416.D
Total AliphaticEPH	Total AliphaticEPH	1200			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	1020			38.4	180	ug/l	
Total EPH	Total EPH	2220			105	360	ug/l	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168324BS	SDG No.:	Q2177
Lab Sample ID:	PB168324BS	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:		Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069135.D	1	06/06/25	06/09/25	PB168324

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168324BS	Acq On:	09 Jun 2025 16:57
Client Sample ID:	PB168324BS	Operator:	YP/AJ
Data file:	FC069135.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.299	6.602	7850856	74.263	300	ug/ml
Aliphatic C12-C16	6.603	10.008	6291363	61.689	200	ug/ml
Aliphatic C16-C21	10.009	13.379	10246363	104.699	300	ug/ml
Aliphatic C21-C28	13.380	17.047	14009671	149.351	400	ug/ml
Aliphatic C28-C40	17.048	22.037	19850508	210.194	600	ug/ml
Aliphatic EPH	3.299	22.037	58248761	600.195		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	3366566	37.53		ug/ml
Aliphatic C9-C28	3.299	17.047	38398253	390.002	1200	ug/ml

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

Instrument :
 FID_C
 ClientSampleId :
 PB168324BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/10/2025
 Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e
 Quant Time: Jun 10 05:23:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

(m)=manual int.

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

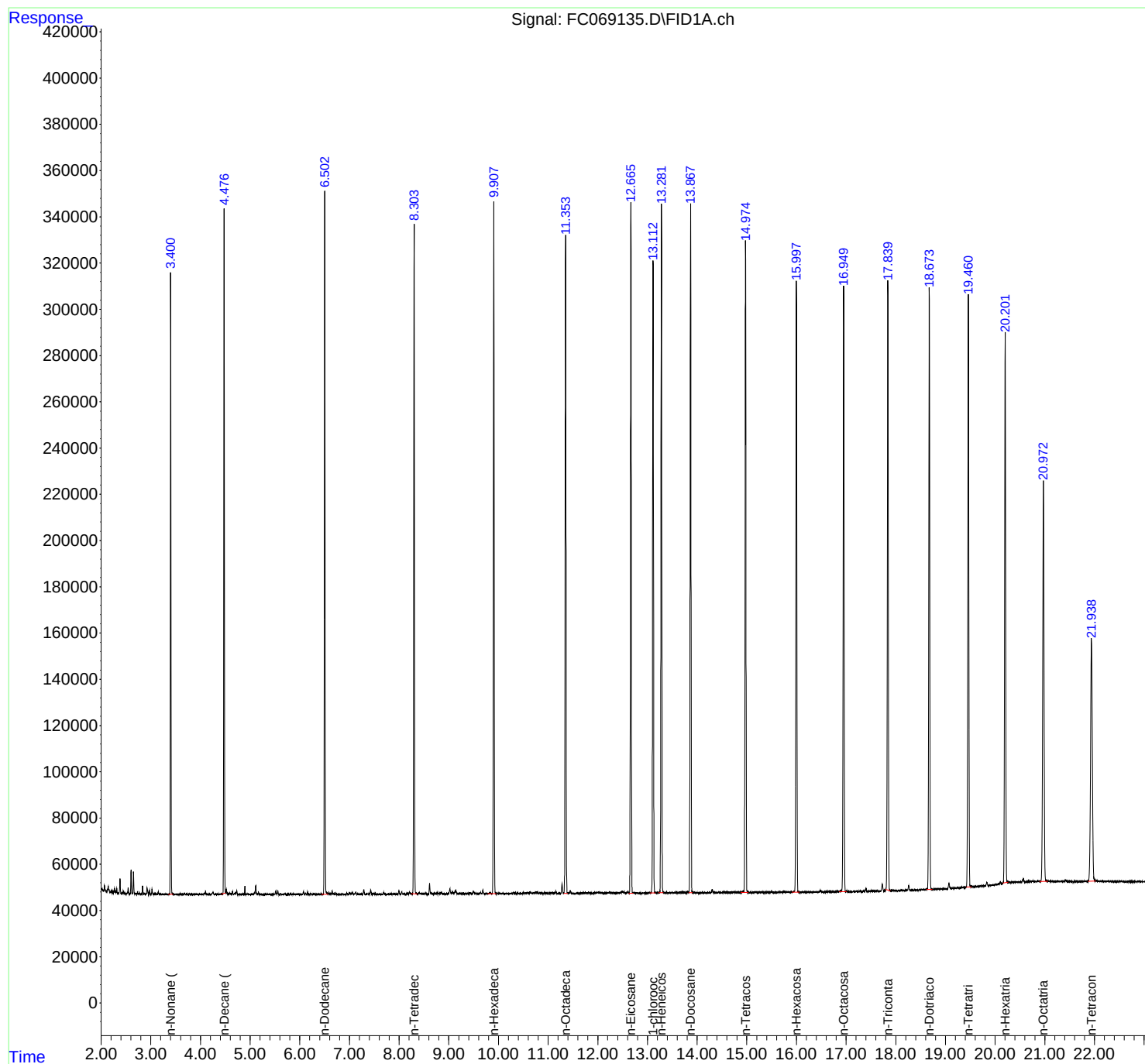
Instrument :
FID_C
ClientSampleId :
PB168324BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e
Quant Time: Jun 10 05:23:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_C

ClientSampleId :

PB168324BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.400	3.350	3.447	BB	268489	2217452	61.97%	3.599%
2	4.476	4.420	4.505	BV	295574	2679793	74.89%	4.349%
3	6.503	6.442	6.573	BV	303942	2953611	82.55%	4.794%
4	8.303	8.243	8.365	BB	290305	3054731	85.37%	4.958%
5	9.908	9.783	9.958	BB	299159	3236632	90.46%	5.253%
6	11.353	11.330	11.393	BB	282366	3203643	89.53%	5.199%
7	12.666	12.628	12.718	BB	296226	3555373	99.36%	5.770%
8	13.113	13.043	13.158	BB	273202	3366566	94.09%	5.464%
9	13.281	13.220	13.322	BB	298888	3487347	97.46%	5.660%
10	13.868	13.831	13.912	PB	295831	3503194	97.91%	5.686%
11	14.974	14.883	15.032	BB	279346	3529259	98.63%	5.728%
12	15.997	15.907	16.062	BB	264550	3496699	97.72%	5.675%
13	16.949	16.865	17.005	BB	260642	3480519	97.27%	5.649%
14	17.839	17.800	17.895	BB	262743	3536231	98.83%	5.739%
15	18.674	18.617	18.732	BB	259724	3563259	99.58%	5.783%
16	19.460	19.420	19.518	BB	255549	3578132	100.00%	5.807%
17	20.202	20.160	20.257	BB	238494	3444828	96.27%	5.591%
18	20.972	20.892	21.055	BB	172990	3202447	89.50%	5.197%
19	21.939	21.890	22.025	BB	103816	2525611	70.58%	4.099%
Sum of corrected areas:						61615327		

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168324BS	SDG No.:	Q2177
Lab Sample ID:	PB168324BS	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049416.D	1	06/06/25	06/09/25	PB168324

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

Quantitation Report For Aromatic EPH Range.

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

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

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

Instrument :
 FID_D
 ClientSampleId :
 PB168324BS

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

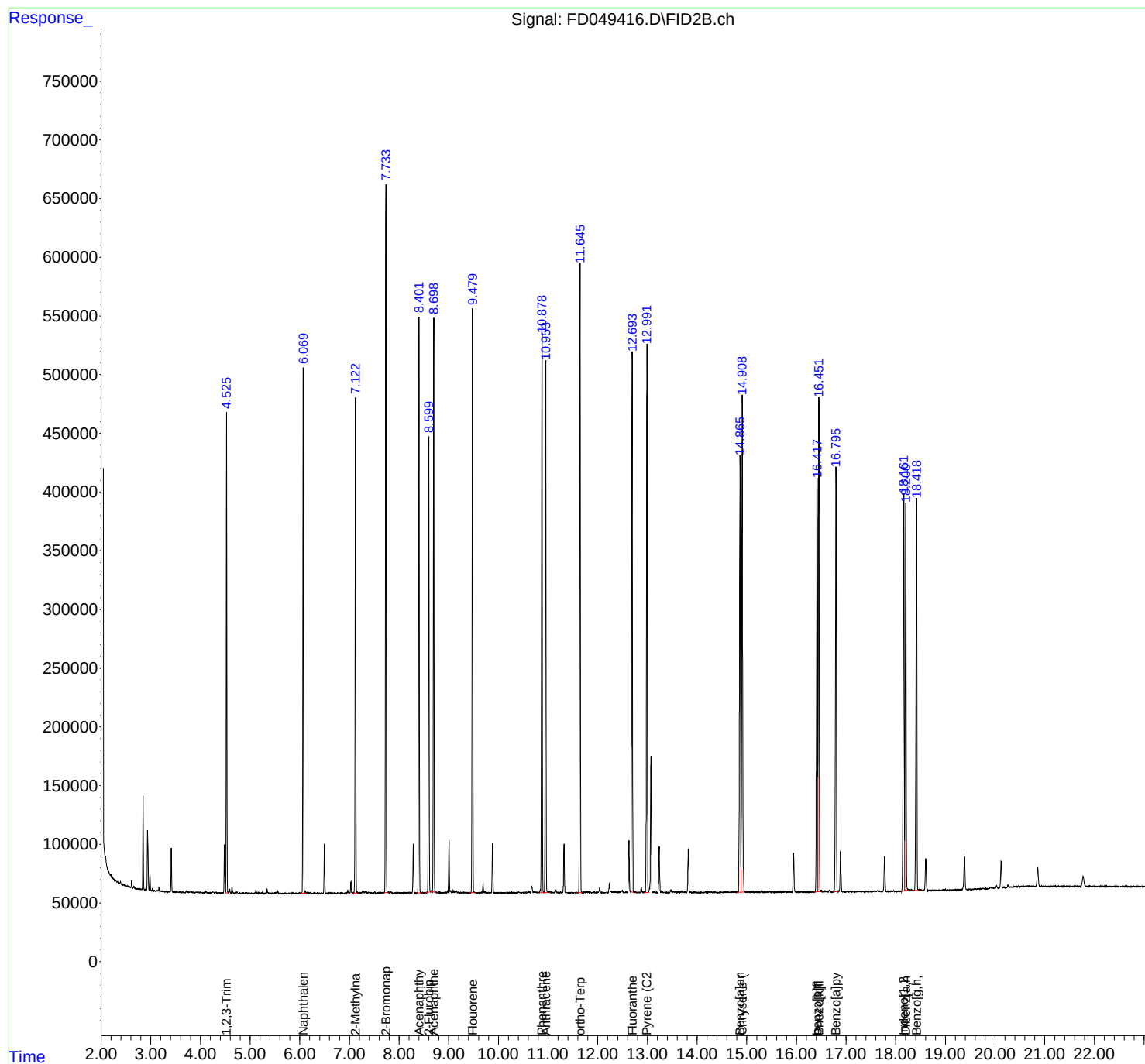
(m)=manual int.

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

Instrument :
FID_D
ClientSampleId :
PB168324BS

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

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



rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.526	4.503	4.572	VV	409153	3499901	60.69%	3.542%
2	6.069	6.015	6.138	BB	446714	4112843	71.32%	4.163%
3	7.122	7.068	7.172	BB	420886	3979003	69.00%	4.027%
4	7.733	7.695	7.777	BB	602848	5669143	98.30%	5.738%
5	8.402	8.337	8.458	BB	490566	4730412	82.03%	4.788%
6	8.599	8.543	8.643	BB	386472	3820043	66.24%	3.866%
7	8.698	8.643	8.740	BB	488945	4743954	82.26%	4.802%
8	9.479	9.420	9.523	BB	498450	4948337	85.80%	5.008%
9	10.878	10.848	10.917	VV	476340	5042655	87.44%	5.104%
10	10.953	10.917	11.003	PB	453667	4835094	83.84%	4.894%
11	11.645	11.585	11.680	BB	535767	5766961	100.00%	5.837%
12	12.694	12.650	12.737	BB	459494	5127373	88.91%	5.190%
13	12.992	12.935	13.022	BV	467525	5142168	89.17%	5.205%
14	14.864	14.795	14.883	BV	373574	4698120	81.47%	4.755%
15	14.908	14.883	14.970	VB	423620	5198728	90.15%	5.262%
16	16.416	16.348	16.431	BV	353034	4812910	83.46%	4.871%
17	16.450	16.431	16.487	VB	418982	4763515	82.60%	4.821%
18	16.796	16.728	16.845	BB	362457	4620605	80.12%	4.677%
19	18.161	18.110	18.177	BV	338736	4649880	80.63%	4.706%
20	18.200	18.177	18.262	VB	330357	4146286	71.90%	4.197%
21	18.419	18.345	18.480	BB	333615	4491854	77.89%	4.546%
Sum of corrected areas:							98799785	

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168408BS	SDG No.:	Q2177
Lab Sample ID:	PB168408BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:45	06/11/25 17:15	PB168408

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	4.97		1	0.14	1.00	mg/kg FC069158.D
Aliphatic C12-C16	Aliphatic C12-C16	4.11		1	0.11	0.67	mg/kg FC069158.D
Aliphatic C16-C21	Aliphatic C16-C21	7.02		1	0.13	1.00	mg/kg FC069158.D
Aliphatic C21-C28	Aliphatic C21-C28	10.0		1	0.53	1.33	mg/kg FC069158.D
Aliphatic C28-C40	Aliphatic C28-C40	14.6		1	1.18	2.00	mg/kg FC069158.D
Aromatic C10-C12	Aromatic C10-C12	3.20		1	0.12	0.67	mg/kg FD049433.D
Aromatic C12-C16	Aromatic C12-C16	5.11		1	0.23	1.00	mg/kg FD049433.D
Aromatic C16-C21	Aromatic C16-C21	9.80		1	0.40	1.67	mg/kg FD049433.D
Aromatic C21-C36	Aromatic C21-C36	18.5		1	1.19	2.66	mg/kg FD049433.D
Total AliphaticEPH	Total AliphaticEPH	40.7			2.09	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	36.6			1.94	6.00	mg/kg
Total EPH	Total EPH	77.3			4.03	12.0	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168408BS	SDG No.:	Q2177
Lab Sample ID:	PB168408BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069158.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	4.97		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.11		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	7.02		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.0		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.6		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.0		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168408BS	Acq On:	11 Jun 2025 17:15
Client Sample ID:	PB168408BS	Operator:	YP/AJ
Data file:	FC069158.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.605	7878783	74.527	300	ug/ml
Aliphatic C12-C16	6.606	10.010	6284249	61.619	200	ug/ml
Aliphatic C16-C21	10.011	13.380	10319394	105.445	300	ug/ml
Aliphatic C21-C28	13.381	17.048	14134902	150.686	400	ug/ml
Aliphatic C28-C40	17.049	22.033	20659158	218.757	600	ug/ml
Aliphatic EPH	3.303	22.033	59276486	611.033		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.116	13.116	3406395	37.97		ug/ml
Aliphatic C9-C28	3.303	17.048	38617328	392.277	1200	ug/ml

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

Instrument :
 FID_C
 ClientSampleId :
 PB168408BS

Manual Integrations
 APPROVED

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

Integration File: autoint1.e
 Quant Time: Jun 12 06:04:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

(m)=manual int.

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

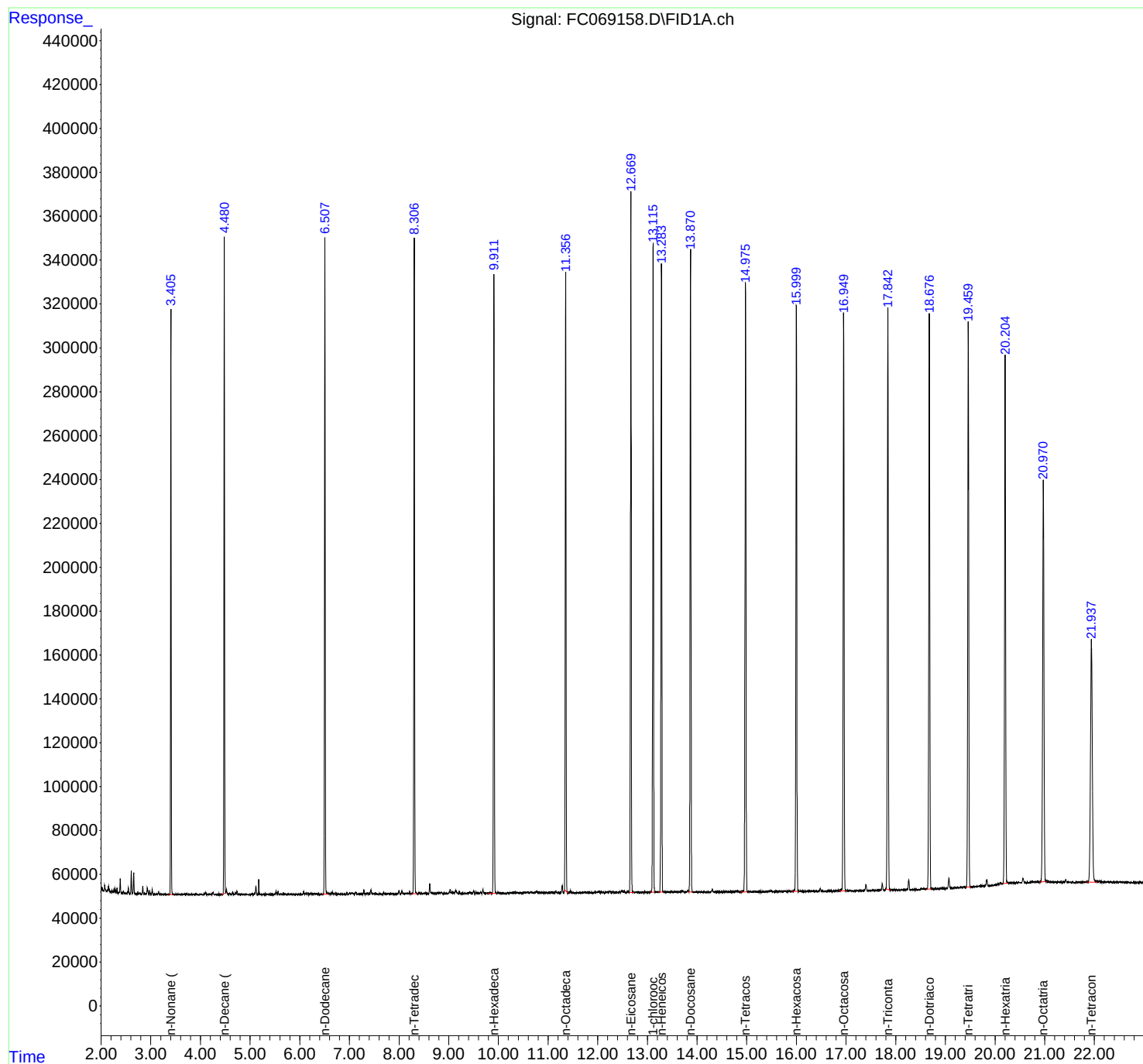
Instrument :
FID_C
ClientSampleId :
PB168408BS

