

Cover Page

Order ID : Q1447

Project ID : Nelson

Client : G Environmental

Lab Sample Number

Q1447-01

Q1447-02

Client Sample Number

WC1

WC1

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: 3/7/2025

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 #: Q1447

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: KORI AMARNATH

Date: 03/07/2025

LAB CHRONICLE

OrderID: Q1447	OrderDate: 2/26/2025 2:32:53 PM
Client: G Environmental	Project: Nelson
Contact: Gary Landis	Location: H31,H33,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1447-01	WC1	SOIL			02/23/25			02/26/25
			PCB	8082A		02/27/25	02/27/25	
			EPH	NJEPH		02/27/25	02/28/25	
			EPH	NJEPH		02/27/25	03/03/25	
			EPH	NJEPH		02/27/25	03/05/25	



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM CASE No.: Q1447 SAS No.: Q1447 SDG No.: Q1447
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
WC1	95			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: GENV01
Lab Code: CHEM CASE No.: Q1447 SAS No.: Q1447 SDG No.: Q1447
Run Number: FC030425AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
WCIDL	107			0
WCIDL2	0 *			1

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: GENV01
Lab Code: CHEM CASE No.: Q1447 SAS No.: Q1447 SDG No.: Q1447
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
WC1	114	122	136	0

QC LIMITS

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

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

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM CASE No.: Q1447 SAS No.: Q1447 SDG No.: Q1447
Run Number: FD030325AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
WCIDL	109	108	138	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:** G Environmental
Lab Code: CHEM **Cas No:** Q1447 **SAS No :** Q1447 **SDG No:** Q1447
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:** G Environmental
Lab Code: CHEM **Cas No:** Q1447 **SAS No :** Q1447 **SDG No:** Q1447
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:** G Environmental
Lab Code: CHEM **Cas No:** Q1447 **SAS No :** Q1447 **SDG No:** Q1447
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:** G Environmental
Lab Code: CHEM **Cas No:** Q1447 **SAS No :** Q1447 **SDG No:** Q1447
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:** G Environmental
Lab Code: CHEM **Cas No:** Q1447 **SAS No :** Q1447 **SDG No:** Q1447
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:** G Environmental
Lab Code: CHEM **Cas No:** Q1447 **SAS No :** Q1447 **SDG No:** Q1447
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:** G Environmental
Lab Code: CHEM **Cas No:** Q1447 **SAS No :** Q1447 **SDG No:** Q1447
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:** G Environmental
Lab Code: CHEM **Cas No:** Q1447 **SAS No :** Q1447 **SDG No:** Q1447
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: GENV01

Lab Code: CHEM Case No.: Q1447

SAS No.: Q1447 SDG NO.: Q1447

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
PB166923BSD	PB166923BSD
WC1	Q1447-01

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/27/25 13:10	03/05/25 7:38	PB166923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	28.8		10	4.11	10.8	mg/kg FC068362.D
Aliphatic C12-C16	Aliphatic C12-C16	94.9		10	2.60	7.21	mg/kg FC068362.D
Aliphatic C16-C21	Aliphatic C16-C21	691		100	32.5	108	mg/kg FC068363.D
Aliphatic C21-C28	Aliphatic C21-C28	1030		100	86.6	144	mg/kg FC068363.D
Aliphatic C28-C40	Aliphatic C28-C40	992		100	194	216	mg/kg FC068363.D
Aromatic C10-C12	Aromatic C10-C12	8.91		1	0.33	0.72	mg/kg FD049147.D
Aromatic C12-C16	Aromatic C12-C16	8.79		1	0.37	1.08	mg/kg FD049147.D
Aromatic C16-C21	Aromatic C16-C21	337		25	26.0	45.1	mg/kg FD049153.D
Aromatic C21-C36	Aromatic C21-C36	724		25	54.1	72.1	mg/kg FD049153.D
Total AliphaticEPH	Total AliphaticEPH	2840			320	486	mg/kg
Total AromaticEPH	Total AromaticEPH	1080			80.8	119	mg/kg
Total EPH	Total EPH	3920			401	605	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:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068339.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	31.0	E	0.41	1.08	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	85.5	E	0.26	0.72	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	666	E	0.33	1.08	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1050	E	0.87	1.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	841	E	1.95	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.7		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1447-01	Acq On:	28 Feb 2025 21:59
Client Sample ID:	WC1	Operator:	YP/AJ
Data file:	FC068339.D	Misc:	
Instrument:	FID_C	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.369	60697755	430.372	300	ug/ml
Aliphatic C12-C16	6.370	9.754	161996459	1190	200	ug/ml
Aliphatic C16-C21	9.755	13.107	1215480389	9230	300	ug/ml
Aliphatic C21-C28	13.108	16.761	1780882408	14500	400	ug/ml
Aliphatic C28-C40	16.762	21.565	1199218443	11700	600	ug/ml
Aliphatic EPH	3.104	21.565	4418275454	37000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.867	12.867	5369083	47.74		ug/ml
Aliphatic C9-C28	3.104	16.761	3219057011	25400	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068339.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 21:59
Operator : YP/AJ
Sample : Q1447-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WC1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025

Integration File: autoint1.e
Quant Time: Mar 05 05:25:43 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...	12.867	5369083	47.736 ug/mlm
Spiked Amount	50.000	Recovery	= 95.47%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068339.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 21:59
Operator : YP/AJ
Sample : Q1447-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

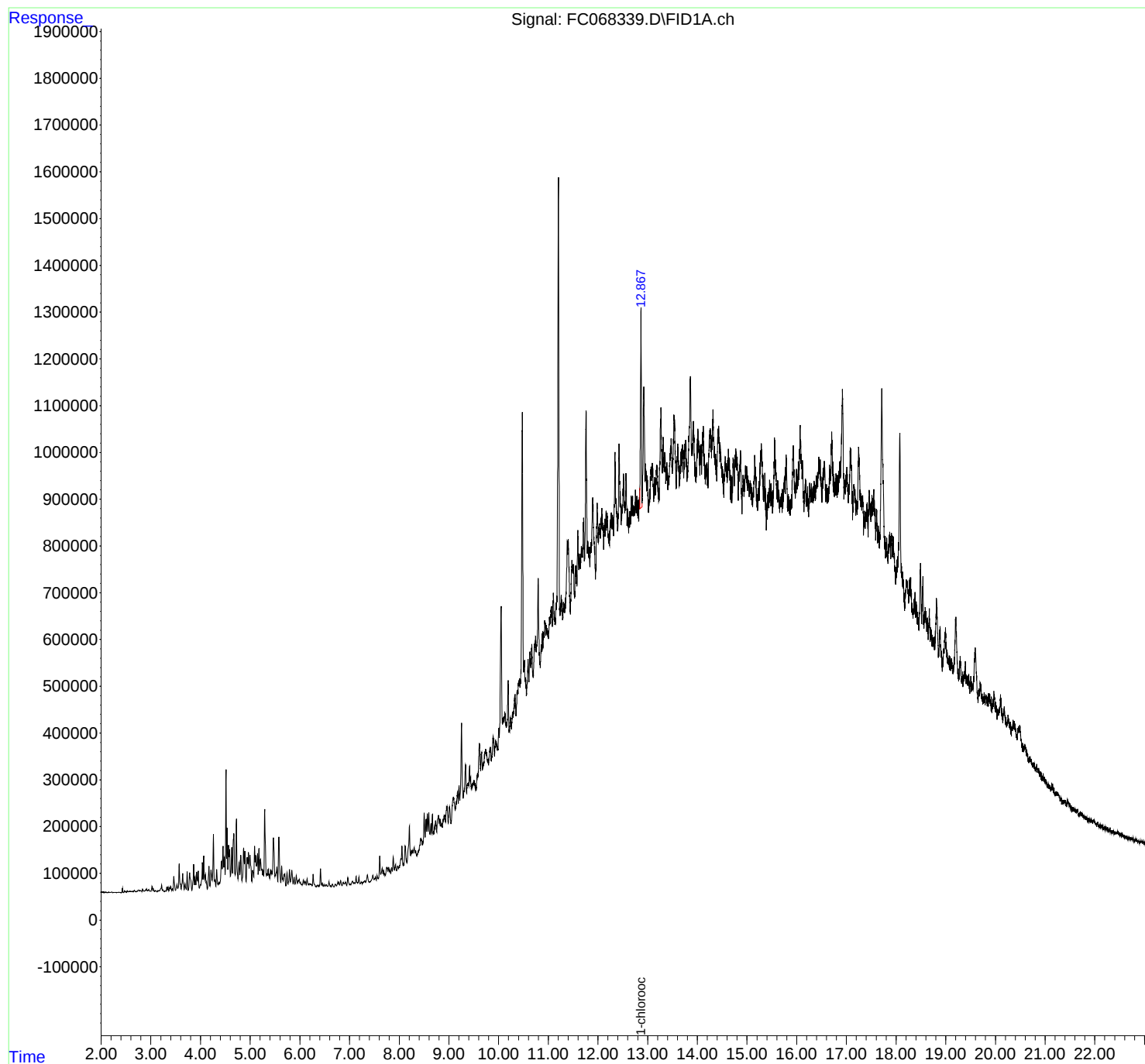
Instrument :
FID_C
ClientSampleId :
WC1

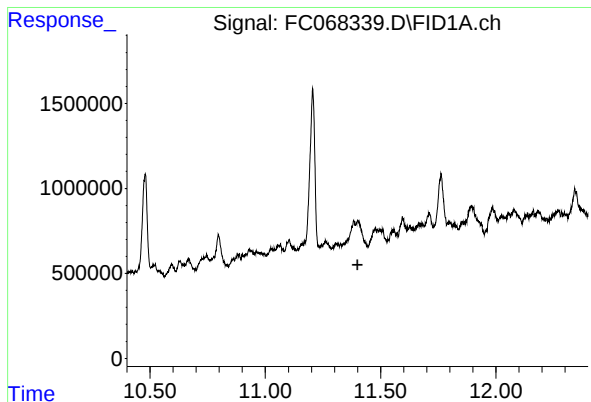
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025

Integration File: autoint1.e
Quant Time: Mar 05 05:25:43 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





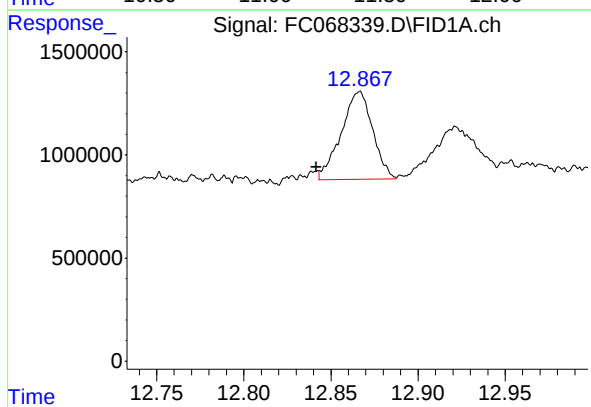
#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
WC1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025



