

Cover Page

Order ID : Q1422

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number

Q1422-01
Q1422-02

Client Sample Number

B-154-SB01
B-154-SB02

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: 3/4/2025

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 #: Q1422

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: PATEL VAISHALI

Date: 03/04/2025

LAB CHRONICLE

OrderID:	Q1422	OrderDate:	2/25/2025 10:47:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	H33,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1422-01	B-154-SB01	Solid			02/23/25			02/25/25
			EPH	NJEPH		02/27/25	02/28/25	
			PCB	8082A		02/26/25	02/26/25	
Q1422-02	B-154-SB02	Solid			02/23/25			02/25/25
			EPH	NJEPH		02/27/25	02/28/25	
			PCB	8082A		02/26/25	02/26/25	



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM CASE No.: Q1422 SAS No.: Q1422 SDG No.: Q1422
Run Number: FC022825AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB166923BL	83			0
PB166923BS	78			0
PB166923BSD	77			0
P001-CLAY-CF01-01MS	61			0
P001-CLAY-CF01-01MSD	65			0
B-154-SB01	62			0
B-154-SB02	97			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.: Q1422 SAS No.: Q1422 SDG No.: Q1422
Run Number: FD022825AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB166923BL	112	116	99	0
PB166923BS	117	124	106	0
PB166923BSD	118	126	107	0
P001-CLAY-CF01-01MS	118	124	67	0
P001-CLAY-CF01-01MSD	112	118	64	0
B-154-SB01	117	122	69	0
B-154-SB02	126	133	87	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 (SURR)

(40-140)

2-Fluorobiphenyl (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

D Surrogate diluted out

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1422 **SAS No :** Q1422 **SDG No:** Q1422
Sample No : Q1421-02 **Datafile:** FC068334.D
Client ID : P001-CLAY-CF01-01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	14.2	0	9.70	68		(40-140)
Aliphatic C12-C16	9.5	0.50	9.05	90		(40-140)
Aliphatic C16-C21	14.2	0.43	14.6	100		(40-140)
Aliphatic C21-C28	18.9	0	19.4	102		(40-140)
Aliphatic C28-C40	28.4	2.80	34.1	110		(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1422 **SAS No :** Q1422 **SDG No:** Q1422
Sample No : Q1421-03 **Datafile:** FC068335.D
Client ID : P001-CLAY-CF01-01MSD

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	14.2	0	9.71	68		0.15 (40-140) 25
Aliphatic C12-C16	9.5	0.50	9.10	91		0.44 (40-140) 25
Aliphatic C16-C21	14.2	0.43	14.7	100		0.1 (40-140) 25
Aliphatic C21-C28	18.9	0	19.6	103		0.98 (40-140) 25
Aliphatic C28-C40	28.4	2.80	34.6	111		0.9 (40-140) 25

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1422 **SAS No :** Q1422 **SDG No:** Q1422
Sample No : Q1421-02 **Datafile:** FD049142.D
Client ID : P001-CLAY-CF01-01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	9.5	0.47	9.80	99		(40-140)
Aromatic C12-C16	14.2	0.65	17.2	116		(40-140)
Aromatic C16-C21	23.7	2.61	35.7	139		(40-140)
Aromatic C21-C36	37.8	0	57.2	151	*	(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1422 **SAS No :** Q1422 **SDG No:** Q1422
Sample No : Q1421-03 **Datafile:** FD049143.D
Client ID : P001-CLAY-CF01-01MSD

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	9.5	0.47	9.34	94		5.1 (40-140) 25
Aromatic C12-C16	14.2	0.65	16.4	110		5.31 (40-140) 25
Aromatic C16-C21	23.7	2.61	34.2	133		4.41 (40-140) 25
Aromatic C21-C36	37.9	0	55.5	146	*	3.37 (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:** Q1422 **SAS No :** Q1422 **SDG No:** Q1422
Sample No : PB166923BS **Datafile:** FC068323.D
Client ID : PB166923BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	6.53	65		(40-140)
Aliphatic C12-C16	6.7	5.75	86		(40-140)
Aliphatic C16-C21	10	9.57	96		(40-140)
Aliphatic C21-C28	13.3	12.9	97		(40-140)
Aliphatic C28-C40	20.0	21.3	106		(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:** Q1422 **SAS No :** Q1422 **SDG No:** Q1422
Sample No : PB166923BSD **Datafile:** FC068324.D
Client ID : PB166923BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	6.56	66		0.37 (40-140)	50
Aliphatic C12-C16	6.7	5.75	86		0 (40-140)	50
Aliphatic C16-C21	10	9.54	96		0.352 (40-140)	50
Aliphatic C21-C28	13.3	12.9	97		0.01 (40-140)	50
Aliphatic C28-C40	20.0	21.4	107		1 (40-140)	50

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture
Lab Code: CHEM **Cas No:** Q1422 **SAS No :** Q1422 **SDG No:** Q1422
Sample No : PB166923BS **Datafile:** FD049131.D
Client ID : PB166923BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	6.49	97		(40-140)
Aromatic C12-C16	10	11.1	111		(40-140)
Aromatic C16-C21	16.7	21.5	129		(40-140)
Aromatic C21-C36	26.6	34.3	128		(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:** Q1422 **SAS No :** Q1422 **SDG No:** Q1422
Sample No : PB166923BSD **Datafile:** FD049132.D
Client ID : PB166923BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	6.56	98		1.1 (40-140)	50
Aromatic C12-C16	10	11.3	113		1.9 (40-140)	50
Aromatic C16-C21	16.7	21.8	130		1.5 (40-140)	50
Aromatic C21-C36	26.6	34.9	130		2.3 (40-140)	50

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166923BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1422

SAS No.: Q1422 SDG NO.: Q1422

Instrument ID: FID_C

Lab Sample ID: PB166923BL

Matrix: (soil/water) Solid

Date Extracted: 2/27/2025 1:10:00 P

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB166923BS	PB166923BS
B-154-SB01	Q1422-01
B-154-SB02	Q1422-02
PB166923BSD	PB166923BSD

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB01	SDG No.:	Q1422
Lab Sample ID:	Q1422-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/27/25 13:10	02/28/25 20:46	PB166923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.43	U	1	0.43	1.13	mg/kg	FC068337.D
Aliphatic C12-C16	Aliphatic C12-C16	0.38	J	1	0.27	0.75	mg/kg	FC068337.D
Aliphatic C16-C21	Aliphatic C16-C21	0.34	U	1	0.34	1.13	mg/kg	FC068337.D
Aliphatic C21-C28	Aliphatic C21-C28	0.90	U	1	0.90	1.50	mg/kg	FC068337.D
Aliphatic C28-C40	Aliphatic C28-C40	2.03	U	1	2.03	2.26	mg/kg	FC068337.D
Aromatic C10-C12	Aromatic C10-C12	0.43	J	1	0.34	0.75	mg/kg	FD049145.D
Aromatic C12-C16	Aromatic C12-C16	0.65	J	1	0.38	1.13	mg/kg	FD049145.D
Aromatic C16-C21	Aromatic C16-C21	2.26		1	1.08	1.88	mg/kg	FD049145.D
Aromatic C21-C36	Aromatic C21-C36	2.26	U	1	2.26	3.01	mg/kg	FD049145.D
Total AliphaticEPH	Total AliphaticEPH	3.97	U		3.97	6.77	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.06	U		4.06	6.77	mg/kg	
Total EPH	Total EPH	8.04	U		8.04	13.5	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB01	SDG No.:	Q1422
Lab Sample ID:	Q1422-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068337.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.43	U	0.43	1.13	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.38	J	0.27	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.34	U	0.34	1.13	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.90	U	0.90	1.50	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.03	U	2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.0		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1422-01	Acq On:	28 Feb 2025 20:46
Client Sample ID:	B-154-SB01	Operator:	YP/AJ
Data file:	FC068337.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.369	531996	3.772	300	ug/ml
Aliphatic C12-C16	6.370	9.754	696493	5.097	200	ug/ml
Aliphatic C16-C21	9.755	13.107	570004	4.33	300	ug/ml
Aliphatic C21-C28	13.108	16.761	536732	4.375	400	ug/ml
Aliphatic C28-C40	16.762	21.565	2407195	23.406	600	ug/ml
Aliphatic EPH	3.104	21.565	4742420	40.98		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.838	12.838	3488877	31.02		ug/ml
Aliphatic C9-C28	3.104	16.761	2335225	17.574	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068337.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 20:46
Operator : YP/AJ
Sample : Q1422-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-154-SB01

Integration File: autoint1.e
Quant Time: Mar 05 05:25:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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...	12.838	3488877	31.019 ug/ml
Spiked Amount	50.000	Recovery	= 62.04%

Target Compounds

(f)=RT Delta > 1/2 Window

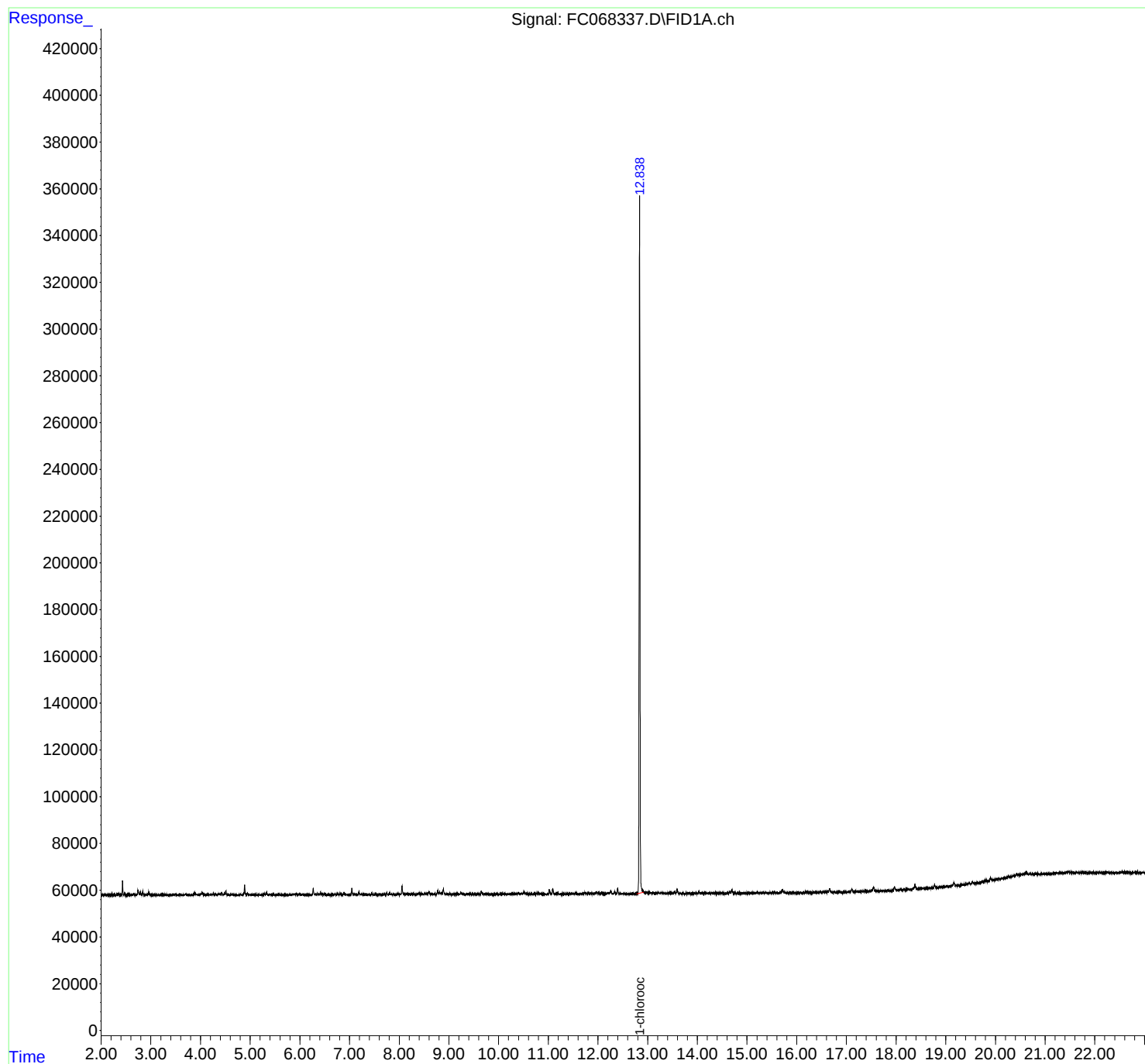
(m)=manual int.

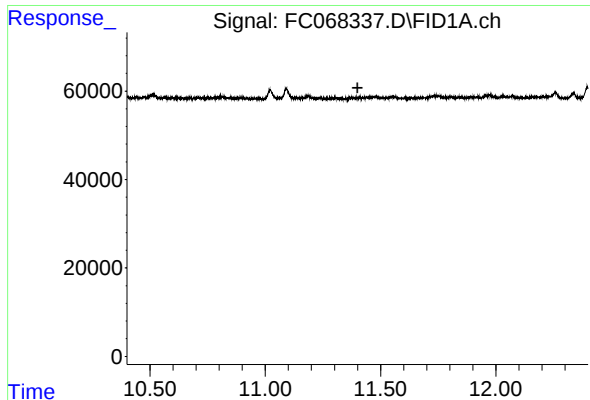
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068337.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 20:46
Operator : YP/AJ
Sample : Q1422-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-154-SB01

Integration File: autoint1.e
Quant Time: Mar 05 05:25:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

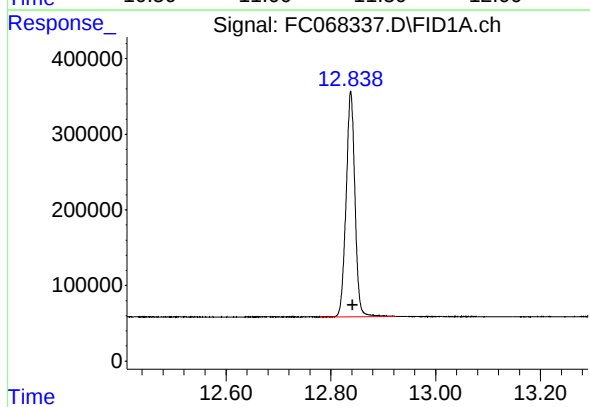




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.400 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-154-SB01



#12 1-chlorooctadecane (SURR)

R.T.: 12.838 min
Delta R.T.: -0.003 min
Response: 3488877
Conc: 31.02 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068337.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 20:46
Sample : Q1422-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.359	2.304	2.404	BV	436	2877	0.08%	0.033%
2	2.431	2.404	2.455	PV	6140	46501	1.31%	0.536%
3	2.472	2.455	2.511	VV	856	7585	0.21%	0.087%
4	2.517	2.511	2.528	VV	71	531	0.01%	0.006%
5	2.540	2.528	2.570	PV	104	1585	0.04%	0.018%
6	2.592	2.570	2.602	VV	180	1272	0.04%	0.015%
7	2.614	2.602	2.636	VV	146	1415	0.04%	0.016%
8	2.655	2.636	2.688	PV	566	6814	0.19%	0.078%
9	2.742	2.688	2.770	VV	1940	29816	0.84%	0.343%
10	2.788	2.770	2.810	VV	1663	16830	0.47%	0.194%
11	2.838	2.810	2.861	VV	1826	18559	0.52%	0.214%
12	2.870	2.861	2.898	VV	225	3369	0.09%	0.039%
13	2.915	2.898	2.944	VV	219	4835	0.14%	0.056%
14	2.960	2.944	3.021	VV	1442	17608	0.49%	0.203%
15	3.026	3.021	3.050	VV	199	2250	0.06%	0.026%
16	3.089	3.050	3.098	VV	164	3364	0.09%	0.039%
17	3.135	3.098	3.148	VV	159	3716	0.10%	0.043%
18	3.163	3.148	3.175	VV	185	2289	0.06%	0.026%
19	3.207	3.175	3.235	VV	364	6807	0.19%	0.078%
20	3.249	3.235	3.315	VV	165	6163	0.17%	0.071%
21	3.327	3.315	3.338	VV	188	1608	0.05%	0.019%
22	3.410	3.338	3.439	PV	209	8484	0.24%	0.098%
23	3.498	3.439	3.514	VV	678	10809	0.30%	0.124%
24	3.524	3.514	3.545	VV	419	4212	0.12%	0.049%
25	3.570	3.545	3.601	VV	271	6544	0.18%	0.075%
26	3.608	3.601	3.636	VV	280	3821	0.11%	0.044%
27	3.651	3.636	3.662	VV	204	2357	0.07%	0.027%
28	3.669	3.662	3.674	VV	120	854	0.02%	0.010%
29	3.694	3.674	3.738	VV	456	9640	0.27%	0.111%
30	3.744	3.738	3.761	VV	232	2756	0.08%	0.032%
31	3.775	3.761	3.833	VV	392	9152	0.26%	0.105%
32	3.866	3.833	3.878	VV	687	8909	0.25%	0.103%
33	3.893	3.878	3.946	VV	1077	16245	0.46%	0.187%
34	3.956	3.946	3.989	VV	267	4536	0.13%	0.052%
35	4.032	3.989	4.070	VV	1088	25074	0.70%	0.289%
36	4.084	4.070	4.122	VV	264	6251	0.18%	0.072%

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37	4.165	4.122	4.208	VV	220	10063	0.28%	0.116%
38	4.220	4.208	4.237	VV	226	4023	0.11%	0.046%
39	4.262	4.237	4.287	VV	723	11540	0.32%	0.133%
40	4.300	4.287	4.341	VV	465	9879	0.28%	0.114%
41	4.366	4.341	4.394	VV	543	10597	0.30%	0.122%
42	4.428	4.394	4.465	VV	1305	21328	0.60%	0.246%
43	4.483	4.465	4.497	VV	981	10776	0.30%	0.124%
44	4.513	4.497	4.552	VV	1807	20180	0.57%	0.232%
45	4.580	4.552	4.591	VV	179	3198	0.09%	0.037%
46	4.630	4.591	4.668	VV	247	7451	0.21%	0.086%
47	4.675	4.668	4.693	VV	167	2110	0.06%	0.024%
48	4.706	4.693	4.753	VV	242	4062	0.11%	0.047%
49	4.785	4.753	4.794	VV	163	2444	0.07%	0.028%
50	4.811	4.794	4.848	VV	317	5285	0.15%	0.061%
51	4.889	4.848	4.924	VV	4355	53999	1.52%	0.622%
52	4.946	4.924	4.990	VV	878	14082	0.40%	0.162%
53	5.000	4.990	5.044	VV	184	4236	0.12%	0.049%
54	5.080	5.044	5.111	VV	287	5934	0.17%	0.068%
55	5.124	5.111	5.150	VV	248	3562	0.10%	0.041%
56	5.178	5.150	5.195	VV	268	4818	0.14%	0.055%
57	5.203	5.195	5.218	VV	162	1523	0.04%	0.018%
58	5.257	5.218	5.273	VV	193	4141	0.12%	0.048%
59	5.292	5.273	5.308	VV	539	7020	0.20%	0.081%
60	5.331	5.308	5.367	VV	1389	19778	0.56%	0.228%
61	5.389	5.367	5.418	VV	328	6748	0.19%	0.078%
62	5.431	5.418	5.441	VV	182	2149	0.06%	0.025%
63	5.469	5.441	5.554	VV	348	11105	0.31%	0.128%
64	5.579	5.554	5.607	VV	260	6052	0.17%	0.070%
65	5.657	5.607	5.691	VV	219	6929	0.19%	0.080%
66	5.698	5.691	5.719	VV	151	1496	0.04%	0.017%
67	5.844	5.719	5.864	VV	341	14988	0.42%	0.173%
68	5.886	5.864	5.907	VV	381	7236	0.20%	0.083%
69	5.929	5.907	5.961	VV	719	11262	0.32%	0.130%
70	5.989	5.961	6.026	VV	351	9095	0.26%	0.105%
71	6.060	6.026	6.091	VV	380	9446	0.27%	0.109%
72	6.102	6.091	6.146	VV	184	3619	0.10%	0.042%
73	6.191	6.146	6.219	VV	218	6217	0.17%	0.072%
74	6.235	6.219	6.248	VV	173	2353	0.07%	0.027%
75	6.269	6.248	6.328	VV	2892	41053	1.15%	0.473%
76	6.351	6.328	6.370	VV	772	9992	0.28%	0.115%
77	6.387	6.370	6.399	VV	482	5512	0.15%	0.063%
78	6.416	6.399	6.436	VV	1036	13355	0.38%	0.154%
79	6.447	6.436	6.468	VV	399	5908	0.17%	0.068%
80	6.488	6.468	6.536	VV	678	10887	0.31%	0.125%
81	6.546	6.536	6.558	VV	144	1519	0.04%	0.017%
82	6.574	6.558	6.586	VV	203	2229	0.06%	0.026%
83	6.591	6.586	6.618	VV	139	1503	0.04%	0.017%
84	6.631	6.618	6.649	VV	215	2588	0.07%	0.030%
85	6.660	6.649	6.681	VV	202	2877	0.08%	0.033%
86	6.708	6.681	6.738	VV	746	10186	0.29%	0.117%
87	6.760	6.738	6.798	PV	746	14813	0.42%	0.171%
88	6.809	6.798	6.855	VV	760	15415	0.43%	0.178%
89	6.886	6.855	6.909	VV	1162	17052	0.48%	0.196%

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90	6.927	6.909	6.948	VV	240	3728	0.10%	0.043%
91	6.991	6.948	7.017	VV	276	7668	0.22%	0.088%
92	7.047	7.017	7.087	VV	2969	34570	0.97%	0.398%
93	7.102	7.087	7.114	VV	321	4188	0.12%	0.048%
94	7.125	7.114	7.139	VV	423	4632	0.13%	0.053%
95	7.154	7.139	7.165	VV	463	5180	0.15%	0.060%
96	7.189	7.165	7.238	VV	1097	20960	0.59%	0.241%
97	7.248	7.238	7.264	VV	461	5778	0.16%	0.067%
98	7.278	7.264	7.306	VV	483	7091	0.20%	0.082%
99	7.340	7.306	7.384	VV	213	5426	0.15%	0.062%
100	7.392	7.384	7.414	VV	152	1970	0.06%	0.023%
101	7.448	7.414	7.476	VV	1016	12940	0.36%	0.149%
102	7.532	7.476	7.542	PV	223	4598	0.13%	0.053%
103	7.549	7.542	7.571	VV	197	2222	0.06%	0.026%
104	7.609	7.571	7.627	VV	214	5828	0.16%	0.067%
105	7.654	7.627	7.689	VV	233	6391	0.18%	0.074%
106	7.709	7.689	7.731	VV	302	4490	0.13%	0.052%
107	7.752	7.731	7.778	VV	850	9956	0.28%	0.115%
108	7.809	7.778	7.829	VV	770	9883	0.28%	0.114%
109	7.846	7.829	7.862	VV	244	3919	0.11%	0.045%
110	7.878	7.862	7.904	VV	366	4716	0.13%	0.054%
111	7.909	7.904	7.946	VV	108	2285	0.06%	0.026%
112	7.963	7.946	8.021	VV	354	8423	0.24%	0.097%
113	8.057	8.021	8.134	VV	3855	58047	1.63%	0.668%
114	8.167	8.134	8.185	VV	566	13122	0.37%	0.151%
115	8.202	8.185	8.234	VV	518	9894	0.28%	0.114%
116	8.248	8.234	8.270	VV	481	6331	0.18%	0.073%
117	8.288	8.270	8.330	VV	512	7791	0.22%	0.090%
118	8.403	8.330	8.450	VV	632	26427	0.74%	0.304%
119	8.471	8.450	8.489	VV	436	8629	0.24%	0.099%
120	8.506	8.489	8.534	VV	579	12765	0.36%	0.147%
121	8.544	8.534	8.573	VV	513	10024	0.28%	0.115%
122	8.593	8.573	8.632	VV	996	22753	0.64%	0.262%
123	8.652	8.632	8.684	VV	429	8125	0.23%	0.094%
124	8.707	8.684	8.728	VV	431	6483	0.18%	0.075%
125	8.742	8.728	8.750	VV	315	3256	0.09%	0.037%
126	8.775	8.750	8.798	VV	1840	26024	0.73%	0.300%
127	8.810	8.798	8.858	VV	966	24359	0.68%	0.281%
128	8.890	8.858	8.943	VV	2320	43498	1.22%	0.501%
129	8.962	8.943	8.984	VV	605	8921	0.25%	0.103%
130	9.011	8.984	9.039	VV	391	6683	0.19%	0.077%
131	9.070	9.039	9.080	VV	337	5154	0.14%	0.059%
132	9.089	9.080	9.104	VV	265	3607	0.10%	0.042%
133	9.112	9.104	9.137	VV	266	4284	0.12%	0.049%
134	9.172	9.137	9.214	VV	496	13009	0.37%	0.150%
135	9.239	9.214	9.275	VV	929	14938	0.42%	0.172%
136	9.306	9.275	9.356	VV	313	8373	0.24%	0.096%
137	9.381	9.356	9.413	VV	374	6997	0.20%	0.081%
138	9.431	9.413	9.510	VV	483	11599	0.33%	0.134%
139	9.520	9.510	9.554	VV	147	2428	0.07%	0.028%
140	9.574	9.554	9.618	VV	360	7190	0.20%	0.083%
141	9.653	9.618	9.702	VV	1435	23566	0.66%	0.271%

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142	9.731	9.702	9.788	VV	355	11530	0.32%	0.133%
143	9.798	9.788	9.842	VV	230	5139	0.14%	0.059%
144	9.919	9.842	9.944	VV	221	6821	0.19%	0.079%
145	9.969	9.944	10.011	VV	405	8782	0.25%	0.101%
146	10.044	10.011	10.062	VV	418	8689	0.24%	0.100%
147	10.081	10.062	10.101	VV	369	6434	0.18%	0.074%
148	10.133	10.101	10.148	VV	416	6961	0.20%	0.080%
149	10.159	10.148	10.204	VV	271	5764	0.16%	0.066%
150	10.249	10.204	10.304	VV	389	14316	0.40%	0.165%
151	10.330	10.304	10.350	VV	513	9706	0.27%	0.112%
152	10.392	10.350	10.428	VV	654	17498	0.49%	0.202%
153	10.442	10.428	10.458	VV	453	5920	0.17%	0.068%
154	10.477	10.458	10.486	VV	459	6224	0.17%	0.072%
155	10.514	10.486	10.548	VV	1134	21942	0.62%	0.253%
156	10.563	10.548	10.594	VV	331	6802	0.19%	0.078%
157	10.601	10.594	10.684	VV	280	10993	0.31%	0.127%
158	10.711	10.684	10.731	VV	330	5971	0.17%	0.069%
159	10.756	10.731	10.767	VV	276	4544	0.13%	0.052%
160	10.777	10.767	10.790	VV	306	3510	0.10%	0.040%
161	10.811	10.790	10.834	VV	519	9245	0.26%	0.106%
162	10.843	10.834	10.866	VV	277	3754	0.11%	0.043%
163	10.875	10.866	10.881	VV	189	1399	0.04%	0.016%
164	10.892	10.881	10.957	VV	283	5695	0.16%	0.066%
165	10.966	10.957	10.988	VV	136	1543	0.04%	0.018%
166	11.021	10.988	11.055	PV	2065	30012	0.84%	0.346%
167	11.091	11.055	11.128	VV	2368	35804	1.01%	0.412%
168	11.138	11.128	11.160	VV	242	4441	0.12%	0.051%
169	11.185	11.160	11.231	VV	695	12777	0.36%	0.147%
170	11.238	11.231	11.259	VV	146	1755	0.05%	0.020%
171	11.313	11.259	11.358	VV	163	5372	0.15%	0.062%
172	11.441	11.358	11.458	VV	312	13127	0.37%	0.151%
173	11.479	11.458	11.532	VV	435	12715	0.36%	0.146%
174	11.555	11.532	11.590	VV	416	9872	0.28%	0.114%
175	11.608	11.590	11.633	VV	173	3054	0.09%	0.035%
176	11.733	11.633	11.779	VV	649	28773	0.81%	0.331%
177	11.800	11.779	11.828	VV	375	8893	0.25%	0.102%
178	11.850	11.828	11.872	VV	304	6273	0.18%	0.072%
179	11.891	11.872	11.938	VV	431	12209	0.34%	0.141%
180	11.973	11.938	12.012	VV	853	22730	0.64%	0.262%
181	12.030	12.012	12.053	VV	557	9499	0.27%	0.109%
182	12.070	12.053	12.094	VV	545	9071	0.25%	0.104%
183	12.163	12.094	12.190	VV	379	14777	0.42%	0.170%
184	12.259	12.190	12.296	VV	1379	34581	0.97%	0.398%
185	12.337	12.296	12.364	VV	1281	18594	0.52%	0.214%
186	12.396	12.364	12.471	VV	2561	39797	1.12%	0.458%
187	12.510	12.471	12.618	VV	290	10129	0.28%	0.117%
188	12.678	12.618	12.733	VV	258	12063	0.34%	0.139%
189	12.765	12.733	12.777	VV	257	4842	0.14%	0.056%
190	12.838	12.777	12.991	VV	297951	3558499	100.00%	40.981%
191	13.005	12.991	13.094	VV	671	31192	0.88%	0.359%
192	13.126	13.094	13.178	VV	452	15985	0.45%	0.184%
193	13.217	13.178	13.247	VV	464	14289	0.40%	0.165%
194	13.290	13.247	13.324	VV	537	18225	0.51%	0.210%

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195	13.340	13.324	13.395	VV	284	10635	0.30%	0.122%
196	13.464	13.395	13.512	VV	410	19366	0.54%	0.223%
197	13.541	13.512	13.568	VV	1029	18345	0.52%	0.211%
198	13.593	13.568	13.760	VV	2208	47999	1.35%	0.553%
199	13.819	13.760	13.916	PV	286	16174	0.45%	0.186%
200	14.033	13.916	14.104	VV	878	32620	0.92%	0.376%
201	14.155	14.104	14.208	VV	375	14922	0.42%	0.172%
202	14.292	14.208	14.376	VV	326	23413	0.66%	0.270%
203	14.463	14.376	14.589	VV	345	25006	0.70%	0.288%
204	14.652	14.589	14.670	VV	830	16753	0.47%	0.193%
205	14.695	14.670	14.830	VV	1823	40710	1.14%	0.469%
206	14.862	14.830	14.916	VV	226	6325	0.18%	0.073%
207	14.939	14.916	14.958	VV	171	2471	0.07%	0.028%
208	14.997	14.958	15.031	VV	174	3649	0.10%	0.042%
209	15.082	15.031	15.098	VV	127	3814	0.11%	0.044%
210	15.216	15.098	15.308	VV	411	20028	0.56%	0.231%
211	15.351	15.308	15.368	VV	203	4692	0.13%	0.054%
212	15.398	15.368	15.464	VV	201	8751	0.25%	0.101%
213	15.549	15.464	15.639	VV	293	18226	0.51%	0.210%
214	15.713	15.639	15.842	VV	1504	44639	1.25%	0.514%
215	15.897	15.842	15.938	VV	186	6234	0.18%	0.072%
216	15.959	15.938	15.977	PV	94	1339	0.04%	0.015%
217	16.048	15.977	16.131	PV	165	7350	0.21%	0.085%
218	16.196	16.131	16.341	VV	629	21643	0.61%	0.249%
219	16.369	16.341	16.441	VV	220	9604	0.27%	0.111%
220	16.495	16.441	16.518	VV	201	6738	0.19%	0.078%
221	16.547	16.518	16.598	VV	267	9457	0.27%	0.109%
222	16.661	16.598	16.795	VV	1654	47330	1.33%	0.545%
223	16.821	16.795	16.918	PV	125	3967	0.11%	0.046%
224	16.955	16.918	16.994	PV	208	4201	0.12%	0.048%
225	17.112	16.994	17.168	VV	1117	28103	0.79%	0.324%
226	17.230	17.168	17.291	VV	256	9160	0.26%	0.105%
227	17.312	17.291	17.358	VV	150	4446	0.12%	0.051%
228	17.395	17.358	17.414	VV	131	4075	0.11%	0.047%
229	17.547	17.414	17.634	VV	1944	50278	1.41%	0.579%
230	17.716	17.634	17.761	VV	189	9562	0.27%	0.110%
231	17.843	17.761	17.894	PV	237	7459	0.21%	0.086%
232	17.970	17.894	18.071	PV	1624	31764	0.89%	0.366%
233	18.181	18.071	18.204	VV	68	5268	0.15%	0.061%
234	18.242	18.204	18.291	VV	217	6637	0.19%	0.076%
235	18.379	18.291	18.454	VV	2000	43868	1.23%	0.505%
236	18.500	18.454	18.601	VV	240	7681	0.22%	0.088%
237	18.638	18.601	18.654	PV	146	2479	0.07%	0.029%
238	18.777	18.654	18.819	VV	1202	24499	0.69%	0.282%
239	18.832	18.819	18.844	VV	163	1652	0.05%	0.019%
240	18.909	18.844	18.924	VV	188	5752	0.16%	0.066%
241	18.951	18.924	18.994	VV	289	6511	0.18%	0.075%
242	19.162	18.994	19.237	PV	1638	52651	1.48%	0.606%
243	19.467	19.237	19.499	VV	610	51481	1.45%	0.593%
244	19.538	19.499	19.568	VV	1133	27861	0.78%	0.321%
245	19.592	19.568	19.609	VV	497	11796	0.33%	0.136%
246	19.798	19.609	19.834	VV	1576	101312	2.85%	1.167%

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247	19.901	19.834	19.933	VV	2060	73835	2.07%	0.850%
248	19.977	19.933	19.992	VV	1255	42573	1.20%	0.490%
249	20.259	19.992	20.278	VV	2036	251251	7.06%	2.893%
250	20.433	20.278	20.481	VV	2816	267741	7.52%	3.083%
251	20.613	20.481	20.662	VV	3149	278459	7.83%	3.207%
252	20.684	20.662	20.753	VV	2420	127095	3.57%	1.464%
253	20.823	20.753	20.866	VV	2164	142656	4.01%	1.643%
254	20.950	20.866	20.991	VV	1989	143888	4.04%	1.657%
255	21.016	20.991	21.078	VV	1905	93325	2.62%	1.075%
256	21.297	21.078	21.337	VV	1633	256647	7.21%	2.956%
257	21.470	21.337	21.603	VV	1723	227262	6.39%	2.617%
258	21.633	21.603	21.721	VV	1181	75288	2.12%	0.867%
259	21.794	21.721	21.858	VV	884	68352	1.92%	0.787%
260	21.865	21.858	21.881	VV	740	9399	0.26%	0.108%
261	21.983	21.881	22.020	VV	576	43121	1.21%	0.497%
262	22.039	22.020	22.179	VV	385	21075	0.59%	0.243%
Sum of corrected areas:							8683366	

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB01	SDG No.:	Q1422
Lab Sample ID:	Q1422-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049145.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.43	J	0.34	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.65	J	0.38	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.26		1.08	1.88	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.26	U	2.26	3.01	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	58.4		40 - 140	117%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	60.8		40 - 140	122%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.7		40 - 140	69%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1422-01	Acq On:	28 Feb 2025 20:46
Client Sample ID:	B-154-SB01	Operator:	YP/AJ
Data file:	FD049145.D	Misc:	
Instrument:	FID_D	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	905838	5.696	200	ug/ml
Aromatic C12-C16	5.795	8.396	1381445	8.584	300	ug/ml
Aromatic C16-C21	8.397	12.661	4600277	29.997	500	ug/ml
Aromatic C21-C36	12.662	18.073	3650099	25.505	800	ug/ml
Aromatic EPH	4.076	18.073	10537659	69.782		ug/ml
2-Bromonaphthalene (SURRE)	7.351	7.351	8363016	58.44		ug/ml
2-Fluorobiphenyl (SURRE)	8.201	8.201	5346083	60.81		ug/ml
ortho-Terphenyl (SURRE)	11.234	11.234	5608061	34.67		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049145.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 20:46
 Operator : YP/AJ
 Sample : Q1422-01
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-154-SB01

Integration File: autoint1.e
 Quant Time: Mar 01 02:22:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.351	8363016	58.438 ug/ml
Spiked Amount 50.000		Recovery =	116.88%
6) S 2-Fluorobiphenyl (SURR)	8.201	5346083	60.812 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	121.62%
11) S ortho-Terphenyl (SURR)	11.234	5608061	34.666 ug/ml
Spiked Amount 50.000		Recovery =	69.33%

Target Compounds

(f)=RT Delta > 1/2 Window

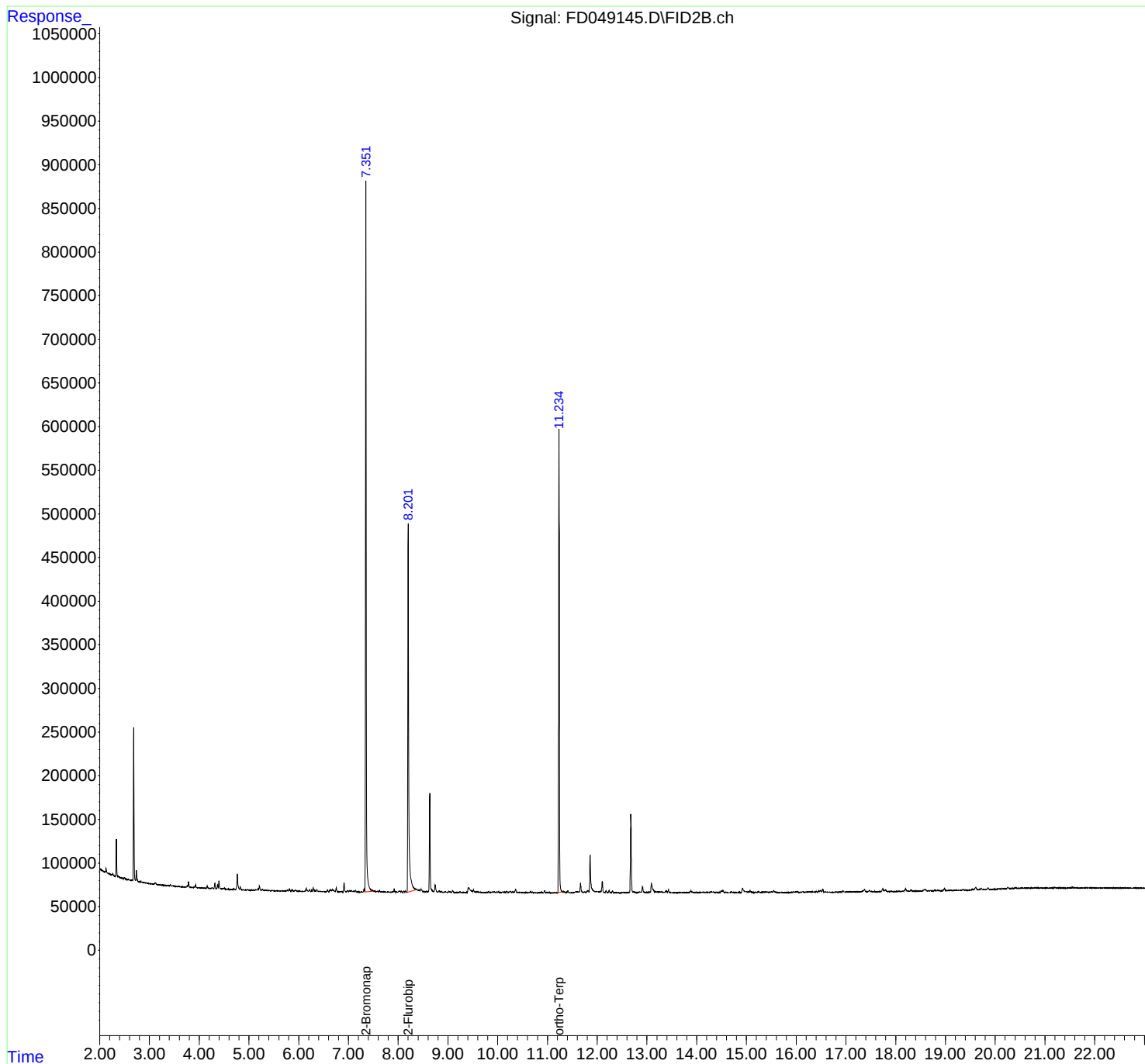
(m)=manual int.

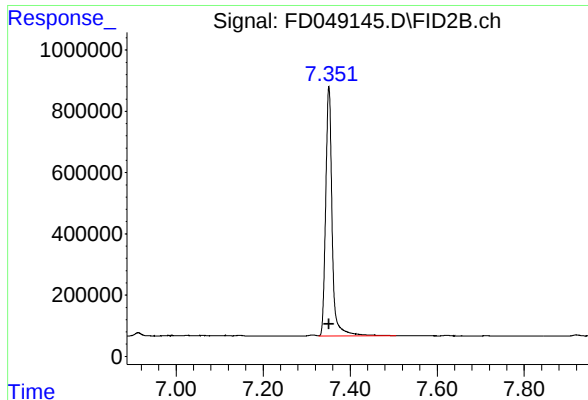
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049145.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 20:46
Operator : YP/AJ
Sample : Q1422-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-154-SB01

Integration File: autoint1.e
Quant Time: Mar 01 02:22:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

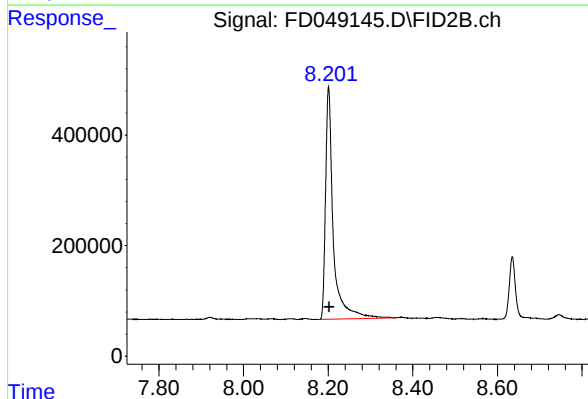




#4 2-Bromonaphthalene (SURR)

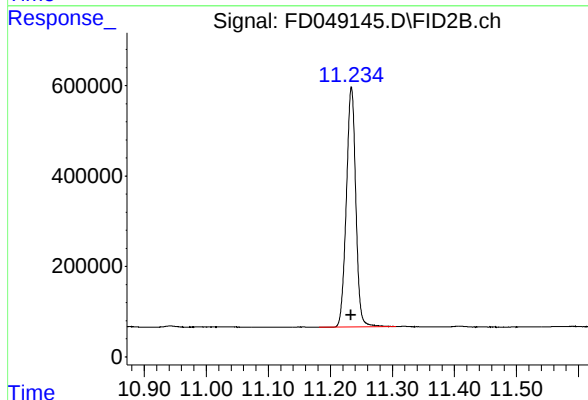
R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 8363016
Conc: 58.44 ug/ml

Instrument :
FID_D
ClientSampleId :
B-154-SB01



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.201 min
Delta R.T.: -0.001 min
Response: 5346083
Conc: 60.81 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.234 min
Delta R.T.: 0.000 min
Response: 5608061
Conc: 34.67 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049145.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 20:46
Sample : Q1422-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.051	4.042	4.093	BV	268	3527	0.04%	0.012%
2	4.110	4.105	4.132	PV	226	1060	0.01%	0.004%
3	4.158	4.132	4.205	PV	2893	44419	0.53%	0.147%
4	4.215	4.205	4.225	VV	457	4204	0.05%	0.014%
5	4.261	4.225	4.287	VV	1408	22510	0.27%	0.074%
6	4.314	4.287	4.337	VV	6304	68475	0.81%	0.226%
7	4.343	4.337	4.349	VV	585	3381	0.04%	0.011%
8	4.369	4.349	4.383	VV	5177	53165	0.63%	0.176%
9	4.397	4.383	4.449	VV	9305	106084	1.26%	0.351%
10	4.454	4.449	4.471	VV	357	3785	0.04%	0.013%
11	4.484	4.471	4.498	VV	984	11279	0.13%	0.037%
12	4.511	4.498	4.550	VV	1091	15930	0.19%	0.053%
13	4.579	4.559	4.621	VV	549	11708	0.14%	0.039%
14	4.629	4.621	4.634	PV	246	1026	0.01%	0.003%
15	4.638	4.634	4.647	VV	242	1085	0.01%	0.004%
16	4.652	4.647	4.664	VV	170	1005	0.01%	0.003%
17	4.690	4.673	4.707	VV	1055	10974	0.13%	0.036%
18	4.709	4.707	4.726	VV	452	3889	0.05%	0.013%
19	4.767	4.726	4.809	VV	18260	244411	2.91%	0.808%
20	4.826	4.809	4.854	VV	3628	44005	0.52%	0.145%
21	4.862	4.854	4.876	VV	393	3534	0.04%	0.012%
22	4.880	4.876	4.920	VV	318	5177	0.06%	0.017%
23	4.928	4.920	4.947	VV	366	3554	0.04%	0.012%
24	4.966	4.947	4.991	VV	750	10741	0.13%	0.035%
25	4.994	4.991	5.028	VV	333	3170	0.04%	0.010%
26	5.051	5.028	5.065	PV	293	4629	0.06%	0.015%
27	5.068	5.065	5.077	VV	214	1495	0.02%	0.005%
28	5.104	5.077	5.119	VV	457	8515	0.10%	0.028%
29	5.138	5.119	5.163	VV	844	16338	0.19%	0.054%
30	5.183	5.163	5.195	VV	1906	24021	0.29%	0.079%
31	5.211	5.195	5.250	VV	5494	70416	0.84%	0.233%
32	5.269	5.250	5.301	VV	1462	24958	0.30%	0.082%
33	5.338	5.301	5.345	VV	875	13454	0.16%	0.044%
34	5.347	5.345	5.372	VV	668	7463	0.09%	0.025%
35	5.377	5.372	5.396	VV	305	3023	0.04%	0.010%
36	5.409	5.403	5.415	VV	290	1405	0.02%	0.005%

					rteres			
37	5.418	5.415	5.437	VV	252	2134	0.03%	0.007%
38	5.466	5.437	5.510	PV	693	12171	0.14%	0.040%
39	5.515	5.510	5.520	VV	298	1225	0.01%	0.004%
40	5.522	5.520	5.530	VV	320	1115	0.01%	0.004%
41	5.535	5.530	5.566	VV	293	2158	0.03%	0.007%
42	5.583	5.566	5.590	VV	340	2574	0.03%	0.009%
43	5.594	5.590	5.623	VV	232	1761	0.02%	0.006%
44	5.630	5.623	5.642	PV	170	1203	0.01%	0.004%
45	5.650	5.642	5.659	VV	227	1310	0.02%	0.004%
46	5.667	5.659	5.677	VV	239	1409	0.02%	0.005%
47	5.691	5.677	5.705	VV	284	2802	0.03%	0.009%
48	5.732	5.705	5.750	VV	565	8201	0.10%	0.027%
49	5.770	5.750	5.789	VV	1077	13487	0.16%	0.045%
50	5.811	5.789	5.853	VV	2822	41926	0.50%	0.139%
51	5.870	5.853	5.898	VV	1960	25824	0.31%	0.085%
52	5.937	5.898	5.995	VV	1344	32806	0.39%	0.108%
53	6.007	5.995	6.023	VV	362	2152	0.03%	0.007%
54	6.030	6.023	6.060	PV	255	1851	0.02%	0.006%
55	6.069	6.060	6.106	PV	265	4906	0.06%	0.016%
56	6.114	6.106	6.119	VV	281	1699	0.02%	0.006%
57	6.124	6.119	6.126	VV	259	1047	0.01%	0.003%
58	6.152	6.126	6.196	VV	3691	57946	0.69%	0.191%
59	6.222	6.196	6.240	VV	2524	30224	0.36%	0.100%
60	6.262	6.240	6.275	VV	1546	18547	0.22%	0.061%
61	6.292	6.275	6.312	VV	4579	55352	0.66%	0.183%
62	6.320	6.312	6.345	VV	1345	17563	0.21%	0.058%
63	6.366	6.345	6.395	VV	2560	33832	0.40%	0.112%
64	6.404	6.395	6.433	VV	465	7615	0.09%	0.025%
65	6.442	6.433	6.453	VV	280	2466	0.03%	0.008%
66	6.467	6.453	6.488	VV	313	4831	0.06%	0.016%
67	6.499	6.488	6.528	VV	474	7427	0.09%	0.025%
68	6.537	6.528	6.545	VV	327	1906	0.02%	0.006%
69	6.578	6.555	6.606	PV	2286	30834	0.37%	0.102%
70	6.630	6.606	6.652	VV	2290	40779	0.48%	0.135%
71	6.677	6.652	6.691	VV	3066	48739	0.58%	0.161%
72	6.702	6.691	6.731	VV	2281	32972	0.39%	0.109%
73	6.756	6.731	6.790	VV	4773	66022	0.78%	0.218%
74	6.794	6.790	6.815	VV	465	5329	0.06%	0.018%
75	6.833	6.815	6.843	VV	701	8509	0.10%	0.028%
76	6.857	6.843	6.890	VV	1081	14970	0.18%	0.049%
77	6.913	6.890	6.960	VV	10965	123738	1.47%	0.409%
78	6.984	6.960	7.006	VV	1680	29958	0.36%	0.099%
79	7.025	7.006	7.048	VV	1992	31946	0.38%	0.106%
80	7.061	7.048	7.078	VV	2061	25388	0.30%	0.084%
81	7.089	7.078	7.099	VV	970	10220	0.12%	0.034%
82	7.113	7.099	7.130	VV	1528	20792	0.25%	0.069%
83	7.146	7.130	7.173	VV	2250	26153	0.31%	0.086%
84	7.200	7.173	7.212	VV	549	7920	0.09%	0.026%
85	7.215	7.212	7.234	VV	513	3025	0.04%	0.010%
86	7.257	7.234	7.286	PV	487	7663	0.09%	0.025%
87	7.314	7.286	7.328	VV	3648	40665	0.48%	0.134%
88	7.351	7.328	7.471	VV	814428	8412646	100.00%	27.800%
89	7.475	7.471	7.506	VV	2538	41221	0.49%	0.136%

					rteres			
90	7.514	7.506	7.528	VV	1690	19172	0.23%	0.063%
91	7.534	7.528	7.545	VV	1253	11541	0.14%	0.038%
92	7.551	7.545	7.568	VV	1067	13575	0.16%	0.045%
93	7.579	7.568	7.605	VV	1416	22449	0.27%	0.074%
94	7.623	7.605	7.669	VV	2498	41990	0.50%	0.139%
95	7.677	7.669	7.683	VV	696	4611	0.05%	0.015%
96	7.686	7.683	7.697	VV	623	3866	0.05%	0.013%
97	7.710	7.697	7.765	VV	1007	24553	0.29%	0.081%
98	7.783	7.765	7.802	VV	541	8098	0.10%	0.027%
99	7.805	7.802	7.820	VV	427	3643	0.04%	0.012%
100	7.832	7.820	7.851	VV	441	6156	0.07%	0.020%
101	7.866	7.851	7.871	VV	561	4175	0.05%	0.014%
102	7.878	7.871	7.883	VV	467	2560	0.03%	0.008%
103	7.887	7.883	7.900	VV	492	4288	0.05%	0.014%
104	7.920	7.900	7.940	VV	4037	47339	0.56%	0.156%
105	7.948	7.940	7.960	VV	1041	9424	0.11%	0.031%
106	7.966	7.960	7.989	VV	526	5993	0.07%	0.020%
107	8.014	7.989	8.025	VV	1559	20954	0.25%	0.069%
108	8.031	8.025	8.052	VV	1634	19960	0.24%	0.066%
109	8.066	8.052	8.091	VV	1587	20172	0.24%	0.067%
110	8.112	8.091	8.129	VV	1653	19943	0.24%	0.066%
111	8.146	8.129	8.174	VV	1742	22870	0.27%	0.076%
112	8.201	8.174	8.360	VV	420449	5534690	65.79%	18.289%
113	8.373	8.360	8.398	VV	4163	77350	0.92%	0.256%
114	8.409	8.398	8.438	VV	2894	63251	0.75%	0.209%
115	8.458	8.438	8.497	VV	4040	93772	1.11%	0.310%
116	8.516	8.497	8.543	VV	1875	35340	0.42%	0.117%
117	8.564	8.543	8.594	VV	1793	34845	0.41%	0.115%
118	8.635	8.594	8.714	VV	113885	1244277	14.79%	4.112%
119	8.745	8.714	8.803	VV	8998	163322	1.94%	0.540%
120	8.822	8.803	8.847	VV	2208	35172	0.42%	0.116%
121	8.851	8.847	8.857	VV	1009	5715	0.07%	0.019%
122	8.868	8.857	8.902	VV	1615	26665	0.32%	0.088%
123	8.907	8.902	8.911	VV	628	2527	0.03%	0.008%
124	8.926	8.911	8.932	VV	768	7951	0.09%	0.026%
125	8.944	8.932	8.990	VV	994	26699	0.32%	0.088%
126	9.018	8.990	9.030	VV	1562	23839	0.28%	0.079%
127	9.036	9.030	9.073	VV	1293	19144	0.23%	0.063%
128	9.094	9.073	9.147	VV	2556	41901	0.50%	0.138%
129	9.170	9.147	9.192	PV	531	9562	0.11%	0.032%
130	9.201	9.192	9.217	VV	609	5878	0.07%	0.019%
131	9.242	9.217	9.267	VV	1446	21078	0.25%	0.070%
132	9.273	9.267	9.279	VV	276	1446	0.02%	0.005%
133	9.306	9.279	9.335	VV	687	14378	0.17%	0.048%
134	9.344	9.335	9.358	VV	640	6238	0.07%	0.021%
135	9.368	9.358	9.379	VV	563	5958	0.07%	0.020%
136	9.386	9.379	9.391	VV	539	3248	0.04%	0.011%
137	9.410	9.391	9.495	VV	6270	206838	2.46%	0.683%
138	9.513	9.495	9.545	VV	3229	59521	0.71%	0.197%
139	9.548	9.545	9.555	VV	1058	5768	0.07%	0.019%
140	9.581	9.555	9.603	VV	1467	33083	0.39%	0.109%
141	9.609	9.603	9.640	VV	1250	19729	0.23%	0.065%

					rteres			
142	9.647	9.640	9.668	VV	1033	12153	0.14%	0.040%
143	9.682	9.668	9.710	VV	704	9984	0.12%	0.033%
144	9.716	9.710	9.733	VV	244	1962	0.02%	0.006%
145	9.781	9.733	9.794	VV	911	18103	0.22%	0.060%
146	9.819	9.794	9.848	VV	1530	28639	0.34%	0.095%
147	9.901	9.848	9.920	VV	1344	34392	0.41%	0.114%
148	9.933	9.920	9.950	VV	1209	16262	0.19%	0.054%
149	9.970	9.950	9.981	VV	1010	14628	0.17%	0.048%
150	9.989	9.981	9.995	VV	834	5912	0.07%	0.020%
151	10.013	9.995	10.039	VV	1785	25633	0.30%	0.085%
152	10.042	10.039	10.047	VV	530	2203	0.03%	0.007%
153	10.054	10.047	10.067	VV	630	5609	0.07%	0.019%
154	10.102	10.067	10.117	VV	1401	26207	0.31%	0.087%
155	10.135	10.117	10.153	VV	1165	19279	0.23%	0.064%
156	10.180	10.153	10.204	VV	2022	36061	0.43%	0.119%
157	10.222	10.204	10.230	VV	994	12766	0.15%	0.042%
158	10.253	10.230	10.278	VV	2053	38312	0.46%	0.127%
159	10.292	10.278	10.308	VV	1461	19748	0.23%	0.065%
160	10.323	10.308	10.338	VV	1342	17549	0.21%	0.058%
161	10.362	10.338	10.386	VV	4357	65805	0.78%	0.217%
162	10.405	10.386	10.423	VV	760	15613	0.19%	0.052%
163	10.427	10.423	10.439	VV	810	6407	0.08%	0.021%
164	10.456	10.439	10.476	VV	1045	17301	0.21%	0.057%
165	10.487	10.476	10.508	VV	726	10396	0.12%	0.034%
166	10.524	10.508	10.540	VV	658	10353	0.12%	0.034%
167	10.563	10.540	10.582	VV	722	14140	0.17%	0.047%
168	10.604	10.582	10.617	VV	688	11153	0.13%	0.037%
169	10.632	10.617	10.641	VV	850	9235	0.11%	0.031%
170	10.662	10.641	10.683	VV	1942	28829	0.34%	0.095%
171	10.697	10.683	10.737	VV	986	18005	0.21%	0.059%
172	10.743	10.737	10.753	VV	626	4612	0.05%	0.015%
173	10.759	10.753	10.808	VV	587	10394	0.12%	0.034%
174	10.815	10.808	10.828	VV	374	2867	0.03%	0.009%
175	10.878	10.828	10.910	VV	1250	26423	0.31%	0.087%
176	10.942	10.910	10.967	VV	2800	39825	0.47%	0.132%
177	10.988	10.967	11.015	VV	713	16097	0.19%	0.053%
178	11.032	11.015	11.056	VV	1031	18308	0.22%	0.060%
179	11.061	11.056	11.075	VV	476	3599	0.04%	0.012%
180	11.094	11.075	11.113	PV	324	5163	0.06%	0.017%
181	11.157	11.113	11.192	VV	604	14383	0.17%	0.048%
182	11.234	11.192	11.311	VV	532108	5680111	67.52%	18.770%
183	11.318	11.311	11.369	VV	2112	44912	0.53%	0.148%
184	11.374	11.369	11.385	VV	826	7175	0.09%	0.024%
185	11.408	11.385	11.437	VV	2450	39763	0.47%	0.131%
186	11.451	11.437	11.456	VV	667	6390	0.08%	0.021%
187	11.465	11.456	11.478	VV	594	6520	0.08%	0.022%
188	11.494	11.478	11.501	VV	604	6556	0.08%	0.022%
189	11.526	11.501	11.539	VV	814	15884	0.19%	0.052%
190	11.565	11.539	11.574	VV	1702	24621	0.29%	0.081%
191	11.590	11.574	11.624	VV	1934	43812	0.52%	0.145%
192	11.665	11.624	11.716	VV	11250	187589	2.23%	0.620%
193	11.735	11.716	11.743	VV	1418	16645	0.20%	0.055%
194	11.750	11.743	11.782	VV	1295	23374	0.28%	0.077%

					rteres			
195	11.815	11.782	11.838	VV	3219	65555	0.78%	0.217%
196	11.859	11.838	11.956	VV	42899	684388	8.14%	2.262%
197	11.982	11.956	11.990	VV	1747	33606	0.40%	0.111%
198	11.994	11.990	12.003	VV	1719	12981	0.15%	0.043%
199	12.010	12.003	12.043	VV	1692	36516	0.43%	0.121%
200	12.052	12.043	12.060	VV	1402	13166	0.16%	0.044%
201	12.102	12.060	12.138	VV	13234	202250	2.40%	0.668%
202	12.178	12.138	12.215	VV	2608	52585	0.63%	0.174%
203	12.240	12.215	12.266	VV	3236	45083	0.54%	0.149%
204	12.275	12.266	12.286	VV	609	6978	0.08%	0.023%
205	12.309	12.286	12.335	VV	2220	36796	0.44%	0.122%
206	12.342	12.335	12.352	VV	416	2965	0.04%	0.010%
207	12.372	12.352	12.399	VV	740	10709	0.13%	0.035%
208	12.416	12.399	12.453	VV	346	5610	0.07%	0.019%
209	12.502	12.453	12.518	PV	712	15513	0.18%	0.051%
210	12.524	12.518	12.577	VV	757	19417	0.23%	0.064%
211	12.594	12.577	12.620	VV	776	13989	0.17%	0.046%
212	12.636	12.620	12.643	VV	672	7474	0.09%	0.025%
213	12.676	12.643	12.719	VV	90361	1095873	13.03%	3.621%
214	12.733	12.719	12.797	VV	1387	41828	0.50%	0.138%
215	12.806	12.797	12.824	VV	602	10066	0.12%	0.033%
216	12.831	12.824	12.836	VV	895	5584	0.07%	0.018%
217	12.843	12.836	12.850	VV	1127	7904	0.09%	0.026%
218	12.857	12.850	12.880	VV	1096	17966	0.21%	0.059%
219	12.911	12.880	12.944	VV	7616	117708	1.40%	0.389%
220	12.952	12.944	12.975	VV	910	15230	0.18%	0.050%
221	12.987	12.975	13.017	VV	886	17437	0.21%	0.058%
222	13.039	13.017	13.070	VV	1273	29993	0.36%	0.099%
223	13.090	13.070	13.164	VV	10990	260872	3.10%	0.862%
224	13.169	13.164	13.216	VV	1635	38575	0.46%	0.127%
225	13.224	13.216	13.241	VV	1393	16893	0.20%	0.056%
226	13.246	13.241	13.273	VV	1137	19947	0.24%	0.066%
227	13.277	13.273	13.284	VV	1099	6692	0.08%	0.022%
228	13.301	13.284	13.323	VV	1199	23102	0.27%	0.076%
229	13.329	13.323	13.345	VV	1038	11226	0.13%	0.037%
230	13.390	13.345	13.412	VV	2728	63970	0.76%	0.211%
231	13.430	13.412	13.458	VV	3258	46335	0.55%	0.153%
232	13.465	13.458	13.471	VV	527	3689	0.04%	0.012%
233	13.483	13.471	13.518	VV	612	10373	0.12%	0.034%
234	13.521	13.518	13.549	VV	265	4103	0.05%	0.014%
235	13.557	13.549	13.567	VV	250	2398	0.03%	0.008%
236	13.569	13.567	13.588	VV	279	1736	0.02%	0.006%
237	13.595	13.588	13.610	VV	215	1773	0.02%	0.006%
238	13.621	13.610	13.632	PV	256	1556	0.02%	0.005%
239	13.663	13.632	13.682	VV	440	9761	0.12%	0.032%
240	13.685	13.682	13.701	VV	398	3727	0.04%	0.012%
241	13.712	13.701	13.719	VV	457	4040	0.05%	0.013%
242	13.724	13.719	13.728	VV	372	1779	0.02%	0.006%
243	13.733	13.728	13.747	VV	429	3654	0.04%	0.012%
244	13.763	13.747	13.768	VV	425	4139	0.05%	0.014%
245	13.774	13.768	13.808	VV	536	7851	0.09%	0.026%
246	13.823	13.814	13.828	VV	363	2450	0.03%	0.008%

					rteres			
247	13.880	13.828	13.935	VV	2525	63112	0.75%	0.209%
248	13.951	13.935	13.965	VV	673	9392	0.11%	0.031%
249	13.989	13.965	14.031	VV	810	17198	0.20%	0.057%
250	14.044	14.031	14.057	VV	538	6160	0.07%	0.020%
251	14.064	14.057	14.084	VV	615	8047	0.10%	0.027%
252	14.087	14.084	14.092	VV	561	2582	0.03%	0.009%
253	14.118	14.092	14.123	VV	968	12983	0.15%	0.043%
254	14.127	14.123	14.154	VV	880	13897	0.17%	0.046%
255	14.168	14.154	14.185	VV	819	12746	0.15%	0.042%
256	14.193	14.185	14.216	VV	883	11456	0.14%	0.038%
257	14.240	14.216	14.266	VV	879	19143	0.23%	0.063%
258	14.301	14.266	14.317	VV	1185	28032	0.33%	0.093%
259	14.335	14.317	14.374	VV	1159	24809	0.29%	0.082%
260	14.389	14.374	14.409	VV	616	9880	0.12%	0.033%
261	14.413	14.409	14.420	VV	211	1577	0.02%	0.005%
262	14.446	14.420	14.463	VV	446	8443	0.10%	0.028%
263	14.488	14.463	14.512	VV	2045	40075	0.48%	0.132%
264	14.530	14.512	14.572	VV	2969	50105	0.60%	0.166%
265	14.592	14.572	14.615	VV	961	12717	0.15%	0.042%
266	14.621	14.615	14.638	VV	197	2045	0.02%	0.007%
267	14.644	14.638	14.656	VV	215	1478	0.02%	0.005%
268	14.663	14.656	14.670	VV	231	1395	0.02%	0.005%
269	14.697	14.670	14.718	VV	1560	24085	0.29%	0.080%
270	14.734	14.718	14.788	VV	570	13622	0.16%	0.045%
271	14.793	14.788	14.797	VV	268	1072	0.01%	0.004%
272	14.806	14.797	14.820	VV	260	1916	0.02%	0.006%
273	14.838	14.820	14.843	VV	565	4711	0.06%	0.016%
274	14.850	14.843	14.872	VV	508	7481	0.09%	0.025%
275	14.875	14.872	14.887	VV	461	2802	0.03%	0.009%
276	14.918	14.887	14.990	VV	5259	140793	1.67%	0.465%
277	14.998	14.990	15.031	VV	1365	25985	0.31%	0.086%
278	15.072	15.031	15.127	VV	2110	60489	0.72%	0.200%
279	15.144	15.127	15.152	VV	514	5422	0.06%	0.018%
280	15.157	15.152	15.164	VV	412	2640	0.03%	0.009%
281	15.192	15.164	15.203	VV	795	14744	0.18%	0.049%
282	15.208	15.203	15.217	VV	698	4730	0.06%	0.016%
283	15.242	15.217	15.272	VV	1796	32318	0.38%	0.107%
284	15.283	15.272	15.296	VV	675	7619	0.09%	0.025%
285	15.302	15.296	15.308	VV	489	3457	0.04%	0.011%
286	15.345	15.308	15.356	VV	889	17265	0.21%	0.057%
287	15.364	15.356	15.370	VV	852	6994	0.08%	0.023%
288	15.372	15.370	15.395	VV	998	12773	0.15%	0.042%
289	15.398	15.395	15.433	VV	970	16519	0.20%	0.055%
290	15.437	15.433	15.455	VV	668	5931	0.07%	0.020%
291	15.463	15.455	15.473	VV	453	3817	0.05%	0.013%
292	15.507	15.473	15.524	VV	1462	24454	0.29%	0.081%
293	15.545	15.524	15.569	VV	2606	40692	0.48%	0.134%
294	15.589	15.569	15.612	VV	985	18103	0.22%	0.060%
295	15.623	15.612	15.655	VV	495	8022	0.10%	0.027%
296	15.665	15.655	15.675	VV	142	1299	0.02%	0.004%
297	15.695	15.675	15.700	VV	333	3483	0.04%	0.012%
298	15.705	15.700	15.720	VV	346	2583	0.03%	0.009%
299	15.730	15.720	15.735	VV	226	1690	0.02%	0.006%

					rteres			
300	15.750	15.735	15.764	VV	367	4000	0.05%	0.013%
301	15.771	15.764	15.776	VV	244	1431	0.02%	0.005%
302	15.786	15.776	15.801	VV	306	2679	0.03%	0.009%
303	15.827	15.812	15.837	PV	356	2964	0.04%	0.010%
304	15.844	15.837	15.864	VV	316	3449	0.04%	0.011%
305	15.873	15.864	15.883	VV	368	2422	0.03%	0.008%
306	15.937	15.883	15.957	VV	790	19616	0.23%	0.065%
307	15.961	15.957	15.970	VV	560	4172	0.05%	0.014%
308	15.984	15.970	16.005	VV	760	12972	0.15%	0.043%
309	16.024	16.005	16.058	VV	941	20200	0.24%	0.067%
310	16.068	16.058	16.073	VV	511	3808	0.05%	0.013%
311	16.086	16.073	16.092	VV	566	4991	0.06%	0.016%
312	16.125	16.092	16.157	VV	1111	25875	0.31%	0.086%
313	16.233	16.157	16.257	VV	887	32118	0.38%	0.106%
314	16.272	16.257	16.276	VV	633	6749	0.08%	0.022%
315	16.281	16.276	16.311	VV	739	12204	0.15%	0.040%
316	16.324	16.311	16.346	VV	810	11858	0.14%	0.039%
317	16.400	16.346	16.431	VV	1029	33488	0.40%	0.111%
318	16.457	16.431	16.471	VV	1508	25043	0.30%	0.083%
319	16.490	16.471	16.510	VV	2605	39456	0.47%	0.130%
320	16.533	16.510	16.567	VV	3540	56152	0.67%	0.186%
321	16.585	16.567	16.625	VV	619	14420	0.17%	0.048%
322	16.640	16.625	16.665	VV	372	6490	0.08%	0.021%
323	16.670	16.665	16.682	VV	310	2410	0.03%	0.008%
324	16.713	16.682	16.733	VV	303	5778	0.07%	0.019%
325	16.764	16.733	16.781	PV	305	5101	0.06%	0.017%
326	16.805	16.781	16.835	VV	601	10250	0.12%	0.034%
327	16.869	16.835	16.887	VV	399	6873	0.08%	0.023%
328	16.939	16.887	16.992	VV	1975	42756	0.51%	0.141%
329	17.010	16.992	17.027	VV	511	9225	0.11%	0.030%
330	17.044	17.027	17.082	VV	585	15555	0.18%	0.051%
331	17.088	17.082	17.105	VV	525	6128	0.07%	0.020%
332	17.135	17.105	17.155	VV	551	12169	0.14%	0.040%
333	17.169	17.155	17.207	VV	553	13550	0.16%	0.045%
334	17.216	17.207	17.236	VV	400	6394	0.08%	0.021%
335	17.346	17.236	17.353	VV	1523	41689	0.50%	0.138%
336	17.372	17.353	17.435	VV	3302	62985	0.75%	0.208%
337	17.468	17.435	17.541	VV	2151	50868	0.60%	0.168%
338	17.548	17.541	17.567	VV	429	4563	0.05%	0.015%
339	17.581	17.567	17.605	VV	607	7082	0.08%	0.023%
340	17.618	17.605	17.632	VV	298	2974	0.04%	0.010%
341	17.670	17.632	17.707	VV	688	15162	0.18%	0.050%
342	17.735	17.707	17.772	VV	3609	77224	0.92%	0.255%
343	17.792	17.772	17.853	VV	2755	61636	0.73%	0.204%
344	17.865	17.853	17.876	VV	479	5855	0.07%	0.019%
345	17.914	17.876	17.966	VV	770	25663	0.31%	0.085%
346	18.010	17.966	18.020	VV	437	10205	0.12%	0.034%
347	18.058	18.020	18.091	VV	599	16434	0.20%	0.054%
348	18.198	18.091	18.270	PV	3035	93113	1.11%	0.308%
Sum of corrected areas:						30261746		

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB02	SDG No.:	Q1422
Lab Sample ID:	Q1422-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/27/25 13:10	02/28/25 21:22	PB166923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.44	U	1	0.44	1.14	mg/kg	FC068338.D
Aliphatic C12-C16	Aliphatic C12-C16	0.51	J	1	0.27	0.76	mg/kg	FC068338.D
Aliphatic C16-C21	Aliphatic C16-C21	0.41	J	1	0.34	1.14	mg/kg	FC068338.D
Aliphatic C21-C28	Aliphatic C21-C28	0.92	U	1	0.92	1.52	mg/kg	FC068338.D
Aliphatic C28-C40	Aliphatic C28-C40	2.06	U	1	2.06	2.29	mg/kg	FC068338.D
Aromatic C10-C12	Aromatic C10-C12	0.34	U	1	0.34	0.76	mg/kg	FD049146.D
Aromatic C12-C16	Aromatic C12-C16	0.45	J	1	0.39	1.14	mg/kg	FD049146.D
Aromatic C16-C21	Aromatic C16-C21	1.77	J	1	1.10	1.91	mg/kg	FD049146.D
Aromatic C21-C36	Aromatic C21-C36	2.29	U	1	2.29	3.05	mg/kg	FD049146.D
Total AliphaticEPH	Total AliphaticEPH	4.03	U		4.03	6.85	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.12	U		4.12	6.86	mg/kg	
Total EPH	Total EPH	8.15	U		8.15	13.7	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB02	SDG No.:	Q1422
Lab Sample ID:	Q1422-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068338.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.44	U	0.44	1.14	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.51	J	0.27	0.76	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.41	J	0.34	1.14	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.92	U	0.92	1.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.06	U	2.06	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.7		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1422-02	Acq On:	28 Feb 2025 21:22
Client Sample ID:	B-154-SB02	Operator:	YP/AJ
Data file:	FC068338.D	Misc:	
Instrument:	FID_C	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.369	584524	4.145	300	ug/ml
Aliphatic C12-C16	6.370	9.754	907415	6.64	200	ug/ml
Aliphatic C16-C21	9.755	13.107	714840	5.431	300	ug/ml
Aliphatic C21-C28	13.108	16.761	683711	5.573	400	ug/ml
Aliphatic C28-C40	16.762	21.565	2639568	25.665	600	ug/ml
Aliphatic EPH	3.104	21.565	5530058	47.453		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.840	12.840	5478065	48.71		ug/ml
Aliphatic C9-C28	3.104	16.761	2890490	21.789	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068338.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 21:22
Operator : YP/AJ
Sample : Q1422-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-154-SB02

Integration File: autoint1.e
Quant Time: Mar 05 05:25:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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...	12.840	5478065	48.705 ug/ml
Spiked Amount	50.000	Recovery	= 97.41%

Target Compounds

(f)=RT Delta > 1/2 Window

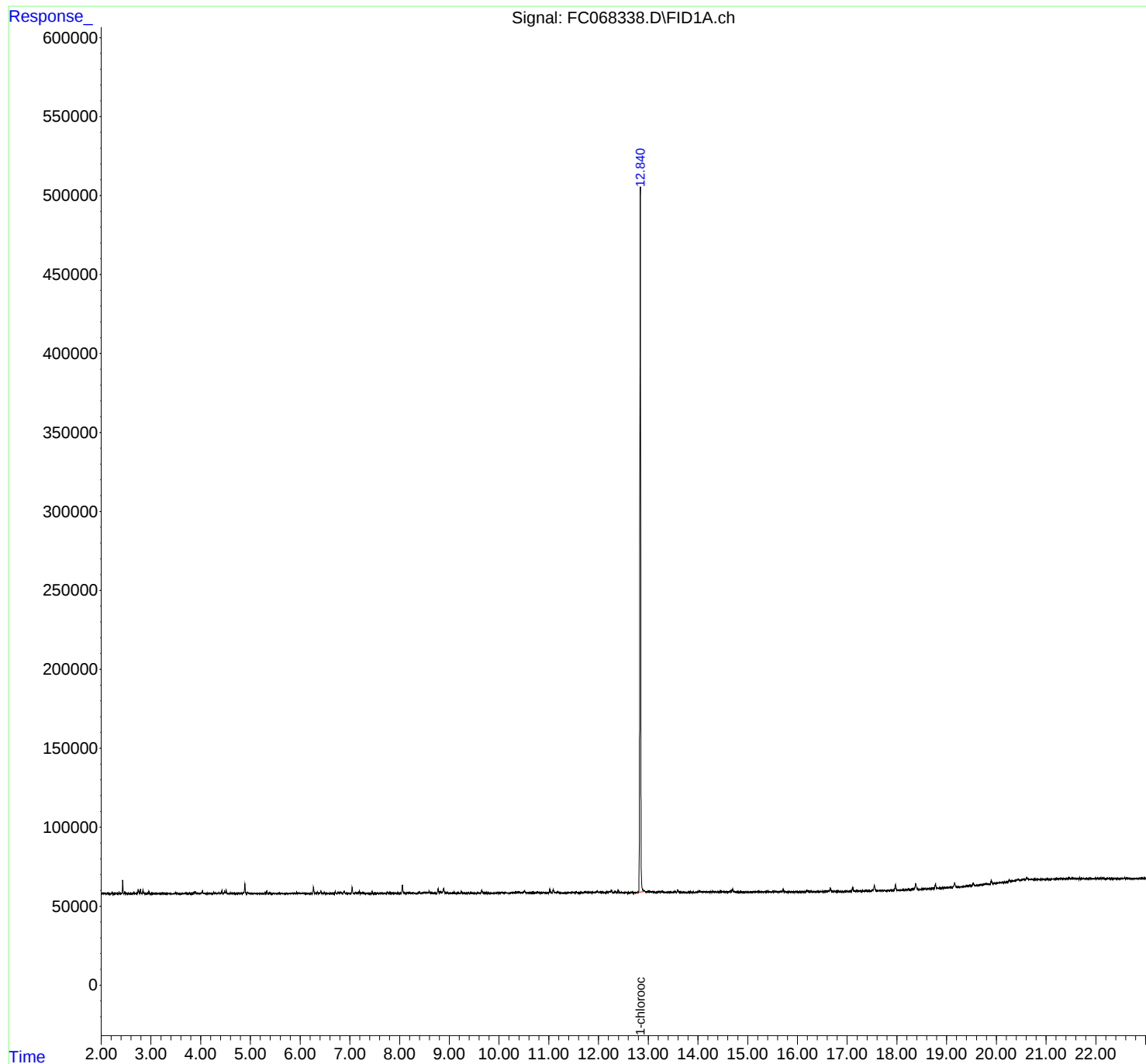
(m)=manual int.