Manual Integrations
APPROVED

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

Integration File: autoint1.e
Quant Time: Jun 12 06:04:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_C

ClientSampleId :

PB168408BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.406	3.357	3.455	BB	266450	2230358	60.15%	3.558%
2	4.481	4.425	4.510	BV	299559	2689801	72.54%	4.291%
3	6.507	6.454	6.575	BV	299429	2958624	79.79%	4.720%
4	8.306	8.250	8.370	BB	299312	3052905	82.34%	4.870%
5	9.911	9.789	9.964	BB	282715	3231344	87.15%	5.155%
6	11.356	11.330	11.402	BB	281502	3268350	88.15%	5.214%
7	12.669	12.635	12.722	BB	319268	3555843	95.90%	5.673%
8	13.116	13.055	13.149	BB	295023	3406395	91.87%	5.434%
9	13.283	13.222	13.322	BB	287284	3495201	94.27%	5.576%
10	13.870	13.834	13.922	VB	293199	3515122	94.80%	5.608%
11	14.975	14.885	15.015	BB	276778	3553253	95.83%	5.669%
12	15.999	15.907	16.039	BB	266689	3528040	95.15%	5.628%
13	16.950	16.869	17.010	BB	262331	3538487	95.43%	5.645%
14	17.841	17.800	17.897	BB	260306	3631105	97.93%	5.793%
15	18.675	18.620	18.722	BB	261621	3683844	99.35%	5.877%
16	19.460	19.420	19.520	BB	255205	3707841	100.00%	5.915%
17	20.202	20.160	20.264	BB	238937	3584204	96.67%	5.718%
18	20.972	20.897	21.035	BB	180794	3356685	90.53%	5.355%
19	21.939	21.890	22.037	BB	108723	2695479	72.70%	4.300%
Sum of corrected areas:						62682879		

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168408BS	SDG No.:	Q2177
Lab Sample ID:	PB168408BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049433.D	1	06/11/25	06/11/25	PB168408

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168408BS	Acq On:	11 Jun 2025 17:15
Client Sample ID:	PB168408BS	Operator:	YP/AJ
Data file:	FD049433.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.424	6.168	8036884	48.026	200	ug/ml
Aromatic C12-C16	6.169	8.797	14391225	76.743	300	ug/ml
Aromatic C16-C21	8.798	13.088	27187051	147.164	500	ug/ml
Aromatic C21-C36	13.089	18.509	40239912	277.406	800	ug/ml
Aromatic EPH	4.424	18.509	89855072	549.338		ug/ml
2-Bromonaphthalene (SURRE)	7.733	7.733	6082670	36.59		ug/ml
2-Fluorobiphenyl (SURRE)	8.599	8.599	4126519	36.07		ug/ml
ortho-Terphenyl (SURRE)	11.645	11.645	6218341	30.98		ug/ml

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

Instrument :
 FID_D
 ClientSampleId :
 PB168408BS

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

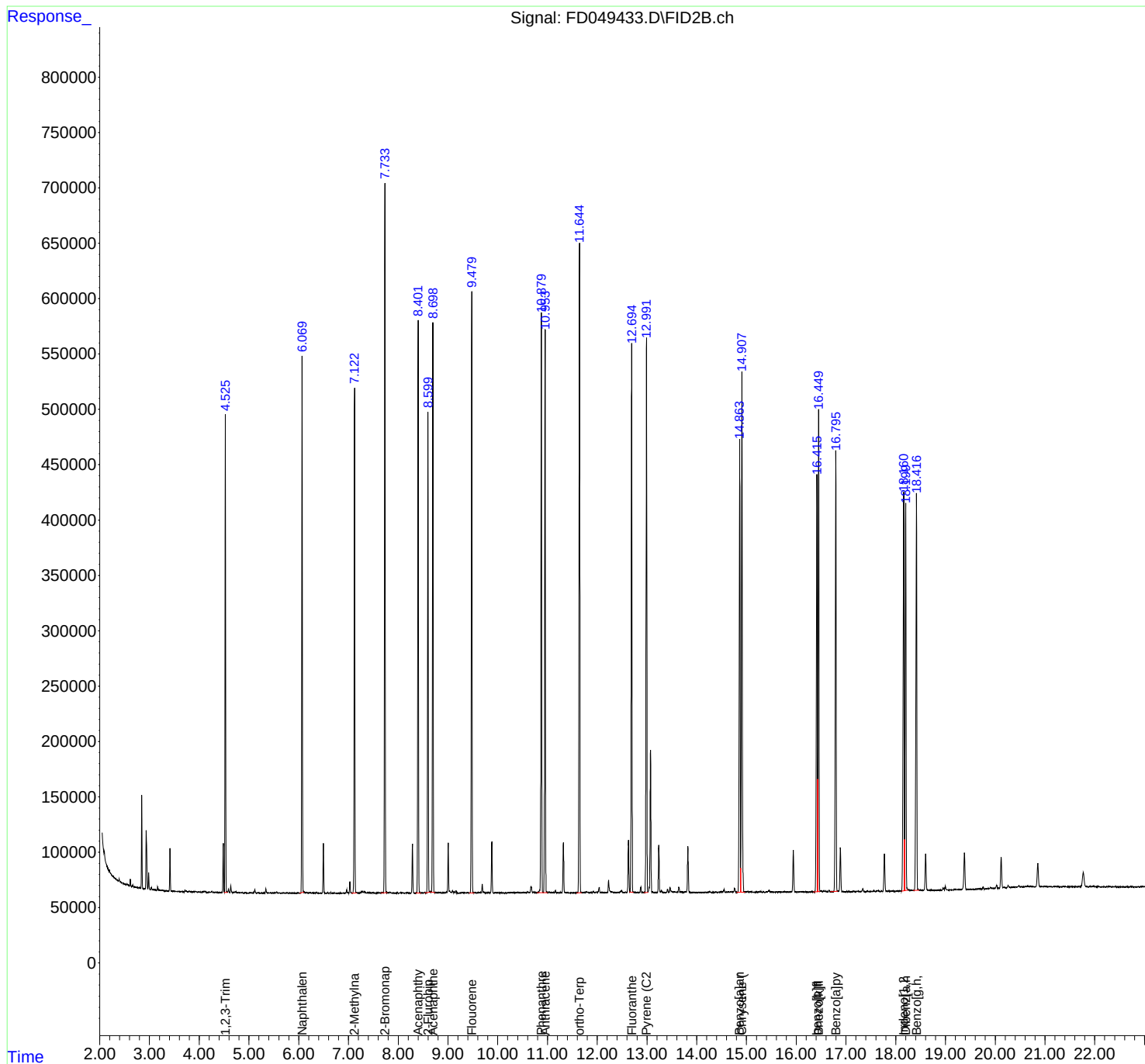
(m)=manual int.

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

Instrument :
FID_D
ClientSampleId :
PB168408BS

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

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



rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.525	4.504	4.572	VV	431366	3692267	59.38%	3.474%
2	6.069	6.015	6.109	BB	483944	4344617	69.87%	4.088%
3	7.123	7.069	7.169	BB	455183	4264479	68.58%	4.012%
4	7.733	7.647	7.784	BB	640353	6082670	97.82%	5.723%
5	8.402	8.349	8.455	BB	517364	5052028	81.24%	4.753%
6	8.599	8.540	8.634	BB	432709	4126519	66.36%	3.883%
7	8.698	8.644	8.737	BB	515225	5074718	81.61%	4.775%
8	9.480	9.424	9.530	BB	543147	5343699	85.93%	5.028%
9	10.879	10.780	10.917	BV	524200	5496426	88.39%	5.172%
10	10.954	10.917	11.004	PB	508824	5281115	84.93%	4.969%
11	11.645	11.582	11.692	BB	587385	6218341	100.00%	5.851%
12	12.694	12.650	12.725	BB	495827	5534313	89.00%	5.207%
13	12.992	12.930	13.017	BV	501509	5531498	88.95%	5.205%
14	14.863	14.802	14.882	BV	409665	5125382	82.42%	4.822%
15	14.907	14.882	14.967	VB	470270	5659378	91.01%	5.325%
16	16.415	16.345	16.430	BV	376758	5140483	82.67%	4.837%
17	16.450	16.430	16.481	VB	433953	5082863	81.74%	4.782%
18	16.795	16.687	16.839	BB	398663	4906573	78.90%	4.617%
19	18.160	18.110	18.176	BV	359869	4985230	80.17%	4.691%
20	18.199	18.176	18.250	VB	348557	4577074	73.61%	4.307%
21	18.417	18.344	18.474	BB	358730	4762929	76.59%	4.481%
Sum of corrected areas:						106282602		

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168324BSD	SDG No.:	Q2177
Lab Sample ID:	PB168324BSD	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
06/06/25 09:10	06/09/25 17:37	PB168324

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	155		1	8.28	30.0	ug/l	FC069136.D
Aliphatic C12-C16	Aliphatic C12-C16	128		1	13.5	20.0	ug/l	FC069136.D
Aliphatic C16-C21	Aliphatic C16-C21	216		1	8.34	30.0	ug/l	FC069136.D
Aliphatic C21-C28	Aliphatic C21-C28	305		1	12.5	40.0	ug/l	FC069136.D
Aliphatic C28-C40	Aliphatic C28-C40	443		1	23.8	60.0	ug/l	FC069136.D
Aromatic C10-C12	Aromatic C10-C12	83.6		1	2.07	20.0	ug/l	FD049417.D
Aromatic C12-C16	Aromatic C12-C16	132		1	4.26	30.0	ug/l	FD049417.D
Aromatic C16-C21	Aromatic C16-C21	254		1	8.27	50.0	ug/l	FD049417.D
Aromatic C21-C36	Aromatic C21-C36	494		1	23.8	80.0	ug/l	FD049417.D
Total AliphaticEPH	Total AliphaticEPH	1250			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	964			38.4	180	ug/l	
Total EPH	Total EPH	2210			105	360	ug/l	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168324BSD	SDG No.:	Q2177
Lab Sample ID:	PB168324BSD	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069136.D	1	06/06/25	06/09/25	PB168324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	155		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	128		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	216		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	305		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	443		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.9		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168324BSD	Acq On:	09 Jun 2025 17:37
Client Sample ID:	PB168324BSD	Operator:	YP/AJ
Data file:	FC069136.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.299	6.602	8233812	77.885	300	ug/ml
Aliphatic C12-C16	6.603	10.008	6547841	64.204	200	ug/ml
Aliphatic C16-C21	10.009	13.379	10596367	108.275	300	ug/ml
Aliphatic C21-C28	13.380	17.047	14345368	152.929	400	ug/ml
Aliphatic C28-C40	17.048	22.037	20933938	221.666	600	ug/ml
Aliphatic EPH	3.299	22.037	60657326	624.959		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	3493029	38.94		ug/ml
Aliphatic C9-C28	3.299	17.047	39723388	403.293	1200	ug/ml

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

Instrument :
 FID_C
 ClientSampleId :
 PB168324BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/10/2025
 Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e
 Quant Time: Jun 10 05:24:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

(m)=manual int.

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

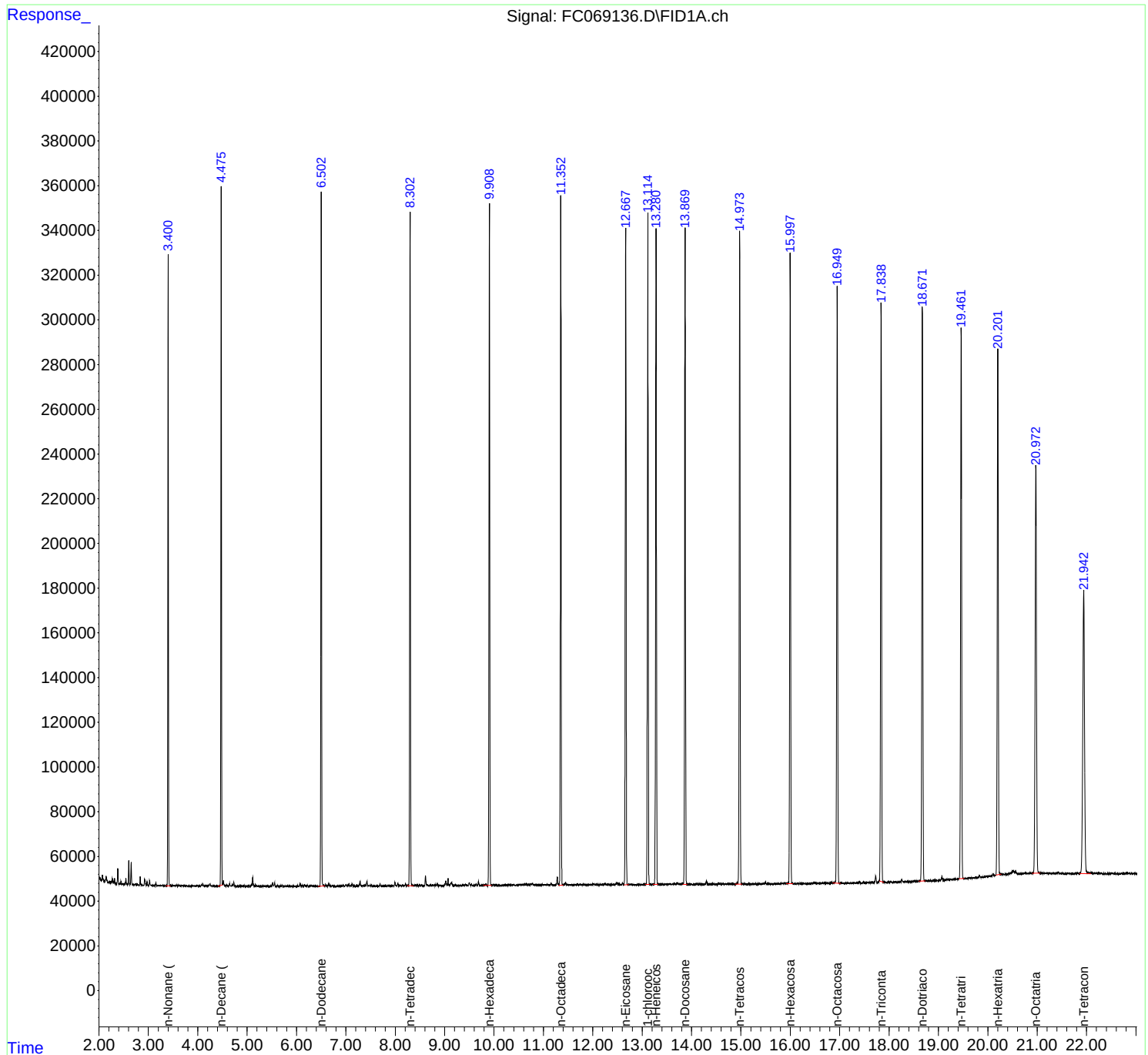
Instrument :
FID_C
ClientSampleId :
PB168324BSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2025
Supervised By :mohammad ahmed 06/11/2025

Integration File: autoint1.e
Quant Time: Jun 10 05:24:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_C

ClientSampleId :

PB168324BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/10/2025

Supervised By :mohammad ahmed 06/11/2025

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.401	3.350	3.442	BB	281841	2327293	63.49%	3.628%
2	4.476	4.420	4.505	BV	312351	2813430	76.75%	4.386%
3	6.502	6.438	6.570	BB	310472	3093089	84.38%	4.822%
4	8.302	8.247	8.367	BB	301374	3187020	86.94%	4.968%
5	9.908	9.787	9.955	BB	305496	3360821	91.68%	5.239%
6	11.353	11.330	11.392	BB	302141	3341075	91.14%	5.208%
7	12.668	12.630	12.722	PB	294857	3665722	100.00%	5.714%
8	13.114	13.055	13.153	BB	301455	3493029	95.29%	5.445%
9	13.281	13.218	13.318	BB	293906	3589570	97.92%	5.596%
10	13.869	13.831	13.913	VB	292257	3602528	98.28%	5.616%
11	14.974	14.880	15.018	BB	292026	3622735	98.83%	5.647%
12	15.997	15.915	16.057	BB	281923	3574251	97.50%	5.572%
13	16.949	16.865	17.013	BB	266529	3545854	96.73%	5.527%
14	17.839	17.800	17.897	BB	258501	3586320	97.83%	5.590%
15	18.673	18.598	18.728	BB	252605	3613612	98.58%	5.633%
16	19.460	19.420	19.520	BB	246067	3648561	99.53%	5.688%
17	20.202	20.160	20.268	BB	234644	3586181	97.83%	5.590%
18	20.973	20.893	21.055	BB	181895	3483420	95.03%	5.430%
19	21.942	21.890	22.040	BB	125617	3015844	82.27%	4.701%
Sum of corrected areas:						64150354		

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168324BSD	SDG No.:	Q2177
Lab Sample ID:	PB168324BSD	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049417.D	1	06/06/25	06/09/25	PB168324

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

Quantitation Report For Aromatic EPH Range.