#12 1-chlorooctadecane (SURR)

R.T.: 12.867 min
Delta R.T.: 0.025 min
Response: 5369083
Conc: 47.74 ug/ml m

rteres

Instrument :

FID_C

ClientSampleId :

WC1

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC02282
Data File : FC068339.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 21:59
Sample : Q1447-01
Misc :
ALS Vial : 26 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	2.356	2.305	2.371	BV	686	7734	0.01%	0.000%
2	2.387	2.371	2.407	VV	247	2548	0.00%	0.000%
3	2.428	2.407	2.453	PV	8898	69132	0.09%	0.002%
4	2.472	2.453	2.507	PV	3606	54138	0.07%	0.001%
5	2.524	2.507	2.538	VV	3512	36969	0.05%	0.001%
6	2.554	2.538	2.571	VV	2385	35089	0.05%	0.001%
7	2.588	2.571	2.625	VV	1724	48224	0.06%	0.001%
8	2.670	2.625	2.695	VV	4165	92608	0.12%	0.002%
9	2.709	2.695	2.720	VV	1654	22346	0.03%	0.001%
10	2.752	2.720	2.768	VV	4601	85003	0.11%	0.002%
11	2.785	2.768	2.818	VV	4029	78408	0.10%	0.002%
12	2.836	2.818	2.855	VV	6305	75522	0.10%	0.002%
13	2.865	2.855	2.878	VV	2329	28406	0.04%	0.001%
14	2.913	2.878	2.929	VV	6919	116477	0.15%	0.003%
15	2.957	2.929	2.982	VV	4646	90939	0.12%	0.002%
16	3.026	2.982	3.039	VV	11534	163119	0.21%	0.004%
17	3.049	3.039	3.088	VV	6824	85989	0.11%	0.002%
18	3.097	3.088	3.123	VV	1740	24645	0.03%	0.001%
19	3.145	3.123	3.158	VV	2264	25581	0.03%	0.001%
20	3.172	3.158	3.180	VV	2452	22804	0.03%	0.001%
21	3.218	3.180	3.277	VV	13746	253410	0.33%	0.006%
22	3.322	3.277	3.334	PV	9708	96508	0.13%	0.002%
23	3.347	3.334	3.363	VV	9379	91555	0.12%	0.002%
24	3.402	3.363	3.423	VV	10288	202282	0.26%	0.005%
25	3.463	3.423	3.496	VV	31139	465901	0.61%	0.011%
26	3.527	3.496	3.544	VV	13843	223108	0.29%	0.005%
27	3.571	3.544	3.611	VV	57805	821153	1.07%	0.019%
28	3.642	3.611	3.672	VV	37576	613978	0.80%	0.014%
29	3.688	3.672	3.714	VV	15549	212692	0.28%	0.005%
30	3.732	3.714	3.753	VV	41067	370348	0.48%	0.008%
31	3.782	3.753	3.827	VV	38801	783901	1.02%	0.018%
32	3.863	3.827	3.877	VV	56412	699452	0.91%	0.016%
33	3.890	3.877	3.907	VV	30059	388700	0.51%	0.009%
34	3.923	3.907	3.940	VV	38946	516788	0.67%	0.012%
35	3.955	3.940	3.977	VV	41914	513100	0.67%	0.012%
36	4.038	3.977	4.050	VV	59683	973048	1.27%	0.022%

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37	4.065	4.050	4.087	VV	73760	954029	1.24%	0.022%	
38	4.099	4.087	4.138	VV	33964	581052			
39	4.171	4.138	4.190	VV	51519	739168			
40	4.213	4.190	4.235	VV	43100	737019			
41	4.261	4.235	4.285	VV	118433	1577064			
42	4.293	4.285	4.308	VV	21903	236468			
43	4.326	4.308	4.349	VV	44399	608629	0.79%	0.014%	
44	4.376	4.349	4.387	VV	16965	321363	0.42%	0.007%	
45	4.424	4.387	4.437	VV	61347	1166551	1.52%	0.026%	
46	4.454	4.437	4.469	VV	92820	1297128	1.69%	0.029%	
47	4.483	4.469	4.496	VV	69876	934845	1.22%	0.021%	
48	4.514	4.496	4.528	VV	256997	2561313	3.33%	0.058%	
49	4.537	4.528	4.552	VV	132425	1314152	1.71%	0.030%	
50	4.567	4.552	4.578	VV	94649	1206537	1.57%	0.027%	
51	4.585	4.578	4.604	VV	85431	925677	1.20%	0.021%	
52	4.630	4.604	4.645	VV	89964	1381235	1.80%	0.031%	
53	4.671	4.645	4.697	VV	120148	2424726	3.15%	0.055%	
54	4.723	4.697	4.755	VV	148115	2195779	2.86%	0.050%	
55	4.777	4.755	4.793	VV	57416	948163	1.23%	0.021%	
56	4.812	4.793	4.834	VV	73375	1169875	1.52%	0.026%	
57	4.869	4.834	4.884	VV	88768	1532253	1.99%	0.035%	
58	4.896	4.884	4.918	VV	81405	1049348	1.36%	0.024%	
59	4.940	4.918	4.951	VV	67761	945480	1.23%	0.021%	
60	4.966	4.951	4.979	VV	78186	1053380	1.37%	0.024%	
61	4.997	4.979	5.033	VV	73245	1647020	2.14%	0.037%	
62	5.050	5.033	5.070	VV	39692	715796	0.93%	0.016%	
63	5.090	5.070	5.102	VV	91063	1189786	1.55%	0.027%	
64	5.111	5.102	5.124	VV	72196	815117	1.06%	0.018%	
65	5.148	5.124	5.162	VV	76602	1267917	1.65%	0.029%	
66	5.177	5.162	5.193	VV	86248	1115356	1.45%	0.025%	
67	5.208	5.193	5.252	VV	63019	1642018	2.14%	0.037%	
68	5.264	5.252	5.274	VV	38817	453820	0.59%	0.010%	
69	5.292	5.274	5.325	VV	170561	2690138	3.50%	0.061%	
70	5.333	5.325	5.346	VV	32236	392218	0.51%	0.009%	
71	5.361	5.346	5.394	VV	42085	921734	1.20%	0.021%	
72	5.411	5.394	5.424	VV	39801	602887	0.78%	0.014%	
73	5.435	5.424	5.445	VV	37489	427601	0.56%	0.010%	
74	5.468	5.445	5.499	VV	107727	2162325	2.81%	0.049%	
75	5.538	5.499	5.555	VV	46543	1100334	1.43%	0.025%	
76	5.578	5.555	5.616	VV	109506	1975542	2.57%	0.045%	
77	5.635	5.616	5.665	VV	48146	784796	1.02%	0.018%	
78	5.696	5.665	5.719	VV	30753	694139	0.90%	0.016%	
79	5.742	5.719	5.761	VV	32919	431730	0.56%	0.010%	
80	5.792	5.761	5.811	VV	40155	629430	0.82%	0.014%	
81	5.839	5.811	5.866	VV	38414	752786	0.98%	0.017%	
82	5.885	5.866	5.904	VV	22953	336506	0.44%	0.008%	
83	5.929	5.904	5.954	VV	26440	480138	0.62%	0.011%	
84	5.969	5.954	5.977	VV	16339	196595	0.26%	0.004%	
85	5.988	5.977	6.037	VV	18470	409751	0.53%	0.009%	
86	6.072	6.037	6.088	VV	16893	320531	0.42%	0.007%	
87	6.101	6.088	6.128	VV	12789	247644	0.32%	0.006%	
88	6.146	6.128	6.173	VV	18500	312171	0.41%	0.007%	
89	6.191	6.173	6.205	VV	8847	146014	0.19%	0.003%	

Instrument :

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WC1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025

90	6.218	6.205	6.248	VV	8044	165920	0.22%	0.004%
91	6.268	6.248	6.338	VV	28416	455256		
92	6.355	6.338	6.376	VV	5260	79196		
93	6.389	6.376	6.397	VV	5185	46569		
94	6.416	6.397	6.439	VV	39081	459068		
95	6.451	6.439	6.472	VV	9099	109046		
96	6.487	6.472	6.507	VV	6229	79236	0.10%	0.002%
97	6.524	6.507	6.559	VV	5840	111539	0.15%	0.003%
98	6.586	6.559	6.611	VV	10863	172438	0.22%	0.004%
99	6.621	6.611	6.634	VV	3438	29479	0.04%	0.001%
100	6.656	6.634	6.690	VV	6449	97545	0.13%	0.002%
101	6.716	6.690	6.738	PV	5260	93886	0.12%	0.002%
102	6.767	6.738	6.800	VV	8984	228063	0.30%	0.005%
103	6.823	6.800	6.850	VV	12486	201193	0.26%	0.005%
104	6.871	6.850	6.898	VV	7809	156184	0.20%	0.004%
105	6.922	6.898	6.943	VV	8212	153933	0.20%	0.003%
106	6.967	6.943	7.002	VV	17896	281267	0.37%	0.006%
107	7.016	7.002	7.023	VV	2951	32916	0.04%	0.001%
108	7.061	7.023	7.079	VV	9765	212914	0.28%	0.005%
109	7.092	7.079	7.114	VV	6257	110898	0.14%	0.003%
110	7.132	7.114	7.161	VV	18640	273097	0.36%	0.006%
111	7.189	7.161	7.214	VV	16651	263407	0.34%	0.006%
112	7.239	7.214	7.262	VV	5500	120598	0.16%	0.003%
113	7.304	7.262	7.324	VV	8102	221763	0.29%	0.005%
114	7.360	7.324	7.392	VV	20516	461857	0.60%	0.010%
115	7.469	7.392	7.493	VV	18196	578097	0.75%	0.013%
116	7.522	7.493	7.538	VV	14710	307384	0.40%	0.007%
117	7.555	7.538	7.576	VV	17158	300954	0.39%	0.007%
118	7.609	7.576	7.629	VV	59732	910800	1.18%	0.021%
119	7.658	7.629	7.673	VV	32233	675381	0.88%	0.015%
120	7.684	7.673	7.700	VV	27442	364769	0.47%	0.008%
121	7.711	7.700	7.724	VV	20405	261570	0.34%	0.006%
122	7.749	7.724	7.773	VV	33904	816458	1.06%	0.018%
123	7.787	7.773	7.804	VV	32896	531958	0.69%	0.012%
124	7.813	7.804	7.829	VV	26981	367563	0.48%	0.008%
125	7.849	7.829	7.861	VV	31867	505048	0.66%	0.011%
126	7.881	7.861	7.904	VV	54064	981223	1.28%	0.022%
127	7.926	7.904	7.949	VV	37876	830164	1.08%	0.019%
128	7.970	7.949	7.986	VV	34206	679725	0.88%	0.015%
129	8.056	7.986	8.078	VV	76897	2482141	3.23%	0.056%
130	8.122	8.078	8.159	VV	75964	2471668	3.21%	0.056%
131	8.206	8.159	8.227	VV	117900	2999827	3.90%	0.068%
132	8.242	8.227	8.251	VV	63198	892437	1.16%	0.020%
133	8.263	8.251	8.282	VV	65022	1154220	1.50%	0.026%
134	8.302	8.282	8.351	VV	71748	2627812	3.42%	0.059%
135	8.434	8.351	8.464	VV	89813	4835440	6.29%	0.109%
136	8.504	8.464	8.523	VV	142311	3575800	4.65%	0.081%
137	8.539	8.523	8.552	VV	129666	1956667	2.54%	0.044%
138	8.568	8.552	8.582	VV	141070	2176961	2.83%	0.049%
139	8.596	8.582	8.621	VV	142479	2767104	3.60%	0.063%
140	8.639	8.621	8.653	VV	118963	2060669	2.68%	0.047%
141	8.669	8.653	8.700	VV	139749	3150349	4.10%	0.071%