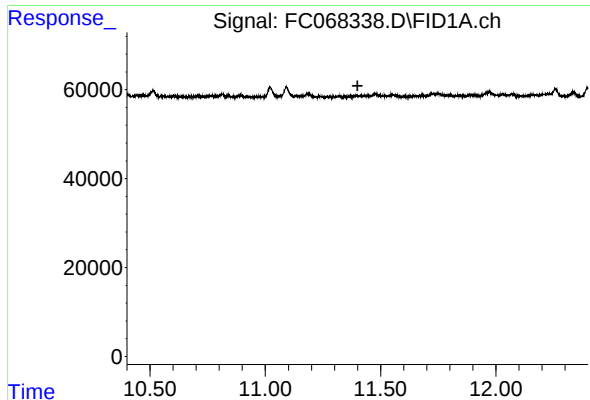
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Data File : FC068338.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 21:22
Operator : YP/AJ
Sample : Q1422-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
B-154-SB02

Integration File: autoint1.e
Quant Time: Mar 05 05:25:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

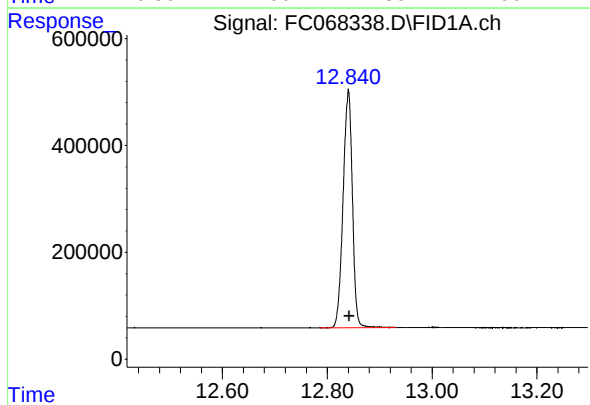




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.400 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
B-154-SB02



#12 1-chlorooctadecane (SURR)

R.T.: 12.840 min
Delta R.T.: -0.001 min
Response: 5478065
Conc: 48.71 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068338.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 21:22
 Sample : Q1422-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.360	2.304	2.405	BV	640	9479	0.17%	0.082%
2	2.432	2.405	2.457	PV	8657	66662	1.20%	0.578%
3	2.473	2.457	2.548	VV	1073	13336	0.24%	0.116%
4	2.591	2.548	2.635	VV	285	7354	0.13%	0.064%
5	2.655	2.635	2.708	VV	772	11306	0.20%	0.098%
6	2.742	2.708	2.771	VV	2543	36596	0.66%	0.317%
7	2.789	2.771	2.817	VV	2919	28750	0.52%	0.249%
8	2.839	2.817	2.901	VV	2550	29784	0.54%	0.258%
9	2.916	2.901	2.944	VV	308	5458	0.10%	0.047%
10	2.961	2.944	3.014	VV	1801	20526	0.37%	0.178%
11	3.026	3.014	3.055	VV	203	3414	0.06%	0.030%
12	3.061	3.055	3.090	VV	144	1935	0.03%	0.017%
13	3.104	3.090	3.145	VV	152	2680	0.05%	0.023%
14	3.208	3.145	3.268	PV	484	10379	0.19%	0.090%
15	3.303	3.268	3.318	VV	190	3559	0.06%	0.031%
16	3.334	3.318	3.391	VV	141	4650	0.08%	0.040%
17	3.403	3.391	3.445	VV	123	2642	0.05%	0.023%
18	3.498	3.445	3.513	VV	908	10864	0.20%	0.094%
19	3.525	3.513	3.551	VV	416	4456	0.08%	0.039%
20	3.570	3.551	3.593	VV	326	3691	0.07%	0.032%
21	3.625	3.593	3.632	VV	123	2562	0.05%	0.022%
22	3.637	3.632	3.671	VV	127	1897	0.03%	0.016%
23	3.695	3.671	3.753	VV	376	10338	0.19%	0.090%
24	3.776	3.753	3.804	VV	422	6570	0.12%	0.057%
25	3.813	3.804	3.834	VV	128	1670	0.03%	0.014%
26	3.865	3.834	3.877	VV	802	9164	0.17%	0.079%
27	3.893	3.877	3.941	VV	1475	18727	0.34%	0.162%
28	3.964	3.941	3.994	VV	278	5530	0.10%	0.048%
29	4.038	3.994	4.064	VV	1355	24680	0.44%	0.214%
30	4.080	4.064	4.123	VV	250	6015	0.11%	0.052%
31	4.135	4.123	4.141	VV	208	1280	0.02%	0.011%
32	4.164	4.141	4.204	VV	204	6030	0.11%	0.052%
33	4.214	4.204	4.238	VV	238	2986	0.05%	0.026%
34	4.263	4.238	4.291	VV	856	14503	0.26%	0.126%
35	4.300	4.291	4.343	VV	536	9186	0.17%	0.080%
36	4.369	4.343	4.393	VV	644	11528	0.21%	0.100%

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37	4.428	4.393	4.448	VV	1850	24081	0.43%	0.209%
38	4.459	4.448	4.466	VV	387	3793	0.07%	0.033%
39	4.483	4.466	4.497	VV	1374	14750	0.27%	0.128%
40	4.513	4.497	4.594	VV	2547	31089	0.56%	0.270%
41	4.629	4.594	4.688	VV	317	8364	0.15%	0.073%
42	4.707	4.688	4.754	VV	258	5581	0.10%	0.048%
43	4.812	4.754	4.834	VV	403	7222	0.13%	0.063%
44	4.890	4.834	4.925	VV	6263	78011	1.41%	0.677%
45	4.946	4.925	4.966	VV	1228	14402	0.26%	0.125%
46	4.973	4.966	5.038	VV	354	6454	0.12%	0.056%
47	5.080	5.038	5.110	VV	310	6279	0.11%	0.054%
48	5.131	5.110	5.183	VV	227	6068	0.11%	0.053%
49	5.191	5.183	5.199	VV	170	1184	0.02%	0.010%
50	5.204	5.199	5.227	VV	133	1120	0.02%	0.010%
51	5.259	5.227	5.271	VV	222	3507	0.06%	0.030%
52	5.292	5.271	5.308	VV	672	8323	0.15%	0.072%
53	5.331	5.308	5.371	VV	1876	23964	0.43%	0.208%
54	5.387	5.371	5.434	VV	484	7416	0.13%	0.064%
55	5.474	5.434	5.498	VV	393	7331	0.13%	0.064%
56	5.506	5.498	5.518	VV	110	800	0.01%	0.007%
57	5.531	5.518	5.542	PV	148	1280	0.02%	0.011%
58	5.584	5.542	5.604	VV	306	6403	0.12%	0.056%
59	5.621	5.604	5.631	VV	183	2322	0.04%	0.020%
60	5.663	5.631	5.708	VV	205	5676	0.10%	0.049%
61	5.741	5.708	5.765	VV	215	3365	0.06%	0.029%
62	5.798	5.765	5.824	VV	266	4610	0.08%	0.040%
63	5.839	5.824	5.868	VV	387	6903	0.12%	0.060%
64	5.886	5.868	5.908	VV	429	7282	0.13%	0.063%
65	5.929	5.908	5.958	VV	927	12369	0.22%	0.107%
66	5.989	5.958	6.028	VV	418	9232	0.17%	0.080%
67	6.060	6.028	6.099	VV	494	11826	0.21%	0.103%
68	6.107	6.099	6.125	VV	163	1724	0.03%	0.015%
69	6.154	6.125	6.215	VV	180	5914	0.11%	0.051%
70	6.269	6.215	6.299	VV	4236	51583	0.93%	0.447%
71	6.310	6.299	6.330	VV	428	5900	0.11%	0.051%
72	6.350	6.330	6.370	VV	992	12809	0.23%	0.111%
73	6.386	6.370	6.398	VV	551	6443	0.12%	0.056%
74	6.416	6.398	6.438	VV	1521	18242	0.33%	0.158%
75	6.451	6.438	6.470	VV	505	6594	0.12%	0.057%
76	6.488	6.470	6.521	VV	855	10362	0.19%	0.090%
77	6.536	6.521	6.572	VV	194	4092	0.07%	0.035%
78	6.583	6.572	6.613	VV	171	2931	0.05%	0.025%
79	6.634	6.613	6.644	VV	205	2965	0.05%	0.026%
80	6.659	6.644	6.686	VV	229	3468	0.06%	0.030%
81	6.707	6.686	6.737	VV	973	12861	0.23%	0.112%
82	6.760	6.737	6.793	VV	1021	20051	0.36%	0.174%
83	6.809	6.793	6.855	VV	1042	22745	0.41%	0.197%
84	6.886	6.855	6.914	VV	1706	26269	0.47%	0.228%
85	6.922	6.914	6.948	VV	298	4186	0.08%	0.036%
86	6.966	6.948	6.977	VV	350	4200	0.08%	0.036%
87	6.991	6.977	7.021	VV	456	6031	0.11%	0.052%
88	7.047	7.021	7.074	VV	4069	44843	0.81%	0.389%
89	7.121	7.074	7.141	VV	517	13666	0.25%	0.119%

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90	7.154	7.141	7.167	VV	712	7300	0.13%	0.063%
91	7.189	7.167	7.213	VV	1755	25213	0.45%	0.219%
92	7.225	7.213	7.234	VV	422	4719	0.09%	0.041%
93	7.249	7.234	7.265	VV	595	8652	0.16%	0.075%
94	7.279	7.265	7.311	VV	729	10283	0.19%	0.089%
95	7.356	7.311	7.376	VV	278	7188	0.13%	0.062%
96	7.398	7.376	7.421	VV	218	4349	0.08%	0.038%
97	7.448	7.421	7.488	VV	1457	17762	0.32%	0.154%
98	7.497	7.488	7.508	VV	168	1575	0.03%	0.014%
99	7.531	7.508	7.575	VV	275	7093	0.13%	0.062%
100	7.611	7.575	7.625	VV	439	6984	0.13%	0.061%
101	7.642	7.625	7.690	VV	363	8337	0.15%	0.072%
102	7.708	7.690	7.726	VV	398	4683	0.08%	0.041%
103	7.753	7.726	7.787	PV	1041	14610	0.26%	0.127%
104	7.808	7.787	7.828	VV	807	10246	0.18%	0.089%
105	7.846	7.828	7.860	VV	335	4980	0.09%	0.043%
106	7.877	7.860	7.898	VV	462	6272	0.11%	0.054%
107	7.909	7.898	7.931	VV	236	3643	0.07%	0.032%
108	7.965	7.931	8.031	VV	605	14430	0.26%	0.125%
109	8.057	8.031	8.130	VV	5520	79629	1.44%	0.691%
110	8.169	8.130	8.191	VV	714	18698	0.34%	0.162%
111	8.202	8.191	8.228	VV	659	9707	0.17%	0.084%
112	8.248	8.228	8.271	VV	512	8158	0.15%	0.071%
113	8.288	8.271	8.309	VV	787	9307	0.17%	0.081%
114	8.317	8.309	8.327	VV	115	1022	0.02%	0.009%
115	8.404	8.327	8.425	VV	892	25775	0.46%	0.224%
116	8.436	8.425	8.459	VV	437	8153	0.15%	0.071%
117	8.514	8.459	8.531	VV	779	22182	0.40%	0.192%
118	8.542	8.531	8.558	VV	661	8818	0.16%	0.076%
119	8.594	8.558	8.638	VV	1350	33504	0.60%	0.291%
120	8.655	8.638	8.683	VV	525	7613	0.14%	0.066%
121	8.708	8.683	8.724	VV	517	7053	0.13%	0.061%
122	8.775	8.724	8.798	VV	3109	42673	0.77%	0.370%
123	8.811	8.798	8.858	VV	1260	28747	0.52%	0.249%
124	8.889	8.858	8.940	VV	3180	60425	1.09%	0.524%
125	8.961	8.940	8.991	VV	726	11000	0.20%	0.095%
126	9.010	8.991	9.043	VV	498	7939	0.14%	0.069%
127	9.062	9.043	9.074	VV	234	3562	0.06%	0.031%
128	9.100	9.074	9.122	VV	417	7540	0.14%	0.065%
129	9.131	9.122	9.140	VV	199	1973	0.04%	0.017%
130	9.161	9.140	9.216	VV	488	14371	0.26%	0.125%
131	9.239	9.216	9.277	VV	1135	18185	0.33%	0.158%
132	9.299	9.277	9.324	VV	291	6141	0.11%	0.053%
133	9.334	9.324	9.358	VV	272	3555	0.06%	0.031%
134	9.380	9.358	9.407	VV	547	8898	0.16%	0.077%
135	9.433	9.407	9.485	VV	530	12019	0.22%	0.104%
136	9.491	9.485	9.509	VV	221	2075	0.04%	0.018%
137	9.524	9.509	9.548	VV	202	2119	0.04%	0.018%
138	9.576	9.548	9.624	VV	430	10136	0.18%	0.088%
139	9.653	9.624	9.703	VV	2245	34219	0.62%	0.297%
140	9.722	9.703	9.785	VV	386	13951	0.25%	0.121%
141	9.797	9.785	9.811	VV	256	3386	0.06%	0.029%

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142	9.824	9.811	9.884	VV	216	4859	0.09%	0.042%
143	9.925	9.884	9.944	VV	260	6467	0.12%	0.056%
144	9.968	9.944	9.991	VV	486	9241	0.17%	0.080%
145	10.045	9.991	10.061	VV	583	15152	0.27%	0.131%
146	10.079	10.061	10.104	VV	507	9343	0.17%	0.081%
147	10.127	10.104	10.194	VV	409	14402	0.26%	0.125%
148	10.210	10.194	10.224	VV	235	3393	0.06%	0.029%
149	10.249	10.224	10.266	VV	497	8810	0.16%	0.076%
150	10.280	10.266	10.301	VV	457	7329	0.13%	0.064%
151	10.332	10.301	10.354	VV	584	13707	0.25%	0.119%
152	10.391	10.354	10.421	VV	944	23536	0.42%	0.204%
153	10.443	10.421	10.454	VV	572	8400	0.15%	0.073%
154	10.472	10.454	10.487	VV	557	9523	0.17%	0.083%
155	10.514	10.487	10.555	VV	1601	30475	0.55%	0.264%
156	10.577	10.555	10.592	VV	338	6571	0.12%	0.057%
157	10.607	10.592	10.659	VV	537	9729	0.18%	0.084%
158	10.710	10.659	10.736	VV	341	11383	0.21%	0.099%
159	10.812	10.736	10.828	VV	718	21257	0.38%	0.184%
160	10.841	10.828	10.861	VV	492	5759	0.10%	0.050%
161	10.892	10.861	10.934	VV	381	10242	0.18%	0.089%
162	10.960	10.934	10.972	VV	204	2754	0.05%	0.024%
163	11.021	10.972	11.055	VV	2404	39555	0.71%	0.343%
164	11.092	11.055	11.123	VV	2357	38944	0.70%	0.338%
165	11.140	11.123	11.154	VV	344	5748	0.10%	0.050%
166	11.184	11.154	11.221	VV	850	17103	0.31%	0.148%
167	11.241	11.221	11.255	VV	178	2630	0.05%	0.023%
168	11.279	11.255	11.288	VV	136	1827	0.03%	0.016%
169	11.296	11.288	11.300	VV	166	803	0.01%	0.007%
170	11.314	11.300	11.351	VV	182	3967	0.07%	0.034%
171	11.442	11.351	11.454	VV	405	17813	0.32%	0.155%
172	11.476	11.454	11.513	VV	680	14847	0.27%	0.129%
173	11.551	11.513	11.588	VV	579	15928	0.29%	0.138%
174	11.602	11.588	11.618	VV	190	2699	0.05%	0.023%
175	11.628	11.618	11.638	VV	225	1915	0.03%	0.017%
176	11.723	11.638	11.734	VV	721	21299	0.38%	0.185%
177	11.748	11.734	11.776	VV	795	15119	0.27%	0.131%
178	11.799	11.776	11.823	VV	445	10992	0.20%	0.095%
179	11.835	11.823	11.871	VV	375	8487	0.15%	0.074%
180	11.894	11.871	11.930	VV	521	13981	0.25%	0.121%
181	11.971	11.930	12.014	VV	1177	32514	0.59%	0.282%
182	12.029	12.014	12.049	VV	674	10320	0.19%	0.090%
183	12.068	12.049	12.101	VV	694	12912	0.23%	0.112%
184	12.163	12.101	12.185	VV	497	16175	0.29%	0.140%
185	12.258	12.185	12.284	VV	1891	45263	0.82%	0.393%
186	12.295	12.284	12.307	VV	235	2637	0.05%	0.023%
187	12.335	12.307	12.366	VV	1076	16935	0.31%	0.147%
188	12.396	12.366	12.418	VV	1986	26022	0.47%	0.226%
189	12.428	12.418	12.445	VV	313	4693	0.08%	0.041%
190	12.454	12.445	12.471	VV	311	3829	0.07%	0.033%
191	12.481	12.471	12.498	VV	190	2456	0.04%	0.021%
192	12.513	12.498	12.551	VV	262	6379	0.11%	0.055%
193	12.560	12.551	12.596	VV	130	1905	0.03%	0.017%
194	12.675	12.621	12.711	PV	354	9220	0.17%	0.080%

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195	12.719	12.711	12.738	VV	243	2430	0.04%	0.021%
196	12.769	12.738	12.784	VV	294	5417	0.10%	0.047%
197	12.840	12.784	12.981	VV	447510	5548430	100.00%	48.129%
198	13.007	12.981	13.040	VV	1027	26791	0.48%	0.232%
199	13.063	13.040	13.099	VV	648	19567	0.35%	0.170%
200	13.120	13.099	13.177	VV	457	17720	0.32%	0.154%
201	13.198	13.177	13.240	VV	548	16419	0.30%	0.142%
202	13.292	13.240	13.330	VV	758	26184	0.47%	0.227%
203	13.344	13.330	13.371	VV	362	6796	0.12%	0.059%
204	13.393	13.371	13.414	VV	366	7480	0.13%	0.065%
205	13.460	13.414	13.487	VV	474	15042	0.27%	0.130%
206	13.498	13.487	13.506	VV	337	2991	0.05%	0.026%
207	13.540	13.506	13.564	VV	798	16559	0.30%	0.144%
208	13.592	13.564	13.633	VV	1873	31153	0.56%	0.270%
209	13.646	13.633	13.718	VV	345	10664	0.19%	0.093%
210	13.721	13.718	13.753	VV	199	2370	0.04%	0.021%
211	13.766	13.753	13.778	VV	204	1784	0.03%	0.015%
212	13.783	13.778	13.786	VV	133	566	0.01%	0.005%
213	13.811	13.786	13.906	VV	345	18648	0.34%	0.162%
214	13.927	13.906	13.939	VV	287	4914	0.09%	0.043%
215	14.030	13.939	14.068	VV	1141	34553	0.62%	0.300%
216	14.078	14.068	14.098	VV	434	6472	0.12%	0.056%
217	14.109	14.098	14.132	VV	409	6589	0.12%	0.057%
218	14.154	14.132	14.191	VV	602	14142	0.25%	0.123%
219	14.245	14.191	14.268	VV	383	15858	0.29%	0.138%
220	14.299	14.268	14.385	VV	515	27461	0.49%	0.238%
221	14.402	14.385	14.424	VV	464	8789	0.16%	0.076%
222	14.466	14.424	14.534	VV	548	26716	0.48%	0.232%
223	14.541	14.534	14.581	VV	330	7525	0.14%	0.065%
224	14.651	14.581	14.670	VV	801	19450	0.35%	0.169%
225	14.694	14.670	14.733	VV	1767	33911	0.61%	0.294%
226	14.745	14.733	14.799	VV	336	8320	0.15%	0.072%
227	14.804	14.799	14.839	VV	182	3103	0.06%	0.027%
228	14.864	14.839	14.988	VV	427	17093	0.31%	0.148%
229	15.004	14.988	15.051	VV	187	3839	0.07%	0.033%
230	15.058	15.051	15.067	VV	152	1077	0.02%	0.009%
231	15.115	15.067	15.155	VV	357	10544	0.19%	0.091%
232	15.175	15.155	15.185	VV	187	3149	0.06%	0.027%
233	15.212	15.185	15.293	VV	712	18090	0.33%	0.157%
234	15.332	15.293	15.414	VV	241	13601	0.25%	0.118%
235	15.420	15.414	15.472	VV	265	6138	0.11%	0.053%
236	15.534	15.472	15.647	VV	381	25057	0.45%	0.217%
237	15.713	15.647	15.834	VV	1811	45285	0.82%	0.393%
238	15.858	15.834	15.884	VV	142	3028	0.05%	0.026%
239	15.903	15.884	15.931	VV	131	2760	0.05%	0.024%
240	15.954	15.931	15.974	VV	151	2015	0.04%	0.017%
241	16.033	15.974	16.128	VV	194	10607	0.19%	0.092%
242	16.195	16.128	16.313	PV	1054	31438	0.57%	0.273%
243	16.362	16.313	16.421	VV	263	12170	0.22%	0.106%
244	16.430	16.421	16.464	VV	199	4025	0.07%	0.035%
245	16.493	16.464	16.521	VV	240	6404	0.12%	0.056%
246	16.555	16.521	16.598	VV	359	12265	0.22%	0.106%

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247	16.661	16.598	16.726	VV	2486	54266	0.98%	0.471%
248	16.756	16.726	16.804	VV	189	8681	0.16%	0.075%
249	16.854	16.804	16.907	VV	202	7031	0.13%	0.061%
250	16.952	16.907	17.054	PV	213	11961	0.22%	0.104%
251	17.111	17.054	17.181	VV	2506	46214	0.83%	0.401%
252	17.216	17.181	17.279	VV	315	11389	0.21%	0.099%
253	17.308	17.279	17.338	VV	244	5306	0.10%	0.046%
254	17.393	17.338	17.421	VV	274	8454	0.15%	0.073%
255	17.546	17.421	17.644	VV	3655	77641	1.40%	0.673%
256	17.707	17.644	17.738	VV	244	9430	0.17%	0.082%
257	17.754	17.738	17.776	VV	107	2324	0.04%	0.020%
258	17.827	17.776	17.877	PV	275	8656	0.16%	0.075%
259	17.969	17.877	18.012	VV	3461	59055	1.06%	0.512%
260	18.036	18.012	18.072	VV	189	4587	0.08%	0.040%
261	18.233	18.072	18.318	PV	304	13644	0.25%	0.118%
262	18.377	18.318	18.478	VV	3754	74000	1.33%	0.642%
263	18.637	18.478	18.664	PV	218	9476	0.17%	0.082%
264	18.775	18.664	18.834	PV	2595	44029	0.79%	0.382%
265	18.956	18.834	18.988	VV	265	10126	0.18%	0.088%
266	19.026	18.988	19.046	VV	330	5795	0.10%	0.050%
267	19.073	19.046	19.087	VV	225	3776	0.07%	0.033%
268	19.161	19.087	19.227	VV	2940	62738	1.13%	0.544%
269	19.468	19.227	19.504	VV	515	52689	0.95%	0.457%
270	19.536	19.504	19.598	VV	2097	49356	0.89%	0.428%
271	19.801	19.598	19.829	VV	1184	100313	1.81%	0.870%
272	19.900	19.829	19.941	VV	2868	97891	1.76%	0.849%
273	19.964	19.941	19.988	VV	1382	35573	0.64%	0.309%
274	20.256	19.988	20.291	VV	2657	278828	5.03%	2.419%
275	20.433	20.291	20.498	VV	2738	275790	4.97%	2.392%
276	20.612	20.498	20.668	VV	3529	270865	4.88%	2.350%
277	20.699	20.668	20.761	VV	2390	129249	2.33%	1.121%
278	20.781	20.761	20.827	VV	2250	85066	1.53%	0.738%
279	20.845	20.827	20.881	VV	2076	64468	1.16%	0.559%
280	20.933	20.881	20.973	VV	1996	107181	1.93%	0.930%
281	21.016	20.973	21.051	VV	2046	87438	1.58%	0.758%
282	21.069	21.051	21.091	VV	1727	40899	0.74%	0.355%
283	21.225	21.091	21.254	VV	1711	165520	2.98%	1.436%
284	21.297	21.254	21.388	VV	1694	124229	2.24%	1.078%
285	21.464	21.388	21.508	VV	1921	113542	2.05%	0.985%
286	21.537	21.508	21.614	VV	1596	85039	1.53%	0.738%
287	21.638	21.614	21.684	VV	1123	44306	0.80%	0.384%
288	21.703	21.684	21.768	VV	1044	48220	0.87%	0.418%
289	21.786	21.768	21.861	VV	893	42893	0.77%	0.372%
290	21.885	21.861	21.911	VV	688	19094	0.34%	0.166%
291	21.920	21.911	21.944	VV	627	11229	0.20%	0.097%
292	21.971	21.944	21.998	VV	562	17072	0.31%	0.148%
293	22.009	21.998	22.191	VV	506	32315	0.58%	0.280%
Sum of corrected areas:					11528220			

Aliphatic EPH 021125.M Sat Mar 01 01:34:14 2025

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB02	SDG No.:	Q1422
Lab Sample ID:	Q1422-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049146.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.34	U	0.34	0.76	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.45	J	0.39	1.14	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.77	J	1.10	1.91	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.29	U	2.29	3.05	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	63.0		40 - 140	126%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	66.7		40 - 140	133%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.6		40 - 140	87%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1422-02	Acq On:	28 Feb 2025 21:22
Client Sample ID:	B-154-SB02	Operator:	YP/AJ
Data file:	FD049146.D	Misc:	
Instrument:	FID_D	ALS Vial:	75
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	714445	4.493	200	ug/ml
Aromatic C12-C16	5.795	8.396	948596	5.894	300	ug/ml
Aromatic C16-C21	8.397	12.661	3553201	23.169	500	ug/ml
Aromatic C21-C36	12.662	18.073	4005761	27.99	800	ug/ml
Aromatic EPH	4.076	18.073	9222003	61.546		ug/ml
2-Bromonaphthalene (SURRE)	7.352	7.352	9010697	62.96		ug/ml
2-Fluorobiphenyl (SURRE)	8.201	8.201	5866189	66.73		ug/ml
ortho-Terphenyl (SURRE)	11.235	11.235	7059553	43.64		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049146.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 21:22
 Operator : YP/AJ
 Sample : Q1422-02
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 B-154-SB02

Integration File: autoint1.e
 Quant Time: Mar 01 02:22:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.352	9010697	62.964 ug/ml
Spiked Amount 50.000		Recovery =	125.93%
6) S 2-Fluorobiphenyl (SURR)	8.201	5866189	66.728 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	133.46%#
11) S ortho-Terphenyl (SURR)	11.235	7059553	43.638 ug/ml
Spiked Amount 50.000		Recovery =	87.28%

Target Compounds

(f)=RT Delta > 1/2 Window

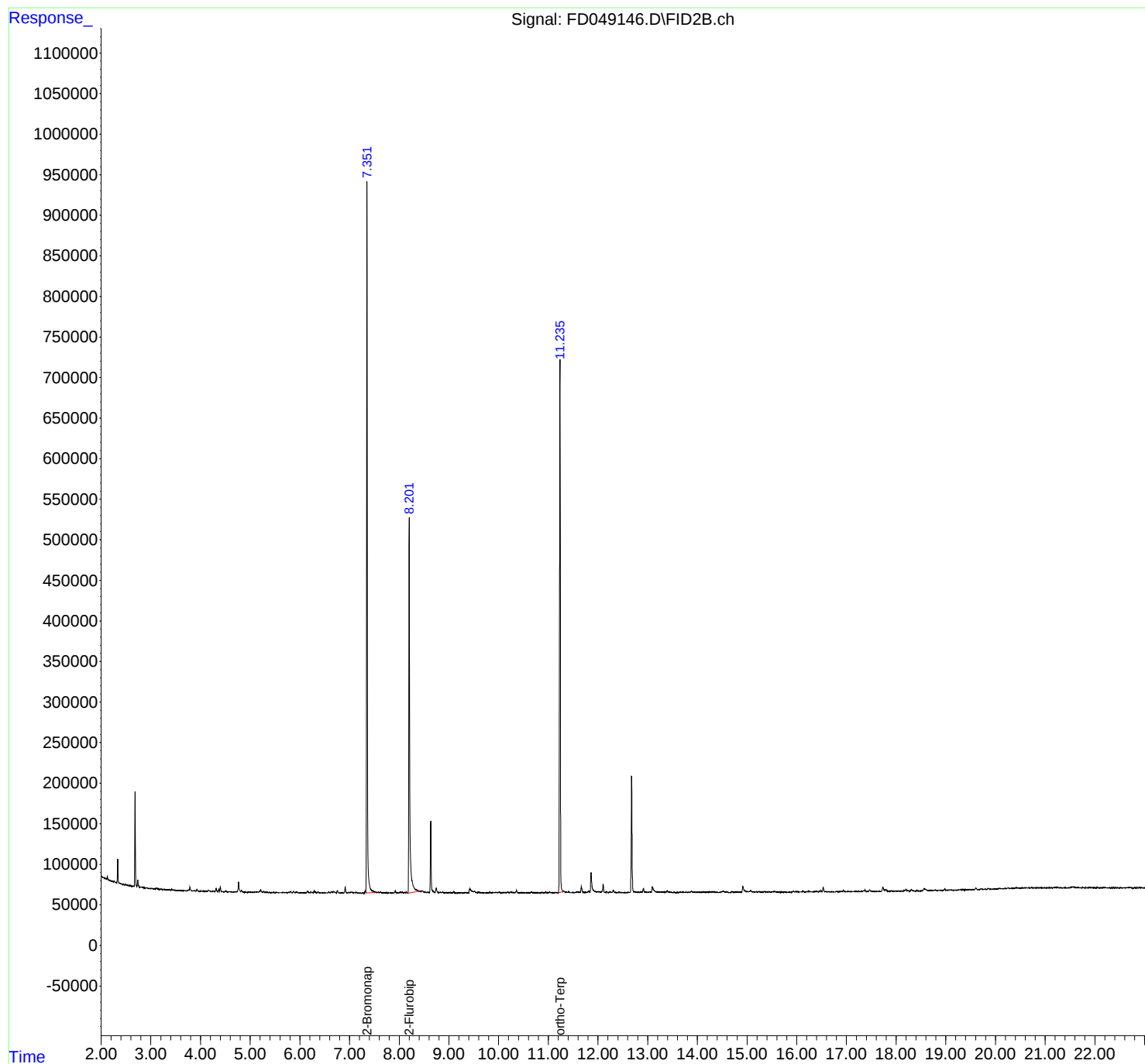
(m)=manual int.

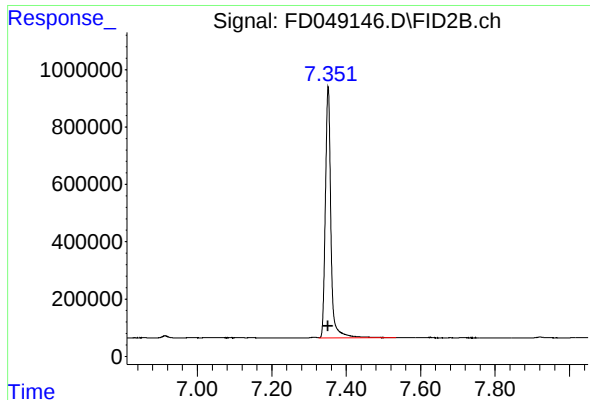
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049146.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 21:22
Operator : YP/AJ
Sample : Q1422-02
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
B-154-SB02

Integration File: autoint1.e
Quant Time: Mar 01 02:22:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

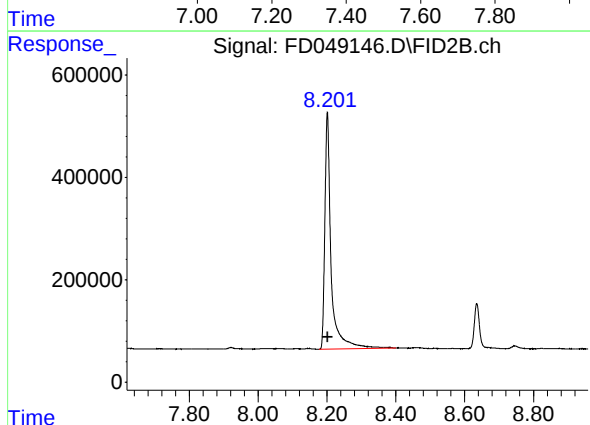




#4 2-Bromonaphthalene (SURR)

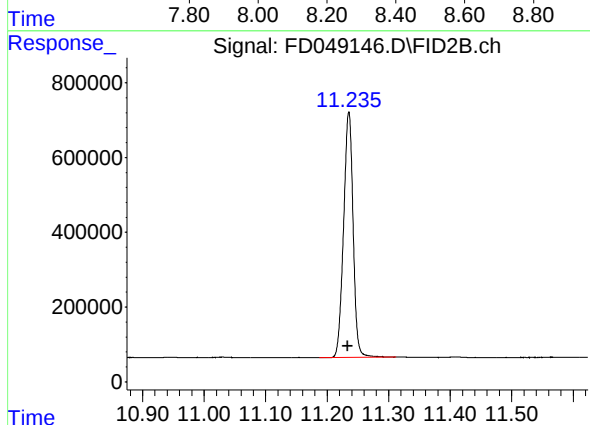
R.T.: 7.352 min
Delta R.T.: 0.000 min
Response: 9010697
Conc: 62.96 ug/ml

Instrument :
FID_D
ClientSampleId :
B-154-SB02



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.201 min
Delta R.T.: -0.001 min
Response: 5866189
Conc: 66.73 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.235 min
Delta R.T.: 0.002 min
Response: 7059553
Conc: 43.64 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049146.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 21:22
 Sample : Q1422-02
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.053	4.042	4.104	BV	195	4216	0.05%	0.013%
2	4.133	4.124	4.145	PV	202	1187	0.01%	0.004%
3	4.162	4.145	4.217	VV	1826	31155	0.34%	0.099%
4	4.223	4.217	4.240	VV	225	1908	0.02%	0.006%
5	4.261	4.240	4.291	VV	926	12446	0.14%	0.039%
6	4.315	4.291	4.346	VV	4403	50902	0.56%	0.161%
7	4.370	4.346	4.383	VV	3468	37956	0.42%	0.120%
8	4.399	4.383	4.473	VV	6235	81647	0.90%	0.259%
9	4.511	4.473	4.555	PV	1146	24544	0.27%	0.078%
10	4.581	4.555	4.597	VV	713	9709	0.11%	0.031%
11	4.601	4.597	4.631	VV	510	5941	0.07%	0.019%
12	4.634	4.631	4.640	VV	314	1146	0.01%	0.004%
13	4.645	4.640	4.660	VV	363	1722	0.02%	0.005%
14	4.689	4.660	4.703	PV	676	9296	0.10%	0.029%
15	4.712	4.703	4.724	VV	451	4600	0.05%	0.015%
16	4.731	4.724	4.738	VV	517	3894	0.04%	0.012%
17	4.767	4.738	4.810	VV	12820	176254	1.94%	0.559%
18	4.826	4.810	4.851	VV	2607	33772	0.37%	0.107%
19	4.858	4.851	4.878	VV	435	5055	0.06%	0.016%
20	4.882	4.878	4.889	VV	209	1170	0.01%	0.004%
21	4.894	4.889	4.920	VV	407	3277	0.04%	0.010%
22	4.936	4.930	4.945	VV	256	1529	0.02%	0.005%
23	4.968	4.945	4.993	VV	635	10417	0.11%	0.033%
24	5.006	4.993	5.023	VV	320	3667	0.04%	0.012%
25	5.029	5.023	5.034	VV	259	1195	0.01%	0.004%
26	5.045	5.034	5.055	VV	277	2869	0.03%	0.009%
27	5.067	5.055	5.077	VV	293	3071	0.03%	0.010%
28	5.101	5.077	5.121	VV	780	13935	0.15%	0.044%
29	5.140	5.121	5.164	VV	976	18467	0.20%	0.059%
30	5.187	5.164	5.199	VV	1585	22588	0.25%	0.072%
31	5.212	5.199	5.255	VV	3839	53287	0.59%	0.169%
32	5.269	5.255	5.295	VV	1175	17338	0.19%	0.055%
33	5.299	5.295	5.323	VV	540	6369	0.07%	0.020%
34	5.337	5.323	5.341	VV	532	4448	0.05%	0.014%
35	5.350	5.341	5.371	VV	551	6642	0.07%	0.021%
36	5.376	5.371	5.398	VV	255	2774	0.03%	0.009%

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37	5.428	5.398	5.452	VV	274	4424	0.05%	0.014%
38	5.466	5.452	5.490	VV	423	5210	0.06%	0.017%
39	5.495	5.490	5.505	VV	246	1289	0.01%	0.004%
40	5.516	5.505	5.529	VV	347	2244	0.02%	0.007%
41	5.537	5.529	5.558	VV	202	1620	0.02%	0.005%
42	5.588	5.574	5.608	PV	166	2131	0.02%	0.007%
43	5.621	5.608	5.625	VV	235	1162	0.01%	0.004%
44	5.648	5.625	5.663	VV	463	4836	0.05%	0.015%
45	5.688	5.663	5.710	VV	389	5238	0.06%	0.017%
46	5.729	5.710	5.749	VV	520	6595	0.07%	0.021%
47	5.773	5.749	5.796	VV	927	13519	0.15%	0.043%
48	5.815	5.796	5.854	VV	1962	30243	0.33%	0.096%
49	5.870	5.854	5.895	VV	1895	21397	0.24%	0.068%
50	5.937	5.895	5.979	VV	1060	24310	0.27%	0.077%
51	5.986	5.979	5.993	VV	206	1178	0.01%	0.004%
52	5.997	5.993	6.009	VV	218	1376	0.02%	0.004%
53	6.010	6.009	6.030	VV	240	1612	0.02%	0.005%
54	6.046	6.039	6.053	VV	172	1197	0.01%	0.004%
55	6.059	6.053	6.081	VV	196	2379	0.03%	0.008%
56	6.154	6.098	6.198	VV	2294	42708	0.47%	0.135%
57	6.222	6.198	6.245	VV	1819	22396	0.25%	0.071%
58	6.265	6.245	6.274	VV	1073	10802	0.12%	0.034%
59	6.293	6.274	6.349	VV	3029	49581	0.55%	0.157%
60	6.368	6.349	6.392	VV	1720	22360	0.25%	0.071%
61	6.398	6.392	6.404	VV	266	1048	0.01%	0.003%
62	6.418	6.404	6.426	VV	254	2396	0.03%	0.008%
63	6.443	6.435	6.475	VV	358	4708	0.05%	0.015%
64	6.484	6.475	6.492	VV	216	1646	0.02%	0.005%
65	6.506	6.492	6.517	VV	444	3523	0.04%	0.011%
66	6.526	6.517	6.545	VV	241	2834	0.03%	0.009%
67	6.549	6.545	6.561	VV	212	1167	0.01%	0.004%
68	6.580	6.561	6.614	PV	1786	22497	0.25%	0.071%
69	6.632	6.614	6.655	VV	1570	27482	0.30%	0.087%
70	6.679	6.655	6.692	VV	2077	31356	0.34%	0.099%
71	6.704	6.692	6.730	VV	1490	20789	0.23%	0.066%
72	6.757	6.730	6.815	VV	3342	50122	0.55%	0.159%
73	6.831	6.815	6.844	VV	556	6701	0.07%	0.021%
74	6.857	6.844	6.882	VV	875	10477	0.12%	0.033%
75	6.913	6.882	6.947	VV	7503	85348	0.94%	0.271%
76	6.951	6.947	6.960	VV	356	2019	0.02%	0.006%
77	6.990	6.960	7.010	VV	1193	22894	0.25%	0.073%
78	7.024	7.010	7.039	VV	1384	16919	0.19%	0.054%
79	7.061	7.039	7.081	VV	1487	25343	0.28%	0.080%
80	7.088	7.081	7.099	VV	757	6894	0.08%	0.022%
81	7.114	7.099	7.131	VV	1196	16538	0.18%	0.052%
82	7.146	7.131	7.170	VV	1514	19313	0.21%	0.061%
83	7.177	7.170	7.202	VV	400	5248	0.06%	0.017%
84	7.209	7.202	7.237	VV	394	3814	0.04%	0.012%
85	7.258	7.237	7.264	PV	472	4467	0.05%	0.014%
86	7.270	7.264	7.289	VV	416	3887	0.04%	0.012%
87	7.314	7.289	7.327	VV	2596	29085	0.32%	0.092%
88	7.352	7.327	7.534	VV	877854	9096036	100.00%	28.844%
89	7.538	7.534	7.561	VV	1172	17174	0.19%	0.054%

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90	7.581	7.561	7.607	VV	1195	27337	0.30%	0.087%
91	7.624	7.607	7.668	VV	1795	34491	0.38%	0.109%
92	7.679	7.668	7.694	VV	705	8696	0.10%	0.028%
93	7.715	7.694	7.733	VV	845	15671	0.17%	0.050%
94	7.737	7.733	7.751	VV	607	6199	0.07%	0.020%
95	7.755	7.751	7.763	VV	522	2779	0.03%	0.009%
96	7.772	7.763	7.776	VV	332	2287	0.03%	0.007%
97	7.783	7.776	7.789	VV	509	2957	0.03%	0.009%
98	7.815	7.789	7.827	VV	554	9074	0.10%	0.029%
99	7.832	7.827	7.849	VV	484	4639	0.05%	0.015%
100	7.869	7.849	7.883	VV	591	8437	0.09%	0.027%
101	7.921	7.883	7.959	VV	3324	53786	0.59%	0.171%
102	7.966	7.959	7.990	VV	640	8301	0.09%	0.026%
103	8.011	7.990	8.015	VV	1190	10046	0.11%	0.032%
104	8.019	8.015	8.052	VV	1237	22547	0.25%	0.071%
105	8.067	8.052	8.092	VV	1273	19542	0.21%	0.062%
106	8.113	8.092	8.134	VV	1170	18101	0.20%	0.057%
107	8.146	8.134	8.174	VV	1352	16478	0.18%	0.052%
108	8.201	8.174	8.400	VV	463600	6028512	66.28%	19.117%
109	8.407	8.400	8.420	VV	2640	29359	0.32%	0.093%
110	8.425	8.420	8.439	VV	2514	25438	0.28%	0.081%
111	8.458	8.439	8.507	VV	3188	88439	0.97%	0.280%
112	8.513	8.507	8.549	VV	1805	30375	0.33%	0.096%
113	8.565	8.549	8.594	VV	1423	29696	0.33%	0.094%
114	8.635	8.594	8.684	VV	89196	984307	10.82%	3.121%
115	8.688	8.684	8.719	VV	2216	30151	0.33%	0.096%
116	8.746	8.719	8.799	VV	6489	120322	1.32%	0.382%
117	8.803	8.799	8.808	VV	873	4339	0.05%	0.014%
118	8.824	8.808	8.840	VV	1554	22132	0.24%	0.070%
119	8.873	8.840	8.900	VV	1334	34211	0.38%	0.108%
120	8.906	8.900	8.914	VV	720	5013	0.06%	0.016%
121	8.933	8.914	8.962	VV	793	17946	0.20%	0.057%
122	8.967	8.962	8.986	VV	535	6720	0.07%	0.021%
123	9.018	8.986	9.032	VV	1205	20495	0.23%	0.065%
124	9.037	9.032	9.068	VV	904	13869	0.15%	0.044%
125	9.097	9.068	9.122	VV	1826	30143	0.33%	0.096%
126	9.129	9.122	9.147	VV	311	3591	0.04%	0.011%
127	9.150	9.147	9.157	VV	277	1265	0.01%	0.004%
128	9.174	9.157	9.188	VV	509	6589	0.07%	0.021%
129	9.193	9.188	9.198	VV	478	2381	0.03%	0.008%
130	9.204	9.198	9.216	VV	541	3363	0.04%	0.011%
131	9.243	9.216	9.271	VV	1028	15726	0.17%	0.050%
132	9.300	9.271	9.307	PV	521	6741	0.07%	0.021%
133	9.308	9.307	9.329	VV	515	5411	0.06%	0.017%
134	9.341	9.329	9.357	VV	799	8859	0.10%	0.028%
135	9.367	9.357	9.395	VV	575	10181	0.11%	0.032%
136	9.419	9.395	9.499	VV	4945	173108	1.90%	0.549%
137	9.514	9.499	9.562	VV	2745	57920	0.64%	0.184%
138	9.595	9.562	9.609	VV	1465	28974	0.32%	0.092%
139	9.611	9.609	9.615	VV	969	3892	0.04%	0.012%
140	9.619	9.615	9.640	VV	1025	10555	0.12%	0.033%
141	9.645	9.640	9.672	VV	584	10157	0.11%	0.032%

					rteres			
142	9.678	9.672	9.698	VV	470	6358	0.07%	0.020%
143	9.709	9.698	9.737	VV	390	6190	0.07%	0.020%
144	9.755	9.737	9.772	VV	545	7532	0.08%	0.024%
145	9.786	9.772	9.796	VV	762	7721	0.08%	0.024%
146	9.823	9.796	9.849	VV	1293	23881	0.26%	0.076%
147	9.860	9.849	9.865	VV	648	5003	0.06%	0.016%
148	9.877	9.865	9.888	VV	675	8127	0.09%	0.026%
149	9.905	9.888	9.919	VV	900	13216	0.15%	0.042%
150	9.934	9.919	9.939	VV	793	7412	0.08%	0.024%
151	9.942	9.939	9.959	VV	654	7159	0.08%	0.023%
152	9.972	9.959	9.976	VV	836	6468	0.07%	0.021%
153	9.983	9.976	9.997	VV	733	7990	0.09%	0.025%
154	10.012	9.997	10.055	VV	1654	24019	0.26%	0.076%
155	10.065	10.055	10.076	VV	400	3652	0.04%	0.012%
156	10.099	10.076	10.120	VV	996	17852	0.20%	0.057%
157	10.125	10.120	10.157	VV	760	12487	0.14%	0.040%
158	10.184	10.157	10.211	VV	1522	28121	0.31%	0.089%
159	10.217	10.211	10.226	VV	794	6236	0.07%	0.020%
160	10.254	10.226	10.280	VV	1398	30658	0.34%	0.097%
161	10.292	10.280	10.308	VV	1037	12111	0.13%	0.038%
162	10.322	10.308	10.335	VV	841	10794	0.12%	0.034%
163	10.362	10.335	10.391	VV	3147	48067	0.53%	0.152%
164	10.395	10.391	10.399	VV	496	1811	0.02%	0.006%
165	10.404	10.399	10.424	VV	512	5843	0.06%	0.019%
166	10.429	10.424	10.438	VV	445	2932	0.03%	0.009%
167	10.459	10.438	10.483	VV	725	10532	0.12%	0.033%
168	10.490	10.483	10.508	VV	448	4631	0.05%	0.015%
169	10.529	10.508	10.542	VV	521	7463	0.08%	0.024%
170	10.545	10.542	10.582	VV	489	9209	0.10%	0.029%
171	10.601	10.591	10.620	VV	518	5351	0.06%	0.017%
172	10.637	10.620	10.642	VV	448	4493	0.05%	0.014%
173	10.663	10.642	10.684	VV	1262	16919	0.19%	0.054%
174	10.702	10.684	10.732	VV	546	9394	0.10%	0.030%
175	10.762	10.732	10.780	VV	392	7707	0.08%	0.024%
176	10.785	10.780	10.797	VV	282	1814	0.02%	0.006%
177	10.804	10.797	10.812	VV	217	1254	0.01%	0.004%
178	10.883	10.830	10.913	VV	642	14025	0.15%	0.044%
179	10.945	10.913	10.970	VV	1279	18372	0.20%	0.058%
180	10.980	10.970	11.004	VV	546	7639	0.08%	0.024%
181	11.029	11.004	11.052	VV	1452	23744	0.26%	0.075%
182	11.056	11.052	11.088	VV	409	5941	0.07%	0.019%
183	11.093	11.088	11.127	VV	443	4888	0.05%	0.016%
184	11.153	11.127	11.162	VV	559	8326	0.09%	0.026%
185	11.167	11.162	11.196	VV	374	4130	0.05%	0.013%
186	11.235	11.196	11.312	VV	657157	7117466	78.25%	22.570%
187	11.317	11.312	11.338	VV	1779	22642	0.25%	0.072%
188	11.343	11.338	11.383	VV	1134	22641	0.25%	0.072%
189	11.410	11.383	11.434	VV	1881	33091	0.36%	0.105%
190	11.441	11.434	11.456	VV	443	5076	0.06%	0.016%
191	11.463	11.456	11.475	VV	426	4009	0.04%	0.013%
192	11.478	11.475	11.485	VV	371	2024	0.02%	0.006%
193	11.521	11.485	11.526	VV	651	10806	0.12%	0.034%
194	11.532	11.526	11.541	VV	688	4755	0.05%	0.015%

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195	11.565	11.541	11.578	VV	1323	19999	0.22%	0.063%
196	11.587	11.578	11.611	VV	1289	20589	0.23%	0.065%
197	11.616	11.611	11.632	VV	884	10008	0.11%	0.032%
198	11.667	11.632	11.718	VV	7791	126873	1.39%	0.402%
199	11.733	11.718	11.744	VV	910	10622	0.12%	0.034%
200	11.757	11.744	11.780	VV	1009	15618	0.17%	0.050%
201	11.813	11.780	11.840	VV	2433	48900	0.54%	0.155%
202	11.861	11.840	11.933	VV	25148	442008	4.86%	1.402%
203	11.939	11.933	12.012	VV	2015	67194	0.74%	0.213%
204	12.019	12.012	12.059	VV	1239	29557	0.32%	0.094%
205	12.103	12.059	12.132	VV	10504	155765	1.71%	0.494%
206	12.146	12.132	12.158	VV	804	10441	0.11%	0.033%
207	12.174	12.158	12.208	VV	1597	26992	0.30%	0.086%
208	12.243	12.208	12.259	VV	1563	23049	0.25%	0.073%
209	12.262	12.259	12.270	VV	724	4277	0.05%	0.014%
210	12.310	12.270	12.344	VV	3308	57111	0.63%	0.181%
211	12.347	12.344	12.354	VV	425	1996	0.02%	0.006%
212	12.366	12.354	12.390	VV	510	7825	0.09%	0.025%
213	12.391	12.390	12.410	VV	353	2085	0.02%	0.007%
214	12.420	12.410	12.439	VV	1051	3665	0.04%	0.012%
215	12.444	12.439	12.467	VV	384	3734	0.04%	0.012%
216	12.496	12.467	12.514	VV	557	11228	0.12%	0.036%
217	12.519	12.514	12.540	VV	483	6133	0.07%	0.019%
218	12.563	12.540	12.576	VV	452	6698	0.07%	0.021%
219	12.602	12.576	12.626	VV	607	12683	0.14%	0.040%
220	12.638	12.626	12.641	VV	496	3967	0.04%	0.013%
221	12.675	12.641	12.727	VV	143386	1710349	18.80%	5.424%
222	12.731	12.727	12.797	VV	1338	34350	0.38%	0.109%
223	12.810	12.797	12.816	VV	595	5978	0.07%	0.019%
224	12.856	12.816	12.882	VV	846	26155	0.29%	0.083%
225	12.914	12.882	12.980	VV	5196	99642	1.10%	0.316%
226	12.991	12.980	13.012	VV	717	12629	0.14%	0.040%
227	13.043	13.012	13.074	VV	974	27656	0.30%	0.088%
228	13.095	13.074	13.164	VV	7306	176076	1.94%	0.558%
229	13.170	13.164	13.210	VV	1248	28692	0.32%	0.091%
230	13.226	13.210	13.249	VV	880	18490	0.20%	0.059%
231	13.257	13.249	13.299	VV	906	25391	0.28%	0.081%
232	13.305	13.299	13.325	VV	910	11220	0.12%	0.036%
233	13.393	13.325	13.413	VV	1768	53591	0.59%	0.170%
234	13.432	13.413	13.508	VV	1497	36748	0.40%	0.117%
235	13.538	13.508	13.565	VV	522	10109	0.11%	0.032%
236	13.571	13.565	13.605	VV	265	2714	0.03%	0.009%
237	13.660	13.605	13.683	VV	390	11193	0.12%	0.035%
238	13.703	13.683	13.717	VV	508	8354	0.09%	0.026%
239	13.727	13.717	13.754	VV	505	7920	0.09%	0.025%
240	13.768	13.754	13.790	VV	495	8660	0.10%	0.027%
241	13.810	13.790	13.824	VV	497	7576	0.08%	0.024%
242	13.885	13.824	13.973	VV	1630	64689	0.71%	0.205%
243	13.989	13.973	14.016	VV	641	11104	0.12%	0.035%
244	14.066	14.016	14.078	VV	565	14283	0.16%	0.045%
245	14.128	14.078	14.187	VV	719	36822	0.40%	0.117%
246	14.199	14.187	14.213	VV	595	7767	0.09%	0.025%

					rteres			
247	14.234	14.213	14.254	VV	710	12977	0.14%	0.041%
248	14.263	14.254	14.270	VV	617	5286	0.06%	0.017%
249	14.299	14.270	14.315	VV	913	20220	0.22%	0.064%
250	14.337	14.315	14.372	VV	933	22360	0.25%	0.071%
251	14.387	14.372	14.431	VV	496	11933	0.13%	0.038%
252	14.455	14.431	14.464	VV	462	5687	0.06%	0.018%
253	14.504	14.464	14.517	VV	1280	27772	0.31%	0.088%
254	14.532	14.517	14.572	VV	1655	29452	0.32%	0.093%
255	14.590	14.572	14.655	VV	927	18413	0.20%	0.058%
256	14.697	14.655	14.745	PV	1349	24807	0.27%	0.079%
257	14.757	14.745	14.774	VV	543	6147	0.07%	0.019%
258	14.778	14.774	14.799	VV	442	4453	0.05%	0.014%
259	14.810	14.799	14.835	VV	286	5069	0.06%	0.016%
260	14.854	14.835	14.879	VV	464	8593	0.09%	0.027%
261	14.914	14.879	15.024	VV	7505	200949	2.21%	0.637%
262	15.071	15.024	15.138	VV	2546	73555	0.81%	0.233%
263	15.149	15.138	15.157	VV	543	5209	0.06%	0.017%
264	15.186	15.157	15.217	VV	775	20151	0.22%	0.064%
265	15.243	15.217	15.300	VV	1441	32331	0.36%	0.103%
266	15.350	15.300	15.362	VV	894	19295	0.21%	0.061%
267	15.375	15.362	15.417	VV	792	19327	0.21%	0.061%
268	15.435	15.417	15.474	VV	696	17010	0.19%	0.054%
269	15.509	15.474	15.527	VV	901	19151	0.21%	0.061%
270	15.547	15.527	15.570	VV	1438	24591	0.27%	0.078%
271	15.578	15.570	15.609	VV	843	13320	0.15%	0.042%
272	15.628	15.609	15.670	VV	542	12130	0.13%	0.038%
273	15.685	15.670	15.702	VV	431	4663	0.05%	0.015%
274	15.707	15.702	15.726	VV	205	2781	0.03%	0.009%
275	15.738	15.726	15.747	VV	351	2650	0.03%	0.008%
276	15.754	15.747	15.806	VV	302	6816	0.07%	0.022%
277	15.835	15.806	15.845	VV	239	3776	0.04%	0.012%
278	15.860	15.845	15.885	VV	224	3948	0.04%	0.013%
279	15.933	15.885	15.960	PV	1108	26554	0.29%	0.084%
280	15.984	15.960	16.005	VV	927	19433	0.21%	0.062%
281	16.027	16.005	16.065	VV	1018	21054	0.23%	0.067%
282	16.126	16.065	16.165	VV	1236	37856	0.42%	0.120%
283	16.174	16.165	16.184	VV	439	4186	0.05%	0.013%
284	16.235	16.184	16.357	VV	1082	65861	0.72%	0.209%
285	16.371	16.357	16.380	VV	771	9289	0.10%	0.029%
286	16.404	16.380	16.435	VV	963	24526	0.27%	0.078%
287	16.457	16.435	16.475	VV	1103	20689	0.23%	0.066%
288	16.489	16.475	16.510	VV	1991	24121	0.27%	0.076%
289	16.532	16.510	16.565	VV	6037	85734	0.94%	0.272%
290	16.588	16.565	16.620	VV	600	14491	0.16%	0.046%
291	16.629	16.620	16.654	VV	362	5573	0.06%	0.018%
292	16.658	16.654	16.683	VV	305	3965	0.04%	0.013%
293	16.698	16.683	16.742	VV	355	7856	0.09%	0.025%
294	16.768	16.742	16.777	VV	215	3436	0.04%	0.011%
295	16.805	16.777	16.833	VV	713	13060	0.14%	0.041%
296	16.865	16.833	16.914	PV	813	21638	0.24%	0.069%
297	16.940	16.914	16.969	VV	1745	30773	0.34%	0.098%
298	16.979	16.969	16.999	VV	372	5974	0.07%	0.019%
299	17.015	16.999	17.032	VV	427	7069	0.08%	0.022%

					rteres			
300	17.046	17.032	17.066	VV	514	8313	0.09%	0.026%
301	17.073	17.066	17.123	VV	376	10268	0.11%	0.033%
302	17.180	17.123	17.205	VV	536	18053	0.20%	0.057%
303	17.211	17.205	17.230	VV	519	6335	0.07%	0.020%
304	17.236	17.230	17.284	VV	538	13043	0.14%	0.041%
305	17.314	17.284	17.325	VV	683	12964	0.14%	0.041%
306	17.343	17.325	17.355	VV	1395	18372	0.20%	0.058%
307	17.371	17.355	17.443	VV	2073	41809	0.46%	0.133%
308	17.467	17.443	17.520	VV	2512	46228	0.51%	0.147%
309	17.528	17.520	17.541	VV	555	3563	0.04%	0.011%
310	17.577	17.541	17.599	VV	373	7794	0.09%	0.025%
311	17.614	17.599	17.634	VV	206	2581	0.03%	0.008%
312	17.666	17.634	17.692	PV	511	10115	0.11%	0.032%
313	17.732	17.692	17.775	VV	5626	118703	1.30%	0.376%
314	17.792	17.775	17.836	VV	2493	51669	0.57%	0.164%
315	17.845	17.836	17.870	VV	512	6472	0.07%	0.021%
316	17.900	17.870	17.938	VV	610	15102	0.17%	0.048%
317	17.971	17.938	17.982	VV	248	3850	0.04%	0.012%
318	18.006	17.982	18.029	VV	421	7221	0.08%	0.023%
319	18.039	18.029	18.084	VV	309	7188	0.08%	0.023%
320	18.199	18.084	18.225	VV	2159	56816	0.62%	0.180%
321	18.233	18.225	18.271	VV	708	10257	0.11%	0.033%
					Sum of corrected areas:	31535303		

Aromatic EPH 021125.M Sat Mar 01 04:05:30 2025



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC021125AL

AreaCount

Parameter Range	FC068252.D	FC068253.D	FC068254.D	FC068255.D	FC068256.D	
Aliphatic C9-C12	39331006.000	20240186.000	8511519.000	4474674.000	2221877.000	
Aliphatic C12-C16	25563872.000	13091029.000	5472087.000	2866719.000	1444048.000	
Aliphatic C16-C21	36707935.000	18751121.000	7907675.000	4144581.000	2112599.000	
Aliphatic C21-C28	45593595.000	23234194.000	9834944.000	5144532.000	2635031.000	
Aliphatic C28-C40	56736862.000	29009865.000	12324513.000	6514067.000	3350978.000	
Aliphatic EPH	203933270.000	104326395.000	44050738.000	23144573.000	11764533.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	141035.5019998	5.636				
Aliphatic C12-C16	136654.515	5.375				
Aliphatic C16-C21	131630.8946664	6.092				
Aliphatic C21-C28	122691.3215	6.255				
Aliphatic C28-C40	102846.462333	7.171				
Aliphatic EPH	122175.1266664	6.234				

Concentration

Parameter Range	FC068252.D	FC068253.D	FC068254.D	FC068255.D	FC068256.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	FC068252.D	FC068253.D	FC068254.D	FC068255.D	FC068256.D	
Aliphatic C9-C12	131103.353333	134934.573333	141858.650000	149155.800000	148125.133333	
Aliphatic C12-C16	127819.360000	130910.290000	136802.175000	143335.950000	144404.800000	
Aliphatic C16-C21	122359.783333	125007.473333	131794.583333	138152.700000	140839.933333	

Initial Calibration Report for SequenceID : FC021125AL

Aliphatic C21-C28	113983.987500	116170.970000	122936.800000	128613.300000	131751.550000	
Aliphatic C28-C40	94561.436666	96699.550000	102704.275000	108567.783333	111699.266666	
Aliphatic EPH	113296.261111	115918.216666	122363.161111	128580.961111	130717.033333	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
 Data File : FC068252.D
 Signal(s) : FID1A.ch
 Acq On : 10 Feb 2025 16:24
 Operator : YP/AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Feb 11 02:30:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Tue Feb 11 02:29:33 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)	11.410	14212174	92.574 ug/ml
Spiked Amount 50.000		Recovery =	185.15%
12) S 1-chlorooctadecane (S...	12.849	10559687	93.495 ug/ml
Spiked Amount 50.000		Recovery =	186.99%
Target Compounds			
1) T n-Nonane (C9)	3.211	13034849	92.005 ug/ml
2) T n-Decane (C10)	4.270	13187244	92.433 ug/ml
3) T A~Naphthalene (C11.7)	5.838	14533716	93.918 ug/ml
4) T n-Dodecane (C12)	6.280	13108913	92.818 ug/ml
5) T A~2-methylnaphthalene...	6.891	13929436	94.987 ug/ml
6) T n-Tetradecane (C14)	8.068	12728359	93.377 ug/ml
7) T n-Hexadecane (C16)	9.664	12835513	93.490 ug/ml
8) T n-Octadecane (C18)	11.104	12748213	93.034 ug/ml
10) T n-Eicosane (C20)	12.408	12107311	92.743 ug/ml
11) T n-Heneicosane (C21)	13.019	11852411	92.734 ug/ml
13) T n-Docosane (C22)	13.604	11728617	92.902 ug/ml
14) T n-Tetracosane (C24)	14.704	11568914	92.905 ug/ml
15) T n-Hexacosane (C26)	15.723	11302843	92.721 ug/ml
16) T n-Octacosane (C28)	16.671	10993221	92.322 ug/ml
17) T n-Tricontane (C30)	17.556	11027160	91.890 ug/ml
18) T n-Dotriacontane (C32)	18.388	10599289	91.711 ug/ml
19) T n-Tetratriacontane (C34)	19.170	9898762	91.900 ug/ml
20) T n-Hexatriacontane (C36)	19.908	8865949	92.289 ug/ml
21) T n-Octatriacontane (C38)	20.619	8293679	91.939 ug/ml
22) T n-Tetracontane (C40)	21.474	8052023	92.913 ug/ml

(f)=RT Delta > 1/2 Window

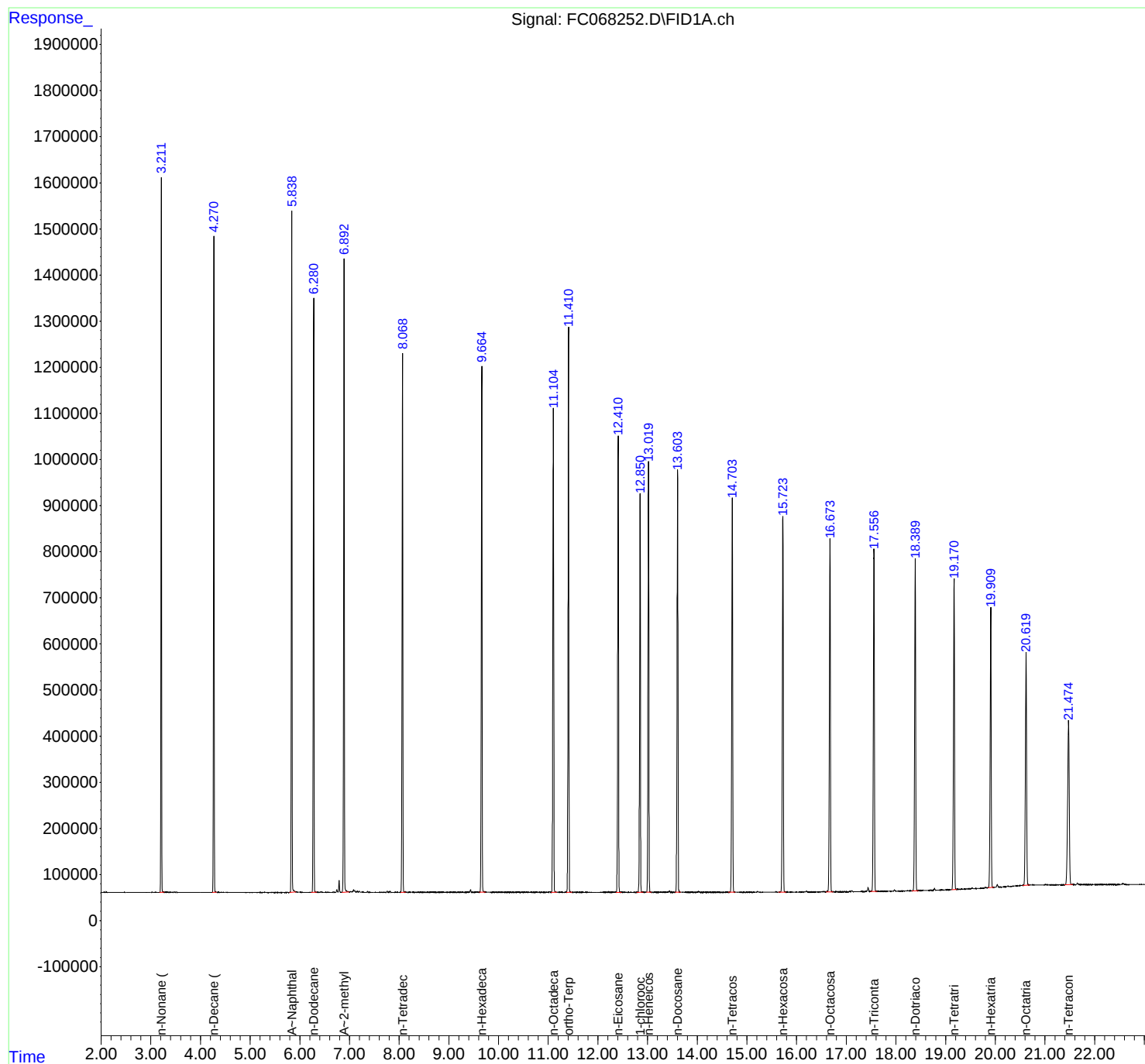
(m)=manual int.