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

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

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

Instrument :
 FID_D
 ClientSampleId :
 PB168324BSD

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

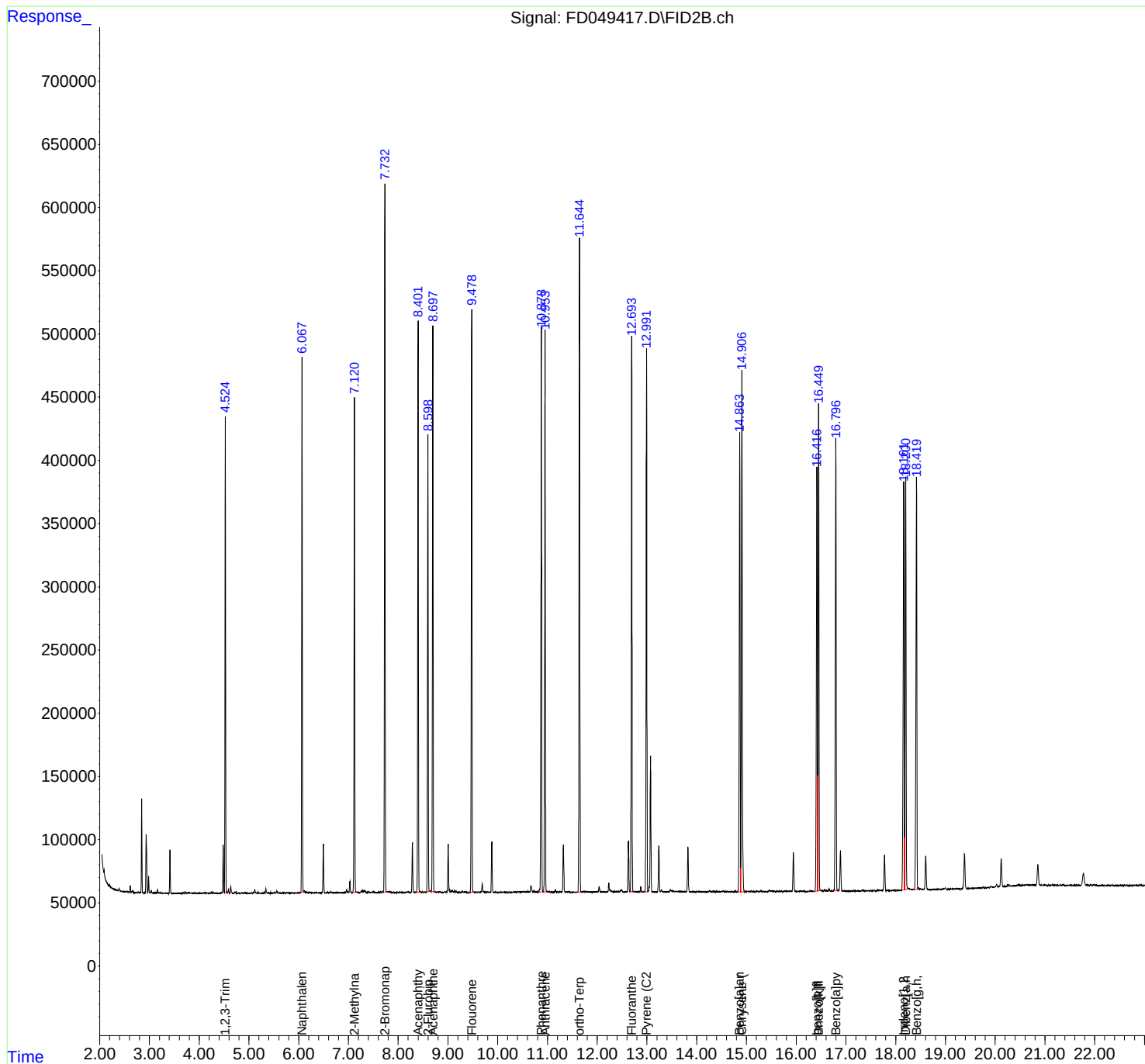
(m)=manual int.

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

Instrument :
FID_D
ClientSampleId :
PB168324BSD

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

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



rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.525	4.503	4.570	VV	377100	3225620	60.24%	3.472%
2	6.067	6.015	6.117	BB	422456	3770705	70.42%	4.059%
3	7.121	7.068	7.173	BB	390047	3683509	68.79%	3.965%
4	7.733	7.680	7.787	BB	558343	5235013	97.77%	5.635%
5	8.401	8.348	8.450	BB	451894	4361706	81.46%	4.695%
6	8.598	8.563	8.642	BB	361515	3547472	66.25%	3.819%
7	8.697	8.647	8.742	BB	448124	4385346	81.90%	4.721%
8	9.479	9.418	9.523	BB	459863	4596241	85.84%	4.948%
9	10.878	10.802	10.917	BV	448399	4729941	88.34%	5.092%
10	10.953	10.917	10.995	PB	444611	4554391	85.06%	4.903%
11	11.644	11.575	11.692	BB	516473	5354384	100.00%	5.764%
12	12.693	12.650	12.725	BB	438187	4803640	89.71%	5.171%
13	12.991	12.930	13.019	BV	431776	4810183	89.84%	5.178%
14	14.863	14.803	14.883	BV	363464	4485779	83.78%	4.829%
15	14.907	14.883	14.972	VB	412841	4951080	92.47%	5.330%
16	16.416	16.348	16.431	BV	335577	4552141	85.02%	4.900%
17	16.450	16.431	16.487	VV	385449	4524513	84.50%	4.870%
18	16.796	16.732	16.838	BB	358592	4380687	81.81%	4.716%
19	18.162	18.110	18.178	BV	322941	4507749	84.19%	4.852%
20	18.200	18.178	18.262	VB	325556	4143409	77.38%	4.460%
21	18.418	18.345	18.472	BB	325147	4294233	80.20%	4.623%
Sum of corrected areas:							92897744	

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168408BSD	SDG No.:	Q2177
Lab Sample ID:	PB168408BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:45	06/11/25 17:57	PB168408

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.03		1	0.14	1.00	mg/kg FC069159.D
Aliphatic C12-C16	Aliphatic C12-C16	4.15		1	0.11	0.67	mg/kg FC069159.D
Aliphatic C16-C21	Aliphatic C16-C21	7.07		1	0.13	1.00	mg/kg FC069159.D
Aliphatic C21-C28	Aliphatic C21-C28	10.1		1	0.53	1.33	mg/kg FC069159.D
Aliphatic C28-C40	Aliphatic C28-C40	15.0		1	1.18	2.00	mg/kg FC069159.D
Aromatic C10-C12	Aromatic C10-C12	2.95		1	0.12	0.67	mg/kg FD049434.D
Aromatic C12-C16	Aromatic C12-C16	4.68		1	0.23	1.00	mg/kg FD049434.D
Aromatic C16-C21	Aromatic C16-C21	9.01		1	0.40	1.67	mg/kg FD049434.D
Aromatic C21-C36	Aromatic C21-C36	17.5		1	1.19	2.66	mg/kg FD049434.D
Total AliphaticEPH	Total AliphaticEPH	41.4			2.09	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	34.1			1.94	6.00	mg/kg
Total EPH	Total EPH	75.5			4.03	12.0	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168408BSD	SDG No.:	Q2177
Lab Sample ID:	PB168408BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069159.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.03		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.15		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	7.07		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.1		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.0		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.6		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168408BSD	Acq On:	11 Jun 2025 17:57
Client Sample ID:	PB168408BSD	Operator:	YP/AJ
Data file:	FC069159.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.605	7987311	75.553	300	ug/ml
Aliphatic C12-C16	6.606	10.010	6351024	62.274	200	ug/ml
Aliphatic C16-C21	10.011	13.380	10389514	106.162	300	ug/ml
Aliphatic C21-C28	13.381	17.048	14283947	152.275	400	ug/ml
Aliphatic C28-C40	17.049	22.033	21300229	225.545	600	ug/ml
Aliphatic EPH	3.303	22.033	60312025	621.808		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	3465185	38.62		ug/ml
Aliphatic C9-C28	3.303	17.048	39011796	396.264	1200	ug/ml

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

Instrument :
 FID_C
 ClientSampleId :
 PB168408BSD

Manual Integrations
 APPROVED

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

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

(m)=manual int.

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

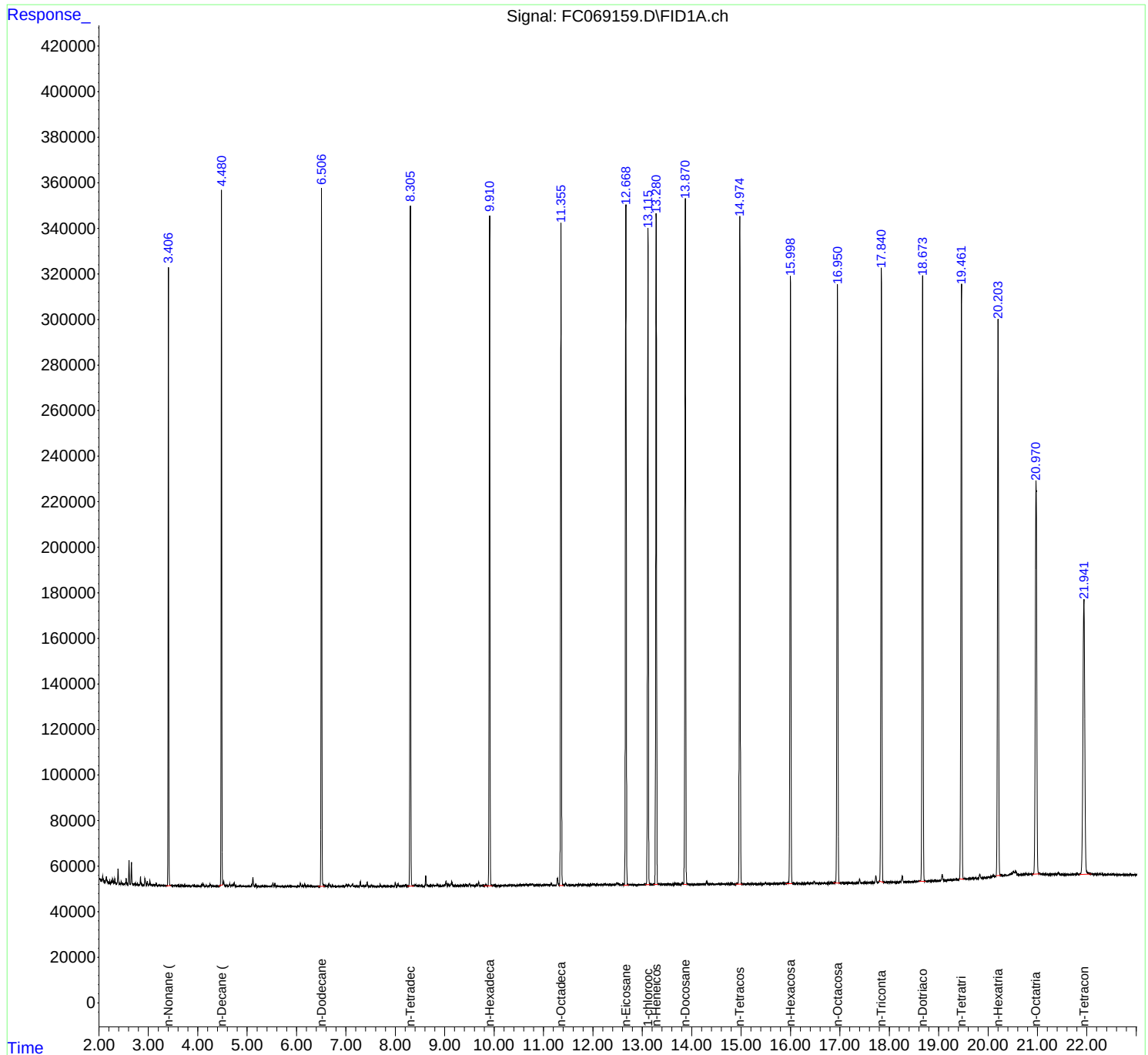
Instrument :
FID_C
ClientSampleId :
PB168408BSD

Manual Integrations
APPROVED

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

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

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



rteres

Instrument :

FID_C

ClientSampleId :

PB168408BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.406	3.355	3.457	BB	270640	2259686	60.49%	3.543%
2	4.480	4.425	4.510	BV	304688	2725623	72.97%	4.274%
3	6.506	6.442	6.573	BB	306860	3002002	80.37%	4.707%
4	8.305	8.252	8.368	BB	298267	3089908	82.72%	4.845%
5	9.910	9.788	9.963	BB	294226	3261116	87.30%	5.113%
6	11.355	11.330	11.402	BB	289391	3274806	87.67%	5.135%
7	12.668	12.627	12.720	PB	300038	3588430	96.07%	5.627%
8	13.115	13.055	13.150	BB	287842	3465185	92.77%	5.433%
9	13.282	13.223	13.320	BB	292085	3526278	94.40%	5.529%
10	13.869	13.831	13.908	PB	303197	3548367	94.99%	5.564%
11	14.974	14.885	15.030	BB	293241	3595477	96.25%	5.638%
12	15.999	15.905	16.037	BB	267266	3569762	95.57%	5.597%
13	16.950	16.865	17.005	BB	262631	3570341	95.58%	5.598%
14	17.840	17.800	17.895	BB	269117	3651998	97.77%	5.726%
15	18.674	18.598	18.737	BB	265201	3697035	98.97%	5.797%
16	19.461	19.420	19.508	BB	260286	3735390	100.00%	5.857%
17	20.202	20.160	20.258	BB	242842	3662913	98.06%	5.743%
18	20.972	20.895	21.048	BB	170513	3539927	94.77%	5.550%
19	21.941	21.890	22.048	BB	118535	3012966	80.66%	4.724%
Sum of corrected areas:						63777209		

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168408BSD	SDG No.:	Q2177
Lab Sample ID:	PB168408BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049434.D	1	06/11/25	06/11/25	PB168408

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB168408BSD	Acq On:	11 Jun 2025 17:57
Client Sample ID:	PB168408BSD	Operator:	YP/AJ
Data file:	FD049434.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.424	6.168	7419926	44.339	200	ug/ml
Aromatic C12-C16	6.169	8.797	13190807	70.341	300	ug/ml
Aromatic C16-C21	8.798	13.088	25003970	135.346	500	ug/ml
Aromatic C21-C36	13.089	18.509	38067969	262.433	800	ug/ml
Aromatic EPH	4.424	18.509	83682672	512.46		ug/ml
2-Bromonaphthalene (SURRE)	7.732	7.732	5575880	33.54		ug/ml
2-Fluorobiphenyl (SURRE)	8.598	8.598	3792496	33.15		ug/ml
ortho-Terphenyl (SURRE)	11.643	11.643	5678306	28.29		ug/ml

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

Instrument :
 FID_D
 ClientSampleId :
 PB168408BSD

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

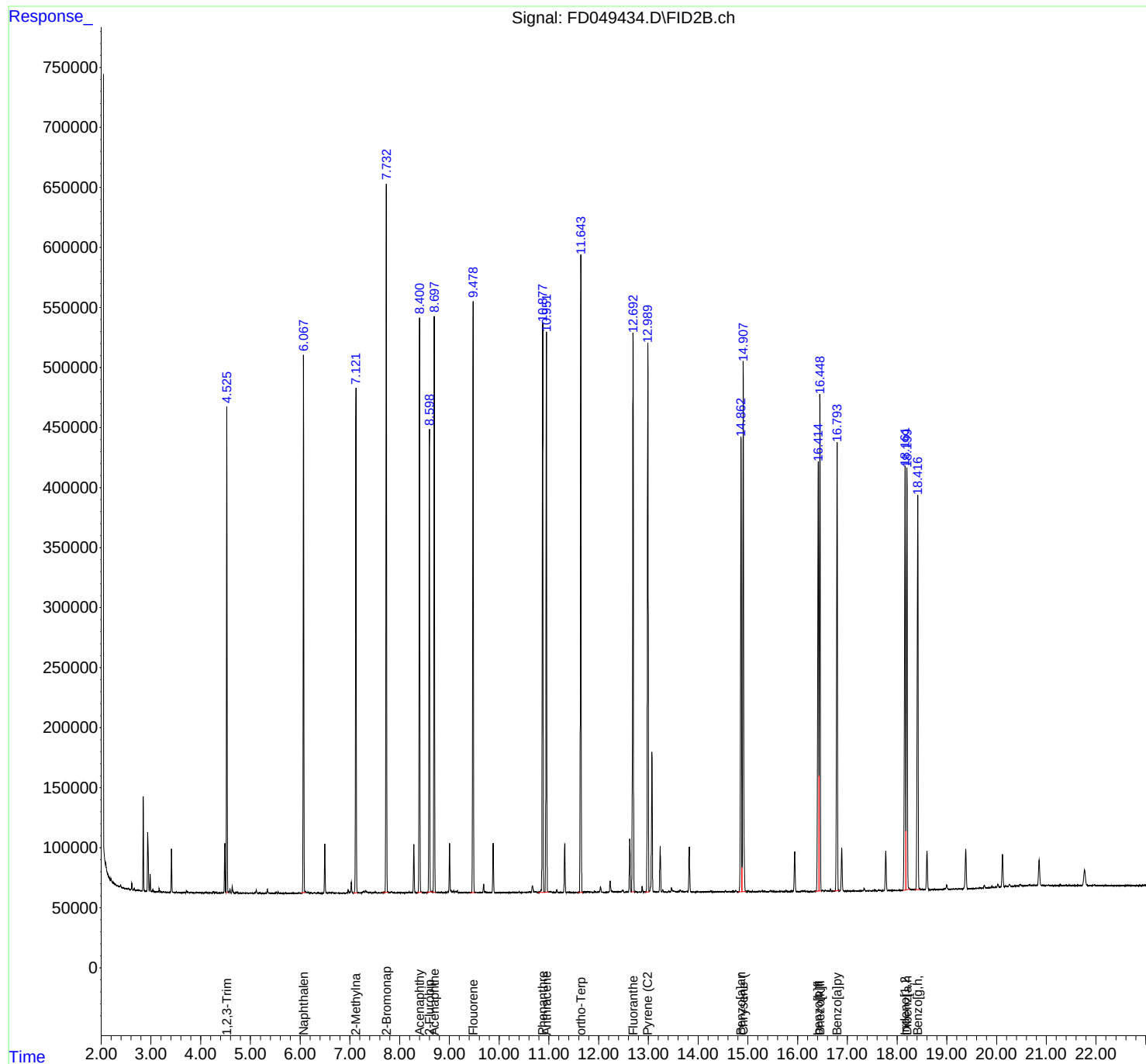
(m)=manual int.