Instrument :

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WC1

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 03/05/2025

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142	8.734	8.700	8.754	VV	125031	3674564	4.78%	0.083%
143	8.791	8.754	8.805	VV	136332	3777104		
144	8.819	8.805	8.839	VV	126920	2534540		
145	8.856	8.839	8.868	VV	117414	1970123		
146	8.912	8.868	8.928	VV	133850	4579059		
147	8.961	8.928	8.988	VV	152893	4921935		
148	9.013	8.988	9.044	VV	151073	4557382	5.93%	0.103%
149	9.091	9.044	9.128	VV	171236	7736535	10.06%	0.175%
150	9.174	9.128	9.190	VV	182851	6123885	7.96%	0.138%
151	9.205	9.190	9.220	VV	195260	3220550	4.19%	0.073%
152	9.255	9.220	9.289	VV	328194	9301187	12.09%	0.210%
153	9.335	9.289	9.357	VV	238581	8061759	10.48%	0.182%
154	9.392	9.357	9.398	VV	200071	4791713	6.23%	0.108%
155	9.416	9.398	9.451	VV	237564	6716949	8.73%	0.152%
156	9.466	9.451	9.491	VV	197090	4661124	6.06%	0.105%
157	9.508	9.491	9.544	VV	202430	6238163	8.11%	0.141%
158	9.614	9.544	9.641	VV	282904	13408740	17.44%	0.303%
159	9.658	9.641	9.677	VV	264113	5282278	6.87%	0.119%
160	9.738	9.677	9.778	VV	269635	15259784	19.84%	0.345%
161	9.787	9.778	9.799	VV	246063	3046207	3.96%	0.069%
162	9.832	9.799	9.854	VV	271500	8610908	11.20%	0.195%
163	9.890	9.854	9.918	VV	294175	10240079	13.32%	0.231%
164	9.941	9.918	9.987	VV	288027	11484981	14.93%	0.259%
165	10.052	9.987	10.080	VV	570656	21226157	27.60%	0.479%
166	10.105	10.080	10.111	VV	334734	6042445	7.86%	0.136%
167	10.126	10.111	10.167	VV	345673	11038728	14.35%	0.249%
168	10.193	10.167	10.216	VV	412415	10363189	13.48%	0.234%
169	10.239	10.216	10.258	VV	330887	8191545	10.65%	0.185%
170	10.283	10.258	10.293	VV	344647	6949260	9.04%	0.157%
171	10.329	10.293	10.351	VV	379135	12414585	16.14%	0.280%
172	10.478	10.351	10.505	VV	981688	44904806	58.39%	1.014%
173	10.520	10.505	10.563	VV	444858	14710362	19.13%	0.332%
174	10.594	10.563	10.611	VV	450873	12169151	15.82%	0.275%
175	10.629	10.611	10.648	VV	468482	9784786	12.72%	0.221%
176	10.667	10.648	10.695	VV	484495	12625376	16.42%	0.285%
177	10.746	10.695	10.760	VV	501323	18426536	23.96%	0.416%
178	10.797	10.760	10.838	VV	620023	23855984	31.02%	0.539%
179	10.884	10.838	10.904	VV	499782	18821543	24.47%	0.425%
180	10.931	10.904	10.949	VV	530408	14161769	18.41%	0.320%
181	10.962	10.949	11.008	VV	523221	17932255	23.32%	0.405%
182	11.026	11.008	11.043	VV	537511	11140839	14.49%	0.252%
183	11.064	11.043	11.082	VV	563032	12890579	16.76%	0.291%
184	11.103	11.082	11.134	VV	591634	17103165	22.24%	0.386%
185	11.206	11.134	11.236	VV	1473260	47341803	61.56%	1.069%
186	11.261	11.236	11.288	VV	583351	17323406	22.53%	0.391%
187	11.307	11.288	11.331	VV	566941	14350308	18.66%	0.324%
188	11.402	11.331	11.448	VV	704789	43586619	56.68%	0.985%
189	11.477	11.448	11.491	VV	657254	16136711	20.98%	0.364%
190	11.506	11.491	11.528	VV	652062	13717762	17.84%	0.310%
191	11.553	11.528	11.578	VV	644877	18564450	24.14%	0.419%
192	11.595	11.578	11.614	VV	720342	14830008	19.28%	0.335%
193	11.627	11.614	11.645	VV	668433	11930011	15.51%	0.269%
194	11.666	11.645	11.688	VV	679554	17516254	22.78%	0.396%

Instrument :

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WC1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025

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195	11.711	11.688	11.731	VV	743182	17913912	23.29%	0.405%
196	11.761	11.731	11.788	VV	970120	27189303	35.29%	Manual Integration Reviewed By : Yogesh Supervised By : Arun
197	11.796	11.788	11.812	VV	693087	9972739	12.91%	
198	11.820	11.812	11.838	VV	681354	10211382	13.21%	
199	11.893	11.838	11.949	VV	787135	47143782	61.42%	
200	11.985	11.949	12.011	VV	774243	26331677	34.21%	
201	12.025	12.011	12.038	VV	727180	11451090	14.89%	0.259%
202	12.056	12.038	12.063	VV	740903	11098575	14.43%	0.251%
203	12.079	12.063	12.114	VV	762020	22033836	28.65%	0.498%
204	12.162	12.114	12.171	VV	753440	24968210	32.47%	0.564%
205	12.182	12.171	12.231	VV	751970	25894215	33.67%	0.585%
206	12.270	12.231	12.313	VV	753531	35752824	46.49%	0.808%
207	12.343	12.313	12.398	VV	862704	39757505	51.70%	0.898%
208	12.425	12.398	12.469	VV	897076	34043875	44.27%	0.769%
209	12.514	12.469	12.539	VV	834473	32819212	42.67%	0.741%
210	12.565	12.539	12.617	VV	826789	35764190	46.50%	0.808%
211	12.673	12.617	12.684	VV	781754	30258568	39.35%	0.683%
212	12.698	12.684	12.718	VV	783556	15279464	19.87%	0.345%
213	12.752	12.718	12.818	VV	786110	45754171	59.49%	1.033%
214	12.866	12.818	12.891	VV	1183623	39112073	50.86%	0.883%
215	12.922	12.891	13.017	VV	1013248	64414668	83.76%	1.455%
216	13.082	13.017	13.130	VV	842464	54882551	71.36%	1.240%
217	13.141	13.130	13.158	VV	824355	13235571	17.21%	0.299%
218	13.182	13.158	13.223	VV	845546	31958831	41.56%	0.722%
219	13.266	13.223	13.291	VV	955808	35672557	46.38%	0.806%
220	13.312	13.291	13.331	VV	895505	20945465	27.24%	0.473%
221	13.347	13.331	13.364	VV	870890	16889878	21.96%	0.382%
222	13.386	13.364	13.416	VV	846348	25356711	32.97%	0.573%
223	13.472	13.416	13.498	VV	887188	42043712	54.67%	0.950%
224	13.530	13.498	13.578	VV	946392	42165458	54.83%	0.952%
225	13.607	13.578	13.638	VV	883459	30524428	39.69%	0.689%
226	13.679	13.638	13.694	VV	875902	28828158	37.49%	0.651%
227	13.703	13.694	13.728	VV	885625	17480270	22.73%	0.395%
228	13.762	13.728	13.804	VV	889258	39142275	50.90%	0.884%
229	13.859	13.804	13.900	VV	1020009	52495672	68.26%	1.186%
230	13.918	13.900	13.970	VV	934626	36965454	48.07%	0.835%
231	14.014	13.970	14.039	VV	906906	35971536	46.77%	0.813%
232	14.074	14.039	14.085	VV	888375	23601398	30.69%	0.533%
233	14.115	14.085	14.162	VV	911470	39999543	52.01%	0.903%
234	14.194	14.162	14.214	VV	837141	25553081	33.23%	0.577%
235	14.260	14.214	14.285	VV	916316	37836258	49.20%	0.855%
236	14.314	14.285	14.391	VV	959167	55477994	72.14%	1.253%
237	14.430	14.391	14.531	VV	924638	71853764	93.43%	1.6