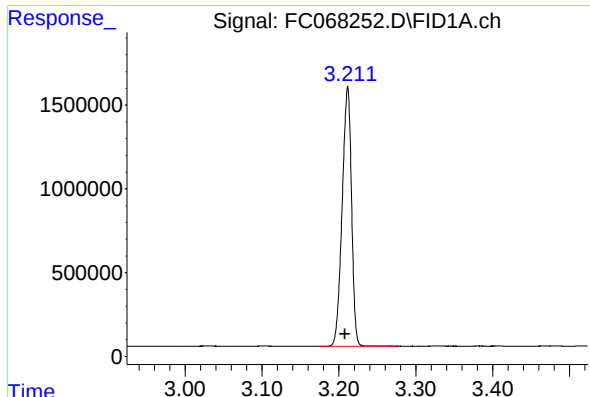
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
Data File : FC068252.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 16:24
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Feb 11 02:30:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Tue Feb 11 02:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

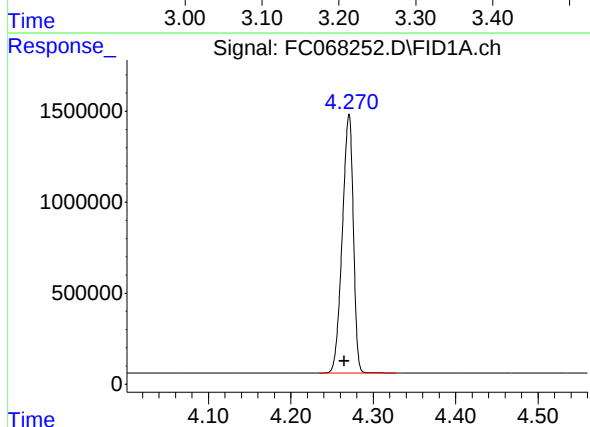




#1 n-Nonane (C9)

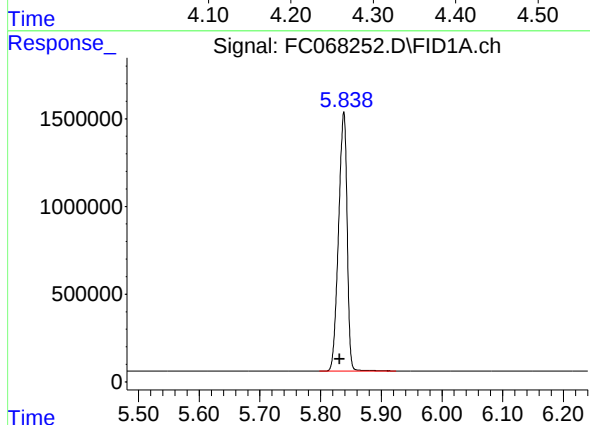
R.T.: 3.211 min
Delta R.T.: 0.003 min
Response: 13034849
Conc: 92.01 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



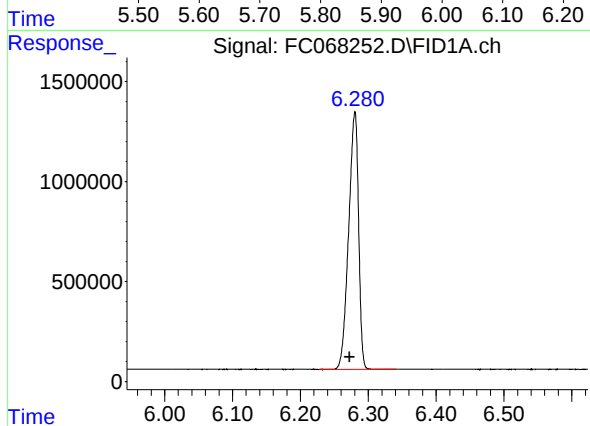
#2 n-Decane (C10)

R.T.: 4.270 min
Delta R.T.: 0.005 min
Response: 13187244
Conc: 92.43 ug/ml



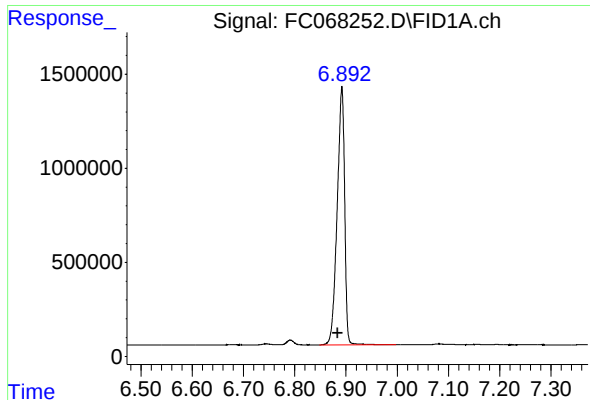
#3 A~Naphthalene (C11.7)

R.T.: 5.838 min
Delta R.T.: 0.006 min
Response: 14533716
Conc: 93.92 ug/ml



#4 n-Dodecane (C12)

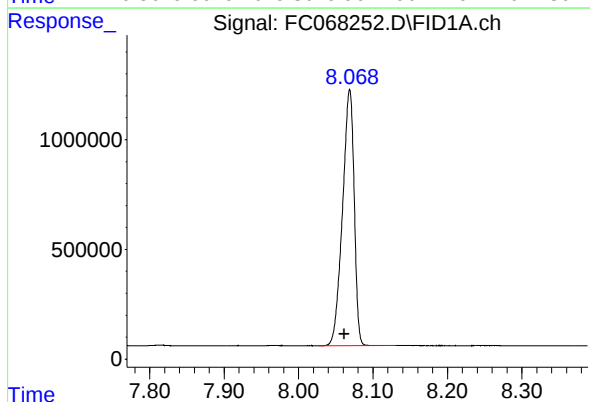
R.T.: 6.280 min
Delta R.T.: 0.007 min
Response: 13108913
Conc: 92.82 ug/ml



#5 A~2-methylnaphthalene (C12.89)

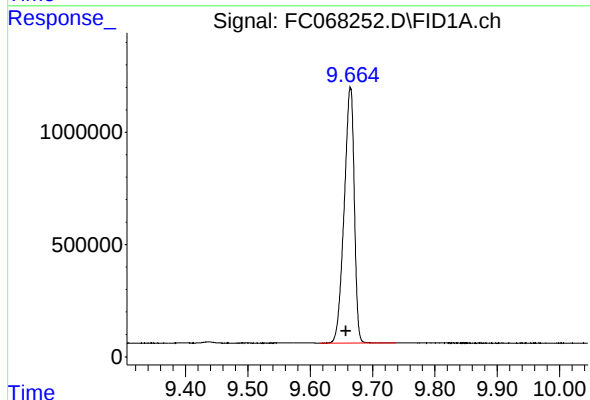
R.T.: 6.891 min
Delta R.T.: 0.007 min
Response: 13929436
Conc: 94.99 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



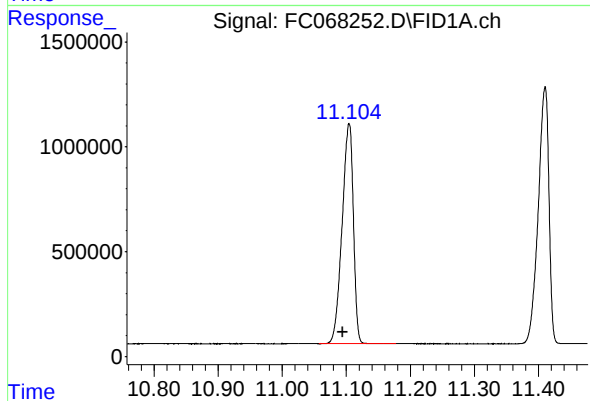
#6 n-Tetradecane (C14)

R.T.: 8.068 min
Delta R.T.: 0.007 min
Response: 12728359
Conc: 93.38 ug/ml



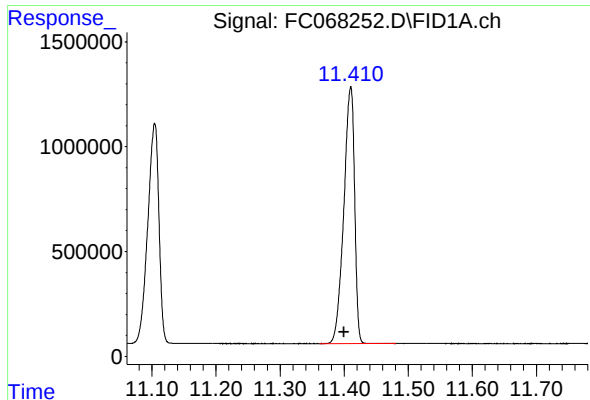
#7 n-Hexadecane (C16)

R.T.: 9.664 min
Delta R.T.: 0.007 min
Response: 12835513
Conc: 93.49 ug/ml



#8 n-Octadecane (C18)

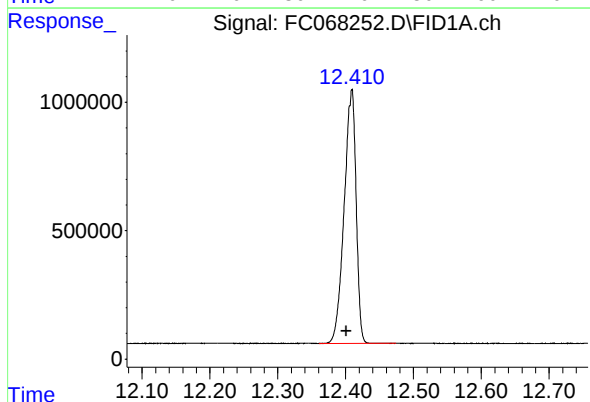
R.T.: 11.104 min
Delta R.T.: 0.009 min
Response: 12748213
Conc: 93.03 ug/ml



#9 ortho-Terphenyl (SURR)

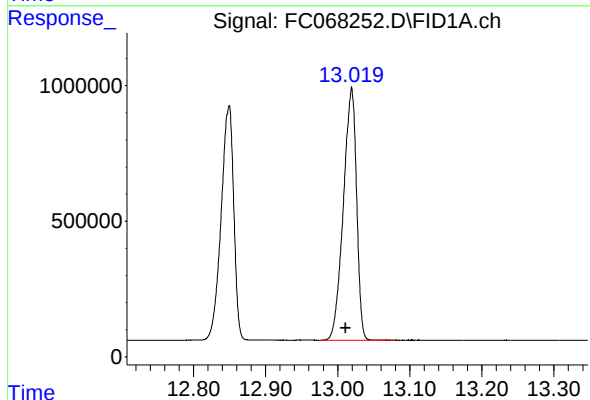
R.T.: 11.410 min
Delta R.T.: 0.010 min
Response: 14212174
Conc: 92.57 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



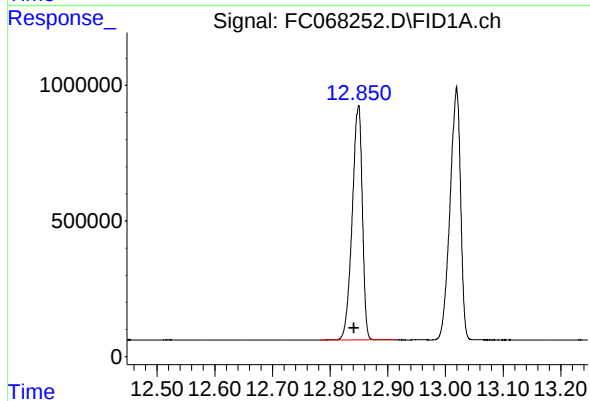
#10 n-Eicosane (C20)

R.T.: 12.408 min
Delta R.T.: 0.007 min
Response: 12107311
Conc: 92.74 ug/ml



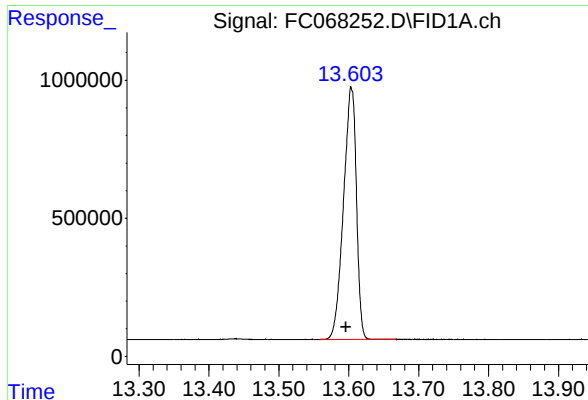
#11 n-Heneicosane (C21)

R.T.: 13.019 min
Delta R.T.: 0.008 min
Response: 11852411
Conc: 92.73 ug/ml



#12 1-chlorooctadecane (SURR)

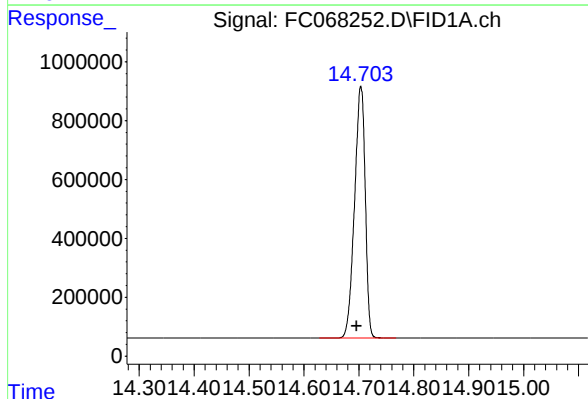
R.T.: 12.849 min
Delta R.T.: 0.007 min
Response: 10559687
Conc: 93.50 ug/ml



#13 n-Docosane (C22)

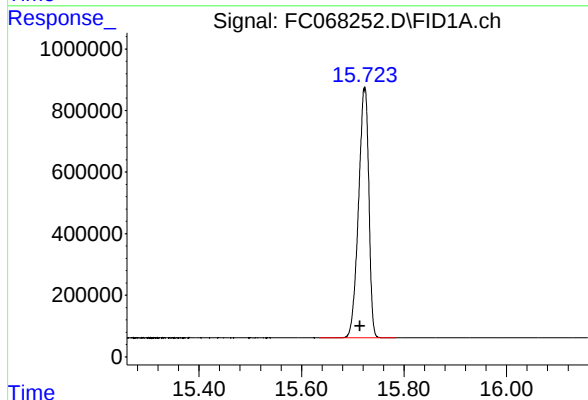
R.T.: 13.604 min
Delta R.T.: 0.008 min
Response: 11728617
Conc: 92.90 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



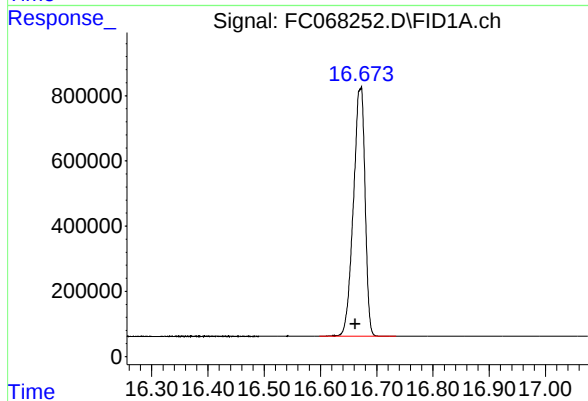
#14 n-Tetracosane (C24)

R.T.: 14.704 min
Delta R.T.: 0.008 min
Response: 11568914
Conc: 92.91 ug/ml



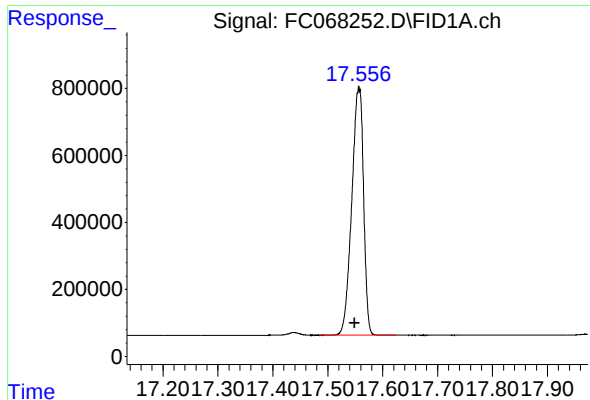
#15 n-Hexacosane (C26)

R.T.: 15.723 min
Delta R.T.: 0.009 min
Response: 11302843
Conc: 92.72 ug/ml



#16 n-Octacosane (C28)

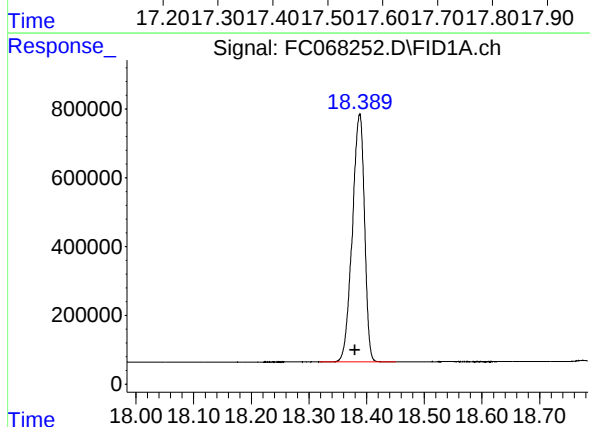
R.T.: 16.671 min
Delta R.T.: 0.009 min
Response: 10993221
Conc: 92.32 ug/ml



#17 n-Tricontane (C30)

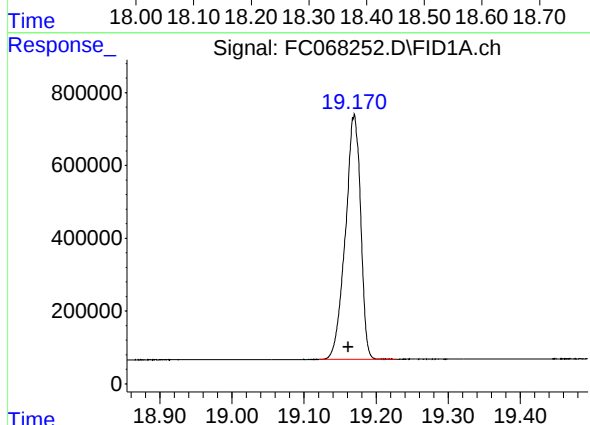
R.T.: 17.556 min
Delta R.T.: 0.007 min
Response: 11027160
Conc: 91.89 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



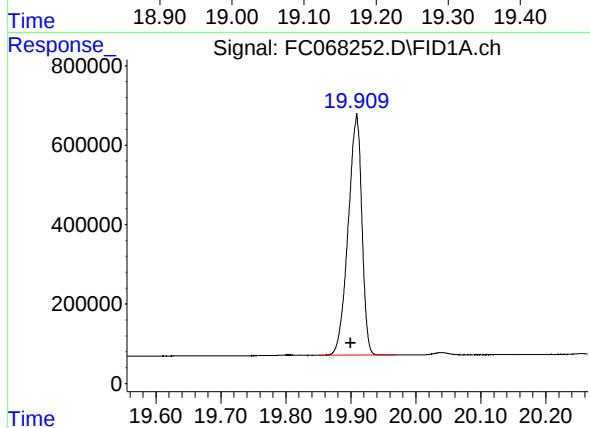
#18 n-Dotriacontane (C32)

R.T.: 18.388 min
Delta R.T.: 0.008 min
Response: 10599289
Conc: 91.71 ug/ml



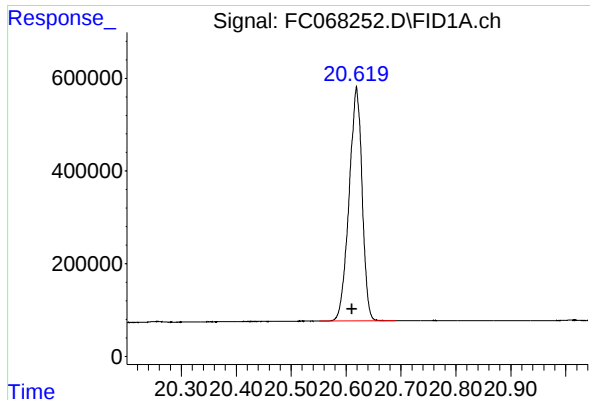
#19 n-Tetratriacontane (C34)

R.T.: 19.170 min
Delta R.T.: 0.008 min
Response: 9898762
Conc: 91.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.908 min
Delta R.T.: 0.008 min
Response: 8865949
Conc: 92.29 ug/ml



#21 n-Octatriacontane (C38)

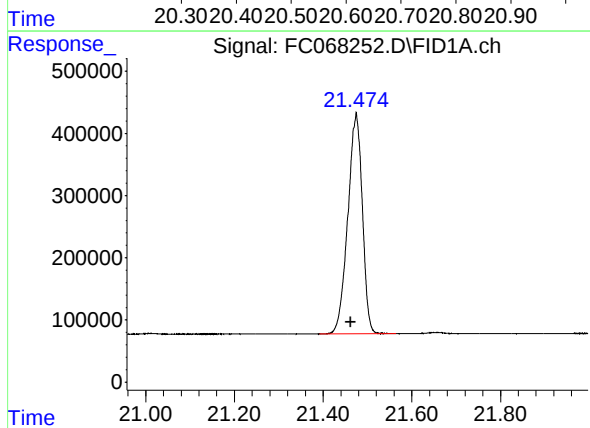
R.T.: 20.619 min
Delta R.T.: 0.008 min
Response: 8293679
Conc: 91.94 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.474 min
Delta R.T.: 0.012 min
Response: 8052023
Conc: 92.91 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
Data File : FC068252.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 16:24
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	3.211	3.174	3.274	BB	1536067	13034849	89.69%	5.069%
2	4.270	4.234	4.328	BB	1438029	13187244	90.74%	5.128%
3	5.838	5.798	5.924	BB	1468511	14533716	100.00%	5.651%
4	6.280	6.228	6.341	BB	1303761	13108913	90.20%	5.097%
5	6.891	6.848	6.998	BB	1352654	13929436	95.84%	5.416%
6	8.068	8.028	8.131	BB	1162652	12728359	87.58%	4.949%
7	9.664	9.614	9.738	BB	1144286	12835513	88.32%	4.991%
8	11.104	11.058	11.178	BB	1054227	12748213	87.71%	4.957%
9	11.410	11.361	11.481	BB	1241101	14212174	97.79%	5.526%
10	12.408	12.361	12.474	BB	966080	12107311	83.30%	4.708%
11	12.849	12.781	12.914	BB	856617	10559687	72.66%	4.106%
12	13.019	12.974	13.081	BB	912197	11852411	81.55%	4.609%
13	13.604	13.558	13.668	BB	916235	11728617	80.70%	4.561%
14	14.704	14.628	14.768	BB	856005	11568914	79.60%	4.499%
15	15.723	15.634	15.784	BB	820737	11302843	77.77%	4.395%
16	16.671	16.598	16.734	BB	759899	10993221	75.64%	4.275%
17	17.556	17.484	17.624	BB	738963	11027160	75.87%	4.288%
18	18.388	18.318	18.451	BB	719758	10599289	72.93%	4.122%
19	19.170	19.121	19.228	BB	668913	9898762	68.11%	3.849%
20	19.908	19.851	19.969	BBA	593167	8865949	61.00%	3.448%
21	20.619	20.551	20.691	BB	499026	8293679	57.07%	3.225%
22	21.474	21.391	21.564	BB	353119	8052023	55.40%	3.131%
Sum of corrected areas:						257168283		

Aliphatic EPH 021125.M Tue Feb 11 02:39:04 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
 Data File : FC068253.D
 Signal(s) : FID1A.ch
 Acq On : 10 Feb 2025 17:01
 Operator : YP/AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Feb 11 02:30:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Tue Feb 11 02:29:33 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)	11.404	7265657	47.326 ug/ml
Spiked Amount 50.000		Recovery =	94.65%
12) S 1-chlorooctadecane (S...	12.845	5379642	47.631 ug/ml
Spiked Amount 50.000		Recovery =	95.26%
Target Compounds			
1) T n-Nonane (C9)	3.209	6719412	47.428 ug/ml
2) T n-Decane (C10)	4.267	6784596	47.555 ug/ml
3) T A~Naphthalene (C11.7)	5.834	7434634	48.043 ug/ml
4) T n-Dodecane (C12)	6.276	6736178	47.696 ug/ml
5) T A~2-methylnaphthalene...	6.887	7096295	48.391 ug/ml
6) T n-Tetradecane (C14)	8.065	6521596	47.844 ug/ml
7) T n-Hexadecane (C16)	9.660	6569433	47.850 ug/ml
8) T n-Octadecane (C18)	11.099	6516282	47.555 ug/ml
10) T n-Eicosane (C20)	12.404	6182901	47.362 ug/ml
11) T n-Heneicosane (C21)	13.014	6051938	47.351 ug/ml
13) T n-Docosane (C22)	13.599	5978682	47.357 ug/ml
14) T n-Tetracosane (C24)	14.700	5893630	47.329 ug/ml
15) T n-Hexacosane (C26)	15.718	5756725	47.224 ug/ml
16) T n-Octacosane (C28)	16.665	5605157	47.073 ug/ml
17) T n-Tricontane (C30)	17.551	5630196	46.917 ug/ml
18) T n-Dotriacontane (C32)	18.383	5417986	46.879 ug/ml
19) T n-Tetratriacontane (C34)	19.165	5059593	46.973 ug/ml
20) T n-Hexatriacontane (C36)	19.902	4533198	47.188 ug/ml
21) T n-Octatriacontane (C38)	20.614	4246406	47.073 ug/ml
22) T n-Tetracontane (C40)	21.465	4122486	47.570 ug/ml

(f)=RT Delta > 1/2 Window

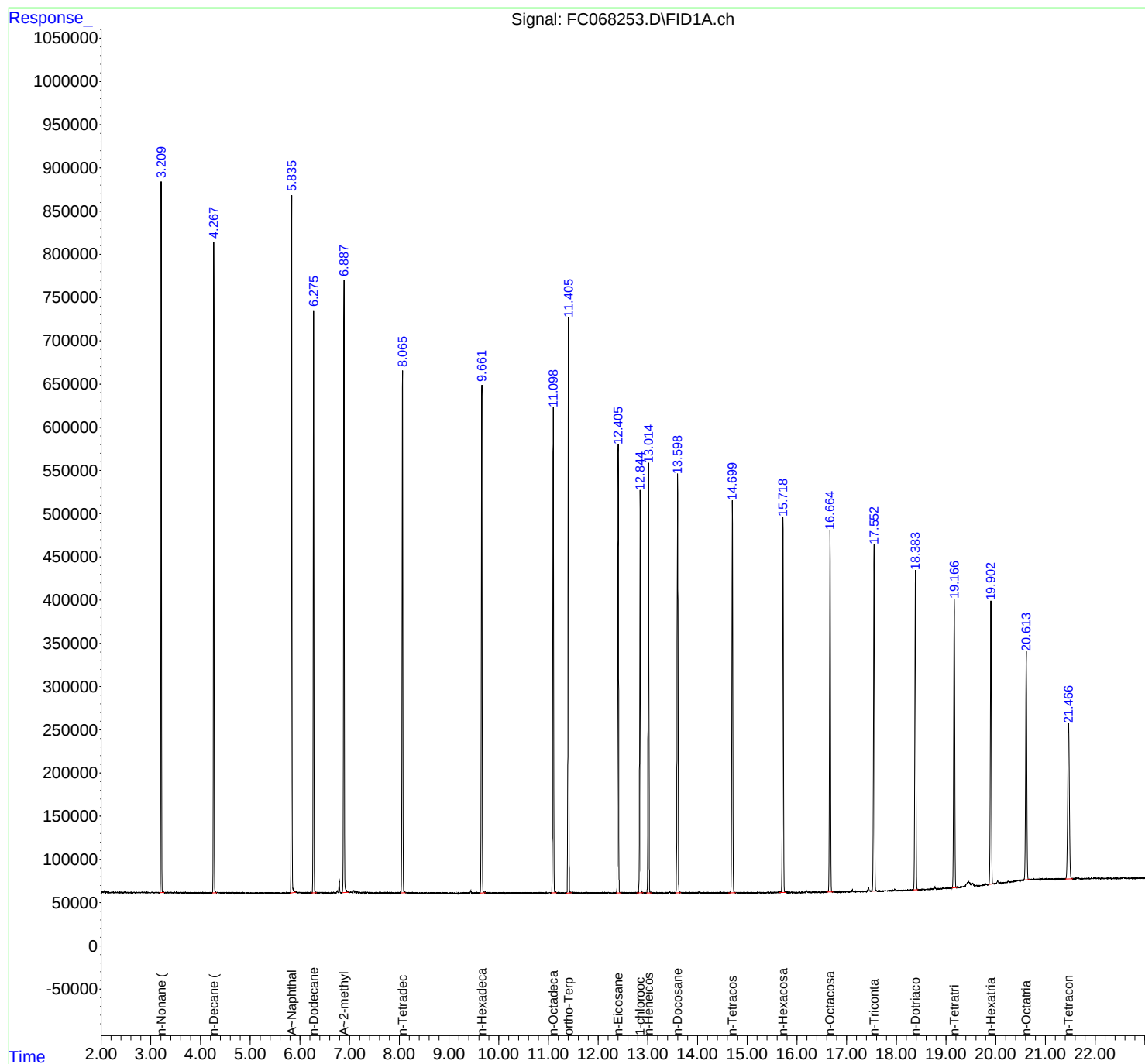
(m)=manual int.

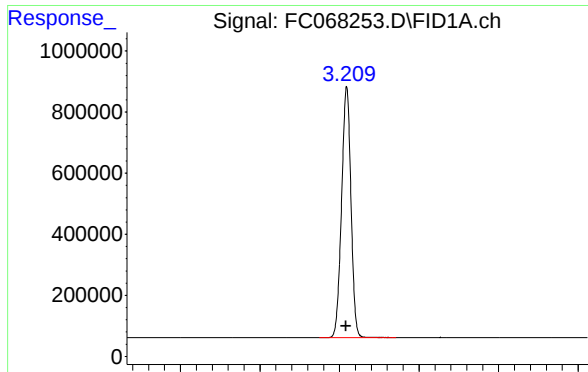
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
Data File : FC068253.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 17:01
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Feb 11 02:30:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Tue Feb 11 02:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

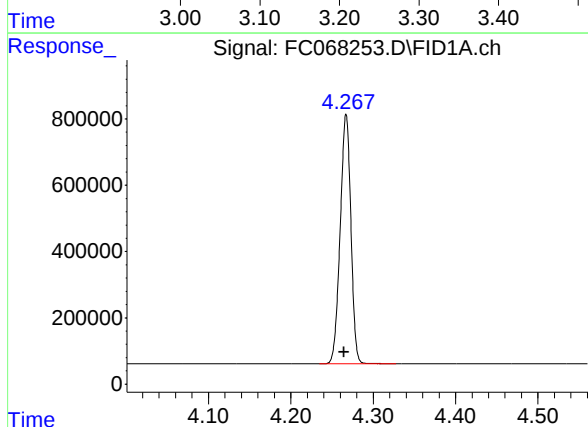




#1 n-Nonane (C9)

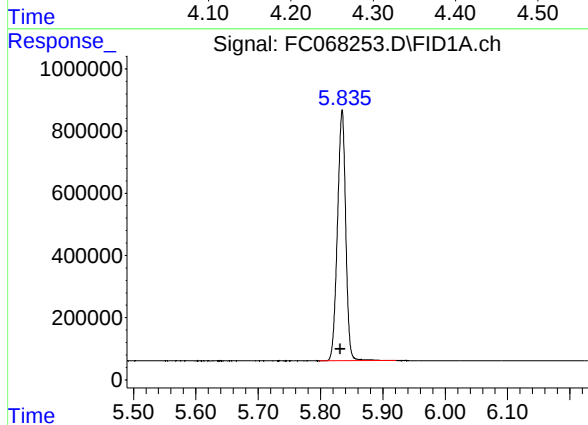
R.T.: 3.209 min
Delta R.T.: 0.000 min
Response: 6719412
Conc: 47.43 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



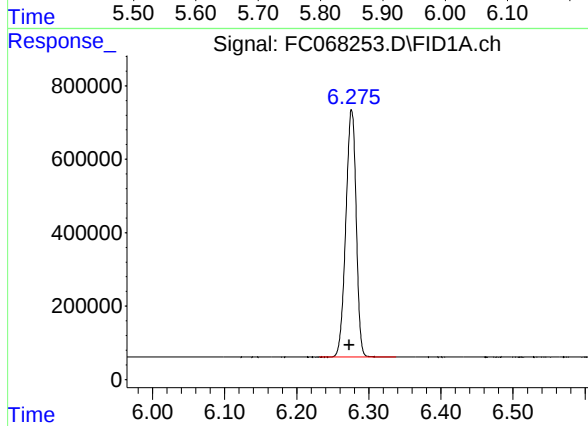
#2 n-Decane (C10)

R.T.: 4.267 min
Delta R.T.: 0.002 min
Response: 6784596
Conc: 47.56 ug/ml



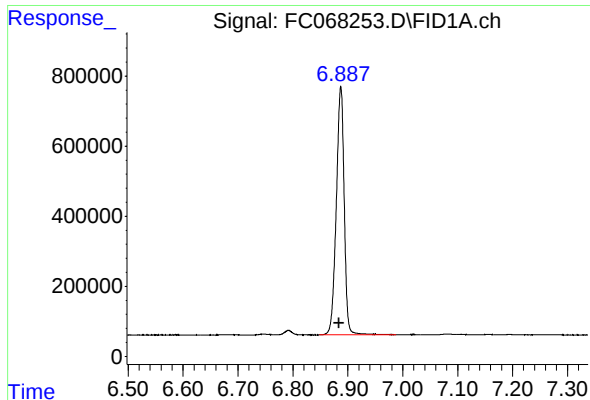
#3 A~Naphthalene (C11.7)

R.T.: 5.834 min
Delta R.T.: 0.003 min
Response: 7434634
Conc: 48.04 ug/ml



#4 n-Dodecane (C12)

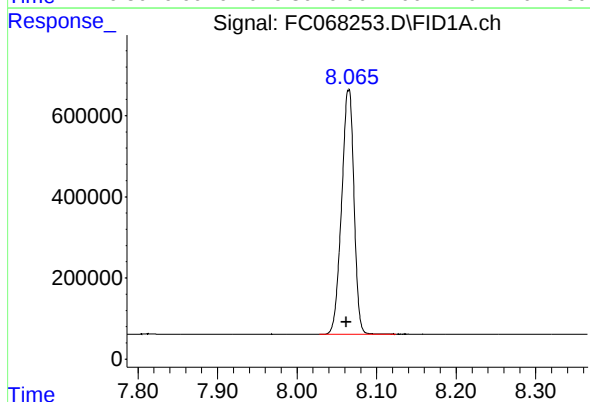
R.T.: 6.276 min
Delta R.T.: 0.003 min
Response: 6736178
Conc: 47.70 ug/ml



#5 A~2-methylnaphthalene (C12.89)

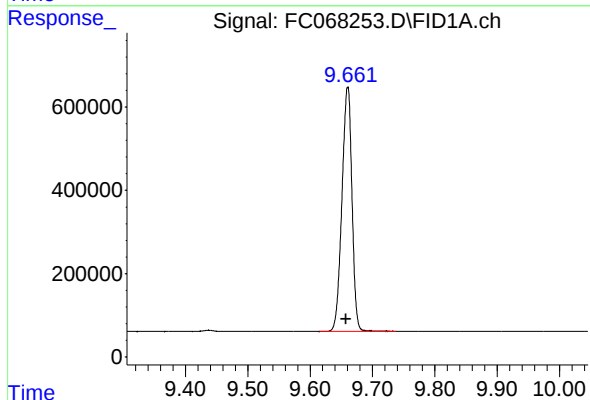
R.T.: 6.887 min
Delta R.T.: 0.003 min
Response: 7096295
Conc: 48.39 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



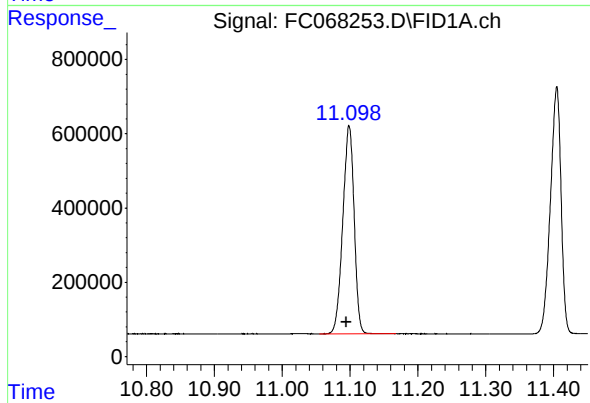
#6 n-Tetradecane (C14)

R.T.: 8.065 min
Delta R.T.: 0.003 min
Response: 6521596
Conc: 47.84 ug/ml



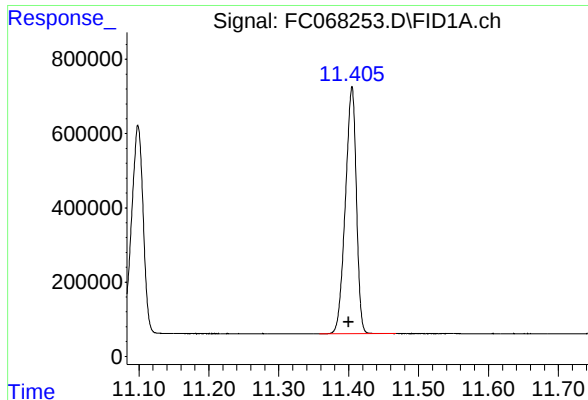
#7 n-Hexadecane (C16)

R.T.: 9.660 min
Delta R.T.: 0.003 min
Response: 6569433
Conc: 47.85 ug/ml



#8 n-Octadecane (C18)

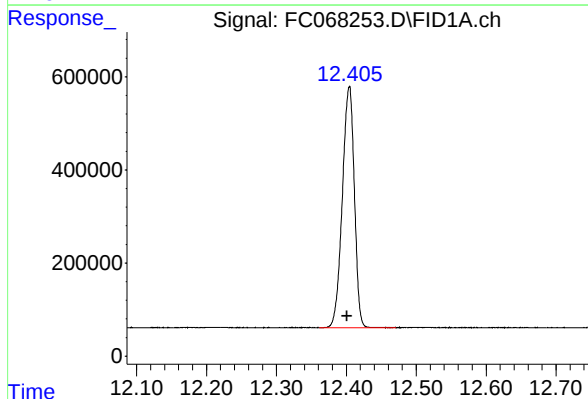
R.T.: 11.099 min
Delta R.T.: 0.004 min
Response: 6516282
Conc: 47.55 ug/ml



#9 ortho-Terphenyl (SURR)

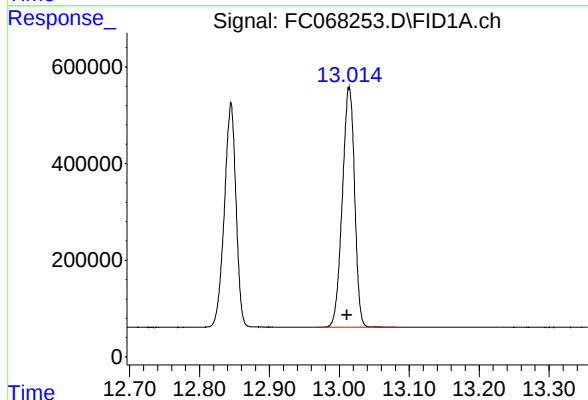
R.T.: 11.404 min
Delta R.T.: 0.005 min
Response: 7265657
Conc: 47.33 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



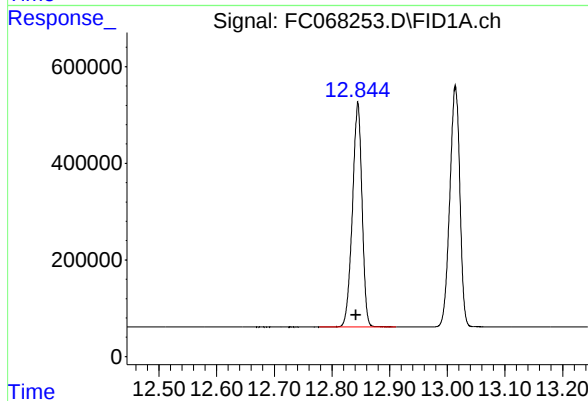
#10 n-Eicosane (C20)

R.T.: 12.404 min
Delta R.T.: 0.003 min
Response: 6182901
Conc: 47.36 ug/ml



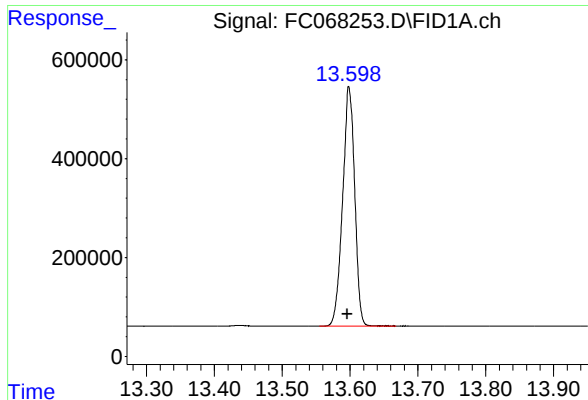
#11 n-Heneicosane (C21)

R.T.: 13.014 min
Delta R.T.: 0.003 min
Response: 6051938
Conc: 47.35 ug/ml



#12 1-chlorooctadecane (SURR)

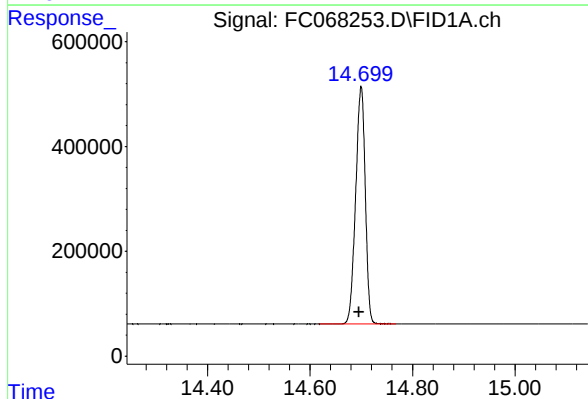
R.T.: 12.845 min
Delta R.T.: 0.003 min
Response: 5379642
Conc: 47.63 ug/ml



#13 n-Docosane (C22)

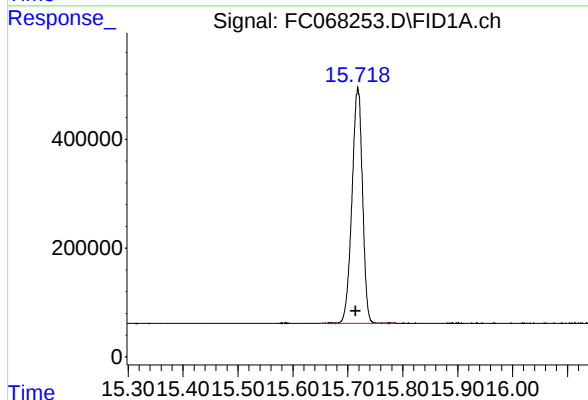
R.T.: 13.599 min
Delta R.T.: 0.003 min
Response: 5978682
Conc: 47.36 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



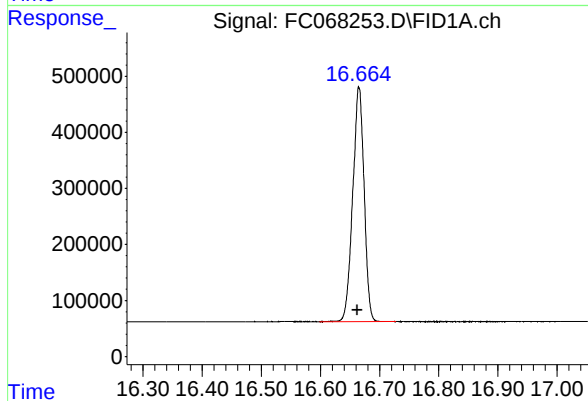
#14 n-Tetracosane (C24)

R.T.: 14.700 min
Delta R.T.: 0.004 min
Response: 5893630
Conc: 47.33 ug/ml



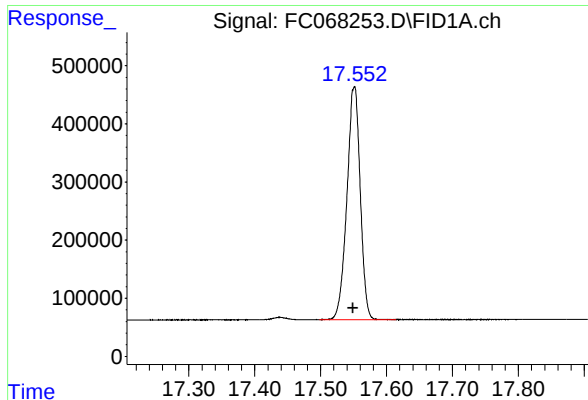
#15 n-Hexacosane (C26)

R.T.: 15.718 min
Delta R.T.: 0.004 min
Response: 5756725
Conc: 47.22 ug/ml



#16 n-Octacosane (C28)

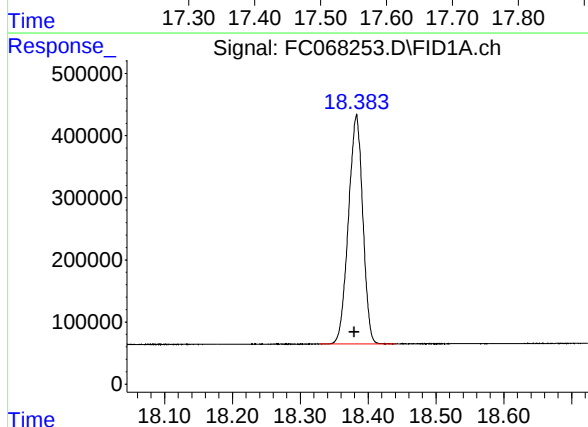
R.T.: 16.665 min
Delta R.T.: 0.003 min
Response: 5605157
Conc: 47.07 ug/ml



#17 n-Tricontane (C30)

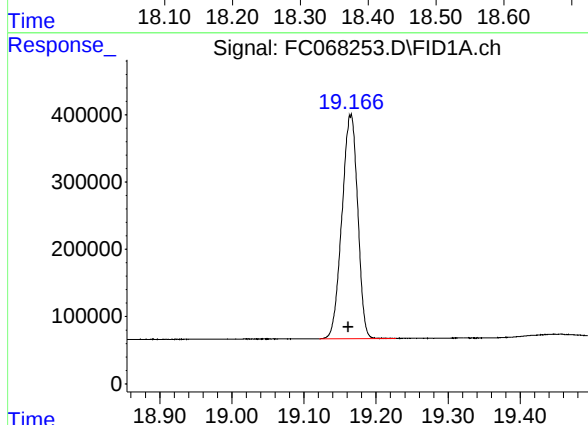
R.T.: 17.551 min
Delta R.T.: 0.002 min
Response: 5630196
Conc: 46.92 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



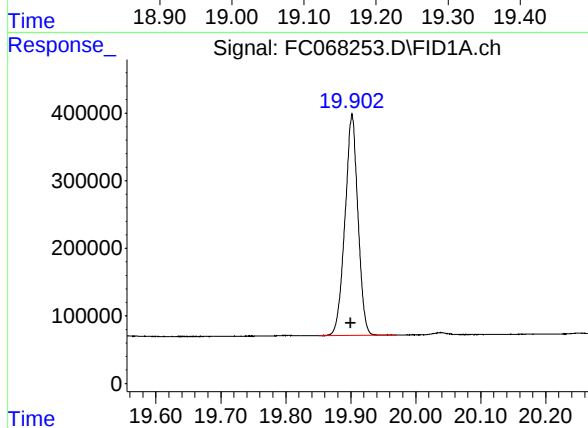
#18 n-Dotriacontane (C32)

R.T.: 18.383 min
Delta R.T.: 0.003 min
Response: 5417986
Conc: 46.88 ug/ml



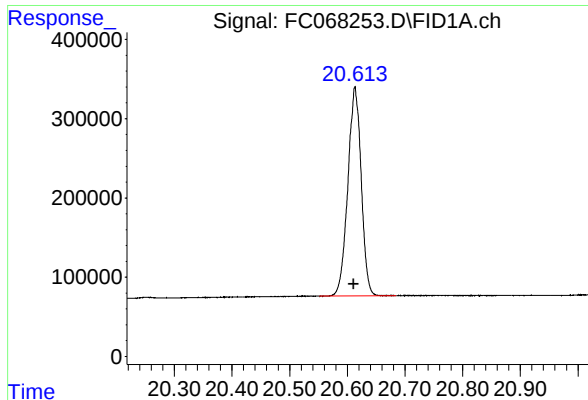
#19 n-Tetratriacontane (C34)

R.T.: 19.165 min
Delta R.T.: 0.004 min
Response: 5059593
Conc: 46.97 ug/ml



#20 n-Hexatriacontane (C36)

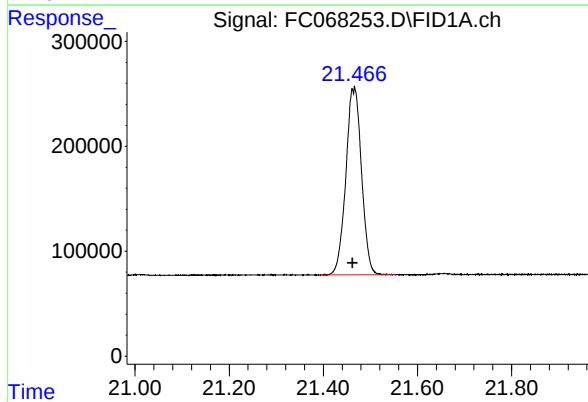
R.T.: 19.902 min
Delta R.T.: 0.002 min
Response: 4533198
Conc: 47.19 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.614 min
Delta R.T.: 0.003 min
Response: 4246406
Conc: 47.07 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.465 min
Delta R.T.: 0.002 min
Response: 4122486
Conc: 47.57 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
Data File : FC068253.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 17:01
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	3.209	3.174	3.271	BB	811218	6719412	90.38%	5.110%
2	4.267	4.234	4.328	BB	755911	6784596	91.26%	5.159%
3	5.834	5.798	5.921	BB	804975	7434634	100.00%	5.654%
4	6.276	6.231	6.338	BB	678512	6736178	90.61%	5.122%
5	6.887	6.848	6.988	BB	711876	7096295	95.45%	5.396%
6	8.065	8.028	8.124	BB	605991	6521596	87.72%	4.959%
7	9.660	9.614	9.738	BB	593828	6569433	88.36%	4.996%
8	11.099	11.054	11.168	BB	559745	6516282	87.65%	4.955%
9	11.404	11.358	11.468	BB	664804	7265657	97.73%	5.525%
10	12.404	12.361	12.471	BB	520586	6182901	83.16%	4.702%
11	12.845	12.778	12.911	BB	460356	5379642	72.36%	4.091%
12	13.014	12.971	13.081	BB	497432	6051938	81.40%	4.602%
13	13.599	13.554	13.668	BB	486709	5978682	80.42%	4.546%
14	14.700	14.618	14.768	BB	455435	5893630	79.27%	4.482%
15	15.718	15.648	15.788	BB	431622	5756725	77.43%	4.378%
16	16.665	16.598	16.728	BB	419236	5605157	75.39%	4.262%
17	17.551	17.498	17.614	BB	400816	5630196	75.73%	4.281%
18	18.383	18.328	18.441	BB	366233	5417986	72.87%	4.120%
19	19.165	19.121	19.228	BB	333071	5059593	68.05%	3.848%
20	19.902	19.851	19.969	BBA	324588	4533198	60.97%	3.447%
21	20.614	20.551	20.684	BB	260933	4246406	57.12%	3.229%
22	21.465	21.391	21.554	BB	175049	4122486	55.45%	3.135%
Sum of corrected areas:						131502620		

Aliphatic EPH 021125.M Tue Feb 11 02:39:29 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
 Data File : FC068254.D
 Signal(s) : FID1A.ch
 Acq On : 10 Feb 2025 17:38
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Feb 11 02:30:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Tue Feb 11 02:29:33 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)	11.400	3070458	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	12.842	2258872	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.208	2833506	20.000 ug/ml
2) T n-Decane (C10)	4.265	2853357	20.000 ug/ml
3) T A~Naphthalene (C11.7)	5.831	3094970	20.000 ug/ml
4) T n-Dodecane (C12)	6.273	2824656	20.000 ug/ml
5) T A~2-methylnaphthalene...	6.884	2932900	20.000 ug/ml
6) T n-Tetradecane (C14)	8.062	2726217	20.000 ug/ml
7) T n-Hexadecane (C16)	9.657	2745870	20.000 ug/ml
8) T n-Octadecane (C18)	11.095	2740539	20.000 ug/ml
10) T n-Eicosane (C20)	12.401	2610929	20.000 ug/ml
11) T n-Heneicosane (C21)	13.011	2556207	20.000 ug/ml
13) T n-Docosane (C22)	13.596	2524938	20.000 ug/ml
14) T n-Tetracosane (C24)	14.696	2490472	20.000 ug/ml
15) T n-Hexacosane (C26)	15.714	2438036	20.000 ug/ml
16) T n-Octacosane (C28)	16.662	2381498	20.000 ug/ml
17) T n-Tricontane (C30)	17.549	2400071	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.380	2311459	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.161	2154239	20.000 ug/ml
20) T n-Hexatriacontane (C36)	19.900	1921336	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.611	1804172	20.000 ug/ml
22) T n-Tetracontane (C40)	21.463	1733236	20.000 ug/ml

(f)=RT Delta > 1/2 Window

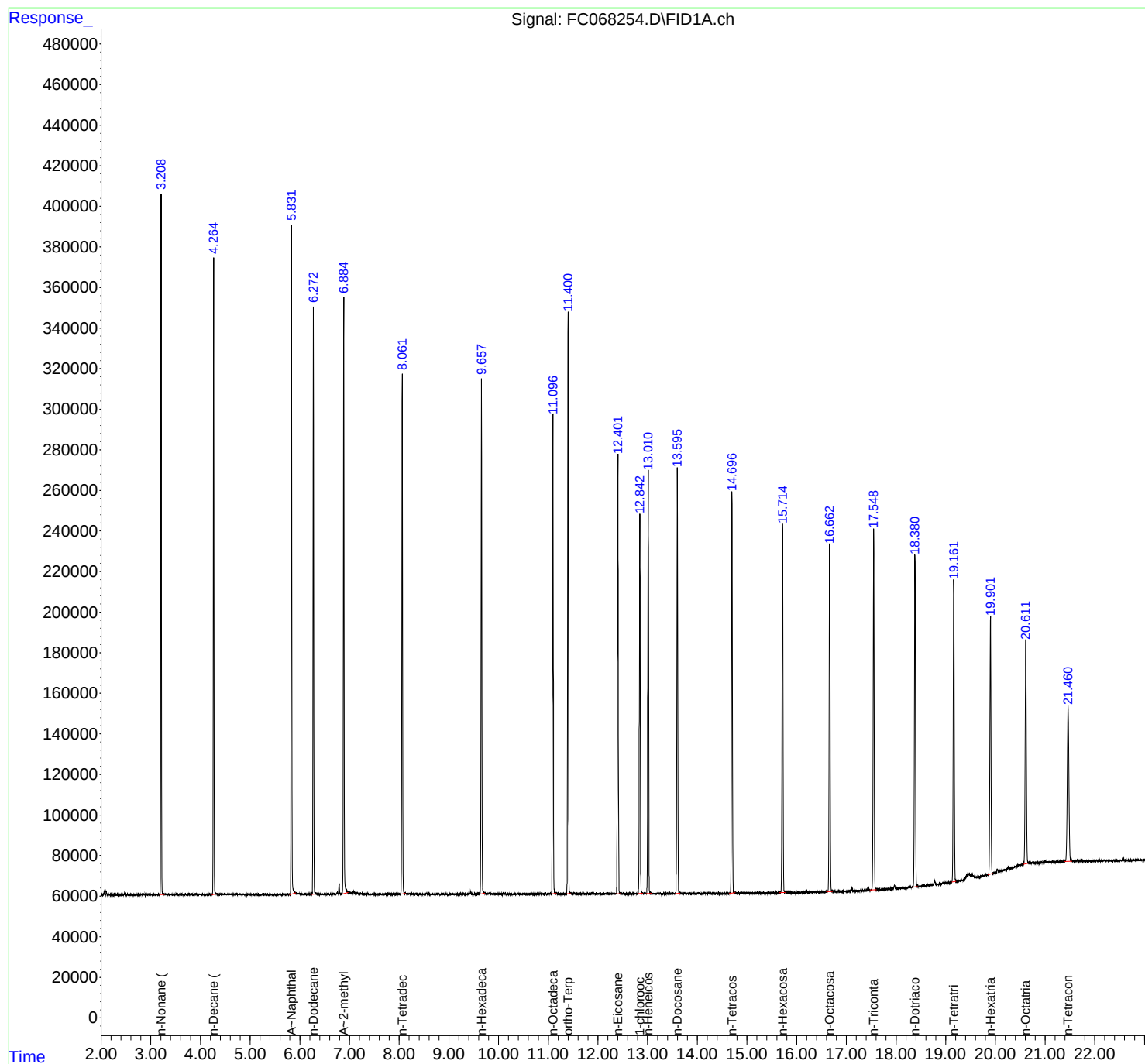
(m)=manual int.

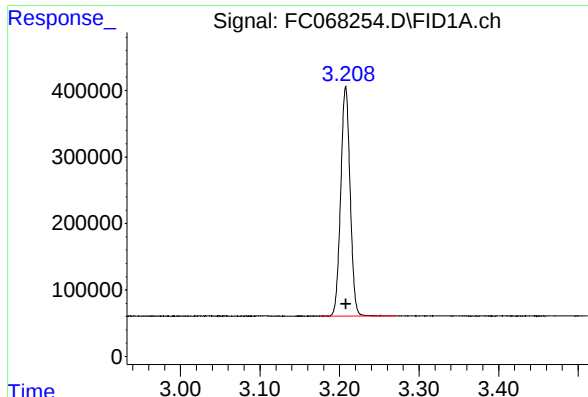
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
Data File : FC068254.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 17:38
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Feb 11 02:30:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Tue Feb 11 02:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

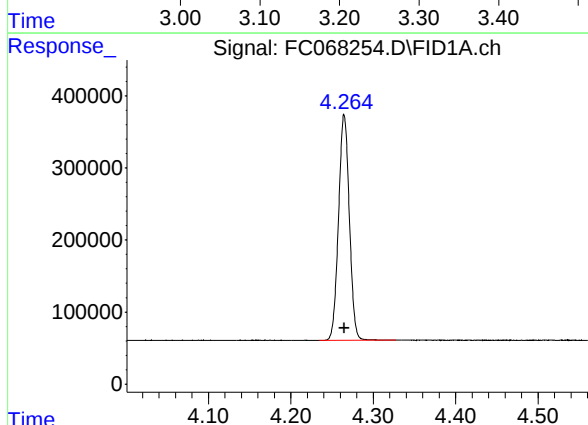




#1 n-Nonane (C9)

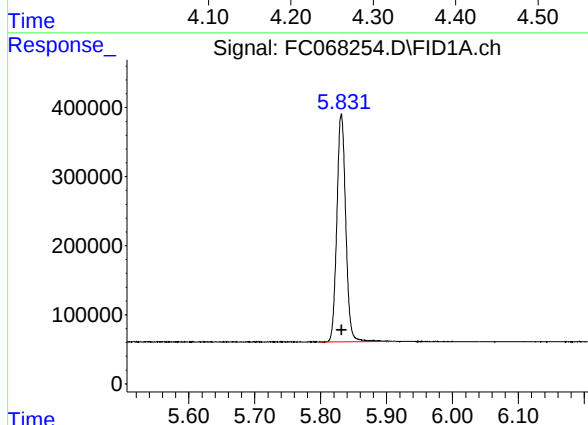
R.T.: 3.208 min
Delta R.T.: 0.000 min
Response: 2833506
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



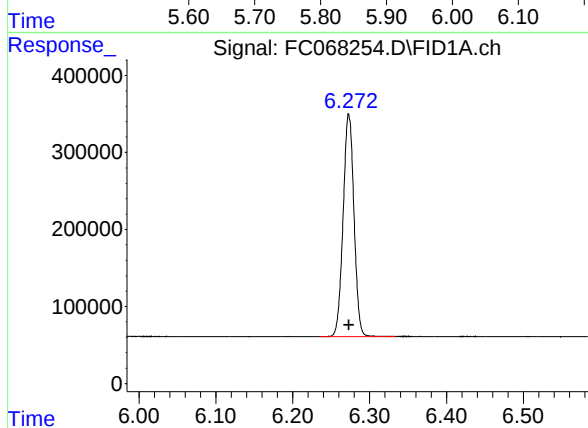
#2 n-Decane (C10)

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 2853357
Conc: 20.00 ug/ml



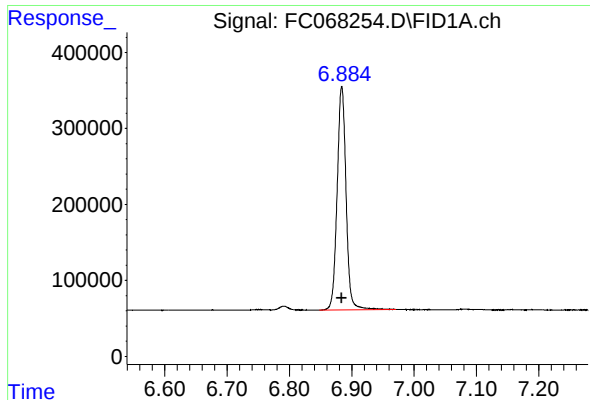
#3 A~Naphthalene (C11.7)

R.T.: 5.831 min
Delta R.T.: 0.000 min
Response: 3094970
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

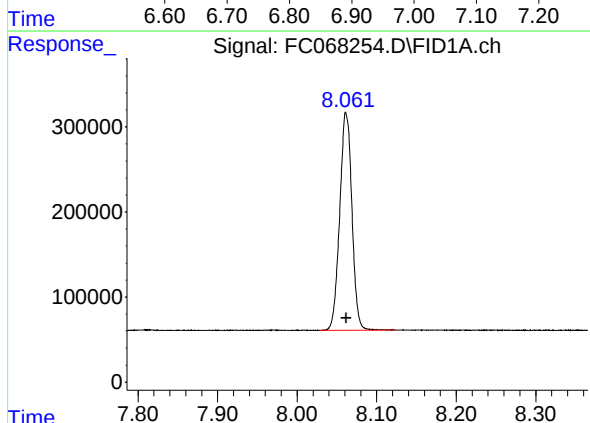
R.T.: 6.273 min
Delta R.T.: 0.000 min
Response: 2824656
Conc: 20.00 ug/ml



#5 A~2-methylnaphthalene (C12.89)

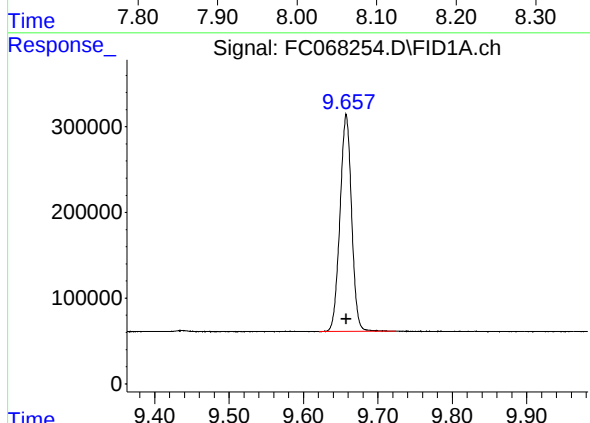
R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 2932900
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



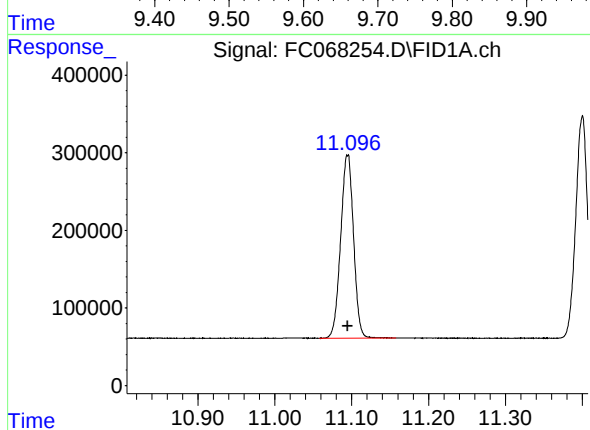
#6 n-Tetradecane (C14)

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 2726217
Conc: 20.00 ug/ml



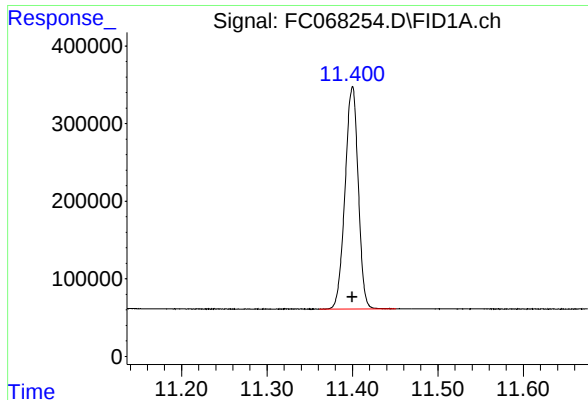
#7 n-Hexadecane (C16)

R.T.: 9.657 min
Delta R.T.: 0.000 min
Response: 2745870
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

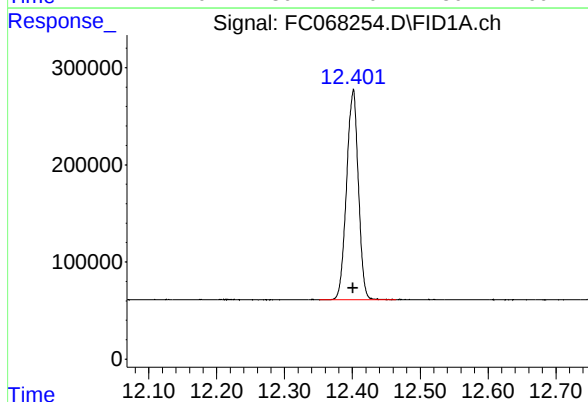
R.T.: 11.095 min
Delta R.T.: 0.000 min
Response: 2740539
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

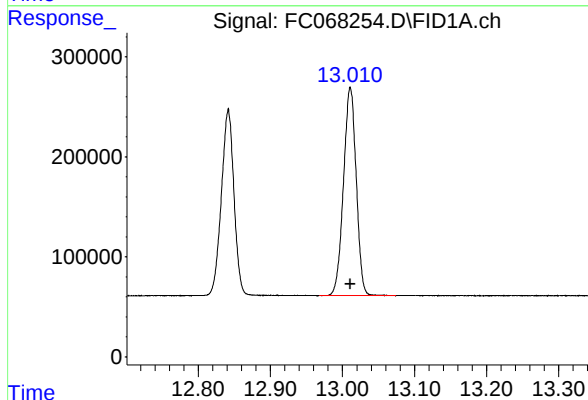
R.T.: 11.400 min
Delta R.T.: 0.000 min
Response: 3070458
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



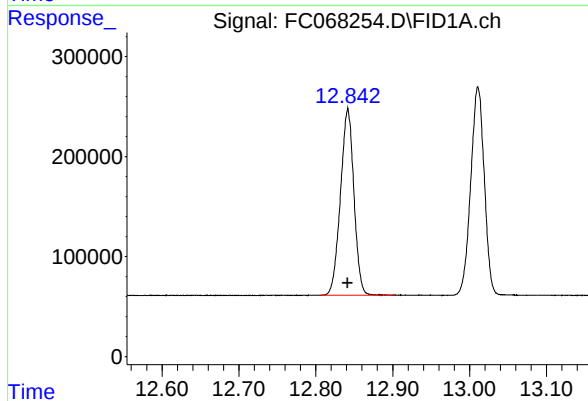
#10 n-Eicosane (C20)

R.T.: 12.401 min
Delta R.T.: 0.000 min
Response: 2610929
Conc: 20.00 ug/ml



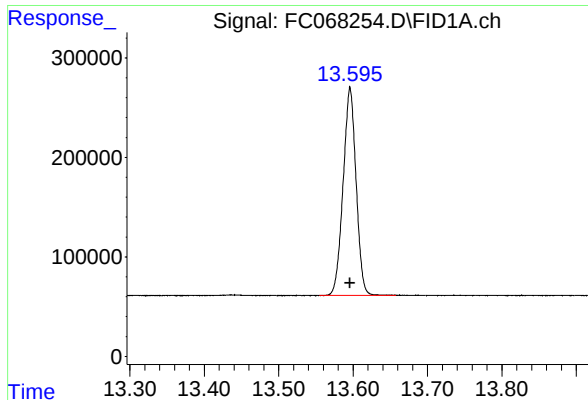
#11 n-Heneicosane (C21)

R.T.: 13.011 min
Delta R.T.: 0.000 min
Response: 2556207
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

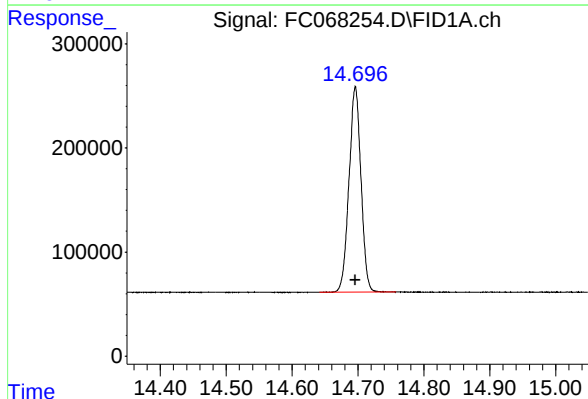
R.T.: 12.842 min
Delta R.T.: 0.000 min
Response: 2258872
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

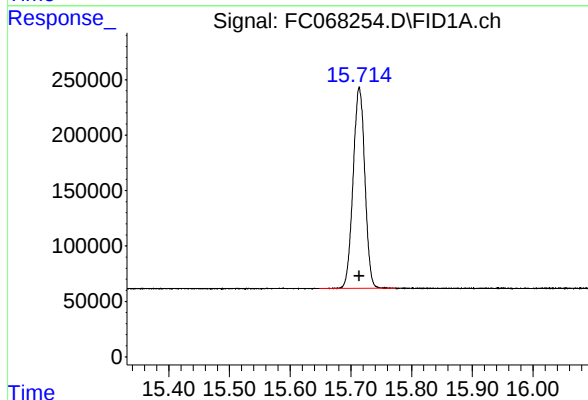
R.T.: 13.596 min
Delta R.T.: 0.000 min
Response: 2524938
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



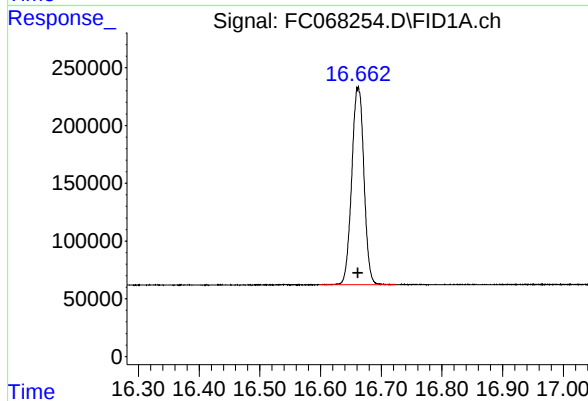
#14 n-Tetracosane (C24)

R.T.: 14.696 min
Delta R.T.: 0.000 min
Response: 2490472
Conc: 20.00 ug/ml



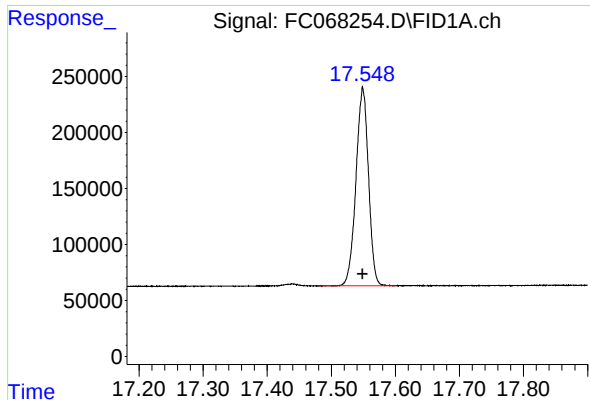
#15 n-Hexacosane (C26)

R.T.: 15.714 min
Delta R.T.: 0.000 min
Response: 2438036
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

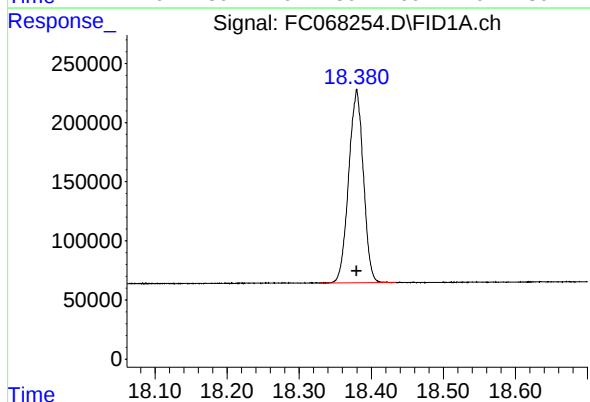
R.T.: 16.662 min
Delta R.T.: 0.000 min
Response: 2381498
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

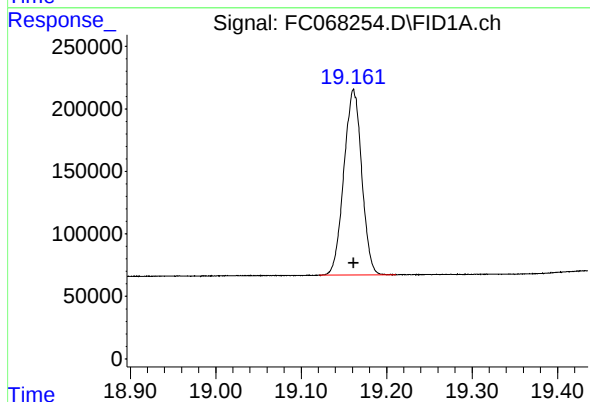
R.T.: 17.549 min
Delta R.T.: 0.000 min
Response: 2400071
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



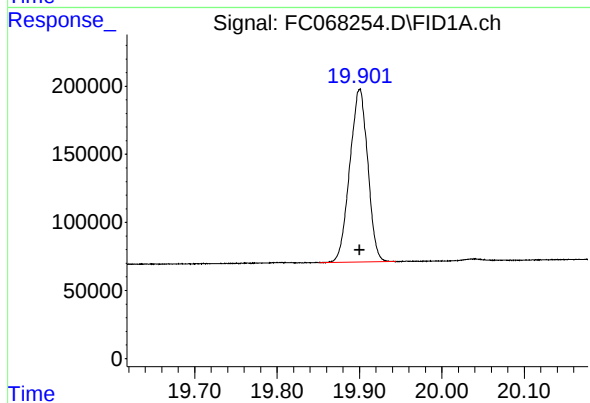
#18 n-Dotriacontane (C32)

R.T.: 18.380 min
Delta R.T.: 0.000 min
Response: 2311459
Conc: 20.00 ug/ml



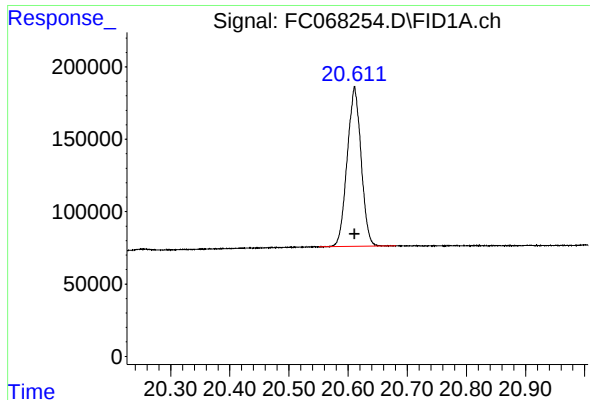
#19 n-Tetatriacontane (C34)

R.T.: 19.161 min
Delta R.T.: 0.000 min
Response: 2154239
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

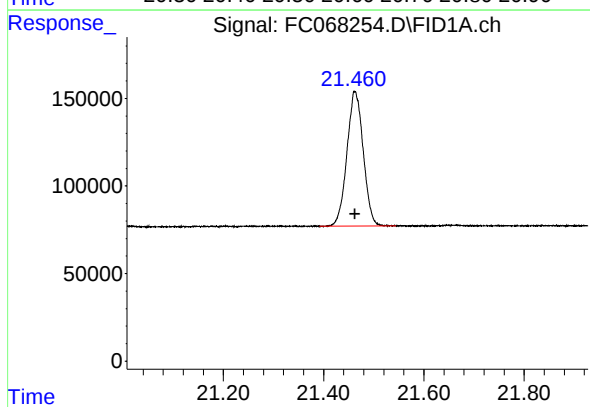
R.T.: 19.900 min
Delta R.T.: 0.000 min
Response: 1921336
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.611 min
Delta R.T.: 0.000 min
Response: 1804172
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.463 min
Delta R.T.: 0.000 min
Response: 1733236
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
 Data File : FC068254.D
 Signal(s) : FID1A.ch
 Acq On : 10 Feb 2025 17:38
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	3.208	3.174	3.271	BB	344103	2833506	91.55%	5.114%
2	4.265	4.234	4.328	BB	312569	2853357	92.19%	5.150%
3	5.831	5.798	5.914	BB	329933	3094970	100.00%	5.586%
4	6.273	6.234	6.334	BB	287834	2824656	91.27%	5.098%
5	6.884	6.848	6.971	BB	294443	2932900	94.76%	5.293%
6	8.062	8.028	8.124	BB	257216	2726217	88.09%	4.920%
7	9.657	9.621	9.724	BB	252359	2745870	88.72%	4.956%
8	11.095	11.058	11.158	BB	236897	2740539	88.55%	4.946%
9	11.400	11.361	11.451	BB	288971	3070458	99.21%	5.542%
10	12.401	12.351	12.464	BB	215019	2610929	84.36%	4.712%
11	12.842	12.804	12.904	BB	185197	2258872	72.99%	4.077%
12	13.011	12.968	13.074	BB	208305	2556207	82.59%	4.613%
13	13.596	13.554	13.658	BB	206427	2524938	81.58%	4.557%
14	14.696	14.641	14.758	BB	197006	2490472	80.47%	4.495%
15	15.714	15.648	15.774	BB	180907	2438036	78.77%	4.400%
16	16.662	16.598	16.724	BB	171177	2381498	76.95%	4.298%
17	17.549	17.481	17.601	BB	174807	2400071	77.55%	4.332%
18	18.380	18.328	18.434	BB	162329	2311459	74.68%	4.172%
19	19.161	19.121	19.211	BB	148420	2154239	69.60%	3.888%
20	19.900	19.851	19.944	BB	127484	1921336	62.08%	3.468%
21	20.611	20.551	20.681	BB	109957	1804172	58.29%	3.256%
22	21.463	21.391	21.544	BB	77234	1733236	56.00%	3.128%
Sum of corrected areas:							55407934	

Aliphatic EPH 021125.M Tue Feb 11 02:39:47 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
 Data File : FC068255.D
 Signal(s) : FID1A.ch
 Acq On : 10 Feb 2025 18:14
 Operator : YP/AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Feb 11 02:30:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Tue Feb 11 02:29:33 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)	11.398	1614436	10.516 ug/ml
Spiked Amount 50.000		Recovery =	21.03%
12) S 1-chlorooctadecane (S...	12.840	1174811	10.402 ug/ml
Spiked Amount 50.000		Recovery =	20.80%
Target Compounds			
1) T n-Nonane (C9)	3.208	1490390	10.520 ug/ml
2) T n-Decane (C10)	4.265	1497516	10.497 ug/ml
3) T A~Naphthalene (C11.7)	5.832	1604467	10.368 ug/ml
4) T n-Dodecane (C12)	6.273	1486768	10.527 ug/ml
5) T A~2-methylnaphthalene...	6.884	1503396	10.252 ug/ml
6) T n-Tetradecane (C14)	8.061	1434684	10.525 ug/ml
7) T n-Hexadecane (C16)	9.656	1432035	10.430 ug/ml
8) T n-Octadecane (C18)	11.093	1433269	10.460 ug/ml
10) T n-Eicosane (C20)	12.400	1367303	10.474 ug/ml
11) T n-Heneicosane (C21)	13.010	1344009	10.516 ug/ml
13) T n-Docosane (C22)	13.595	1321567	10.468 ug/ml
14) T n-Tetracosane (C24)	14.695	1302068	10.456 ug/ml
15) T n-Hexacosane (C26)	15.714	1273525	10.447 ug/ml
16) T n-Octacosane (C28)	16.661	1247372	10.476 ug/ml
17) T n-Tricontane (C30)	17.547	1280217	10.668 ug/ml
18) T n-Dotriacontane (C32)	18.378	1224121	10.592 ug/ml
19) T n-Tetratriacontane (C34)	19.160	1138846	10.573 ug/ml
20) T n-Hexatriacontane (C36)	19.898	1016654	10.583 ug/ml
21) T n-Octatriacontane (C38)	20.611	943380	10.458 ug/ml
22) T n-Tetracontane (C40)	21.461	910849	10.510 ug/ml

(f)=RT Delta > 1/2 Window

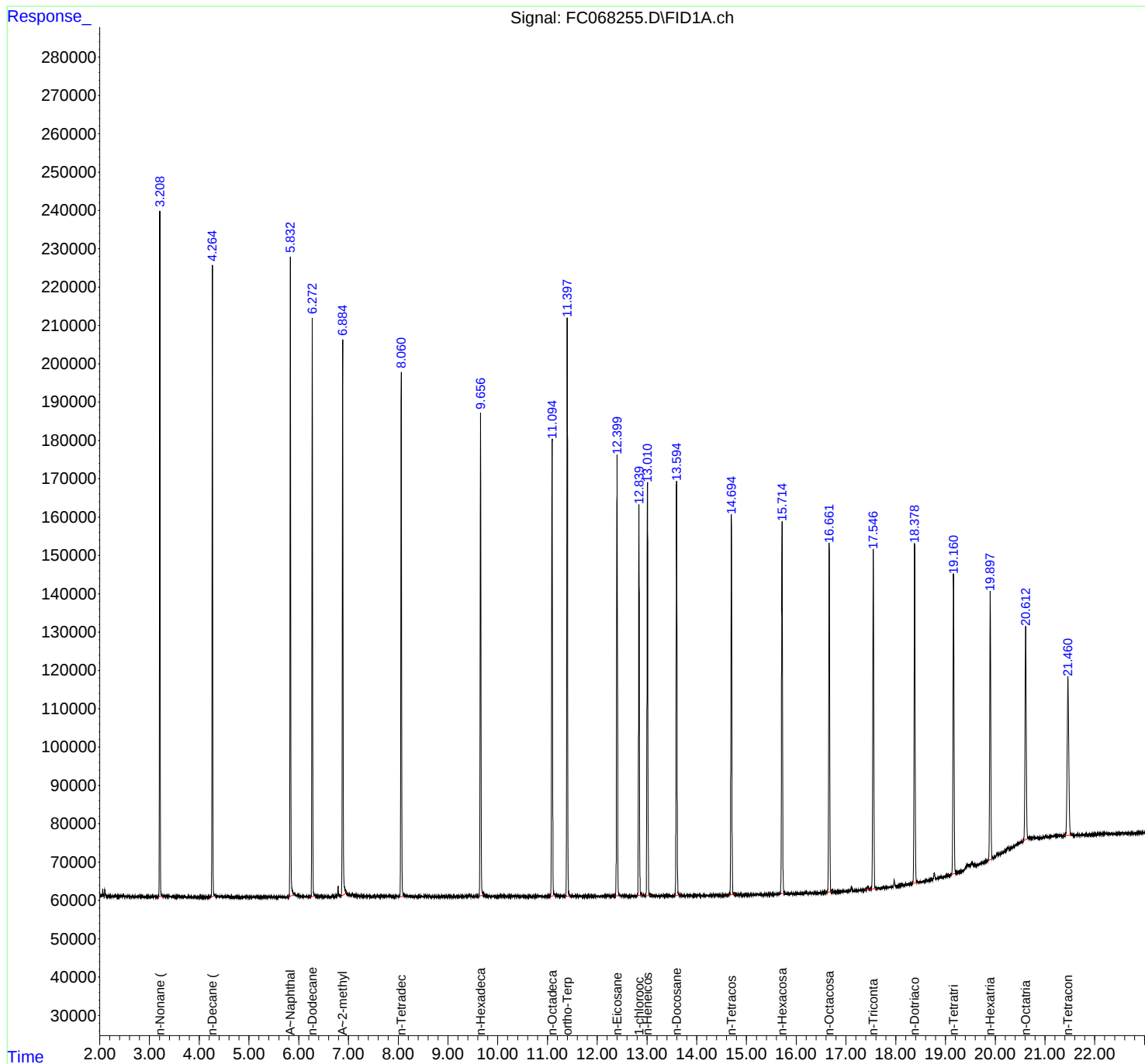
(m)=manual int.