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

Instrument :
FID_D
ClientSampleId :
PB168408BSD

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

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061225AR\
 Data File : FD049434.D
 Signal(s) : FID2B.ch
 Acq On : 11 Jun 2025 17:57
 Sample : PB168408BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.525	4.503	4.551	VV	404430	3411733	60.08%	3.456%
2	6.068	6.012	6.107	BB	447788	4008193	70.59%	4.060%
3	7.122	7.070	7.160	BB	420101	3923959	69.10%	3.974%
4	7.732	7.645	7.778	BB	588507	5575880	98.20%	5.648%
5	8.401	8.350	8.443	BB	479001	4615942	81.29%	4.675%
6	8.598	8.538	8.640	BB	385737	3792496	66.79%	3.841%
7	8.697	8.647	8.727	BB	479926	4650906	81.91%	4.711%
8	9.478	9.417	9.513	BB	491510	4894839	86.20%	4.958%
9	10.877	10.778	10.915	BV	474293	5044883	88.84%	5.110%
10	10.952	10.915	10.998	PB	466393	4860253	85.59%	4.923%
11	11.643	11.582	11.688	BB	531375	5678306	100.00%	5.751%
12	12.692	12.650	12.732	BB	464799	5099467	89.81%	5.165%
13	12.990	12.932	13.015	BV	457377	5104528	89.90%	5.170%
14	14.863	14.797	14.882	BV	378192	4803591	84.60%	4.865%
15	14.906	14.882	14.963	VB	441990	5280312	92.99%	5.348%
16	16.414	16.350	16.429	BV	357432	4810805	84.72%	4.873%
17	16.449	16.429	16.483	VB	413478	4785489	84.28%	4.847%
18	16.794	16.732	16.837	BB	373242	4627157	81.49%	4.687%
19	18.161	18.110	18.176	BV	352299	4768815	83.98%	4.830%
20	18.199	18.176	18.255	VB	352003	4476908	78.84%	4.535%
21	18.416	18.352	18.465	BB	328881	4514892	79.51%	4.573%
Sum of corrected areas:							98729354	

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-187-SB01MS	SDG No.:	Q2177
Lab Sample ID:	Q2177-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:45	06/11/25 22:09	PB168408

Datafile

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-187-SB01MS	SDG No.:	Q2177
Lab Sample ID:	Q2177-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069165.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	7.50		0.17	1.19	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	9.37		0.13	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.98		0.15	1.19	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	17.2		0.63	1.58	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.5		1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	69.3		40 - 140	139%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2177-02MS	Acq On:	11 Jun 2025 22:09
Client Sample ID:	Q2177-02MS	Operator:	YP/AJ
Data file:	FC069165.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.605	10028434	94.861	300	ug/ml
Aliphatic C12-C16	6.606	10.010	12078324	118.432	200	ug/ml
Aliphatic C16-C21	10.011	13.380	11106710	113.49	300	ug/ml
Aliphatic C21-C28	13.381	17.048	20368594	217.14	400	ug/ml
Aliphatic C28-C40	17.049	22.033	26847943	284.289	600	ug/ml
Aliphatic EPH	3.303	22.033	80430005	828.211		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.118	13.118	6218026	69.31		ug/ml
Aliphatic C9-C28	3.303	17.048	53582062	543.923	1200	ug/ml

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

Instrument :
 FID_C
 ClientSampleId :
 B-187-SB01MS

Manual Integrations
 APPROVED

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

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

(m)=manual int.

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

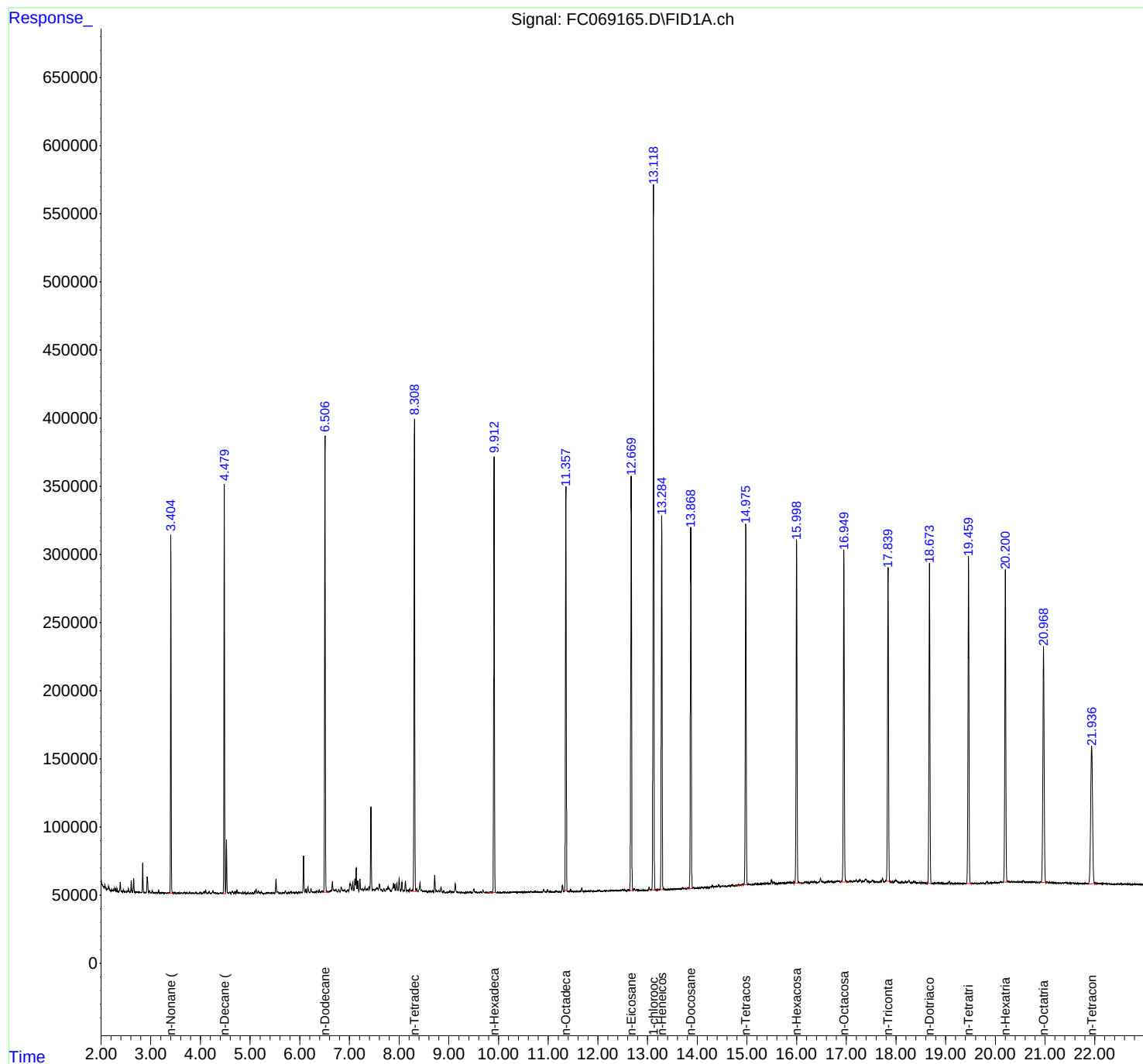
Instrument :
FID_C
ClientSampleId :
B-187-SB01MS

Manual Integrations
APPROVED

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

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

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



Instrument :

FID_C

ClientSampleId :

B-187-SB01MS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

rteres

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

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.229	3.204	3.274	BV	192	3866	0.06%	0.004%
2	3.297	3.274	3.322	VV	207	2307	0.04%	0.003%
3	3.331	3.322	3.371	PV	80	1417	0.02%	0.002%
4	3.404	3.371	3.511	VV	262390	2198132	35.07%	2.533%
5	3.534	3.511	3.571	VV	277	5207	0.08%	0.006%
6	3.608	3.571	3.632	VV	406	6389	0.10%	0.007%
7	3.683	3.632	3.704	PV	646	12875	0.21%	0.015%
8	3.733	3.704	3.757	VV	588	9256	0.15%	0.011%
9	3.782	3.757	3.832	VV	876	15252	0.24%	0.018%
10	3.851	3.832	3.871	VV	328	5095	0.08%	0.006%
11	3.878	3.871	3.888	VV	122	1047	0.02%	0.001%
12	3.904	3.888	3.942	VV	747	10848	0.17%	0.012%
13	3.954	3.942	3.968	VV	234	2047	0.03%	0.002%
14	3.991	3.968	4.041	VV	662	14329	0.23%	0.017%
15	4.078	4.041	4.092	VV	1751	22085	0.35%	0.025%
16	4.107	4.092	4.126	VV	2388	22447	0.36%	0.026%
17	4.141	4.126	4.155	VV	475	5291	0.08%	0.006%
18	4.175	4.155	4.198	VV	1723	17515	0.28%	0.020%
19	4.247	4.198	4.275	VV	1361	27156	0.43%	0.031%
20	4.288	4.275	4.366	VV	605	14526	0.23%	0.017%
21	4.398	4.366	4.414	PV	399	6587	0.11%	0.008%
22	4.434	4.414	4.450	VV	413	5121	0.08%	0.006%
23	4.480	4.450	4.505	VV	300087	2683790	42.82%	3.092%
24	4.524	4.505	4.568	VV	39526	359419	5.73%	0.414%
25	4.586	4.568	4.613	VV	1205	16785	0.27%	0.019%
26	4.634	4.613	4.670	VV	1532	30047	0.48%	0.035%
27	4.684	4.670	4.693	VV	723	7816	0.12%	0.009%
28	4.706	4.693	4.721	VV	1150	12210	0.19%	0.014%
29	4.735	4.721	4.753	VV	2673	24726	0.39%	0.028%
30	4.767	4.753	4.779	VV	1002	10081	0.16%	0.012%
31	4.789	4.779	4.805	VV	734	8980	0.14%	0.010%
32	4.814	4.805	4.828	VV	570	5480	0.09%	0.006%
33	4.856	4.828	4.874	VV	830	11835	0.19%	0.014%
34	4.897	4.874	4.917	VV	755	10730	0.17%	0.012%
35	4.931	4.917	4.948	VV	314	4680	0.07%	0.005%
36	4.960	4.948	4.982	VV	711	7467	0.12%	0.009%

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

Instrument :

FID_C

ClientSampleId :

B-187-SB01MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Instrument :

FID_C

ClientSampleId :

B-187-SB01MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

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

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

Instrument :

FID_C

ClientSampleId :

B-187-SB01MS

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Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Instrument :

FID_C

ClientSampleId :

B-187-SB01MS

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

Manual IntegrationsAPPROVED

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

Instrument :

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B-187-SB01MS

Manual IntegrationsAPPROVED

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300	19.245	19.228	19.286	VV	2249	74206	1.18%	0.086%
301	19.302	19.286	19.323	VV	2236	45920		
302	19.334	19.323	19.361	VV	2128	45343		
303	19.374	19.361	19.412	VV	2120	59766		
304	19.459	19.412	19.557	VV	240667	3474999	55	
305	19.585	19.557	19.607	VV	2209	61631		
306	19.619	19.607	19.635	VV	2149	34717	0.55%	0.040%
307	19.646	19.635	19.655	VV	2111	23656	0.38%	0.027%
308	19.662	19.655	19.668	VV	2088	15933	0.25%	0.018%
309	19.698	19.668	19.721	VV	2247	68616	1.09%	0.079%
310	19.739	19.721	19.798	VV	2262	97422	1.55%	0.112%
311	19.834	19.798	19.858	VV	3131	91800	1.46%	0.106%
312	19.874	19.858	19.896	VV	2258	48827	0.78%	0.056%
313	19.905	19.896	19.921	VV	2221	33645	0.54%	0.039%
314	19.938	19.921	19.949	VV	2327	37203	0.59%	0.043%
315	19.962	19.949	19.973	VV	2365	33473	0.53%	0.039%
316	19.989	19.973	20.002	VV	2483	40184	0.64%	0.046%
317	20.015	20.002	20.032	VV	2433	41467	0.66%	0.048%
318	20.063	20.032	20.073	VV	2468	59406	0.95%	0.068%
319	20.106	20.073	20.134	VV	2864	95734	1.53%	0.110%
320	20.201	20.134	20.260	VV	231359	3418291	54.54%	3.939%
321	20.273	20.260	20.315	VV	3047	94966	1.52%	0.109%
322	20.334	20.315	20.368	VV	2888	89139	1.42%	0.103%
323	20.375	20.368	20.401	VV	2892	56197	0.90%	0.065%
324	20.406	20.401	20.431	VV	2817	49516	0.79%	0.057%
325	20.458	20.431	20.484	VV	2803	87491	1.40%	0.101%
326	20.493	20.484	20.523	VV	2737	61131	0.98%	0.070%
327	20.562	20.523	20.612	VV	3453	146497	2.34%	0.169%
328	20.629	20.612	20.654	VV	2547	61451	0.98%	0.071%
329	20.684	20.654	20.696	VV	2510	60915	0.97%	0.070%
330	20.714	20.696	20.728	VV	2522	47432	0.76%	0.055%
331	20.738	20.728	20.774	VV	2470	66841	1.07%	0.077%
332	20.784	20.774	20.814	VV	2405	55631	0.89%	0.064%
333	20.824	20.814	20.833	VV	2271	24139	0.39%	0.028%
334	20.840	20.833	20.861	VV	2272	37629	0.60%	0.043%
335	20.867	20.861	20.891	VV	2200	37027	0.59%	0.043%
336	20.969	20.891	21.058	VV	175198	3277044	52.28%	3.776%
337	21.065	21.058	21.096	VV	2110	45765	0.73%	0.053%
338	21.105	21.096	21.184	VV	1864	96043	1.53%	0.111%
339	21.194	21.184	21.248	VV	1749	60410	0.96%	0.070%
340	21.261	21.248	21.344	VV	1521	81641	1.30%	0.094%
341	21.417	21.344	21.494	VV	1938	127927	2.04%	0.147%
342	21.503	21.494	21.549	VV	1287	40445	0.65%	0.047%
343	21.560	21.549	21.590	VV	1319	29122	0.46%	0.034%
344	21.604	21.590	21.651	VV	1124	38304	0.61%	0.044%
345	21.657	21.651	21.761	VV	1004	57619	0.92%	0.066%
346	21.803	21.761	21.854	VV	916	45346	0.72%	0.052%
347	21.938	21.854	22.064	VV	101314	2740903	43.73%	3.158%
348	22.071	22.064	22.116	VV	854	20232	0.32%	0.023%
349	22.128	22.116	22.161	VV	616	14369	0.23%	0.017%
350	22.189	22.161	22.217	VV	592	16078	0.26%	0.019%
351	22.233	22.217	22.281	VV	493	15762	0.25%	0.018%

Instrument :

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B-187-SB01MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

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					rters		
352	22.289	22.281	22.361	VV	404	11986	0.19% 0.014%
353	22.371	22.361	22.417	VV	171	3173	
354	22.426	22.417	22.439	PV	70	447	
					Sum of corrected areas:		867

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

Instrument :
FID_C
ClientSampleId :
B-187-SB01MS
0.19% 0.014%

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-187-SB01MS	SDG No.:	Q2177
Lab Sample ID:	Q2177-02MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049484.D	1	06/11/25	06/13/25	PB168408

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2177-02MS	Acq On:	13 Jun 2025 09:48
Client Sample ID:	Q2177-02MS	Operator:	YP/AJ
Data file:	FD049484.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.424	6.168	5645060	33.733	200	ug/ml
Aromatic C12-C16	6.169	8.796	10587299	56.458	300	ug/ml
Aromatic C16-C21	8.797	13.086	24624254	133.291	500	ug/ml
Aromatic C21-C36	13.087	18.508	28854300	198.916	800	ug/ml
Aromatic EPH	4.424	18.508	69710913	422.398		ug/ml
2-Bromonaphthalene (SURRE)	7.733	7.733	6278432	37.77		ug/ml
2-Fluorobiphenyl (SURRE)	8.598	8.598	4233429	37.01		ug/ml
ortho-Terphenyl (SURRE)	11.644	11.644	6518438	32.48		ug/ml

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

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

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

Compound	R.T.	Response	Conc Units

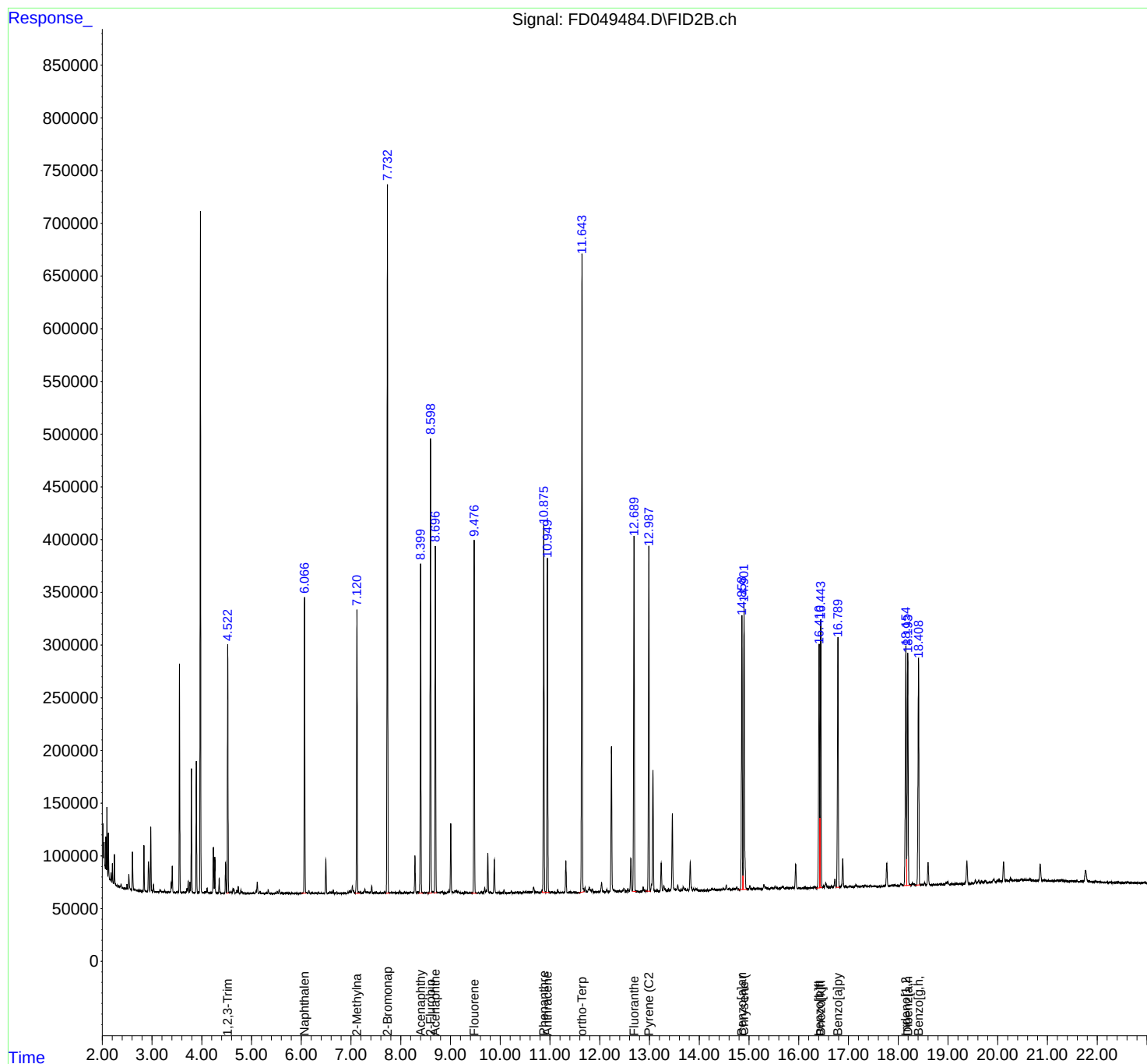
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.733	6278432	37.769 ug/ml
Spiked Amount 50.000		Recovery =	75.54%
6) S 2-Fluorobiphenyl (SURR)	8.598	4233429	37.006 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	74.01%
11) S ortho-Terphenyl (SURR)	11.644	6518438	32.475 ug/ml
Spiked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

(f)=RT Delta > 1/2 Window

(m)=manual int.