Instrument : FID_C ClientSampleId : WC1									
rteres									
247	15.086	15.079	15.113	VV	777296	15751278	20.48%	0.356%	
248	15.153	15.113	15.213	VV	843701	47300835	61.33%	0.356%	
249	15.288	15.213	15.338	VV	867171	60227844	78.33%	0.356%	
250	15.356	15.338	15.402	VV	808270	29092909	37.33%	0.356%	
251	15.424	15.402	15.441	VV	771155	17733018	23.33%	0.356%	
252	15.455	15.441	15.478	VV	798504	16993114	22.33%	0.356%	
253	15.487	15.478	15.501	VV	783516	10715037	13.93%	0.242%	
254	15.506	15.501	15.512	VV	759315	4841873	6.30%	0.109%	
255	15.556	15.512	15.608	VV	861704	46255554	60.15%	1.045%	
256	15.612	15.608	15.618	VV	786841	4738482	6.16%	0.107%	
257	15.625	15.618	15.681	VV	793436	28744707	37.38%	0.649%	
258	15.695	15.681	15.708	VV	764902	12134160	15.78%	0.274%	
259	15.788	15.708	15.874	VV	845312	76905640	100.00%	1.737%	
260	15.883	15.874	15.891	VV	753050	7538943	9.80%	0.170%	
261	15.929	15.891	15.974	VV	865440	40028521	52.05%	0.904%	
262	15.996	15.974	16.012	VV	812173	17985655	23.39%	0.406%	
263	16.019	16.012	16.023	VV	795944	5041207	6.56%	0.114%	
264	16.070	16.023	16.108	VV	904067	42678566	55.49%	0.964%	
265	16.117	16.108	16.145	VV	829754	17576815	22.86%	0.397%	
266	16.177	16.145	16.238	VV	789933	42114992	54.76%	0.951%	
267	16.259	16.238	16.281	VV	783806	19490854	25.34%	0.440%	
268	16.294	16.281	16.317	VV	777782	16775453	21.81%	0.379%	
269	16.337	16.317	16.372	VV	779021	24983769	32.49%	0.564%	
270	16.446	16.372	16.458	VV	835087	41146712	53.50%	0.929%	
271	16.461	16.458	16.469	VV	821143	5497618	7.15%	0.124%	
272	16.474	16.469	16.509	VV	830002	18775048	24.41%	0.424%	
273	16.557	16.509	16.586	VV	824834	36575726	47.56%	0.826%	
274	16.597	16.586	16.612	VV	776285	11902342	15.48%	0.269%	
275	16.621	16.612	16.636	VV	770584	11269148	14.65%	0.255%	
276	16.705	16.636	16.758	VV	888176	58945421	76.65%	1.331%	
277	16.792	16.758	16.812	VV	799438	24799625	32.25%	0.560%	
278	16.822	16.812	16.838	VV	789362	12147362	15.80%	0.274%	
279	16.920	16.838	16.964	VV	969956	63652613	82.77%	1.438%	
280	17.006	16.964	17.038	VV	807885	34414811	44.75%	0.777%	
281	17.080	17.038	17.124	VV	853787	41181418	53.55%	0.930%	
282	17.151	17.124	17.193	VV	771649	30768207	40.01%	0.695%	
283	17.208	17.193	17.216	VV	739327	10074362	13.10%	0.228%	
284	17.247	17.216	17.308	VV	850464	42902578	55.79%	0.969%	
285	17.321	17.308	17.357	VV	746455	21015825	27.33%	0.475%	
286	17.367	17.357	17.378	VV	711422	8680890	11.29%	0.196%	
287	17.420	17.378	17.437	VV	735362	25214746	32.79%	0.570%	
288	17.461	17.437	17.494	VV	755513	24697468	32.11%	0.558%	
289	17.515	17.494	17.531	VV	742662	16033932	20.85%	0.362%	
290	17.548	17.531	17.589	VV	748892	24860905	32.33%	0.562%	
291	17.606	17.589	17.631	VV	711165	17384312	22.60%	0.393%	
292	17.643	17.631	17.668	VV	671597	14540471	18.91%	0.328%	
293	17.711	17.668	17.772	VV	974641	48343252	62.86%	1.092%	
294	17.781	17.772	17.794	VV	659657	8695371	11.31%	0.196%	
295	17.812	17.794	17.836	VV	650933	15701429	20.42%	0.355%	
296	17.869	17.836	17.891	VV	662330	21074158	27.40%	0.476%	
297	17.908	17.891	17.919	VV	664916	10802116	14.05%	0.244%	
298	17.940	17.919	17.994	VV	651802	27562799	35.84%	0.623%	
299	18.075	17.994	18.168	VV	878043	64956124	84.46%	1.467%	

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025

							Instrument : FID_C	
							ClientSampleId : WC1	
Sl. No	Peak No	Area	Height	Ratio	Area%	Height%	Area%	Height%
300	18.214	18.168	18.251	VV	557970	26784645	34.83%	0.605%
301	18.277	18.251	18.341	VV	565433	28585421	37.00%	0.612%
302	18.380	18.341	18.400	VV	533033	17884565	23.00%	0.580%
303	18.409	18.400	18.457	VV	511923	16475375	21.00%	0.560%
304	18.490	18.457	18.513	VV	594799	17719191	23.00%	0.590%
305	18.538	18.513	18.562	VV	564331	14842516	19.00%	0.560%
Manual IntegrationsAPPROVED								
306	18.571	18.562	18.580	VV	485666	5139179	6.68%	0.116%
307	18.590	18.580	18.615	VV	492428	10028845	13.04%	0.227%
308	18.628	18.615	18.647	VV	476233	8942652	11.63%	0.202%
309	18.669	18.647	18.688	VV	491994	11618009	15.11%	0.262%
310	18.698	18.688	18.780	VV	458576	23950345	31.14%	0.541%
311	18.815	18.780	18.860	VV	511180	21623053	28.12%	0.488%
312	18.886	18.860	18.931	VV	454363	17690385	23.00%	0.400%
313	18.994	18.931	19.055	VV	455939	30090886	39.13%	0.680%
314	19.065	19.055	19.079	VV	387966	5620199	7.31%	0.127%
315	19.086	19.079	19.102	VV	390308	5193735	6.75%	0.117%
316	19.120	19.102	19.144	VV	386698	9396511	12.22%	0.212%
317	19.201	19.144	19.258	VV	466347	27297107	35.49%	0.617%
318	19.291	19.258	19.364	VV	390563	22371328	29.09%	0.505%
319	19.393	19.364	19.411	VV	375065	10056627	13.08%	0.227%
320	19.424	19.411	19.444	VV	348066	6820480	8.87%	0.154%
321	19.454	19.444	19.484	VV	349497	8069050	10.49%	0.182%
322	19.503	19.484	19.546	VV	346654	12141953	15.79%	0.274%
323	19.594	19.546	19.650	VV	402533	21952647	28.54%	0.496%
324	19.706	19.650	19.760	VV	328740	20246582	26.33%	0.457%
325	19.774	19.760	19.792	VV	306261	5665347	7.37%	0.128%
326	19.805	19.792	19.851	VV	302060	10533391	13.70%	0.238%
327	19.887	19.851	19.931	VV	302517	13935007	18.12%	0.315%
328	19.973	19.931	20.046	VV	302522	19341594	25.15%	0.437%
329	20.056	20.046	20.066	VV	270062	3350287	4.36%	0.076%
330	20.101	20.066	20.148	VV	299589	13338788	17.34%	0.301%
331	20.176	20.148	20.225	VV	273576	11770282	15.30%	0.266%
332	20.255	20.225	20.281	VV	254755	8279348	10.77%	0.187%
333	20.287	20.281	20.321	VV	235194	5553141	7.22%	0.125%
334	20.373	20.321	20.438	VV	243203	15995843	20.80%	0.361%
335	20.460	20.438	20.478	VV	228334	5325903	6.93%	0.120%
336	20.493	20.478	20.561	VV	232121	10218597	13.29%	0.231%
337	20.590	20.561	20.625	VV	193305	7110967	9.25%	0.161%
338	20.633	20.625	20.670	VV	179949	4541382	5.91%	0.103%
339	20.684	20.670	20.820	VV	164760	13500400	17.55%	0.305%
340	20.831	20.820	20.890	VV	146334	5758836	7.49%	0.130%
341	20.906	20.890	20.938	VV	130723	3597267	4.68%	0.081%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025

	rt	Area	Height	W	Area%	Height%		
352	21.654	21.629	21.691	VV	45566	1439065	1.87%	0.033%
353	21.707	21.691	21.718	VV	40105	584422	0.51%	0.010%
354	21.726	21.718	21.799	VV	38529	1538648	0.47%	0.029%
355	21.811	21.799	21.868	VV	28304	1013392	0.35%	0.011%
356	21.876	21.868	21.888	VV	25431	268818	0.31%	0.008%
357	21.897	21.888	21.914	VV	23379	310077	0.29%	0.007%
358	21.925	21.914	21.959	VV	24077	526823	0.69%	0.012%
359	21.978	21.959	22.040	VV	20855	741738	0.96%	0.017%
360	22.059	22.040	22.098	VV	15001	327014	0.43%	0.007%
361	22.106	22.098	22.118	VV	9518	66877	0.09%	0.002%
362	22.129	22.118	22.138	VV	7328	53985	0.07%	0.001%
363	22.153	22.138	22.178	VV	8882	98260	0.13%	0.002%
Sum of corrected areas:					4427184568			

Instrument :
FID_C
ClientSampleId :
WC1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025

Aliphatic EPH 021125.M Sat Mar 01 01:35:21 2025

Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049147.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	8.91		0.33	0.72	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.79		0.37	1.08	mg/kg
Aromatic C16-C21	Aromatic C16-C21	324	E	1.04	1.80	mg/kg
Aromatic C21-C36	Aromatic C21-C36	649	E	2.16	2.89	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	57.0		40 - 140	114%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	60.9		40 - 140	122%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	67.8		40 - 140	136%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1447-01	Acq On:	28 Feb 2025 21:59
Client Sample ID:	WC1	Operator:	YP/AJ
Data file:	FD049147.D	Misc:	
Instrument:	FID_D	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	19651893	123.581	200	ug/ml
Aromatic C12-C16	5.795	8.396	19605543	121.822	300	ug/ml
Aromatic C16-C21	8.397	12.661	688928904	4490	500	ug/ml
Aromatic C21-C36	12.662	18.073	1288426151	9000	800	ug/ml
Aromatic EPH	4.076	18.073	2016612491	13700		ug/ml
2-Bromonaphthalene (SURR)	7.352	7.352	8151579	56.96		ug/ml
2-Fluorobiphenyl (SURR)	8.203	8.203	5354108	60.9		ug/ml
ortho-Terphenyl (SURR)	11.247	11.247	10976009	67.85		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049147.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 21:59
 Operator : YP/AJ
 Sample : Q1447-01
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 WC1

Integration File: autoint1.e
 Quant Time: Mar 01 02:23:16 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	8151579	56.961 ug/ml
Spiked Amount 50.000		Recovery =	113.92%
6) S 2-Fluorobiphenyl (SURR)	8.203	5354108	60.903 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	121.81%
11) S ortho-Terphenyl (SURR)	11.247	10976009	67.848 ug/ml
Spiked Amount 50.000		Recovery =	135.70%