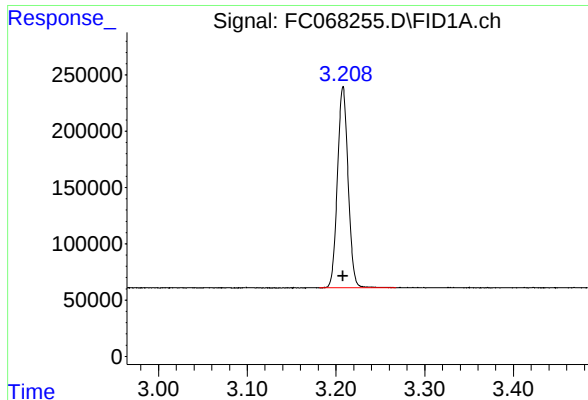
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
Data File : FC068255.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 18:14
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Feb 11 02:30:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Tue Feb 11 02:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

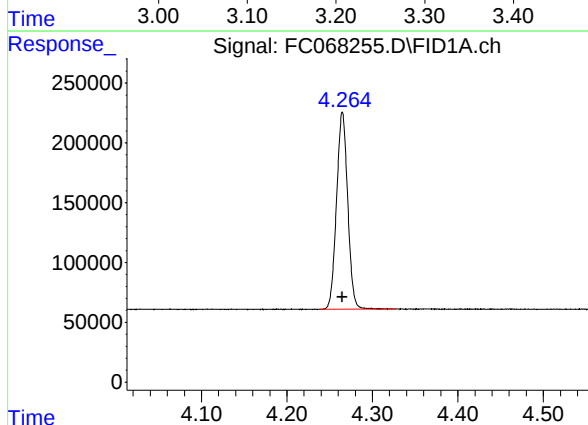




#1 n-Nonane (C9)

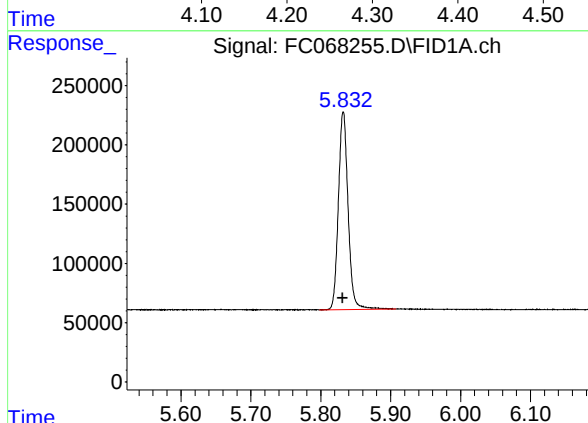
R.T.: 3.208 min
Delta R.T.: 0.000 min
Response: 1490390
Conc: 10.52 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



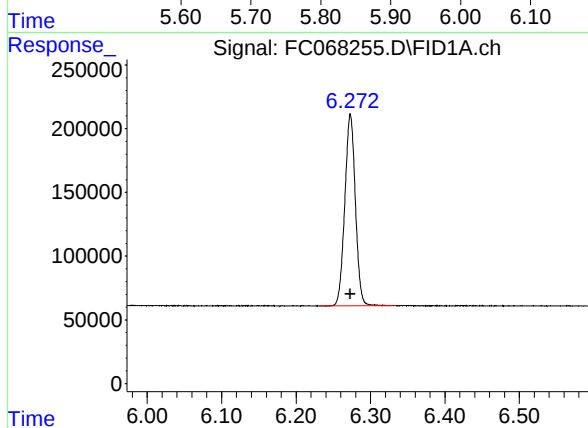
#2 n-Decane (C10)

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 1497516
Conc: 10.50 ug/ml



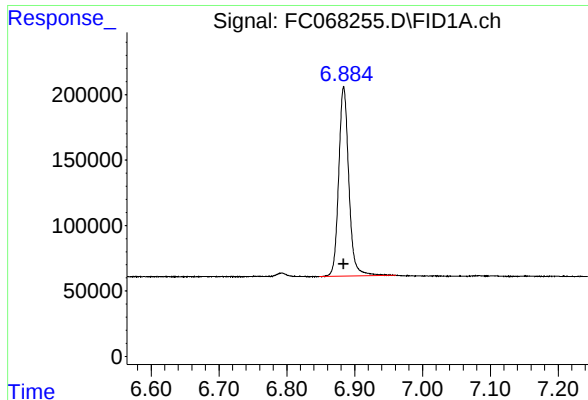
#3 A~Naphthalene (C11.7)

R.T.: 5.832 min
Delta R.T.: 0.000 min
Response: 1604467
Conc: 10.37 ug/ml



#4 n-Dodecane (C12)

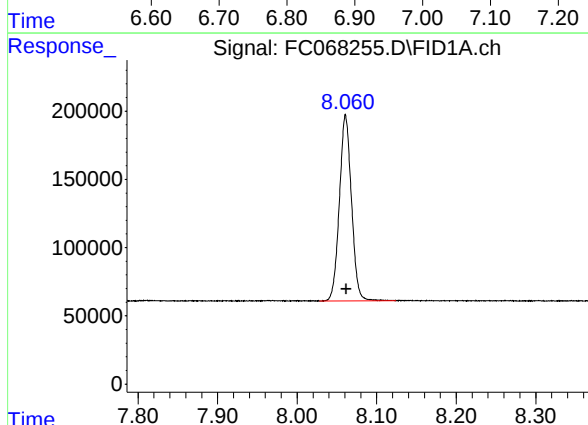
R.T.: 6.273 min
Delta R.T.: 0.000 min
Response: 1486768
Conc: 10.53 ug/ml



#5 A~2-methylnaphthalene (C12.89)

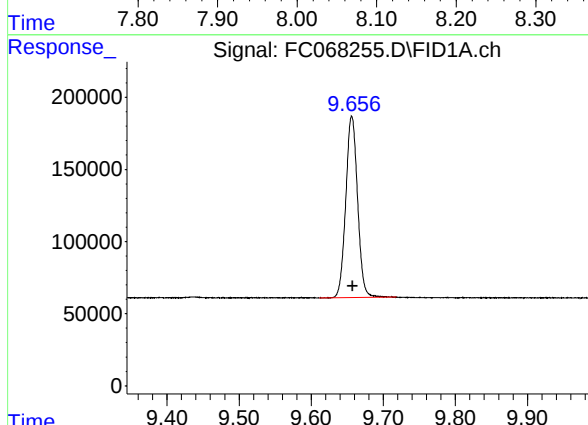
R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 1503396
Conc: 10.25 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



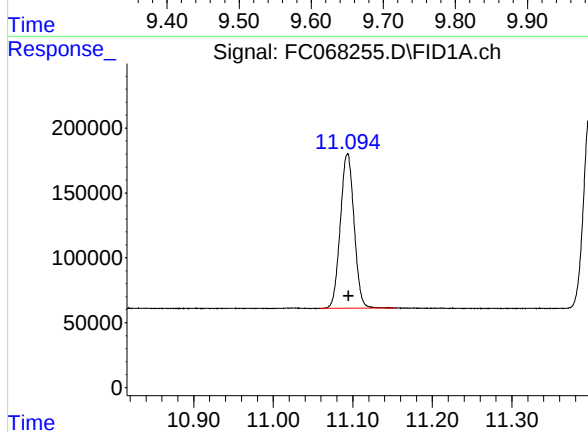
#6 n-Tetradecane (C14)

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 1434684
Conc: 10.53 ug/ml



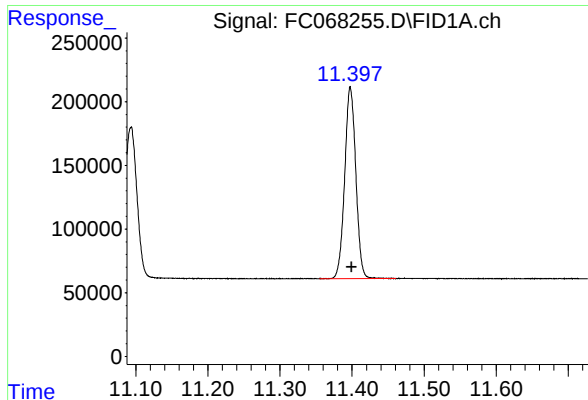
#7 n-Hexadecane (C16)

R.T.: 9.656 min
Delta R.T.: 0.000 min
Response: 1432035
Conc: 10.43 ug/ml



#8 n-Octadecane (C18)

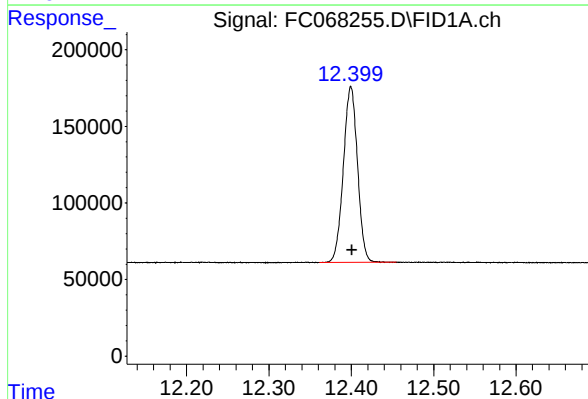
R.T.: 11.093 min
Delta R.T.: -0.001 min
Response: 1433269
Conc: 10.46 ug/ml



#9 ortho-Terphenyl (SURR)

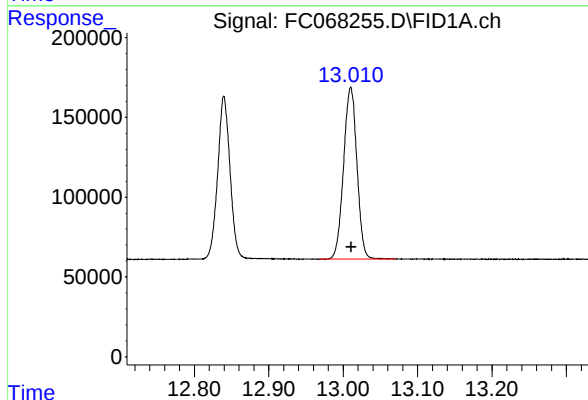
R.T.: 11.398 min
Delta R.T.: -0.002 min
Response: 1614436
Conc: 10.52 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



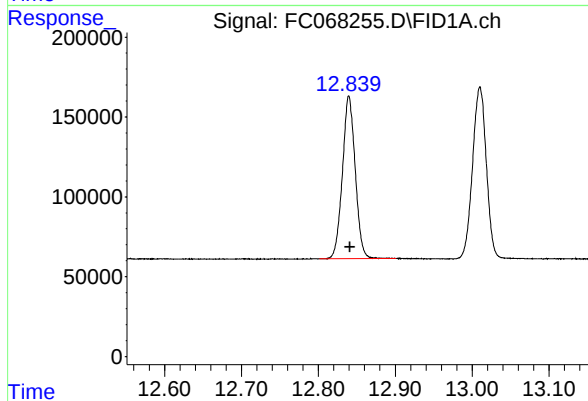
#10 n-Eicosane (C20)

R.T.: 12.400 min
Delta R.T.: -0.001 min
Response: 1367303
Conc: 10.47 ug/ml



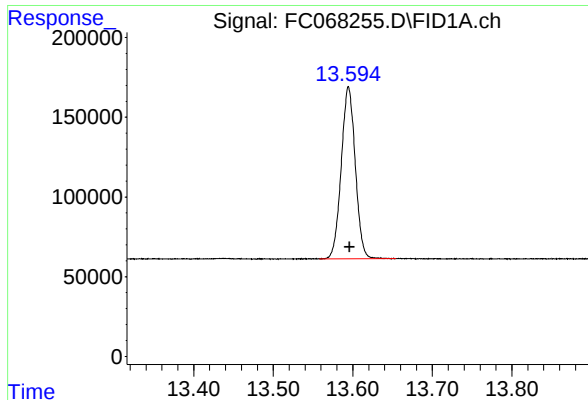
#11 n-Heneicosane (C21)

R.T.: 13.010 min
Delta R.T.: 0.000 min
Response: 1344009
Conc: 10.52 ug/ml



#12 1-chlorooctadecane (SURR)

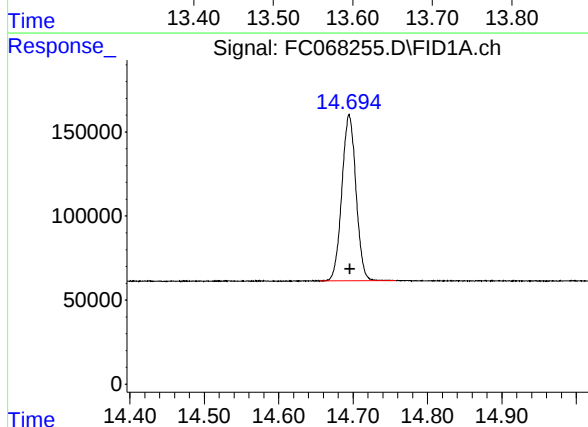
R.T.: 12.840 min
Delta R.T.: -0.002 min
Response: 1174811
Conc: 10.40 ug/ml



#13 n-Docosane (C22)

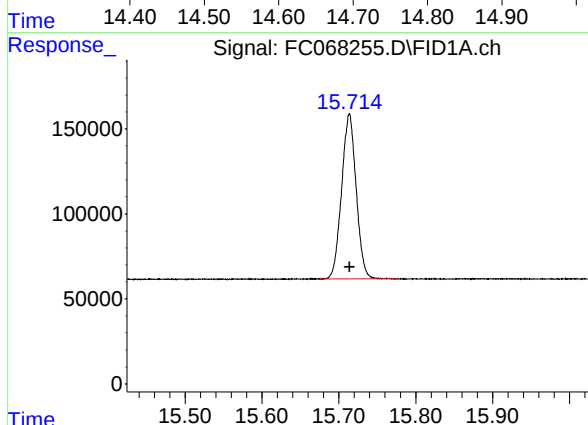
R.T.: 13.595 min
Delta R.T.: -0.001 min
Response: 1321567
Conc: 10.47 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



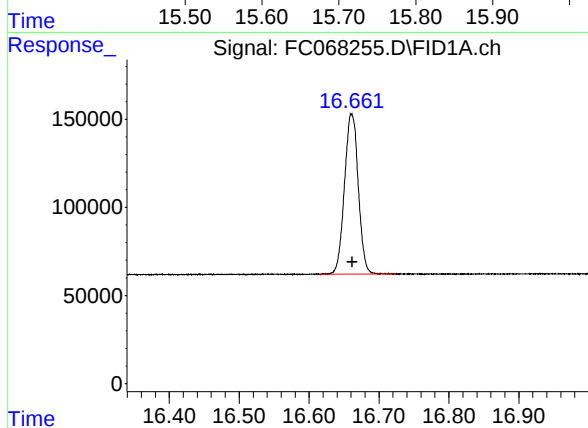
#14 n-Tetracosane (C24)

R.T.: 14.695 min
Delta R.T.: -0.001 min
Response: 1302068
Conc: 10.46 ug/ml



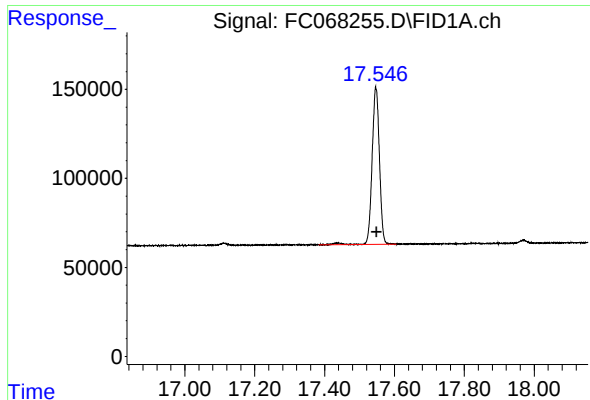
#15 n-Hexacosane (C26)

R.T.: 15.714 min
Delta R.T.: 0.000 min
Response: 1273525
Conc: 10.45 ug/ml



#16 n-Octacosane (C28)

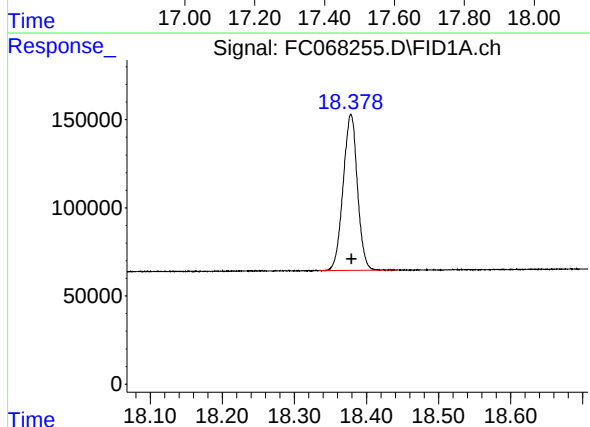
R.T.: 16.661 min
Delta R.T.: -0.001 min
Response: 1247372
Conc: 10.48 ug/ml



#17 n-Tricontane (C30)

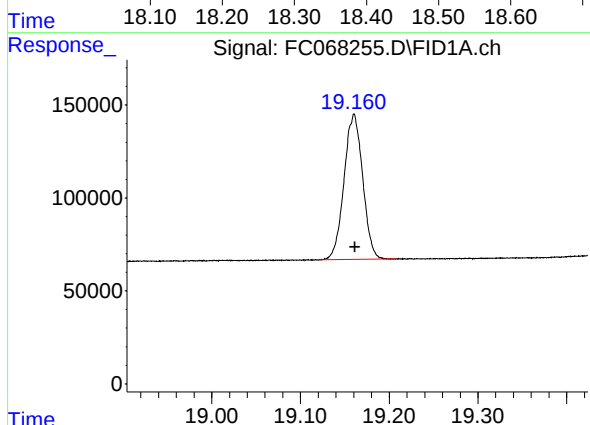
R.T.: 17.547 min
Delta R.T.: -0.002 min
Response: 1280217
Conc: 10.67 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



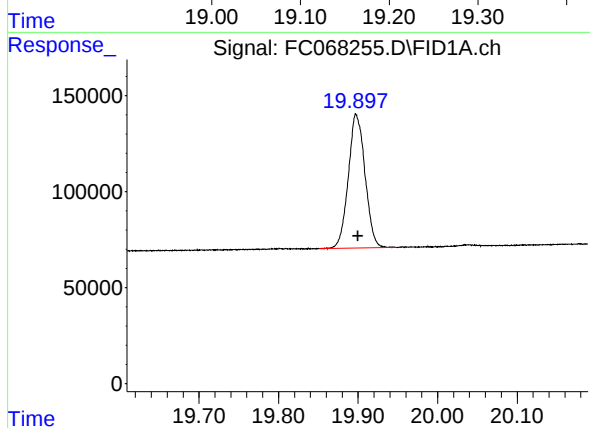
#18 n-Dotriacontane (C32)

R.T.: 18.378 min
Delta R.T.: -0.001 min
Response: 1224121
Conc: 10.59 ug/ml



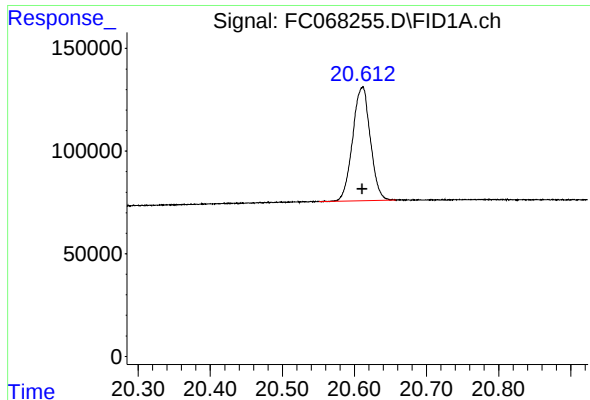
#19 n-Tetatriacontane (C34)

R.T.: 19.160 min
Delta R.T.: -0.001 min
Response: 1138846
Conc: 10.57 ug/ml



#20 n-Hexatriacontane (C36)

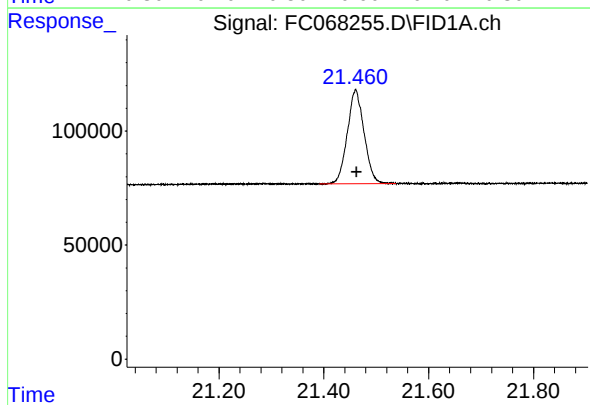
R.T.: 19.898 min
Delta R.T.: -0.002 min
Response: 1016654
Conc: 10.58 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.611 min
Delta R.T.: 0.000 min
Response: 943380
Conc: 10.46 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.461 min
Delta R.T.: -0.002 min
Response: 910849
Conc: 10.51 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
Data File : FC068255.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 18:14
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	3.208	3.181	3.268	BB	177887	1490390	92.32%	5.132%
2	4.265	4.238	4.328	BB	163966	1497516	92.76%	5.156%
3	5.832	5.798	5.908	BB	166500	1604467	99.38%	5.525%
4	6.273	6.231	6.334	BB	149363	1486768	92.09%	5.119%
5	6.884	6.848	6.961	BB	144374	1503396	93.12%	5.177%
6	8.061	8.028	8.124	BB	135629	1434684	88.87%	4.940%
7	9.656	9.611	9.718	BB	125467	1432035	88.70%	4.931%
8	11.093	11.058	11.154	BB	119437	1433269	88.78%	4.935%
9	11.398	11.354	11.461	BB	150022	1614436	100.00%	5.559%
10	12.400	12.361	12.454	BB	114828	1367303	84.69%	4.708%
11	12.840	12.801	12.901	BB	100668	1174811	72.77%	4.045%
12	13.010	12.968	13.071	BB	107522	1344009	83.25%	4.628%
13	13.595	13.558	13.654	BB	107806	1321567	81.86%	4.551%
14	14.695	14.654	14.758	BB	98638	1302068	80.65%	4.483%
15	15.714	15.674	15.774	BB	97396	1273525	78.88%	4.385%
16	16.661	16.614	16.724	BB	90943	1247372	77.26%	4.295%
17	17.547	17.384	17.604	BB	87801	1280217	79.30%	4.408%
18	18.378	18.334	18.441	BB	88680	1224121	75.82%	4.215%
19	19.160	19.121	19.208	BB	78237	1138846	70.54%	3.921%
20	19.898	19.851	19.948	BB	69453	1016654	62.97%	3.501%
21	20.611	20.551	20.658	BB	55376	943380	58.43%	3.248%
22	21.461	21.391	21.538	BB	41390	910849	56.42%	3.136%
Sum of corrected areas:							29041681	

Aliphatic EPH 021125.M Tue Feb 11 02:40:05 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
 Data File : FC068256.D
 Signal(s) : FID1A.ch
 Acq On : 10 Feb 2025 18:50
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Feb 11 02:30:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Tue Feb 11 02:29:33 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)	11.397	824094	5.368 ug/ml
Spiked Amount 50.000		Recovery =	10.74%
12) S 1-chlorooctadecane (S...	12.840	593786	5.257 ug/ml
Spiked Amount 50.000		Recovery =	10.51%
Target Compounds			
1) T n-Nonane (C9)	3.208	739660	5.221 ug/ml
2) T n-Decane (C10)	4.265	741867	5.200 ug/ml
3) T A~Naphthalene (C11.7)	5.833	779725	5.039 ug/ml
4) T n-Dodecane (C12)	6.273	740350	5.242 ug/ml
5) T A~2-methylnaphthalene...	6.884	729676	4.976 ug/ml
6) T n-Tetradecane (C14)	8.060	721115	5.290 ug/ml
7) T n-Hexadecane (C16)	9.655	722933	5.266 ug/ml
8) T n-Octadecane (C18)	11.093	728153	5.314 ug/ml
10) T n-Eicosane (C20)	12.398	697130	5.340 ug/ml
11) T n-Heneicosane (C21)	13.009	687316	5.378 ug/ml
13) T n-Docosane (C22)	13.594	674382	5.342 ug/ml
14) T n-Tetracosane (C24)	14.694	667971	5.364 ug/ml
15) T n-Hexacosane (C26)	15.713	652733	5.355 ug/ml
16) T n-Octacosane (C28)	16.660	639945	5.374 ug/ml
17) T n-Tricontane (C30)	17.547	654656	5.455 ug/ml
18) T n-Dotriacontane (C32)	18.378	639981	5.537 ug/ml
19) T n-Tetratriacontane (C34)	19.160	592586	5.502 ug/ml
20) T n-Hexatriacontane (C36)	19.899	518944	5.402 ug/ml
21) T n-Octatriacontane (C38)	20.609	485383	5.381 ug/ml
22) T n-Tetracontane (C40)	21.462	459428	5.301 ug/ml

(f)=RT Delta > 1/2 Window

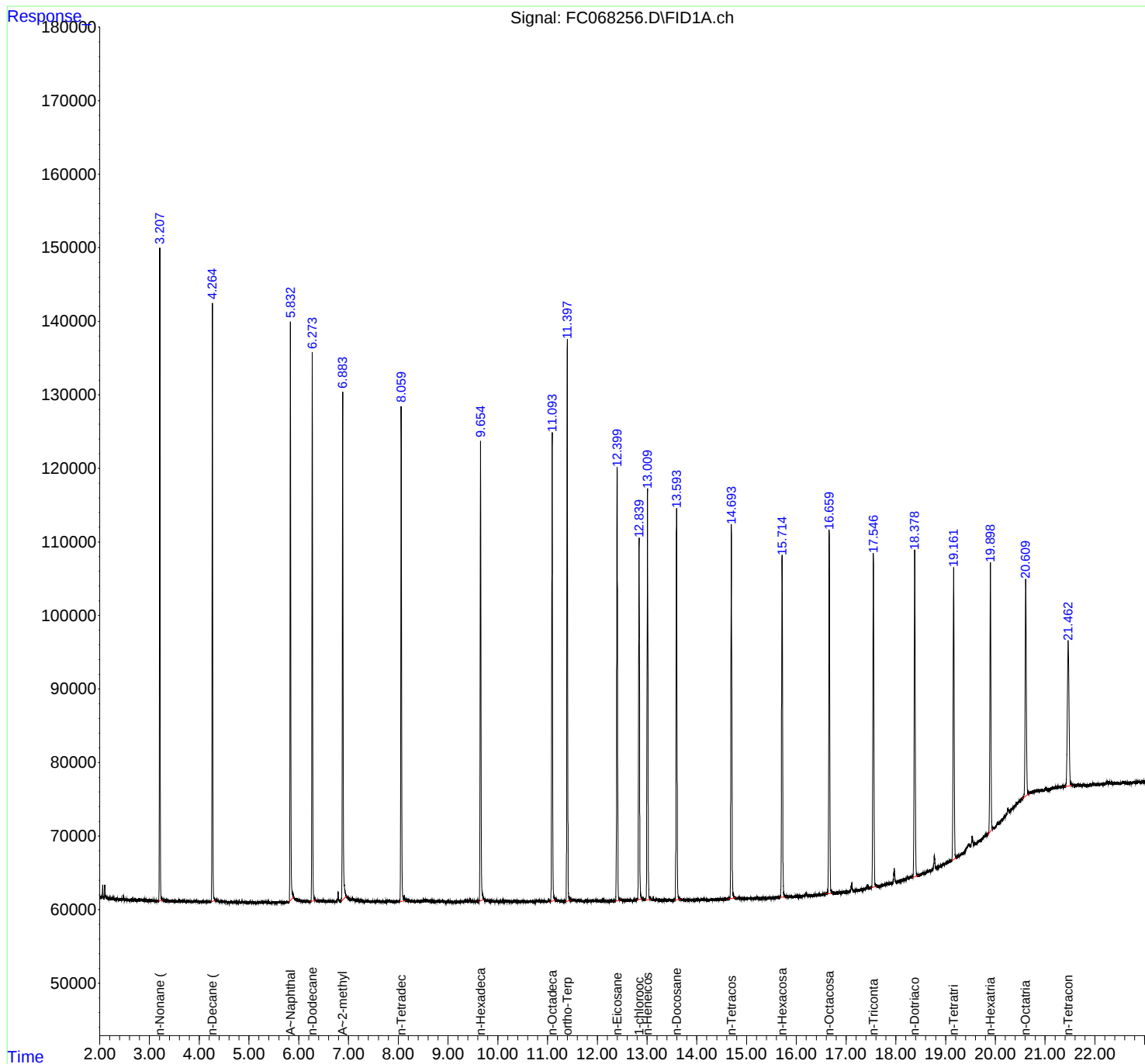
(m)=manual int.

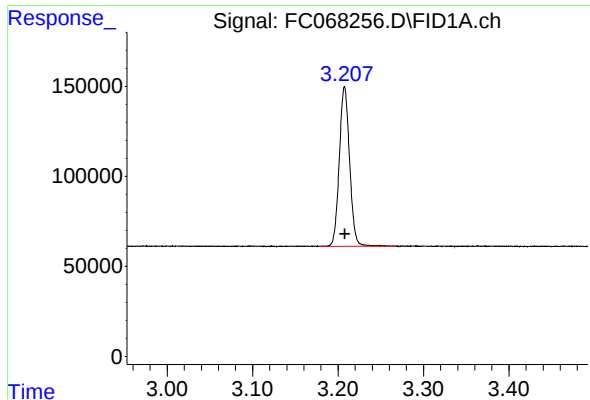
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
Data File : FC068256.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 18:50
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Feb 11 02:30:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Tue Feb 11 02:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

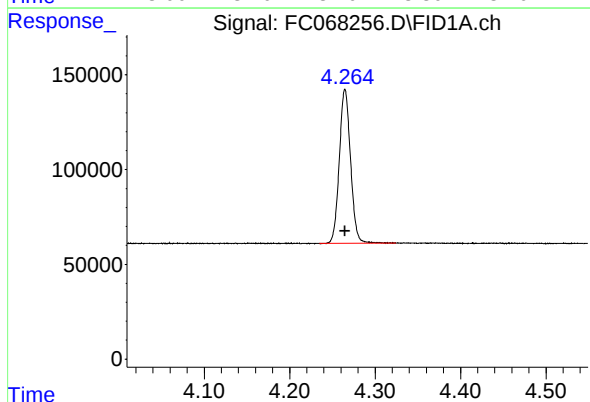




#1 n-Nonane (C9)

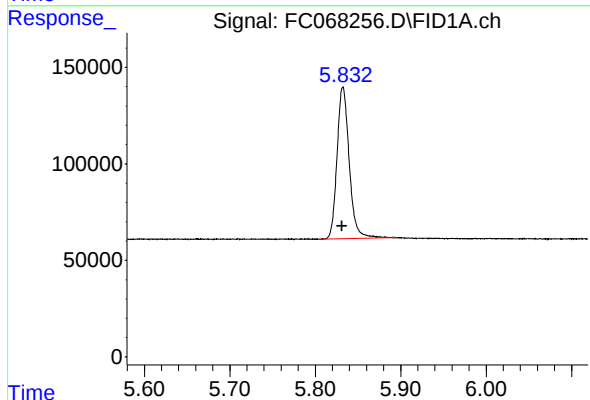
R.T.: 3.208 min
Delta R.T.: 0.000 min
Response: 739660
Conc: 5.22 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



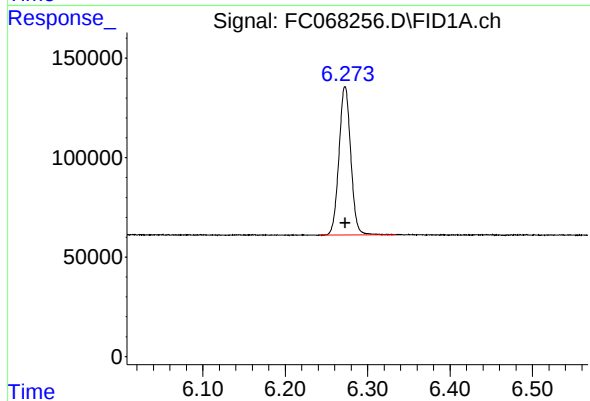
#2 n-Decane (C10)

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 741867
Conc: 5.20 ug/ml



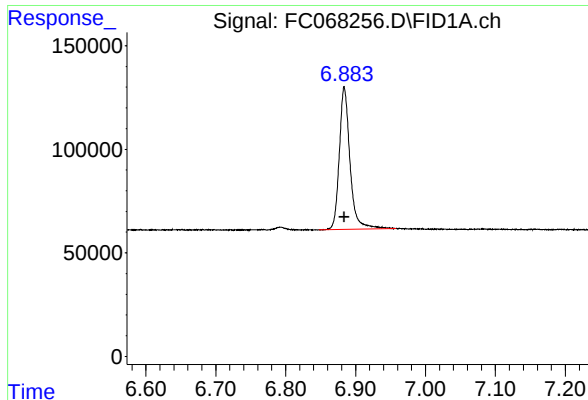
#3 A~Naphthalene (C11.7)

R.T.: 5.833 min
Delta R.T.: 0.001 min
Response: 779725
Conc: 5.04 ug/ml



#4 n-Dodecane (C12)

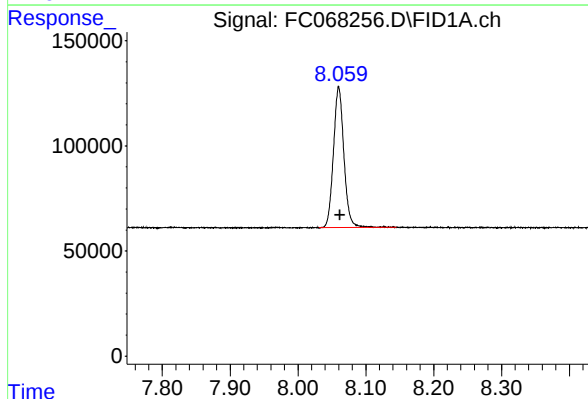
R.T.: 6.273 min
Delta R.T.: 0.000 min
Response: 740350
Conc: 5.24 ug/ml



#5 A~2-methylnaphthalene (C12.89)

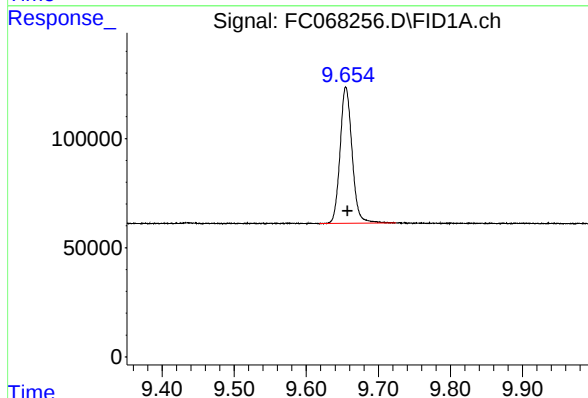
R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 729676
Conc: 4.98 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



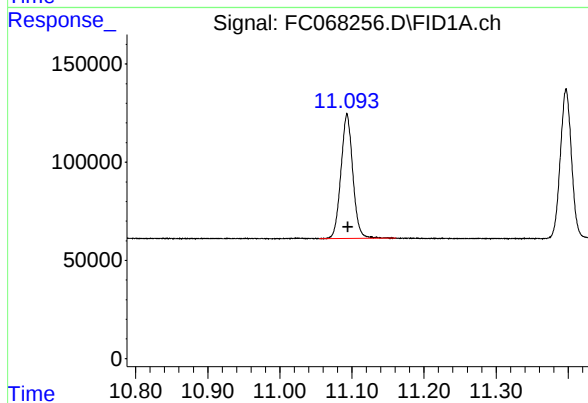
#6 n-Tetradecane (C14)

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 721115
Conc: 5.29 ug/ml



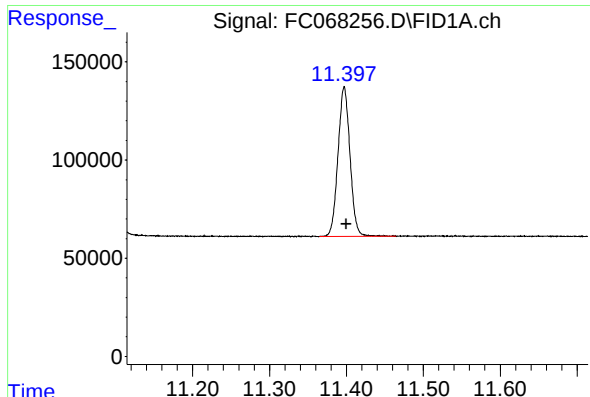
#7 n-Hexadecane (C16)

R.T.: 9.655 min
Delta R.T.: -0.002 min
Response: 722933
Conc: 5.27 ug/ml



#8 n-Octadecane (C18)

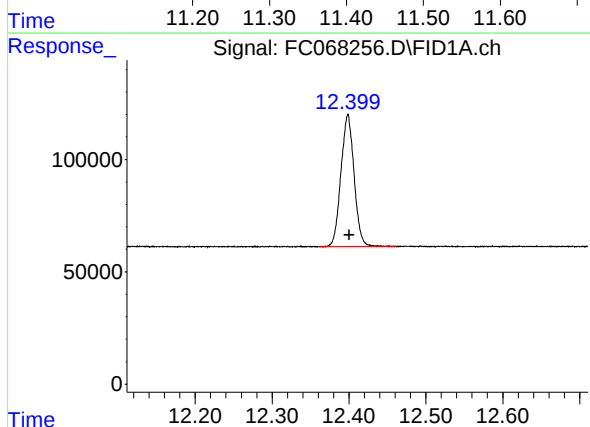
R.T.: 11.093 min
Delta R.T.: -0.001 min
Response: 728153
Conc: 5.31 ug/ml



#9 ortho-Terphenyl (SURR)

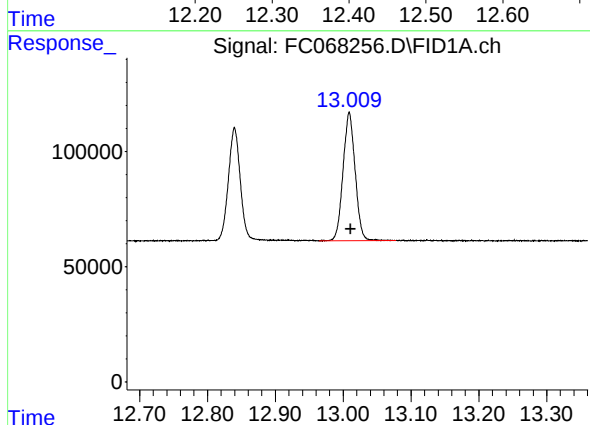
R.T.: 11.397 min
Delta R.T.: -0.003 min
Response: 824094
Conc: 5.37 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



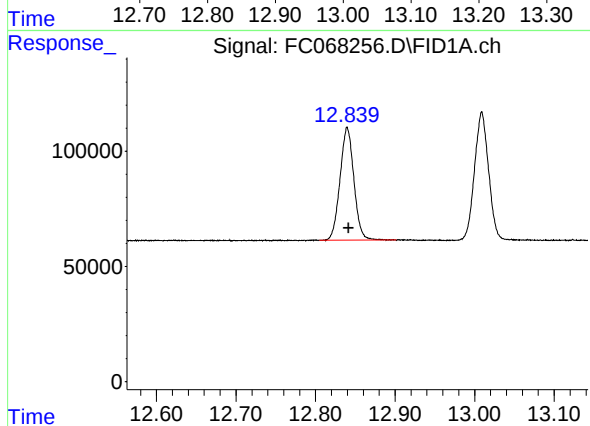
#10 n-Eicosane (C20)

R.T.: 12.398 min
Delta R.T.: -0.002 min
Response: 697130
Conc: 5.34 ug/ml



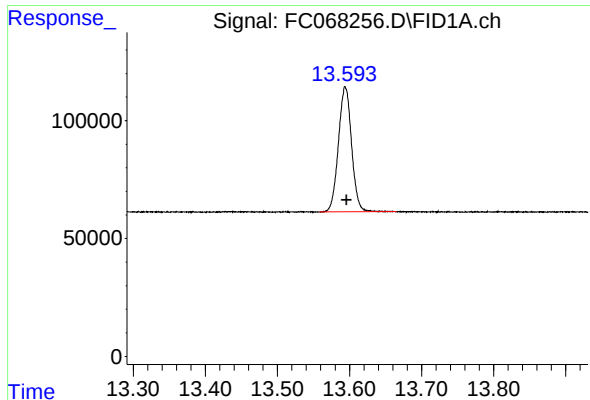
#11 n-Heneicosane (C21)

R.T.: 13.009 min
Delta R.T.: -0.002 min
Response: 687316
Conc: 5.38 ug/ml



#12 1-chlorooctadecane (SURR)

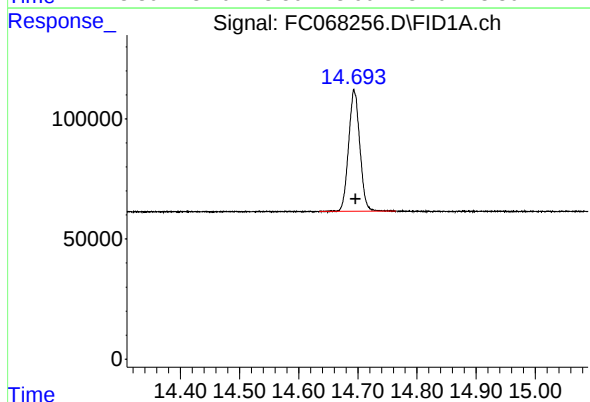
R.T.: 12.840 min
Delta R.T.: -0.002 min
Response: 593786
Conc: 5.26 ug/ml



#13 n-Docosane (C22)

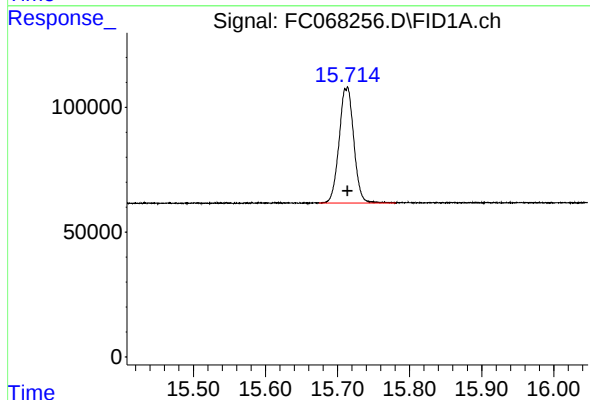
R.T.: 13.594 min
Delta R.T.: -0.002 min
Response: 674382
Conc: 5.34 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



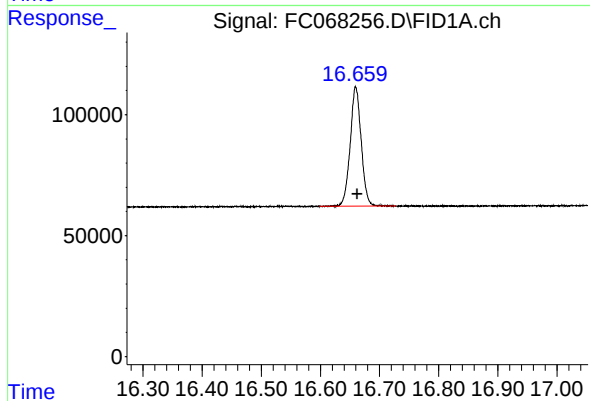
#14 n-Tetracosane (C24)

R.T.: 14.694 min
Delta R.T.: -0.002 min
Response: 667971
Conc: 5.36 ug/ml



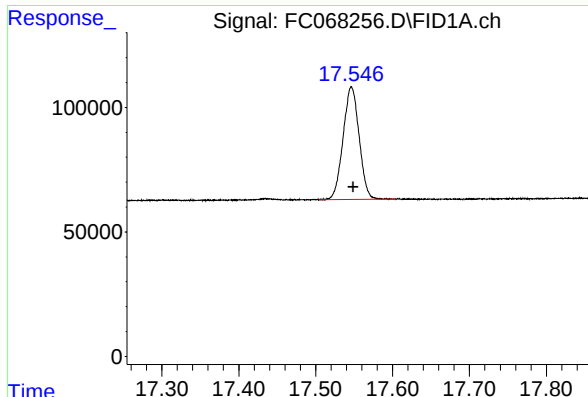
#15 n-Hexacosane (C26)

R.T.: 15.713 min
Delta R.T.: -0.001 min
Response: 652733
Conc: 5.35 ug/ml



#16 n-Octacosane (C28)

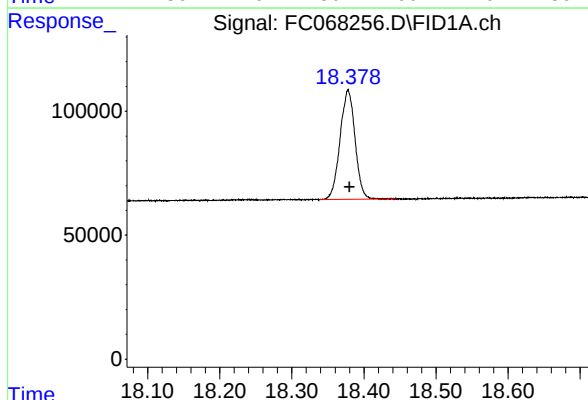
R.T.: 16.660 min
Delta R.T.: -0.002 min
Response: 639945
Conc: 5.37 ug/ml



#17 n-Tricontane (C30)

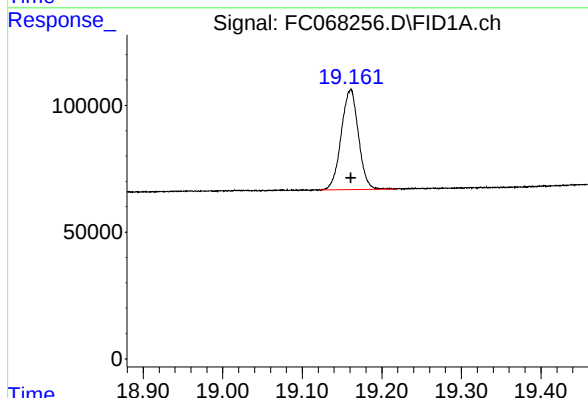
R.T.: 17.547 min
Delta R.T.: -0.002 min
Response: 654656
Conc: 5.46 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



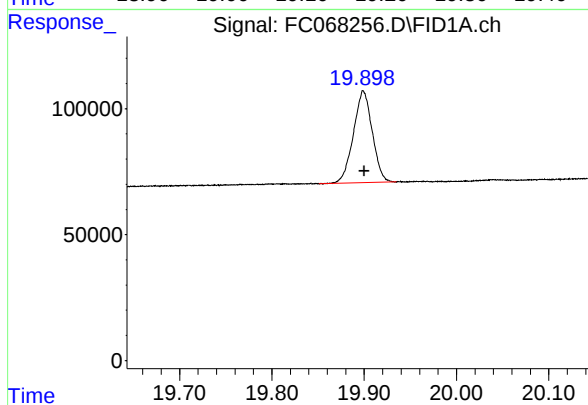
#18 n-Dotriacontane (C32)

R.T.: 18.378 min
Delta R.T.: -0.002 min
Response: 639981
Conc: 5.54 ug/ml



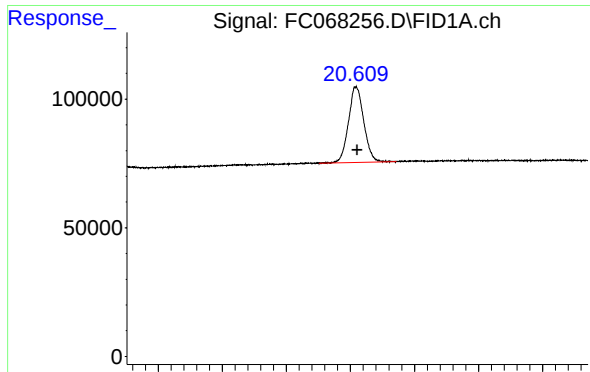
#19 n-Tetatriacontane (C34)

R.T.: 19.160 min
Delta R.T.: 0.000 min
Response: 592586
Conc: 5.50 ug/ml



#20 n-Hexatriacontane (C36)

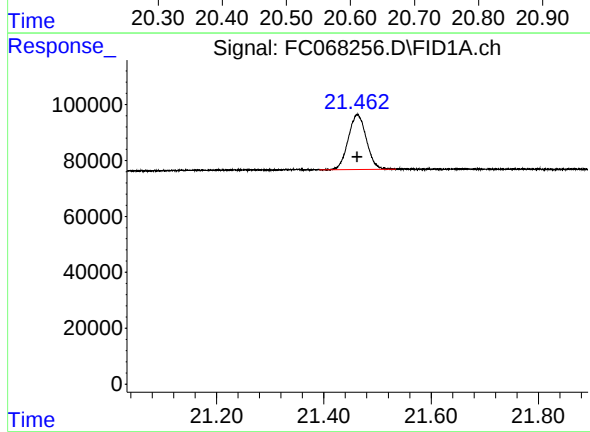
R.T.: 19.899 min
Delta R.T.: 0.000 min
Response: 518944
Conc: 5.40 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.609 min
Delta R.T.: -0.002 min
Response: 485383
Conc: 5.38 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.462 min
Delta R.T.: 0.000 min
Response: 459428
Conc: 5.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
 Data File : FC068256.D
 Signal(s) : FID1A.ch
 Acq On : 10 Feb 2025 18:50
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	3.208	3.178	3.268	BB	88225	739660	89.75%	5.035%
2	4.265	4.234	4.324	BB	81016	741867	90.02%	5.050%
3	5.833	5.804	5.894	BB	78603	779725	94.62%	5.307%
4	6.273	6.241	6.334	BB	74589	740350	89.84%	5.039%
5	6.884	6.848	6.958	BB	68142	729676	88.54%	4.967%
6	8.060	8.031	8.144	BB	66668	721115	87.50%	4.908%
7	9.655	9.618	9.724	BB	62427	722933	87.72%	4.921%
8	11.093	11.054	11.161	BB	62811	728153	88.36%	4.956%
9	11.397	11.364	11.464	BB	75900	824094	100.00%	5.609%
10	12.398	12.361	12.461	BB	58302	697130	84.59%	4.745%
11	12.840	12.804	12.901	BB	48610	593786	72.05%	4.042%
12	13.009	12.964	13.078	BB	55281	687316	83.40%	4.678%
13	13.594	13.558	13.664	BB	53078	674382	81.83%	4.590%
14	14.694	14.634	14.764	BB	50164	667971	81.06%	4.547%
15	15.713	15.674	15.781	BB	46241	652733	79.21%	4.443%
16	16.660	16.598	16.728	BB	48962	639945	77.65%	4.356%
17	17.547	17.504	17.604	BB	44994	654656	79.44%	4.456%
18	18.378	18.338	18.444	BB	44176	639981	77.66%	4.356%
19	19.160	19.121	19.218	BB	39586	592586	71.91%	4.033%
20	19.899	19.851	19.934	BB	36345	518944	62.97%	3.532%
21	20.609	20.551	20.671	BB	29349	485383	58.90%	3.304%
22	21.462	21.391	21.534	BB	19678	459428	55.75%	3.127%
Sum of corrected areas:							14691811	

Aliphatic EPH 021125.M Tue Feb 11 02:40:20 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
 Data File : FC068257.D
 Signal(s) : FID1A.ch
 Acq On : 10 Feb 2025 19:26
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Feb 11 02:33:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Tue Feb 11 02:29:33 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)	11.399	3006153	19.591 ug/ml
Spiked Amount 50.000		Recovery =	39.18%
12) S 1-chlorooctadecane (S...	12.841	2210712	19.655 ug/ml
Spiked Amount 50.000		Recovery =	39.31%
Target Compounds			
1) T n-Nonane (C9)	3.207	2763389	19.644 ug/ml
2) T n-Decane (C10)	4.265	2787474	19.676 ug/ml
3) T A~Naphthalene (C11.7)	5.832	3022645	19.751 ug/ml
4) T n-Dodecane (C12)	6.274	2762475	19.626 ug/ml
5) T A~2-methylnaphthalene...	6.884	2871264	19.825 ug/ml
6) T n-Tetradecane (C14)	8.061	2665240	19.548 ug/ml
7) T n-Hexadecane (C16)	9.657	2676698	19.543 ug/ml
8) T n-Octadecane (C18)	11.095	2671678	19.536 ug/ml
10) T n-Eicosane (C20)	12.401	2547036	19.549 ug/ml
11) T n-Heneicosane (C21)	13.011	2500910	19.562 ug/ml
13) T n-Docosane (C22)	13.595	2472408	19.618 ug/ml
14) T n-Tetracosane (C24)	14.696	2447601	19.679 ug/ml
15) T n-Hexacosane (C26)	15.714	2396918	19.713 ug/ml
16) T n-Octacosane (C28)	16.662	2352553	19.808 ug/ml
17) T n-Tricontane (C30)	17.548	2368324	19.676 ug/ml
18) T n-Dotriacontane (C32)	18.379	2282342	19.664 ug/ml
19) T n-Tetratriacontane (C34)	19.160	2121381	19.632 ug/ml
20) T n-Hexatriacontane (C36)	19.898	1897153	19.727 ug/ml
21) T n-Octatriacontane (C38)	20.609	1768616	19.674 ug/ml
22) T n-Tetracontane (C40)	21.462	1709466	19.758 ug/ml

(f)=RT Delta > 1/2 Window

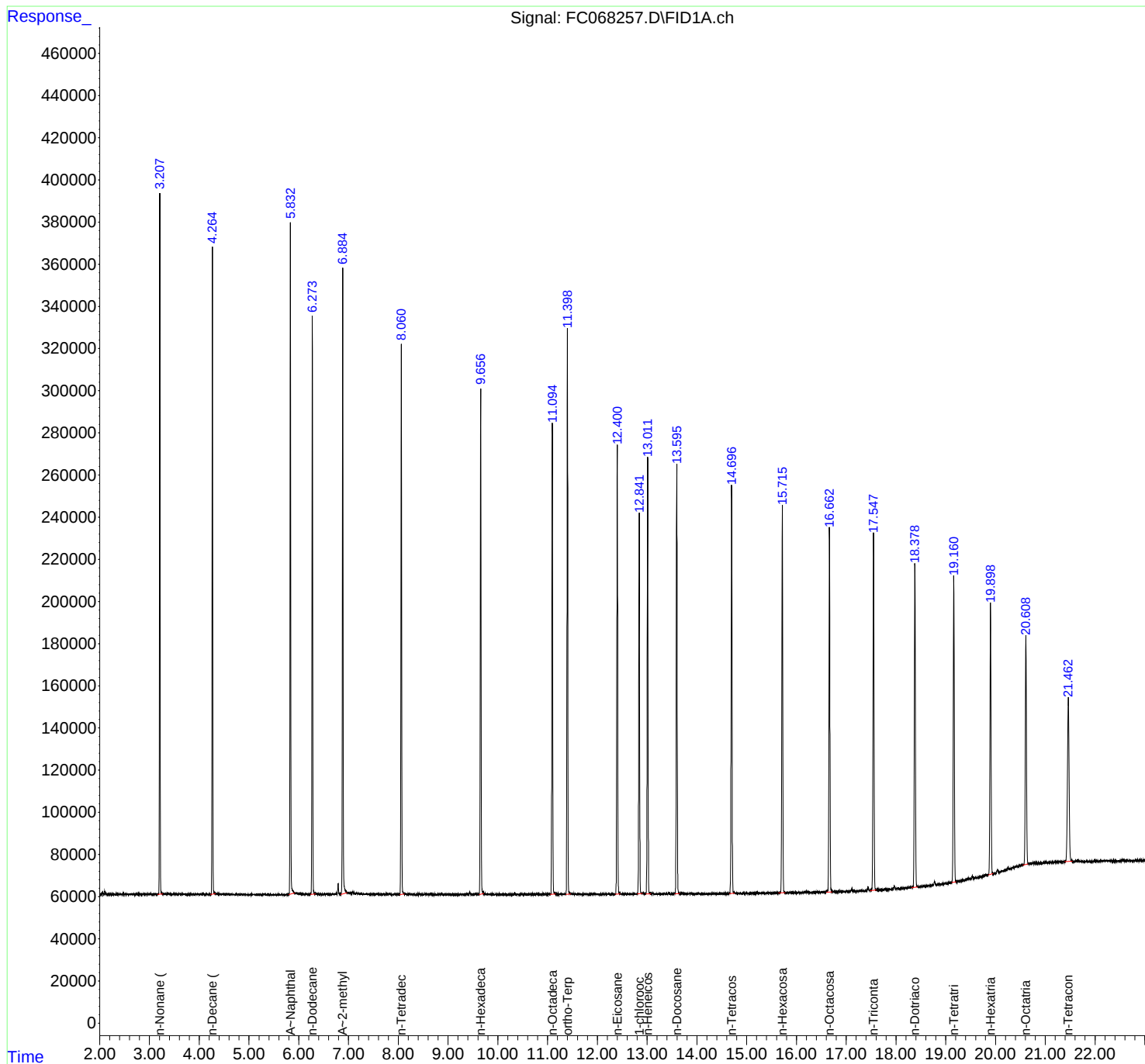
(m)=manual int.