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

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



rteres

Area Percent Report

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

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.264	4.252	4.299	PH	34331	290789	4.46%	0.332%
2	4.305	4.299	4.316	PV	152	1228	0.02%	0.001%
3	4.327	4.316	4.333	VV	308	1989	0.03%	0.002%
4	4.351	4.333	4.370	VV	14102	113337	1.74%	0.129%
5	4.373	4.370	4.400	VV	916	6722	0.10%	0.008%
6	4.413	4.400	4.418	PV	296	1644	0.03%	0.002%
7	4.435	4.418	4.452	VV	386	4444	0.07%	0.005%
8	4.480	4.452	4.500	PV	29279	261127	4.00%	0.298%
9	4.522	4.500	4.547	VV	236107	2040777	31.28%	2.329%
10	4.559	4.547	4.571	VV	1043	11477	0.18%	0.013%
11	4.588	4.571	4.609	VV	2032	27337	0.42%	0.031%
12	4.629	4.609	4.640	VV	4889	52976	0.81%	0.060%
13	4.648	4.640	4.667	VV	4080	39004	0.60%	0.045%
14	4.704	4.667	4.718	VV	3319	37045	0.57%	0.042%
15	4.734	4.718	4.755	VV	6562	63912	0.98%	0.073%
16	4.761	4.755	4.769	VV	449	3080	0.05%	0.004%
17	4.787	4.769	4.802	VV	3537	32959	0.51%	0.038%
18	4.814	4.802	4.837	VV	1626	18067	0.28%	0.021%
19	4.850	4.837	4.874	VV	724	9080	0.14%	0.010%
20	4.902	4.882	4.908	PV	260	2298	0.04%	0.003%
21	4.928	4.908	4.949	VV	541	6496	0.10%	0.007%
22	4.953	4.949	4.966	VV	329	2115	0.03%	0.002%
23	4.978	4.966	5.006	VV	292	5119	0.08%	0.006%
24	5.043	5.006	5.072	VV	767	15911	0.24%	0.018%
25	5.089	5.072	5.099	VV	2483	24024	0.37%	0.027%
26	5.115	5.099	5.145	VV	11000	117620	1.80%	0.134%
27	5.173	5.145	5.209	VV	2340	31768	0.49%	0.036%
28	5.219	5.209	5.239	VV	605	6583	0.10%	0.008%
29	5.278	5.263	5.290	VV	461	4690	0.07%	0.005%
30	5.305	5.290	5.316	VV	766	7918	0.12%	0.009%
31	5.335	5.316	5.387	VV	3956	47398	0.73%	0.054%
32	5.396	5.387	5.404	VV	369	3487	0.05%	0.004%
33	5.407	5.404	5.426	VV	326	2908	0.04%	0.003%
34	5.432	5.426	5.457	PV	231	3034	0.05%	0.003%
35	5.481	5.457	5.500	VV	641	11060	0.17%	0.013%
36	5.517	5.500	5.534	VV	2453	24541	0.38%	0.028%

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

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

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

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

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

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

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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-187-SB01MSD	SDG No.:	Q2177
Lab Sample ID:	Q2177-02MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:45	06/11/25 22:50	PB168408

Datafile

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-187-SB01MSD	SDG No.:	Q2177
Lab Sample ID:	Q2177-02MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069166.D	1	06/11/25	06/11/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
	Aliphatic C9-C12	7.51		0.17	1.19	mg/kg
	Aliphatic C12-C16	9.32		0.13	0.79	mg/kg
	Aliphatic C16-C21	8.85		0.15	1.19	mg/kg
	Aliphatic C21-C28	16.7		0.63	1.58	mg/kg
	Aliphatic C28-C40	22.3		1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	68.0		40 - 140	136%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2177-02MSD	Acq On:	11 Jun 2025 22:50
Client Sample ID:	Q2177-02MSD	Operator:	YP/AJ
Data file:	FC069166.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

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

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

Instrument :
 FID_C
 ClientSampleId :
 B-187-SB01MSD

Manual Integrations
 APPROVED

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

Integration File: autoint1.e
 Quant Time: Jun 12 06:06:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

(m)=manual int.

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

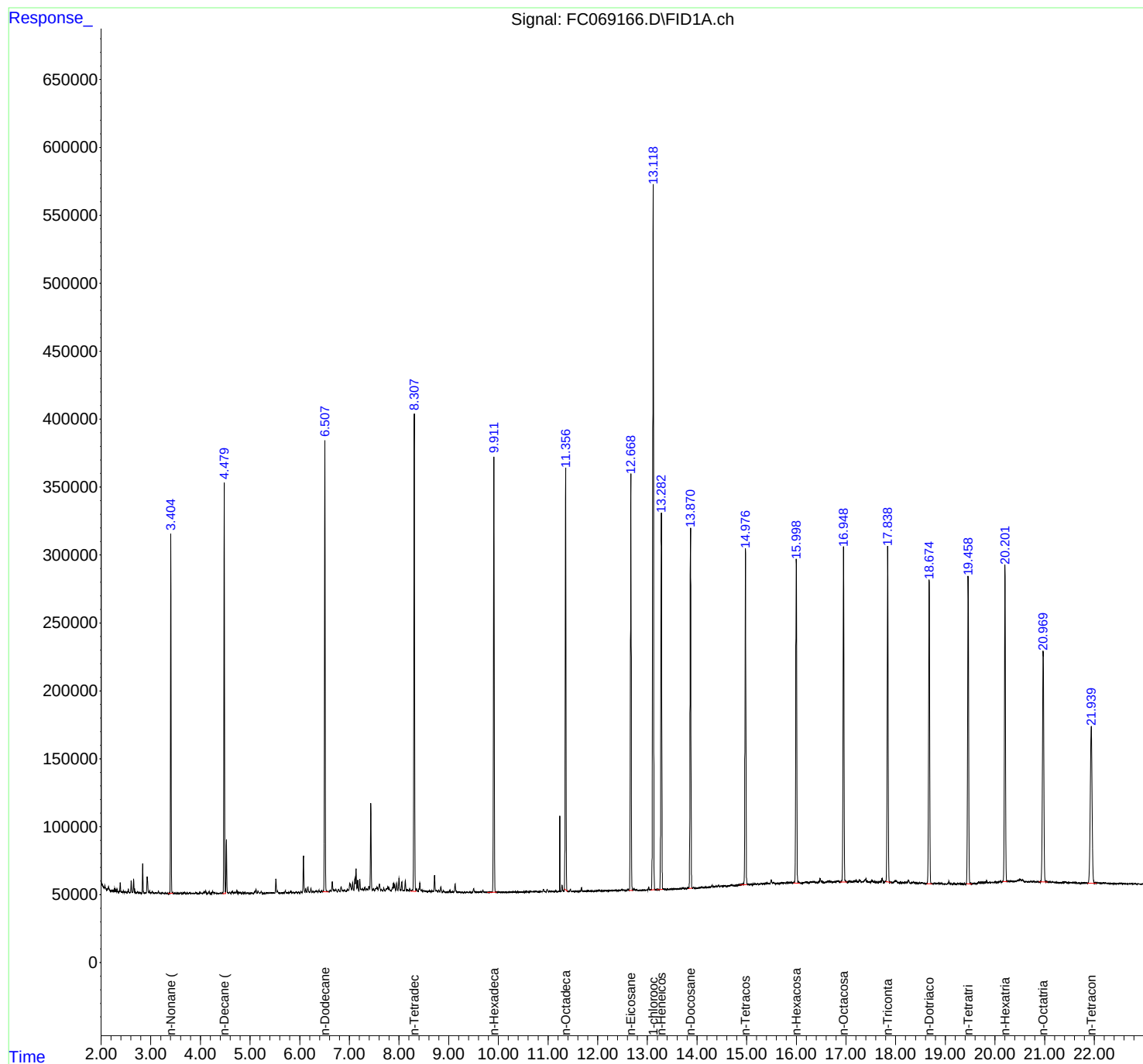
Instrument :
FID_C
ClientSampleId :
B-187-SB01MSD

Manual Integrations
APPROVED

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

Integration File: autoint1.e
Quant Time: Jun 12 06:06:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rtres

Instrument :

FID_C

ClientSampleId :

B-187-SB01MSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

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

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.229	3.204	3.243	BV	373	3610	0.06%	0.004%
2	3.252	3.243	3.281	VV	183	2110	0.03%	0.002%
3	3.299	3.281	3.325	VV	185	2590	0.04%	0.003%
4	3.352	3.325	3.364	PV	94	1175	0.02%	0.001%
5	3.404	3.364	3.488	VV	264351	2216208	36.10%	2.585%
6	3.507	3.488	3.521	VV	173	2257	0.04%	0.003%
7	3.529	3.521	3.571	VV	279	4536	0.07%	0.005%
8	3.609	3.571	3.637	VV	444	7355	0.12%	0.009%
9	3.682	3.637	3.708	VV	697	11955	0.19%	0.014%
10	3.732	3.708	3.761	VV	481	7710	0.13%	0.009%
11	3.782	3.761	3.809	PV	816	10927	0.18%	0.013%
12	3.848	3.809	3.870	VV	308	7827	0.13%	0.009%
13	3.904	3.870	3.942	VV	781	12835	0.21%	0.015%
14	3.953	3.942	3.968	VV	222	1957	0.03%	0.002%
15	3.992	3.968	4.039	VV	699	15288	0.25%	0.018%
16	4.078	4.039	4.092	VV	1761	22765	0.37%	0.027%
17	4.107	4.092	4.127	VV	2344	23251	0.38%	0.027%
18	4.143	4.127	4.154	VV	461	5166	0.08%	0.006%
19	4.174	4.154	4.198	VV	1811	18764	0.31%	0.022%
20	4.209	4.198	4.224	VV	212	3032	0.05%	0.004%
21	4.246	4.224	4.275	VV	1485	23918	0.39%	0.028%
22	4.288	4.275	4.365	VV	660	13833	0.23%	0.016%
23	4.398	4.365	4.416	PV	382	6346	0.10%	0.007%
24	4.437	4.416	4.454	VV	389	5687	0.09%	0.007%
25	4.480	4.454	4.505	VV	300503	2704184	44.05%	3.155%
26	4.524	4.505	4.569	VV	39776	363362	5.92%	0.424%
27	4.587	4.569	4.613	VV	1230	15239	0.25%	0.018%
28	4.634	4.613	4.670	VV	1541	29871	0.49%	0.035%
29	4.684	4.670	4.693	VV	723	7060	0.12%	0.008%
30	4.706	4.693	4.720	VV	1103	11295	0.18%	0.013%
31	4.736	4.720	4.753	VV	2512	23513	0.38%	0.027%
32	4.767	4.753	4.779	VV	931	9014	0.15%	0.011%
33	4.790	4.779	4.805	VV	748	9153	0.15%	0.011%
34	4.813	4.805	4.830	VV	549	5374	0.09%	0.006%
35	4.856	4.830	4.875	VV	779	10714	0.17%	0.012%
36	4.896	4.875	4.915	VV	682	9321	0.15%	0.011%

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

Instrument :

FID_C

ClientSampleId :

B-187-SB01MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

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

Instrument :

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ClientSampleId :

B-187-SB01MSD

0.83% 0.060%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

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

Instrument :

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ClientSampleId :

B-187-SB01MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

195	12.875	12.861	12.894	VV	306	4532	0.07%	0.005%
196	12.922	12.894	12.959	VV	441	12295		
197	12.981	12.959	13.003	VV	337	7993		
198	13.029	13.003	13.055	VV	2514	35645		
199	13.118	13.055	13.201	VV	515763	6138838	100	
200	13.223	13.201	13.243	VV	827	14542		
201	13.282	13.243	13.316	VV	277680	3328588	54.22%	3.883%
202	13.332	13.316	13.353	VV	1200	19496	0.32%	0.023%
203	13.377	13.353	13.431	VV	746	28520	0.46%	0.033%
204	13.454	13.431	13.472	VV	916	17087	0.28%	0.020%
205	13.514	13.472	13.528	VV	775	24411	0.40%	0.028%
206	13.551	13.528	13.560	VV	998	16882	0.28%	0.020%
207	13.573	13.560	13.613	VV	946	27462	0.45%	0.032%
208	13.628	13.613	13.641	VV	1002	14634	0.24%	0.017%
209	13.659	13.641	13.678	VV	1316	22596	0.37%	0.026%
210	13.712	13.678	13.753	VV	1561	52201	0.85%	0.061%
211	13.763	13.753	13.796	VV	1076	26518	0.43%	0.031%
212	13.816	13.796	13.831	VV	1849	31554	0.51%	0.037%
213	13.869	13.831	13.908	VV	270501	3335961	54.34%	3.892%
214	13.927	13.908	13.945	VV	1724	32669	0.53%	0.038%
215	13.957	13.945	13.969	VV	1298	17934	0.29%	0.021%
216	13.998	13.969	14.010	VV	1421	32444	0.53%	0.038%
217	14.022	14.010	14.043	VV	1412	27108	0.44%	0.032%
218	14.097	14.043	14.128	VV	2011	82653	1.35%	0.096%
219	14.162	14.128	14.176	VV	1757	46819	0.76%	0.055%
220	14.193	14.176	14.218	VV	1756	41486	0.68%	0.048%
221	14.264	14.218	14.273	VV	1941	57602	0.94%	0.067%
222	14.304	14.273	14.326	VV	3307	77653	1.26%	0.091%
223	14.336	14.326	14.358	VV	2203	40072	0.65%	0.047%
224	14.385	14.358	14.409	VV	2815	70199	1.14%	0.082%
225	14.431	14.409	14.462	VV	3200	80542	1.31%	0.094%
226	14.501	14.462	14.519	VV	2577	80346	1.31%	0.094%
227	14.571	14.519	14.591	VV	2546	104063	1.70%	0.121%
228	14.597	14.591	14.607	VV	2373	22805	0.37%	0.027%
229	14.637	14.607	14.664	VV	2786	86826	1.41%	0.101%
230	14.695	14.664	14.742	VV	3401	135001	2.20%	0.157%
231	14.753	14.742	14.768	VV	2661	42042	0.68%	0.049%
232	14.831	14.768	14.847	VV	3455	136739	2.23%	0.160%
233	14.915	14.847	14.936	VV	3839	181828	2.96%	0.212%
234	14.975	14.936	15.012	VV	248925	3417253	55.67%	3.986%
235	15.027	15.012	15.045	VV	3880	71820	1.17%	0.084%
236	15.055	15.045	15.072	VV	3524	53536	0.87%	0.062%
237	15.083	15.072	15.095	VV	3312	45089	0.73%	0.053%
238	15.112	15.095	15.134	VV	3374	76365	1.24%	0.089%
239	15.165	15.134	15.211	VV	3838	161758	2.63%	0.189%
240	15.224	15.211	15.239	VV	3821	60313	0.98%	0.070%
241	15.252	15.239	15.268	VV	3670	61762	1.01%	0.072%
242	15.294	15.268	15.314	VV	4015	105409	1.72%	0.123%
243	15.324	15.314	15.341	VV	3836	59852	0.97%	0.070%
244	15.414	15.341	15.467	VV	4234	291395	4.75%	0.340%
245	15.494	15.467	15.523	VV	6418	164335	2.68%	0.192%
246	15.540	15.523	15.585	VV	4513	150975	2.46%	0.176%

Instrument :

FID_C

ClientSampleId :

B-187-SB01MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

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

Instrument :

FID_C

ClientSampleId :

B-187-SB01MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

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

Instrument :