Target Compounds

(f)=RT Delta > 1/2 Window

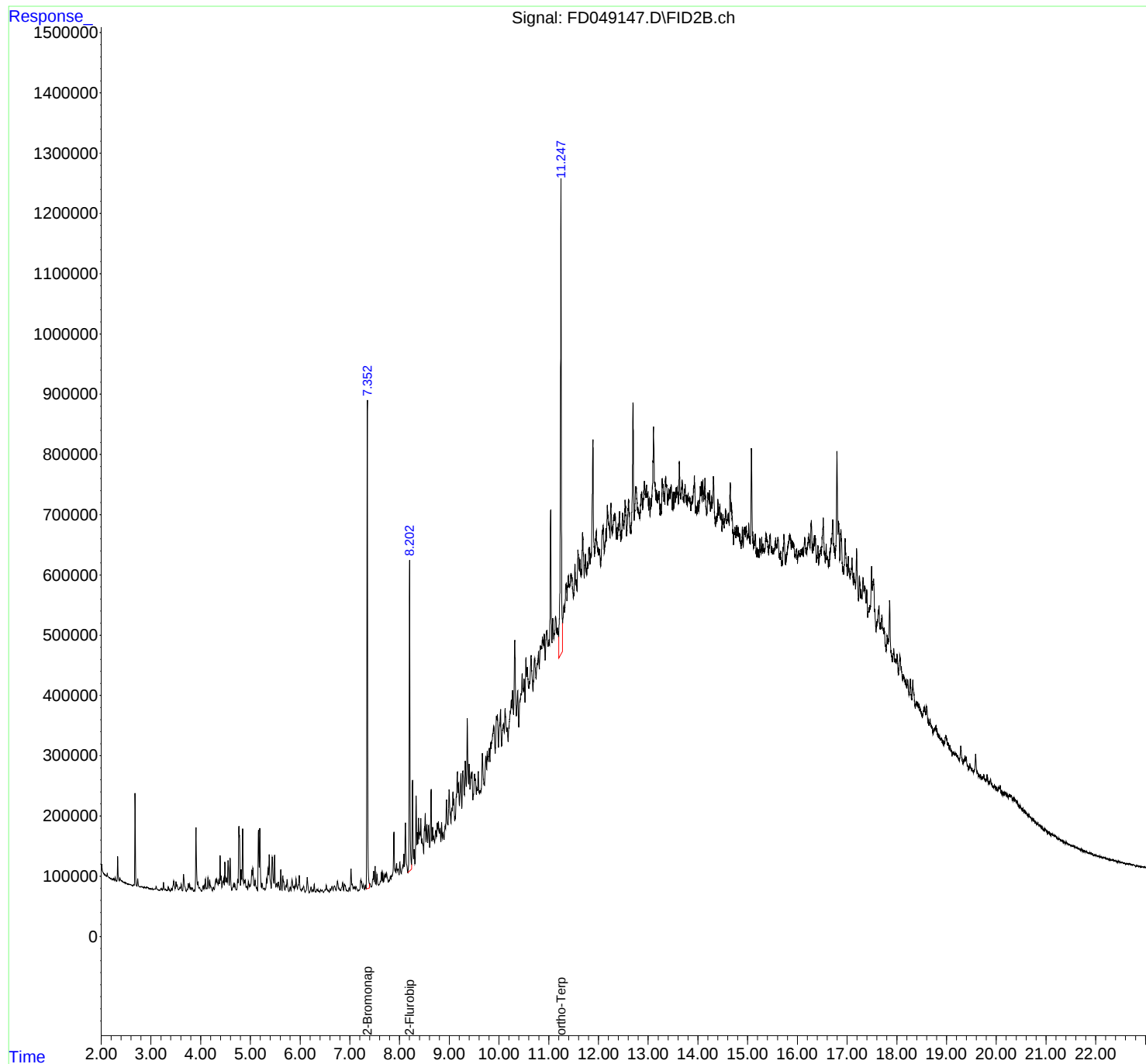
(m)=manual int.

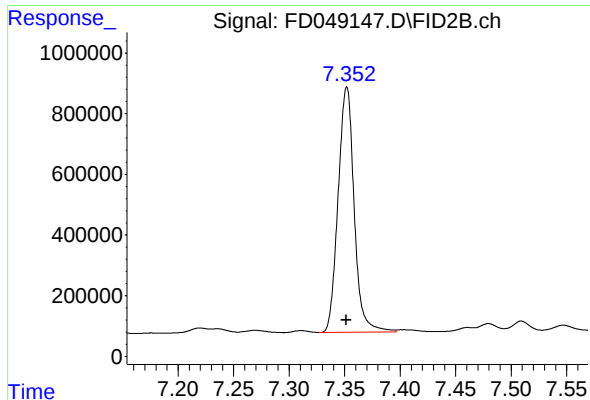
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049147.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 21:59
Operator : YP/AJ
Sample : Q1447-01
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WC1

Integration File: autoint1.e
Quant Time: Mar 01 02:23:16 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

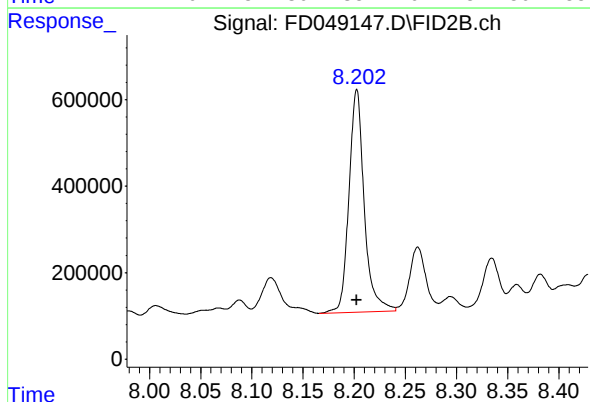




#4 2-Bromonaphthalene (SURR)

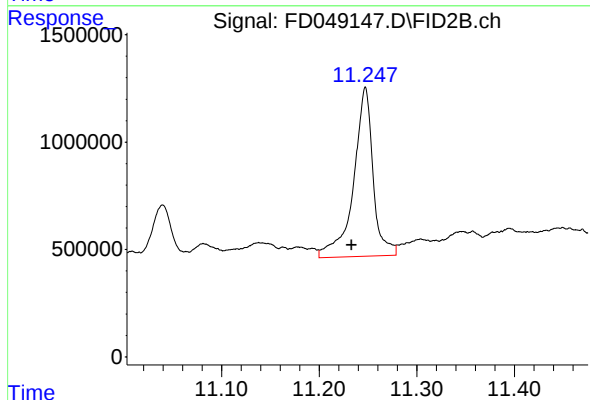
R.T.: 7.352 min
Delta R.T.: 0.000 min
Response: 8151579
Conc: 56.96 ug/ml

Instrument :
FID_D
ClientSampleId :
WC1



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.203 min
Delta R.T.: 0.000 min
Response: 5354108
Conc: 60.90 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.247 min
Delta R.T.: 0.014 min
Response: 10976009
Conc: 67.85 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
 Data File : FD049147.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2025 21:59
 Sample : Q1447-01
 Misc :
 ALS Vial : 76 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	4.049	4.042	4.060	PH	5453	36271	0.14%	0.002%
2	4.070	4.060	4.079	PV	5507	33836	0.13%	0.002%
3	4.095	4.079	4.116	VV	16819	175867	0.70%	0.008%
4	4.147	4.116	4.169	VV	20262	271566	1.08%	0.013%
5	4.183	4.169	4.236	VV	17205	276520	1.10%	0.013%
6	4.254	4.236	4.275	PV	5855	73720	0.29%	0.004%
7	4.306	4.275	4.317	VV	19530	323181	1.28%	0.016%
8	4.327	4.317	4.351	VV	19273	295943	1.18%	0.014%
9	4.366	4.351	4.377	VV	18505	228255	0.91%	0.011%
10	4.392	4.377	4.405	VV	58811	566541	2.25%	0.027%
11	4.413	4.405	4.428	VV	25110	226926	0.90%	0.011%
12	4.445	4.428	4.453	VV	16208	193546	0.77%	0.009%
13	4.464	4.453	4.475	VV	21319	213754	0.85%	0.010%
14	4.488	4.475	4.504	VV	48130	508169	2.02%	0.024%
15	4.517	4.504	4.535	VV	21883	343716	1.37%	0.017%
16	4.552	4.535	4.576	VV	51048	736395	2.92%	0.035%
17	4.593	4.576	4.627	VV	55027	708435	2.81%	0.034%
18	4.664	4.627	4.676	VV	12808	214689	0.85%	0.010%
19	4.687	4.676	4.724	VV	12417	181572	0.72%	0.009%
20	4.745	4.724	4.753	VV	20817	197248	0.78%	0.009%
21	4.769	4.753	4.777	VV	108091	1026358	4.08%	0.049%
22	4.781	4.777	4.802	VV	94051	803557	3.19%	0.039%
23	4.816	4.802	4.827	VV	36347	388427	1.54%	0.019%
24	4.845	4.827	4.866	VV	104047	1181904	4.69%	0.057%
25	4.877	4.866	4.888	VV	18384	207603	0.82%	0.010%
26	4.897	4.888	4.914	VV	18819	214852	0.85%	0.010%
27	4.929	4.914	4.943	VV	8767	121394	0.48%	0.006%
28	4.962	4.943	4.975	VV	17378	216473	0.86%	0.010%
29	4.984	4.975	4.995	VV	11363	116000	0.46%	0.006%
30	5.032	4.995	5.042	VV	35059	601673	2.39%	0.029%
31	5.052	5.042	5.080	VV	39510	506258	2.01%	0.024%
32	5.095	5.080	5.123	VV	19229	303189	1.20%	0.015%
33	5.130	5.123	5.143	VV	6691	61363	0.24%	0.003%
34	5.162	5.143	5.179	VV	102880	1198213	4.76%	0.058%
35	5.191	5.179	5.222	VV	105537	1211440	4.81%	0.058%
36	5.234	5.222	5.261	VV	14501	218853	0.87%	0.011%