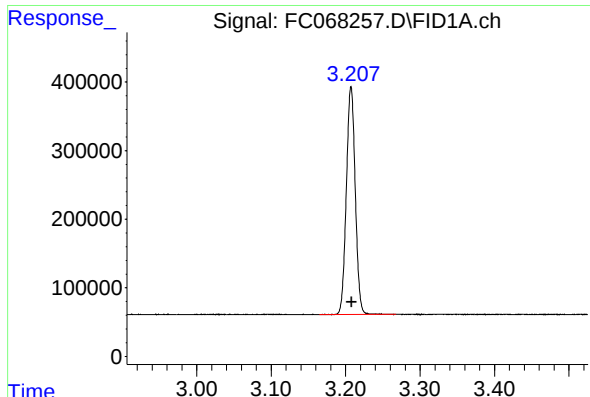
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
Data File : FC068257.D
Signal(s) : FID1A.ch
Acq On : 10 Feb 2025 19:26
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Feb 11 02:33:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Tue Feb 11 02:29:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 n-Nonane (C9)

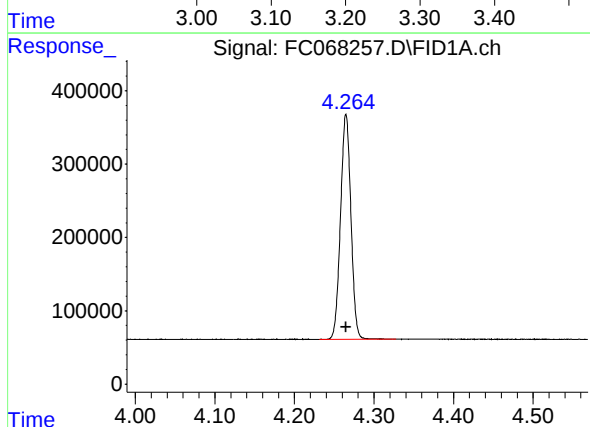
R.T.: 3.207 min
Delta R.T.: 0.000 min
Response: 2763389
Conc: 19.64 ug/ml

Instrument :

FID_C

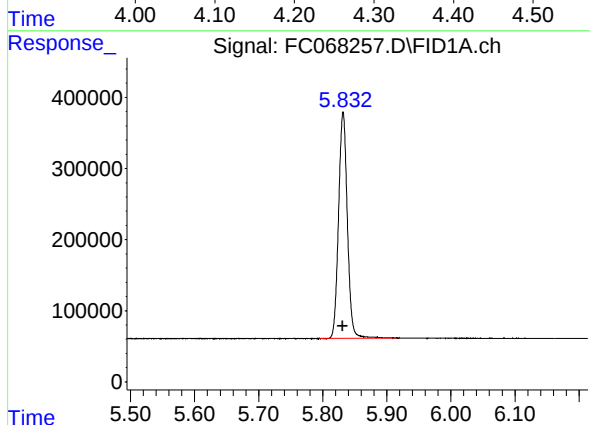
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



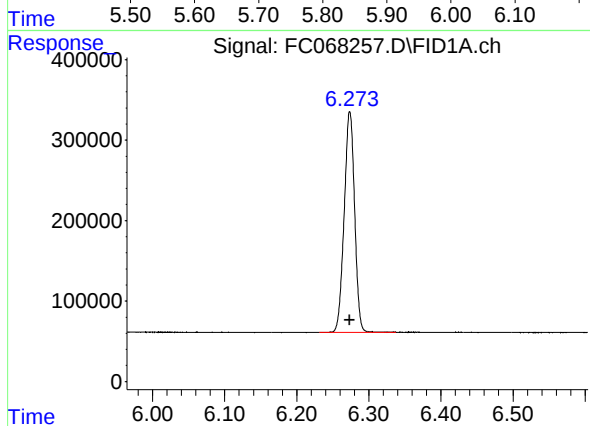
#2 n-Decane (C10)

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 2787474
Conc: 19.68 ug/ml



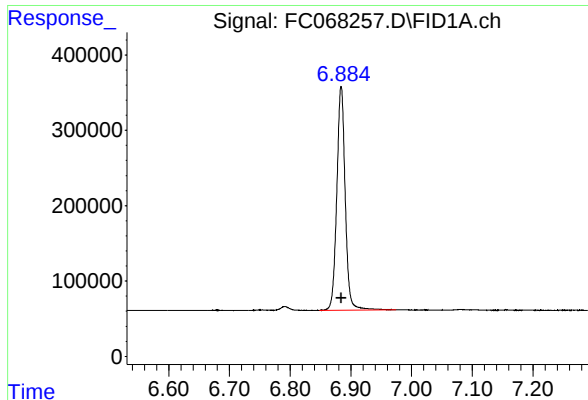
#3 A~Naphthalene (C11.7)

R.T.: 5.832 min
Delta R.T.: 0.000 min
Response: 3022645
Conc: 19.75 ug/ml



#4 n-Dodecane (C12)

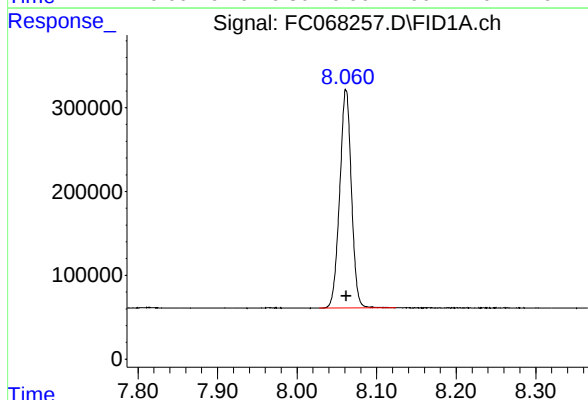
R.T.: 6.274 min
Delta R.T.: 0.000 min
Response: 2762475
Conc: 19.63 ug/ml



#5 A~2-methylnaphthalene (C12.89)

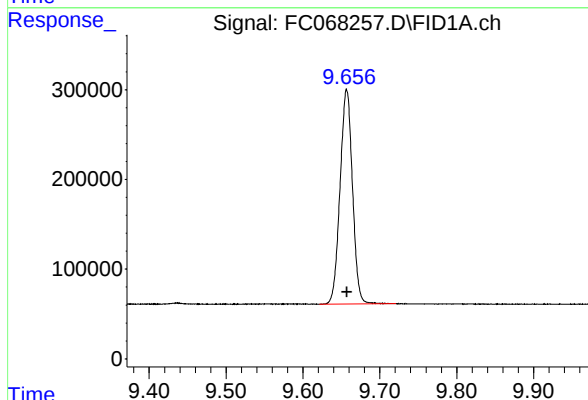
R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 2871264
Conc: 19.83 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



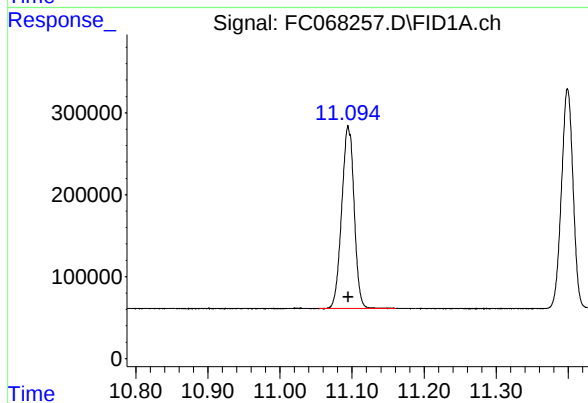
#6 n-Tetradecane (C14)

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 2665240
Conc: 19.55 ug/ml



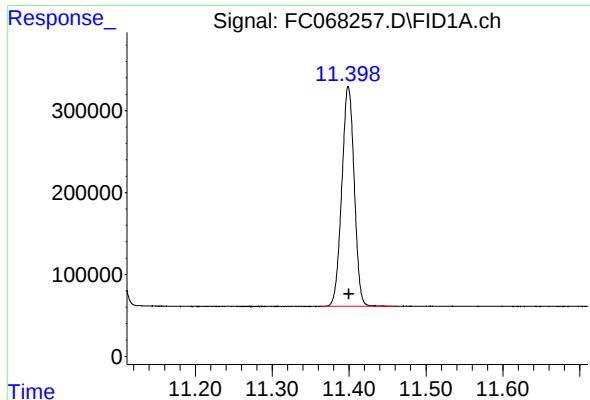
#7 n-Hexadecane (C16)

R.T.: 9.657 min
Delta R.T.: 0.000 min
Response: 2676698
Conc: 19.54 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.095 min
Delta R.T.: 0.000 min
Response: 2671678
Conc: 19.54 ug/ml



#9 ortho-Terphenyl (SURR)

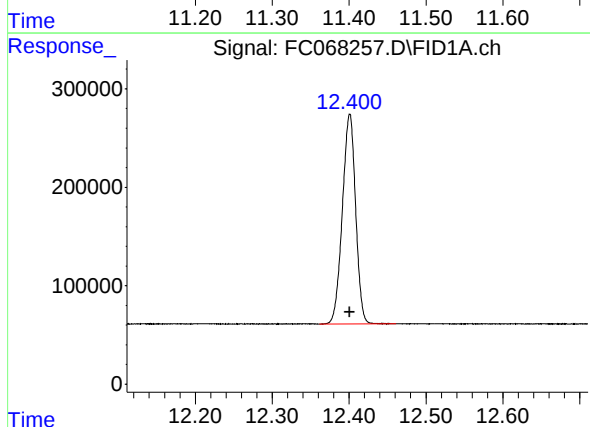
R.T.: 11.399 min
Delta R.T.: 0.000 min
Response: 3006153
Conc: 19.59 ug/ml

Instrument :

FID_C

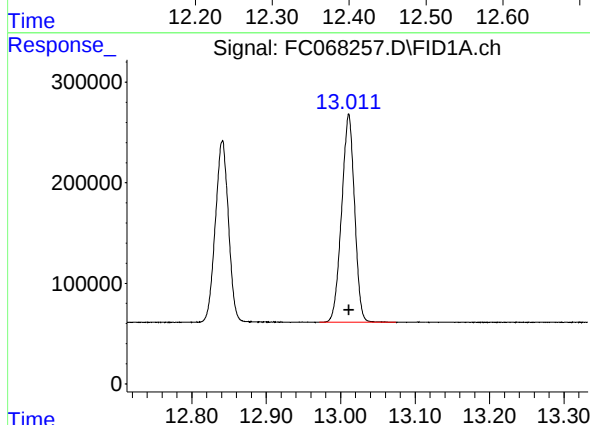
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



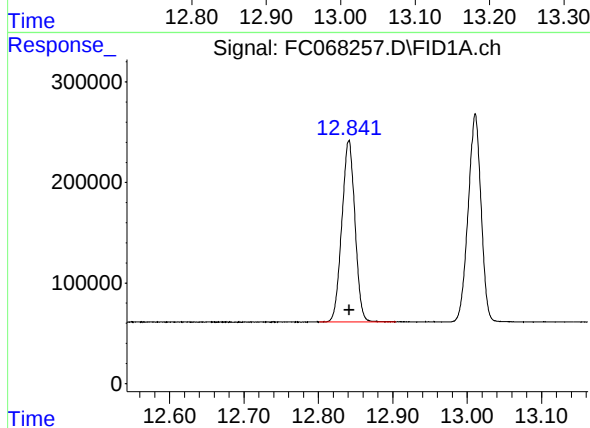
#10 n-Eicosane (C20)

R.T.: 12.401 min
Delta R.T.: 0.000 min
Response: 2547036
Conc: 19.55 ug/ml



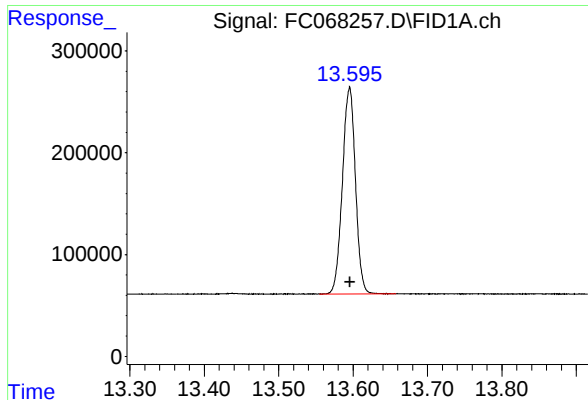
#11 n-Heneicosane (C21)

R.T.: 13.011 min
Delta R.T.: 0.000 min
Response: 2500910
Conc: 19.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.841 min
Delta R.T.: 0.000 min
Response: 2210712
Conc: 19.66 ug/ml



#13 n-Docosane (C22)

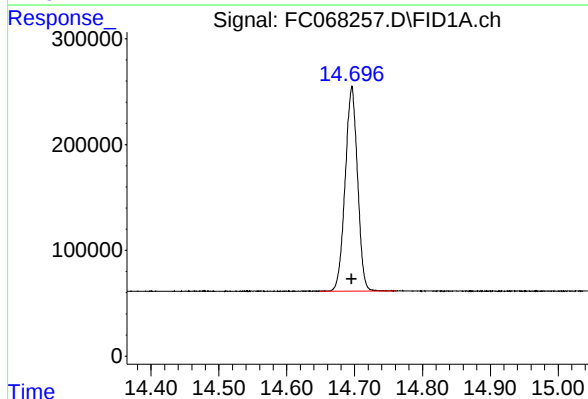
R.T.: 13.595 min
Delta R.T.: 0.000 min
Response: 2472408
Conc: 19.62 ug/ml

Instrument :

FID_C

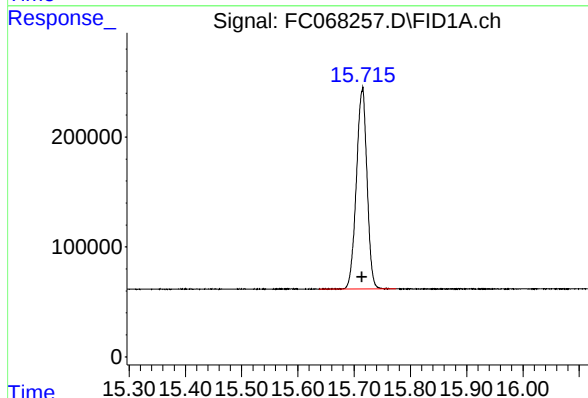
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



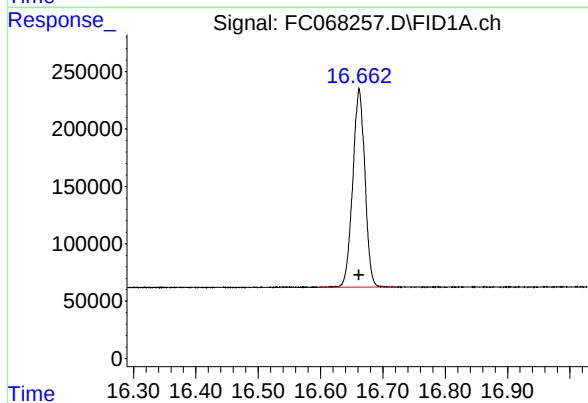
#14 n-Tetracosane (C24)

R.T.: 14.696 min
Delta R.T.: 0.000 min
Response: 2447601
Conc: 19.68 ug/ml



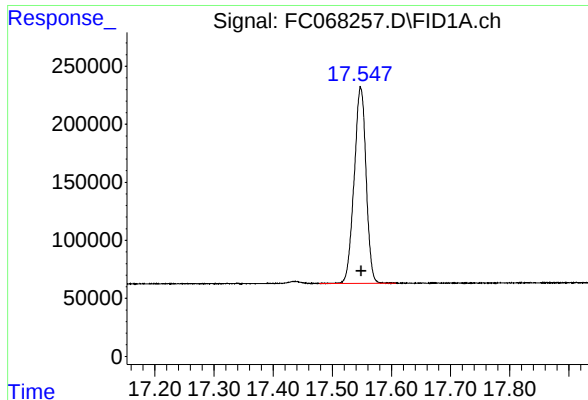
#15 n-Hexacosane (C26)

R.T.: 15.714 min
Delta R.T.: 0.000 min
Response: 2396918
Conc: 19.71 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.662 min
Delta R.T.: 0.000 min
Response: 2352553
Conc: 19.81 ug/ml



#17 n-Tricontane (C30)

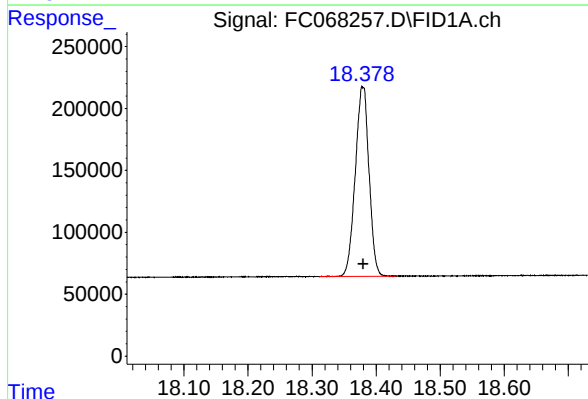
R.T.: 17.548 min
Delta R.T.: -0.001 min
Response: 2368324
Conc: 19.68 ug/ml

Instrument :

FID_C

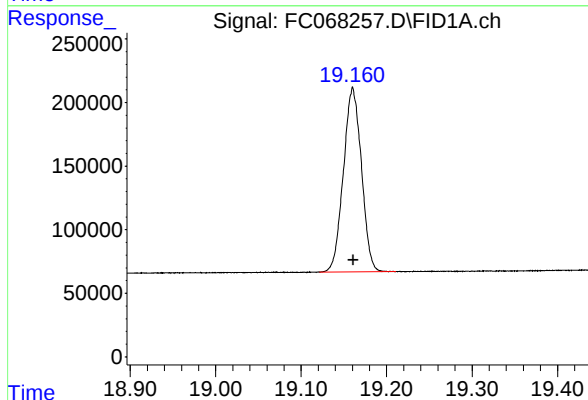
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



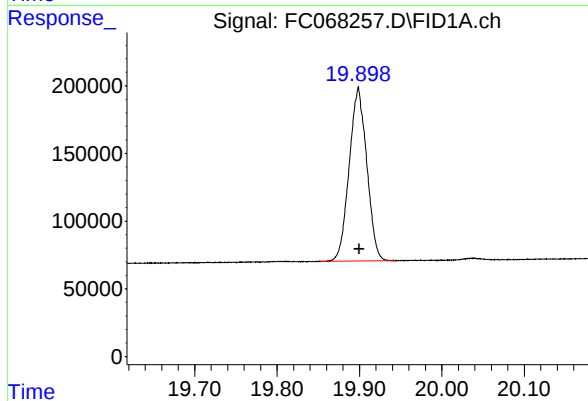
#18 n-Dotriacontane (C32)

R.T.: 18.379 min
Delta R.T.: 0.000 min
Response: 2282342
Conc: 19.66 ug/ml



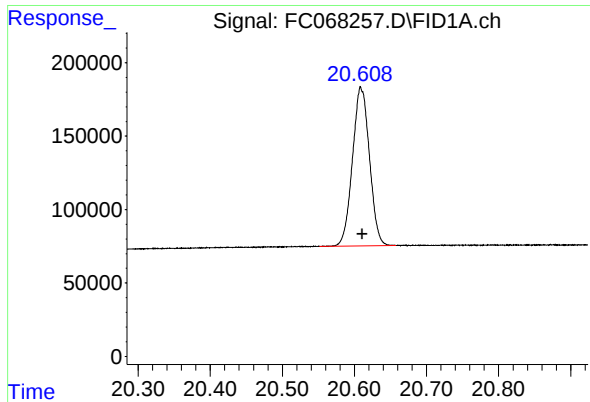
#19 n-Tetatriacontane (C34)

R.T.: 19.160 min
Delta R.T.: 0.000 min
Response: 2121381
Conc: 19.63 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.898 min
Delta R.T.: -0.002 min
Response: 1897153
Conc: 19.73 ug/ml



#21 n-Octatriacontane (C38)

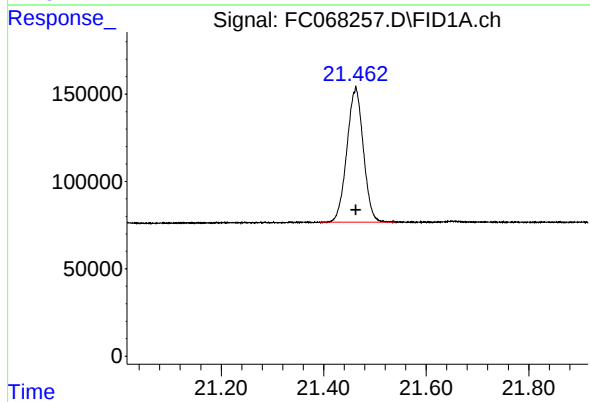
R.T.: 20.609 min
Delta R.T.: -0.002 min
Response: 1768616
Conc: 19.67 ug/ml

Instrument :

FID_C

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.462 min
Delta R.T.: 0.000 min
Response: 1709466
Conc: 19.76 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC021125AL\
 Data File : FC068257.D
 Signal(s) : FID1A.ch
 Acq On : 10 Feb 2025 19:26
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	3.207	3.164	3.268	BB	332094	2763389	91.42%	5.089%
2	4.265	4.231	4.328	BB	306680	2787474	92.22%	5.133%
3	5.832	5.794	5.914	BB	316234	3022645	100.00%	5.566%
4	6.274	6.231	6.338	BB	274740	2762475	91.39%	5.087%
5	6.884	6.848	6.974	BB	297539	2871264	94.99%	5.288%
6	8.061	8.028	8.124	BB	260997	2665240	88.18%	4.908%
7	9.657	9.621	9.721	BB	239943	2676698	88.55%	4.929%
8	11.095	11.054	11.161	BB	222508	2671678	88.39%	4.920%
9	11.399	11.361	11.461	BB	268482	3006153	99.45%	5.536%
10	12.401	12.361	12.461	BB	214041	2547036	84.27%	4.690%
11	12.841	12.801	12.904	BB	180766	2210712	73.14%	4.071%
12	13.011	12.971	13.074	BB	207142	2500910	82.74%	4.606%
13	13.595	13.554	13.658	BB	201306	2472408	81.80%	4.553%
14	14.696	14.648	14.761	BB	189927	2447601	80.98%	4.507%
15	15.714	15.638	15.774	BB	182011	2396918	79.30%	4.414%
16	16.662	16.598	16.721	BB	171008	2352553	77.83%	4.332%
17	17.548	17.478	17.608	BB	168872	2368324	78.35%	4.361%
18	18.379	18.311	18.431	BB	154550	2282342	75.51%	4.203%
19	19.160	19.121	19.211	BB	143746	2121381	70.18%	3.907%
20	19.898	19.851	19.944	BB	125666	1897153	62.76%	3.494%
21	20.609	20.551	20.658	BB	106434	1768616	58.51%	3.257%
22	21.462	21.391	21.541	BB	75880	1709466	56.56%	3.148%
Sum of corrected areas:						54302432		

Aliphatic EPH 021125.M Tue Feb 11 02:40:39 2025

Initial Calibration Report for SequenceID : FD021125AR

AreaCount

Parameter Range	FD049072.D	FD049073.D	FD049074.D	FD049075.D	FD049076.D	
Aromatic C10-C12	30133782.000	15194817.000	6263156.000	3318077.000	1700032.000	
Aromatic C12-C16	44977690.000	22823722.000	9507721.000	5041964.000	2641021.000	
Aromatic C16-C21	58435647.000	29734390.000	12145436.000	6295751.000	3256475.000	
Aromatic C21-C36	121981098.000	62220992.000	25499877.000	13225172.000	6892110.000	
Aromatic EPH	255528217.000	129973921.000	53416190.000	27880964.000	14489638.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	159020.606	5.389				
Aromatic C12-C16	160935.8659994	6.836				
Aromatic C16-C21	153359.3085	4.411				
Aromatic C21-C36	143114.7526664	4.923				
Aromatic EPH	150128.8232216	5.194				

Concentration

Parameter Range	FD049072.D	FD049073.D	FD049074.D	FD049075.D	FD049076.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	FD049072.D	FD049073.D	FD049074.D	FD049075.D	FD049076.D	
Aromatic C10-C12	150668.910000	151948.170000	156578.900000	165903.850000	170003.200000	
Aromatic C12-C16	149925.633333	152158.146666	158462.016666	168065.466666	176068.066666	
Aromatic C16-C21	146089.117500	148671.950000	151817.950000	157393.775000	162823.750000	
Aromatic C21-C36	135534.553333	138268.871111	141665.983333	146946.355555	153158.000000	
Aromatic EPH	141960.120555	144415.467777	148378.305555	154894.244444	160995.977777	

Continuing Calibration Report for SequenceID : FC022825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068321.D

Aliphatic C9-C12	8795568.000	60.000	3.104	6.369	146592.800	141035.502	-3.940
Aliphatic C12-C16	5630378.000	40.000	6.370	9.754	140759.450	136654.515	-3.004
Aliphatic C16-C21	8123361.000	60.000	9.755	13.107	135389.350	131630.895	-2.855
Aliphatic C21-C28	10243894.000	80.000	13.108	16.761	128048.675	122691.322	-4.367
Aliphatic C28-C40	13204528.000	120.000	16.762	21.565	110037.733	102846.462	-6.992
Aliphatic EPH	45997729.000	360.000	3.104	21.565	127771.469	122175.127	-4.581

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	28 Feb 2025 10:23
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068321.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.104	6.369	8795568.000	60.000	ug/ml
Aliphatic C12-C16	6.370	9.754	5630378.000	40.000	ug/ml
Aliphatic C16-C21	9.755	13.107	8123361.000	60.000	ug/ml
Aliphatic C21-C28	13.108	16.761	10243894.000	80.000	ug/ml
Aliphatic C28-C40	16.762	21.565	13204528.000	120.000	ug/ml
Aliphatic EPH	3.104	21.565	45997729.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068321.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 10:23
 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

Integration File: autoint1.e
 Quant Time: Mar 05 05:22:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 05 03:08:52 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)	11.396	3120216	20.335 ug/ml
Spiked Amount 50.000		Recovery =	40.67%
12) S 1-chlorooctadecane (S...	12.838	2266768	20.154 ug/ml
Spiked Amount 50.000		Recovery =	40.31%
Target Compounds			
1) T n-Nonane (C9)	3.204	2921206	20.765 ug/ml
2) T n-Decane (C10)	4.261	2957953	20.879 ug/ml
3) T A~Naphthalene (C11.7)	5.828	3188598	20.836 ug/ml
4) T n-Dodecane (C12)	6.269	2916409	20.719 ug/ml
5) T A~2-methylnaphthalene...	6.880	2996735	20.692 ug/ml
6) T n-Tetradecane (C14)	8.058	2804182	20.567 ug/ml
7) T n-Hexadecane (C16)	9.654	2826196	20.634 ug/ml
8) T n-Octadecane (C18)	11.092	2816962	20.598 ug/ml
10) T n-Eicosane (C20)	12.398	2680291	20.572 ug/ml
11) T n-Heneicosane (C21)	13.007	2626108	20.541 ug/ml
13) T n-Docosane (C22)	13.593	2593669	20.580 ug/ml
14) T n-Tetracosane (C24)	14.694	2570552	20.667 ug/ml
15) T n-Hexacosane (C26)	15.712	2540397	20.893 ug/ml
16) T n-Octacosane (C28)	16.661	2517151	21.194 ug/ml
17) T n-Tricontane (C30)	17.547	2631751	21.865 ug/ml
18) T n-Dotriacontane (C32)	18.379	2592060	22.332 ug/ml
19) T n-Tetratriacontane (C34)	19.161	2321702	21.486 ug/ml
20) T n-Hexatriacontane (C36)	19.900	2007468	20.874 ug/ml
21) T n-Octatriacontane (C38)	20.612	1863761	20.732 ug/ml
22) T n-Tetracontane (C40)	21.465	1728277	19.975 ug/ml

(f)=RT Delta > 1/2 Window

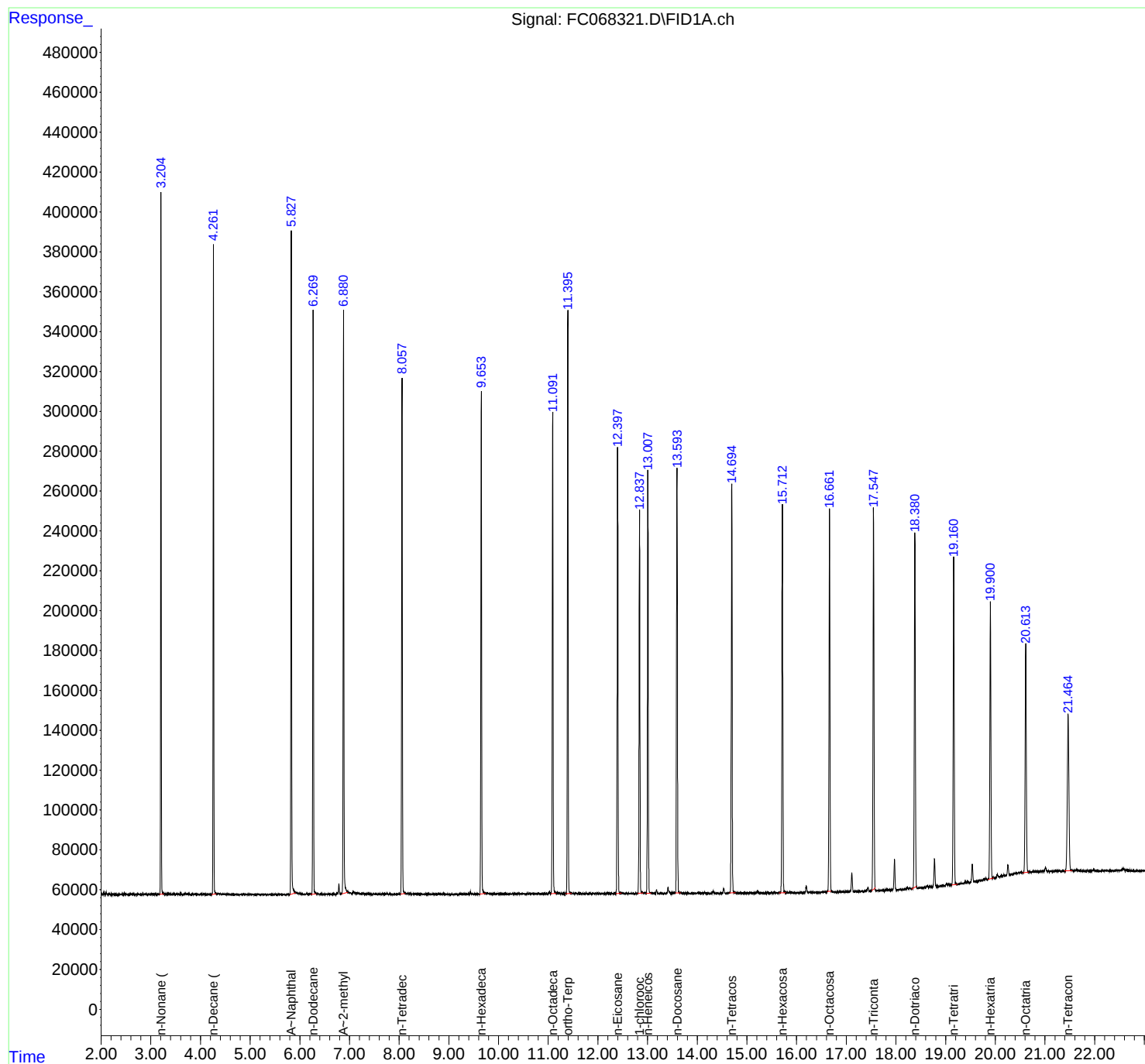
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068321.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 10:23
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

Integration File: autoint1.e
Quant Time: Mar 05 05:22:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068321.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 10:23
 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 021125.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	3.204	3.171	3.264	BB	351210	2921206	91.61%	5.074%
2	4.261	4.228	4.321	BB	325775	2957953	92.77%	5.138%
3	5.828	5.798	5.914	BB	332892	3188598	100.00%	5.539%
4	6.269	6.218	6.331	BB	291281	2916409	91.46%	5.066%
5	6.880	6.848	6.971	BB	293726	2996735	93.98%	5.205%
6	8.058	8.028	8.124	BB	257597	2804182	87.94%	4.871%
7	9.654	9.618	9.738	BB	252849	2826196	88.63%	4.909%
8	11.092	11.051	11.164	BB	242049	2816962	88.34%	4.893%
9	11.396	11.351	11.468	BB	291476	3120216	97.86%	5.420%
10	12.398	12.361	12.471	BB	221408	2680291	84.06%	4.656%
11	12.838	12.801	12.911	BB	192148	2266768	71.09%	3.937%
12	13.007	12.964	13.074	BB	211956	2626108	82.36%	4.562%
13	13.593	13.558	13.664	BB	210666	2593669	81.34%	4.505%
14	14.694	14.651	14.768	BB	204322	2570552	80.62%	4.465%
15	15.712	15.644	15.784	BB	193358	2540397	79.67%	4.413%
16	16.661	16.598	16.728	BB	189931	2539276	79.64%	4.411%
17	17.547	17.494	17.614	BB	189694	2663953	83.55%	4.627%
18	18.379	18.328	18.438	BB	177380	2619367	82.15%	4.550%
19	19.161	19.121	19.234	BB	164155	2321702	72.81%	4.033%
20	19.900	19.851	19.969	BBA	139223	2007468	62.96%	3.487%
21	20.612	20.551	20.668	BB	113739	1863761	58.45%	3.237%
22	21.465	21.391	21.551	BB	78566	1728277	54.20%	3.002%
Sum of corrected areas:							57570045	

Aliphatic EPH 021125.M Sat Mar 01 01:22:27 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068321.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 10:23
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 LabSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Mar 05 05:22:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 05 03:08:52 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 T	n-Nonane (C9)	140.677	146.060 E3	-3.8	103	0.00
2 T	n-Decane (C10)	141.671	147.898 E3	-4.4	104	0.00
3 T	A~Naphthalene (C11.7)	153.034	159.430 E3	-4.2	103	0.00
4 T	n-Dodecane (C12)	140.758	145.820 E3	-3.6	103	0.00
5 T	A~2-methylnaphthalene (C12.	144.828	149.837 E3	-3.5	102	0.00
6 T	n-Tetradecane (C14)	136.344	140.209 E3	-2.8	103	0.00
7 T	n-Hexadecane (C16)	136.965	141.310 E3	-3.2	103	0.00
8 T	n-Octadecane (C18)	136.758	140.848 E3	-3.0	103	0.00
9 S	ortho-Terphenyl (SURR)	153.444	156.011 E3	-1.7	102	0.00
10 T	n-Eicosane (C20)	130.287	134.015 E3	-2.9	103	0.00
11 T	n-Heneicosane (C21)	127.847	131.305 E3	-2.7	103	0.00
12 S	1-chlorooctadecane (SURR)	112.474	113.338 E3	-0.8	100	0.00
13 T	n-Docosane (C22)	126.028	129.683 E3	-2.9	103	0.00
14 T	n-Tetracosane (C24)	124.377	128.528 E3	-3.3	103	0.00
15 T	n-Hexacosane (C26)	121.593	127.020 E3	-4.5	104	0.00
16 T	n-Octacosane (C28)	118.767	125.858 E3	-6.0	106	0.00
17 T	n-Tricontane (C30)	120.366	131.588 E3	-9.3	110	0.00
18 T	n-Dotriacontane (C32)	116.067	129.603 E3	-11.7	112	0.00
19 T	n-Tetratriacontane (C34)	108.059	116.085 E3	-7.4	108	0.00
20 T	n-Hexatriacontane (C36)	96.169	100.373 E3	-4.4	104	0.00
21 T	n-Octatriacontane (C38)	89.898	93.188 E3	-3.7	103	0.00
22 T	n-Tetracontane (C40)	86.520	86.414 E3	0.1	100	0.00

Evaluate Continuing Calibration Report - Not Found

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Continuing Calibration Report for SequenceID : FC022825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068331.D

Aliphatic C9-C12	8595776.000	60.000	3.104	6.369	143262.933	141035.502	-1.579
Aliphatic C12-C16	5515542.000	40.000	6.370	9.754	137888.550	136654.515	-0.903
Aliphatic C16-C21	7931958.000	60.000	9.755	13.107	132199.300	131630.895	-0.432
Aliphatic C21-C28	9960510.000	80.000	13.108	16.761	124506.375	122691.322	-1.479
Aliphatic C28-C40	13030922.000	120.000	16.762	21.565	108591.017	102846.462	-5.586
Aliphatic EPH	45034708.000	360.000	3.104	21.565	125096.411	122175.127	-2.391

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	28 Feb 2025 16:30
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068331.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.104	6.369	8595776.000	60.000	ug/ml
Aliphatic C12-C16	6.370	9.754	5515542.000	40.000	ug/ml
Aliphatic C16-C21	9.755	13.107	7931958.000	60.000	ug/ml
Aliphatic C21-C28	13.108	16.761	9960510.000	80.000	ug/ml
Aliphatic C28-C40	16.762	21.565	13030922.000	120.000	ug/ml
Aliphatic EPH	3.104	21.565	45034708.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068331.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 16:30
 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

Integration File: autoint1.e
 Quant Time: Mar 05 05:24:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 05 03:08:52 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)	11.396	3041324	19.820 ug/ml
Spiked Amount 50.000		Recovery =	39.64%
12) S 1-chlorooctadecane (S...	12.838	2216283	19.705 ug/ml
Spiked Amount 50.000		Recovery =	39.41%
Target Compounds			
1) T n-Nonane (C9)	3.204	2855933	20.301 ug/ml
2) T n-Decane (C10)	4.261	2888976	20.392 ug/ml
3) T A~Naphthalene (C11.7)	5.827	3101671	20.268 ug/ml
4) T n-Dodecane (C12)	6.269	2850867	20.254 ug/ml
5) T A~2-methylnaphthalene...	6.879	2932380	20.247 ug/ml
6) T n-Tetradecane (C14)	8.057	2744536	20.130 ug/ml
7) T n-Hexadecane (C16)	9.653	2771006	20.231 ug/ml
8) T n-Octadecane (C18)	11.091	2755090	20.146 ug/ml
10) T n-Eicosane (C20)	12.397	2614343	20.066 ug/ml
11) T n-Heneicosane (C21)	13.008	2562525	20.044 ug/ml
13) T n-Docosane (C22)	13.592	2525576	20.040 ug/ml
14) T n-Tetracosane (C24)	14.693	2501354	20.111 ug/ml
15) T n-Hexacosane (C26)	15.713	2460872	20.239 ug/ml
16) T n-Octacosane (C28)	16.661	2447431	20.607 ug/ml
17) T n-Tricontane (C30)	17.548	2580185	21.436 ug/ml
18) T n-Dotriacontane (C32)	18.378	2550561	21.975 ug/ml
19) T n-Tetratriacontane (C34)	19.161	2278466	21.085 ug/ml
20) T n-Hexatriacontane (C36)	19.900	1969700	20.482 ug/ml
21) T n-Octatriacontane (C38)	20.612	1843490	20.507 ug/ml
22) T n-Tetracontane (C40)	21.464	1749009	20.215 ug/ml

(f)=RT Delta > 1/2 Window

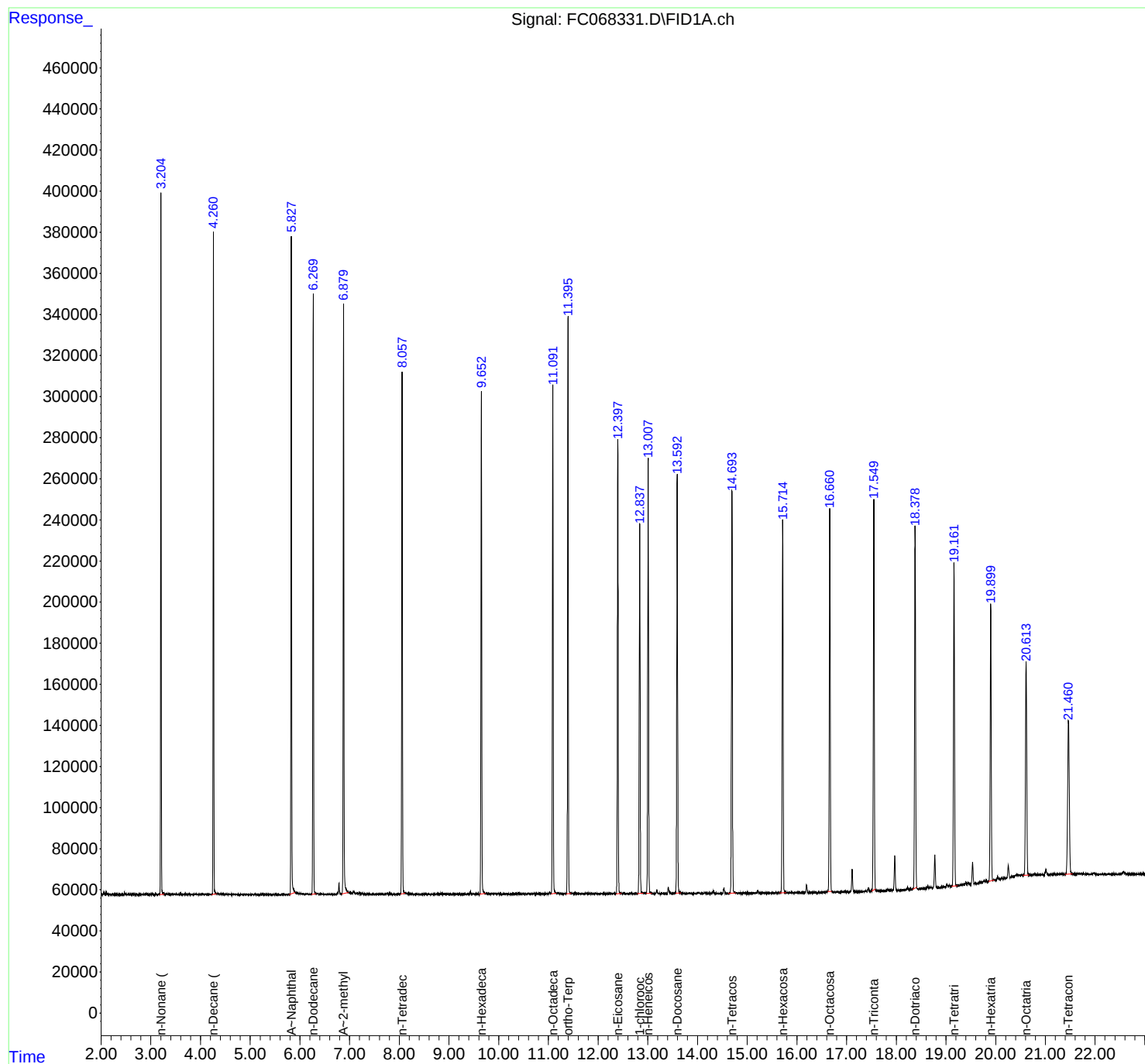
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068331.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 16:30
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

Integration File: autoint1.e
Quant Time: Mar 05 05:24:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068331.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 16:30
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 021125.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	3.204	3.171	3.271	BB	340781	2855933	92.08%	5.069%
2	4.261	4.231	4.325	BB	321681	2888976	93.14%	5.127%
3	5.827	5.781	5.908	BB	319702	3101671	100.00%	5.505%
4	6.269	6.238	6.331	BB	288188	2850867	91.91%	5.060%
5	6.879	6.848	6.978	BB	284524	2932380	94.54%	5.204%
6	8.057	8.028	8.121	BB	254939	2744536	88.49%	4.871%
7	9.653	9.618	9.738	BB	242755	2771006	89.34%	4.918%
8	11.091	11.055	11.158	BB	246136	2755090	88.83%	4.890%
9	11.396	11.351	11.455	BB	281274	3041324	98.05%	5.398%
10	12.397	12.355	12.468	BB	221154	2614343	84.29%	4.640%
11	12.838	12.785	12.908	BB	180054	2216283	71.45%	3.934%
12	13.008	12.971	13.078	BB	210871	2562525	82.62%	4.548%
13	13.592	13.558	13.661	BB	202870	2525576	81.43%	4.482%
14	14.693	14.625	14.765	BB	195873	2501354	80.65%	4.439%
15	15.713	15.651	15.778	BB	183325	2460872	79.34%	4.368%
16	16.661	16.598	16.731	BB	184728	2472708	79.72%	4.389%
17	17.548	17.478	17.615	BB	190067	2607807	84.08%	4.628%
18	18.378	18.198	18.445	BB	175351	2599704	83.82%	4.614%
19	19.161	19.121	19.231	BB	156515	2278466	73.46%	4.044%
20	19.900	19.851	19.970	BBA	134773	1969700	63.50%	3.496%
21	20.612	20.551	20.678	BB	103519	1843490	59.44%	3.272%
22	21.464	21.391	21.548	BB	74225	1749009	56.39%	3.104%
Sum of corrected areas:							56343617	

Aliphatic EPH 021125.M Sat Mar 01 01:24:21 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068331.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 16:30
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 LabSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Mar 05 05:24:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 05 03:08:52 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 T	n-Nonane (C9)	140.677	142.797 E3	-1.5	101	0.00
2 T	n-Decane (C10)	141.671	144.449 E3	-2.0	101	0.00
3 T	A~Naphthalene (C11.7)	153.034	155.084 E3	-1.3	100	0.00
4 T	n-Dodecane (C12)	140.758	142.543 E3	-1.3	101	0.00
5 T	A~2-methylnaphthalene (C12.	144.828	146.619 E3	-1.2	100	0.00
6 T	n-Tetradecane (C14)	136.344	137.227 E3	-0.6	101	0.00
7 T	n-Hexadecane (C16)	136.965	138.550 E3	-1.2	101	0.00
8 T	n-Octadecane (C18)	136.758	137.754 E3	-0.7	101	0.00
9 S	ortho-Terphenyl (SURR)	153.444	152.066 E3	0.9	99	0.00
10 T	n-Eicosane (C20)	130.287	130.717 E3	-0.3	100	0.00
11 T	n-Heneicosane (C21)	127.847	128.126 E3	-0.2	100	0.00
12 S	1-chlorooctadecane (SURR)	112.474	110.814 E3	1.5	98	0.00
13 T	n-Docosane (C22)	126.028	126.279 E3	-0.2	100	0.00
14 T	n-Tetracosane (C24)	124.377	125.068 E3	-0.6	100	0.00
15 T	n-Hexacosane (C26)	121.593	123.044 E3	-1.2	101	0.00
16 T	n-Octacosane (C28)	118.767	122.372 E3	-3.0	103	0.00
17 T	n-Tricontane (C30)	120.366	129.009 E3	-7.2	108	0.00
18 T	n-Dotriacontane (C32)	116.067	127.528 E3	-9.9	110	0.00
19 T	n-Tetratriacontane (C34)	108.059	113.923 E3	-5.4	106	0.00
20 T	n-Hexatriacontane (C36)	96.169	98.485 E3	-2.4	103	0.00
21 T	n-Octatriacontane (C38)	89.898	92.174 E3	-2.5	102	0.00
22 T	n-Tetracontane (C40)	86.520	87.450 E3	-1.1	101	0.00

Evaluate Continuing Calibration Report - Not Found

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Continuing Calibration Report for SequenceID : FC022825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068341.D

Aliphatic C9-C12	8509686.000	60.000	3.104	6.369	141828.100	141035.502	-0.562
Aliphatic C12-C16	5481187.000	40.000	6.370	9.754	137029.675	136654.515	-0.275
Aliphatic C16-C21	7916038.000	60.000	9.755	13.107	131933.967	131630.895	-0.230
Aliphatic C21-C28	9928727.000	80.000	13.108	16.761	124109.088	122691.322	-1.156
Aliphatic C28-C40	13203681.000	120.000	16.762	21.565	110030.675	102846.462	-6.985
Aliphatic EPH	45039319.000	360.000	3.104	21.565	125109.219	122175.127	-2.402

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	28 Feb 2025 23:50
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068341.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.104	6.369	8509686.000	60.000	ug/ml
Aliphatic C12-C16	6.370	9.754	5481187.000	40.000	ug/ml
Aliphatic C16-C21	9.755	13.107	7916038.000	60.000	ug/ml
Aliphatic C21-C28	13.108	16.761	9928727.000	80.000	ug/ml
Aliphatic C28-C40	16.762	21.565	13203681.000	120.000	ug/ml
Aliphatic EPH	3.104	21.565	45039319.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068341.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 23:50
 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

Integration File: autoint1.e
 Quant Time: Mar 05 05:26:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 05 03:08:52 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)	11.395	3019061	19.675 ug/ml
Spiked Amount 50.000		Recovery =	39.35%
12) S 1-chlorooctadecane (S...	12.838	2213113	19.677 ug/ml
Spiked Amount 50.000		Recovery =	39.35%
Target Compounds			
1) T n-Nonane (C9)	3.204	2821805	20.059 ug/ml
2) T n-Decane (C10)	4.261	2860924	20.194 ug/ml
3) T A~Naphthalene (C11.7)	5.827	3080505	20.130 ug/ml
4) T n-Dodecane (C12)	6.268	2826957	20.084 ug/ml
5) T A~2-methylnaphthalene...	6.879	2905424	20.061 ug/ml
6) T n-Tetradecane (C14)	8.057	2729025	20.016 ug/ml
7) T n-Hexadecane (C16)	9.652	2752162	20.094 ug/ml
8) T n-Octadecane (C18)	11.091	2750082	20.109 ug/ml
10) T n-Eicosane (C20)	12.397	2613618	20.061 ug/ml
11) T n-Heneicosane (C21)	13.008	2552338	19.964 ug/ml
13) T n-Docosane (C22)	13.592	2514482	19.952 ug/ml
14) T n-Tetracosane (C24)	14.694	2489195	20.013 ug/ml
15) T n-Hexacosane (C26)	15.712	2451970	20.165 ug/ml
16) T n-Octacosane (C28)	16.661	2449009	20.620 ug/ml
17) T n-Tricontane (C30)	17.548	2590876	21.525 ug/ml
18) T n-Dotriacontane (C32)	18.379	2561161	22.066 ug/ml
19) T n-Tetratriacontane (C34)	19.162	2275964	21.062 ug/ml
20) T n-Hexatriacontane (C36)	19.901	1942697	20.201 ug/ml
21) T n-Octatriacontane (C38)	20.612	1869920	20.801 ug/ml
22) T n-Tetracontane (C40)	21.464	1933632	22.349 ug/ml

(f)=RT Delta > 1/2 Window

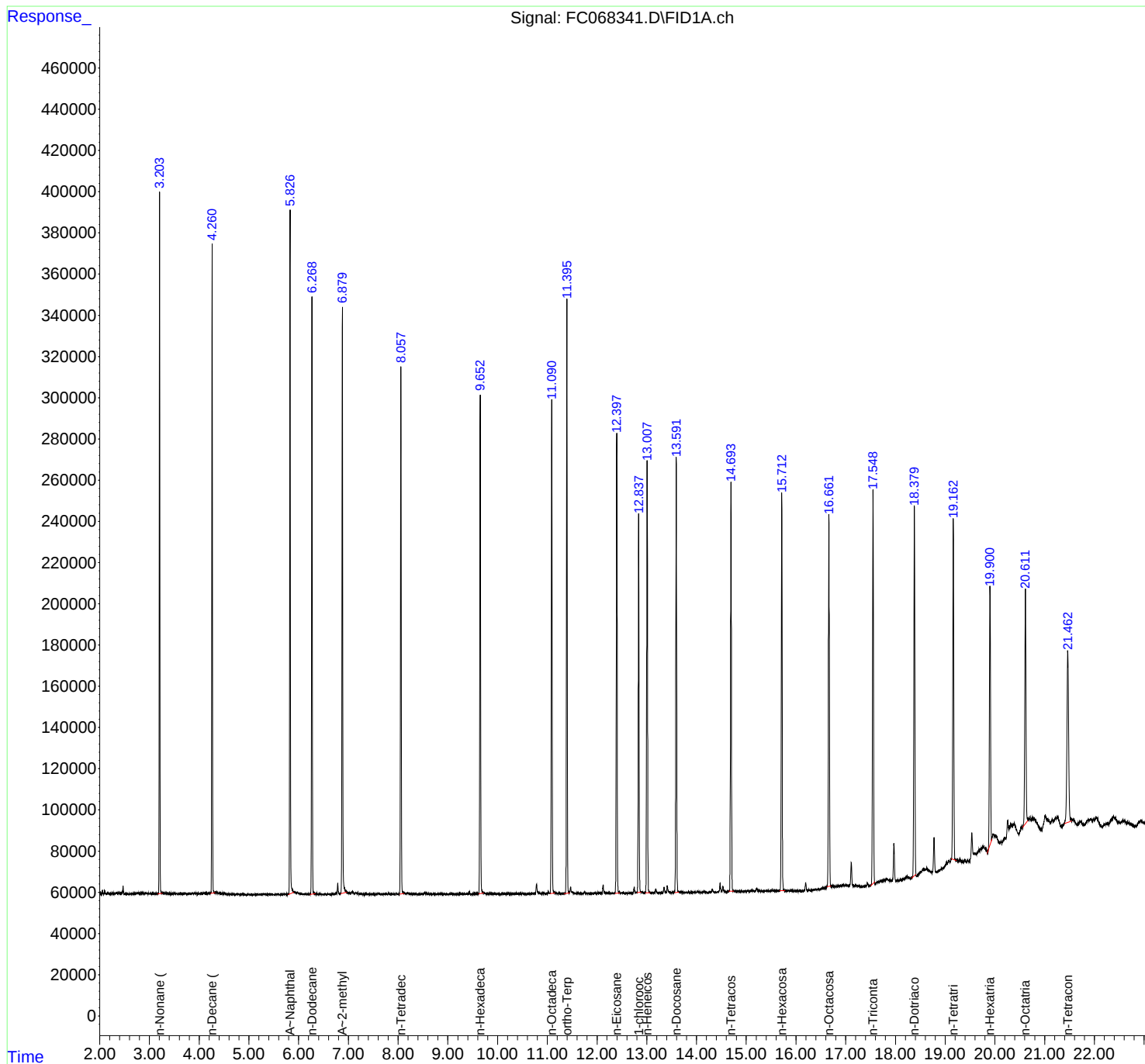
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068341.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 23:50
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

Integration File: autoint1.e
Quant Time: Mar 05 05:26:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068341.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 23:50
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 021125.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	3.204	3.161	3.261	BB	338058	2821805	91.60%	5.016%
2	4.261	4.225	4.318	BB	314575	2860924	92.87%	5.085%
3	5.827	5.798	5.908	BB	328122	3080505	100.00%	5.476%
4	6.268	6.235	6.331	BB	288254	2826957	91.77%	5.025%
5	6.879	6.848	6.968	BB	283364	2905424	94.32%	5.165%
6	8.057	8.028	8.125	BB	256157	2729025	88.59%	4.851%
7	9.652	9.618	9.718	BB	241605	2752162	89.34%	4.892%
8	11.091	11.051	11.155	BB	240300	2750082	89.27%	4.888%
9	11.395	11.338	11.448	BV	285697	3019061	98.01%	5.367%
10	12.397	12.358	12.461	BB	223409	2613618	84.84%	4.646%
11	12.838	12.801	12.885	BB	183559	2213113	71.84%	3.934%
12	13.008	12.971	13.071	BB	210182	2552338	82.85%	4.537%
13	13.592	13.558	13.645	BB	211199	2514482	81.63%	4.470%
14	14.694	14.655	14.755	BB	196198	2489195	80.80%	4.425%
15	15.712	15.665	15.778	BB	190792	2451970	79.60%	4.358%
16	16.661	16.598	16.725	BB	181305	2473080	80.28%	4.396%
17	17.548	17.468	17.591	BB	189878	2604736	84.56%	4.630%
18	18.379	18.298	18.428	BV	178580	2576732	83.65%	4.580%
19	19.162	19.121	19.228	BB	164314	2275964	73.88%	4.046%
20	19.901	19.851	19.933	BV	124554	1942697	63.06%	3.453%
21	20.612	20.551	20.662	BV	113774	1869920	60.70%	3.324%
22	21.464	21.391	21.548	BV	82303	1933632	62.77%	3.437%
Sum of corrected areas:							56257421	

Aliphatic EPH 021125.M Sat Mar 01 01:25:09 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068341.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 23:50
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 LabSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Mar 05 05:26:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 05 03:08:52 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 T n-Nonane (C9)	140.677	141.090 E3	-0.3	100	0.00
2 T n-Decane (C10)	141.671	143.046 E3	-1.0	100	0.00
3 T A~Naphthalene (C11.7)	153.034	154.025 E3	-0.6	100	0.00
4 T n-Dodecane (C12)	140.758	141.348 E3	-0.4	100	0.00
5 T A~2-methylnaphthalene (C12.	144.828	145.271 E3	-0.3	99	0.00
6 T n-Tetradecane (C14)	136.344	136.451 E3	-0.1	100	0.00
7 T n-Hexadecane (C16)	136.965	137.608 E3	-0.5	100	0.00
8 T n-Octadecane (C18)	136.758	137.504 E3	-0.5	100	0.00
9 S ortho-Terphenyl (SURR)	153.444	150.953 E3	1.6	98	0.00
10 T n-Eicosane (C20)	130.287	130.681 E3	-0.3	100	0.00
11 T n-Heneicosane (C21)	127.847	127.617 E3	0.2	100	0.00
12 S 1-chlorooctadecane (SURR)	112.474	110.656 E3	1.6	98	0.00
13 T n-Docosane (C22)	126.028	125.724 E3	0.2	100	0.00
14 T n-Tetracosane (C24)	124.377	124.460 E3	-0.1	100	0.00
15 T n-Hexacosane (C26)	121.593	122.598 E3	-0.8	101	0.00
16 T n-Octacosane (C28)	118.767	122.450 E3	-3.1	103	0.00
17 T n-Tricontane (C30)	120.366	129.544 E3	-7.6	108	0.00
18 T n-Dotriacontane (C32)	116.067	128.058 E3	-10.3	111	0.00
19 T n-Tetratriacontane (C34)	108.059	113.798 E3	-5.3	106	0.00
20 T n-Hexatriacontane (C36)	96.169	97.135 E3	-1.0	101	0.00
21 T n-Octatriacontane (C38)	89.898	93.496 E3	-4.0	104	0.00
22 T n-Tetracontane (C40)	86.520	96.682 E3	-11.7	112	0.00

Evaluate Continuing Calibration Report - Not Found

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Continuing Calibration Report for SequenceID : FD022825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049129.D

Aromatic C10-C12	6160252.000	40.000	4.076	5.794	154006.300	159020.606	3.153
Aromatic C12-C16	9402232.000	60.000	5.795	8.396	156703.867	160935.866	2.630
Aromatic C16-C21	11641914.000	80.000	8.397	12.661	145523.925	153359.309	5.109
Aromatic C21-C36	23657575.000	180.000	12.662	18.073	131430.972	143114.753	8.164
Aromatic EPH	50861973.000	360.000	4.076	18.073	141283.258	150128.823	5.892

Lab Sample ID:	20 PPM AROMATIC HC :	Acq On:	28 Feb 2025 10:23
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049129.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.076	5.794	6160252.000	40.000	ug/ml
Aromatic C12-C16	5.795	8.396	9402232.000	60.000	ug/ml
Aromatic C16-C21	8.397	12.661	11641914.000	80.000	ug/ml
Aromatic C21-C36	12.662	18.073	23657575.000	180.000	ug/ml
Aromatic EPH	4.076	18.073	50861973.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049129.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 10:23
 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/03/2025
 Supervised By :Ankita Jodhani 03/04/2025

Integration File: autoint1.e
 Quant Time: Mar 01 02:16:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.353	2766220	19.329 ug/ml
Spiked Amount 50.000		Recovery =	38.66%
6) S 2-Fluorobiphenyl (SURR)	8.205	1579167	17.963 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	35.93%
11) S ortho-Terphenyl (SURR)	11.233	3098268	19.152 ug/ml
Spiked Amount 50.000		Recovery =	38.30%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.176	3087214	19.386 ug/ml
2) T Naphthalene (C11.7)	5.694	3073038	19.353 ug/ml
3) T 2-Methylnaphthalene (...)	6.740	3030795	19.466 ug/ml
5) T Acenaphthylene (C15.06)	8.004	3126284	19.226 ug/ml
7) T Acenaphthene (C15.5)	8.296	3245153	19.726 ug/ml
8) T Fluorene (C16.55)	9.078	3004154	19.056 ug/ml
9) T Phenanthrene (C19.36)	10.464	2861190	18.986 ug/ml
10) T Anthracene (C19.43)	10.542	2864021	18.963 ug/ml
12) T Fluoranthene (C21.85)	12.269	2912936	18.877 ug/ml
13) T Pyrene (C20.8)	12.561	2912549	18.905 ug/ml
14) T Benzo[a]anthracene (C...	14.431	2400791	18.272 ug/ml
15) T Chrysene (C27.41)	14.472	3110275	19.236 ug/ml
16) T benzo[b]fluoranthene ...	15.978	2577213	18.731 ug/ml
17) T Bnezo[k]fluoranthene ...	16.010	3069763	19.436 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.362	2597623	19.137 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.729	1756887	16.077 ug/mlm
20) T Dibenz[a,h]anthracene...	17.776	2586904	16.675 ug/ml
21) T Benzo[g,h,i]perylene ...	17.973	2645183	18.249 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049129.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 10:23
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 52 Sample Multiplier: 1

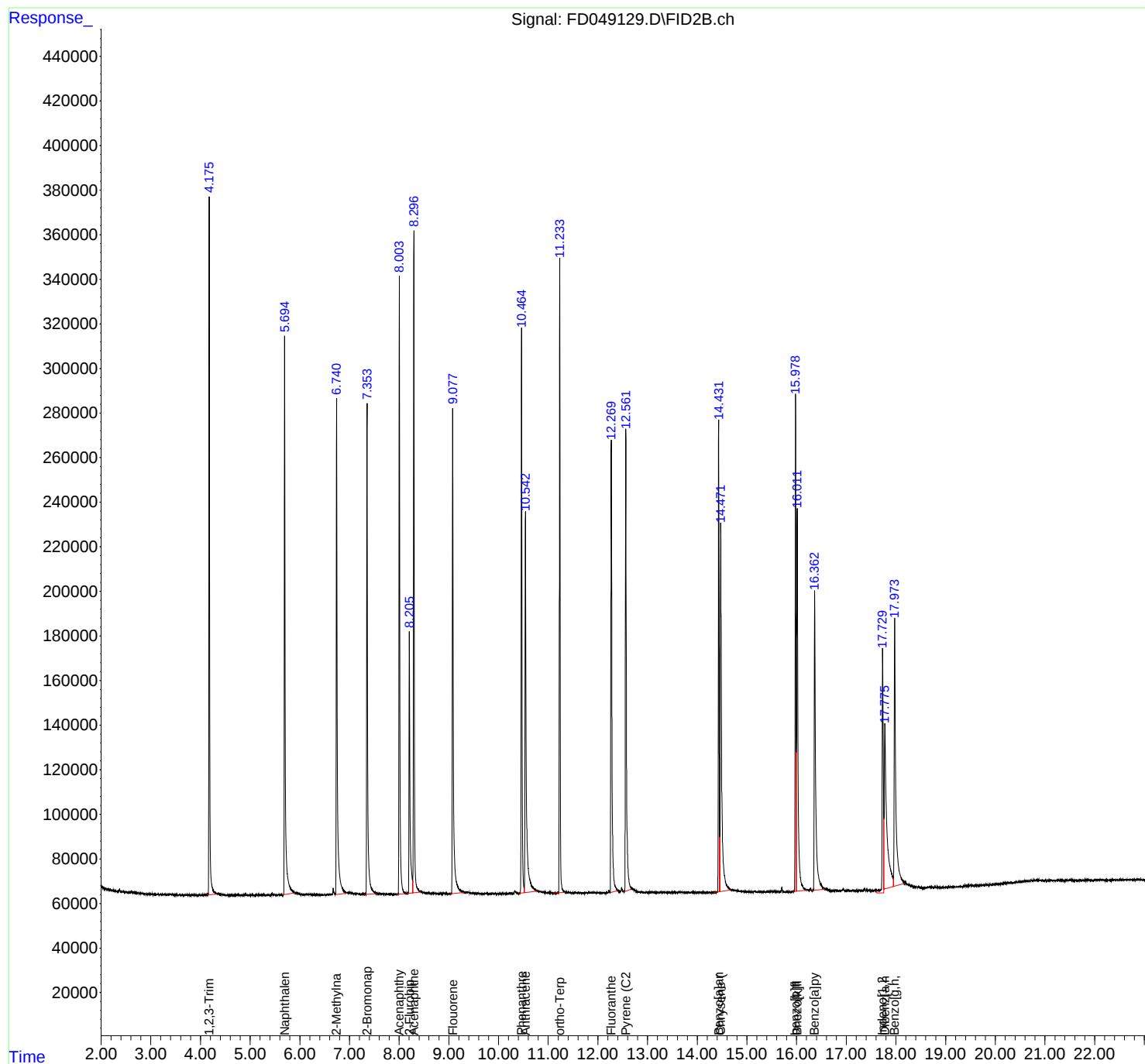
Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/03/2025
Supervised By :Ankita Jodhani 03/04/2025

Integration File: autoint1.e
Quant Time: Mar 01 02:16:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :
FID_D
LabSampleId :
20 PPM AROMATIC HC STD
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/03/2025
Supervised By :Ankita Jodhani 03/04/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD02282
Data File : FD049129.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 10:23
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 021125.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	4.176	4.130	4.334	BB	312663	3087214	95.13%	5.304%
2	5.694	5.642	5.899	BB	250529	3073038	94.70%	5.280%
3	6.740	6.714	6.949	PB	222312	3030795	93.39%	5.208%
4	7.353	7.300	7.542	BB	219818	2766220	85.24%	4.753%
5	8.004	7.960	8.144	BB	277198	3126284	96.34%	5.372%
6	8.205	8.160	8.273	BV	117209	1579167	48.66%	2.713%
7	8.296	8.273	8.442	VB	296676	3245153	100.00%	5.576%
8	9.078	9.020	9.302	BB	216484	3004154	92.57%	5.162%
9	10.464	10.402	10.520	BV	254175	2861190	88.17%	4.916%
10	10.542	10.520	10.780	VB	170899	2864021	88.26%	4.921%
11	11.233	11.097	11.340	BB	284580	3098268	95.47%	5.323%
12	12.269	12.245	12.395	PV	202620	2912936	89.76%	5.005%
13	12.561	12.520	12.679	BV	206714	2912549	89.75%	5.004%
14	14.431	14.337	14.452	BV	210851	2400791	73.98%	4.125%
15	14.472	14.452	14.689	VB	164479	3110275	95.84%	5.344%
16	15.978	15.930	15.994	BV	222862	2577213	79.42%	4.428%
17	16.010	15.994	16.212	VB	171182	3069763	94.60%	5.275%
18	16.362	16.305	16.574	BB	134262	2597623	80.05%	4.463%
19	17.730	17.690	17.757	BV	107493	1651182	50.88%	2.837%
20	17.776	17.757	17.947	VV	74288	2586904	79.72%	4.445%
21	17.973	17.947	18.180	VV	120236	2645183	81.51%	4.545%
Sum of corrected areas:						58199919		

Aromatic EPH 021125.M Sat Mar 01 03:51:00 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049129.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 10:23
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 LabSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: Mar 01 02:16:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound		AvgRF	CCRF		%Dev	Area%	Dev(Min)
1 T	1,2,3-Trimethylbenzene (C10	159.254	154.361	E3	3.1	99	0.00	
2 T	Naphthalene (C11.7)	158.788	153.652	E3	3.2	98	0.00	
3 T	2-Methylnaphthalene (C12.89	155.693	151.540	E3	2.7	98	0.00	
4 S	2-Bromonaphthalene (SURR)	143.109	138.311	E3	3.4	98	0.00	
5 T	Acenaphthylene (C15.06)	162.606	156.314	E3	3.9	98	0.00	
6 S	2-Fluorobiphenyl (SURR)	87.912	78.958	E3	10.2	89	0.00	
7 T	Acenaphthene (C15.5)	164.509	162.258	E3	1.4	101	0.00	
8 T	Flouorene (C16.55)	157.649	150.208	E3	4.7	96	0.00	
9 T	Phenanthrene (C19.36)	150.701	143.059	E3	5.1	96	0.00	
10 T	Anthracene (C19.43)	151.028	143.201	E3	5.2	95	0.00	
11 S	ortho-Terphenyl (SURR)	161.774	154.913	E3	4.2	97	0.00	
12 T	Fluoranthene (C21.85)	154.315	145.647	E3	5.6	95	0.00	
13 T	Pyrene (C20.8)	154.058	145.627	E3	5.5	97	0.00	
14 T	Benzo[a]anthracene (C26.37)	131.390	120.040	E3	8.6	89	0.00	
15 T	Chrysene (C27.41)	161.687	155.514	E3	3.8	100	0.00	
16 T	benzo[b]fluoranthene (C30.4	137.594	128.861	E3	6.3	92	0.00	
17 T	Bnezo[k]fluoranthene (C30.1	157.942	153.488	E3	2.8	101	0.00	
18 T	Benzo[a]pyrene (C31.34)	135.737	129.881	E3	4.3	97	0.00	
19 T	Indeno[1,2,3-cd]pyrene (C35	109.277	87.844	E3	19.6	82	0.01	
20 T	Dibenz[a,h]anthracene (C30.	155.140	129.345	E3	16.6	83	0.02	
21 T	Benzo[g,h,i]perylene (C34.0	144.951	132.259	E3	8.8	93	0.00	

Evaluate Continuing Calibration Report - Not Found

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Continuing Calibration Report for SequenceID : FD022825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049139.D

Aromatic C10-C12	6813477.000	40.000	4.076	5.794	170336.925	159020.606	-7.116
Aromatic C12-C16	10472510.000	60.000	5.795	8.396	174541.833	160935.866	-8.454
Aromatic C16-C21	13024891.000	80.000	8.397	12.661	162811.138	153359.309	-6.163
Aromatic C21-C36	26617558.000	180.000	12.662	18.073	147875.322	143114.753	-3.326
Aromatic EPH	56928436.000	360.000	4.076	18.073	158134.544	150128.823	-5.333

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	28 Feb 2025 16:30
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049139.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.076	5.794	6813477.000	40.000	ug/ml
Aromatic C12-C16	5.795	8.396	10472510.000	60.000	ug/ml
Aromatic C16-C21	8.397	12.661	13024891.000	80.000	ug/ml
Aromatic C21-C36	12.662	18.073	26617558.000	180.000	ug/ml
Aromatic EPH	4.076	18.073	56928436.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049139.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 16:30
 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: Mar 01 02:19:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.352	3062089	21.397 ug/ml
Spiked Amount 50.000		Recovery =	42.79%
6) S 2-Fluorobiphenyl (SURR)	8.204	1810963	20.600 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.20%
11) S ortho-Terphenyl (SURR)	11.233	3471724	21.460 ug/ml
Spiked Amount 50.000		Recovery =	42.92%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.175	3399763	21.348 ug/ml
2) T Naphthalene (C11.7)	5.693	3413714	21.499 ug/ml
3) T 2-Methylnaphthalene (...)	6.740	3391580	21.784 ug/ml
5) T Acenaphthylene (C15.06)	8.003	3462957	21.297 ug/ml
7) T Acenaphthene (C15.5)	8.296	3617973	21.993 ug/ml
8) T Fluorene (C16.55)	9.077	3337715	21.172 ug/ml
9) T Phenanthrene (C19.36)	10.464	3215091	21.334 ug/ml
10) T Anthracene (C19.43)	10.542	3207397	21.237 ug/ml
12) T Fluoranthene (C21.85)	12.269	3302650	21.402 ug/ml
13) T Pyrene (C20.8)	12.561	3264688	21.191 ug/ml
14) T Benzo[a]anthracene (C...	14.432	2802942	21.333 ug/ml
15) T Chrysene (C27.41)	14.473	3496552	21.625 ug/ml
16) T benzo[b]fluoranthene ...	15.978	2945002	21.404 ug/ml
17) T Bnezo[k]fluoranthene ...	16.010	3328113	21.072 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.360	2719805	20.037 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.728	1974445	18.068 ug/ml
20) T Dibenz[a,h]anthracene...	17.769	3112363	20.062 ug/ml
21) T Benzo[g,h,i]perylene ...	17.973	2935686	20.253 ug/ml

(f)=RT Delta > 1/2 Window

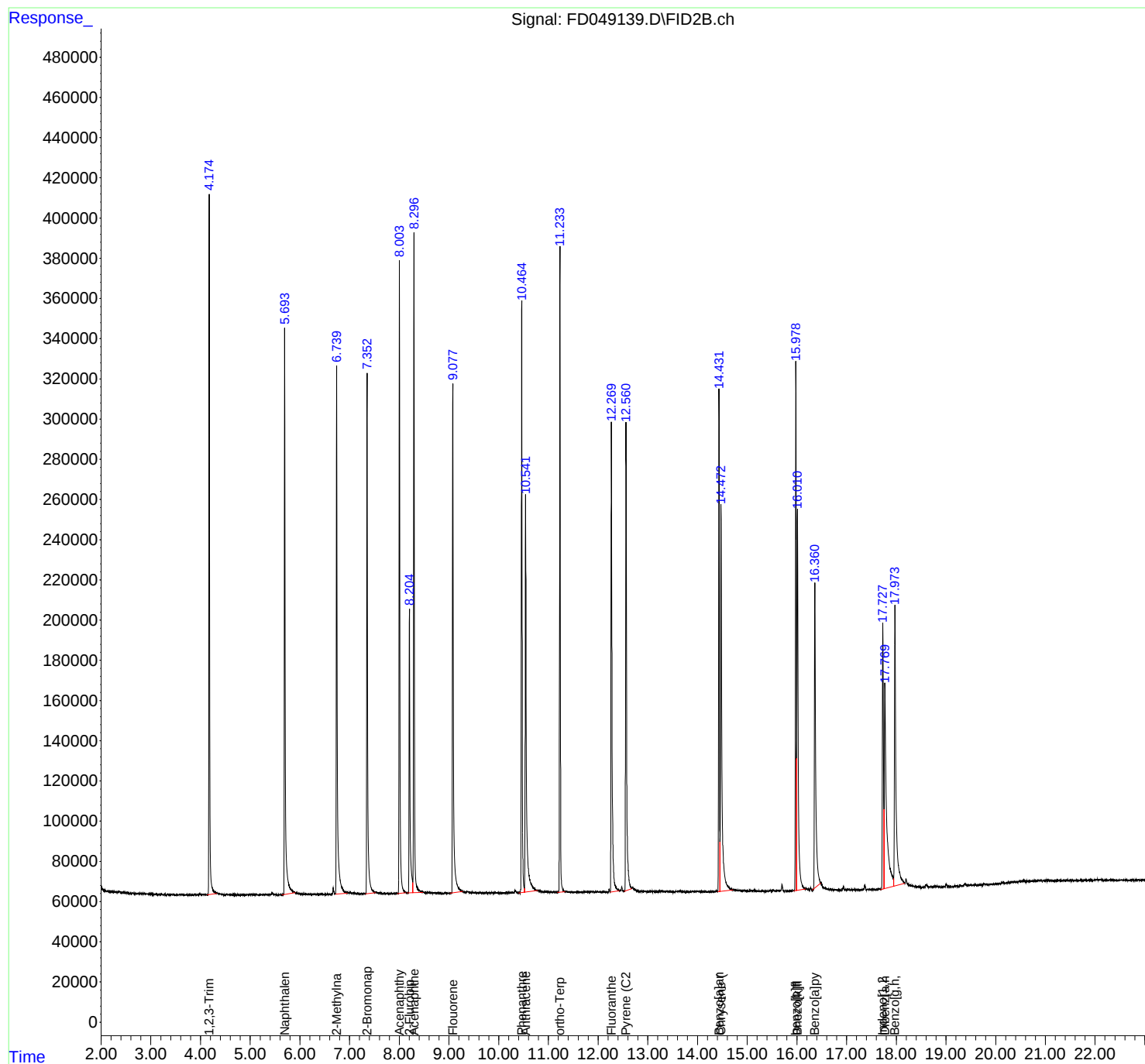
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049139.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 16:30
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: Mar 01 02:19:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 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\FD022825AR\
Data File : FD049139.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 16:30
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 021125.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	4.175	4.130	4.329	BB	347315	3399763	93.97%	5.209%
2	5.693	5.644	5.904	BB	281480	3413714	94.35%	5.230%
3	6.740	6.714	6.959	PV	262624	3391580	93.74%	5.196%
4	7.352	7.310	7.525	BB	258504	3062089	84.64%	4.691%
5	8.003	7.960	8.132	BB	313684	3462957	95.72%	5.305%
6	8.204	8.157	8.272	BV	140970	1810963	50.05%	2.774%
7	8.296	8.272	8.470	VB	328959	3617973	100.00%	5.543%
8	9.077	9.025	9.270	BB	252925	3337715	92.25%	5.113%
9	10.464	10.407	10.518	BV	294137	3215091	88.86%	4.926%
10	10.542	10.518	10.789	VB	197481	3207397	88.65%	4.914%
11	11.233	11.180	11.340	BB	319815	3471724	95.96%	5.319%
12	12.269	12.240	12.432	PB	233879	3302650	91.28%	5.060%
13	12.561	12.520	12.677	BV	232578	3264688	90.24%	5.002%
14	14.432	14.407	14.452	BV	250173	2802942	77.47%	4.294%
15	14.473	14.452	14.710	VB	191741	3496552	96.64%	5.357%
16	15.978	15.930	15.994	BV	263046	2945002	81.40%	4.512%
17	16.010	15.994	16.177	VV	189631	3328113	91.99%	5.099%
18	16.360	16.309	16.480	BV	151978	2719805	75.17%	4.167%
19	17.728	17.690	17.752	BV	132307	1974445	54.57%	3.025%
20	17.769	17.752	17.947	VV	102302	3112363	86.03%	4.768%
21	17.973	17.947	18.174	VV	138958	2935686	81.14%	4.498%
Sum of corrected areas:						65273211		

Aromatic EPH 021125.M Sat Mar 01 03:55:59 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049139.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 16:30
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 LabSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: Mar 01 02:19:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 T	1,2,3-Trimethylbenzene (C10	159.254	169.988	E3	-6.7	109	0.00
2 T	Naphthalene (C11.7)	158.788	170.686	E3	-7.5	109	0.00
3 T	2-Methylnaphthalene (C12.89	155.693	169.579	E3	-8.9	109	0.00
4 S	2-Bromonaphthalene (SURR)	143.109	153.104	E3	-7.0	108	0.00
5 T	Acenaphthylene (C15.06)	162.606	173.148	E3	-6.5	108	0.00
6 S	2-Fluorobiphenyl (SURR)	87.912	90.548	E3	-3.0	102	0.00
7 T	Acenaphthene (C15.5)	164.509	180.899	E3	-10.0	113	0.00
8 T	Flouorene (C16.55)	157.649	166.886	E3	-5.9	107	0.00
9 T	Phenanthrene (C19.36)	150.701	160.755	E3	-6.7	107	0.00
10 T	Anthracene (C19.43)	151.028	160.370	E3	-6.2	107	0.00
11 S	ortho-Terphenyl (SURR)	161.774	173.586	E3	-7.3	109	0.00
12 T	Fluoranthene (C21.85)	154.315	165.132	E3	-7.0	108	0.00
13 T	Pyrene (C20.8)	154.058	163.234	E3	-6.0	108	0.00
14 T	Benzo[a]anthracene (C26.37)	131.390	140.147	E3	-6.7	104	0.00
15 T	Chrysene (C27.41)	161.687	174.828	E3	-8.1	113	0.00
16 T	benzo[b]fluoranthene (C30.4	137.594	147.250	E3	-7.0	105	0.00
17 T	Bnezo[k]fluoranthene (C30.1	157.942	166.406	E3	-5.4	109	0.00
18 T	Benzo[a]pyrene (C31.34)	135.737	135.990	E3	-0.2	101	0.00
19 T	Indeno[1,2,3-cd]pyrene (C35	109.277	98.722	E3	9.7	92	0.01
20 T	Dibenz[a,h]anthracene (C30.	155.140	155.618	E3	-0.3	100	0.01
21 T	Benzo[g,h,i]perylene (C34.0	144.951	146.784	E3	-1.3	104	0.00

Evaluate Continuing Calibration Report - Not Found

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Continuing Calibration Report for SequenceID : FD022825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049149.D

Aromatic C10-C12	6973708.000	40.000	4.076	5.794	174342.700	159020.606	-9.635
Aromatic C12-C16	10519197.000	60.000	5.795	8.396	175319.950	160935.866	-8.938
Aromatic C16-C21	13182289.000	80.000	8.397	12.661	164778.613	153359.309	-7.446
Aromatic C21-C36	27715585.000	180.000	12.662	18.073	153975.472	143114.753	-7.589
Aromatic EPH	58390779.000	360.000	4.076	18.073	162196.608	150128.823	-8.038

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	28 Feb 2025 23:50
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049149.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.076	5.794	6973708.000	40.000	ug/ml
Aromatic C12-C16	5.795	8.396	10519197.000	60.000	ug/ml
Aromatic C16-C21	8.397	12.661	13182289.000	80.000	ug/ml
Aromatic C21-C36	12.662	18.073	27715585.000	180.000	ug/ml
Aromatic EPH	4.076	18.073	58390779.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049149.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 23:50
 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: Mar 01 02:23:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.351	3112938	21.752 ug/ml
Spiked Amount 50.000		Recovery =	43.50%
6) S 2-Fluorobiphenyl (SURR)	8.202	1935781	22.020 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	44.04%
11) S ortho-Terphenyl (SURR)	11.233	3516404	21.736 ug/ml
Spiked Amount 50.000		Recovery =	43.47%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.174	3482094	21.865 ug/ml
2) T Naphthalene (C11.7)	5.692	3491614	21.989 ug/ml
3) T 2-Methylnaphthalene (...)	6.738	3436502	22.072 ug/ml
5) T Acenaphthylene (C15.06)	8.002	3538476	21.761 ug/ml
7) T Acenaphthene (C15.5)	8.295	3544219	21.544 ug/ml
8) T Fluorene (C16.55)	9.076	3414145	21.657 ug/ml
9) T Phenanthrene (C19.36)	10.463	3285846	21.804 ug/ml
10) T Anthracene (C19.43)	10.540	3144239	20.819 ug/ml
12) T Fluoranthene (C21.85)	12.268	3406381	22.074 ug/ml
13) T Pyrene (C20.8)	12.560	3338059	21.667 ug/ml
14) T Benzo[a]anthracene (C...	14.431	2962829	22.550 ug/ml
15) T Chrysene (C27.41)	14.472	3493330	21.606 ug/ml
16) T benzo[b]fluoranthene ...	15.979	3063160	22.262 ug/ml
17) T Bnezo[k]fluoranthene ...	16.010	3396369	21.504 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.358	2853122	21.020 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.724	2187483	20.018 ug/ml
20) T Dibenz[a,h]anthracene...	17.764	3318186	21.388 ug/ml
21) T Benzo[g,h,i]perylene ...	17.972	3034725	20.936 ug/ml