FID_C

ClientSampleId :

B-187-SB01MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

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

Sum of corrected areas: 85722590

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

Instrument :
FID_C
ClientSampleId :
B-187-SB01MSD

Manual IntegrationsAPPROVED

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-187-SB01MSD	SDG No.:	Q2177
Lab Sample ID:	Q2177-02MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049485.D	1	06/11/25	06/13/25	PB168408

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

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2177-02MSD	Acq On:	13 Jun 2025 10:28
Client Sample ID:	Q2177-02MSD	Operator:	YP/AJ
Data file:	FD049485.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.424	6.168	5780149	34.54	200	ug/ml
Aromatic C12-C16	6.169	8.796	10942801	58.354	300	ug/ml
Aromatic C16-C21	8.797	13.086	24851315	134.52	500	ug/ml
Aromatic C21-C36	13.087	18.508	28939612	199.504	800	ug/ml
Aromatic EPH	4.424	18.508	70513877	426.918		ug/ml
2-Bromonaphthalene (SURRE)	7.733	7.733	6422490	38.64		ug/ml
2-Fluorobiphenyl (SURRE)	8.599	8.599	4310794	37.68		ug/ml
ortho-Terphenyl (SURRE)	11.644	11.644	6612603	32.94		ug/ml

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

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

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

Compound	R.T.	Response	Conc Units

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

(f)=RT Delta > 1/2 Window

(m)=manual int.

rteres

Area Percent Report

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

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.265	4.252	4.308	PH	33372	289960	4.36%	0.327%
2	4.323	4.308	4.331	PV	317	2173	0.03%	0.002%
3	4.352	4.331	4.370	PV	14111	111883	1.68%	0.126%
4	4.373	4.370	4.404	VV	899	8077	0.12%	0.009%
5	4.414	4.404	4.425	VV	230	2074	0.03%	0.002%
6	4.430	4.425	4.451	VV	545	3278	0.05%	0.004%
7	4.481	4.458	4.502	PV	30062	265773	3.99%	0.299%
8	4.524	4.502	4.549	VV	242594	2080660	31.25%	2.343%
9	4.562	4.549	4.572	VV	1174	12949	0.19%	0.015%
10	4.586	4.572	4.610	VV	2354	30661	0.46%	0.035%
11	4.630	4.610	4.641	VV	5058	54585	0.82%	0.061%
12	4.650	4.641	4.677	VV	4281	42921	0.64%	0.048%
13	4.706	4.677	4.719	VV	3330	34594	0.52%	0.039%
14	4.736	4.719	4.758	VV	6495	61886	0.93%	0.070%
15	4.788	4.758	4.804	VV	3495	32077	0.48%	0.036%
16	4.815	4.804	4.842	VV	1585	18625	0.28%	0.021%
17	4.853	4.842	4.885	VV	834	9747	0.15%	0.011%
18	4.899	4.885	4.914	PV	253	2744	0.04%	0.003%
19	4.927	4.914	4.944	VV	575	5406	0.08%	0.006%
20	4.954	4.944	4.966	VV	293	2869	0.04%	0.003%
21	4.978	4.966	4.982	VV	447	2857	0.04%	0.003%
22	4.986	4.982	5.006	VV	509	4825	0.07%	0.005%
23	5.038	5.006	5.066	VV	758	15795	0.24%	0.018%
24	5.090	5.066	5.099	VV	2455	24217	0.36%	0.027%
25	5.116	5.099	5.148	VV	11171	121229	1.82%	0.137%
26	5.173	5.148	5.209	VV	2332	31720	0.48%	0.036%
27	5.224	5.209	5.242	VV	663	8477	0.13%	0.010%
28	5.247	5.242	5.259	VV	313	1374	0.02%	0.002%
29	5.294	5.259	5.298	PV	612	8256	0.12%	0.009%
30	5.307	5.298	5.322	VV	798	7032	0.11%	0.008%
31	5.337	5.322	5.382	VV	4136	44625	0.67%	0.050%
32	5.395	5.382	5.428	VV	541	8839	0.13%	0.010%
33	5.440	5.428	5.450	VV	332	2147	0.03%	0.002%
34	5.483	5.450	5.497	VV	770	10926	0.16%	0.012%
35	5.517	5.497	5.535	VV	2524	27752	0.42%	0.031%
36	5.559	5.535	5.602	VV	4058	56388	0.85%	0.064%

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

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

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

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

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

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

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

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



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

Manual Integration Report

Sequence:

FC052425AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC069003.D	n-Octacosane (C28)	yogesh	5/27/2025 7:30:02 AM	mohammad	5/28/2025 1:48:12	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069003.D	n-Tetracosane (C24)	yogesh	5/27/2025 7:30:02 AM	mohammad	5/28/2025 1:48:12	Peak Integrated by Software

Manual Integration Report

Sequence:

FC060925AL

Instrument

FID_c

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

Manual Integration Report

Sequence:

FC060925AL

Instrument

FID_c

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

Manual Integration Report

Sequence:

FC061125AL

Instrument

FID_c

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

Manual Integration Report

Sequence:

FC061125AL

Instrument

FID_c

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

Manual Integration Report

Sequence:

FC061125AL

Instrument

FID_c

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

Manual Integration Report

Sequence:	FC061225AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC069183.D	n-Octacosane (C28)	yogesh	6/13/2025 7:21:40 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069183.D	n-Octadecane (C18)	yogesh	6/13/2025 7:21:40 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069183.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:40 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069183.D	n-Tetracosane (C24)	yogesh	6/13/2025 7:21:40 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2177-02MS	FC069188.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:42 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2177-02MSD	FC069189.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:44 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069191.D	n-Hexacosane (C26)	yogesh	6/13/2025 7:21:45 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069191.D	n-Octatriacontane (C38)	yogesh	6/13/2025 7:21:45 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069191.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:45 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069191.D	n-Tetracosane (C24)	yogesh	6/13/2025 7:21:45 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
PB168441BS	FC069193.D	n-Decane (C10)	yogesh	6/13/2025 7:21:47 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
PB168441BS	FC069193.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:47 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
PB168441BSD	FC069194.D	n-Decane (C10)	yogesh	6/13/2025 7:21:49 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software

Manual Integration Report

Sequence:

FC061225AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168441BSD	FC069194.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:49 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2126-03	FC069196.D	n-Docosane (C22)	yogesh	6/13/2025 7:21:50 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2126-03	FC069196.D	n-Dodecane (C12)	yogesh	6/13/2025 7:21:50 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2126-03	FC069196.D	n-Hexadecane (C16)	yogesh	6/13/2025 7:21:50 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2126-03	FC069196.D	n-Octadecane (C18)	yogesh	6/13/2025 7:21:50 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2126-03	FC069196.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:50 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2126-09	FC069197.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:52 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
Q2126-09	FC069197.D	n-Tetracosane (C24)	yogesh	6/13/2025 7:21:52 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069200.D	n-Octadecane (C18)	yogesh	6/13/2025 7:21:54 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069200.D	n-Tetracontane (C40)	yogesh	6/13/2025 7:21:54 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC069200.D	n-Tetracosane (C24)	yogesh	6/13/2025 7:21:54 AM	mohammad	6/16/2025 2:08:18	Peak Integrated by Software

Manual Integration Report

Sequence:

FD052425AR

Instrument

FID_d

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



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Manual Integration Report

Sequence:

FD060925AR

Instrument

FID_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

FD061125AR

Instrument

FID_d

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

Manual Integration Report

Sequence:

FD061125AR

Instrument

FID_d

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

Manual Integration Report

Sequence:

FD061225AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2126-03	FD049468.D	Phenanthrene (C19.36)	yogesh	6/13/2025 7:23:37 AM	mohammad	6/16/2025 2:08:44	Peak Integrated by Software
Q2286-03	FD049470.D	ortho-Terphenyl (SURR)	yogesh	6/13/2025 7:23:39 AM	mohammad	6/16/2025 2:08:44	Peak Integrated by Software



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Manual Integration Report

Sequence:

FD061325AR

Instrument

FID_d

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC052425AL

Review By	yogesh	Review On	5/23/2025 12:24:51 PM
Supervise By	mohammad	Supervise On	5/28/2025 1:48:12 AM
SubDirectory	FC052425AL	HP Acquire Method	HP Processing Method FC052425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068996.D	23 May 2025 12:58	YP/AJ	Ok
2	I.BLK	FC068997.D	23 May 2025 13:35	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068998.D	23 May 2025 14:12	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068999.D	23 May 2025 14:50	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC069000.D	23 May 2025 15:28	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC069001.D	23 May 2025 16:05	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC069002.D	23 May 2025 16:43	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC069003.D	23 May 2025 17:20	YP/AJ	Ok,M
9	I.BLK	FC069004.D	23 May 2025 18:36	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069005.D	23 May 2025 19:13	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC060925AL

Review By	yogesh	Review On	6/9/2025 12:18:01 PM
Supervise By	mohammad	Supervise On	6/11/2025 2:15:53 AM
SubDirectory	FC060925AL	HP Acquire Method	HP Processing Method FC052425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069131.D	09 Jun 2025 09:27	YP/AJ	Ok
2	I.BLK	FC069132.D	09 Jun 2025 10:07	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069133.D	09 Jun 2025 12:17	YP/AJ	Ok,M
4	PB168324BL	FC069134.D	09 Jun 2025 16:17	YP/AJ	Ok
5	PB168324BS	FC069135.D	09 Jun 2025 16:57	YP/AJ	Ok,M
6	PB168324BSD	FC069136.D	09 Jun 2025 17:37	YP/AJ	Ok,M
7	Q2177-08	FC069137.D	09 Jun 2025 18:17	YP/AJ	Ok
8	Q2198-05	FC069138.D	09 Jun 2025 18:58	YP/AJ	Ok
9	I.BLK	FC069139.D	09 Jun 2025 20:20	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC069140.D	09 Jun 2025 21:41	YP/AJ	Ok,M
11	PB168341BL	FC069141.D	09 Jun 2025 22:21	YP/AJ	Ok
12	PB168341BS	FC069142.D	09 Jun 2025 23:02	YP/AJ	Ok,M
13	PB168341BSD	FC069143.D	09 Jun 2025 23:41	YP/AJ	Ok,M
14	Q2265-01	FC069144.D	10 Jun 2025 00:21	YP/AJ	Ok
15	Q2265-01D	FC069145.D	10 Jun 2025 01:00	YP/AJ	Ok
16	Q2265-01MS	FC069146.D	10 Jun 2025 01:39	YP/AJ	Ok,M
17	Q2265-01MSD	FC069147.D	10 Jun 2025 02:19	YP/AJ	Ok,M
18	Q2265-03	FC069148.D	10 Jun 2025 02:58	YP/AJ	Ok
19	I.BLK	FC069149.D	10 Jun 2025 04:16	YP/AJ	Ok
20	20 PPM ALIPHATIC HC STD	FC069150.D	10 Jun 2025 04:55	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC061125AL

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

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC061125AL

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

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

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC061225AL

Review By	yogesh	Review On	6/12/2025 12:40:53 PM
Supervise By	mohammad	Supervise On	6/16/2025 2:08:18 AM
SubDirectory	FC061225AL	HP Acquire Method	HP Processing Method FC052425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24176 PP24174,PP24179		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC069181.D	12 Jun 2025 10:41	YP/AJ	Ok
2	I.BLK	FC069182.D	12 Jun 2025 11:21	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC069183.D	12 Jun 2025 12:02	YP/AJ	Ok,M
4	Q2177-02	FC069184.D	12 Jun 2025 12:59	YP/AJ	Ok
5	Q2177-06	FC069185.D	12 Jun 2025 13:40	YP/AJ	Ok
6	Q2177-04	FC069186.D	12 Jun 2025 14:21	YP/AJ	Ok
7	Q2177-02D	FC069187.D	12 Jun 2025 15:02	YP/AJ	Ok
8	Q2177-02MS	FC069188.D	12 Jun 2025 15:44	YP/AJ	Not Ok
9	Q2177-02MSD	FC069189.D	12 Jun 2025 16:26	YP/AJ	Not Ok
10	I.BLK	FC069190.D	12 Jun 2025 17:08	YP/AJ	Ok
11	20 PPM ALIPHATIC HC STD	FC069191.D	12 Jun 2025 19:18	YP/AJ	Ok,M
12	PB168441BL	FC069192.D	12 Jun 2025 21:22	YP/AJ	Ok
13	PB168441BS	FC069193.D	12 Jun 2025 22:03	YP/AJ	Ok,M
14	PB168441BSD	FC069194.D	12 Jun 2025 22:44	YP/AJ	Ok,M
15	PB148442BL	FC069195.D	12 Jun 2025 23:24	YP/AJ	Ok
16	Q2126-03	FC069196.D	13 Jun 2025 00:04	YP/AJ	Ok,M
17	Q2126-09	FC069197.D	13 Jun 2025 00:44	YP/AJ	Ok,M
18	Q2286-03	FC069198.D	13 Jun 2025 01:24	YP/AJ	Dilution
19	I.BLK	FC069199.D	13 Jun 2025 02:42	YP/AJ	Ok
20	20 PPM ALIPHATIC HC STD	FC069200.D	13 Jun 2025 03:21	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD052425AR

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049392.D	23 May 2025 13:35	YP/AJ	Ok
2	I.BLK	FD049393.D	23 May 2025 14:12	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD049394.D	23 May 2025 14:50	YP/AJ	Ok,M
4	50 PPM AROMATIC HC STD2	FD049395.D	23 May 2025 15:28	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD049396.D	23 May 2025 16:05	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD049397.D	23 May 2025 16:43	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD049398.D	23 May 2025 17:20	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD049399.D	23 May 2025 17:58	YP/AJ	Ok
9	I.BLK	FD049400.D	23 May 2025 19:13	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD049401.D	23 May 2025 19:50	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD060925AR

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

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

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061125AR

Review By	yogesh	Review On	6/11/2025 3:09:24 PM
Supervise By	mohammad	Supervise On	6/13/2025 1:40:17 AM
SubDirectory	FD061125AR	HP Acquire Method	HP Processing Method FD052425AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24503 PP24501,PP24506		

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061125AR

Review By	yogesh	Review On	6/11/2025 3:09:24 PM
Supervise By	mohammad	Supervise On	6/13/2025 1:40:17 AM
SubDirectory	FD061125AR	HP Acquire Method	HP Processing Method FD052425AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC Internal Standard/PEM	PP24503		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24501,PP24506		

22	I.BLK	FD049448.D	12 Jun 2025 04:07	YP/AJ	Ok
23	20 PPM AROMATIC HC STD	FD049449.D	12 Jun 2025 04:46	YP/AJ	Ok
24	PB168409BL	FD049450.D	12 Jun 2025 06:04	YP/AJ	Ok
25	Q2126-07	FD049451.D	12 Jun 2025 06:44	YP/AJ	Ok
26	Q2126-07	FD049452.D	12 Jun 2025 07:23	YP/AJ	Ok,M
27	Q2126-08	FD049453.D	12 Jun 2025 08:02	YP/AJ	Ok
28	I.BLK	FD049454.D	12 Jun 2025 08:41	YP/AJ	Ok
29	20 PPM AROMATIC HC STD	FD049455.D	12 Jun 2025 09:21	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061225AR

Review By	yogesh	Review On	6/12/2025 12:41:59 PM
Supervise By	mohammad	Supervise On	6/16/2025 2:08:44 AM
SubDirectory	FD061225AR	HP Acquire Method	HP Processing Method FD052425AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24503 PP24501,PP24506		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049456.D	12 Jun 2025 10:41	YP/AJ	Ok
2	I.BLK	FD049457.D	12 Jun 2025 11:21	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049458.D	12 Jun 2025 12:02	YP/AJ	Ok
4	Q2177-06	FD049459.D	12 Jun 2025 13:40	YP/AJ	Ok
5	Q2177-04	FD049460.D	12 Jun 2025 14:21	YP/AJ	Ok
6	I.BLK	FD049461.D	12 Jun 2025 15:02	YP/AJ	Ok
7	20 PPM AROMATIC HC STD	FD049462.D	12 Jun 2025 15:44	YP/AJ	Ok
8	PB168441BL	FD049463.D	12 Jun 2025 16:26	YP/AJ	Ok
9	PB168441BS	FD049464.D	12 Jun 2025 17:08	YP/AJ	Ok
10	PB168441BSD	FD049465.D	12 Jun 2025 19:18	YP/AJ	Ok
11	Q2177-02	FD049466.D	12 Jun 2025 19:59	YP/AJ	Not Ok
12	PB168442BL	FD049467.D	12 Jun 2025 20:41	YP/AJ	Ok
13	Q2126-03	FD049468.D	12 Jun 2025 21:22	YP/AJ	Ok,M
14	Q2126-09	FD049469.D	12 Jun 2025 22:03	YP/AJ	Ok
15	Q2286-03	FD049470.D	12 Jun 2025 22:44	YP/AJ	Dilution
16	I.BLK	FD049471.D	12 Jun 2025 23:24	YP/AJ	Ok
17	20 PPM AROMATIC HC STD	FD049472.D	13 Jun 2025 00:04	YP/AJ	Ok
18	Q2177-02	FD049473.D	13 Jun 2025 01:24	YP/AJ	Not Ok
19	Q2177-02D	FD049474.D	13 Jun 2025 02:03	YP/AJ	Not Ok
20	Q2177-02MS	FD049475.D	13 Jun 2025 02:42	YP/AJ	Not Ok
21	Q2177-02MSD	FD049476.D	13 Jun 2025 03:21	YP/AJ	Not Ok

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061225AR

Review By	yogesh	Review On	6/12/2025 12:41:59 PM
Supervise By	mohammad	Supervise On	6/16/2025 2:08:44 AM
SubDirectory	FD061225AR	HP Acquire Method	HP Processing Method FD052425AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC Internal Standard/PEM	PP24503		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24501,PP24506		

22	I.BLK	FD049477.D	13 Jun 2025 04:00	YP/AJ	Ok
23	20 PPM AROMATIC HC STD	FD049478.D	13 Jun 2025 04:39	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061325AR