rteres								
37	5.282	5.261	5.295	VV	5779	95808	0.38%	0.005%
38	5.326	5.295	5.336	VV	21234	267144	1.06%	0.013%
39	5.356	5.336	5.366	VV	39225	534674	2.12%	0.026%
40	5.380	5.366	5.420	VV	62061	956578	3.80%	0.046%
41	5.440	5.420	5.474	VV	58285	1054033	4.19%	0.051%
42	5.488	5.474	5.515	VV	61678	709491	2.82%	0.034%
43	5.531	5.515	5.552	VV	14455	257303	1.02%	0.012%
44	5.565	5.552	5.595	VV	17074	276727	1.10%	0.013%
45	5.612	5.595	5.636	VV	37800	438260	1.74%	0.021%
46	5.652	5.636	5.697	VV	27600	498668	1.98%	0.024%
47	5.712	5.697	5.723	VV	11301	129794	0.52%	0.006%
48	5.739	5.723	5.773	VV	21452	319813	1.27%	0.015%
49	5.801	5.773	5.817	VV	8972	132330	0.53%	0.006%
50	5.839	5.817	5.863	VV	20832	367421	1.46%	0.018%
51	5.873	5.863	5.884	VV	9866	104980	0.42%	0.005%
52	5.897	5.884	5.905	VV	11556	112591	0.45%	0.005%
53	5.918	5.905	5.948	VV	23125	349870	1.39%	0.017%
54	5.984	5.948	6.028	VV	28345	571250	2.27%	0.027%
55	6.042	6.028	6.050	VV	6447	66635	0.26%	0.003%
56	6.072	6.050	6.101	VV	10304	195881	0.78%	0.009%
57	6.144	6.101	6.185	VV	25392	426609	1.69%	0.021%
58	6.221	6.185	6.239	PV	9695	143691	0.57%	0.007%
59	6.254	6.239	6.267	VV	5387	58185	0.23%	0.003%
60	6.284	6.267	6.314	VV	14276	167489	0.67%	0.008%
61	6.337	6.314	6.347	VV	5741	65863	0.26%	0.003%
62	6.357	6.347	6.372	VV	5079	55102	0.22%	0.003%
63	6.383	6.372	6.397	VV	2593	27206	0.11%	0.001%
64	6.414	6.397	6.427	VV	5248	57788	0.23%	0.003%
65	6.447	6.427	6.470	VV	4291	65913	0.26%	0.003%
66	6.504	6.470	6.513	VV	5118	76727	0.30%	0.004%
67	6.528	6.513	6.561	VV	12074	180647	0.72%	0.009%
68	6.573	6.561	6.589	VV	3621	38088	0.15%	0.002%
69	6.607	6.589	6.619	PV	6164	65609	0.26%	0.003%
70	6.642	6.619	6.665	VV	10165	187592	0.75%	0.009%
71	6.692	6.665	6.725	VV	10874	260372	1.03%	0.013%
72	6.751	6.725	6.781	VV	18339	349421	1.39%	0.017%
73	6.788	6.781	6.816	VV	5105	77265	0.31%	0.004%
74	6.856	6.816	6.875	VV	15535	272343	1.08%	0.013%
75	6.892	6.875	6.965	VV	12994	292541	1.16%	0.014%
76	6.987	6.965	7.005	VV	6055	74293	0.30%	0.004%
77	7.024	7.005	7.044	VV	37442	445378	1.77%	0.021%
78	7.051	7.044	7.068	VV	11765	127400	0.51%	0.006%
79	7.081	7.068	7.094	VV	7184	85689	0.34%	0.004%
80	7.103	7.094	7.113	VV	6324	63441	0.25%	0.003%
81	7.126	7.113	7.163	VV	7374	122401	0.49%	0.006%
82	7.176	7.163	7.186	PV	1601	12422	0.05%	0.001%
83	7.220	7.186	7.229	VV	16942	198718	0.79%	0.010%
84	7.235	7.229	7.254	VV	14112	142807	0.57%	0.007%
85	7.270	7.254	7.295	VV	8420	109766	0.44%	0.005%
86	7.311	7.295	7.327	VV	6305	58627	0.23%	0.003%
87	7.352	7.327	7.396	PV	810682	8151865	32.38%	0.392%
88	7.403	7.396	7.427	VV	7189	91520	0.36%	0.004%
89	7.433	7.427	7.435	VV	1157	5269	0.02%	0.000%

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90	7.480	7.435	7.494	VV	25943	413989	1.64%	0.020%
91	7.509	7.494	7.528	VV	33880	360773	1.43%	0.017%
92	7.547	7.528	7.581	VV	19152	248964	0.99%	0.012%
93	7.614	7.581	7.621	VV	6411	68652	0.27%	0.003%
94	7.639	7.621	7.653	VV	21166	250040	0.99%	0.012%
95	7.666	7.653	7.681	VV	18691	187973	0.75%	0.009%
96	7.715	7.681	7.727	VV	16171	314544	1.25%	0.015%
97	7.741	7.727	7.774	VV	17379	284895	1.13%	0.014%
98	7.789	7.774	7.799	VV	4432	41418	0.16%	0.002%
99	7.816	7.799	7.827	VV	9919	117120	0.47%	0.006%
100	7.839	7.827	7.849	VV	9985	112949	0.45%	0.005%
101	7.887	7.849	7.908	VV	81884	1145891	4.55%	0.055%
102	7.916	7.908	7.926	VV	18241	177886	0.71%	0.009%
103	7.940	7.926	7.953	VV	28192	344956	1.37%	0.017%
104	7.977	7.953	7.991	VV	18444	372917	1.48%	0.018%
105	8.006	7.991	8.035	VV	29482	474845	1.89%	0.023%
106	8.068	8.035	8.074	VV	22828	401233	1.59%	0.019%
107	8.088	8.074	8.100	VV	40708	446961	1.78%	0.021%
108	8.119	8.100	8.166	VV	92002	1534130	6.09%	0.074%
109	8.203	8.166	8.241	VV	524605	5808276	23.07%	0.279%
110	8.262	8.241	8.283	VV	159417	1929946	7.67%	0.093%
111	8.294	8.283	8.311	VV	44116	550951	2.19%	0.026%
112	8.335	8.311	8.349	VV	132018	1662634	6.60%	0.080%
113	8.359	8.349	8.369	VV	70608	717580	2.85%	0.035%
114	8.382	8.369	8.395	VV	93851	1137156	4.52%	0.055%
115	8.409	8.395	8.416	VV	69061	827599	3.29%	0.040%
116	8.429	8.416	8.442	VV	92218	1187722	4.72%	0.057%
117	8.451	8.442	8.485	VV	57297	1257857	5.00%	0.060%
118	8.501	8.485	8.506	VV	74699	743276	2.95%	0.036%
119	8.518	8.506	8.533	VV	98273	1238556	4.92%	0.060%
120	8.549	8.533	8.567	VV	78841	1302875	5.18%	0.063%
121	8.586	8.567	8.607	VV	76825	1491741	5.93%	0.072%
122	8.636	8.607	8.652	VV	135922	2138512	8.49%	0.103%
123	8.666	8.652	8.678	VV	72232	939784	3.73%	0.045%
124	8.687	8.678	8.706	VV	55929	852068	3.38%	0.041%
125	8.728	8.706	8.745	VV	65591	1364486	5.42%	0.066%
126	8.760	8.745	8.772	VV	77264	1111333	4.41%	0.053%
127	8.783	8.772	8.801	VV	79141	1211397	4.81%	0.058%
128	8.815	8.801	8.833	VV	66543	1114991	4.43%	0.054%
129	8.847	8.833	8.862	VV	75746	1073213	4.26%	0.052%
130	8.875	8.862	8.896	VV	58430	1076637	4.28%	0.052%
131	8.918	8.896	8.926	VV	68369	1070199	4.25%	0.051%
132	8.945	8.926	8.973	VV	111326	2405631	9.56%	0.116%
133	8.999	8.973	9.034	VV	127032	3418549	13.58%	0.164%
134	9.052	9.034	9.061	VV	95665	1381776	5.49%	0.066%
135	9.074	9.061	9.085	VV	121951	1568776	6.23%	0.075%
136	9.093	9.085	9.109	VV	110003	1387027	5.51%	0.067%
137	9.163	9.109	9.178	VV	152340	4545173	18.05%	0.219%
138	9.188	9.178	9.205	VV	134344	1858036	7.38%	0.089%
139	9.235	9.205	9.254	VV	148798	3497035	13.89%	0.168%
140	9.272	9.254	9.304	VV	151574	3886619	15.44%	0.187%
141	9.322	9.304	9.343	VV	167086	3333052	13.24%	0.160%

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142	9.364	9.343	9.390	VV	235944	4700519	18.67%	0.226%
143	9.402	9.390	9.418	VV	160237	2425116	9.63%	0.117%
144	9.441	9.418	9.449	VV	144617	2444874	9.71%	0.118%
145	9.458	9.449	9.476	VV	145044	2105886	8.36%	0.101%
146	9.509	9.476	9.522	VV	141617	3347851	13.30%	0.161%
147	9.528	9.522	9.545	VV	132867	1715250	6.81%	0.082%
148	9.559	9.545	9.569	VV	116696	1629938	6.47%	0.078%
149	9.584	9.569	9.610	VV	144016	2979203	11.83%	0.143%
150	9.619	9.610	9.627	VV	111272	1137657	4.52%	0.055%
151	9.636	9.627	9.640	VV	111401	876432	3.48%	0.042%
152	9.667	9.640	9.708	VV	171819	5559171	22.08%	0.267%
153	9.738	9.708	9.753	VV	165739	3969707	15.77%	0.191%
154	9.766	9.753	9.782	VV	172999	2797451	11.11%	0.135%
155	9.805	9.782	9.818	VV	177673	3580303	14.22%	0.172%
156	9.832	9.818	9.843	VV	186015	2623234	10.42%	0.126%
157	9.894	9.843	9.925	VV	212635	9462677	37.59%	0.455%
158	9.949	9.925	9.957	VV	227094	3965816	15.75%	0.191%
159	9.969	9.957	9.991	VV	229455	4259745	16.92%	0.205%
160	10.033	9.991	10.055	VV	236044	7925556	31.48%	0.381%
161	10.091	10.055	10.108	VV	210086	6311161	25.07%	0.304%
162	10.123	10.108	10.155	VV	235923	6135270	24.37%	0.295%
163	10.165	10.155	10.184	VV	203369	3342360	13.28%	0.161%
164	10.228	10.184	10.234	VV	230232	6264582	24.88%	0.301%
165	10.248	10.234	10.259	VV	248055	3570237	14.18%	0.172%
166	10.275	10.259	10.293	VV	263171	5070431	20.14%	0.244%
167	10.317	10.293	10.350	VV	345108	9256218	36.77%	0.445%
168	10.376	10.350	10.399	VV	259817	6886739	27.35%	0.331%
169	10.440	10.399	10.451	VV	253323	7506876	29.82%	0.361%
170	10.466	10.451	10.484	VV	285890	5173021	20.55%	0.249%
171	10.506	10.484	10.525	VV	276198	6395602	25.40%	0.308%
172	10.543	10.525	10.558	VV	311082	5578700	22.16%	0.268%
173	10.571	10.558	10.604	VV	294562	7648220	30.38%	0.368%
174	10.613	10.604	10.620	VV	269241	2525136	10.03%	0.121%
175	10.647	10.620	10.682	VV	312261	10668849	42.38%	0.513%
176	10.713	10.682	10.748	VV	304880	11230712	44.61%	0.540%
177	10.795	10.748	10.811	VV	315539	11203348	44.50%	0.539%
178	10.835	10.811	10.844	VV	324325	6084867	24.17%	0.293%
179	10.849	10.844	10.864	VV	323467	3821259	15.18%	0.184%
180	10.875	10.864	10.898	VV	337538	6716175	26.68%	0.323%
181	10.906	10.898	10.929	VV	341607	6110758	24.27%	0.294%
182	10.967	10.929	10.988	VV	346856	11700593	46.47%	0.563%
183	11.008	10.988	11.016	VV	330354	5515552	21.91%	0.265%
184	11.039	11.016	11.066	VV	544704	12406178	49.28%	0.597%
185	11.081	11.066	11.102	VV	363648	7414785	29.45%	0.357%
186	11.138	11.102	11.159	VV	366580	11831845	47.00%	0.569%
187	11.163	11.159	11.169	VV	344956	2046949	8.13%	0.098%
188	11.178	11.169	11.189	VV	345701	4096121	16.27%	0.197%
189	11.193	11.189	11.200	VV	339085	2243681	8.91%	0.108%
190	11.247	11.200	11.279	VV	1089043	25176311	100.00%	1.211%
191	11.304	11.279	11.323	VV	380059	9772262	38.82%	0.470%
192	11.346	11.323	11.353	VV	414125	7114186	28.26%	0.342%
193	11.357	11.353	11.368	VV	415714	3675507	14.60%	0.177%
194	11.395	11.368	11.409	VV	427845	10066111	39.98%	0.484%