(f)=RT Delta > 1/2 Window

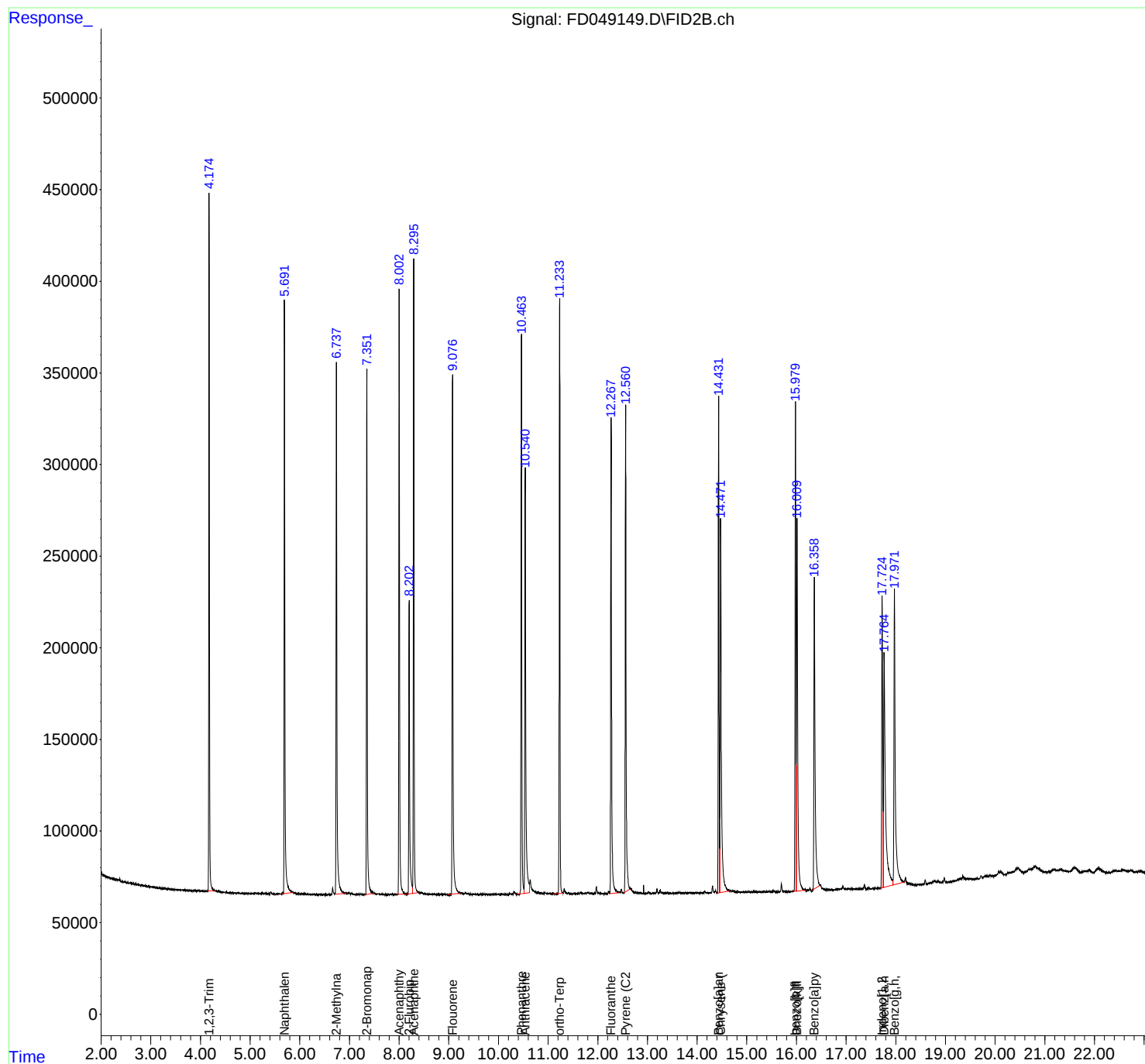
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049149.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 23:50
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: Mar 01 02:23:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 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\FD022825AR\
Data File : FD049149.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 23:50
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 021125.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	4.174	4.130	4.287	BB	380598	3482094	98.25%	5.201%
2	5.692	5.639	5.869	BB	322834	3491614	98.52%	5.215%
3	6.738	6.709	6.925	VB	289466	3436502	96.96%	5.132%
4	7.351	7.304	7.492	BB	286209	3112938	87.83%	4.649%
5	8.002	7.960	8.142	BB	329991	3538476	99.84%	5.285%
6	8.202	8.157	8.271	BV	160039	1935781	54.62%	2.891%
7	8.295	8.271	8.387	VV	346026	3544219	100.00%	5.293%
8	9.076	8.975	9.237	BB	283289	3414145	96.33%	5.099%
9	10.463	10.369	10.517	BV	305602	3285846	92.71%	4.907%
10	10.540	10.517	10.625	VV	232207	3144239	88.71%	4.696%
11	11.233	11.107	11.304	BV	324629	3516404	99.22%	5.252%
12	12.268	12.241	12.434	VV	259716	3406381	96.11%	5.087%
13	12.560	12.510	12.652	BV	265565	3338059	94.18%	4.985%
14	14.431	14.407	14.452	BV	272185	2962829	83.60%	4.425%
15	14.472	14.452	14.662	VB	204003	3493330	98.56%	5.217%
16	15.979	15.930	15.994	BV	266949	3063160	86.43%	4.575%
17	16.010	15.994	16.185	VB	202882	3396369	95.83%	5.073%
18	16.358	16.302	16.471	BV	169879	2853122	80.50%	4.261%
19	17.724	17.690	17.746	BV	158941	2187483	61.72%	3.267%
20	17.764	17.746	17.944	VV	127973	3318186	93.62%	4.956%
21	17.972	17.944	18.172	VV	161265	3034725	85.62%	4.532%
Sum of corrected areas:						66955900		

Aromatic EPH 021125.M Sat Mar 01 03:56:54 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049149.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 23:50
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 LabSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: Mar 01 02:23:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 T	1,2,3-Trimethylbenzene (C10	159.254	174.105	E3	-9.3	112	0.00
2 T	Naphthalene (C11.7)	158.788	174.581	E3	-9.9	111	0.00
3 T	2-Methylnaphthalene (C12.89	155.693	171.825	E3	-10.4	111	0.00
4 S	2-Bromonaphthalene (SURR)	143.109	155.647	E3	-8.8	110	0.00
5 T	Acenaphthylene (C15.06)	162.606	176.924	E3	-8.8	111	0.00
6 S	2-Fluorobiphenyl (SURR)	87.912	96.789	E3	-10.1	109	0.00
7 T	Acenaphthene (C15.5)	164.509	177.211	E3	-7.7	110	0.00
8 T	Flouorene (C16.55)	157.649	170.707	E3	-8.3	109	0.00
9 T	Phenanthrene (C19.36)	150.701	164.292	E3	-9.0	110	0.00
10 T	Anthracene (C19.43)	151.028	157.212	E3	-4.1	104	0.00
11 S	ortho-Terphenyl (SURR)	161.774	175.820	E3	-8.7	111	0.00
12 T	Fluoranthene (C21.85)	154.315	170.319	E3	-10.4	111	0.00
13 T	Pyrene (C20.8)	154.058	166.903	E3	-8.3	111	0.00
14 T	Benzo[a]anthracene (C26.37)	131.390	148.141	E3	-12.7	110	0.00
15 T	Chrysene (C27.41)	161.687	174.666	E3	-8.0	112	0.00
16 T	benzo[b]fluoranthene (C30.4	137.594	153.158	E3	-11.3	109	0.00
17 T	Bnezo[k]fluoranthene (C30.1	157.942	169.818	E3	-7.5	112	0.00
18 T	Benzo[a]pyrene (C31.34)	135.737	142.656	E3	-5.1	106	0.00
19 T	Indeno[1,2,3-cd]pyrene (C35	109.277	109.374	E3	-0.1	102	0.00
20 T	Dibenz[a,h]anthracene (C30.	155.140	165.909	E3	-6.9	107	0.00
21 T	Benzo[g,h,i]perylene (C34.0	144.951	151.736	E3	-4.7	107	0.00

Evaluate Continuing Calibration Report - Not Found

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166923BL	SDG No.:	Q1422
Lab Sample ID:	PB166923BL	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
FD049130.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.30	U	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.34	U	0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.96	U	0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.00	U	2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	56.0		40 - 140	112%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	57.8		40 - 140	116%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.7		40 - 140	99%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166923BL	Acq On:	28 Feb 2025 11:00
Client Sample ID:	PB166923BL	Operator:	YP/AJ
Data file:	FD049130.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	4.076	5.794	0	0	200	ug/ml
Aromatic C12-C16	5.795	8.396	0	0	300	ug/ml
Aromatic C16-C21	8.397	12.661	0	0	500	ug/ml
Aromatic C21-C36	12.662	18.073	0	0	800	ug/ml
Aromatic EPH	4.076	18.073	0	0		ug/ml
ortho-Terphenyl (SURR)	11.236	11.236	8041222	49.71		ug/ml
2-Bromonaphthalene (SURR)	7.352	7.352	8010402	55.97		ug/ml
2-Fluorobiphenyl (SURR)	8.201	8.201	5081253	57.8		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049130.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 11:00
 Operator : YP/AJ
 Sample : PB166923BL
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB166923BL

Integration File: autoint1.e
 Quant Time: Mar 01 02:16:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.352	8010402	55.974 ug/ml
Spiked Amount 50.000		Recovery =	111.95%
6) S 2-Fluorobiphenyl (SURR)	8.201	5081253	57.799 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	115.60%
11) S ortho-Terphenyl (SURR)	11.236	8041222	49.706 ug/ml
Spiked Amount 50.000		Recovery =	99.41%

Target Compounds

(f)=RT Delta > 1/2 Window

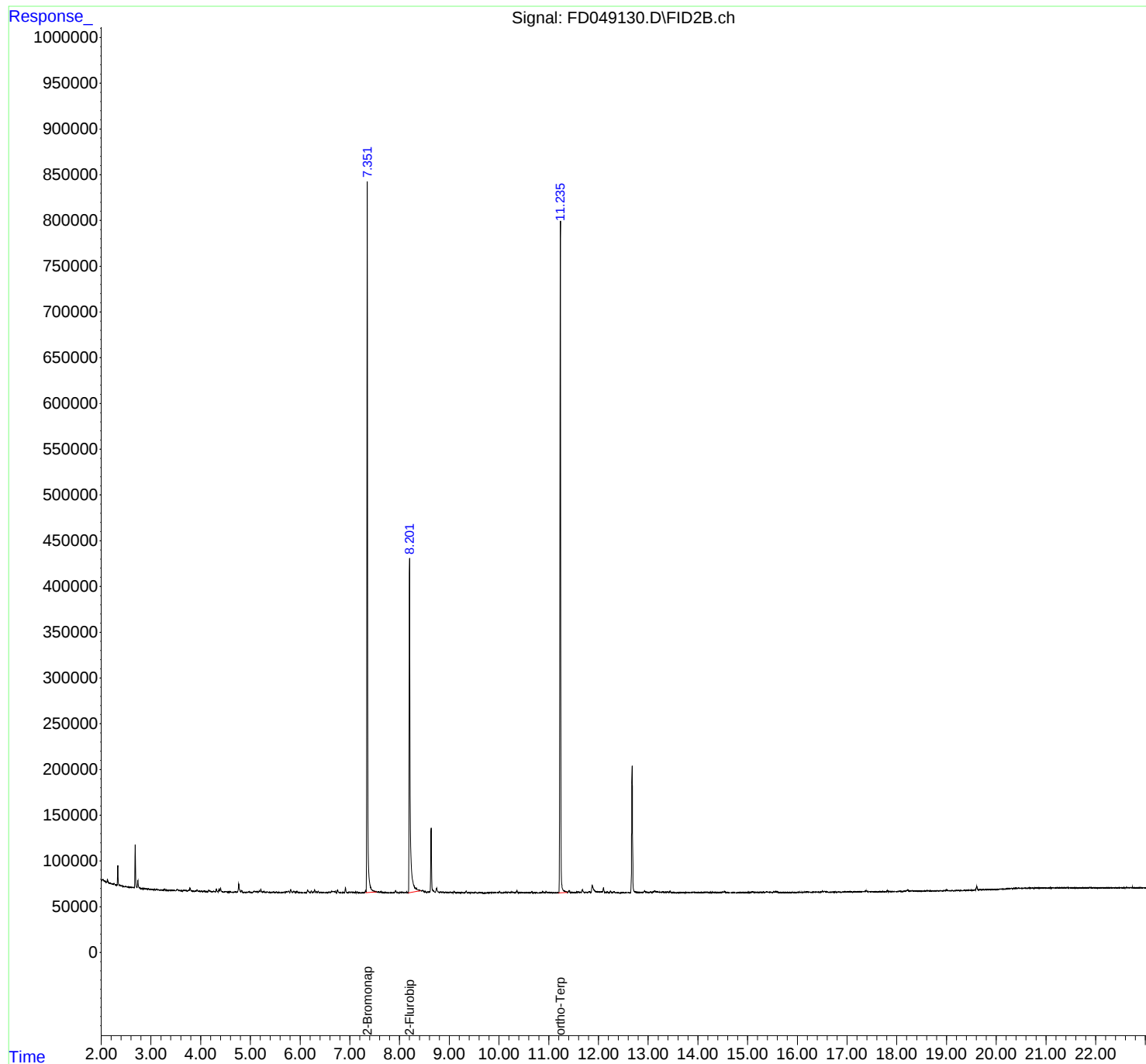
(m)=manual int.

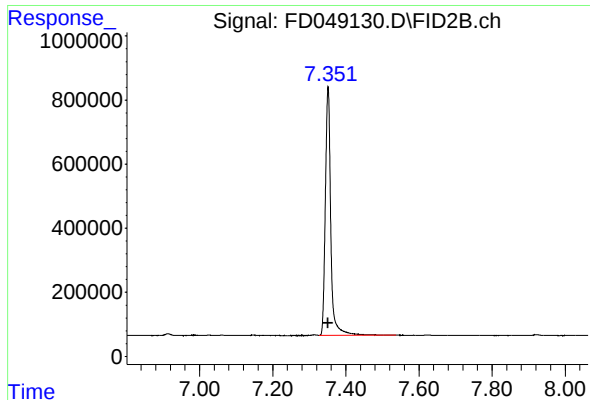
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049130.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 11:00
Operator : YP/AJ
Sample : PB166923BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166923BL

Integration File: autoint1.e
Quant Time: Mar 01 02:16:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

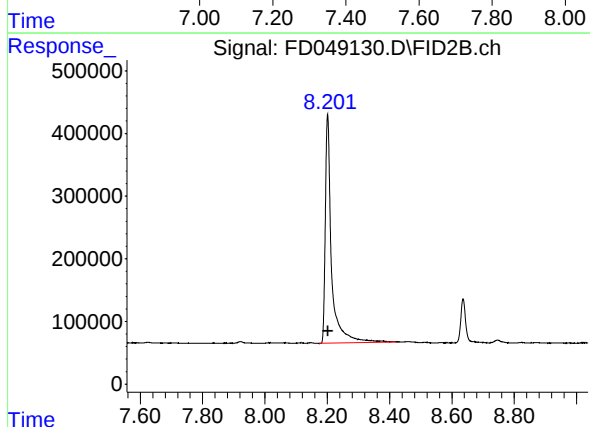




#4 2-Bromonaphthalene (SURR)

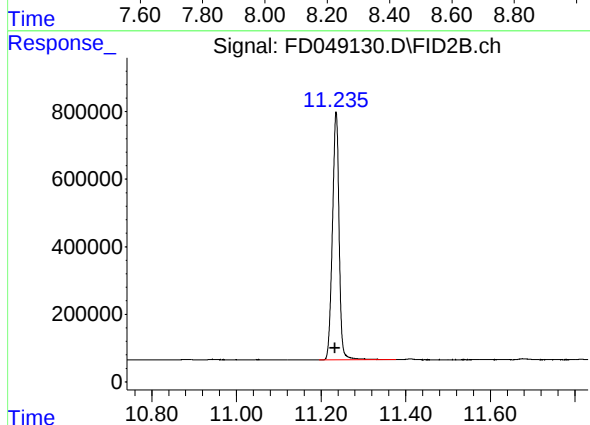
R.T.: 7.352 min
Delta R.T.: 0.000 min
Response: 8010402
Conc: 55.97 ug/ml

Instrument :
FID_D
ClientSampleId :
PB166923BL



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.201 min
Delta R.T.: 0.000 min
Response: 5081253
Conc: 57.80 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.236 min
Delta R.T.: 0.002 min
Response: 8041222
Conc: 49.71 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049130.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 11:00
Sample : PB166923BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	7.352	7.327	7.537	VB	776735	8010402	99.62%	37.905%
2	8.201	8.174	8.420	PB	364991	5081253	63.19%	24.044%
3	11.236	11.195	11.377	BB	734702	8041222	100.00%	38.051%
Sum of corrected areas:							21132876	

Aromatic EPH 021125.M Sat Mar 01 03:51:24 2025

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166923BL	SDG No.:	Q1422
Lab Sample ID:	PB166923BL	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
02/27/25 13:10	02/28/25 11:00	PB166923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.38	U	1	0.38	1.00	mg/kg	FC068322.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FC068322.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FC068322.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FC068322.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC068322.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FD049130.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FD049130.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FD049130.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.66	mg/kg	FD049130.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.60	U		3.60	6.00	mg/kg	
Total EPH	Total EPH	7.12	U		7.12	12.0	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166923BL	SDG No.:	Q1422
Lab Sample ID:	PB166923BL	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
FC068322.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.38	U	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.6		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB166923BL	Acq On:	28 Feb 2025 11:00
Client Sample ID:	PB166923BL	Operator:	YP/AJ
Data file:	FC068322.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	3.104	6.369	0	0	300	ug/ml
Aliphatic C12-C16	6.370	9.754	0	0	200	ug/ml
Aliphatic C16-C21	9.755	13.107	0	0	300	ug/ml
Aliphatic C21-C28	13.108	16.761	0	0	400	ug/ml
Aliphatic C28-C40	16.762	21.565	0	0	600	ug/ml
Aliphatic EPH	3.104	21.565	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.840	12.840	4680251	41.61		ug/ml
Aliphatic C9-C28	3.104	16.761	0	0	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068322.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 11:00
Operator : YP/AJ
Sample : PB166923BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166923BL

Integration File: autoint1.e
Quant Time: Mar 05 05:22:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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...	12.840	4680251	41.612 ug/ml
Spiked Amount	50.000	Recovery	= 83.22%

Target Compounds

(f)=RT Delta > 1/2 Window

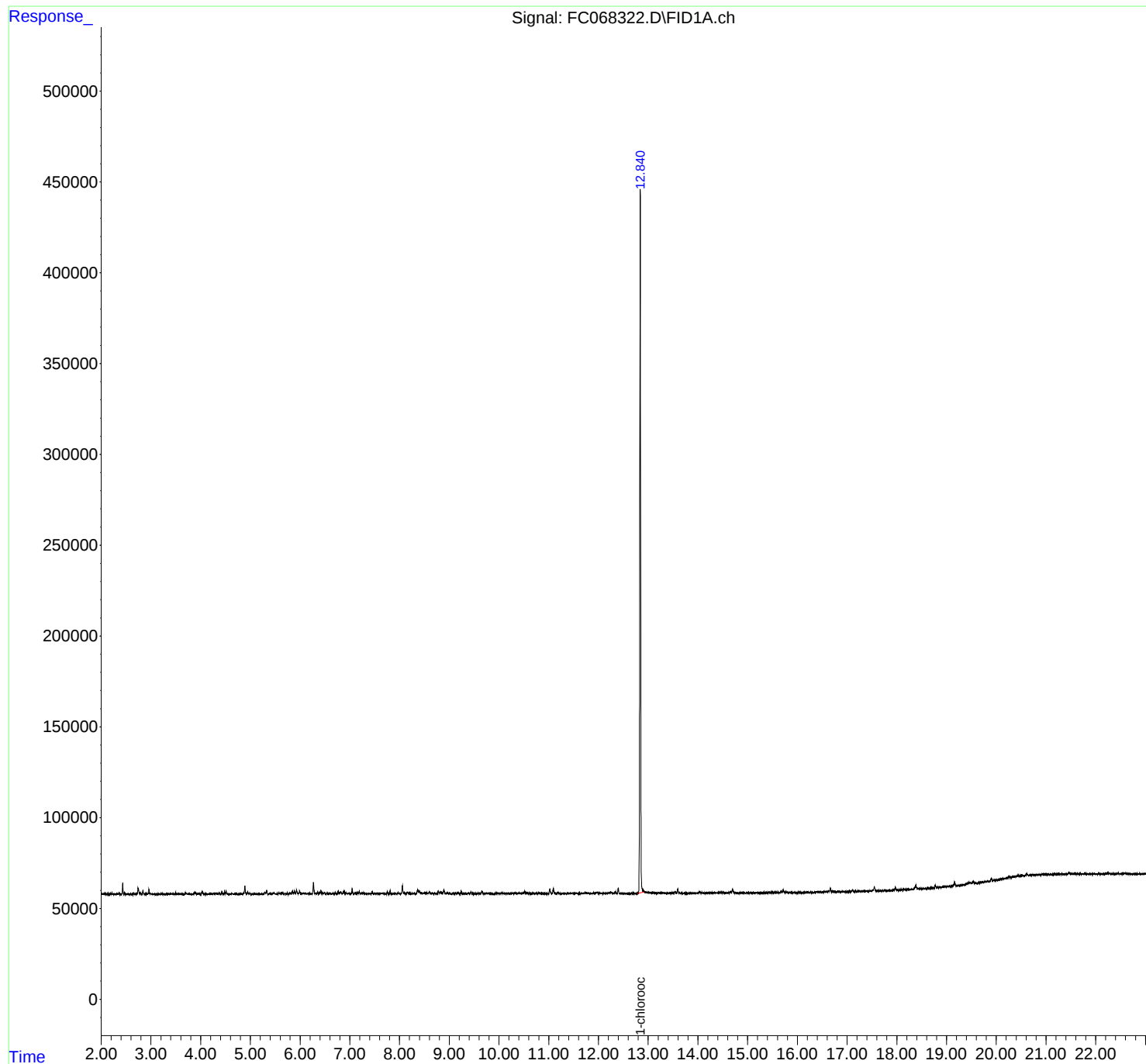
(m)=manual int.

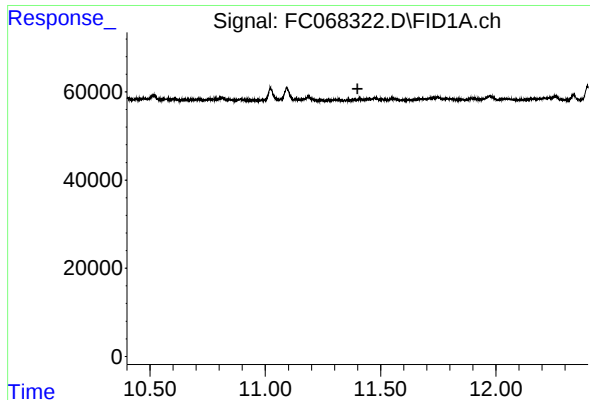
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068322.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 11:00
Operator : YP/AJ
Sample : PB166923BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166923BL

Integration File: autoint1.e
Quant Time: Mar 05 05:22:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

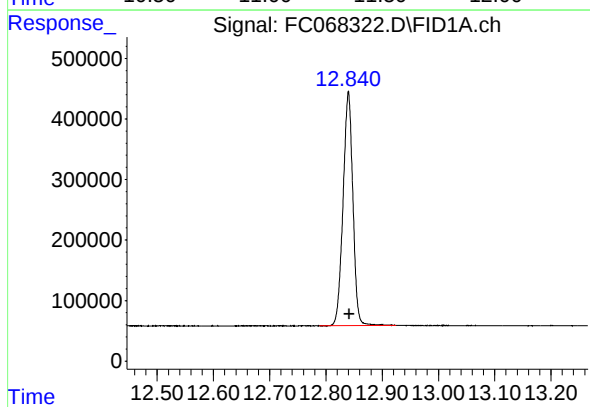




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.400 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB166923BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.840 min
Delta R.T.: -0.002 min
Response: 4680251
Conc: 41.61 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068322.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 11:00
Sample : PB166923BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	12.840	12.788	12.925	BB	386372	4680251	100.00%	100.000%
Sum of corrected areas:							4680251	

Aliphatic EPH 021125.M Sat Mar 01 01:22:54 2025

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166923BS	SDG No.:	Q1422
Lab Sample ID:	PB166923BS	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
FD049131.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.49		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	11.1		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	21.5		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	34.3		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	58.3		40 - 140	117%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	61.9		40 - 140	124%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	53.0		40 - 140	106%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166923BS	Acq On:	28 Feb 2025 11:37
Client Sample ID:	PB166923BS	Operator:	YP/AJ
Data file:	FD049131.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	4.076	5.794	15506186	97.511	200	ug/ml
Aromatic C12-C16	5.795	8.396	26811280	166.596	300	ug/ml
Aromatic C16-C21	8.397	12.661	49558614	323.154	500	ug/ml
Aromatic C21-C36	12.662	18.073	73636189	514.525	800	ug/ml
Aromatic EPH	4.076	18.073	165512269	1100		ug/ml
2-Bromonaphthalene (SURRE)	7.352	7.352	8337130	58.26		ug/ml
2-Fluorobiphenyl (SURRE)	8.203	8.203	5441864	61.9		ug/ml
ortho-Terphenyl (SURRE)	11.237	11.237	8579131	53.03		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049131.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 11:37
 Operator : YP/AJ
 Sample : PB166923BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB166923BS

Integration File: autoint1.e
 Quant Time: Mar 01 02:17:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.352	8337130	58.257 ug/ml
Spiked Amount 50.000		Recovery =	116.51%
6) S 2-Fluorobiphenyl (SURR)	8.203	5441864	61.901 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	123.80%
11) S ortho-Terphenyl (SURR)	11.237	8579131	53.031 ug/ml
Spiked Amount 50.000		Recovery =	106.06%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.176	7284149	45.739 ug/ml
2) T Naphthalene (C11.7)	5.693	8222037	51.780 ug/ml
3) T 2-Methylnaphthalene (...)	6.739	8074488	51.862 ug/ml
5) T Acenaphthylene (C15.06)	8.005	9136899	56.191 ug/ml
7) T Acenaphthene (C15.5)	8.300	9599893	58.355 ug/ml
8) T Fluorene (C16.55)	9.079	9673508	61.361 ug/ml
9) T Phenanthrene (C19.36)	10.467	9815403	65.132 ug/ml
10) T Anthracene (C19.43)	10.543	9838705	65.145 ug/ml
12) T Fluoranthene (C21.85)	12.273	10212040	66.177 ug/ml
13) T Pyrene (C20.8)	12.566	10018958	65.034 ug/ml
14) T Benzo[a]anthracene (C...	14.437	9485151	72.191 ug/ml
15) T Chrysene (C27.41)	14.479	9302019	57.531 ug/ml
16) T benzo[b]fluoranthene ...	15.987	9472667	68.845 ug/ml
17) T Bnezo[k]fluoranthene ...	16.022	9519915	60.275 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.362	9102339	67.059 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.733	8774948	80.300 ug/ml
20) T Dibenz[a,h]anthracene...	17.767	8997450	57.996 ug/ml
21) T Benzo[g,h,i]perylene ...	17.983	8981700	61.964 ug/ml

(f)=RT Delta > 1/2 Window

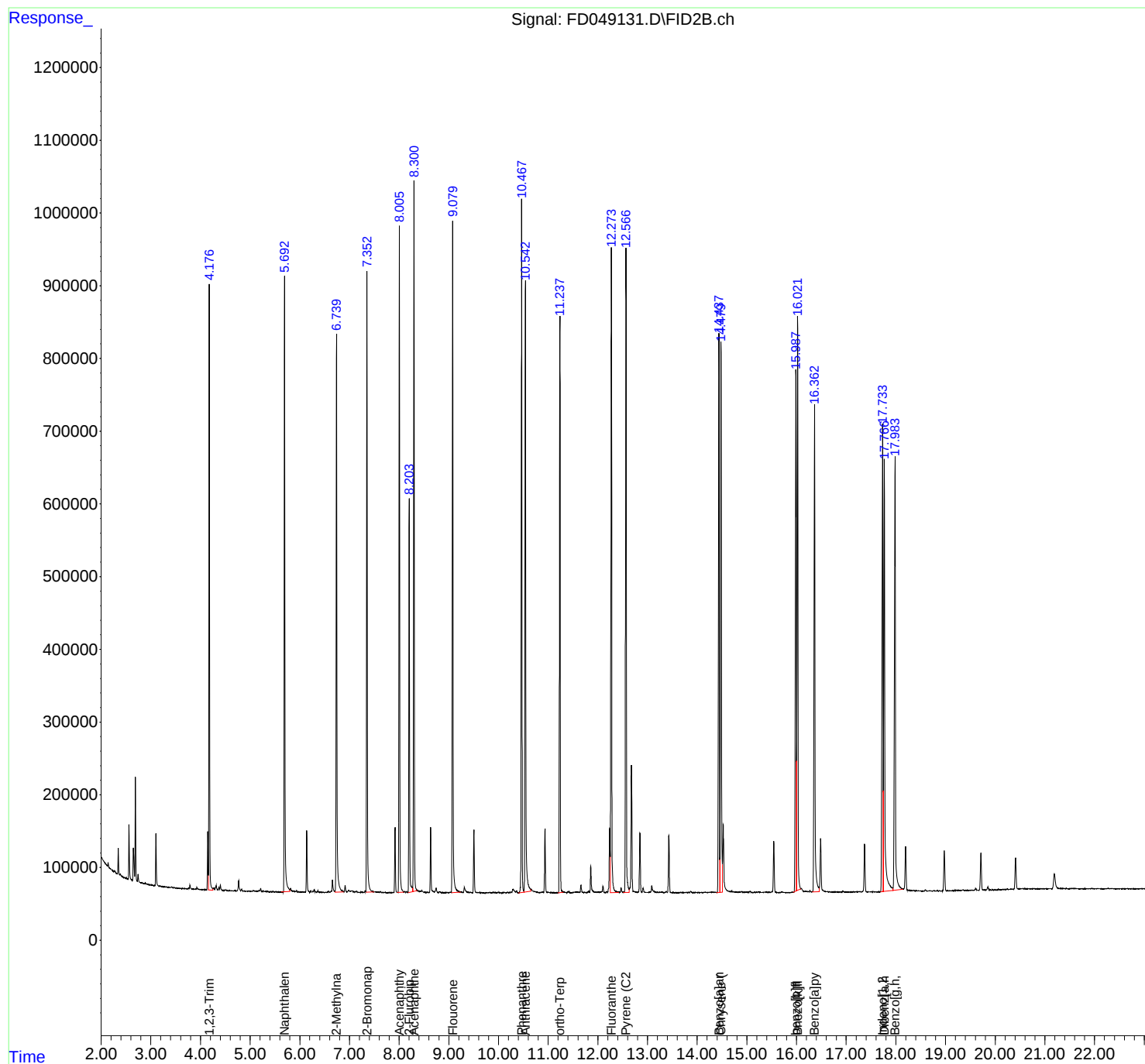
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049131.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 11:37
Operator : YP/AJ
Sample : PB166923BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166923BS

Integration File: autoint1.e
Quant Time: Mar 01 02:17:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 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\FD022825AR\
 Data File : FD049131.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 11:37
 Sample : PB166923BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.176	4.160	4.251	VV	832466	7284149	71.33%	3.877%
2	5.693	5.625	5.797	BV	847783	8222037	80.51%	4.376%
3	6.739	6.710	6.875	VV	766284	8074488	79.07%	4.298%
4	7.352	7.328	7.497	VB	853398	8337130	81.64%	4.438%
5	8.005	7.960	8.095	BV	916751	9136899	89.47%	4.863%
6	8.203	8.177	8.272	BV	542452	5441864	53.29%	2.897%
7	8.300	8.272	8.367	VV	975321	9599893	94.01%	5.110%
8	9.079	9.051	9.230	PV	926912	9673508	94.73%	5.149%
9	10.467	10.403	10.513	BV	952424	9815403	96.12%	5.225%
10	10.543	10.513	10.647	VV	840898	9838705	96.34%	5.237%
11	11.237	11.193	11.310	BV	791167	8579131	84.01%	4.567%
12	12.273	12.248	12.427	VB	888617	10212040	100.00%	5.436%
13	12.566	12.507	12.632	VV	889348	10018958	98.11%	5.333%
14	14.437	14.393	14.454	BV	768080	9485151	92.88%	5.049%
15	14.479	14.454	14.507	VV	756410	9302019	91.09%	4.951%
16	15.987	15.930	16.001	BV	716637	9472667	92.76%	5.042%
17	16.022	16.001	16.085	VV	788969	9519915	93.22%	5.067%
18	16.362	16.313	16.457	BV	670089	9102339	89.13%	4.845%
19	17.733	17.690	17.746	BV	643928	8774948	85.93%	4.671%
20	17.767	17.746	17.942	VV	594625	8997450	88.11%	4.789%
21	17.983	17.942	18.143	VV	596917	8981700	87.95%	4.781%
Sum of corrected areas:						187870394		

Aromatic EPH 021125.M Sat Mar 01 03:53:48 2025

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166923BS	SDG No.:	Q1422
Lab Sample ID:	PB166923BS	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
02/27/25 13:10	02/28/25 11:37	PB166923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.53		1	0.38	1.00	mg/kg	FC068323.D
Aliphatic C12-C16	Aliphatic C12-C16	5.75		1	0.24	0.67	mg/kg	FC068323.D
Aliphatic C16-C21	Aliphatic C16-C21	9.57		1	0.30	1.00	mg/kg	FC068323.D
Aliphatic C21-C28	Aliphatic C21-C28	12.9		1	0.80	1.33	mg/kg	FC068323.D
Aliphatic C28-C40	Aliphatic C28-C40	21.3		1	1.80	2.00	mg/kg	FC068323.D
Aromatic C10-C12	Aromatic C10-C12	6.49		1	0.30	0.67	mg/kg	FD049131.D
Aromatic C12-C16	Aromatic C12-C16	11.1		1	0.34	1.00	mg/kg	FD049131.D
Aromatic C16-C21	Aromatic C16-C21	21.5		1	0.96	1.67	mg/kg	FD049131.D
Aromatic C21-C36	Aromatic C21-C36	34.3		1	2.00	2.66	mg/kg	FD049131.D
Total AliphaticEPH	Total AliphaticEPH	56.0			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	73.4			3.60	6.00	mg/kg	
Total EPH	Total EPH	129			7.12	12.0	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166923BS	SDG No.:	Q1422
Lab Sample ID:	PB166923BS	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
FC068323.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.53		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.75		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.57		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.9		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.3		1.80	2.00	mg/kg
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:	PB166923BS	Acq On:	28 Feb 2025 11:37
Client Sample ID:	PB166923BS	Operator:	YP/AJ
Data file:	FC068323.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	3.104	6.369	13831446	98.071	300	ug/ml
Aliphatic C12-C16	6.370	9.754	11804868	86.385	200	ug/ml
Aliphatic C16-C21	9.755	13.107	18912877	143.681	300	ug/ml
Aliphatic C21-C28	13.108	16.761	23798182	193.968	400	ug/ml
Aliphatic C28-C40	16.762	21.565	32890476	319.802	600	ug/ml
Aliphatic EPH	3.104	21.565	101237849	841.906		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.840	12.840	4376930	38.91		ug/ml
Aliphatic C9-C28	3.104	16.761	68347373	522.105	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068323.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 11:37
 Operator : YP/AJ
 Sample : PB166923BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB166923BS

Integration File: autoint1.e
 Quant Time: Mar 05 05:23:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 05 03:08:52 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...	12.840	4376930	38.915 ug/ml
Spiked Amount 50.000		Recovery =	77.83%
Target Compounds			
1) T n-Nonane (C9)	3.205	3770437	26.802 ug/ml
2) T n-Decane (C10)	4.262	4690075	33.105 ug/ml
4) T n-Dodecane (C12)	6.270	5370934	38.157 ug/ml
6) T n-Tetradecane (C14)	8.059	5778269	42.380 ug/ml
7) T n-Hexadecane (C16)	9.655	6026599	44.001 ug/ml
8) T n-Octadecane (C18)	11.094	6267228	45.827 ug/ml
10) T n-Eicosane (C20)	12.400	6468032	49.645 ug/ml
11) T n-Heneicosane (C21)	13.011	6177617	48.320 ug/ml
13) T n-Docosane (C22)	13.595	6141972	48.735 ug/ml
14) T n-Tetracosane (C24)	14.696	6008487	48.309 ug/ml
15) T n-Hexacosane (C26)	15.715	5879209	48.352 ug/ml
16) T n-Octacosane (C28)	16.664	5728664	48.234 ug/ml
17) T n-Tricontane (C30)	17.550	5730289	47.607 ug/ml
18) T n-Dotriacontane (C32)	18.381	5695730	49.073 ug/ml
19) T n-Tetratriacontane (C34)	19.164	5652338	52.308 ug/ml
20) T n-Hexatriacontane (C36)	19.903	5406820	56.222 ug/ml
21) T n-Octatriacontane (C38)	20.615	5240074	58.289 ug/ml
22) T n-Tetracontane (C40)	21.470	5034272	58.186 ug/ml

(f)=RT Delta > 1/2 Window

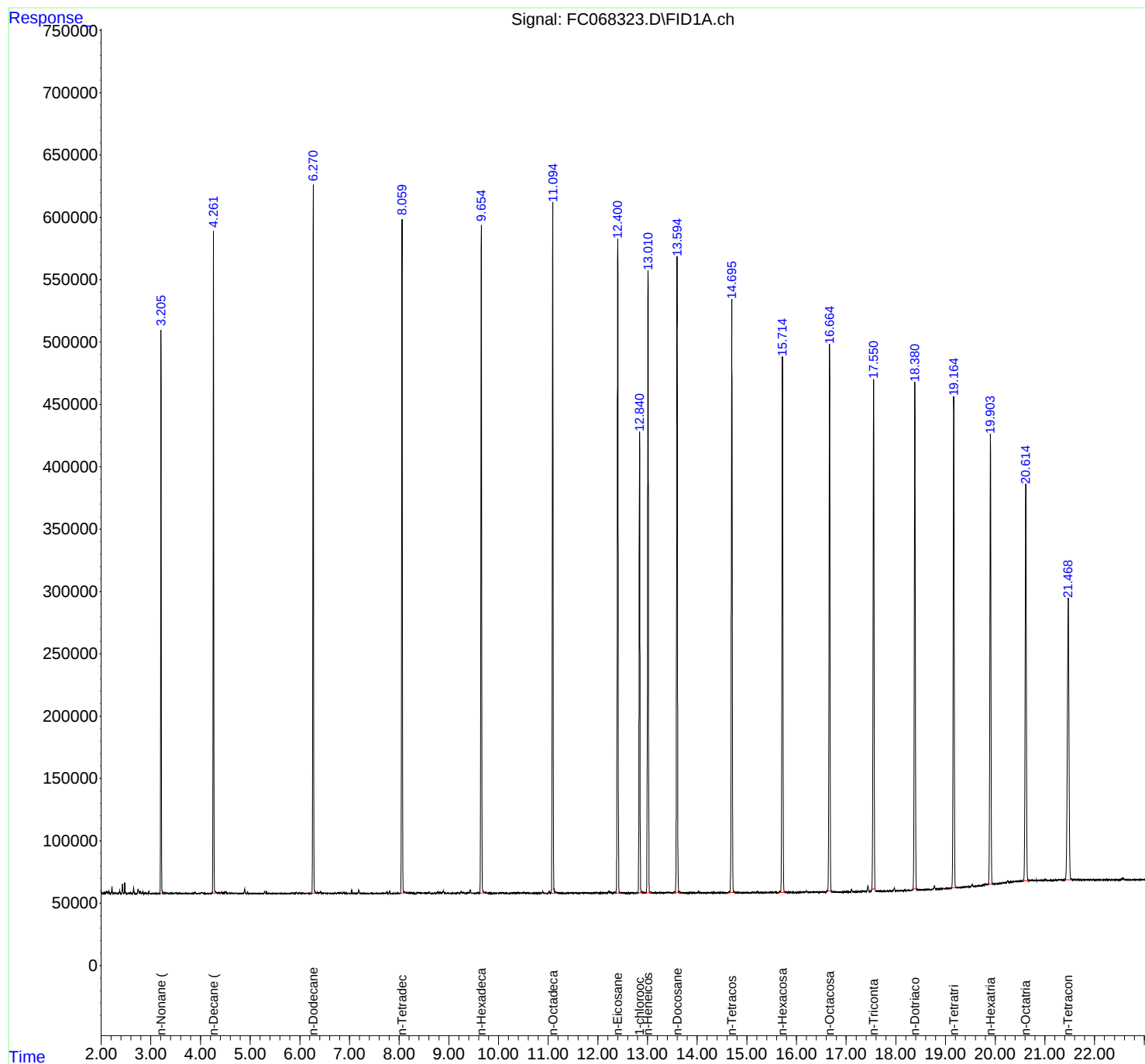
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068323.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 11:37
Operator : YP/AJ
Sample : PB166923BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166923BS

Integration File: autoint1.e
Quant Time: Mar 05 05:23:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068323.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 11:37
Sample : PB166923BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	3.205	3.178	3.268	BB	449086	3770437	58.29%	3.570%
2	4.262	4.228	4.321	BB	526418	4690075	72.51%	4.441%
3	6.270	6.228	6.331	BB	569210	5370934	83.04%	5.085%
4	8.059	8.028	8.124	BB	538627	5778269	89.34%	5.471%
5	9.655	9.614	9.721	BB	535914	6026599	93.18%	5.706%
6	11.094	11.054	11.164	BB	550618	6267228	96.90%	5.934%
7	12.400	12.364	12.461	BB	527788	6468032	100.00%	6.124%
8	12.840	12.794	12.901	BB	374039	4376930	67.67%	4.144%
9	13.011	12.968	13.071	BB	499069	6177617	95.51%	5.849%
10	13.595	13.514	13.658	BB	506611	6141972	94.96%	5.815%
11	14.696	14.614	14.754	BB	474250	6008487	92.90%	5.689%
12	15.715	15.634	15.778	BB	426830	5879209	90.90%	5.567%
13	16.664	16.598	16.728	BB	438374	5768514	89.18%	5.462%
14	17.550	17.488	17.608	BB	407922	5811305	89.85%	5.502%
15	18.381	18.304	18.448	BB	407994	5745667	88.83%	5.440%
16	19.164	19.121	19.224	BB	392230	5652338	87.39%	5.352%
17	19.903	19.851	19.948	BB	359474	5406820	83.59%	5.119%
18	20.615	20.551	20.678	BB	318753	5240074	81.01%	4.961%
19	21.470	21.391	21.554	BB	221575	5034272	77.83%	4.767%
Sum of corrected areas:						105614773		

Aliphatic EPH 021125.M Sat Mar 01 01:23:14 2025

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166923BSD	SDG No.:	Q1422
Lab Sample ID:	PB166923BSD	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
FD049132.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.56		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	11.3		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	21.8		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	34.9		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	59.0		40 - 140	118%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	63.0		40 - 140	126%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	53.6		40 - 140	107%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166923BSD	Acq On:	28 Feb 2025 12:13
Client Sample ID:	PB166923BSD	Operator:	YP/AJ
Data file:	FD049132.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	4.076	5.794	15663141	98.498	200	ug/ml
Aromatic C12-C16	5.795	8.396	27228831	169.191	300	ug/ml
Aromatic C16-C21	8.397	12.661	50286158	327.898	500	ug/ml
Aromatic C21-C36	12.662	18.073	74965222	523.812	800	ug/ml
Aromatic EPH	4.076	18.073	168143352	1120		ug/ml
ortho-Terphenyl (SURR)	11.237	11.237	8675284	53.63		ug/ml
2-Bromonaphthalene (SURR)	7.352	7.352	8444315	59.01		ug/ml
2-Fluorobiphenyl (SURR)	8.203	8.203	5539761	63.01		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049132.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 12:13
 Operator : YP/AJ
 Sample : PB166923BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB166923BSD

Integration File: autoint1.e
 Quant Time: Mar 01 02:17:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.352	8444315	59.006 ug/ml
Spiked Amount 50.000		Recovery =	118.01%
6) S 2-Fluorobiphenyl (SURR)	8.203	5539761	63.015 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	126.03%
11) S ortho-Terphenyl (SURR)	11.237	8675284	53.626 ug/ml
Spiked Amount 50.000		Recovery =	107.25%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.177	7363423	46.237 ug/ml
2) T Naphthalene (C11.7)	5.693	8299718	52.269 ug/ml
3) T 2-Methylnaphthalene (...)	6.739	8179915	52.539 ug/ml
5) T Acenaphthylene (C15.06)	8.006	9241947	56.837 ug/ml
7) T Acenaphthene (C15.5)	8.301	9806969	59.614 ug/ml
8) T Fluorene (C16.55)	9.079	9794107	62.126 ug/ml
9) T Phenanthrene (C19.36)	10.467	9953645	66.049 ug/ml
10) T Anthracene (C19.43)	10.543	10019118	66.339 ug/ml
12) T Fluoranthene (C21.85)	12.273	10371581	67.210 ug/ml
13) T Pyrene (C20.8)	12.567	10147707	65.869 ug/ml
14) T Benzo[a]anthracene (C...	14.437	9644699	73.405 ug/ml
15) T Chrysene (C27.41)	14.480	9454131	58.472 ug/ml
16) T benzo[b]fluoranthene ...	15.988	9628743	69.979 ug/ml
17) T Bnezo[k]fluoranthene ...	16.022	9681524	61.298 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.364	9238467	68.062 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.734	8949996	81.902 ug/ml
20) T Dibenz[a,h]anthracene...	17.767	9240484	59.562 ug/ml
21) T Benzo[g,h,i]perylene ...	17.985	9127178	62.967 ug/ml

(f)=RT Delta > 1/2 Window

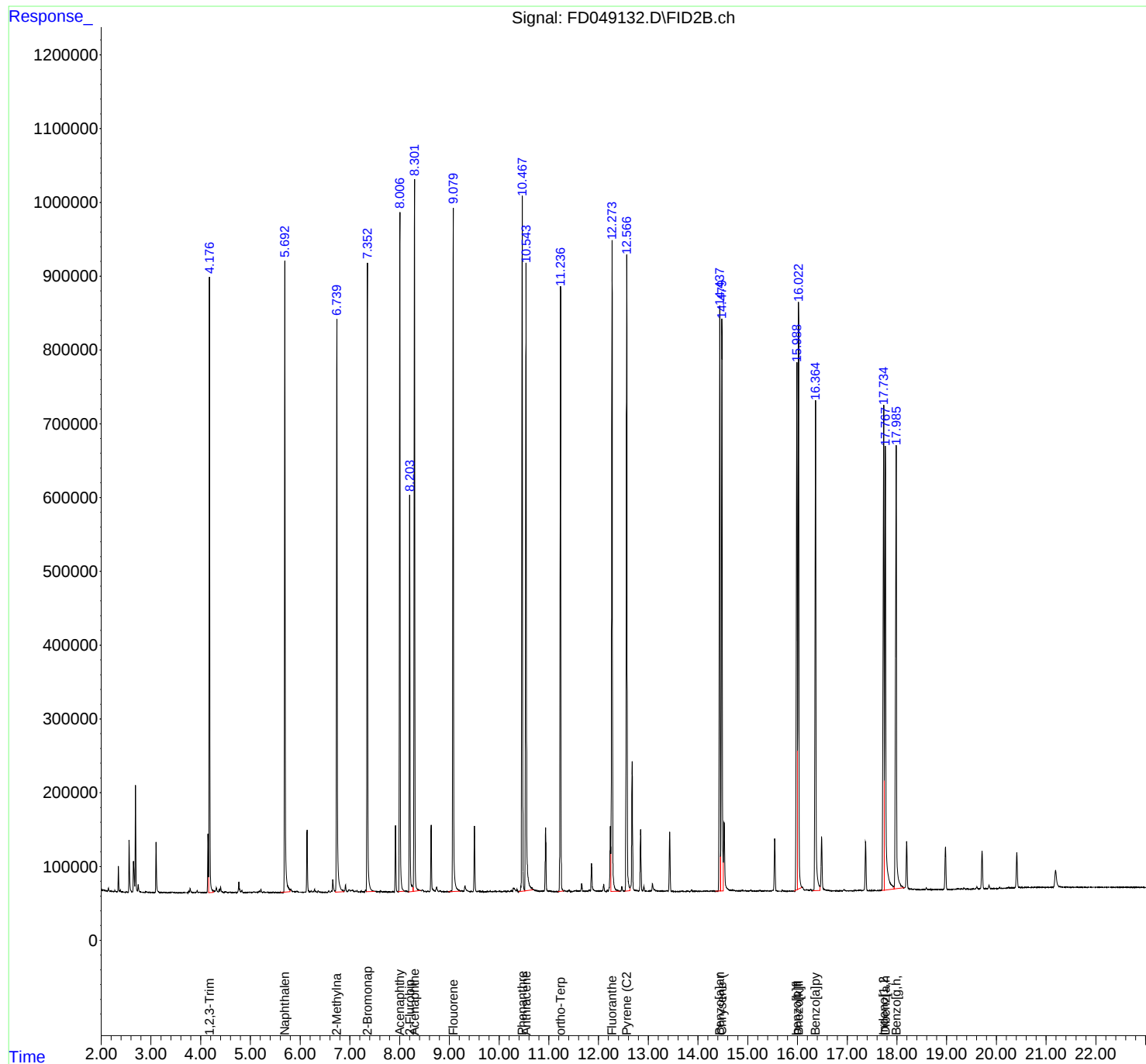
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049132.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 12:13
Operator : YP/AJ
Sample : PB166923BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166923BSD

Integration File: autoint1.e
Quant Time: Mar 01 02:17:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 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\FD022825AR\
 Data File : FD049132.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 12:13
 Sample : PB166923BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.177	4.160	4.254	VV	833763	7363423	71.00%	3.859%
2	5.693	5.614	5.796	BV	854382	8299718	80.02%	4.350%
3	6.739	6.710	6.882	VV	774369	8179915	78.87%	4.287%
4	7.352	7.328	7.502	VV	850747	8444315	81.42%	4.426%
5	8.006	7.960	8.097	BV	918197	9241947	89.11%	4.844%
6	8.203	8.174	8.272	BV	537561	5539761	53.41%	2.903%
7	8.301	8.272	8.420	VB	960907	9806969	94.56%	5.140%
8	9.079	8.979	9.222	BV	923928	9794107	94.43%	5.133%
9	10.467	10.394	10.515	PV	942889	9953645	95.97%	5.217%
10	10.543	10.515	10.685	VV	852864	10019118	96.60%	5.251%
11	11.237	11.182	11.305	BV	818909	8675284	83.64%	4.547%
12	12.273	12.248	12.427	VB	878971	10371581	100.00%	5.436%
13	12.567	12.525	12.631	BV	861958	10147707	97.84%	5.318%
14	14.437	14.350	14.455	BV	792508	9644699	92.99%	5.055%
15	14.480	14.455	14.507	VV	775232	9454131	91.15%	4.955%
16	15.988	15.930	16.001	BV	716576	9628743	92.84%	5.046%
17	16.022	16.001	16.089	VV	793985	9681524	93.35%	5.074%
18	16.364	16.310	16.457	BV	664714	9238467	89.07%	4.842%
19	17.734	17.692	17.746	BV	656393	8949996	86.29%	4.691%
20	17.767	17.746	17.944	VV	600565	9240484	89.09%	4.843%
21	17.985	17.944	18.144	VV	600259	9127178	88.00%	4.784%
Sum of corrected areas:						190802711		

Aromatic EPH 021125.M Sat Mar 01 03:55:20 2025

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166923BSD	SDG No.:	Q1422
Lab Sample ID:	PB166923BSD	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
02/27/25 13:10	02/28/25 12:13	PB166923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	6.56		1	0.38	1.00	mg/kg FC068324.D
Aliphatic C12-C16	Aliphatic C12-C16	5.75		1	0.24	0.67	mg/kg FC068324.D
Aliphatic C16-C21	Aliphatic C16-C21	9.54		1	0.30	1.00	mg/kg FC068324.D
Aliphatic C21-C28	Aliphatic C21-C28	12.9		1	0.80	1.33	mg/kg FC068324.D
Aliphatic C28-C40	Aliphatic C28-C40	21.4		1	1.80	2.00	mg/kg FC068324.D
Aromatic C10-C12	Aromatic C10-C12	6.56		1	0.30	0.67	mg/kg FD049132.D
Aromatic C12-C16	Aromatic C12-C16	11.3		1	0.34	1.00	mg/kg FD049132.D
Aromatic C16-C21	Aromatic C16-C21	21.8		1	0.96	1.67	mg/kg FD049132.D
Aromatic C21-C36	Aromatic C21-C36	34.9		1	2.00	2.66	mg/kg FD049132.D
Total AliphaticEPH	Total AliphaticEPH	56.1			3.52	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	74.6			3.60	6.00	mg/kg
Total EPH	Total EPH	131			7.12	12.0	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166923BSD	SDG No.:	Q1422
Lab Sample ID:	PB166923BSD	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
FC068324.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.56		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.75		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.54		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.9		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.4		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.7		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB166923BSD	Acq On:	28 Feb 2025 12:13
Client Sample ID:	PB166923BSD	Operator:	YP/AJ
Data file:	FC068324.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	3.104	6.369	13889956	98.486	300	ug/ml
Aliphatic C12-C16	6.370	9.754	11796061	86.32	200	ug/ml
Aliphatic C16-C21	9.755	13.107	18839655	143.125	300	ug/ml
Aliphatic C21-C28	13.108	16.761	23724700	193.369	400	ug/ml
Aliphatic C28-C40	16.762	21.565	33036052	321.217	600	ug/ml
Aliphatic EPH	3.104	21.565	101286424	842.517		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.840	12.840	4356774	38.74		ug/ml
Aliphatic C9-C28	3.104	16.761	68250372	521.3	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068324.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 12:13
 Operator : YP/AJ
 Sample : PB166923BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 PB166923BSD

Integration File: autoint1.e
 Quant Time: Mar 05 05:23:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 05 03:08:52 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...	12.840	4356774	38.736 ug/ml
Spiked Amount 50.000		Recovery =	77.47%
Target Compounds			
1) T n-Nonane (C9)	3.205	3794951	26.976 ug/ml
2) T n-Decane (C10)	4.262	4712176	33.261 ug/ml
4) T n-Dodecane (C12)	6.270	5382829	38.242 ug/ml
6) T n-Tetradecane (C14)	8.059	5779518	42.389 ug/ml
7) T n-Hexadecane (C16)	9.655	6016543	43.927 ug/ml
8) T n-Octadecane (C18)	11.093	6243297	45.652 ug/ml
10) T n-Eicosane (C20)	12.399	6441586	49.442 ug/ml
11) T n-Heneicosane (C21)	13.010	6154772	48.142 ug/ml
13) T n-Docosane (C22)	13.595	6104328	48.436 ug/ml
14) T n-Tetracosane (C24)	14.697	5990514	48.164 ug/ml
15) T n-Hexacosane (C26)	15.715	5861152	48.203 ug/ml
16) T n-Octacosane (C28)	16.664	5725382	48.207 ug/ml
17) T n-Tricontane (C30)	17.551	5737111	47.664 ug/ml
18) T n-Dotriacontane (C32)	18.381	5715622	49.244 ug/ml
19) T n-Tetratriacontane (C34)	19.163	5668029	52.453 ug/ml
20) T n-Hexatriacontane (C36)	19.902	5431820	56.482 ug/ml
21) T n-Octatriacontane (C38)	20.616	5265474	58.572 ug/ml
22) T n-Tetracontane (C40)	21.470	5078129	58.693 ug/ml

(f)=RT Delta > 1/2 Window

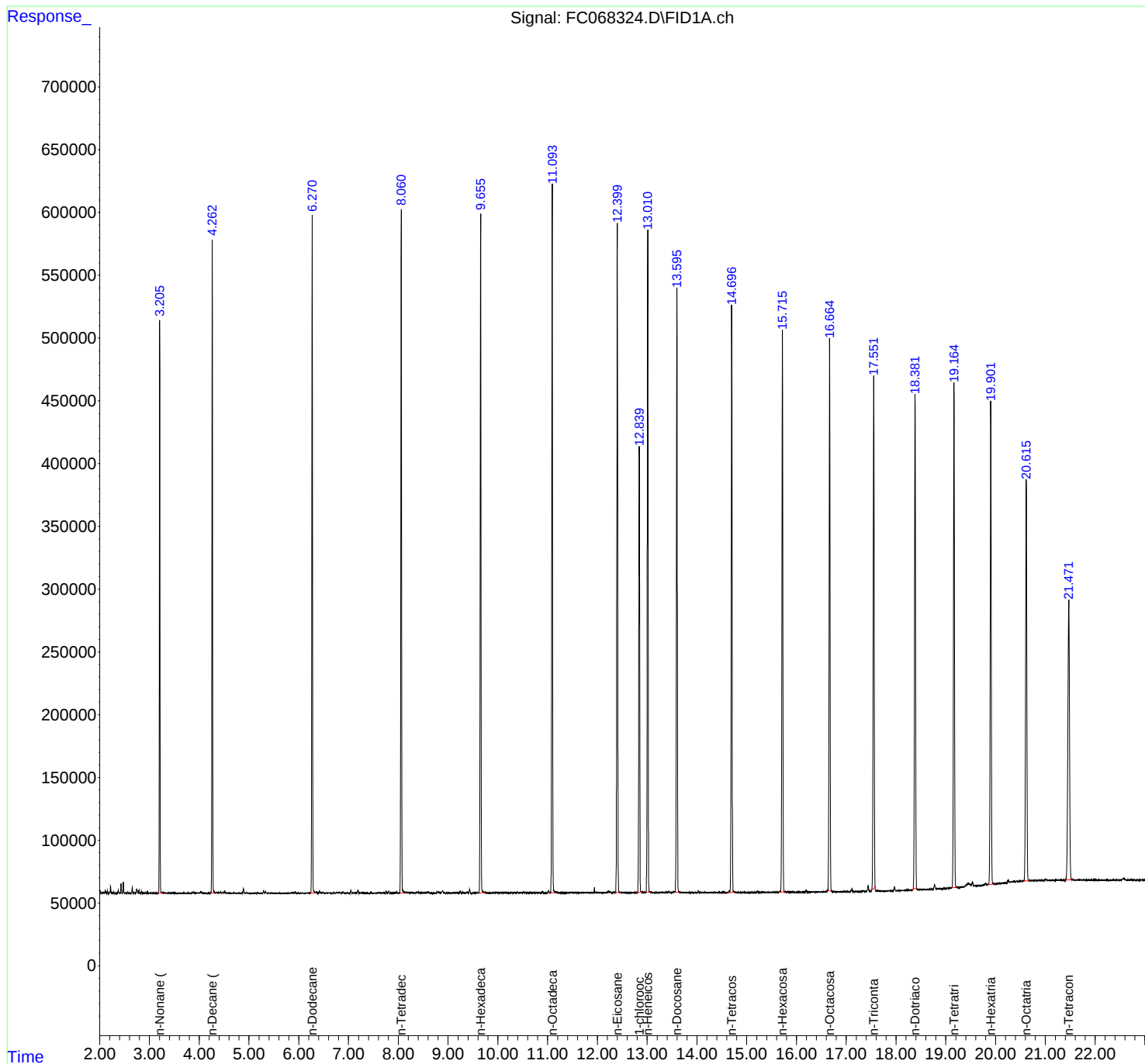
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068324.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 12:13
Operator : YP/AJ
Sample : PB166923BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166923BSD

Integration File: autoint1.e
Quant Time: Mar 05 05:23:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068324.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 12:13
 Sample : PB166923BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	3.205	3.168	3.268	BB	454324	3794951	58.91%	3.592%
2	4.262	4.231	4.325	BB	517887	4712176	73.15%	4.460%
3	6.270	6.231	6.338	BB	544816	5382829	83.56%	5.095%
4	8.059	8.028	8.128	BB	537206	5779518	89.72%	5.471%
5	9.655	9.615	9.731	BB	535033	6016543	93.40%	5.695%
6	11.093	11.051	11.165	BB	558187	6243297	96.92%	5.910%
7	12.399	12.358	12.451	BB	523836	6441586	100.00%	6.097%
8	12.840	12.778	12.898	BB	356315	4356774	67.64%	4.124%
9	13.010	12.968	13.071	BB	522913	6154772	95.55%	5.826%
10	13.595	13.558	13.658	BB	481011	6104328	94.76%	5.778%
11	14.697	14.618	14.758	BB	467416	5990514	93.00%	5.671%
12	15.715	15.648	15.775	BB	442423	5861152	90.99%	5.548%
13	16.664	16.598	16.728	BB	439005	5768706	89.55%	5.461%
14	17.551	17.491	17.608	BB	410276	5827258	90.46%	5.516%
15	18.381	18.315	18.445	BB	395852	5765342	89.50%	5.457%
16	19.163	19.121	19.221	BB	404106	5668029	87.99%	5.365%
17	19.902	19.851	19.968	BB	380790	5431820	84.32%	5.142%
18	20.616	20.551	20.675	BB	316762	5265474	81.74%	4.984%
19	21.470	21.391	21.555	BB	222869	5078129	78.83%	4.807%
Sum of corrected areas:						105643198		

Aliphatic EPH 021125.M Sat Mar 01 01:23:32 2025

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/24/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MS	SDG No.:	Q1422
Lab Sample ID:	Q1421-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049142.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.80		0.43	0.95	mg/kg
Aromatic C12-C16	Aromatic C12-C16	17.2		0.48	1.42	mg/kg
Aromatic C16-C21	Aromatic C16-C21	35.7		1.36	2.37	mg/kg
Aromatic C21-C36	Aromatic C21-C36	57.2		2.84	3.78	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	59.0		40 - 140	118%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	62.2		40 - 140	124%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.3		40 - 140	67%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1421-02	Acq On:	28 Feb 2025 18:56
Client Sample ID:	P001-CLAY-CF01-01MS	Operator:	YP/AJ
Data file:	FD049142.D	Misc:	
Instrument:	FID_D	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	16467986	103.559	200	ug/ml
Aromatic C12-C16	5.795	8.396	29311275	182.13	300	ug/ml
Aromatic C16-C21	8.397	12.661	57903456	377.567	500	ug/ml
Aromatic C21-C36	12.662	18.073	86473438	604.224	800	ug/ml
Aromatic EPH	4.076	18.073	190156155	1270		ug/ml
2-Bromonaphthalene (SURRE)	7.352	7.352	8441841	58.99		ug/ml
2-Fluorobiphenyl (SURRE)	8.203	8.203	5467908	62.2		ug/ml
ortho-Terphenyl (SURRE)	11.234	11.234	5392113	33.33		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049142.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 18:56
 Operator : YP/AJ
 Sample : Q1421-02
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 P001-CLAY-CF01-01MS

Integration File: autoint1.e
 Quant Time: Mar 01 02:21:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.352	8441841	58.989 ug/ml
Spiked Amount 50.000		Recovery =	117.98%
6) S 2-Fluorobiphenyl (SURR)	8.203	5467908	62.198 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	124.40%
11) S ortho-Terphenyl (SURR)	11.234	5392113	33.331 ug/ml
Spiked Amount 50.000		Recovery =	66.66%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.176	7161833	44.971 ug/ml
2) T Naphthalene (C11.7)	5.693	7880512	49.629 ug/ml
3) T 2-Methylnaphthalene (...)	6.739	7723846	49.609 ug/ml
5) T Acenaphthylene (C15.06)	8.005	9044713	55.624 ug/ml
7) T Acenaphthene (C15.5)	8.300	9678387	58.832 ug/ml
8) T Fluorene (C16.55)	9.079	9845850	62.454 ug/ml
9) T Phenanthrene (C19.36)	10.468	10158364	67.407 ug/ml
10) T Anthracene (C19.43)	10.543	10371977	68.676 ug/ml
12) T Fluoranthene (C21.85)	12.273	10603708	68.715 ug/ml
13) T Pyrene (C20.8)	12.566	10302701	66.875 ug/ml
14) T Benzo[a]anthracene (C...	14.438	9819357	74.734 ug/ml
15) T Chrysene (C27.41)	14.480	9593320	59.333 ug/ml
16) T benzo[b]fluoranthene ...	15.988	9767406	70.987 ug/ml
17) T Bnezo[k]fluoranthene ...	16.023	9783217	61.942 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.364	9405556	69.293 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.734	9336608	85.440 ug/ml
20) T Dibenz[a,h]anthracene...	17.769	9340051	60.204 ug/ml
21) T Benzo[g,h,i]perylene ...	17.986	9206882	63.517 ug/ml

(f)=RT Delta > 1/2 Window

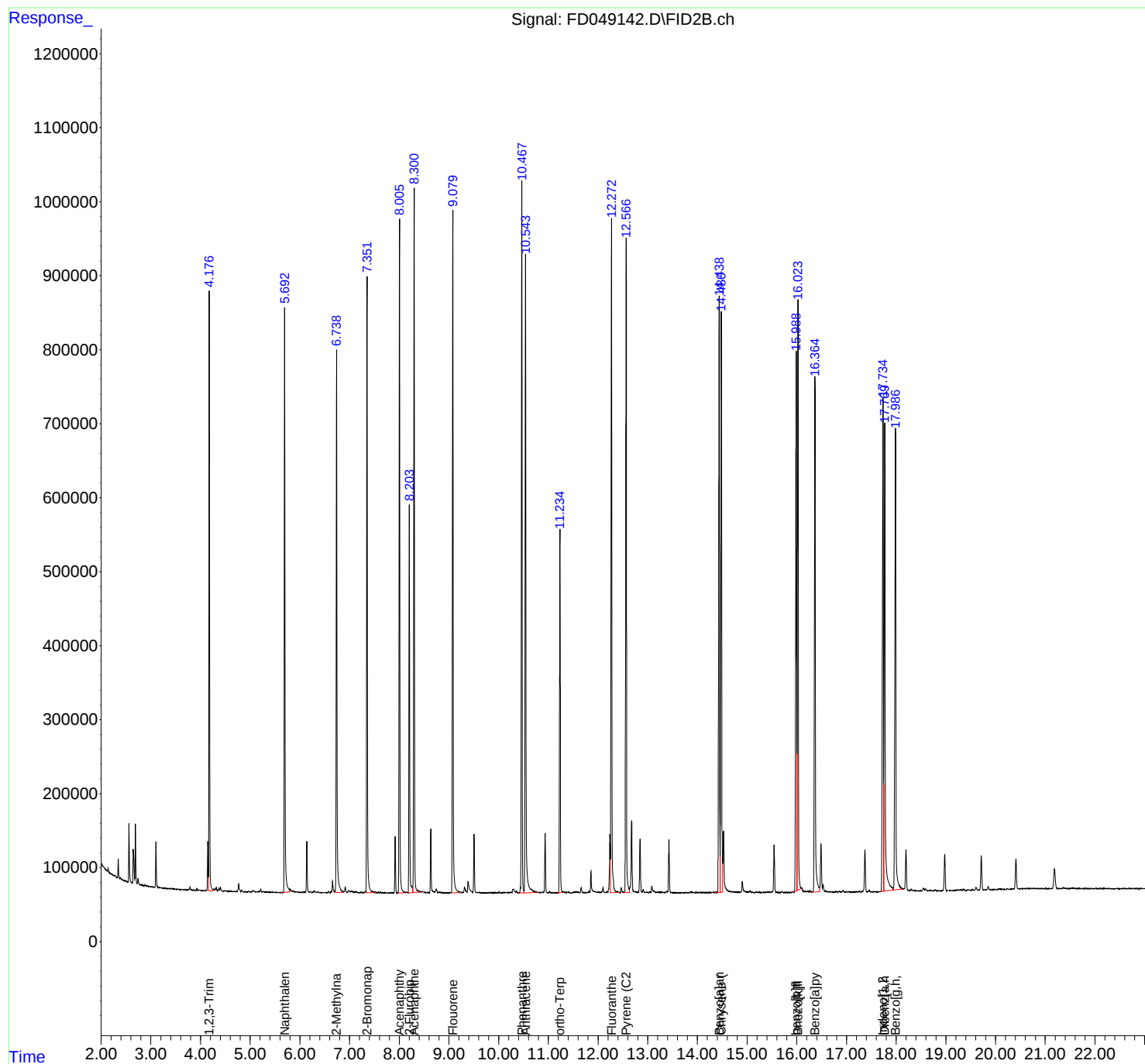
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049142.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 18:56
Operator : YP/AJ
Sample : Q1421-02
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
P001-CLAY-CF01-01MS

Integration File: autoint1.e
Quant Time: Mar 01 02:21:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 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\FD022825AR\
 Data File : FD049142.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 18:56
 Sample : Q1421-02
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.051	4.042	4.074	BV	200	1949	0.02%	0.001%
2	4.097	4.086	4.101	VV	287	1757	0.02%	0.001%
3	4.106	4.101	4.125	VV	245	2635	0.02%	0.001%
4	4.147	4.125	4.159	VV	66954	606704	5.69%	0.288%
5	4.176	4.159	4.249	VV	809194	7172085	67.25%	3.409%
6	4.264	4.249	4.283	VV	2629	44609	0.42%	0.021%
7	4.316	4.283	4.355	VV	4818	102157	0.96%	0.049%
8	4.372	4.355	4.386	VV	3899	44061	0.41%	0.021%
9	4.402	4.386	4.451	VV	5595	77864	0.73%	0.037%
10	4.461	4.451	4.466	VV	476	3666	0.03%	0.002%
11	4.473	4.466	4.479	VV	549	3174	0.03%	0.002%
12	4.489	4.479	4.505	VV	815	9833	0.09%	0.005%
13	4.515	4.505	4.537	VV	940	10614	0.10%	0.005%
14	4.544	4.537	4.550	VV	343	2200	0.02%	0.001%
15	4.554	4.550	4.570	VV	319	3383	0.03%	0.002%
16	4.582	4.570	4.596	VV	709	7747	0.07%	0.004%
17	4.601	4.596	4.629	VV	492	6562	0.06%	0.003%
18	4.632	4.629	4.644	VV	227	1270	0.01%	0.001%
19	4.689	4.644	4.704	PV	686	10067	0.09%	0.005%
20	4.708	4.704	4.724	VV	421	4004	0.04%	0.002%
21	4.769	4.724	4.814	VV	10740	161309	1.51%	0.077%
22	4.828	4.814	4.879	VV	2485	35628	0.33%	0.017%
23	4.884	4.879	4.893	VV	296	1516	0.01%	0.001%
24	4.902	4.893	4.918	VV	372	3335	0.03%	0.002%
25	4.933	4.918	4.947	VV	401	4801	0.05%	0.002%
26	4.966	4.947	5.015	VV	658	12165	0.11%	0.006%
27	5.048	5.015	5.110	VV	1751	54701	0.51%	0.026%
28	5.118	5.110	5.124	VV	639	5121	0.05%	0.002%
29	5.137	5.124	5.159	VV	830	11050	0.10%	0.005%
30	5.178	5.159	5.195	VV	1661	23212	0.22%	0.011%
31	5.211	5.195	5.254	VV	3925	52356	0.49%	0.025%
32	5.270	5.254	5.324	VV	1122	20499	0.19%	0.010%
33	5.337	5.324	5.349	VV	519	6461	0.06%	0.003%
34	5.353	5.349	5.376	VV	487	4742	0.04%	0.002%
35	5.383	5.376	5.392	VV	292	1658	0.02%	0.001%
36	5.416	5.407	5.422	VV	300	1542	0.01%	0.001%