Review By	yogesh	Review On	6/13/2025 10:27:20 AM
Supervise By		Supervise On	
SubDirectory	FD061325AR	HP Acquire Method	HP Processing Method FD052425AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC Internal Standard/PEM	PP24503		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24501,PP24506		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049479.D	13 Jun 2025 06:29	YP/AJ	Ok
2	I.BLK	FD049480.D	13 Jun 2025 07:07	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049481.D	13 Jun 2025 07:46	YP/AJ	Ok
4	Q2177-02	FD049482.D	13 Jun 2025 08:25	YP/AJ	Ok
5	Q2177-02D	FD049483.D	13 Jun 2025 09:04	YP/AJ	Ok
6	Q2177-02MS	FD049484.D	13 Jun 2025 09:48	YP/AJ	Ok
7	Q2177-02MSD	FD049485.D	13 Jun 2025 10:28	YP/AJ	Ok
8	Q2286-03DL	FD049486.D	13 Jun 2025 11:07	YP/AJ	Dilution
9	Q2286-03DL2	FD049487.D	13 Jun 2025 11:47	YP/AJ	Ok
10	I.BLK	FD049488.D	13 Jun 2025 12:26	YP/AJ	Ok
11	20 PPM AROMATIC HC STD	FD049489.D	13 Jun 2025 13:06	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC052425AL

Review By	yogesh	Review On	5/23/2025 12:24:51 PM
Supervise By	mohammad	Supervise On	5/28/2025 1:48:12 AM
SubDirectory	FC052425AL	HP Acquire Method	HP Processing Method FC052425AL

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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068996.D	23 May 2025 12:58		YP/AJ	Ok
2	I.BLK	I.BLK	FC068997.D	23 May 2025 13:35		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC068998.D	23 May 2025 14:12		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068999.D	23 May 2025 14:50		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069000.D	23 May 2025 15:28		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC069001.D	23 May 2025 16:05		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC069002.D	23 May 2025 16:43		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069003.D	23 May 2025 17:20		YP/AJ	Ok,M
9	I.BLK	I.BLK	FC069004.D	23 May 2025 18:36		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069005.D	23 May 2025 19:13		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC060925AL

Review By	yogesh	Review On	6/9/2025 12:18:01 PM
Supervise By	mohammad	Supervise On	6/11/2025 2:15:53 AM
SubDirectory	FC060925AL	HP Acquire Method	HP Processing Method FC052425AL

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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069131.D	09 Jun 2025 09:27		YP/AJ	Ok
2	I.BLK	I.BLK	FC069132.D	09 Jun 2025 10:07		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069133.D	09 Jun 2025 12:17		YP/AJ	Ok,M
4	PB168324BL	PB168324BL	FC069134.D	09 Jun 2025 16:17		YP/AJ	Ok
5	PB168324BS	PB168324BS	FC069135.D	09 Jun 2025 16:57	naphthalene break down - 0.648, 2-methylnepthalene break down - 0.668	YP/AJ	Ok,M
6	PB168324BSD	PB168324BSD	FC069136.D	09 Jun 2025 17:37	naphthalene break down - 0.725, 2-methylnepthalene break down - 0.817	YP/AJ	Ok,M
7	Q2177-08	EB05312025	FC069137.D	09 Jun 2025 18:17		YP/AJ	Ok
8	Q2198-05	B-202-GW01	FC069138.D	09 Jun 2025 18:58		YP/AJ	Ok
9	I.BLK	I.BLK	FC069139.D	09 Jun 2025 20:20		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069140.D	09 Jun 2025 21:41		YP/AJ	Ok,M
11	PB168341BL	PB168341BL	FC069141.D	09 Jun 2025 22:21		YP/AJ	Ok
12	PB168341BS	PB168341BS	FC069142.D	09 Jun 2025 23:02		YP/AJ	Ok,M
13	PB168341BSD	PB168341BSD	FC069143.D	09 Jun 2025 23:41		YP/AJ	Ok,M
14	Q2265-01	TP11-MHL-WC	FC069144.D	10 Jun 2025 00:21		YP/AJ	Ok
15	Q2265-01D	Q2265-01D	FC069145.D	10 Jun 2025 01:00		YP/AJ	Ok
16	Q2265-01MS	TP11-MHL-WCMS	FC069146.D	10 Jun 2025 01:39	FC069144.D	YP/AJ	Ok,M

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC060925AL

Review By	yogesh	Review On	6/9/2025 12:18:01 PM
Supervise By	mohammad	Supervise On	6/11/2025 2:15:53 AM
SubDirectory	FC060925AL	HP Acquire Method	HP Processing Method FC052425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

17	Q2265-01MSD	TP11-MHL-WCMSD	FC069147.D	10 Jun 2025 02:19	FC069144.D!FC069146.D	YP/AJ	Ok,M
18	Q2265-03	TP11-MHL-EPH	FC069148.D	10 Jun 2025 02:58		YP/AJ	Ok
19	I.BLK	I.BLK	FC069149.D	10 Jun 2025 04:16		YP/AJ	Ok
20	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069150.D	10 Jun 2025 04:55		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC061125AL

Review By	yogesh	Review On	6/11/2025 3:08:31 PM
Supervise By	mohammad	Supervise On	6/13/2025 1:40:04 AM
SubDirectory	FC061125AL	HP Acquire Method	HP Processing Method FC052425AL

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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069154.D	11 Jun 2025 10:11		YP/AJ	Ok
2	I.BLK	I.BLK	FC069155.D	11 Jun 2025 10:51		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069156.D	11 Jun 2025 12:12		YP/AJ	Ok,M
4	PB168408BL	PB168408BL	FC069157.D	11 Jun 2025 16:33		YP/AJ	Ok
5	PB168408BS	PB168408BS	FC069158.D	11 Jun 2025 17:15	naphthalene break down - 0.510, 2-methylnepthalene break down - 0.715	YP/AJ	Ok,M
6	PB168408BSD	PB168408BSD	FC069159.D	11 Jun 2025 17:57	naphthalene break down - 0.674, 2-methylnepthalene break down - 0.938	YP/AJ	Ok,M
7	Q2126-01	LOD-MDL-SOIL-03-QT	FC069160.D	11 Jun 2025 18:39	2.5 PPM SOIL LOD	YP/AJ	Ok,M
8	Q2126-01	LOD-MDL-SOIL-03-QT	FC069161.D	11 Jun 2025 19:23	5 PPM SOIL LOD	YP/AJ	Ok,M
9	Q2126-02	LOQ-SOIL-02-QT2-202	FC069162.D	11 Jun 2025 20:05		YP/AJ	Ok,M
10	Q2177-02	B-187-SB01	FC069163.D	11 Jun 2025 20:47	Surr Fail	YP/AJ	Not Ok
11	Q2177-02D	Q2177-02D	FC069164.D	11 Jun 2025 21:28	Surr Fail	YP/AJ	Not Ok
12	Q2177-02MS	B-187-SB01MS	FC069165.D	11 Jun 2025 22:09	FC069184.D	YP/AJ	Ok,M
13	Q2177-02MSD	B-187-SB01MSD	FC069166.D	11 Jun 2025 22:50	FC069184.D!FC069165.D	YP/AJ	Ok,M
14	I.BLK	I.BLK	FC069167.D	11 Jun 2025 23:29		YP/AJ	Ok
15	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069168.D	12 Jun 2025 00:09		YP/AJ	Ok,M
16	Q2177-04	B-187-SB02	FC069169.D	12 Jun 2025 01:28	Surr Fail	YP/AJ	Not Ok

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC061125AL

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

17	Q2177-06	B-202-SB01	FC069170.D	12 Jun 2025 02:08	Surr Fail	YP/AJ	Not Ok
18	Q2198-01	B-202-SB02	FC069171.D	12 Jun 2025 02:48		YP/AJ	Ok
19	Q2198-03	B-207-SB02	FC069172.D	12 Jun 2025 03:27		YP/AJ	Ok
20	I.BLK	I.BLK	FC069173.D	12 Jun 2025 04:07		YP/AJ	Ok
21	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069174.D	12 Jun 2025 04:46		YP/AJ	Ok,M
22	PB168409BL	PB168409BL	FC069175.D	12 Jun 2025 06:04		YP/AJ	Ok
23	Q2126-07	LOD-MDL-WATER-01-0	FC069176.D	12 Jun 2025 06:44	2.5 PPM WATER LOD	YP/AJ	Ok,M
24	Q2126-07	LOD-MDL-WATER-01-0	FC069177.D	12 Jun 2025 07:23	5 PPM WATER LOD	YP/AJ	Ok,M
25	Q2126-08	LOQ-WATER-02-QT2-2	FC069178.D	12 Jun 2025 08:02		YP/AJ	Ok,M
26	I.BLK	I.BLK	FC069179.D	12 Jun 2025 08:41		YP/AJ	Ok
27	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069180.D	12 Jun 2025 09:21		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC061225AL

Review By	yogesh	Review On	6/12/2025 12:40:53 PM
Supervise By	mohammad	Supervise On	6/16/2025 2:08:18 AM
SubDirectory	FC061225AL	HP Acquire Method	HP Processing Method FC052425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC069181.D	12 Jun 2025 10:41		YP/AJ	Ok
2	I.BLK	I.BLK	FC069182.D	12 Jun 2025 11:21		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069183.D	12 Jun 2025 12:02		YP/AJ	Ok,M
4	Q2177-02	B-187-SB01	FC069184.D	12 Jun 2025 12:59		YP/AJ	Ok
5	Q2177-06	B-202-SB01	FC069185.D	12 Jun 2025 13:40		YP/AJ	Ok
6	Q2177-04	B-187-SB02	FC069186.D	12 Jun 2025 14:21		YP/AJ	Ok
7	Q2177-02D	Q2177-02D	FC069187.D	12 Jun 2025 15:02		YP/AJ	Ok
8	Q2177-02MS	B-187-SB01MS	FC069188.D	12 Jun 2025 15:44		YP/AJ	Not Ok
9	Q2177-02MSD	B-187-SB01MSD	FC069189.D	12 Jun 2025 16:26		YP/AJ	Not Ok
10	I.BLK	I.BLK	FC069190.D	12 Jun 2025 17:08		YP/AJ	Ok
11	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069191.D	12 Jun 2025 19:18		YP/AJ	Ok,M
12	PB168441BL	PB168441BL	FC069192.D	12 Jun 2025 21:22		YP/AJ	Ok
13	PB168441BS	PB168441BS	FC069193.D	12 Jun 2025 22:03	naphthalene break down - 1.050, 2-methylnaphthalene break down - 0.619	YP/AJ	Ok,M
14	PB168441BSD	PB168441BSD	FC069194.D	12 Jun 2025 22:44	naphthalene break down - 1.123, 2-methylnaphthalene break down - 0.510	YP/AJ	Ok,M
15	PB148442BL	PB148442BL	FC069195.D	12 Jun 2025 23:24		YP/AJ	Ok
16	Q2126-03	MDL-SOIL-03-QT2-202	FC069196.D	13 Jun 2025 00:04	2.5 PPM SOIL MDL	YP/AJ	Ok,M

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC061225AL

Review By	yogesh	Review On	6/12/2025 12:40:53 PM
Supervise By	mohammad	Supervise On	6/16/2025 2:08:18 AM
SubDirectory	FC061225AL	HP Acquire Method	HP Processing Method FC052425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC Internal Standard/PEM	PP24176		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24174,PP24179		

17	Q2126-09	MDL-WATER-03-QT2-2	FC069197.D	13 Jun 2025 00:44	2.5 PPM WATER MDL	YP/AJ	Ok,M
18	Q2286-03	LAW-25-0084	FC069198.D	13 Jun 2025 01:24	need 10x, 100x, 500x dilution	YP/AJ	Dilution
19	I.BLK	I.BLK	FC069199.D	13 Jun 2025 02:42		YP/AJ	Ok
20	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC069200.D	13 Jun 2025 03:21		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD052425AR

Review By	yogesh	Review On	5/23/2025 12:26:08 PM
Supervise By	mohammad	Supervise On	5/28/2025 1:48:35 AM
SubDirectory	FD052425AR	HP Acquire Method	HP Processing Method FD052425AR

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC Internal Standard/PEM	PP24503
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24501,PP24506

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

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD060925AR

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049412.D	09 Jun 2025 09:27		YP/AJ	Ok
2	I.BLK	I.BLK	FD049413.D	09 Jun 2025 10:07		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049414.D	09 Jun 2025 12:17		YP/AJ	Ok
4	PB168324BL	PB168324BL	FD049415.D	09 Jun 2025 16:17		YP/AJ	Ok
5	PB168324BS	PB168324BS	FD049416.D	09 Jun 2025 16:57	naphthalene break down - 0.648, 2-methylnephthalene break down - 0.668	YP/AJ	Ok
6	PB168324BSD	PB168324BSD	FD049417.D	09 Jun 2025 17:37	naphthalene break down - 0.725, 2-methylnephthalene break down - 0.817	YP/AJ	Ok
7	Q2177-08	EB05312025	FD049418.D	09 Jun 2025 18:17		YP/AJ	Ok
8	Q2198-05	B-202-GW01	FD049419.D	09 Jun 2025 18:58	surr fail	YP/AJ	Not Ok
9	I.BLK	I.BLK	FD049420.D	09 Jun 2025 20:20		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049421.D	09 Jun 2025 21:01		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061125AR

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

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24503 PP24501,PP24506

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049428.D	11 Jun 2025 10:11		YP/AJ	Ok
2	I.BLK	I.BLK	FD049429.D	11 Jun 2025 10:51		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049430.D	11 Jun 2025 12:12		YP/AJ	Ok
4	PP24647	PP24647	FD049431.D	11 Jun 2025 15:52		YP/AJ	Ok
5	PB168408BL	PB168408BL	FD049432.D	11 Jun 2025 16:33		YP/AJ	Ok
6	PB168408BS	PB168408BS	FD049433.D	11 Jun 2025 17:15	naphthalene break down - 0.510, 2-methylnaphthalene break down - 0.715	YP/AJ	Ok
7	PB168408BSD	PB168408BSD	FD049434.D	11 Jun 2025 17:57	naphthalene break down - 0.674, 2-methylnaphthalene break down - 0.938	YP/AJ	Ok
8	Q2126-01	LOD-MDL-SOIL-03-QT	FD049435.D	11 Jun 2025 18:39		YP/AJ	Ok
9	Q2126-01	LOD-MDL-SOIL-03-QT	FD049436.D	11 Jun 2025 19:23		YP/AJ	Ok
10	Q2126-02	LOQ-SOIL-02-QT2-202	FD049437.D	11 Jun 2025 20:05		YP/AJ	Ok,M
11	Q2177-02	B-187-SB01	FD049438.D	11 Jun 2025 20:47	Surr Fail	YP/AJ	Not Ok
12	Q2177-02	B-187-SB01MS	FD049438.D	11 Jun 2025 20:47	Surr Fail	YP/AJ	Not Ok
13	Q2177-02D	Q2177-02D	FD049439.D	11 Jun 2025 21:28	Surr Fail	YP/AJ	Not Ok
14	Q2177-02MS	B-187-SB01MS	FD049440.D	11 Jun 2025 22:09		YP/AJ	Not Ok
15	Q2177-02MSD	B-187-SB01MSD	FD049441.D	11 Jun 2025 22:50		YP/AJ	Not Ok
16	I.BLK	I.BLK	FD049442.D	11 Jun 2025 23:29		YP/AJ	Ok

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061125AR

Review By	yogesh	Review On	6/11/2025 3:09:24 PM
Supervise By	mohammad	Supervise On	6/13/2025 1:40:17 AM
SubDirectory	FD061125AR	HP Acquire Method	HP Processing Method
			FD052425AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC Internal Standard/PEM	PP24503		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24501,PP24506		

17	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049443.D	12 Jun 2025 00:09		YP/AJ	Ok
18	Q2177-04	B-187-SB02	FD049444.D	12 Jun 2025 01:28	Surr Fail	YP/AJ	Not Ok
19	Q2177-06	B-202-SB01	FD049445.D	12 Jun 2025 02:08	Surr Fail	YP/AJ	Not Ok
20	Q2198-01	B-202-SB02	FD049446.D	12 Jun 2025 02:48		YP/AJ	Ok
21	Q2198-03	B-207-SB02	FD049447.D	12 Jun 2025 03:27		YP/AJ	Ok
22	I.BLK	I.BLK	FD049448.D	12 Jun 2025 04:07		YP/AJ	Ok
23	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049449.D	12 Jun 2025 04:46		YP/AJ	Ok
24	PB168409BL	PB168409BL	FD049450.D	12 Jun 2025 06:04		YP/AJ	Ok
25	Q2126-07	LOD-MDL-WATER-01-0	FD049451.D	12 Jun 2025 06:44		YP/AJ	Ok
26	Q2126-07	LOD-MDL-WATER-01-0	FD049452.D	12 Jun 2025 07:23		YP/AJ	Ok,M
27	Q2126-08	LOQ-WATER-02-QT2-2	FD049453.D	12 Jun 2025 08:02		YP/AJ	Ok
28	I.BLK	I.BLK	FD049454.D	12 Jun 2025 08:41		YP/AJ	Ok
29	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049455.D	12 Jun 2025 09:21		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061225AR

Review By	yogesh	Review On	6/12/2025 12:41:59 PM
Supervise By	mohammad	Supervise On	6/16/2025 2:08:44 AM
SubDirectory	FD061225AR	HP Acquire Method	HP Processing Method
			FD052425AR