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195	11.450	11.409	11.495	VV	430542	21342255	84.77%	1.026%
196	11.528	11.495	11.548	VV	443050	13331540	52.95%	0.641%
197	11.555	11.548	11.569	VV	417480	5137479	20.41%	0.247%
198	11.588	11.569	11.621	VV	465655	13532725	53.75%	0.651%
199	11.628	11.621	11.648	VV	447870	7167085	28.47%	0.345%
200	11.658	11.648	11.663	VV	430274	3844714	15.27%	0.185%
201	11.681	11.663	11.715	VV	492889	14224564	56.50%	0.684%
202	11.738	11.715	11.767	VV	455117	13661740	54.26%	0.657%
203	11.777	11.767	11.787	VV	441751	5261035	20.90%	0.253%
204	11.805	11.787	11.810	VV	464134	6237235	24.77%	0.300%
205	11.816	11.810	11.832	VV	465852	5813174	23.09%	0.280%
206	11.848	11.832	11.853	VV	455170	5801819	23.04%	0.279%
207	11.890	11.853	11.919	VV	640589	20478242	81.34%	0.985%
208	11.958	11.919	12.003	VV	489587	23390376	92.91%	1.125%
209	12.009	12.003	12.018	VV	457747	4250538	16.88%	0.204%
210	12.024	12.018	12.046	VV	455743	7403502	29.41%	0.356%
211	12.082	12.046	12.086	VV	486222	11197616	44.48%	0.539%
212	12.093	12.086	12.115	VV	494560	8210194	32.61%	0.395%
213	12.149	12.115	12.157	VV	488456	11797700	46.86%	0.567%
214	12.180	12.157	12.232	VV	526916	22236828	88.32%	1.070%
215	12.252	12.232	12.275	VV	529347	12924418	51.34%	0.622%
216	12.281	12.275	12.285	VV	483119	2839431	11.28%	0.137%
217	12.317	12.285	12.323	VV	508756	11456590	45.51%	0.551%
218	12.334	12.323	12.357	VV	508475	9980312	39.64%	0.480%
219	12.372	12.357	12.383	VV	486025	7500549	29.79%	0.361%
220	12.397	12.383	12.404	VV	491205	5884428	23.37%	0.283%
221	12.424	12.404	12.450	VV	511445	13606473	54.04%	0.654%
222	12.461	12.450	12.466	VV	477345	4652583	18.48%	0.224%
223	12.488	12.466	12.509	VV	505310	12637488	50.20%	0.608%
224	12.537	12.509	12.566	VV	527007	16887962	67.08%	0.812%
225	12.610	12.566	12.645	VV	526124	23693388	94.11%	1.140%
226	12.648	12.645	12.654	VV	478625	2370324	9.41%	0.114%
227	12.695	12.654	12.720	VV	685322	21843714	86.76%	1.051%
228	12.753	12.720	12.760	VV	545449	12593506	50.02%	0.606%
229	12.763	12.760	12.790	VV	543422	9386008	37.28%	0.451%
230	12.795	12.790	12.834	VV	505253	12979811	51.56%	0.624%
231	12.867	12.834	12.887	VV	532815	16665722	66.20%	0.802%
232	12.896	12.887	12.900	VV	522921	3982893	15.82%	0.192%
233	12.924	12.900	12.949	VV	550234	15463463	61.42%	0.744%
234	12.965	12.949	12.978	VV	543317	9373704	37.23%	0.451%
235	12.994	12.978	13.007	VV	530642	9053181	35.96%	0.435%
236	13.024	13.007	13.036	VV	519833	8807163	34.98%	0.424%
237	13.054	13.036	13.065	VV	518253	8698661	34.55%	0.418%
238	13.108	13.065	13.134	VV	635446	23220979	92.23%	1.117%
239	13.138	13.134	13.152	VV	543237	5994266	23.81%	0.288%
240	13.170	13.152	13.178	VV	529297	7815504	31.04%	0.376%
241	13.183	13.178	13.192	VV	524104	4442878	17.65%	0.214%
242	13.198	13.192	13.205	VV	519853	4162473	16.53%	0.200%
243	13.218	13.205	13.238	VV	526406	10073967	40.01%	0.485%
244	13.252	13.238	13.265	VV	504950	7850642	31.18%	0.378%
245	13.281	13.265	13.314	VV	546534	15478885	61.48%	0.744%
246	13.319	13.314	13.322	VV	517366	2558029	10.16%	0.123%

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247	13.326	13.322	13.335	VV	520441	4110771	16.33%	0.198%
248	13.352	13.335	13.367	VV	547609	10124904	40.22%	0.487%
249	13.373	13.367	13.393	VV	532924	8101111	32.18%	0.390%
250	13.400	13.393	13.409	VV	514965	4784175	19.00%	0.230%
251	13.416	13.409	13.422	VV	525235	4159552	16.52%	0.200%
252	13.427	13.422	13.438	VV	522782	4910436	19.50%	0.236%
253	13.451	13.438	13.458	VV	527758	6339423	25.18%	0.305%
254	13.463	13.458	13.487	VV	530381	8825917	35.06%	0.424%
255	13.501	13.487	13.515	VV	518335	8584642	34.10%	0.413%
256	13.531	13.515	13.547	VV	518123	9643150	38.30%	0.464%
257	13.566	13.547	13.572	VV	524439	7877587	31.29%	0.379%
258	13.585	13.572	13.609	VV	525441	11150210	44.29%	0.536%
259	13.628	13.609	13.652	VV	566640	13829488	54.93%	0.665%
260	13.682	13.652	13.709	VV	534192	17593034	69.88%	0.846%
261	13.715	13.709	13.722	VV	506161	4007946	15.92%	0.193%
262	13.743	13.722	13.757	VV	526679	10741075	42.66%	0.517%
263	13.764	13.757	13.769	VV	504077	3584857	14.24%	0.172%
264	13.776	13.769	13.785	VV	507607	4747530	18.86%	0.228%
265	13.794	13.785	13.800	VV	505025	4677796	18.58%	0.225%
266	13.805	13.800	13.819	VV	508433	5519801	21.92%	0.265%
267	13.833	13.819	13.851	VV	504066	9668446	38.40%	0.465%
268	13.871	13.851	13.875	VV	493205	7011789	27.85%	0.337%
269	13.890	13.875	13.897	VV	504178	6383502	25.36%	0.307%
270	13.910	13.897	13.915	VV	516910	5634046	22.38%	0.271%
271	13.930	13.915	13.954	VV	536770	11841001	47.03%	0.570%
272	13.968	13.954	13.977	VV	484172	6848338	27.20%	0.329%
273	14.004	13.977	14.016	VV	493090	11002746	43.70%	0.529%
274	14.047	14.016	14.062	VV	514975	13747242	54.60%	0.661%
275	14.073	14.062	14.084	VV	522201	6719719	26.69%	0.323%
276	14.102	14.084	14.117	VV	525500	9976975	39.63%	0.480%
277	14.141	14.117	14.175	VV	524992	17505318	69.53%	0.842%
278	14.208	14.175	14.230	VV	502075	16091841	63.92%	0.774%
279	14.237	14.230	14.256	VV	505977	7597954	30.18%	0.365%
280	14.269	14.256	14.284	VV	495405	7938860	31.53%	0.382%
281	14.309	14.284	14.353	VV	526195	20197574	80.22%	0.971%
282	14.361	14.353	14.369	VV	456000	4119266	16.36%	0.198%
283	14.373	14.369	14.379	VV	458716	2727839	10.83%	0.131%
284	14.401	14.379	14.425	VV	486363	12991703	51.60%	0.625%
285	14.441	14.425	14.467	VV	477986	11671805	46.36%	0.561%
286	14.472	14.467	14.483	VV	459310	4271708	16.97%	0.205%
287	14.505	14.483	14.526	VV	458671	11650145	46.27%	0.560%
288	14.554	14.526	14.576	VV	467183	13540858	53.78%	0.651%
289	14.587	14.576	14.595	VV	449576	5118406	20.33%	0.246%
290	14.602	14.595	14.606	VV	455787	3046806	12.10%	0.147%
291	14.611	14.606	14.628	VV	456038	5822581	23.13%	0.280%
292	14.651	14.628	14.715	VV	507806	24052121	95.53%	1.157%
293	14.745	14.715	14.759	VV	432722	11075908	43.99%	0.533%
294	14.776	14.759	14.805	VV	433925	11555793	45.90%	0.556%
295	14.812	14.805	14.824	VV	429898	4831400	19.19%	0.232%
296	14.829	14.824	14.836	VV	419454	2952558	11.73%	0.142%
297	14.846	14.836	14.866	VV	419462	7533962	29.92%	0.362%
298	14.895	14.866	14.914	VV	430345	11571860	45.96%	0.557%
299	14.929	14.914	14.940	VV	426390	6533350	25.95%	0.314%