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37	5.459	5.442	5.504	VV	623	9027	0.08%	0.004%
38	5.518	5.504	5.538	PV	410	5182	0.05%	0.002%
39	5.549	5.538	5.559	VV	189	1550	0.01%	0.001%
40	5.565	5.559	5.603	PV	240	3982	0.04%	0.002%
41	5.612	5.603	5.619	VV	211	1351	0.01%	0.001%
42	5.631	5.624	5.642	VV	181	1272	0.01%	0.001%
43	5.693	5.668	5.797	VV	793145	7931134	74.36%	3.770%
44	5.811	5.797	5.854	VV	4295	93483	0.88%	0.044%
45	5.869	5.854	5.909	VV	2478	48819	0.46%	0.023%
46	5.935	5.909	5.989	VV	1373	40532	0.38%	0.019%
47	6.002	5.989	6.017	VV	597	7544	0.07%	0.004%
48	6.023	6.017	6.045	VV	453	5914	0.06%	0.003%
49	6.063	6.045	6.105	VV	735	19006	0.18%	0.009%
50	6.112	6.105	6.117	VV	542	3388	0.03%	0.002%
51	6.140	6.117	6.200	VV	69527	744439	6.98%	0.354%
52	6.221	6.200	6.242	VV	1744	23671	0.22%	0.011%
53	6.261	6.242	6.275	VV	1241	13623	0.13%	0.006%
54	6.291	6.275	6.310	VV	3148	36237	0.34%	0.017%
55	6.322	6.310	6.345	VV	898	11995	0.11%	0.006%
56	6.362	6.345	6.392	VV	1662	18852	0.18%	0.009%
57	6.399	6.392	6.407	VV	246	1640	0.02%	0.001%
58	6.412	6.407	6.436	VV	249	2069	0.02%	0.001%
59	6.471	6.436	6.494	PV	335	6665	0.06%	0.003%
60	6.506	6.494	6.510	VV	295	1869	0.02%	0.001%
61	6.515	6.510	6.539	VV	325	3837	0.04%	0.002%
62	6.577	6.547	6.601	VV	1688	20132	0.19%	0.010%
63	6.631	6.601	6.642	VV	1678	22082	0.21%	0.010%
64	6.658	6.642	6.694	VV	16123	203178	1.91%	0.097%
65	6.702	6.694	6.710	VV	2044	17501	0.16%	0.008%
66	6.739	6.710	6.873	VV	733466	7782063	72.97%	3.699%
67	6.879	6.873	6.886	VV	1511	11215	0.11%	0.005%
68	6.913	6.886	6.957	VV	8088	122141	1.15%	0.058%
69	6.989	6.957	7.010	VV	3353	71321	0.67%	0.034%
70	7.024	7.010	7.030	VV	2196	23196	0.22%	0.011%
71	7.041	7.030	7.052	VV	2222	26499	0.25%	0.013%
72	7.059	7.052	7.081	VV	2270	28270	0.27%	0.013%
73	7.088	7.081	7.094	VV	1071	6659	0.06%	0.003%
74	7.115	7.094	7.132	VV	1781	27765	0.26%	0.013%
75	7.145	7.132	7.170	VV	1979	26742	0.25%	0.013%
76	7.174	7.170	7.180	VV	411	2111	0.02%	0.001%
77	7.185	7.180	7.209	VV	561	6818	0.06%	0.003%
78	7.230	7.209	7.247	VV	1002	14943	0.14%	0.007%
79	7.253	7.247	7.292	VV	587	10829	0.10%	0.005%
80	7.315	7.292	7.327	VV	2494	27722	0.26%	0.013%
81	7.352	7.327	7.477	VV	832219	8468199	79.40%	4.025%
82	7.480	7.477	7.497	VV	1490	15443	0.14%	0.007%
83	7.510	7.497	7.530	VV	1172	19450	0.18%	0.009%
84	7.538	7.530	7.562	VV	805	12286	0.12%	0.006%
85	7.579	7.562	7.604	VV	862	14891	0.14%	0.007%
86	7.623	7.604	7.649	VV	1713	22247	0.21%	0.011%
87	7.656	7.649	7.665	VV	377	2873	0.03%	0.001%
88	7.677	7.665	7.692	VV	562	5658	0.05%	0.003%
89	7.710	7.692	7.737	VV	743	11487	0.11%	0.005%

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90	7.747	7.737	7.770	VV	346	4571	0.04%	0.002%
91	7.775	7.770	7.794	VV	370	2870	0.03%	0.001%
92	7.830	7.794	7.841	PV	493	7795	0.07%	0.004%
93	7.845	7.841	7.849	VV	322	1291	0.01%	0.001%
94	7.853	7.849	7.866	VV	272	2010	0.02%	0.001%
95	7.874	7.866	7.890	VV	319	2466	0.02%	0.001%
96	7.918	7.890	7.966	VV	76664	801713	7.52%	0.381%
97	7.972	7.966	7.978	VV	522	2714	0.03%	0.001%
98	8.005	7.978	8.095	VV	911037	9055813	84.91%	4.304%
99	8.114	8.095	8.133	VV	1822	31019	0.29%	0.015%
100	8.147	8.133	8.173	VV	1454	22842	0.21%	0.011%
101	8.203	8.173	8.272	VV	526994	5494210	51.51%	2.612%
102	8.300	8.272	8.367	VV	953439	9682877	90.79%	4.603%
103	8.375	8.367	8.398	VV	3452	54189	0.51%	0.026%
104	8.409	8.398	8.421	VV	2278	28942	0.27%	0.014%
105	8.426	8.421	8.439	VV	2045	19416	0.18%	0.009%
106	8.458	8.439	8.498	VV	2637	62203	0.58%	0.030%
107	8.514	8.498	8.545	VV	1431	24037	0.23%	0.011%
108	8.569	8.545	8.600	VV	1240	25005	0.23%	0.012%
109	8.635	8.600	8.713	VV	86818	934105	8.76%	0.444%
110	8.746	8.713	8.787	VV	5720	112882	1.06%	0.054%
111	8.820	8.787	8.850	VV	1900	37177	0.35%	0.018%
112	8.870	8.850	8.901	VV	879	12718	0.12%	0.006%
113	8.945	8.901	8.952	VV	570	10933	0.10%	0.005%
114	8.957	8.952	8.962	VV	501	2561	0.02%	0.001%
115	8.977	8.962	8.993	VV	555	6632	0.06%	0.003%
116	9.018	8.993	9.030	PV	873	10350	0.10%	0.005%
117	9.033	9.030	9.052	VV	664	6407	0.06%	0.003%
118	9.079	9.052	9.218	VV	919552	9905080	92.87%	4.708%
119	9.238	9.218	9.257	VV	1598	29835	0.28%	0.014%
120	9.262	9.257	9.274	VV	878	7981	0.07%	0.004%
121	9.314	9.274	9.369	VV	8290	185349	1.74%	0.088%
122	9.385	9.369	9.480	VV	15834	371651	3.48%	0.177%
123	9.506	9.480	9.558	VV	79885	884992	8.30%	0.421%
124	9.592	9.558	9.635	VV	994	34197	0.32%	0.016%
125	9.655	9.635	9.670	VV	484	7859	0.07%	0.004%
126	9.686	9.670	9.714	VV	420	6043	0.06%	0.003%
127	9.762	9.714	9.769	PV	438	4785	0.04%	0.002%
128	9.777	9.769	9.790	VV	456	4352	0.04%	0.002%
129	9.822	9.790	9.843	VV	1018	17425	0.16%	0.008%
130	9.858	9.843	9.867	VV	473	5264	0.05%	0.003%
131	9.882	9.867	9.888	VV	601	6706	0.06%	0.003%
132	9.894	9.888	9.919	VV	854	11228	0.11%	0.005%
133	9.934	9.919	9.957	VV	927	14006	0.13%	0.007%
134	9.967	9.957	9.974	VV	591	4945	0.05%	0.002%
135	9.978	9.974	9.990	VV	561	4749	0.04%	0.002%
136	10.010	9.990	10.042	VV	1696	22351	0.21%	0.011%
137	10.051	10.042	10.057	VV	344	1640	0.02%	0.001%
138	10.101	10.057	10.114	VV	1033	17019	0.16%	0.008%
139	10.131	10.114	10.157	VV	859	14601	0.14%	0.007%
140	10.182	10.157	10.204	VV	920	16808	0.16%	0.008%
141	10.237	10.204	10.248	VV	1208	19381	0.18%	0.009%

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142	10.253	10.248	10.271	VV	1291	12598	0.12%	0.006%
143	10.288	10.271	10.297	VV	5325	57446	0.54%	0.027%
144	10.301	10.297	10.344	VV	5071	85103	0.80%	0.040%
145	10.363	10.344	10.394	VV	2702	42527	0.40%	0.020%
146	10.402	10.394	10.415	VV	453	4799	0.04%	0.002%
147	10.468	10.415	10.513	VV	959109	10175341	95.41%	4.837%
148	10.543	10.513	10.650	VV	865227	10276064	96.35%	4.884%
149	10.655	10.650	10.783	VV	5325	192747	1.81%	0.092%
150	10.801	10.783	10.808	VV	960	13324	0.12%	0.006%
151	10.815	10.808	10.840	VV	921	14729	0.14%	0.007%
152	10.846	10.840	10.853	VV	680	4871	0.05%	0.002%
153	10.874	10.853	10.888	VV	1240	21058	0.20%	0.010%
154	10.892	10.888	10.906	VV	1241	12913	0.12%	0.006%
155	10.937	10.906	10.978	VV	80624	916417	8.59%	0.436%
156	10.987	10.978	10.995	VV	935	8441	0.08%	0.004%
157	11.027	10.995	11.055	VV	1374	32725	0.31%	0.016%
158	11.061	11.055	11.082	VV	517	6492	0.06%	0.003%
159	11.084	11.082	11.089	VV	468	1545	0.01%	0.001%
160	11.091	11.089	11.097	VV	452	1825	0.02%	0.001%
161	11.101	11.097	11.105	VV	283	1124	0.01%	0.001%
162	11.122	11.105	11.127	VV	450	3943	0.04%	0.002%
163	11.146	11.127	11.152	VV	468	5580	0.05%	0.003%
164	11.157	11.152	11.202	VV	450	5023	0.05%	0.002%
165	11.234	11.202	11.308	PV	491209	5436431	50.97%	2.584%
166	11.320	11.308	11.335	VV	1361	18120	0.17%	0.009%
167	11.338	11.335	11.363	VV	856	12192	0.11%	0.006%
168	11.375	11.363	11.385	VV	1117	11249	0.11%	0.005%
169	11.407	11.385	11.444	VV	1757	28183	0.26%	0.013%
170	11.461	11.444	11.481	VV	369	5860	0.05%	0.003%
171	11.510	11.481	11.522	VV	1254	22960	0.22%	0.011%
172	11.532	11.522	11.549	VV	1360	17580	0.16%	0.008%
173	11.561	11.549	11.577	VV	1365	19769	0.19%	0.009%
174	11.593	11.577	11.615	VV	1474	25919	0.24%	0.012%
175	11.618	11.615	11.625	VV	818	4558	0.04%	0.002%
176	11.629	11.625	11.635	VV	904	4702	0.04%	0.002%
177	11.662	11.635	11.696	VV	7388	104342	0.98%	0.050%
178	11.702	11.696	11.718	VV	752	7375	0.07%	0.004%
179	11.737	11.718	11.750	VV	887	14523	0.14%	0.007%
180	11.760	11.750	11.775	VV	894	9693	0.09%	0.005%
181	11.815	11.775	11.836	VV	2082	42497	0.40%	0.020%
182	11.857	11.836	11.923	VV	28885	405403	3.80%	0.193%
183	11.932	11.923	11.959	VV	1958	32662	0.31%	0.016%
184	11.976	11.959	11.993	VV	1482	25899	0.24%	0.012%
185	12.015	11.993	12.040	VV	1390	29080	0.27%	0.014%
186	12.103	12.040	12.135	VV	7321	134707	1.26%	0.064%
187	12.144	12.135	12.158	VV	828	9196	0.09%	0.004%
188	12.178	12.158	12.197	VV	2181	30313	0.28%	0.014%
189	12.239	12.197	12.248	VV	79220	875296	8.21%	0.416%
190	12.273	12.248	12.427	VV	912682	10665336	100.00%	5.070%
191	12.436	12.427	12.450	VV	817	9715	0.09%	0.005%
192	12.467	12.450	12.507	VV	7234	99938	0.94%	0.048%
193	12.513	12.507	12.527	VV	893	8905	0.08%	0.004%
194	12.566	12.527	12.630	VV	887669	10352709	97.07%	4.921%

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195	12.647	12.630	12.651	VV	8220	86525	0.81%	0.041%
196	12.676	12.651	12.724	VV	97675	1268327	11.89%	0.603%
197	12.726	12.724	12.778	VV	2129	48686	0.46%	0.023%
198	12.783	12.778	12.791	VV	1161	8032	0.08%	0.004%
199	12.801	12.791	12.807	VV	988	8990	0.08%	0.004%
200	12.812	12.807	12.817	VV	948	5699	0.05%	0.003%
201	12.846	12.817	12.887	VV	72685	878950	8.24%	0.418%
202	12.910	12.887	12.944	VV	4655	74190	0.70%	0.035%
203	12.965	12.944	12.972	VV	860	12682	0.12%	0.006%
204	12.989	12.972	13.017	VV	921	20436	0.19%	0.010%
205	13.038	13.017	13.065	VV	1218	27663	0.26%	0.013%
206	13.084	13.065	13.170	VV	9050	195629	1.83%	0.093%
207	13.175	13.170	13.193	VV	1156	13485	0.13%	0.006%
208	13.200	13.193	13.210	VV	910	8136	0.08%	0.004%
209	13.224	13.210	13.229	VV	909	8915	0.08%	0.004%
210	13.235	13.229	13.243	VV	806	6098	0.06%	0.003%
211	13.262	13.243	13.284	VV	975	20576	0.19%	0.010%
212	13.296	13.284	13.324	VV	1002	17856	0.17%	0.008%
213	13.327	13.324	13.349	VV	652	8655	0.08%	0.004%
214	13.384	13.349	13.402	VV	2352	44085	0.41%	0.021%
215	13.428	13.402	13.475	VV	71602	872259	8.18%	0.415%
216	13.479	13.475	13.482	VV	640	2234	0.02%	0.001%
217	13.487	13.482	13.512	VV	631	7759	0.07%	0.004%
218	13.535	13.512	13.544	VV	483	5924	0.06%	0.003%
219	13.548	13.544	13.577	VV	297	4546	0.04%	0.002%
220	13.580	13.577	13.594	VV	195	1378	0.01%	0.001%
221	13.597	13.594	13.617	VV	126	1127	0.01%	0.001%
222	13.621	13.617	13.636	PV	156	1184	0.01%	0.001%
223	13.642	13.636	13.655	VV	295	2314	0.02%	0.001%
224	13.657	13.655	13.667	VV	320	1227	0.01%	0.001%
225	13.688	13.667	13.707	VV	385	6584	0.06%	0.003%
226	13.713	13.707	13.720	VV	375	2065	0.02%	0.001%
227	13.760	13.720	13.776	VV	463	9273	0.09%	0.004%
228	13.788	13.776	13.796	VV	381	2968	0.03%	0.001%
229	13.801	13.796	13.807	VV	365	1749	0.02%	0.001%
230	13.811	13.807	13.815	VV	367	1539	0.01%	0.001%
231	13.826	13.815	13.837	VV	587	6565	0.06%	0.003%
232	13.869	13.837	13.902	VV	1878	36177	0.34%	0.017%
233	13.908	13.902	13.915	VV	485	3250	0.03%	0.002%
234	13.919	13.915	13.934	VV	438	3758	0.04%	0.002%
235	13.940	13.934	14.012	VV	382	17155	0.16%	0.008%
236	14.033	14.012	14.052	VV	432	7333	0.07%	0.003%
237	14.067	14.052	14.078	VV	447	5509	0.05%	0.003%
238	14.085	14.078	14.105	VV	619	7334	0.07%	0.003%
239	14.111	14.105	14.117	VV	559	3365	0.03%	0.002%
240	14.132	14.117	14.137	VV	690	6708	0.06%	0.003%
241	14.156	14.137	14.164	VV	674	8016	0.08%	0.004%
242	14.167	14.164	14.173	VV	406	1856	0.02%	0.001%
243	14.194	14.173	14.214	VV	474	9586	0.09%	0.005%
244	14.222	14.214	14.229	VV	520	3538	0.03%	0.002%
245	14.235	14.229	14.239	VV	416	2379	0.02%	0.001%
246	14.243	14.239	14.262	VV	488	4644	0.04%	0.002%

					rteres			
247	14.287	14.262	14.294	VV	690	8547	0.08%	0.004%
248	14.300	14.294	14.309	VV	727	5752	0.05%	0.003%
249	14.315	14.309	14.321	VV	704	4011	0.04%	0.002%
250	14.326	14.321	14.332	VV	663	3639	0.03%	0.002%
251	14.338	14.332	14.359	VV	805	7951	0.07%	0.004%
252	14.374	14.359	14.379	VV	710	6675	0.06%	0.003%
253	14.382	14.379	14.402	VV	625	6411	0.06%	0.003%
254	14.438	14.402	14.456	VV	807419	9837573	92.24%	4.676%
255	14.480	14.456	14.507	VV	786236	9615926	90.16%	4.571%
256	14.525	14.507	14.674	VV	83192	1533940	14.38%	0.729%
257	14.698	14.674	14.727	VV	1824	47432	0.44%	0.023%
258	14.738	14.727	14.770	VV	1205	24157	0.23%	0.011%
259	14.773	14.770	14.790	VV	780	8300	0.08%	0.004%
260	14.807	14.790	14.817	VV	777	10555	0.10%	0.005%
261	14.834	14.817	14.843	VV	972	10798	0.10%	0.005%
262	14.849	14.843	14.863	VV	677	7364	0.07%	0.004%
263	14.903	14.863	14.970	VV	15235	283632	2.66%	0.135%
264	14.976	14.970	14.982	VV	1372	9086	0.09%	0.004%
265	14.990	14.982	15.016	VV	1529	22470	0.21%	0.011%
266	15.029	15.016	15.035	VV	942	9881	0.09%	0.005%
267	15.060	15.035	15.090	VV	2621	46533	0.44%	0.022%
268	15.105	15.090	15.122	VV	761	10668	0.10%	0.005%
269	15.125	15.122	15.156	VV	516	8200	0.08%	0.004%
270	15.169	15.156	15.175	VV	577	5206	0.05%	0.002%
271	15.178	15.175	15.202	VV	550	7725	0.07%	0.004%
272	15.208	15.202	15.214	VV	633	3812	0.04%	0.002%
273	15.242	15.214	15.257	VV	1191	20756	0.19%	0.010%
274	15.261	15.257	15.288	VV	705	8332	0.08%	0.004%
275	15.293	15.288	15.297	VV	285	1513	0.01%	0.001%
276	15.302	15.297	15.309	VV	502	2774	0.03%	0.001%
277	15.312	15.309	15.320	VV	416	2600	0.02%	0.001%
278	15.345	15.320	15.350	VV	781	10605	0.10%	0.005%
279	15.361	15.350	15.374	VV	760	9347	0.09%	0.004%
280	15.390	15.374	15.408	VV	821	13919	0.13%	0.007%
281	15.422	15.408	15.431	VV	867	10107	0.09%	0.005%
282	15.446	15.431	15.469	VV	885	16564	0.16%	0.008%
283	15.474	15.469	15.482	VV	578	4088	0.04%	0.002%
284	15.503	15.482	15.512	VV	1721	21554	0.20%	0.010%
285	15.542	15.512	15.578	VV	64394	815203	7.64%	0.387%
286	15.583	15.578	15.630	VV	917	17000	0.16%	0.008%
287	15.636	15.630	15.659	VV	238	2610	0.02%	0.001%
288	15.699	15.659	15.732	VV	1871	29386	0.28%	0.014%
289	15.737	15.732	15.742	VV	408	1762	0.02%	0.001%
290	15.749	15.742	15.784	VV	323	5502	0.05%	0.003%
291	15.794	15.784	15.799	VV	327	1956	0.02%	0.001%
292	15.806	15.799	15.834	VV	274	4040	0.04%	0.002%
293	15.854	15.834	15.867	VV	309	4156	0.04%	0.002%
294	15.915	15.878	15.950	PV	1664	34194	0.32%	0.016%
295	15.988	15.950	16.002	VV	733411	9839949	92.26%	4.677%
296	16.023	16.002	16.085	VV	801622	9987928	93.65%	4.748%
297	16.100	16.085	16.175	VV	6478	164447	1.54%	0.078%
298	16.209	16.175	16.220	VV	1580	39604	0.37%	0.019%
299	16.225	16.220	16.248	VV	1650	21318	0.20%	0.010%

					rteres			
300	16.266	16.248	16.305	VV	2789	48714	0.46%	0.023%
301	16.312	16.305	16.325	VV	797	8447	0.08%	0.004%
302	16.364	16.325	16.457	VV	699804	9463870	88.73%	4.498%
303	16.485	16.457	16.512	VV	65754	958399	8.99%	0.456%
304	16.528	16.512	16.587	VV	10279	190737	1.79%	0.091%
305	16.590	16.587	16.630	VV	1305	23976	0.22%	0.011%
306	16.651	16.630	16.680	VV	986	21212	0.20%	0.010%
307	16.687	16.680	16.699	VV	651	6350	0.06%	0.003%
308	16.704	16.699	16.719	VV	793	7174	0.07%	0.003%
309	16.723	16.719	16.734	VV	417	3260	0.03%	0.002%
310	16.739	16.734	16.750	VV	392	3204	0.03%	0.002%
311	16.795	16.750	16.817	VV	1419	26779	0.25%	0.013%
312	16.822	16.817	16.829	VV	368	2250	0.02%	0.001%
313	16.856	16.829	16.890	VV	1073	24292	0.23%	0.012%
314	16.935	16.890	16.968	VV	2429	46569	0.44%	0.022%
315	16.975	16.968	16.989	VV	494	4292	0.04%	0.002%
316	16.991	16.989	16.998	VV	435	2048	0.02%	0.001%
317	17.025	16.998	17.052	VV	709	14835	0.14%	0.007%
318	17.064	17.052	17.077	VV	564	5942	0.06%	0.003%
319	17.082	17.077	17.135	VV	371	8045	0.08%	0.004%
320	17.175	17.135	17.200	VV	570	14076	0.13%	0.007%
321	17.218	17.200	17.227	VV	497	6399	0.06%	0.003%
322	17.232	17.227	17.237	VV	561	2755	0.03%	0.001%
323	17.257	17.237	17.285	VV	1124	19989	0.19%	0.010%
324	17.298	17.285	17.305	VV	671	6128	0.06%	0.003%
325	17.370	17.305	17.421	VV	57411	810224	7.60%	0.385%
326	17.426	17.421	17.432	VV	378	2214	0.02%	0.001%
327	17.456	17.432	17.486	VV	2731	41462	0.39%	0.020%
328	17.493	17.486	17.508	VV	465	5265	0.05%	0.003%
329	17.517	17.508	17.522	VV	461	3206	0.03%	0.002%
330	17.528	17.522	17.542	VV	408	4093	0.04%	0.002%
331	17.569	17.542	17.594	VV	464	9621	0.09%	0.005%
332	17.620	17.594	17.627	PV	226	3085	0.03%	0.001%
333	17.634	17.627	17.642	VV	131	1265	0.01%	0.001%
334	17.660	17.642	17.677	VV	626	7186	0.07%	0.003%
335	17.734	17.677	17.747	VV	669070	9359859	87.76%	4.449%
336	17.769	17.747	17.944	VV	632255	9475979	88.85%	4.504%
337	17.986	17.944	18.152	VV	628212	9464386	88.74%	4.499%
338	18.195	18.152	18.238	VV	55558	816334	7.65%	0.388%
339	18.241	18.238	18.280	VV	751	9095	0.09%	0.004%
Sum of corrected areas:					210382375			

Aromatic EPH 021125.M Sat Mar 01 04:01:07 2025

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/24/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MS	SDG No.:	Q1422
Lab Sample ID:	Q1421-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068334.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	9.70		0.54	1.42	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	9.05		0.34	0.95	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	14.6		0.43	1.42	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	19.4		1.14	1.89	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	34.1		2.55	2.84	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:	Q1421-02	Acq On:	28 Feb 2025 18:56
Client Sample ID:	P001-CLAY-CF01-01MS	Operator:	YP/AJ
Data file:	FC068334.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.369	14464917	102.562	300	ug/ml
Aliphatic C12-C16	6.370	9.754	13068443	95.631	200	ug/ml
Aliphatic C16-C21	9.755	13.107	20310392	154.298	300	ug/ml
Aliphatic C21-C28	13.108	16.761	25151936	205.002	400	ug/ml
Aliphatic C28-C40	16.762	21.565	37089980	360.634	600	ug/ml
Aliphatic EPH	3.104	21.565	110085668	918.128		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.839	12.839	3447568	30.65		ug/ml
Aliphatic C9-C28	3.104	16.761	72995688	557.493	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068334.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 18:56
 Operator : YP/AJ
 Sample : Q1421-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 P001-CLAY-CF01-01MS

Integration File: autoint1.e
 Quant Time: Mar 05 05:24:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 05 03:08:52 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...	12.839	3447568	30.652 ug/ml
Spiked Amount 50.000		Recovery =	61.30%
Target Compounds			
1) T n-Nonane (C9)	3.205	3952679	28.098 ug/ml
2) T n-Decane (C10)	4.262	4756204	33.572 ug/ml
4) T n-Dodecane (C12)	6.270	5217892	37.070 ug/ml
6) T n-Tetradecane (C14)	8.059	5826405	42.733 ug/ml
7) T n-Hexadecane (C16)	9.655	6354609	46.396 ug/ml
8) T n-Octadecane (C18)	11.093	6605667	48.302 ug/ml
10) T n-Eicosane (C20)	12.400	6724652	51.614 ug/ml
11) T n-Heneicosane (C21)	13.010	6406807	50.113 ug/ml
13) T n-Docosane (C22)	13.596	6355786	50.432 ug/ml
14) T n-Tetracosane (C24)	14.697	6236779	50.144 ug/ml
15) T n-Hexacosane (C26)	15.715	6107881	50.232 ug/ml
16) T n-Octacosane (C28)	16.664	5953830	50.130 ug/ml
17) T n-Tricontane (C30)	17.551	5974819	49.639 ug/ml
18) T n-Dotriacontane (C32)	18.382	5932634	51.114 ug/ml
19) T n-Tetratriacontane (C34)	19.164	5900054	54.600 ug/ml
20) T n-Hexatriacontane (C36)	19.904	5653625	58.789 ug/ml
21) T n-Octatriacontane (C38)	20.616	5491943	61.091 ug/ml
22) T n-Tetracontane (C40)	21.472	5316432	61.447 ug/ml

(f)=RT Delta > 1/2 Window

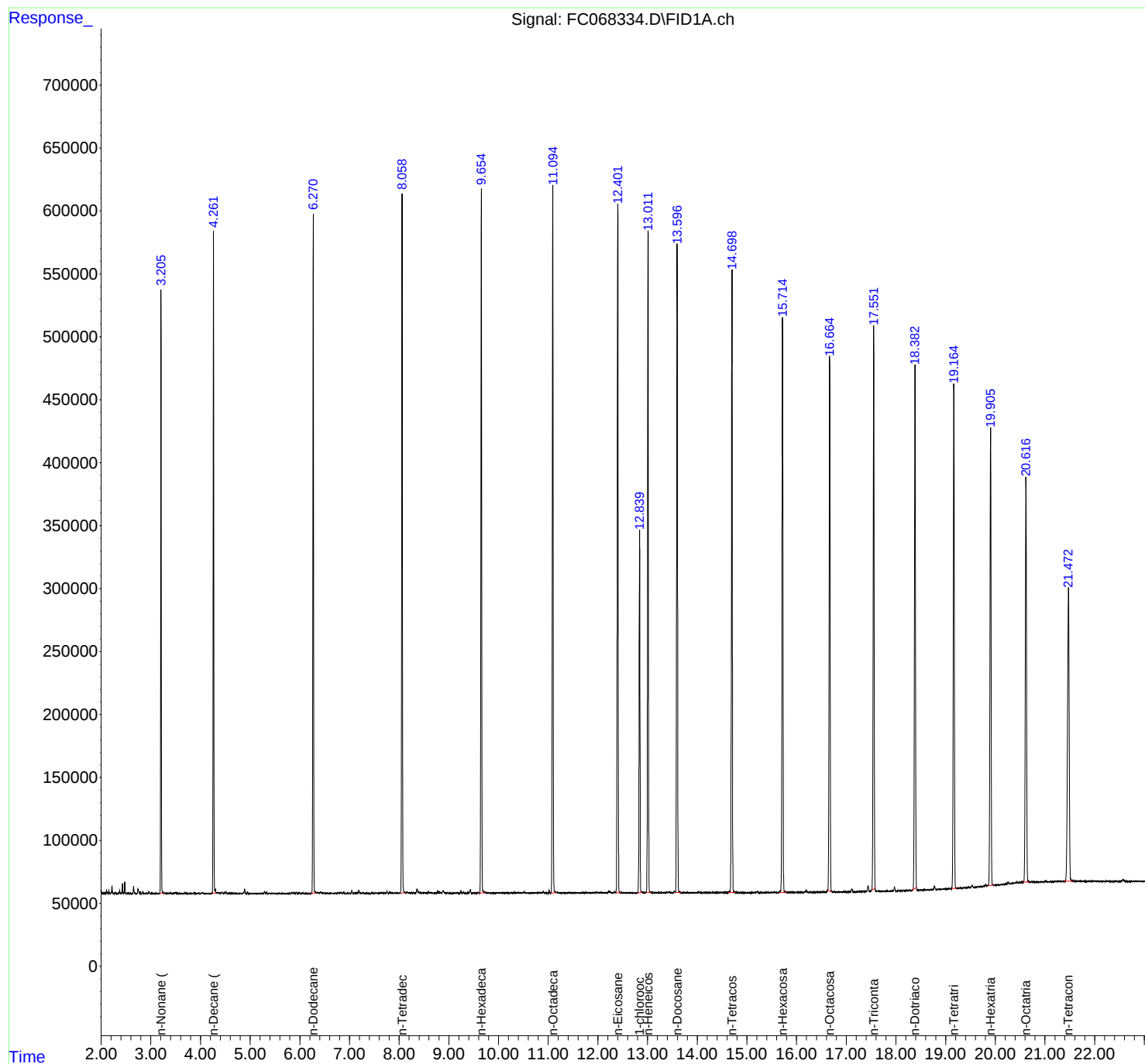
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068334.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 18:56
Operator : YP/AJ
Sample : Q1421-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-CLAY-CF01-01MS

Integration File: autoint1.e
Quant Time: Mar 05 05:24:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068334.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 18:56
 Sample : Q1421-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.373	2.304	2.402	BV	2444	20177	0.30%	0.018%
2	2.430	2.402	2.454	PV	7767	67001	0.99%	0.059%
3	2.475	2.454	2.535	VV	9285	76863	1.14%	0.067%
4	2.556	2.535	2.578	VV	360	5078	0.08%	0.004%
5	2.588	2.578	2.626	VV	234	3484	0.05%	0.003%
6	2.654	2.626	2.721	PV	5970	55320	0.82%	0.048%
7	2.743	2.721	2.771	VV	3718	52504	0.78%	0.046%
8	2.786	2.771	2.820	VV	1524	17198	0.25%	0.015%
9	2.839	2.820	2.900	VV	1638	20171	0.30%	0.018%
10	2.917	2.900	2.943	VV	340	4970	0.07%	0.004%
11	2.961	2.943	2.993	VV	1652	15512	0.23%	0.014%
12	3.031	2.993	3.044	VV	298	5350	0.08%	0.005%
13	3.054	3.044	3.071	VV	147	1723	0.03%	0.002%
14	3.095	3.071	3.122	VV	221	3824	0.06%	0.003%
15	3.205	3.122	3.314	VV	476570	3974917	58.90%	3.482%
16	3.324	3.314	3.364	VV	381	7654	0.11%	0.007%
17	3.378	3.364	3.424	VV	331	9181	0.14%	0.008%
18	3.437	3.424	3.454	VV	241	3497	0.05%	0.003%
19	3.501	3.454	3.553	VV	659	21613	0.32%	0.019%
20	3.568	3.553	3.604	VV	260	4949	0.07%	0.004%
21	3.611	3.604	3.655	VV	176	3352	0.05%	0.003%
22	3.692	3.655	3.752	VV	421	11227	0.17%	0.010%
23	3.775	3.752	3.827	VV	350	7232	0.11%	0.006%
24	3.865	3.827	3.878	VV	588	8521	0.13%	0.007%
25	3.893	3.878	3.948	VV	975	13495	0.20%	0.012%
26	3.961	3.948	3.993	VV	284	4929	0.07%	0.004%
27	4.037	3.993	4.145	VV	944	27567	0.41%	0.024%
28	4.178	4.145	4.204	VV	296	6175	0.09%	0.005%
29	4.211	4.204	4.231	VV	230	2907	0.04%	0.003%
30	4.262	4.231	4.289	VV	524353	4734902	70.17%	4.148%
31	4.300	4.289	4.347	VV	3746	50768	0.75%	0.044%
32	4.364	4.347	4.390	VV	730	14752	0.22%	0.013%
33	4.428	4.390	4.448	VV	1240	21435	0.32%	0.019%
34	4.459	4.448	4.467	VV	425	4469	0.07%	0.004%
35	4.483	4.467	4.497	VV	955	11206	0.17%	0.010%
36	4.513	4.497	4.578	VV	1798	24455	0.36%	0.021%

					rteres			
37	4.630	4.578	4.689	VV	247	12114	0.18%	0.011%
38	4.724	4.689	4.780	VV	273	7087	0.11%	0.006%
39	4.810	4.780	4.844	VV	250	4638	0.07%	0.004%
40	4.890	4.844	4.921	VV	3471	45773	0.68%	0.040%
41	4.946	4.921	4.962	VV	719	8954	0.13%	0.008%
42	4.973	4.962	5.018	VV	275	4329	0.06%	0.004%
43	5.081	5.018	5.101	PV	175	4452	0.07%	0.004%
44	5.115	5.101	5.153	VV	129	3282	0.05%	0.003%
45	5.163	5.153	5.223	VV	189	3688	0.05%	0.003%
46	5.258	5.223	5.269	VV	162	2711	0.04%	0.002%
47	5.292	5.269	5.312	VV	1773	19244	0.29%	0.017%
48	5.332	5.312	5.357	VV	1339	15550	0.23%	0.014%
49	5.387	5.357	5.434	VV	309	5489	0.08%	0.005%
50	5.469	5.434	5.495	VV	356	6323	0.09%	0.006%
51	5.508	5.495	5.529	VV	125	1637	0.02%	0.001%
52	5.539	5.529	5.553	VV	148	1273	0.02%	0.001%
53	5.582	5.553	5.613	VV	280	5783	0.09%	0.005%
54	5.640	5.613	5.684	VV	173	4197	0.06%	0.004%
55	5.692	5.684	5.724	VV	99	1301	0.02%	0.001%
56	5.742	5.724	5.763	PV	204	2404	0.04%	0.002%
57	5.788	5.763	5.813	VV	186	3529	0.05%	0.003%
58	5.838	5.813	5.869	VV	890	16772	0.25%	0.015%
59	5.886	5.869	5.908	VV	542	8475	0.13%	0.007%
60	5.928	5.908	5.971	VV	1047	14951	0.22%	0.013%
61	5.991	5.971	6.029	VV	703	11596	0.17%	0.010%
62	6.064	6.029	6.086	VV	368	7588	0.11%	0.007%
63	6.115	6.086	6.132	VV	274	4178	0.06%	0.004%
64	6.164	6.132	6.228	VV	275	9391	0.14%	0.008%
65	6.270	6.228	6.334	VV	539912	5241953	77.68%	4.592%
66	6.351	6.334	6.374	VV	1068	17052	0.25%	0.015%
67	6.386	6.374	6.398	VV	676	7625	0.11%	0.007%
68	6.417	6.398	6.437	VV	1487	20059	0.30%	0.018%
69	6.450	6.437	6.471	VV	584	8181	0.12%	0.007%
70	6.489	6.471	6.538	VV	752	13429	0.20%	0.012%
71	6.552	6.538	6.568	VV	277	4003	0.06%	0.004%
72	6.587	6.568	6.611	VV	313	5879	0.09%	0.005%
73	6.622	6.611	6.641	VV	243	3682	0.05%	0.003%
74	6.655	6.641	6.684	VV	227	4481	0.07%	0.004%
75	6.708	6.684	6.736	VV	664	9075	0.13%	0.008%
76	6.762	6.736	6.796	VV	830	16423	0.24%	0.014%
77	6.824	6.796	6.854	VV	741	16164	0.24%	0.014%
78	6.887	6.854	6.914	VV	1061	19526	0.29%	0.017%
79	6.925	6.914	6.947	VV	306	4357	0.06%	0.004%
80	6.988	6.947	7.008	VV	329	7764	0.12%	0.007%
81	7.048	7.008	7.095	VV	2381	30341	0.45%	0.027%
82	7.108	7.095	7.138	VV	366	7191	0.11%	0.006%
83	7.155	7.138	7.167	VV	499	5849	0.09%	0.005%
84	7.188	7.167	7.213	VV	2579	30661	0.45%	0.027%
85	7.221	7.213	7.233	VV	260	2957	0.04%	0.003%
86	7.248	7.233	7.266	VV	418	6511	0.10%	0.006%
87	7.279	7.266	7.333	VV	619	10000	0.15%	0.009%
88	7.355	7.333	7.391	VV	242	6015	0.09%	0.005%
89	7.395	7.391	7.414	VV	190	1628	0.02%	0.001%

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90	7.448	7.414	7.478	VV	1037	13385	0.20%	0.012%
91	7.525	7.478	7.574	VV	321	11619	0.17%	0.010%
92	7.611	7.574	7.627	VV	353	8205	0.12%	0.007%
93	7.648	7.627	7.688	VV	402	10387	0.15%	0.009%
94	7.709	7.688	7.734	VV	486	7961	0.12%	0.007%
95	7.753	7.734	7.778	VV	1583	19335	0.29%	0.017%
96	7.809	7.778	7.834	VV	1594	21359	0.32%	0.019%
97	7.846	7.834	7.864	VV	354	4886	0.07%	0.004%
98	7.879	7.864	7.891	VV	423	4829	0.07%	0.004%
99	7.908	7.891	7.934	VV	361	6444	0.10%	0.006%
100	7.962	7.934	8.004	VV	856	13217	0.20%	0.012%
101	8.059	8.004	8.134	VV	554409	5855976	86.78%	5.130%
102	8.154	8.134	8.190	VV	891	22636	0.34%	0.020%
103	8.203	8.190	8.222	VV	574	8596	0.13%	0.008%
104	8.250	8.222	8.269	VV	624	10991	0.16%	0.010%
105	8.287	8.269	8.328	VV	613	10178	0.15%	0.009%
106	8.358	8.328	8.438	VV	3538	79437	1.18%	0.070%
107	8.449	8.438	8.464	VV	483	7244	0.11%	0.006%
108	8.474	8.464	8.488	VV	607	6830	0.10%	0.006%
109	8.516	8.488	8.531	VV	612	13038	0.19%	0.011%
110	8.544	8.531	8.558	VV	691	8906	0.13%	0.008%
111	8.592	8.558	8.631	VV	1119	27569	0.41%	0.024%
112	8.654	8.631	8.687	VV	452	9010	0.13%	0.008%
113	8.707	8.687	8.725	VV	426	6259	0.09%	0.005%
114	8.745	8.725	8.753	VV	313	3931	0.06%	0.003%
115	8.776	8.753	8.796	VV	1501	20657	0.31%	0.018%
116	8.812	8.796	8.825	VV	888	11876	0.18%	0.010%
117	8.833	8.825	8.854	VV	679	10088	0.15%	0.009%
118	8.887	8.854	8.943	VV	2096	46575	0.69%	0.041%
119	8.962	8.943	8.989	VV	596	8314	0.12%	0.007%
120	9.011	8.989	9.037	PV	415	5547	0.08%	0.005%
121	9.131	9.037	9.145	VV	387	13254	0.20%	0.012%
122	9.174	9.145	9.221	VV	781	15428	0.23%	0.014%
123	9.245	9.221	9.273	VV	1372	22829	0.34%	0.020%
124	9.294	9.273	9.322	VV	889	12552	0.19%	0.011%
125	9.334	9.322	9.354	VV	263	3002	0.04%	0.003%
126	9.388	9.354	9.408	VV	903	13561	0.20%	0.012%
127	9.432	9.408	9.473	VV	3048	36278	0.54%	0.032%
128	9.490	9.473	9.508	PV	253	2752	0.04%	0.002%
129	9.522	9.508	9.535	VV	181	2184	0.03%	0.002%
130	9.576	9.535	9.609	VV	648	15373	0.23%	0.013%
131	9.655	9.609	9.766	VV	558718	6394144	94.75%	5.602%
132	9.773	9.766	9.864	VV	389	14407	0.21%	0.013%
133	9.931	9.864	9.948	VV	308	7356	0.11%	0.006%
134	9.969	9.948	9.990	VV	302	6115	0.09%	0.005%
135	10.045	9.990	10.064	VV	472	12862	0.19%	0.011%
136	10.081	10.064	10.102	VV	363	6588	0.10%	0.006%
137	10.129	10.102	10.151	VV	338	6987	0.10%	0.006%
138	10.159	10.151	10.180	VV	290	3147	0.05%	0.003%
139	10.191	10.180	10.197	VV	128	1121	0.02%	0.001%
140	10.205	10.197	10.211	VV	152	1028	0.02%	0.001%
141	10.250	10.211	10.265	VV	389	7571	0.11%	0.007%

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142	10.275	10.265	10.303	VV	376	6423	0.10%	0.006%
143	10.322	10.303	10.348	VV	577	10901	0.16%	0.010%
144	10.391	10.348	10.423	VV	743	18152	0.27%	0.016%
145	10.443	10.423	10.458	VV	366	5798	0.09%	0.005%
146	10.476	10.458	10.488	VV	430	6016	0.09%	0.005%
147	10.515	10.488	10.548	VV	1041	19254	0.29%	0.017%
148	10.604	10.584	10.658	VV	273	7646	0.11%	0.007%
149	10.675	10.658	10.683	VV	257	2854	0.04%	0.003%
150	10.714	10.683	10.741	VV	436	9433	0.14%	0.008%
151	10.761	10.741	10.794	VV	411	9576	0.14%	0.008%
152	10.811	10.794	10.831	VV	557	8515	0.13%	0.007%
153	10.844	10.831	10.862	VV	342	3978	0.06%	0.003%
154	10.894	10.862	10.940	VV	1481	20511	0.30%	0.018%
155	10.947	10.940	10.978	VV	104	1539	0.02%	0.001%
156	11.021	10.978	11.054	VV	1735	24417	0.36%	0.021%
157	11.093	11.054	11.168	VV	565923	6625320	98.18%	5.804%
158	11.182	11.168	11.231	VV	720	14671	0.22%	0.013%
159	11.241	11.231	11.261	VV	192	2557	0.04%	0.002%
160	11.273	11.261	11.288	VV	173	1837	0.03%	0.002%
161	11.318	11.288	11.348	VV	209	5178	0.08%	0.005%
162	11.354	11.348	11.368	VV	85	1004	0.01%	0.001%
163	11.398	11.368	11.435	VV	297	9104	0.13%	0.008%
164	11.450	11.435	11.460	VV	333	3793	0.06%	0.003%
165	11.477	11.460	11.519	VV	415	10036	0.15%	0.009%
166	11.556	11.519	11.602	VV	414	11078	0.16%	0.010%
167	11.609	11.602	11.618	VV	109	953	0.01%	0.001%
168	11.752	11.618	11.781	VV	588	31644	0.47%	0.028%
169	11.800	11.781	11.831	VV	366	7504	0.11%	0.007%
170	11.848	11.831	11.864	VV	282	4549	0.07%	0.004%
171	11.893	11.864	11.938	VV	424	11070	0.16%	0.010%
172	11.973	11.938	12.009	VV	753	21641	0.32%	0.019%
173	12.030	12.009	12.052	VV	621	10594	0.16%	0.009%
174	12.070	12.052	12.085	VV	610	9008	0.13%	0.008%
175	12.093	12.085	12.132	VV	338	6661	0.10%	0.006%
176	12.222	12.132	12.245	VV	1915	41265	0.61%	0.036%
177	12.260	12.245	12.302	VV	961	14054	0.21%	0.012%
178	12.336	12.302	12.359	VV	1377	18443	0.27%	0.016%
179	12.400	12.359	12.498	VV	550415	6748141	100.00%	5.912%
180	12.508	12.498	12.628	VV	306	11917	0.18%	0.010%
181	12.653	12.628	12.664	PV	184	2976	0.04%	0.003%
182	12.672	12.664	12.738	VV	191	5818	0.09%	0.005%
183	12.839	12.738	12.931	VV	286432	3481931	51.60%	3.050%
184	12.953	12.931	12.969	VV	428	8655	0.13%	0.008%
185	13.010	12.969	13.178	VV	526070	6448726	95.56%	5.649%
186	13.208	13.178	13.240	VV	376	10702	0.16%	0.009%
187	13.283	13.240	13.324	VV	471	15893	0.24%	0.014%
188	13.347	13.324	13.364	VV	296	5459	0.08%	0.005%
189	13.384	13.364	13.407	VV	696	11042	0.16%	0.010%
190	13.435	13.407	13.484	VV	1046	21956	0.33%	0.019%
191	13.498	13.484	13.513	VV	276	3937	0.06%	0.003%
192	13.539	13.513	13.556	VV	1419	19411	0.29%	0.017%
193	13.596	13.556	13.688	VV	513366	6381544	94.57%	5.590%
194	13.698	13.688	13.705	VV	257	2361	0.03%	0.002%

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195	13.715	13.705	13.750	VV	301	5196	0.08%	0.005%
196	13.769	13.750	13.791	VV	195	3768	0.06%	0.003%
197	13.806	13.791	13.833	VV	207	4647	0.07%	0.004%
198	13.847	13.833	13.861	VV	198	2753	0.04%	0.002%
199	13.865	13.861	13.908	VV	163	3524	0.05%	0.003%
200	13.930	13.908	13.969	VV	201	4815	0.07%	0.004%
201	13.977	13.969	13.987	VV	121	1041	0.02%	0.001%
202	14.030	13.987	14.108	VV	938	23520	0.35%	0.021%
203	14.119	14.108	14.130	VV	191	1931	0.03%	0.002%
204	14.153	14.130	14.198	VV	516	10405	0.15%	0.009%
205	14.297	14.198	14.368	VV	343	24148	0.36%	0.021%
206	14.397	14.368	14.424	VV	347	8382	0.12%	0.007%
207	14.462	14.424	14.489	VV	351	9124	0.14%	0.008%
208	14.504	14.489	14.521	VV	310	4445	0.07%	0.004%
209	14.545	14.521	14.574	VV	400	7327	0.11%	0.006%
210	14.594	14.574	14.611	VV	242	4170	0.06%	0.004%
211	14.648	14.611	14.657	VV	1188	15313	0.23%	0.013%
212	14.697	14.657	14.824	VV	489965	6246308	92.56%	5.472%
213	14.833	14.824	14.849	VV	140	1753	0.03%	0.002%
214	14.862	14.849	14.922	VV	195	6292	0.09%	0.006%
215	14.930	14.922	14.994	VV	168	4066	0.06%	0.004%
216	15.001	14.994	15.014	VV	75	973	0.01%	0.001%
217	15.024	15.014	15.065	VV	107	2267	0.03%	0.002%
218	15.075	15.065	15.090	VV	130	1445	0.02%	0.001%
219	15.122	15.090	15.136	VV	168	3329	0.05%	0.003%
220	15.212	15.136	15.294	VV	1180	24519	0.36%	0.021%
221	15.354	15.294	15.378	PV	196	5498	0.08%	0.005%
222	15.392	15.378	15.402	VV	164	2044	0.03%	0.002%
223	15.411	15.402	15.468	VV	199	5159	0.08%	0.005%
224	15.567	15.468	15.594	VV	304	13518	0.20%	0.012%
225	15.602	15.594	15.638	VV	178	2874	0.04%	0.003%
226	15.715	15.638	15.874	VV	453709	6127369	90.80%	5.368%
227	15.896	15.874	15.998	VV	161	4903	0.07%	0.004%
228	16.034	15.998	16.058	VV	154	2482	0.04%	0.002%
229	16.065	16.058	16.082	VV	94	878	0.01%	0.001%
230	16.105	16.082	16.141	PV	121	2159	0.03%	0.002%
231	16.159	16.141	16.168	VV	188	1698	0.03%	0.001%
232	16.194	16.168	16.254	VV	1679	25892	0.38%	0.023%
233	16.271	16.254	16.306	VV	270	3955	0.06%	0.003%
234	16.317	16.306	16.331	VV	96	762	0.01%	0.001%
235	16.358	16.331	16.374	VV	229	3509	0.05%	0.003%
236	16.390	16.374	16.434	VV	143	5100	0.08%	0.004%
237	16.442	16.434	16.466	VV	174	2263	0.03%	0.002%
238	16.501	16.466	16.518	VV	188	3685	0.05%	0.003%
239	16.545	16.518	16.598	VV	425	13351	0.20%	0.012%
240	16.664	16.598	16.734	VV	424710	6019424	89.20%	5.273%
241	16.745	16.734	16.788	VV	326	7647	0.11%	0.007%
242	16.795	16.788	16.852	VV	202	4824	0.07%	0.004%
243	16.867	16.852	16.916	VV	103	2253	0.03%	0.002%
244	16.922	16.916	16.927	VV	71	350	0.01%	0.000%
245	16.955	16.927	16.978	VV	290	4629	0.07%	0.004%
246	17.010	16.978	17.028	VV	202	3878	0.06%	0.003%

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247	17.041	17.028	17.068	VV	173	2364	0.04%	0.002%
248	17.111	17.068	17.174	VV	2404	39025	0.58%	0.034%
249	17.336	17.174	17.368	PV	275	20619	0.31%	0.018%
250	17.387	17.368	17.401	VV	272	3524	0.05%	0.003%
251	17.437	17.401	17.475	VV	4691	71943	1.07%	0.063%
252	17.551	17.475	17.619	VV	449116	6077453	90.06%	5.324%
253	17.641	17.619	17.662	VV	447	9996	0.15%	0.009%
254	17.672	17.662	17.714	VV	282	6932	0.10%	0.006%
255	17.731	17.714	17.774	VV	226	3697	0.05%	0.003%
256	17.826	17.774	17.890	PV	320	10337	0.15%	0.009%
257	17.898	17.890	17.906	VV	120	576	0.01%	0.001%
258	17.968	17.906	18.008	PV	3186	48425	0.72%	0.042%
259	18.055	18.008	18.076	VV	133	3080	0.05%	0.003%
260	18.234	18.076	18.250	VV	270	7745	0.11%	0.007%
261	18.266	18.250	18.313	VV	261	4615	0.07%	0.004%
262	18.382	18.313	18.454	PV	413964	6001712	88.94%	5.258%
263	18.507	18.454	18.521	VV	208	5479	0.08%	0.005%
264	18.537	18.521	18.564	VV	182	3281	0.05%	0.003%
265	18.592	18.564	18.604	VV	185	2248	0.03%	0.002%
266	18.633	18.604	18.654	VV	166	3189	0.05%	0.003%
267	18.685	18.654	18.696	VV	99	1632	0.02%	0.001%
268	18.775	18.696	18.808	PV	2910	42936	0.64%	0.038%
269	18.834	18.808	18.874	VV	109	2129	0.03%	0.002%
270	18.961	18.874	18.988	PV	189	6398	0.09%	0.006%
271	19.089	18.988	19.101	VV	250	10181	0.15%	0.009%
272	19.164	19.101	19.253	VV	397589	5928806	87.86%	5.194%
273	19.268	19.253	19.291	VV	393	7503	0.11%	0.007%
274	19.321	19.291	19.364	VV	466	15140	0.22%	0.013%
275	19.471	19.364	19.497	VV	555	31946	0.47%	0.028%
276	19.533	19.497	19.581	VV	1963	43177	0.64%	0.038%
277	19.803	19.581	19.834	VV	1730	120045	1.78%	0.105%
278	19.904	19.834	20.010	VV	361310	5791003	85.82%	5.073%
279	20.021	20.010	20.031	VV	1425	16738	0.25%	0.015%
280	20.255	20.031	20.298	VV	3227	276042	4.09%	0.242%
281	20.431	20.298	20.461	VV	2745	223985	3.32%	0.196%
282	20.475	20.461	20.491	VV	2507	44379	0.66%	0.039%
283	20.616	20.491	20.758	VV	321083	5896031	87.37%	5.165%
284	20.774	20.758	20.812	VV	2369	74617	1.11%	0.065%
285	20.819	20.812	20.828	VV	2218	20610	0.31%	0.018%
286	20.937	20.828	20.968	VV	2225	179546	2.66%	0.157%
287	21.009	20.968	21.049	VV	2645	108714	1.61%	0.095%
288	21.056	21.049	21.072	VV	1873	25754	0.38%	0.023%
289	21.285	21.072	21.298	VV	1863	243309	3.61%	0.213%
290	21.308	21.298	21.320	VV	1825	23251	0.34%	0.020%
291	21.352	21.320	21.361	VV	1736	41635	0.62%	0.036%
292	21.370	21.361	21.381	VV	1619	19867	0.29%	0.017%
293	21.388	21.381	21.395	VV	1626	13279	0.20%	0.012%
294	21.472	21.395	21.628	VV	232470	5539153	82.08%	4.853%
295	21.639	21.628	21.651	VV	1287	17310	0.26%	0.015%
296	21.670	21.651	21.690	VV	1291	28053	0.42%	0.025%
297	21.709	21.690	21.737	VV	1183	31107	0.46%	0.027%
298	21.772	21.737	21.878	VV	1053	77020	1.14%	0.067%
299	21.901	21.878	21.915	VV	749	15281	0.23%	0.013%

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300	21.922	21.915	21.931	VV	654	5922	0.09%	0.005%	
301	21.973	21.931	22.041	VV	779	39999	0.59%	0.035%	
302	22.055	22.041	22.083	VV	455	8809	0.13%	0.008%	
303	22.094	22.083	22.104	VV	307	3505	0.05%	0.003%	
304	22.113	22.104	22.147	VV	325	5060	0.07%	0.004%	
305	22.162	22.147	22.181	VV	91	1266	0.02%	0.001%	

Sum of corrected areas: 114150106

Aliphatic EPH 021125.M Sat Mar 01 01:30:47 2025

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/24/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MSD	SDG No.:	Q1422
Lab Sample ID:	Q1421-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.3
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
FC068335.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	9.71		0.54	1.42	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	9.10		0.34	0.95	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	14.7		0.43	1.42	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	19.6		1.14	1.89	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	34.6		2.56	2.84	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.3		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:	Q1421-03	Acq On:	28 Feb 2025 19:32
Client Sample ID:	P001-CLAY-CF01-01MSD	Operator:	YP/AJ
Data file:	FC068335.D	Misc:	
Instrument:	FID_C	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.369	14461616	102.539	300	ug/ml
Aliphatic C12-C16	6.370	9.754	13124094	96.038	200	ug/ml
Aliphatic C16-C21	9.755	13.107	20440502	155.287	300	ug/ml
Aliphatic C21-C28	13.108	16.761	25406827	207.079	400	ug/ml
Aliphatic C28-C40	16.762	21.565	37555991	365.166	600	ug/ml
Aliphatic EPH	3.104	21.565	110989030	926.109		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.838	12.838	3629508	32.27		ug/ml
Aliphatic C9-C28	3.104	16.761	73433039	560.943	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068335.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 19:32
 Operator : YP/AJ
 Sample : Q1421-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 P001-CLAY-CF01-01MSD

Integration File: autoint1.e
 Quant Time: Mar 05 05:25:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 05 03:08:52 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...	12.838	3629508	32.270 ug/ml
Spiked Amount 50.000		Recovery =	64.54%
Target Compounds			
1) T n-Nonane (C9)	3.205	3943747	28.034 ug/ml
2) T n-Decane (C10)	4.261	4754624	33.561 ug/ml
4) T n-Dodecane (C12)	6.270	5235120	37.192 ug/ml
6) T n-Tetradecane (C14)	8.059	5850328	42.909 ug/ml
7) T n-Hexadecane (C16)	9.655	6391300	46.664 ug/ml
8) T n-Octadecane (C18)	11.093	6650779	48.632 ug/ml
10) T n-Eicosane (C20)	12.400	6773133	51.986 ug/ml
11) T n-Heneicosane (C21)	13.010	6452700	50.472 ug/ml
13) T n-Docosane (C22)	13.595	6400679	50.788 ug/ml
14) T n-Tetracosane (C24)	14.696	6277459	50.471 ug/ml
15) T n-Hexacosane (C26)	15.715	6147591	50.559 ug/ml
16) T n-Octacosane (C28)	16.664	5996760	50.492 ug/ml
17) T n-Tricontane (C30)	17.551	6013877	49.963 ug/ml
18) T n-Dotriacontane (C32)	18.382	5975842	51.486 ug/ml
19) T n-Tetratriacontane (C34)	19.164	5937717	54.949 ug/ml
20) T n-Hexatriacontane (C36)	19.904	5683975	59.104 ug/ml
21) T n-Octatriacontane (C38)	20.616	5522915	61.436 ug/ml
22) T n-Tetracontane (C40)	21.469	5359281	61.942 ug/ml

(f)=RT Delta > 1/2 Window

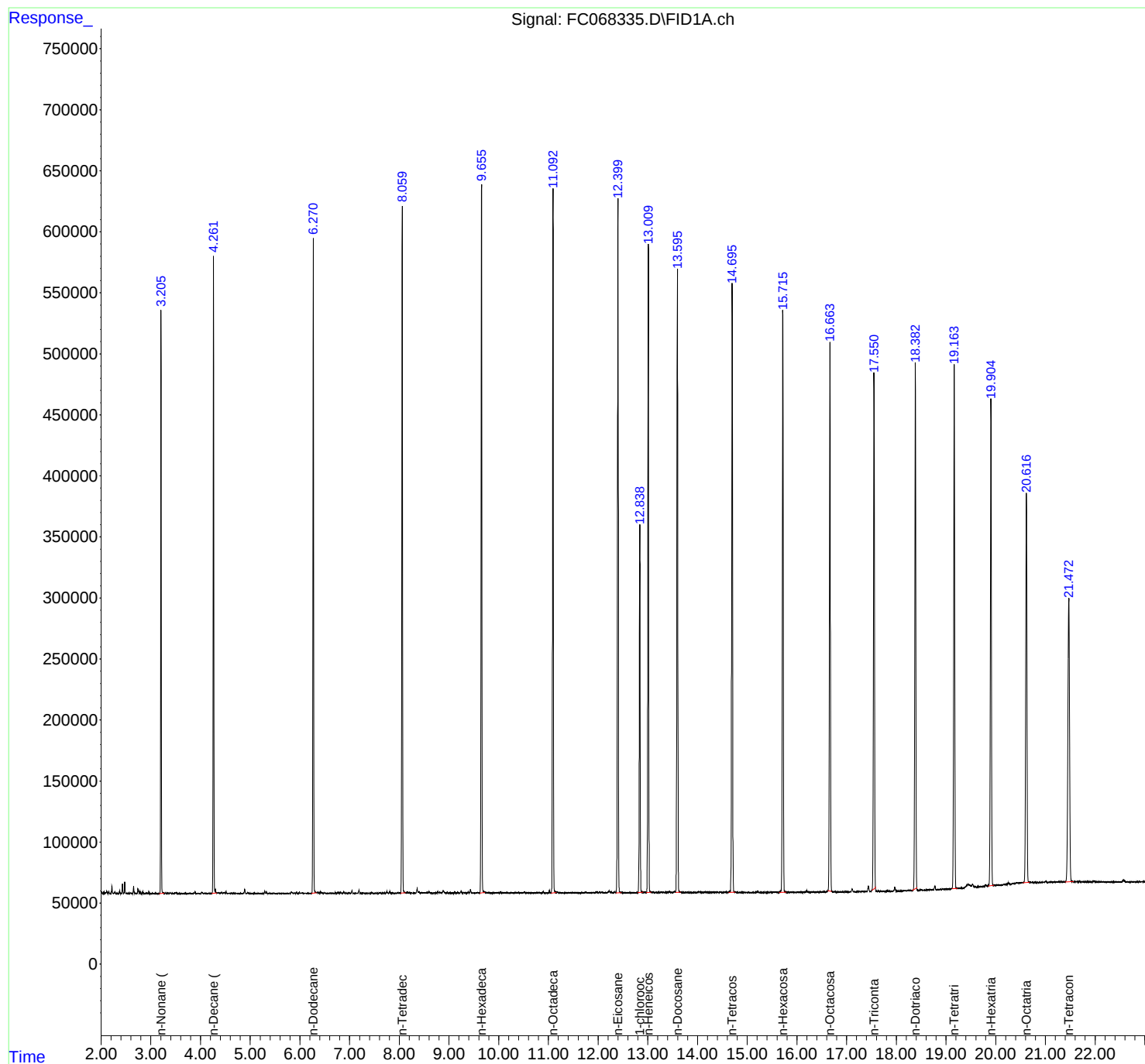
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068335.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 19:32
Operator : YP/AJ
Sample : Q1421-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-CLAY-CF01-01MSD

Integration File: autoint1.e
Quant Time: Mar 05 05:25:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
 Data File : FC068335.D
 Signal(s) : FID1A.ch
 Acq On : 28 Feb 2025 19:32
 Sample : Q1421-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.373	2.344	2.404	PV	2502	22211	0.33%	0.019%
2	2.429	2.404	2.453	VV	7877	67361	0.99%	0.058%
3	2.475	2.453	2.515	VV	9409	77635	1.14%	0.067%
4	2.525	2.515	2.536	VV	170	1245	0.02%	0.001%
5	2.557	2.536	2.575	PV	406	4865	0.07%	0.004%
6	2.591	2.575	2.624	VV	320	4153	0.06%	0.004%
7	2.653	2.624	2.716	VV	5738	54584	0.80%	0.047%
8	2.742	2.716	2.770	VV	3670	51262	0.75%	0.044%
9	2.786	2.770	2.819	VV	1528	16974	0.25%	0.015%
10	2.838	2.819	2.868	VV	1723	16588	0.24%	0.014%
11	2.917	2.868	2.944	VV	307	7449	0.11%	0.006%
12	2.960	2.944	3.006	VV	1641	15916	0.23%	0.014%
13	3.030	3.006	3.080	VV	276	5287	0.08%	0.005%
14	3.100	3.080	3.144	VV	212	3993	0.06%	0.003%
15	3.205	3.144	3.278	VV	474671	3957131	58.18%	3.433%
16	3.297	3.278	3.311	VV	378	5675	0.08%	0.005%
17	3.325	3.311	3.341	VV	402	5717	0.08%	0.005%
18	3.347	3.341	3.362	VV	269	3064	0.05%	0.003%
19	3.379	3.362	3.390	VV	341	4125	0.06%	0.004%
20	3.400	3.390	3.426	VV	265	4317	0.06%	0.004%
21	3.437	3.426	3.449	VV	243	2333	0.03%	0.002%
22	3.479	3.449	3.486	VV	429	6373	0.09%	0.006%
23	3.500	3.486	3.557	VV	642	13665	0.20%	0.012%
24	3.572	3.557	3.594	VV	260	3022	0.04%	0.003%
25	3.606	3.594	3.624	VV	188	2006	0.03%	0.002%
26	3.631	3.624	3.652	VV	188	1532	0.02%	0.001%
27	3.693	3.652	3.726	VV	330	6919	0.10%	0.006%
28	3.735	3.726	3.753	VV	129	1522	0.02%	0.001%
29	3.773	3.753	3.827	PV	316	5781	0.09%	0.005%
30	3.865	3.827	3.878	VV	528	7061	0.10%	0.006%
31	3.893	3.878	3.944	VV	949	12529	0.18%	0.011%
32	3.958	3.944	3.981	VV	257	2886	0.04%	0.003%
33	4.036	3.981	4.068	VV	924	19293	0.28%	0.017%
34	4.081	4.068	4.124	VV	267	5657	0.08%	0.005%
35	4.128	4.124	4.155	VV	116	1860	0.03%	0.002%
36	4.187	4.155	4.231	VV	184	6637	0.10%	0.006%

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37	4.261	4.231	4.289	VV	520982	4732885	69.59%	4.106%
38	4.300	4.289	4.346	VV	3590	48323	0.71%	0.042%
39	4.362	4.346	4.391	VV	749	14126	0.21%	0.012%
40	4.428	4.391	4.468	VV	1340	26822	0.39%	0.023%
41	4.483	4.468	4.497	VV	1118	12023	0.18%	0.010%
42	4.513	4.497	4.554	VV	1695	21407	0.31%	0.019%
43	4.578	4.554	4.611	VV	238	6809	0.10%	0.006%
44	4.615	4.611	4.621	VV	255	1175	0.02%	0.001%
45	4.633	4.621	4.652	VV	221	3729	0.05%	0.003%
46	4.674	4.652	4.690	VV	235	4007	0.06%	0.003%
47	4.723	4.690	4.761	VV	284	5991	0.09%	0.005%
48	4.810	4.761	4.840	VV	356	5885	0.09%	0.005%
49	4.890	4.840	4.922	VV	3510	46198	0.68%	0.040%
50	4.945	4.922	4.962	VV	661	8349	0.12%	0.007%
51	4.972	4.962	5.054	VV	290	5251	0.08%	0.005%
52	5.078	5.054	5.103	VV	162	2912	0.04%	0.003%
53	5.165	5.103	5.231	VV	223	8730	0.13%	0.008%
54	5.242	5.231	5.249	VV	121	700	0.01%	0.001%
55	5.291	5.249	5.311	VV	1788	20915	0.31%	0.018%
56	5.331	5.311	5.371	VV	1245	16633	0.24%	0.014%
57	5.388	5.371	5.435	VV	278	5352	0.08%	0.005%
58	5.473	5.435	5.499	VV	288	6297	0.09%	0.005%
59	5.535	5.499	5.554	VV	121	2147	0.03%	0.002%
60	5.572	5.554	5.611	PV	295	6050	0.09%	0.005%
61	5.621	5.611	5.647	VV	236	3400	0.05%	0.003%
62	5.660	5.647	5.691	VV	214	3348	0.05%	0.003%
63	5.698	5.691	5.724	VV	131	1437	0.02%	0.001%
64	5.744	5.724	5.778	PV	169	3011	0.04%	0.003%
65	5.793	5.778	5.804	VV	225	2519	0.04%	0.002%
66	5.831	5.804	5.865	VV	1155	23002	0.34%	0.020%
67	5.885	5.865	5.908	VV	585	8183	0.12%	0.007%
68	5.929	5.908	5.962	VV	1083	14937	0.22%	0.013%
69	5.990	5.962	6.033	VV	704	14474	0.21%	0.013%
70	6.060	6.033	6.098	VV	379	9625	0.14%	0.008%
71	6.107	6.098	6.134	VV	182	2833	0.04%	0.002%
72	6.155	6.134	6.172	VV	270	4197	0.06%	0.004%
73	6.190	6.172	6.211	VV	204	3469	0.05%	0.003%
74	6.270	6.211	6.334	VV	535855	5258275	77.32%	4.562%
75	6.351	6.334	6.371	VV	1065	17085	0.25%	0.015%
76	6.386	6.371	6.399	VV	729	9657	0.14%	0.008%
77	6.416	6.399	6.438	VV	1453	18789	0.28%	0.016%
78	6.449	6.438	6.470	VV	588	7170	0.11%	0.006%
79	6.488	6.470	6.571	VV	688	16097	0.24%	0.014%
80	6.585	6.571	6.614	VV	326	5691	0.08%	0.005%
81	6.629	6.614	6.638	VV	240	3112	0.05%	0.003%
82	6.655	6.638	6.688	VV	277	5352	0.08%	0.005%
83	6.709	6.688	6.738	VV	607	8549	0.13%	0.007%
84	6.761	6.738	6.798	VV	813	16805	0.25%	0.015%
85	6.824	6.798	6.848	VV	682	14119	0.21%	0.012%
86	6.887	6.848	6.915	VV	1123	19849	0.29%	0.017%
87	6.925	6.915	6.951	VV	352	4582	0.07%	0.004%
88	6.966	6.951	6.980	VV	305	3964	0.06%	0.003%
89	6.991	6.980	7.020	VV	276	4092	0.06%	0.004%

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90	7.047	7.020	7.078	VV	2375	26454	0.39%	0.023%
91	7.115	7.078	7.141	VV	367	8903	0.13%	0.008%
92	7.154	7.141	7.166	VV	441	4874	0.07%	0.004%
93	7.189	7.166	7.216	VV	2638	31866	0.47%	0.028%
94	7.224	7.216	7.234	VV	278	2586	0.04%	0.002%
95	7.250	7.234	7.268	VV	453	6250	0.09%	0.005%
96	7.279	7.268	7.317	VV	531	7199	0.11%	0.006%
97	7.348	7.317	7.375	VV	228	4627	0.07%	0.004%
98	7.391	7.375	7.423	PV	165	2087	0.03%	0.002%
99	7.449	7.423	7.484	VV	949	12597	0.19%	0.011%
100	7.547	7.484	7.568	VV	253	7576	0.11%	0.007%
101	7.608	7.568	7.630	VV	363	7775	0.11%	0.007%
102	7.668	7.630	7.691	VV	350	8551	0.13%	0.007%
103	7.708	7.691	7.726	VV	435	5500	0.08%	0.005%
104	7.753	7.726	7.776	VV	1610	19006	0.28%	0.016%
105	7.808	7.776	7.830	VV	1612	19530	0.29%	0.017%
106	7.848	7.830	7.863	VV	276	4150	0.06%	0.004%
107	7.878	7.863	7.897	VV	337	4135	0.06%	0.004%
108	7.911	7.897	7.938	VV	306	3742	0.06%	0.003%
109	7.963	7.938	8.024	VV	838	13975	0.21%	0.012%
110	8.059	8.024	8.133	VV	558311	5876988	86.41%	5.099%
111	8.154	8.133	8.198	VV	875	25997	0.38%	0.023%
112	8.205	8.198	8.226	VV	575	7138	0.10%	0.006%
113	8.248	8.226	8.268	VV	590	9697	0.14%	0.008%
114	8.287	8.268	8.331	VV	538	8809	0.13%	0.008%
115	8.358	8.331	8.448	VV	3666	80620	1.19%	0.070%
116	8.471	8.448	8.490	VV	544	11910	0.18%	0.010%
117	8.511	8.490	8.530	VV	656	12138	0.18%	0.011%
118	8.544	8.530	8.578	VV	589	12179	0.18%	0.011%
119	8.592	8.578	8.632	VV	1154	20881	0.31%	0.018%
120	8.653	8.632	8.688	VV	335	6768	0.10%	0.006%
121	8.708	8.688	8.731	VV	420	6134	0.09%	0.005%
122	8.777	8.731	8.796	VV	1474	23554	0.35%	0.020%
123	8.812	8.796	8.824	VV	922	11440	0.17%	0.010%
124	8.833	8.824	8.855	VV	648	9998	0.15%	0.009%
125	8.888	8.855	8.948	VV	2152	49076	0.72%	0.043%
126	8.963	8.948	8.985	VV	562	7555	0.11%	0.007%
127	9.011	8.985	9.043	VV	513	8303	0.12%	0.007%
128	9.065	9.043	9.077	VV	312	4013	0.06%	0.003%
129	9.122	9.077	9.147	VV	426	13195	0.19%	0.011%
130	9.174	9.147	9.218	VV	831	15325	0.23%	0.013%
131	9.244	9.218	9.274	VV	1474	24426	0.36%	0.021%
132	9.293	9.274	9.328	VV	955	14652	0.22%	0.013%
133	9.336	9.328	9.354	VV	327	3858	0.06%	0.003%
134	9.388	9.354	9.411	VV	880	16117	0.24%	0.014%
135	9.432	9.411	9.472	VV	3042	38078	0.56%	0.033%
136	9.491	9.472	9.531	VV	304	6325	0.09%	0.005%
137	9.542	9.531	9.547	VV	217	1821	0.03%	0.002%
138	9.577	9.547	9.616	VV	637	14876	0.22%	0.013%
139	9.655	9.616	9.809	VV	582924	6443012	94.74%	5.590%
140	9.816	9.809	9.902	VV	371	11880	0.17%	0.010%
141	9.932	9.902	9.945	VV	231	4935	0.07%	0.004%