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24503 PP24501,PP24506

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049456.D	12 Jun 2025 10:41		YP/AJ	Ok
2	I.BLK	I.BLK	FD049457.D	12 Jun 2025 11:21		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049458.D	12 Jun 2025 12:02		YP/AJ	Ok
4	Q2177-06	B-202-SB01	FD049459.D	12 Jun 2025 13:40		YP/AJ	Ok
5	Q2177-04	B-187-SB02	FD049460.D	12 Jun 2025 14:21		YP/AJ	Ok
6	I.BLK	I.BLK	FD049461.D	12 Jun 2025 15:02		YP/AJ	Ok
7	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049462.D	12 Jun 2025 15:44		YP/AJ	Ok
8	PB168441BL	PB168441BL	FD049463.D	12 Jun 2025 16:26		YP/AJ	Ok
9	PB168441BS	PB168441BS	FD049464.D	12 Jun 2025 17:08	naphthalene break down - 1.050, 2-methylnephthalene break down - 0.619	YP/AJ	Ok
10	PB168441BSD	PB168441BSD	FD049465.D	12 Jun 2025 19:18	naphthalene break down - 1.123, 2-methylnephthalene break down - 0.510	YP/AJ	Ok
11	Q2177-02	B-187-SB01	FD049466.D	12 Jun 2025 19:59	Surr Fail	YP/AJ	Not Ok
12	PB168442BL	PB168442BL	FD049467.D	12 Jun 2025 20:41		YP/AJ	Ok
13	Q2126-03	MDL-SOIL-03-QT2-202	FD049468.D	12 Jun 2025 21:22	2.5 PPM SOIL MDL	YP/AJ	Ok,M
14	Q2126-09	MDL-WATER-03-QT2-2	FD049469.D	12 Jun 2025 22:03	2.5 PPM WATER MDL	YP/AJ	Ok
15	Q2286-03	LAW-25-0084	FD049470.D	12 Jun 2025 22:44	need 20x & 100x dilution	YP/AJ	Dilution
16	I.BLK	I.BLK	FD049471.D	12 Jun 2025 23:24		YP/AJ	Ok

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061225AR

Review By	yogesh	Review On	6/12/2025 12:41:59 PM
Supervise By	mohammad	Supervise On	6/16/2025 2:08:44 AM
SubDirectory	FD061225AR	HP Acquire Method	HP Processing Method FD052425AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC	PP24503		
Internal Standard/PEM	PP24501,PP24506		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

17	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049472.D	13 Jun 2025 00:04		YP/AJ	Ok
18	Q2177-02	B-187-SB01	FD049473.D	13 Jun 2025 01:24	Surr Fail	YP/AJ	Not Ok
19	Q2177-02D	Q2177-02D	FD049474.D	13 Jun 2025 02:03	Surr Fail	YP/AJ	Not Ok
20	Q2177-02MS	B-187-SB01MS	FD049475.D	13 Jun 2025 02:42	FD049473.D	YP/AJ	Not Ok
21	Q2177-02MSD	B-187-SB01MSD	FD049476.D	13 Jun 2025 03:21	FD049473.D!FD049475.D	YP/AJ	Not Ok
22	I.BLK	I.BLK	FD049477.D	13 Jun 2025 04:00		YP/AJ	Ok
23	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049478.D	13 Jun 2025 04:39		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD061325AR

Review By	yogesh	Review On	6/13/2025 10:27:20 AM
Supervise By		Supervise On	
SubDirectory	FD061325AR	HP Acquire Method	HP Processing Method FD052425AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505		
CCC	PP24503		
Internal Standard/PEM			
ICV/I.BLK	PP24501,PP24506		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049479.D	13 Jun 2025 06:29		YP/AJ	Ok
2	I.BLK	I.BLK	FD049480.D	13 Jun 2025 07:07		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049481.D	13 Jun 2025 07:46		YP/AJ	Ok
4	Q2177-02	B-187-SB01	FD049482.D	13 Jun 2025 08:25		YP/AJ	Ok
5	Q2177-02D	Q2177-02D	FD049483.D	13 Jun 2025 09:04		YP/AJ	Ok
6	Q2177-02MS	B-187-SB01MS	FD049484.D	13 Jun 2025 09:48	FD049482.D	YP/AJ	Ok
7	Q2177-02MSD	B-187-SB01MSD	FD049485.D	13 Jun 2025 10:28	FD049482.D!FD049484.D	YP/AJ	Ok
8	Q2286-03DL	LAW-25-0084DL	FD049486.D	13 Jun 2025 11:07	need further dilution	YP/AJ	Dilution
9	Q2286-03DL2	LAW-25-0084DL2	FD049487.D	13 Jun 2025 11:47		YP/AJ	Ok
10	I.BLK	I.BLK	FD049488.D	13 Jun 2025 12:26		YP/AJ	Ok
11	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049489.D	13 Jun 2025 13:06		YP/AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Sohil
Analyst: jignesh
Date: 6/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 06/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135973

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2125-07	GSB3	25	1.14	10.44	11.58	10.36	88.3	
Q2167-01	52225	1	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2168-01	SAN-A1-A3	2	1.15	10.00	11.15	11.1	99.5	
Q2168-03	A3	3	1.19	10.12	11.31	11.27	99.6	
Q2168-05	SAN-B1-B3	4	1.19	10.16	11.35	11.31	99.6	
Q2168-07	B3	5	1.16	10.33	11.49	11.44	99.5	
Q2168-09	SAN-C1-C2	6	1.13	10.24	11.37	11.3	99.3	
Q2168-11	C2	7	1.17	10.38	11.55	11.31	97.7	
Q2171-01	5-28-25-A	8	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2171-02	5-28-25-B	9	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2171-03	51925	10	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2175-01	32525	11	1.00	1.00	2.00	2.00	100.0	debris
Q2175-02	52725	12	1.00	1.00	2.00	2.00	100.0	oil sample
Q2176-01	TP-46	13	1.19	10.63	11.82	10.09	83.7	
Q2176-02	TP-56	14	1.15	10.59	11.74	10.28	86.2	
Q2176-03	TP-25	15	1.16	10.29	11.45	9.98	85.7	
Q2176-04	TP-26	16	1.12	10.84	11.96	10.36	85.2	
Q2176-05	TP-28	17	1.18	10.51	11.69	10.69	90.5	
Q2176-06	TP-27	18	1.18	10.12	11.3	9.59	83.1	
Q2176-07	TP-31	19	1.18	10.64	11.82	10.42	86.8	
Q2176-08	TP-65	20	1.19	10.27	11.46	10.16	87.3	
Q2177-01	B-187-SB00	21	1.17	10.43	11.6	10.47	89.2	
Q2177-02	B-187-SB01	22	1.16	10.50	11.66	10.00	84.2	
Q2177-04	B-187-SB02	23	1.17	10.55	11.72	7.8	62.8	
Q2177-06	B-202-SB01	24	1.19	10.41	11.6	10.08	85.4	
Q2178-01	RT2929	26	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q2179-01	D3	27	1.15	9.96	11.11	10.47	93.6	
Q2179-02	D4	28	1.19	10.03	11.22	10.38	91.6	

PERCENT SOLID

Supervisor: Sohil
Analyst: jignesh
Date: 6/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 06/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135973

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2179-03	D5	29	1.18	10.26	11.44	10.8	93.8	
Q2179-04	D6	30	1.16	10.80	11.96	11.54	96.1	
Q2183-01	BC205321-3-1	31	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-02	BC205321-3-2	32	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-03	BC205321-4-1	33	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-04	BC205321-4-2	34	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-05	BC205321-5-1	35	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-06	BC205321-5-2	36	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-07	BC205321-6-1	37	1.00	1.00	2.00	2.00	100.0	oilc
Q2183-08	BC205321-6-2	38	1.00	1.00	2.00	2.00	100.0	oilc
Q2184-01	245F54-1-1	39	1.00	1.00	2.00	2.00	100.0	oilc
Q2184-02	245F54-1-2	40	1.00	1.00	2.00	2.00	100.0	oilc
Q2184-03	BC226595-1-1	41	1.00	1.00	2.00	2.00	100.0	oilc
Q2184-04	BC226595-1-2	42	1.00	1.00	2.00	2.00	100.0	oilc
Q2185-01	TP02-MHB-WC	43	1.15	10.68	11.83	10.28	85.5	
Q2185-02	TP02-MHB-VOC	44	1.13	10.62	11.75	10.58	89.0	
Q2185-03	TP02-MHB-EPH	45	1.15	10.26	11.41	10.00	86.3	
Q2185-05	TP01-MHB-WC	46	1.18	10.69	11.87	10.57	87.8	
Q2185-06	TP01-MHB-VOC	47	1.19	10.76	11.95	10.84	89.7	
Q2185-07	TP01-MHB-EPH	48	1.19	10.25	11.44	10.28	88.7	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

8735973

WorkList Name : %1-060225

WorkList ID : 189853

Department : Wet-Chemistry

Date : 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2125-07	GSB3	Solid	Percent Solids	Cool 4 deg C	GENV01	L31	05/23/2025	Chemtech -SO
Q2167-01	52225	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-01	SAN-A1-A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-03	A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-05	SAN-B1-B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-07	B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-09	SAN-C1-C2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-11	C2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-01	5-28-25-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-02	5-28-25-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-03	51925	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2175-01	32525	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2175-02	52725	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2176-01	TP-46	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2176-02	TP-56	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/28/2025	Chemtech -SO
Q2176-03	TP-25	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-04	TP-26	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-05	TP-28	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-06	TP-27	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-07	TP-31	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-08	TP-65	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/30/2025	Chemtech -SO

Date/Time 06/02/25 15:13

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 06/02/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

135913

WorkList Name : %1-060225 WorkList ID : 189853 Department : Wet-Chemistry Date : 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2177-01	B-187-SB00	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-02	B-187-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-04	B-187-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-06	B-202-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2178-01	RT2929	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	06/02/2025	Chemtech -SO
Q2179-01	D3	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-02	D4	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-03	D5	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-04	D6	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2183-01	BC205321-3-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-02	BC205321-3-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-03	BC205321-4-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-04	BC205321-4-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-05	BC205321-5-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-06	BC205321-5-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-07	BC205321-6-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-08	BC205321-6-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-01	245F54-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-02	245F54-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-03	BC226595-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-04	BC226595-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO

Date/Time 06/02/25 15:15
 Raw Sample Received by: SPW
 Raw Sample Relinquished by: SPW
 Date/Time 06/02/25 17:25
 Raw Sample Received by: SPW
 Raw Sample Relinquished by: SPW

WORKLIST(Hardcopy Internal Chain)

135973

WorkList Name : %1-060225

WorkList ID : 189853

Department : Wet-Chemistry

Date : 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2185-01	TP02-MHB-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-02	TP02-MHB-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-03	TP02-MHB-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-05	TP01-MHB-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-06	TP01-MHB-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-07	TP01-MHB-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO

Date/Time 06/02/25 15:15

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 06/02/25 17:15

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 06/06/2025

Extraction Start Time : 09:10

Extraction End Date : 06/06/2025

Extraction End Time : 16:15

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☒ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24573
Surrogate	1.0ML	100 PPM	PP24591
Fractionation Surrogate	1.0ML	100 PPM	PP24623
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3930
Baked Na2SO4	N/A	EP2614
Hexane	N/A	E3934
6N HCL	N/A	EP2615
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1

Envap ID: NE VAP-02

KD Bath Temperature: 60 °C

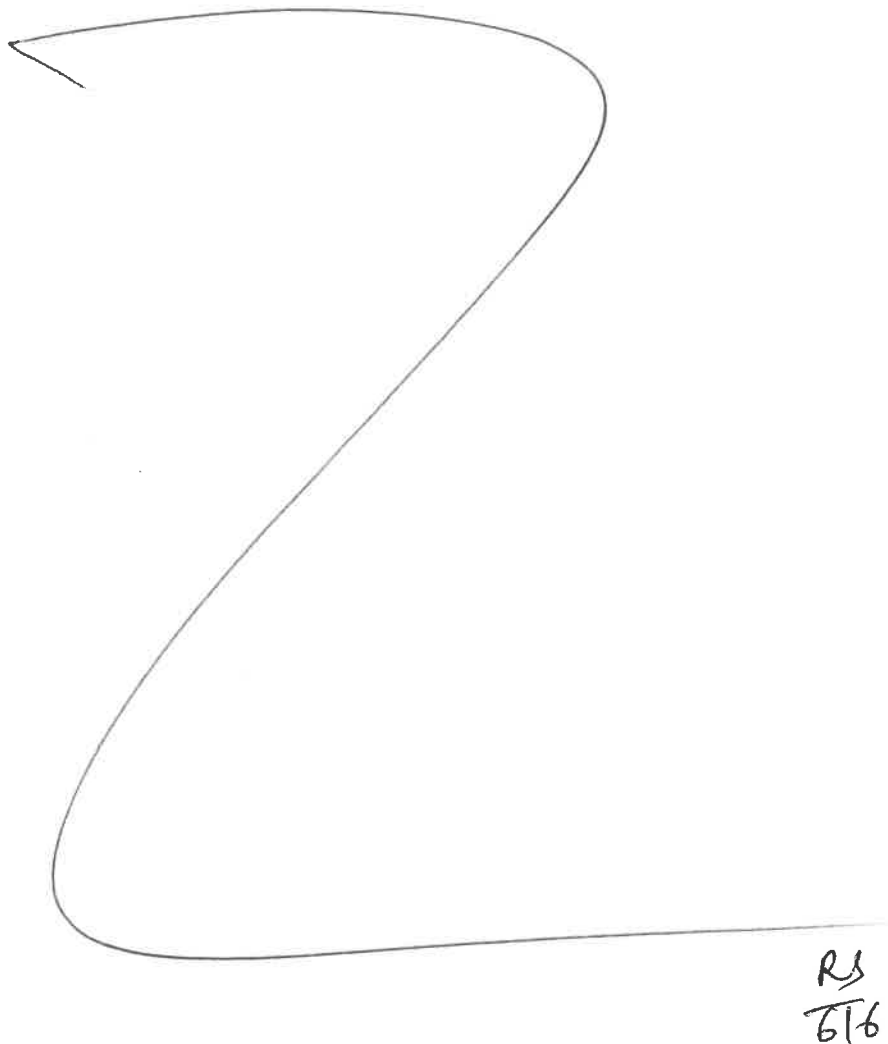
Envap Temperature: 40 °C

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

Analytical Method: MNJDEP-EPH-7

Concentration Date: 06/06/2025

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



RS
6/6

1683224
6-1-20

WORKLIST(Hardcopy Internal Chain)

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

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

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

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

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix: Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 06/11/2025

Extraction Start Time: 08:45

Extraction End Date: 06/11/2025

Extraction End Time: 15:45

Concentration By: EH

Supervisor By: ritesh

Extraction Method: ☐ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24573
Surrogate	1.0ML	100 PPM	PP24591
Fractionation Surrogate	1.0ML	100 PPM	PP24623
LOD	0.25ML/0.4ML	20 PPM	PP24131
LOQ	0.5ML	20 PPM	PP24131

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

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/11/25	RP (Ext 205)	Y-P-Pest/IPC
15:50	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 06/11/2025

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

* Extracts relinquished on the same date as received.

8/11/25

WORKLIST(Hardcopy Internal Chain)

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

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

Date/Time 06/11/25 8:44
 Raw Sample Received by: RJ (Sgt L41)
 Raw Sample Relinquished by: CP

Date/Time 06/11/25 9:15
 Raw Sample Received by: CP
 Raw Sample Relinquished by: RJ (Sgt L41)



SHIPPING DOCUMENTS

CLIENT INFORMATION

COMPANY: Gonne & Fleming
ADDRESS: 1010 Adams Avenue
CITY: Audubon STATE: PA ZIP: 19403
ATTENTION: Joe Kruparsky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Sanborn
PROJECT NO.: 95000818 LOCATION: Keeney NJ
PROJECT MANAGER: Joe Kruparsky
e-mail: QACQ@BEMSYS.COM
PHONE: 610-310-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield
CITY: Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samaria Beasley PHONE: 908-728-3148

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) 10 DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ EDD FORMAT Bcm EDO

1. TCL-VOC+10
2. PCBS
3. Cr(VI)
4. TCL-SVOCs-BNA
5. TAU metals
6. EPH
7. Full TCP
8. RCPA Parameters
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	B-187-SB00	S		X	5/31/25	900	5	X										
2.	B-187-SB01			X		930	8	X	X	X	X	X	X	X	X			
3.	B-187-SB02			X		1000	8	X	X	X	X	X	X	X	X			
4.	B-202-SB01			X		1015	8	X	X	X	X	X	X	X	X			
5.	EB05312025	DIW				1415	8	X	X	X	X	X	X	X				
6.	TB05312025	DIW				NA		X										
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>5/31/25</u>	RECEIVED BY: 1. <u>[Signature]</u> <u>6-2-25</u> <u>0700</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>4.7°C</u>
RELINQUISHED BY SAMPLER: 2. <u></u>	DATE/TIME: <u></u>	RECEIVED BY: 2. <u></u>	Comments: <u></u>
RELINQUISHED BY SAMPLER: 3. <u></u>	DATE/TIME: <u></u>	RECEIVED BY: 3. <u></u>	Page <u></u> of <u></u> CLIENT: ☐ Hand Delivered ☐ Other <u></u> Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2177	PORT06	Order Date : 6/2/2025 11:19:00 AM	Project Mgr : Yazmeen
Client Name : Portal Partners Tri-Venture		Project Name : Amtrak Sawtooth Bridges 2	Report Type : NJ Reduced
Client Contact : Joseph Krupansky		Receive DateTime : 6/2/2025 7:00:00 AM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Portal Partners Tri-Venture		Purchase Order :	Hard Copy Date :
Invoice Contact : Joseph Krupansky			Date Signoff : 6/2/2025 12:21:09 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2177-01	B-187-SB00	Solid	05/31/2025	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-02	B-187-SB01	Solid	05/31/2025	09:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-04	B-187-SB02	Solid	05/31/2025	10:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-06	B-202-SB01	Solid	05/31/2025	10:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-08	EB05312025	Water	05/31/2025	14:15					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2177-09	TB05312025	Water	05/31/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2177	PORT06	Order Date : 6/2/2025 11:19:00 AM	Project Mgr : Yazmeen
Client Name : Portal Partners Tri-Venture		Project Name : Amtrak Sawtooth Bridges 2	Report Type : NJ Reduced
Client Contact : Joseph Krupansky		Receive DateTime : 6/2/2025 7:00:00 AM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Portal Partners Tri-Venture		Purchase Order :	Hard Copy Date :
Invoice Contact : Joseph Krupansky			Date Signoff : 6/2/2025 12:21:09 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinquished By :

Date / Time :


6/2/25 1150

Received By :

Date / Time :


6/2/25 1152

Storage Area : VOA Refridgerator Room