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142	9.965	9.945	9.991	VV	405	7626	0.11%	0.007%
143	10.045	9.991	10.064	VV	552	15043	0.22%	0.013%
144	10.075	10.064	10.104	VV	466	7552	0.11%	0.007%
145	10.132	10.104	10.194	VV	328	11990	0.18%	0.010%
146	10.249	10.194	10.267	VV	378	9371	0.14%	0.008%
147	10.285	10.267	10.301	VV	424	5946	0.09%	0.005%
148	10.321	10.301	10.351	VV	538	11450	0.17%	0.010%
149	10.392	10.351	10.425	VV	663	17716	0.26%	0.015%
150	10.441	10.425	10.458	VV	425	6043	0.09%	0.005%
151	10.469	10.458	10.488	VV	358	5477	0.08%	0.005%
152	10.516	10.488	10.545	VV	1026	18038	0.27%	0.016%
153	10.557	10.545	10.585	VV	286	5213	0.08%	0.005%
154	10.603	10.585	10.621	VV	252	4261	0.06%	0.004%
155	10.640	10.621	10.660	VV	196	3528	0.05%	0.003%
156	10.712	10.660	10.734	VV	336	8930	0.13%	0.008%
157	10.761	10.734	10.790	VV	365	8910	0.13%	0.008%
158	10.811	10.790	10.861	VV	589	10956	0.16%	0.010%
159	10.894	10.861	10.931	VV	1419	18488	0.27%	0.016%
160	10.967	10.931	10.991	VV	138	2181	0.03%	0.002%
161	11.021	10.991	11.050	PV	1872	24243	0.36%	0.021%
162	11.093	11.050	11.170	VV	580810	6671816	98.10%	5.788%
163	11.182	11.170	11.223	VV	750	13273	0.20%	0.012%
164	11.244	11.223	11.260	VV	195	3616	0.05%	0.003%
165	11.285	11.260	11.358	VV	237	8007	0.12%	0.007%
166	11.404	11.358	11.455	VV	302	12323	0.18%	0.011%
167	11.478	11.455	11.528	VV	482	11270	0.17%	0.010%
168	11.549	11.528	11.594	VV	342	9367	0.14%	0.008%
169	11.610	11.594	11.634	VV	111	2326	0.03%	0.002%
170	11.751	11.634	11.784	VV	660	27357	0.40%	0.024%
171	11.798	11.784	11.824	VV	370	5560	0.08%	0.005%
172	11.846	11.824	11.874	VV	231	5481	0.08%	0.005%
173	11.894	11.874	11.930	VV	331	9067	0.13%	0.008%
174	11.971	11.930	12.009	VV	757	21949	0.32%	0.019%
175	12.029	12.009	12.052	VV	682	11399	0.17%	0.010%
176	12.070	12.052	12.138	VV	475	15630	0.23%	0.014%
177	12.221	12.138	12.311	VV	1844	54129	0.80%	0.047%
178	12.336	12.311	12.357	VV	1213	16281	0.24%	0.014%
179	12.399	12.357	12.594	VV	561865	6800978	100.00%	5.900%
180	12.601	12.594	12.624	VV	70	1366	0.02%	0.001%
181	12.673	12.624	12.704	VV	234	7163	0.11%	0.006%
182	12.717	12.704	12.735	VV	236	2291	0.03%	0.002%
183	12.838	12.735	12.931	VV	302568	3667462	53.93%	3.182%
184	12.948	12.931	12.963	VV	456	7614	0.11%	0.007%
185	13.010	12.963	13.168	VV	539095	6502462	95.61%	5.641%
186	13.211	13.168	13.244	VV	404	14956	0.22%	0.013%
187	13.282	13.244	13.327	VV	521	19259	0.28%	0.017%
188	13.384	13.327	13.408	VV	779	19983	0.29%	0.017%
189	13.435	13.408	13.478	VV	1176	24907	0.37%	0.022%
190	13.539	13.478	13.558	VV	1500	28138	0.41%	0.024%
191	13.595	13.558	13.764	VV	509448	6446362	94.79%	5.593%
192	13.837	13.764	13.871	VV	327	15756	0.23%	0.014%
193	13.884	13.871	13.899	VV	270	3904	0.06%	0.003%
194	13.918	13.899	13.950	VV	244	6452	0.09%	0.006%

					rteres			
195	14.028	13.950	14.128	VV	1094	37948	0.56%	0.033%
196	14.153	14.128	14.184	VV	577	12358	0.18%	0.011%
197	14.211	14.184	14.229	VV	335	6566	0.10%	0.006%
198	14.300	14.229	14.373	VV	432	27150	0.40%	0.024%
199	14.396	14.373	14.437	VV	321	11353	0.17%	0.010%
200	14.464	14.437	14.520	VV	340	14734	0.22%	0.013%
201	14.544	14.520	14.571	VV	389	8453	0.12%	0.007%
202	14.592	14.571	14.616	VV	367	6038	0.09%	0.005%
203	14.696	14.616	14.824	VV	491177	6311101	92.80%	5.475%
204	14.866	14.824	14.924	VV	317	9873	0.15%	0.009%
205	14.950	14.924	14.991	PV	199	5316	0.08%	0.005%
206	15.002	14.991	15.031	VV	154	2035	0.03%	0.002%
207	15.076	15.031	15.088	VV	166	2453	0.04%	0.002%
208	15.114	15.088	15.154	VV	176	4085	0.06%	0.004%
209	15.211	15.154	15.247	VV	1181	20538	0.30%	0.018%
210	15.265	15.247	15.290	VV	172	2829	0.04%	0.002%
211	15.407	15.290	15.448	PV	203	11247	0.17%	0.010%
212	15.570	15.448	15.624	VV	306	18241	0.27%	0.016%
213	15.715	15.624	15.831	VV	475768	6171807	90.75%	5.354%
214	15.851	15.831	15.871	VV	153	3238	0.05%	0.003%
215	15.897	15.871	15.930	VV	187	4366	0.06%	0.004%
216	16.005	15.930	16.038	PV	161	5778	0.08%	0.005%
217	16.078	16.038	16.131	VV	114	4414	0.06%	0.004%
218	16.195	16.131	16.264	VV	1742	30012	0.44%	0.026%
219	16.274	16.264	16.295	VV	170	1928	0.03%	0.002%
220	16.359	16.295	16.393	VV	215	6380	0.09%	0.006%
221	16.406	16.393	16.418	VV	117	1437	0.02%	0.001%
222	16.546	16.418	16.578	PV	376	14792	0.22%	0.013%
223	16.663	16.578	16.731	VV	451399	6063367	89.15%	5.260%
224	16.749	16.731	16.791	VV	317	7273	0.11%	0.006%
225	16.812	16.791	16.884	VV	149	3743	0.06%	0.003%
226	16.953	16.884	16.984	VV	318	6427	0.09%	0.006%
227	16.999	16.984	17.044	VV	168	3051	0.04%	0.003%
228	17.111	17.044	17.171	PV	2514	39934	0.59%	0.035%
229	17.248	17.171	17.278	VV	174	7325	0.11%	0.006%
230	17.337	17.278	17.358	VV	245	8419	0.12%	0.007%
231	17.437	17.358	17.481	VV	4667	75858	1.12%	0.066%
232	17.550	17.481	17.613	VV	420390	6116891	89.94%	5.307%
233	17.640	17.613	17.748	VV	430	21798	0.32%	0.019%
234	17.824	17.748	17.901	VV	400	14951	0.22%	0.013%
235	17.969	17.901	18.011	PV	3519	53311	0.78%	0.046%
236	18.139	18.011	18.186	VV	118	8759	0.13%	0.008%
237	18.274	18.186	18.311	PV	230	10952	0.16%	0.010%
238	18.382	18.311	18.471	VV	425715	6043157	88.86%	5.243%
239	18.509	18.471	18.571	VV	202	7981	0.12%	0.007%
240	18.635	18.571	18.658	VV	182	4735	0.07%	0.004%
241	18.774	18.658	18.818	PV	3017	46839	0.69%	0.041%
242	18.956	18.818	18.987	VV	222	9175	0.13%	0.008%
243	19.164	18.987	19.249	PV	428957	5973219	87.83%	5.182%
244	19.319	19.249	19.344	VV	528	18857	0.28%	0.016%
245	19.451	19.344	19.506	VV	3048	182426	2.68%	0.158%
246	19.533	19.506	19.613	VV	3210	102533	1.51%	0.089%

					rteres				
247	19.801	19.613	19.831	VV	1981	128535	1.89%	0.112%	
248	19.903	19.831	20.003	VV	404559	5825520	85.66%	5.054%	
249	20.255	20.003	20.298	VV	3245	305181	4.49%	0.265%	
250	20.428	20.298	20.481	VV	2645	253400	3.73%	0.220%	
251	20.616	20.481	20.741	VV	321516	5922266	87.08%	5.138%	
252	20.765	20.741	20.831	VV	2384	124414	1.83%	0.108%	
253	20.855	20.831	20.881	VV	2229	64875	0.95%	0.056%	
254	20.932	20.881	20.967	VV	2165	107428	1.58%	0.093%	
255	21.011	20.967	21.070	VV	2690	133329	1.96%	0.116%	
256	21.293	21.070	21.391	VV	1949	356782	5.25%	0.310%	
257	21.469	21.391	21.622	VV	233803	5573920	81.96%	4.836%	
258	21.637	21.622	21.662	VV	1272	30341	0.45%	0.026%	
259	21.766	21.662	21.834	VV	1126	112158	1.65%	0.097%	
260	21.847	21.834	21.888	VV	872	25623	0.38%	0.022%	
261	21.983	21.888	22.051	VV	833	65515	0.96%	0.057%	
262	22.066	22.051	22.224	VV	471	24734	0.36%	0.021%	
					Sum of corrected areas:	115264388			

Aliphatic EPH 021125.M Sat Mar 01 01:31:30 2025

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/24/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MSD	SDG No.:	Q1422
Lab Sample ID:	Q1421-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.3
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
FD049143.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.34		0.43	0.95	mg/kg
Aromatic C12-C16	Aromatic C12-C16	16.4		0.48	1.42	mg/kg
Aromatic C16-C21	Aromatic C16-C21	34.2		1.36	2.37	mg/kg
Aromatic C21-C36	Aromatic C21-C36	55.5		2.84	3.79	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.9		40 - 140	112%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	59.1		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.0		40 - 140	64%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1421-03	Acq On:	28 Feb 2025 19:32
Client Sample ID:	P001-CLAY-CF01-01MSD	Operator:	YP/AJ
Data file:	FD049143.D	Misc:	
Instrument:	FID_D	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	15672874	98.559	200	ug/ml
Aromatic C12-C16	5.795	8.396	27922630	173.502	300	ug/ml
Aromatic C16-C21	8.397	12.661	55344709	360.883	500	ug/ml
Aromatic C21-C36	12.662	18.073	83844627	585.856	800	ug/ml
Aromatic EPH	4.076	18.073	182784840	1220		ug/ml
2-Bromonaphthalene (SURRE)	7.352	7.352	8004383	55.93		ug/ml
2-Fluorobiphenyl (SURRE)	8.203	8.203	5197744	59.12		ug/ml
ortho-Terphenyl (SURRE)	11.234	11.234	5182415	32.03		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049143.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 19:32
 Operator : YP/AJ
 Sample : Q1421-03
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 P001-CLAY-CF01-01MSD

Integration File: autoint1.e
 Quant Time: Mar 01 02:21:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 12 12:54:29 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...	7.352	8004383	55.932 ug/ml
Spiked Amount 50.000		Recovery =	111.86%
6) S 2-Fluorobiphenyl (SURR)	8.203	5197744	59.124 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	118.25%
11) S ortho-Terphenyl (SURR)	11.234	5182415	32.035 ug/ml
Spiked Amount 50.000		Recovery =	64.07%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.176	6806303	42.739 ug/ml
2) T Naphthalene (C11.7)	5.693	7499718	47.231 ug/ml
3) T 2-Methylnaphthalene (...)	6.739	7389966	47.465 ug/ml
5) T Acenaphthylene (C15.06)	8.005	8610669	52.954 ug/ml
7) T Acenaphthene (C15.5)	8.300	9186896	55.844 ug/ml
8) T Fluorene (C16.55)	9.079	9395749	59.599 ug/ml
9) T Phenanthrene (C19.36)	10.468	9704487	64.396 ug/ml
10) T Anthracene (C19.43)	10.543	9855802	65.258 ug/ml
12) T Fluoranthene (C21.85)	12.273	10149905	65.774 ug/ml
13) T Pyrene (C20.8)	12.566	9846593	63.915 ug/ml
14) T Benzo[a]anthracene (C...	14.437	9400442	71.546 ug/ml
15) T Chrysene (C27.41)	14.479	9200670	56.904 ug/ml
16) T benzo[b]fluoranthene ...	15.987	9332863	67.829 ug/ml
17) T Bnezo[k]fluoranthene ...	16.022	9405347	59.549 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.362	9010214	66.380 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.734	8902747	81.470 ug/ml
20) T Dibenz[a,h]anthracene...	17.767	9038652	58.261 ug/ml
21) T Benzo[g,h,i]perylene ...	17.984	8820594	60.852 ug/ml

(f)=RT Delta > 1/2 Window

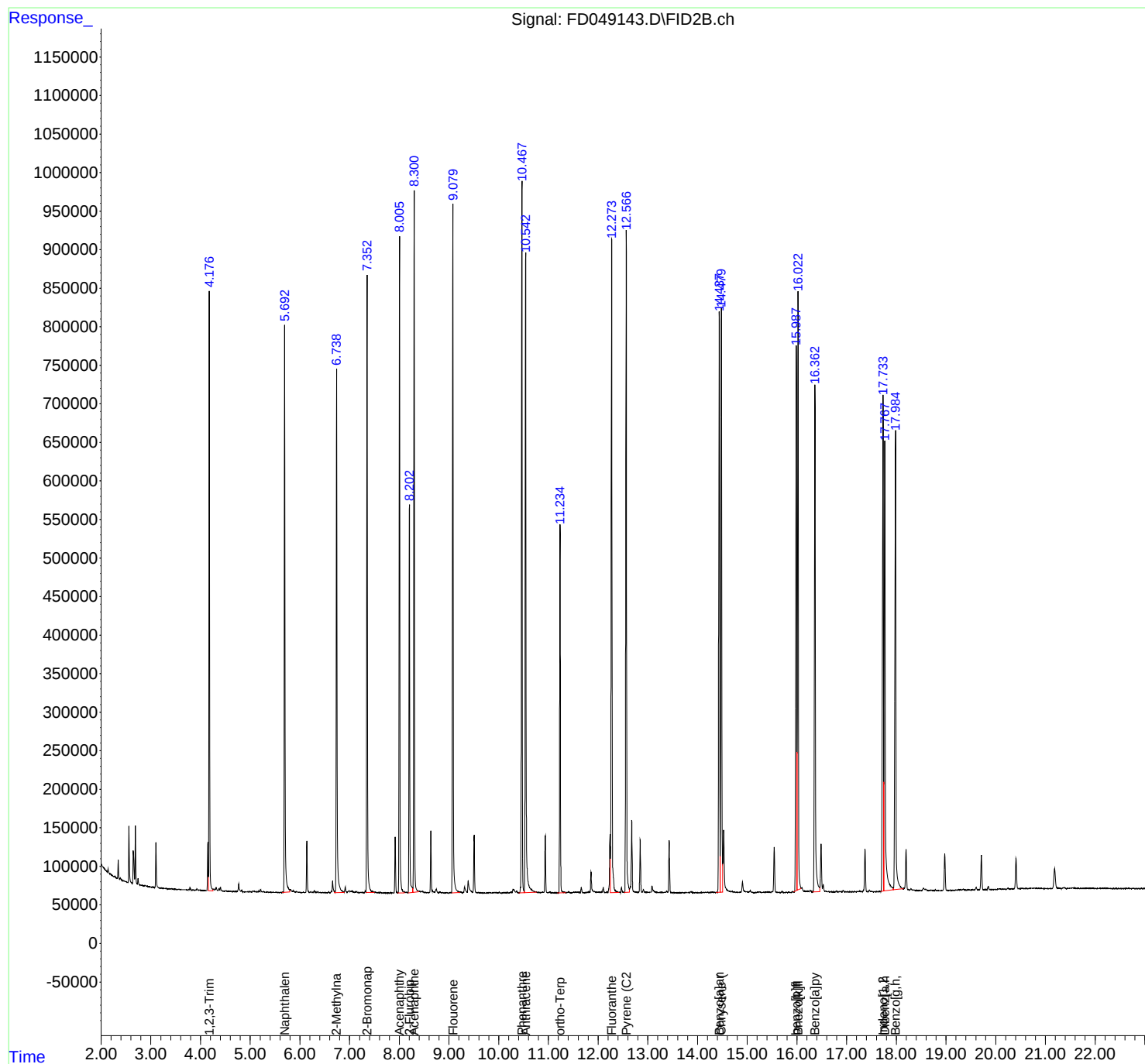
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049143.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 19:32
Operator : YP/AJ
Sample : Q1421-03
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
P001-CLAY-CF01-01MSD

Integration File: autoint1.e
Quant Time: Mar 01 02:21:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049143.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 19:32
 Sample : Q1421-03
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.052	4.042	4.077	BV	152	1824	0.02%	0.001%
2	4.097	4.077	4.123	VV	200	2811	0.03%	0.001%
3	4.147	4.123	4.159	PV	63153	570838	5.59%	0.282%
4	4.176	4.159	4.247	VV	777604	6811089	66.71%	3.366%
5	4.264	4.247	4.283	VV	2518	44255	0.43%	0.022%
6	4.316	4.283	4.354	VV	4700	97915	0.96%	0.048%
7	4.372	4.354	4.387	VV	3581	42915	0.42%	0.021%
8	4.401	4.387	4.469	VV	5387	74932	0.73%	0.037%
9	4.491	4.469	4.498	VV	557	7223	0.07%	0.004%
10	4.514	4.498	4.544	VV	978	14805	0.14%	0.007%
11	4.549	4.544	4.557	VV	330	1801	0.02%	0.001%
12	4.561	4.557	4.570	VV	421	2357	0.02%	0.001%
13	4.583	4.570	4.593	VV	435	3298	0.03%	0.002%
14	4.608	4.593	4.617	VV	342	3178	0.03%	0.002%
15	4.624	4.617	4.642	VV	206	2250	0.02%	0.001%
16	4.648	4.642	4.660	VV	239	1291	0.01%	0.001%
17	4.666	4.660	4.673	PV	202	1068	0.01%	0.001%
18	4.689	4.673	4.709	VV	613	6780	0.07%	0.003%
19	4.714	4.709	4.725	VV	382	2486	0.02%	0.001%
20	4.769	4.725	4.811	VV	10385	149782	1.47%	0.074%
21	4.827	4.811	4.848	VV	2278	26668	0.26%	0.013%
22	4.858	4.848	4.882	VV	430	4562	0.04%	0.002%
23	4.886	4.882	4.891	VV	241	1049	0.01%	0.001%
24	4.898	4.891	4.906	VV	230	1407	0.01%	0.001%
25	4.918	4.906	4.942	VV	220	2878	0.03%	0.001%
26	4.967	4.942	5.002	VV	677	11218	0.11%	0.006%
27	5.005	5.002	5.017	VV	305	1996	0.02%	0.001%
28	5.020	5.017	5.033	VV	386	1872	0.02%	0.001%
29	5.048	5.033	5.114	VV	1629	47163	0.46%	0.023%
30	5.134	5.114	5.151	VV	783	13240	0.13%	0.007%
31	5.177	5.151	5.195	VV	1693	25292	0.25%	0.013%
32	5.211	5.195	5.234	VV	3795	44340	0.43%	0.022%
33	5.236	5.234	5.255	VV	718	8073	0.08%	0.004%
34	5.268	5.255	5.322	VV	1166	20586	0.20%	0.010%
35	5.340	5.322	5.351	VV	618	8137	0.08%	0.004%
36	5.358	5.351	5.380	VV	467	5563	0.05%	0.003%

					rteres			
37	5.383	5.380	5.406	VV	281	3514	0.03%	0.002%
38	5.411	5.406	5.435	VV	287	3793	0.04%	0.002%
39	5.461	5.444	5.494	VV	641	10403	0.10%	0.005%
40	5.517	5.494	5.550	VV	539	12495	0.12%	0.006%
41	5.556	5.550	5.575	VV	427	4592	0.04%	0.002%
42	5.581	5.575	5.595	VV	324	2879	0.03%	0.001%
43	5.607	5.595	5.618	VV	343	2915	0.03%	0.001%
44	5.641	5.618	5.669	PV	299	5438	0.05%	0.003%
45	5.693	5.669	5.800	VV	734408	7561727	74.06%	3.737%
46	5.810	5.800	5.855	VV	4343	90069	0.88%	0.045%
47	5.872	5.855	5.907	VV	2447	49341	0.48%	0.024%
48	5.938	5.907	5.964	VV	1474	35410	0.35%	0.018%
49	5.973	5.964	5.990	VV	652	7722	0.08%	0.004%
50	5.997	5.990	6.008	VV	560	4300	0.04%	0.002%
51	6.019	6.008	6.023	VV	471	2723	0.03%	0.001%
52	6.028	6.023	6.045	VV	418	4213	0.04%	0.002%
53	6.054	6.045	6.058	VV	468	3046	0.03%	0.002%
54	6.065	6.058	6.070	VV	486	3555	0.03%	0.002%
55	6.072	6.070	6.103	VV	590	9105	0.09%	0.005%
56	6.140	6.103	6.193	VV	67007	710905	6.96%	0.351%
57	6.200	6.193	6.205	VV	605	3527	0.03%	0.002%
58	6.221	6.205	6.243	VV	1759	21706	0.21%	0.011%
59	6.261	6.243	6.274	VV	912	10752	0.11%	0.005%
60	6.291	6.274	6.310	VV	3067	35997	0.35%	0.018%
61	6.324	6.310	6.347	VV	1046	12714	0.12%	0.006%
62	6.362	6.347	6.399	VV	1716	21006	0.21%	0.010%
63	6.404	6.399	6.429	VV	348	4618	0.05%	0.002%
64	6.461	6.429	6.466	VV	514	6657	0.07%	0.003%
65	6.472	6.466	6.491	VV	361	3290	0.03%	0.002%
66	6.502	6.491	6.526	VV	403	5043	0.05%	0.002%
67	6.547	6.536	6.552	VV	237	1204	0.01%	0.001%
68	6.577	6.552	6.612	VV	1315	17042	0.17%	0.008%
69	6.631	6.612	6.641	VV	1693	18622	0.18%	0.009%
70	6.658	6.641	6.692	VV	15464	194307	1.90%	0.096%
71	6.700	6.692	6.711	VV	1758	18601	0.18%	0.009%
72	6.739	6.711	6.851	VV	679171	7383052	72.31%	3.649%
73	6.854	6.851	6.881	VV	2477	33866	0.33%	0.017%
74	6.887	6.881	6.891	VV	1471	8334	0.08%	0.004%
75	6.913	6.891	6.949	VV	7638	108444	1.06%	0.054%
76	6.991	6.949	7.011	VV	3213	74290	0.73%	0.037%
77	7.023	7.011	7.037	VV	2116	29343	0.29%	0.015%
78	7.058	7.037	7.082	VV	2231	44437	0.44%	0.022%
79	7.088	7.082	7.096	VV	906	7281	0.07%	0.004%
80	7.117	7.096	7.129	VV	1542	21709	0.21%	0.011%
81	7.145	7.129	7.174	VV	1799	28489	0.28%	0.014%
82	7.177	7.174	7.190	VV	523	3784	0.04%	0.002%
83	7.197	7.190	7.201	VV	451	2479	0.02%	0.001%
84	7.207	7.201	7.216	VV	518	3999	0.04%	0.002%
85	7.232	7.216	7.250	VV	1040	14345	0.14%	0.007%
86	7.256	7.250	7.269	VV	605	6331	0.06%	0.003%
87	7.272	7.269	7.291	VV	581	4459	0.04%	0.002%
88	7.315	7.291	7.328	VV	2492	28344	0.28%	0.014%
89	7.352	7.328	7.504	VV	801757	8084590	79.18%	3.996%

					rteres			
90	7.514	7.504	7.539	VV	1114	19282	0.19%	0.010%
91	7.544	7.539	7.565	VV	777	10551	0.10%	0.005%
92	7.578	7.565	7.595	VV	802	10909	0.11%	0.005%
93	7.621	7.595	7.665	VV	1518	23244	0.23%	0.011%
94	7.678	7.665	7.691	VV	391	2936	0.03%	0.001%
95	7.702	7.691	7.737	VV	451	6081	0.06%	0.003%
96	7.750	7.737	7.774	PV	306	2740	0.03%	0.001%
97	7.792	7.785	7.803	PV	215	1206	0.01%	0.001%
98	7.832	7.803	7.851	VV	452	6992	0.07%	0.003%
99	7.859	7.851	7.873	VV	421	3328	0.03%	0.002%
100	7.918	7.873	7.959	VV	72554	765234	7.49%	0.378%
101	7.966	7.959	7.978	VV	423	4020	0.04%	0.002%
102	8.005	7.978	8.100	VV	851882	8632702	84.55%	4.267%
103	8.113	8.100	8.135	VV	1710	25024	0.25%	0.012%
104	8.148	8.135	8.177	VV	1404	20232	0.20%	0.010%
105	8.203	8.177	8.273	VV	503940	5226608	51.19%	2.583%
106	8.300	8.273	8.374	VV	912589	9249942	90.59%	4.572%
107	8.375	8.374	8.398	VV	3521	39746	0.39%	0.020%
108	8.407	8.398	8.440	VV	2046	46801	0.46%	0.023%
109	8.458	8.440	8.492	VV	2464	56965	0.56%	0.028%
110	8.497	8.492	8.504	VV	841	5350	0.05%	0.003%
111	8.516	8.504	8.540	VV	1431	19998	0.20%	0.010%
112	8.564	8.540	8.597	VV	1002	22135	0.22%	0.011%
113	8.636	8.597	8.712	VV	80870	885631	8.67%	0.438%
114	8.745	8.712	8.786	VV	5378	105642	1.03%	0.052%
115	8.819	8.786	8.850	VV	1807	37017	0.36%	0.018%
116	8.871	8.850	8.898	VV	888	13799	0.14%	0.007%
117	8.908	8.898	8.921	VV	423	3912	0.04%	0.002%
118	8.946	8.921	8.957	VV	673	10071	0.10%	0.005%
119	8.961	8.957	8.970	VV	561	3299	0.03%	0.002%
120	8.974	8.970	8.990	VV	413	3165	0.03%	0.002%
121	9.018	8.999	9.026	VV	804	9065	0.09%	0.004%
122	9.032	9.026	9.037	VV	779	4178	0.04%	0.002%
123	9.041	9.037	9.051	VV	778	4913	0.05%	0.002%
124	9.079	9.051	9.222	VV	893730	9456631	92.62%	4.674%
125	9.236	9.222	9.269	VV	1541	31863	0.31%	0.016%
126	9.314	9.269	9.370	VV	8137	183643	1.80%	0.091%
127	9.386	9.370	9.478	VV	15973	356742	3.49%	0.176%
128	9.506	9.478	9.553	VV	75343	848602	8.31%	0.419%
129	9.557	9.553	9.569	VV	789	6282	0.06%	0.003%
130	9.592	9.569	9.641	VV	976	29599	0.29%	0.015%
131	9.649	9.641	9.670	VV	490	4976	0.05%	0.002%
132	9.685	9.670	9.707	VV	401	5380	0.05%	0.003%
133	9.779	9.730	9.796	PV	561	13417	0.13%	0.007%
134	9.822	9.796	9.843	VV	980	16641	0.16%	0.008%
135	9.857	9.843	9.863	VV	375	3626	0.04%	0.002%
136	9.877	9.863	9.885	VV	641	6582	0.06%	0.003%
137	9.900	9.885	9.915	VV	939	12077	0.12%	0.006%
138	9.932	9.915	9.957	VV	973	16847	0.16%	0.008%
139	9.976	9.957	9.989	VV	517	8146	0.08%	0.004%
140	10.010	9.989	10.036	VV	1599	19088	0.19%	0.009%
141	10.049	10.036	10.057	VV	322	3092	0.03%	0.002%

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142	10.060	10.057	10.072	VV	316	2204	0.02%	0.001%
143	10.097	10.072	10.119	VV	870	16240	0.16%	0.008%
144	10.131	10.119	10.158	VV	927	12583	0.12%	0.006%
145	10.173	10.158	10.204	VV	1017	16348	0.16%	0.008%
146	10.241	10.204	10.245	VV	1242	19318	0.19%	0.010%
147	10.250	10.245	10.270	VV	1326	14116	0.14%	0.007%
148	10.288	10.270	10.294	VV	5085	44328	0.43%	0.022%
149	10.301	10.294	10.343	VV	4770	90742	0.89%	0.045%
150	10.362	10.343	10.402	VV	2787	46194	0.45%	0.023%
151	10.468	10.402	10.515	VV	919186	9737893	95.37%	4.813%
152	10.543	10.515	10.649	VV	826412	9821537	96.19%	4.854%
153	10.655	10.649	10.735	VV	5155	158646	1.55%	0.078%
154	10.739	10.735	10.745	VV	1684	9348	0.09%	0.005%
155	10.751	10.745	10.787	VV	1663	31644	0.31%	0.016%
156	10.802	10.787	10.847	VV	1009	26408	0.26%	0.013%
157	10.850	10.847	10.856	VV	666	3532	0.03%	0.002%
158	10.873	10.856	10.886	VV	1434	18259	0.18%	0.009%
159	10.891	10.886	10.900	VV	1164	8827	0.09%	0.004%
160	10.937	10.900	10.976	VV	74543	880787	8.63%	0.435%
161	10.993	10.976	11.007	VV	990	15777	0.15%	0.008%
162	11.028	11.007	11.088	VV	1310	34538	0.34%	0.017%
163	11.093	11.088	11.105	VV	424	2973	0.03%	0.001%
164	11.119	11.105	11.126	VV	366	3726	0.04%	0.002%
165	11.134	11.126	11.140	VV	371	2645	0.03%	0.001%
166	11.152	11.140	11.175	VV	460	6598	0.06%	0.003%
167	11.179	11.175	11.187	VV	226	1405	0.01%	0.001%
168	11.234	11.200	11.309	PV	478016	5197562	50.90%	2.569%
169	11.323	11.309	11.340	VV	1206	18645	0.18%	0.009%
170	11.343	11.340	11.364	VV	803	9899	0.10%	0.005%
171	11.372	11.364	11.378	VV	984	6608	0.06%	0.003%
172	11.407	11.378	11.435	VV	1922	37632	0.37%	0.019%
173	11.443	11.435	11.457	VV	448	4843	0.05%	0.002%
174	11.463	11.457	11.475	VV	340	3115	0.03%	0.002%
175	11.509	11.475	11.513	VV	1111	17109	0.17%	0.008%
176	11.522	11.513	11.552	VV	1204	24381	0.24%	0.012%
177	11.561	11.552	11.576	VV	1182	15808	0.15%	0.008%
178	11.588	11.576	11.616	VV	1425	27110	0.27%	0.013%
179	11.629	11.616	11.635	VV	827	8822	0.09%	0.004%
180	11.661	11.635	11.694	VV	7342	100043	0.98%	0.049%
181	11.705	11.694	11.721	VV	574	7697	0.08%	0.004%
182	11.731	11.721	11.749	VV	827	11893	0.12%	0.006%
183	11.755	11.749	11.779	VV	959	12231	0.12%	0.006%
184	11.816	11.779	11.837	VV	1893	42894	0.42%	0.021%
185	11.857	11.837	11.920	VV	27368	392477	3.84%	0.194%
186	11.932	11.920	11.959	VV	1876	34073	0.33%	0.017%
187	11.974	11.959	11.996	VV	1358	24934	0.24%	0.012%
188	12.009	11.996	12.035	VV	1284	24418	0.24%	0.012%
189	12.037	12.035	12.046	VV	929	4808	0.05%	0.002%
190	12.103	12.046	12.135	VV	7193	127813	1.25%	0.063%
191	12.147	12.135	12.159	VV	773	8543	0.08%	0.004%
192	12.179	12.159	12.196	VV	2052	26567	0.26%	0.013%
193	12.238	12.196	12.248	VV	76301	831869	8.15%	0.411%
194	12.273	12.248	12.417	VV	852748	10210561	100.00%	5.046%

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195	12.419	12.417	12.425	VV	779	3495	0.03%	0.002%
196	12.440	12.425	12.448	VV	855	11371	0.11%	0.006%
197	12.468	12.448	12.515	VV	7122	103350	1.01%	0.051%
198	12.518	12.515	12.532	VV	803	7169	0.07%	0.004%
199	12.566	12.532	12.631	VV	865346	9902740	96.99%	4.894%
200	12.676	12.631	12.730	VV	94615	1298259	12.71%	0.642%
201	12.736	12.730	12.792	VV	1642	42454	0.42%	0.021%
202	12.846	12.792	12.885	VV	69040	849874	8.32%	0.420%
203	12.910	12.885	12.944	VV	4519	73734	0.72%	0.036%
204	12.961	12.944	12.969	VV	927	11854	0.12%	0.006%
205	12.974	12.969	12.977	VV	822	3842	0.04%	0.002%
206	12.989	12.977	13.007	VV	939	13626	0.13%	0.007%
207	13.012	13.007	13.016	VV	695	3494	0.03%	0.002%
208	13.042	13.016	13.062	VV	1107	24265	0.24%	0.012%
209	13.084	13.062	13.154	VV	9048	187617	1.84%	0.093%
210	13.161	13.154	13.168	VV	949	6925	0.07%	0.003%
211	13.176	13.168	13.216	VV	1013	21493	0.21%	0.011%
212	13.224	13.216	13.239	VV	725	8146	0.08%	0.004%
213	13.260	13.239	13.265	VV	918	12031	0.12%	0.006%
214	13.269	13.265	13.284	VV	825	8548	0.08%	0.004%
215	13.291	13.284	13.297	VV	823	5566	0.05%	0.003%
216	13.303	13.297	13.315	VV	782	6736	0.07%	0.003%
217	13.336	13.315	13.348	VV	839	12204	0.12%	0.006%
218	13.383	13.348	13.402	VV	2198	40734	0.40%	0.020%
219	13.429	13.402	13.476	VV	68084	826651	8.10%	0.409%
220	13.484	13.476	13.506	VV	417	6082	0.06%	0.003%
221	13.536	13.506	13.543	VV	467	7707	0.08%	0.004%
222	13.550	13.543	13.560	VV	326	2244	0.02%	0.001%
223	13.574	13.570	13.587	VV	254	1198	0.01%	0.001%
224	13.601	13.593	13.606	VV	227	1141	0.01%	0.001%
225	13.621	13.613	13.645	PV	96	1363	0.01%	0.001%
226	13.662	13.652	13.668	VV	326	1699	0.02%	0.001%
227	13.686	13.675	13.694	VV	308	2352	0.02%	0.001%
228	13.700	13.694	13.712	VV	279	1992	0.02%	0.001%
229	13.722	13.712	13.733	VV	292	2331	0.02%	0.001%
230	13.743	13.733	13.752	VV	196	1655	0.02%	0.001%
231	13.761	13.752	13.765	VV	288	1903	0.02%	0.001%
232	13.771	13.765	13.795	VV	412	4892	0.05%	0.002%
233	13.799	13.795	13.806	VV	293	1486	0.01%	0.001%
234	13.828	13.806	13.835	VV	532	5605	0.05%	0.003%
235	13.868	13.835	13.896	VV	1781	35299	0.35%	0.017%
236	13.900	13.896	13.929	VV	442	6777	0.07%	0.003%
237	13.959	13.929	13.975	PV	374	5501	0.05%	0.003%
238	13.992	13.975	14.012	VV	364	4836	0.05%	0.002%
239	14.024	14.012	14.042	VV	292	3511	0.03%	0.002%
240	14.047	14.042	14.051	VV	222	1088	0.01%	0.001%
241	14.057	14.051	14.068	VV	476	2482	0.02%	0.001%
242	14.092	14.068	14.113	VV	534	9723	0.10%	0.005%
243	14.128	14.113	14.140	VV	723	8637	0.08%	0.004%
244	14.156	14.140	14.167	VV	685	8714	0.09%	0.004%
245	14.171	14.167	14.179	VV	474	3369	0.03%	0.002%
246	14.190	14.179	14.199	VV	635	5945	0.06%	0.003%

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247	14.201	14.199	14.207	VV	547	2494	0.02%	0.001%
248	14.211	14.207	14.234	VV	560	6331	0.06%	0.003%
249	14.246	14.234	14.271	VV	563	8422	0.08%	0.004%
250	14.301	14.271	14.319	VV	725	14645	0.14%	0.007%
251	14.330	14.319	14.358	VV	770	13114	0.13%	0.006%
252	14.371	14.358	14.387	VV	495	7583	0.07%	0.004%
253	14.392	14.387	14.399	VV	464	2475	0.02%	0.001%
254	14.437	14.399	14.455	VV	753429	9421292	92.27%	4.656%
255	14.479	14.455	14.507	VV	755607	9223421	90.33%	4.559%
256	14.525	14.507	14.666	VV	81419	1467633	14.37%	0.725%
257	14.670	14.666	14.676	VV	1500	7995	0.08%	0.004%
258	14.698	14.676	14.735	VV	1845	47661	0.47%	0.024%
259	14.740	14.735	14.764	VV	1034	14225	0.14%	0.007%
260	14.769	14.764	14.789	VV	757	9427	0.09%	0.005%
261	14.798	14.789	14.816	VV	620	8364	0.08%	0.004%
262	14.832	14.816	14.853	VV	783	13629	0.13%	0.007%
263	14.867	14.853	14.871	VV	681	6814	0.07%	0.003%
264	14.903	14.871	14.975	VV	14292	272159	2.67%	0.135%
265	14.981	14.975	15.017	VV	1413	28794	0.28%	0.014%
266	15.060	15.017	15.081	VV	2602	53162	0.52%	0.026%
267	15.087	15.081	15.096	VV	737	5700	0.06%	0.003%
268	15.105	15.096	15.120	VV	716	5931	0.06%	0.003%
269	15.126	15.120	15.137	VV	302	1937	0.02%	0.001%
270	15.147	15.137	15.165	VV	315	3066	0.03%	0.002%
271	15.175	15.165	15.185	VV	413	3612	0.04%	0.002%
272	15.242	15.185	15.260	VV	1271	28512	0.28%	0.014%
273	15.264	15.260	15.274	VV	664	4142	0.04%	0.002%
274	15.275	15.274	15.286	VV	493	2798	0.03%	0.001%
275	15.288	15.286	15.295	VV	401	1705	0.02%	0.001%
276	15.319	15.295	15.327	VV	506	7068	0.07%	0.003%
277	15.338	15.327	15.345	VV	665	5002	0.05%	0.002%
278	15.352	15.345	15.357	VV	639	4055	0.04%	0.002%
279	15.361	15.357	15.368	VV	621	3422	0.03%	0.002%
280	15.388	15.368	15.394	VV	734	9750	0.10%	0.005%
281	15.397	15.394	15.408	VV	869	5906	0.06%	0.003%
282	15.420	15.408	15.467	VV	819	24666	0.24%	0.012%
283	15.504	15.467	15.512	VV	1496	23618	0.23%	0.012%
284	15.542	15.512	15.576	VV	59045	774946	7.59%	0.383%
285	15.584	15.576	15.618	VV	716	13705	0.13%	0.007%
286	15.633	15.618	15.654	VV	450	5322	0.05%	0.003%
287	15.660	15.654	15.678	VV	237	1702	0.02%	0.001%
288	15.699	15.678	15.745	VV	1497	21848	0.21%	0.011%
289	15.747	15.745	15.777	VV	327	3844	0.04%	0.002%
290	15.784	15.777	15.793	VV	436	2429	0.02%	0.001%
291	15.805	15.793	15.813	VV	341	2646	0.03%	0.001%
292	15.827	15.813	15.856	VV	465	7662	0.08%	0.004%
293	15.863	15.856	15.874	VV	241	2324	0.02%	0.001%
294	15.913	15.874	15.949	VV	1507	34267	0.34%	0.017%
295	15.987	15.949	16.001	VV	709435	9405943	92.12%	4.649%
296	16.022	16.001	16.084	VV	779727	9614362	94.16%	4.752%
297	16.099	16.084	16.137	VV	6515	135808	1.33%	0.067%
298	16.141	16.137	16.174	VV	2011	38155	0.37%	0.019%
299	16.180	16.174	16.186	VV	1603	11122	0.11%	0.005%

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300	16.191	16.186	16.205	VV	1655	17622	0.17%	0.009%
301	16.220	16.205	16.248	VV	1716	38866	0.38%	0.019%
302	16.266	16.248	16.299	VV	3050	55816	0.55%	0.028%
303	16.302	16.299	16.314	VV	1126	8630	0.08%	0.004%
304	16.362	16.314	16.458	VV	658504	9102311	89.15%	4.499%
305	16.485	16.458	16.512	VV	63370	924994	9.06%	0.457%
306	16.528	16.512	16.561	VV	10257	168263	1.65%	0.083%
307	16.565	16.561	16.617	VV	2021	51064	0.50%	0.025%
308	16.622	16.617	16.657	VV	1167	23795	0.23%	0.012%
309	16.665	16.657	16.675	VV	845	8655	0.08%	0.004%
310	16.681	16.675	16.683	VV	740	3579	0.04%	0.002%
311	16.697	16.683	16.718	VV	996	17435	0.17%	0.009%
312	16.723	16.718	16.725	VV	769	3414	0.03%	0.002%
313	16.730	16.725	16.737	VV	818	5004	0.05%	0.002%
314	16.739	16.737	16.750	VV	708	4898	0.05%	0.002%
315	16.753	16.750	16.765	VV	781	5759	0.06%	0.003%
316	16.795	16.765	16.828	VV	1794	42802	0.42%	0.021%
317	16.855	16.828	16.900	VV	1463	43524	0.43%	0.022%
318	16.932	16.900	16.997	VV	2508	67778	0.66%	0.033%
319	17.012	16.997	17.044	VV	989	23107	0.23%	0.011%
320	17.049	17.044	17.078	VV	931	16940	0.17%	0.008%
321	17.083	17.078	17.096	VV	843	7437	0.07%	0.004%
322	17.113	17.096	17.125	VV	884	13431	0.13%	0.007%
323	17.144	17.125	17.154	VV	860	13634	0.13%	0.007%
324	17.164	17.154	17.181	VV	1187	15224	0.15%	0.008%
325	17.185	17.181	17.191	VV	902	5378	0.05%	0.003%
326	17.198	17.191	17.207	VV	956	8053	0.08%	0.004%
327	17.234	17.207	17.241	VV	1132	20298	0.20%	0.010%
328	17.256	17.241	17.288	VV	1546	35348	0.35%	0.017%
329	17.293	17.288	17.312	VV	1234	15198	0.15%	0.008%
330	17.370	17.312	17.407	VV	56292	802346	7.86%	0.397%
331	17.414	17.407	17.424	VV	1160	9965	0.10%	0.005%
332	17.457	17.424	17.486	VV	3058	64042	0.63%	0.032%
333	17.497	17.486	17.513	VV	1082	16320	0.16%	0.008%
334	17.519	17.513	17.545	VV	1046	17432	0.17%	0.009%
335	17.572	17.545	17.590	VV	1071	24613	0.24%	0.012%
336	17.618	17.590	17.638	VV	1038	26047	0.26%	0.013%
337	17.663	17.638	17.677	VV	1240	25906	0.25%	0.013%
338	17.734	17.677	17.746	VV	646147	8963404	87.79%	4.430%
339	17.767	17.746	17.943	VV	585316	9337294	91.45%	4.615%
340	17.984	17.943	18.154	VV	596885	9344801	91.52%	4.619%
341	18.195	18.154	18.229	VV	55883	887184	8.69%	0.438%
342	18.236	18.229	18.262	VV	3659	66226	0.65%	0.033%
343	18.297	18.262	18.300	VBA	4578	84196	0.82%	0.042%
Sum of corrected areas:					202333013			

Aromatic EPH 021125.M Sat Mar 01 04:02:09 2025

Manual Integration Report

Sequence:	FC012425AL	Instrument	FID_c
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB166217BS	FC068112.D	n-Tetracosane (C24)	yogesh	1/27/2025 7:58:19 AM	Ankita	1/27/2025 9:08:07	Peak Integrated by Software
PB166217BSD	FC068113.D	n-Tetracosane (C24)	yogesh	1/27/2025 7:58:22 AM	Ankita	1/27/2025 9:08:09	Peak Integrated by Software
Q1169-01	FC068114.D	1-chlorooctadecane (SURRE)	yogesh	1/27/2025 7:58:21 AM	Ankita	1/27/2025 9:08:11	Peak Integrated by Software
Q1169-01	FC068114.D	ortho-Terphenyl (SURRE)	yogesh	1/27/2025 7:58:21 AM	Ankita	1/27/2025 9:08:11	Peak Integrated by Software
Q1169-05MS	FC068118.D	n-Tetracosane (C24)	yogesh	1/27/2025 7:58:24 AM	Ankita	1/27/2025 9:08:13	Peak Integrated by Software
Q1169-05MSD	FC068119.D	n-Tetracosane (C24)	yogesh	1/27/2025 7:58:25 AM	Ankita	1/27/2025 9:08:16	Peak Integrated by Software
Q1170-01	FC068120.D	1-chlorooctadecane (SURRE)	yogesh	1/27/2025 7:58:26 AM	Ankita	1/27/2025 9:08:18	Peak Integrated by Software
Q1170-02	FC068121.D	1-chlorooctadecane (SURRE)	yogesh	1/27/2025 7:58:28 AM	Ankita	1/27/2025 9:08:20	Peak Integrated by Software
Q1170-02	FC068121.D	ortho-Terphenyl (SURRE)	yogesh	1/27/2025 7:58:28 AM	Ankita	1/27/2025 9:08:20	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068123.D	n-Dotriacontane (C32)	yogesh	1/27/2025 7:58:29 AM	Ankita	1/27/2025 9:08:22	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068123.D	n-Hexatriacontane (C36)	yogesh	1/27/2025 7:58:29 AM	Ankita	1/27/2025 9:08:22	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068123.D	n-Octatriacontane (C38)	yogesh	1/27/2025 7:58:29 AM	Ankita	1/27/2025 9:08:22	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068123.D	n-Tetracontane (C40)	yogesh	1/27/2025 7:58:29 AM	Ankita	1/27/2025 9:08:22	Peak Integrated by Software



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

Manual Integration Report

Sequence:

FC012425AL

Instrument

FID_c

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:

FC022825AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC068331.D	n-Dotriacontane (C32)	yogesh	3/3/2025 8:01:12 AM	 	 	Peak Integrated by Software
Q1447-01	FC068339.D	1-chlorooctadecane (SURR)	yogesh	3/3/2025 8:01:14 AM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:

FD021125AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FD049077.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	2/11/2025 7:39:10 AM	Ankita	2/11/2025 9:13:40	Peak Integrated by Software
20 PPM AROMATIC HC	FD049079.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	2/11/2025 7:39:12 AM	Ankita	2/11/2025 9:13:41	Peak Integrated by Software



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

Manual Integration Report

Sequence:

FD022825AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FD049129.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	3/3/2025 8:01:30 AM	 	 	Peak Integrated by Software
Q1421-01D	FD049141.D	2-Fluorobiphenyl (SURR)	yogesh	3/3/2025 8:01:31 AM	 	 	Peak Integrated by Software

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC012425AL

Review By	yogesh	Review On	1/24/2025 12:20:40 PM
Supervise By	Ankita	Supervise On	1/27/2025 9:08:46 AM
SubDirectory	FC012425AL	HP Acquire Method	HP Processing Method FC012425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC Internal Standard/PEM	PP23647		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23645,PP23650		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068101.D	24 Jan 2025 07:37	YP/AJ	Ok
2	I.BLK	FC068102.D	24 Jan 2025 08:12	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068103.D	24 Jan 2025 08:47	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068104.D	24 Jan 2025 09:23	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC068105.D	24 Jan 2025 09:58	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC068106.D	24 Jan 2025 10:34	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC068107.D	24 Jan 2025 11:10	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC068108.D	24 Jan 2025 11:46	YP/AJ	Ok
9	I.BLK	FC068109.D	24 Jan 2025 12:23	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC068110.D	24 Jan 2025 12:59	YP/AJ	Ok
11	PB166217BL	FC068111.D	24 Jan 2025 13:36	YP/AJ	Ok
12	PB166217BS	FC068112.D	24 Jan 2025 14:12	YP/AJ	Ok,M
13	PB166217BSD	FC068113.D	24 Jan 2025 14:50	YP/AJ	Ok,M
14	Q1169-01	FC068114.D	24 Jan 2025 15:26	YP/AJ	Dilution
15	Q1169-03	FC068115.D	24 Jan 2025 16:03	YP/AJ	Ok
16	Q1169-05	FC068116.D	24 Jan 2025 16:39	YP/AJ	Ok
17	Q1169-05D	FC068117.D	24 Jan 2025 17:17	YP/AJ	Ok
18	Q1169-05MS	FC068118.D	24 Jan 2025 17:53	YP/AJ	Ok,M
19	Q1169-05MSD	FC068119.D	24 Jan 2025 18:30	YP/AJ	Ok,M
20	Q1170-01	FC068120.D	24 Jan 2025 19:06	YP/AJ	Ok,M
21	Q1170-02	FC068121.D	24 Jan 2025 19:43	YP/AJ	Ok,M

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC012425AL

Review By	yogesh	Review On	1/24/2025 12:20:40 PM
Supervise By	Ankita	Supervise On	1/27/2025 9:08:46 AM
SubDirectory	FC012425AL	HP Acquire Method	HP Processing Method FC012425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC Internal Standard/PEM	PP23647		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23645,PP23650		

22	I.BLK	FC068122.D	24 Jan 2025 20:57	YP/AJ	Ok
23	20 PPM ALIPHATIC HC STD	FC068123.D	24 Jan 2025 21:33	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC022825AL

Review By	yogesh	Review On	2/28/2025 11:41:16 AM
Supervise By		Supervise On	
SubDirectory	FC022825AL	HP Acquire Method	HP Processing Method FC021125AL
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	FC068319.D	28 Feb 2025 09:10	YP/AJ	Ok
2	I.BLK	FC068320.D	28 Feb 2025 09:46	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068321.D	28 Feb 2025 10:23	YP/AJ	Ok
4	PB166923BL	FC068322.D	28 Feb 2025 11:00	YP/AJ	Ok
5	PB166923BS	FC068323.D	28 Feb 2025 11:37	YP/AJ	Ok
6	PB166923BSD	FC068324.D	28 Feb 2025 12:13	YP/AJ	Ok
7	Q1415-01	FC068325.D	28 Feb 2025 12:50	YP/AJ	Ok
8	Q1415-02	FC068326.D	28 Feb 2025 13:26	YP/AJ	Ok
9	Q1415-03	FC068327.D	28 Feb 2025 14:03	YP/AJ	Ok
10	Q1415-04	FC068328.D	28 Feb 2025 14:40	YP/AJ	Ok
11	Q1421-07	FC068329.D	28 Feb 2025 15:16	YP/AJ	Ok
12	I.BLK	FC068330.D	28 Feb 2025 15:53	YP/AJ	Ok
13	20 PPM ALIPHATIC HC STD	FC068331.D	28 Feb 2025 16:30	YP/AJ	Ok,NS
14	Q1421-01	FC068332.D	28 Feb 2025 17:44	YP/AJ	Ok
15	Q1421-01D	FC068333.D	28 Feb 2025 18:20	YP/AJ	Ok
16	Q1421-02MS	FC068334.D	28 Feb 2025 18:56	YP/AJ	Ok
17	Q1421-02MS	FC068334.D	28 Feb 2025 18:56	YP/AJ	Ok
18	Q1421-03MSD	FC068335.D	28 Feb 2025 19:32	YP/AJ	Ok
19	Q1421-03MSD	FC068335.D	28 Feb 2025 19:32	YP/AJ	Ok
20	Q1421-09	FC068336.D	28 Feb 2025 20:09	YP/AJ	Ok
21	Q1422-01	FC068337.D	28 Feb 2025 20:46	YP/AJ	Ok

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC022825AL

Review By	yogesh	Review On	2/28/2025 11:41:16 AM
Supervise By		Supervise On	
SubDirectory	FC022825AL	HP Acquire Method	HP Processing Method FC021125AL
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	Q1422-02	FC068338.D	28 Feb 2025 21:22	YP/AJ	Ok
23	Q1447-01	FC068339.D	28 Feb 2025 21:59	YP/AJ	Dilution
24	I.BLK	FC068340.D	28 Feb 2025 23:13	YP/AJ	Ok
25	20 PPM ALIPHATIC HC STD	FC068341.D	28 Feb 2025 23:50	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD021125AR

Review By	yogesh	Review On	2/10/2025 4:12:05 PM
Supervise By	Ankita	Supervise On	2/11/2025 9:13:44 AM
SubDirectory	FD021125AR	HP Acquire Method	HP Processing Method FD021125AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC Internal Standard/PEM	PP23971		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23969,PP23974		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049070.D	10 Feb 2025 12:09	YP/AJ	Ok
2	100 PPM AROMATIC HC STD1	FD049072.D	10 Feb 2025 13:22	YP/AJ	Ok
3	50 PPM AROMATIC HC STD2	FD049073.D	10 Feb 2025 13:58	YP/AJ	Ok
4	20 PPM AROMATIC HC STD3	FD049074.D	10 Feb 2025 14:35	YP/AJ	Ok
5	10 PPM AROMATIC HC STD4	FD049075.D	10 Feb 2025 15:12	YP/AJ	Ok
6	5 PPM AROMATIC HC STD5	FD049076.D	10 Feb 2025 15:48	YP/AJ	Ok
7	20 PPM AROMATIC HC STD ICV	FD049077.D	10 Feb 2025 16:24	YP/AJ	Ok,M
8	I.BLK	FD049078.D	10 Feb 2025 17:01	YP/AJ	Ok
9	20 PPM AROMATIC HC STD	FD049079.D	10 Feb 2025 17:38	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD022825AR

Review By	yogesh	Review On	2/28/2025 11:42:15 AM
Supervise By		Supervise On	
SubDirectory	FD022825AR	HP Acquire Method	HP Processing Method FD021125AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC Internal Standard/PEM	PP23971		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23969,PP24199		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049127.D	28 Feb 2025 09:10	YP/AJ	Ok
2	I.BLK	FD049128.D	28 Feb 2025 09:46	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049129.D	28 Feb 2025 10:23	YP/AJ	Ok,NS
4	PB166923BL	FD049130.D	28 Feb 2025 11:00	YP/AJ	Ok
5	PB166923BS	FD049131.D	28 Feb 2025 11:37	YP/AJ	Ok
6	PB166923BSD	FD049132.D	28 Feb 2025 12:13	YP/AJ	Ok
7	Q1415-01	FD049133.D	28 Feb 2025 12:50	YP/AJ	Ok
8	Q1415-02	FD049134.D	28 Feb 2025 13:26	YP/AJ	Ok
9	Q1415-03	FD049135.D	28 Feb 2025 14:03	YP/AJ	Ok
10	Q1415-04	FD049136.D	28 Feb 2025 14:40	YP/AJ	Ok
11	Q1421-07	FD049137.D	28 Feb 2025 15:16	YP/AJ	Ok
12	I.BLK	FD049138.D	28 Feb 2025 15:53	YP/AJ	Ok
13	20 PPM AROMATIC HC STD	FD049139.D	28 Feb 2025 16:30	YP/AJ	Ok
14	Q1421-01	FD049140.D	28 Feb 2025 17:44	YP/AJ	Ok
15	Q1421-01D	FD049141.D	28 Feb 2025 18:20	YP/AJ	Ok,NS
16	Q1421-02MS	FD049142.D	28 Feb 2025 18:56	YP/AJ	Ok
17	Q1421-02MS	FD049142.D	28 Feb 2025 18:56	YP/AJ	Ok
18	Q1421-03MSD	FD049143.D	28 Feb 2025 19:32	YP/AJ	Ok
19	Q1421-03MSD	FD049143.D	28 Feb 2025 19:32	YP/AJ	Ok
20	Q1421-09	FD049144.D	28 Feb 2025 20:09	YP/AJ	Ok
21	Q1422-01	FD049145.D	28 Feb 2025 20:46	YP/AJ	Ok

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD022825AR

Review By	yogesh	Review On	2/28/2025 11:42:15 AM
Supervise By		Supervise On	
SubDirectory	FD022825AR	HP Acquire Method	HP Processing Method FD021125AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC Internal Standard/PEM	PP23971		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23969,PP24199		

22	Q1422-02	FD049146.D	28 Feb 2025 21:22	YP/AJ	Ok
23	Q1447-01	FD049147.D	28 Feb 2025 21:59	YP/AJ	Dilution
24	I.BLK	FD049148.D	28 Feb 2025 23:13	YP/AJ	Ok
25	20 PPM AROMATIC HC STD	FD049149.D	28 Feb 2025 23:50	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC012425AL

Review By	yogesh	Review On	1/24/2025 12:20:40 PM
Supervise By	Ankita	Supervise On	1/27/2025 9:08:46 AM
SubDirectory	FC012425AL	HP Acquire Method	HP Processing Method FC012425AL

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC Internal Standard/PEM	PP23647
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23645,PP23650

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068101.D	24 Jan 2025 07:37		YP/AJ	Ok
2	I.BLK	I.BLK	FC068102.D	24 Jan 2025 08:12		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC068103.D	24 Jan 2025 08:47		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068104.D	24 Jan 2025 09:23		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068105.D	24 Jan 2025 09:58		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC068106.D	24 Jan 2025 10:34		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC068107.D	24 Jan 2025 11:10		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068108.D	24 Jan 2025 11:46		YP/AJ	Ok
9	I.BLK	I.BLK	FC068109.D	24 Jan 2025 12:23		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068110.D	24 Jan 2025 12:59		YP/AJ	Ok
11	PB166217BL	PB166217BL	FC068111.D	24 Jan 2025 13:36		YP/AJ	Ok
12	PB166217BS	PB166217BS	FC068112.D	24 Jan 2025 14:12		YP/AJ	Ok,M
13	PB166217BSD	PB166217BSD	FC068113.D	24 Jan 2025 14:50		YP/AJ	Ok,M
14	Q1169-01	ARS20-0006	FC068114.D	24 Jan 2025 15:26	need 5x dilution	YP/AJ	Dilution
15	Q1169-03	REGULATOR-BUILDIN	FC068115.D	24 Jan 2025 16:03		YP/AJ	Ok
16	Q1169-05	SPILL-SITE	FC068116.D	24 Jan 2025 16:39		YP/AJ	Ok
17	Q1169-05D	Q1169-05D	FC068117.D	24 Jan 2025 17:17		YP/AJ	Ok
18	Q1169-05MS	SPILL-SITEMS	FC068118.D	24 Jan 2025 17:53	FC068116.D	YP/AJ	Ok,M

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC012425AL

Review By	yogesh	Review On	1/24/2025 12:20:40 PM
Supervise By	Ankita	Supervise On	1/27/2025 9:08:46 AM
SubDirectory	FC012425AL	HP Acquire Method	HP Processing Method FC012425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649		
CCC Internal Standard/PEM	PP23647		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23645,PP23650		

19	Q1169-05MSD	SPILL-SITEMSD	FC068119.D	24 Jan 2025 18:30	FC068116.D!FC068118.D	YP/AJ	Ok,M
20	Q1170-01	OR-03-01232025	FC068120.D	24 Jan 2025 19:06		YP/AJ	Ok,M
21	Q1170-02	OR-03-01232025-E2	FC068121.D	24 Jan 2025 19:43		YP/AJ	Ok,M
22	I.BLK	I.BLK	FC068122.D	24 Jan 2025 20:57		YP/AJ	Ok
23	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068123.D	24 Jan 2025 21:33		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC022825AL

Review By	yogesh	Review On	2/28/2025 11:41:16 AM
Supervise By		Supervise On	
SubDirectory	FC022825AL	HP Acquire Method	HP Processing Method FC021125AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM			
ICV/I.BLK	PP24174,PP24179		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068319.D	28 Feb 2025 09:10		YP/AJ	Ok
2	I.BLK	I.BLK	FC068320.D	28 Feb 2025 09:46		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068321.D	28 Feb 2025 10:23		YP/AJ	Ok
4	PB166923BL	PB166923BL	FC068322.D	28 Feb 2025 11:00		YP/AJ	Ok
5	PB166923BS	PB166923BS	FC068323.D	28 Feb 2025 11:37		YP/AJ	Ok
6	PB166923BSD	PB166923BSD	FC068324.D	28 Feb 2025 12:13		YP/AJ	Ok
7	Q1415-01	B-163-SB01	FC068325.D	28 Feb 2025 12:50		YP/AJ	Ok
8	Q1415-02	B-172-SB01	FC068326.D	28 Feb 2025 13:26		YP/AJ	Ok
9	Q1415-03	B-163-SB02	FC068327.D	28 Feb 2025 14:03		YP/AJ	Ok
10	Q1415-04	B-172-SB02	FC068328.D	28 Feb 2025 14:40		YP/AJ	Ok
11	Q1421-07	P001-CLAY-CF01-02	FC068329.D	28 Feb 2025 15:16		YP/AJ	Ok
12	I.BLK	I.BLK	FC068330.D	28 Feb 2025 15:53		YP/AJ	Ok
13	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068331.D	28 Feb 2025 16:30		YP/AJ	Ok,NS
14	Q1421-01	P001-CLAY-CF01-01	FC068332.D	28 Feb 2025 17:44		YP/AJ	Ok
15	Q1421-01D	Q1421-01D	FC068333.D	28 Feb 2025 18:20		YP/AJ	Ok
16	Q1421-02MS	P001-CLAY-CF01-01M	FC068334.D	28 Feb 2025 18:56	FC068332.D	YP/AJ	Ok
17	Q1421-02MS	Q1421-01MSMS	FC068334.D	28 Feb 2025 18:56	FC068332.D	YP/AJ	Ok
18	Q1421-03MSD	P001-CLAY-CF01-01M	FC068335.D	28 Feb 2025 19:32	FC068332.D!FC068334.D	YP/AJ	Ok

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC022825AL

Review By	yogesh	Review On	2/28/2025 11:41:16 AM
Supervise By		Supervise On	
SubDirectory	FC022825AL	HP Acquire Method	HP Processing Method FC021125AL
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		

19	Q1421-03MSD	Q1421-01MSDMSD	FC068335.D	28 Feb 2025 19:32	FC068332.D!FC068334.D	YP/AJ	Ok
20	Q1421-09	P001-CLAY-CF02-01	FC068336.D	28 Feb 2025 20:09		YP/AJ	Ok
21	Q1422-01	B-154-SB01	FC068337.D	28 Feb 2025 20:46		YP/AJ	Ok
22	Q1422-02	B-154-SB02	FC068338.D	28 Feb 2025 21:22		YP/AJ	Ok
23	Q1447-01	WC1	FC068339.D	28 Feb 2025 21:59	need 10x & 100x dilution	YP/AJ	Dilution
24	I.BLK	I.BLK	FC068340.D	28 Feb 2025 23:13		YP/AJ	Ok
25	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068341.D	28 Feb 2025 23:50		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD021125AR

Review By	yogesh	Review On	2/10/2025 4:12:05 PM
Supervise By	Ankita	Supervise On	2/11/2025 9:13:44 AM
SubDirectory	FD021125AR	HP Acquire Method	HP Processing Method
			FD021125AR

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049070.D	10 Feb 2025 12:09		YP/AJ	Ok
2	100 PPM AROMATIC HC	100 PPM AROMATIC HC	FD049072.D	10 Feb 2025 13:22		YP/AJ	Ok
3	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD049073.D	10 Feb 2025 13:58		YP/AJ	Ok
4	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049074.D	10 Feb 2025 14:35		YP/AJ	Ok
5	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD049075.D	10 Feb 2025 15:12		YP/AJ	Ok
6	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD049076.D	10 Feb 2025 15:48		YP/AJ	Ok
7	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049077.D	10 Feb 2025 16:24		YP/AJ	Ok,M
8	I.BLK	I.BLK	FD049078.D	10 Feb 2025 17:01		YP/AJ	Ok
9	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049079.D	10 Feb 2025 17:38		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD022825AR

Review By	yogesh	Review On	2/28/2025 11:42:15 AM
Supervise By		Supervise On	
SubDirectory	FD022825AR	HP Acquire Method	HP Processing Method FD021125AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC	PP23971		
Internal Standard/PEM			
ICV/I.BLK	PP23969,PP24199		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049127.D	28 Feb 2025 09:10		YP/AJ	Ok
2	I.BLK	I.BLK	FD049128.D	28 Feb 2025 09:46		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049129.D	28 Feb 2025 10:23		YP/AJ	Ok,NS
4	PB166923BL	PB166923BL	FD049130.D	28 Feb 2025 11:00		YP/AJ	Ok
5	PB166923BS	PB166923BS	FD049131.D	28 Feb 2025 11:37		YP/AJ	Ok
6	PB166923BSD	PB166923BSD	FD049132.D	28 Feb 2025 12:13		YP/AJ	Ok
7	Q1415-01	B-163-SB01	FD049133.D	28 Feb 2025 12:50		YP/AJ	Ok
8	Q1415-02	B-172-SB01	FD049134.D	28 Feb 2025 13:26		YP/AJ	Ok
9	Q1415-03	B-163-SB02	FD049135.D	28 Feb 2025 14:03		YP/AJ	Ok
10	Q1415-04	B-172-SB02	FD049136.D	28 Feb 2025 14:40		YP/AJ	Ok
11	Q1421-07	P001-CLAY-CF01-02	FD049137.D	28 Feb 2025 15:16		YP/AJ	Ok
12	I.BLK	I.BLK	FD049138.D	28 Feb 2025 15:53		YP/AJ	Ok
13	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049139.D	28 Feb 2025 16:30		YP/AJ	Ok
14	Q1421-01	P001-CLAY-CF01-01	FD049140.D	28 Feb 2025 17:44		YP/AJ	Ok
15	Q1421-01D	Q1421-01D	FD049141.D	28 Feb 2025 18:20		YP/AJ	Ok,NS
16	Q1421-02MS	P001-CLAY-CF01-01M	FD049142.D	28 Feb 2025 18:56	FD049140.D	YP/AJ	Ok
17	Q1421-02MS	Q1421-01MSMS	FD049142.D	28 Feb 2025 18:56	FD049140.D	YP/AJ	Ok
18	Q1421-03MSD	P001-CLAY-CF01-01M	FD049143.D	28 Feb 2025 19:32	FD049140.D!FD049142.D	YP/AJ	Ok

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD022825AR

Review By	yogesh	Review On	2/28/2025 11:42:15 AM
Supervise By		Supervise On	
SubDirectory	FD022825AR	HP Acquire Method	HP Processing Method FD021125AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973		
CCC Internal Standard/PEM	PP23971		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23969,PP24199		

19	Q1421-03MSD	Q1421-01MSDMSD	FD049143.D	28 Feb 2025 19:32	FD049140.D!FD049142.D	YP/AJ	Ok
20	Q1421-09	P001-CLAY-CF02-01	FD049144.D	28 Feb 2025 20:09		YP/AJ	Ok
21	Q1422-01	B-154-SB01	FD049145.D	28 Feb 2025 20:46		YP/AJ	Ok
22	Q1422-02	B-154-SB02	FD049146.D	28 Feb 2025 21:22		YP/AJ	Ok
23	Q1447-01	WC1	FD049147.D	28 Feb 2025 21:59	need 25x dilution	YP/AJ	Dilution
24	I.BLK	I.BLK	FD049148.D	28 Feb 2025 23:13		YP/AJ	Ok
25	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049149.D	28 Feb 2025 23:50		YP/AJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/26/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:45
In Date: 02/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 02/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134794

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
Q1422-01	B-154-SB01	1	1.15	8.52	9.67	8.68	88.4	
Q1422-02	B-154-SB02	2	1.16	8.49	9.65	8.57	87.3	
Q1426-02	50483	3	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1427-01	VNJ-227	4	1.15	8.71	9.86	8.61	85.6	
Q1428-01	NB-07-022525	5	1.18	8.42	9.6	9.06	93.6	
Q1428-02	NB-07-022525-E2	6	1.17	8.50	9.67	9.04	92.6	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

134794

WorkList Name : %1-022525

WorkList ID : 187856

Department : Wet-Chemistry

Date : 02-25-2025 08:00:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1422-01	B-154-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	H33	02/23/2025	Chemtech -SO
Q1422-02	B-154-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	H33	02/23/2025	Chemtech -SO
Q1426-02	50483	Solid	Percent Solids	Cool 4 deg C	PSEG03	H33	02/23/2025	Chemtech -SO
Q1427-01	VNJ-227	Solid	Percent Solids	Cool 4 deg C	PSEG03	H21	02/25/2025	Chemtech -SO
Q1428-01	NB-07-022525	Solid	Percent Solids	Cool 4 deg C	PSEG05	H21	02/25/2025	Chemtech -SO
Q1428-02	NB-07-022525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H21	02/25/2025	Chemtech -SO

15440
02/25/25

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

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 : 02/27/2025

Extraction Start Time : 13:10

Extraction End Date : 02/28/2025

Extraction End Time : 10:45

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel

☐ Continous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24207
Surrogate	1.0ML	100 PPM	PP24119
Fractionation Surrogate	1.0ML	100 PPM	PP24108
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2591
Baked Na2SO4	N/A	EP2590
Sand	N/A	E2865
Hexane	N/A	E3877
Methylene Chloride	N/A	E3878
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

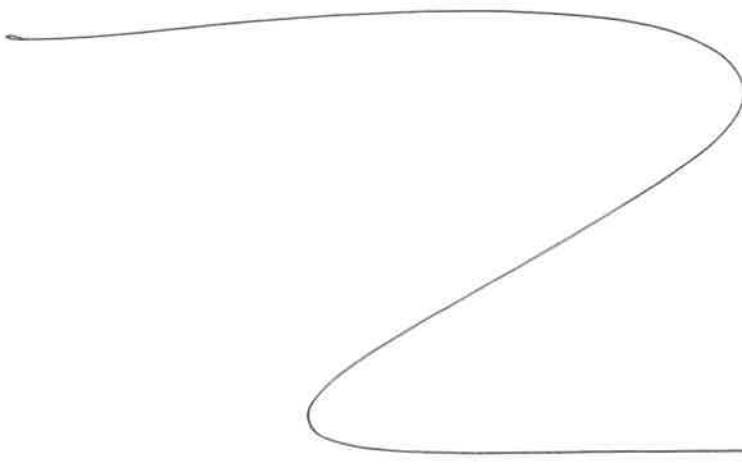
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
2/28/25	RS (Ext-Lab)	Y.P. Post-PCR
10:50	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 02/28/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166923BL	PB166923BL	EPH	30.02	N/A	ritesh	Evelyn	2			U2-1
PB166923BS	PB166923BS	EPH	30.03	N/A	ritesh	Evelyn	2			2
PB166923BSD	PB166923BSD	EPH	30.02	N/A	ritesh	Evelyn	2			3
Q1415-01	B-163-SB01	EPH	30.06	N/A	ritesh	Evelyn	2	E		4
Q1415-02	B-172-SB01	EPH	30.05	N/A	ritesh	Evelyn	2	E		5
Q1415-03	B-163-SB02	EPH	30.03	N/A	ritesh	Evelyn	2	E		6
Q1415-04	B-172-SB02	EPH	30.08	N/A	ritesh	Evelyn	2	E		U6-1
Q1421-01	P001-CLAY-CF01-01	EPH	30.05	N/A	ritesh	Evelyn	2	E		2
Q1421-01DUP	P001-CLAY-CF01-01DUP	EPH	30.04	N/A	ritesh	Evelyn	2	E		3
Q1421-02	Q1421-01MS	EPH	30.07	N/A	ritesh	Evelyn	2	E		4
Q1421-03	Q1421-01MSD	EPH	30.03	N/A	ritesh	Evelyn	2	E		5
Q1421-07	P001-CLAY-CF01-02	EPH	30.06	N/A	ritesh	Evelyn	2	F		6
Q1421-09	P001-CLAY-CF02-01	EPH	30.02	N/A	ritesh	Evelyn	2	E		U3-1
Q1422-01	B-154-SB01	EPH	30.07	N/A	ritesh	Evelyn	2	E		2
Q1422-02	B-154-SB02	EPH	30.05	N/A	ritesh	Evelyn	2	E		3
Q1447-01	WC1	EPH	30.01	N/A	ritesh	Evelyn	2	B		4



RS
2/28

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1447

WorkList ID : 187944

Department : Extraction

Date : 02-27-2025 13:05:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1415-01	B-163-SB01	Solid	EPH	Cool 4 deg C	PORT06	N31	02/22/2025	NJEPH
Q1415-02	B-172-SB01	Solid	EPH	Cool 4 deg C	PORT06	N31	02/22/2025	NJEPH
Q1415-03	B-163-SB02	Solid	EPH	Cool 4 deg C	PORT06	N31	02/22/2025	NJEPH
Q1415-04	B-172-SB02	Solid	EPH	Cool 4 deg C	PORT06	N31	02/22/2025	NJEPH
Q1421-01	P001-CLAY-CF01-01	Solid	EPH	Cool 4 deg C	ROYF02	H31	02/24/2025	NJEPH
Q1421-02	Q1421-01MS	Solid	EPH	Cool 4 deg C	ROYF02	H31	02/24/2025	NJEPH
Q1421-03	Q1421-01MSD	Solid	EPH	Cool 4 deg C	ROYF02	H31	02/24/2025	NJEPH
Q1421-07	P001-CLAY-CF01-02	Solid	EPH	Cool 4 deg C	ROYF02	H31	02/24/2025	NJEPH
Q1421-09	P001-CLAY-CF02-01	Solid	EPH	Cool 4 deg C	ROYF02	H31	02/24/2025	NJEPH
Q1422-01	B-154-SB01	Solid	EPH	Cool 4 deg C	PORT06	H33	02/23/2025	NJEPH
Q1422-02	B-154-SB02	Solid	EPH	Cool 4 deg C	PORT06	H33	02/23/2025	NJEPH
Q1447-01	WC1	Solid	EPH	Cool 4 deg C	GENV01	H33	02/23/2025	NJEPH

Date/Time 2/27/25 13:05
 Raw Sample Received by: RJ (Ext-04)
 Raw Sample Relinquished by: CJ SN

Date/Time 2/27/25 13:30
 Raw Sample Received by: CJ SN
 Raw Sample Relinquished by: RJ (Ext-04)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannett Fleming
ADDRESS: 1010 Abrams ave
CITY: Audebon STATE: PA ZIP: 19403
ATTENTION: Joe Krupansky
PHONE: 600-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Replacement of SB
PROJECT NO.: 95000878 LOCATION: Kearny, NJ
PROJECT MANAGER: Joe Krupansky
e-mail: Joe.K@BEMSYS.com
PHONE: 610-309-342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Chemtech PO#:
ADDRESS: 284 Sheffield
CITY: Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samantha Beasy PHONE: 908-728-3148

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ 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) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT BEM EDD

1. TLV VOC+10
2. TLV PAHs
3. TLV (LVI) (C/LVI)
4. TAL Metals
5. EPA
6. PCBs

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	B-194-SB01	S			7/2/23	1500	6	X	X	X	X	X	X				
2.	B-194-SB02	S		X	7/2/23	1930	6	X	X	X	X	X	X				
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 2/24/25 4:50	RECEIVED BY: 2. [Signature]	2.25.215 0700	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.7°C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.		Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.		



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1422	PORT06	Order Date : 2/25/2025 10:47:00 AM	Project Mgr :
Client Name : Portal Partners Tri-Venture		Project Name : Amtrak Sawtooth Bridges 2	Report Type : NJ Reduced
Client Contact : Joseph Krupansky		Receive DateTime : 2/25/2025 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 :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1422-01	B-154-SB01	Solid	02/23/2025	15:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1422-02	B-154-SB02	Solid	02/23/2025	15:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By :

Date / Time :

2/25/25 11:05

Received By :

Date / Time :

02/25/25 11:05 Agt # 6

Storage Area : VOA Refridgerator Room

P22