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300	14.950	14.940	14.955	VV	427041	3964368	15.75%	0.191%
301	14.973	14.955	14.987	VV	429307	7976960	31.68%	0.384%
302	15.007	14.987	15.012	VV	413712	6174949	24.53%	0.297%
303	15.021	15.012	15.044	VV	431790	8029946	31.89%	0.386%
304	15.049	15.044	15.053	VV	411034	2210515	8.78%	0.106%
305	15.075	15.053	15.106	VV	556125	14692210	58.36%	0.707%
306	15.113	15.106	15.122	VV	407667	3772158	14.98%	0.181%
307	15.128	15.122	15.138	VV	400122	3776385	15.00%	0.182%
308	15.146	15.138	15.152	VV	411726	3382195	13.43%	0.163%
309	15.156	15.152	15.169	VV	411851	4010096	15.93%	0.193%
310	15.175	15.169	15.180	VV	384361	2576563	10.23%	0.124%
311	15.186	15.180	15.190	VV	384924	2230962	8.86%	0.107%
312	15.195	15.190	15.204	VV	388597	3187716	12.66%	0.153%
313	15.213	15.204	15.230	VV	384723	5876838	23.34%	0.283%
314	15.244	15.230	15.270	VV	400966	9471233	37.62%	0.456%
315	15.282	15.270	15.299	VV	402532	6604408	26.23%	0.318%
316	15.311	15.299	15.336	VV	389494	8540125	33.92%	0.411%
317	15.359	15.336	15.365	VV	400155	6804393	27.03%	0.327%
318	15.371	15.365	15.390	VV	406754	6107719	24.26%	0.294%
319	15.393	15.390	15.423	VV	397438	7666270	30.45%	0.369%
320	15.448	15.423	15.477	VV	403726	12416660	49.32%	0.597%
321	15.482	15.477	15.505	VV	383865	6488146	25.77%	0.312%
322	15.508	15.505	15.512	VV	376997	1598639	6.35%	0.077%
323	15.535	15.512	15.542	VV	379444	6660643	26.46%	0.320%
324	15.555	15.542	15.560	VV	391954	4134394	16.42%	0.199%
325	15.564	15.560	15.575	VV	396633	3429343	13.62%	0.165%
326	15.580	15.575	15.587	VV	385809	2820170	11.20%	0.136%
327	15.606	15.587	15.633	VV	396263	10635605	42.24%	0.512%
328	15.640	15.633	15.648	VV	369122	3236438	12.86%	0.156%
329	15.664	15.648	15.690	VV	371374	9186816	36.49%	0.442%
330	15.730	15.690	15.764	VV	398486	16331748	64.87%	0.785%
331	15.769	15.764	15.774	VV	364187	2069542	8.22%	0.100%
332	15.834	15.774	15.839	VV	393411	14562860	57.84%	0.700%
333	15.844	15.839	15.875	VV	395334	8347589	33.16%	0.401%
334	15.885	15.875	15.896	VV	384523	4773328	18.96%	0.230%
335	15.905	15.896	15.944	VV	381251	10892877	43.27%	0.524%
336	15.949	15.944	15.959	VV	360825	3119684	12.39%	0.150%
337	15.985	15.959	16.004	VV	369533	9723598	38.62%	0.468%
338	16.036	16.004	16.059	VV	364564	11817821	46.94%	0.568%
339	16.079	16.059	16.090	VV	364930	6731439	26.74%	0.324%
340	16.095	16.090	16.100	VV	366823	2236961	8.89%	0.108%
341	16.109	16.100	16.120	VV	366472	4379799	17.40%	0.211%
342	16.147	16.120	16.189	VV	383250	15056799	59.81%	0.724%
343	16.222	16.189	16.226	VV	382504	8380560	33.29%	0.403%
344	16.234	16.226	16.253	VV	387479	6055218	24.05%	0.291%
345	16.280	16.253	16.305	VV	407840	11962863	47.52%	0.575%
346	16.309	16.305	16.312	VV	367528	1529839	6.08%	0.074%
347	16.317	16.312	16.322	VV	368348	2203491	8.75%	0.106%
348	16.340	16.322	16.348	VV	381434	5736665	22.79%	0.276%
349	16.355	16.348	16.384	VV	381468	7900060	31.38%	0.380%
350	16.393	16.384	16.397	VV	346837	2626861	10.43%	0.126%
351	16.411	16.397	16.435	VV	362093	8005472	31.80%	0.385%

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352	16.469	16.435	16.485	VV	360703	10541125	41.87%	0.507%
353	16.518	16.485	16.561	VV	407815	16794299	66.71%	0.808%
354	16.579	16.561	16.589	VV	361603	5700754	22.64%	0.274%
355	16.597	16.589	16.627	VV	341115	7769825	30.86%	0.374%
356	16.636	16.627	16.644	VV	335298	3338466	13.26%	0.161%
357	16.664	16.644	16.669	VV	355546	5178881	20.57%	0.249%
358	16.683	16.669	16.691	VV	370451	4768921	18.94%	0.229%
359	16.710	16.691	16.762	VV	400277	15584634	61.90%	0.750%
360	16.795	16.762	16.816	VV	509887	13315740	52.89%	0.640%
361	16.826	16.816	16.853	VV	395647	8293178	32.94%	0.399%
362	16.876	16.853	16.908	VV	381296	11721597	46.56%	0.564%
363	16.914	16.908	16.921	VV	318548	2335694	9.28%	0.112%
364	16.925	16.921	16.937	VV	312481	2985091	11.86%	0.144%
365	16.960	16.937	17.005	VV	364046	13552544	53.83%	0.652%
366	17.022	17.005	17.060	VV	332837	10172895	40.41%	0.489%
367	17.098	17.060	17.122	VV	328543	11572718	45.97%	0.557%
368	17.135	17.122	17.168	VV	301370	7968767	31.65%	0.383%
369	17.191	17.168	17.230	VV	341092	10937937	43.45%	0.526%
370	17.250	17.230	17.268	VV	295635	6248718	24.82%	0.301%
371	17.280	17.268	17.300	VV	272104	5120053	20.34%	0.246%
372	17.322	17.300	17.380	VV	291280	13052287	51.84%	0.628%
373	17.396	17.380	17.415	VV	268551	5209938	20.69%	0.251%
374	17.436	17.415	17.443	VV	238346	3851518	15.30%	0.185%
375	17.458	17.443	17.463	VV	241743	2821409	11.21%	0.136%
376	17.492	17.463	17.507	VV	305926	7077415	28.11%	0.340%
377	17.532	17.507	17.551	VV	283355	7185797	28.54%	0.346%
378	17.555	17.551	17.583	VV	233273	4089159	16.24%	0.197%
379	17.626	17.583	17.631	VV	229211	6107695	24.26%	0.294%
380	17.641	17.631	17.661	VV	235836	3989909	15.85%	0.192%
381	17.670	17.661	17.679	VV	208580	2160841	8.58%	0.104%
382	17.699	17.679	17.739	VV	219267	7355173	29.21%	0.354%
383	17.749	17.739	17.780	VV	197755	4360490	17.32%	0.210%
384	17.805	17.780	17.822	VV	184424	4327403	17.19%	0.208%
385	17.827	17.822	17.832	VV	177007	1075517	4.27%	0.052%
386	17.855	17.832	17.912	VV	239644	8475800	33.67%	0.408%
387	17.938	17.912	17.959	VV	159034	4181422	16.61%	0.201%
388	17.966	17.959	17.973	VV	140652	1170547	4.65%	0.056%
389	17.978	17.973	17.993	VV	140409	1643132	6.53%	0.079%
390	18.004	17.993	18.034	VV	148065	3199463	12.71%	0.154%
391	18.059	18.034	18.086	VV	146315	4089188	16.24%	0.197%
392	18.091	18.086	18.108	VV	125532	1541779	6.12%	0.074%
393	18.111	18.108	18.119	VV	108133	683730	2.72%	0.033%
394	18.128	18.119	18.137	VV	112196	1192280	4.74%	0.057%
395	18.140	18.137	18.168	VV	108208	1915564	7.61%	0.092%
396	18.184	18.168	18.196	VV	102374	1593375	6.33%	0.077%
397	18.220	18.196	18.241	VV	100537	2507774	9.96%	0.121%
398	18.245	18.241	18.252	VV	77371	486470	1.93%	0.023%
399	18.271	18.252	18.300	VV	100475	2390684	9.50%	0.115%
400	18.321	18.300	18.369	VV	98281	3087636	12.26%	0.149%
401	18.384	18.369	18.389	VV	59743	664583	2.64%	0.032%
402	18.392	18.389	18.405	VV	61314	560735	2.23%	0.027%
403	18.410	18.405	18.414	VV	58565	308923	1.23%	0.015%
404	18.422	18.414	18.442	VV	58331	916460	3.64%	0.044%

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405	18.449	18.442	18.464	VV	54008	653619	2.60%	0.031%
406	18.468	18.464	18.473	VV	48802	242624	0.96%	0.012%
407	18.478	18.473	18.492	VV	46030	497539	1.98%	0.024%
408	18.497	18.492	18.515	VV	41269	504607	2.00%	0.024%
409	18.542	18.515	18.553	VV	47864	922668	3.66%	0.044%
410	18.563	18.553	18.577	VV	47479	618587	2.46%	0.030%
411	18.582	18.577	18.587	VV	38658	224252	0.89%	0.011%
412	18.601	18.587	18.627	VV	46909	881746	3.50%	0.042%
413	18.633	18.627	18.649	VV	24934	265630	1.06%	0.013%
414	18.665	18.649	18.688	VV	25850	455880	1.81%	0.022%
415	18.692	18.688	18.701	VV	14974	94937	0.38%	0.005%
416	18.708	18.701	18.729	VV	11298	118056	0.47%	0.006%
417	18.734	18.729	18.739	PV	3714	9761	0.04%	0.000%
					Sum of corrected areas: 2079158946			

Aromatic EPH 021125.M Sat Mar 01 04:06:55 2025

Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1DL	SDG No.:	Q1447
Lab Sample ID:	Q1447-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068362.D	10	02/27/25	03/05/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	28.8		4.11	10.8	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	94.9		2.60	7.21	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	751	E	3.25	10.8	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1080	E	8.66	14.4	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	845	E	19.5	21.6	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	5.36		40 - 140	107%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1447-01DL	Acq On:	05 Mar 2025 07:38
Client Sample ID:	WC1DL	Operator:	YP/AJ
Data file:	FC068362.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.366	5633233	39.942	300	ug/ml
Aliphatic C12-C16	6.367	9.750	17987236	131.626	200	ug/ml
Aliphatic C16-C21	9.751	13.103	137109125	1040	300	ug/ml
Aliphatic C21-C28	13.104	16.756	184283429	1500	400	ug/ml
Aliphatic C28-C40	16.757	21.558	120499928	1170	600	ug/ml
Aliphatic EPH	3.101	21.558	465512951	3890		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.837	12.837	603306	5.36		ug/ml
Aliphatic C9-C28	3.101	16.756	345013023	2720	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC030425AL\
 Data File : FC068362.D
 Signal(s) : FID1A.ch
 Acq On : 05 Mar 2025 07:38
 Operator : YP/AJ
 Sample : Q1447-01DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 WC1DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/07/2025
 Supervised By :mohammad ahmed 03/08/2025

Integration File: autoint1.e
 Quant Time: Mar 05 13:31:33 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...	12.837	603306	5.364 ug/mlm
Spiked Amount	50.000	Recovery =	10.73%
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC030425AL\
Data File : FC068362.D
Signal(s) : FID1A.ch
Acq On : 05 Mar 2025 07:38
Operator : YP/AJ
Sample : Q1447-01DL 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

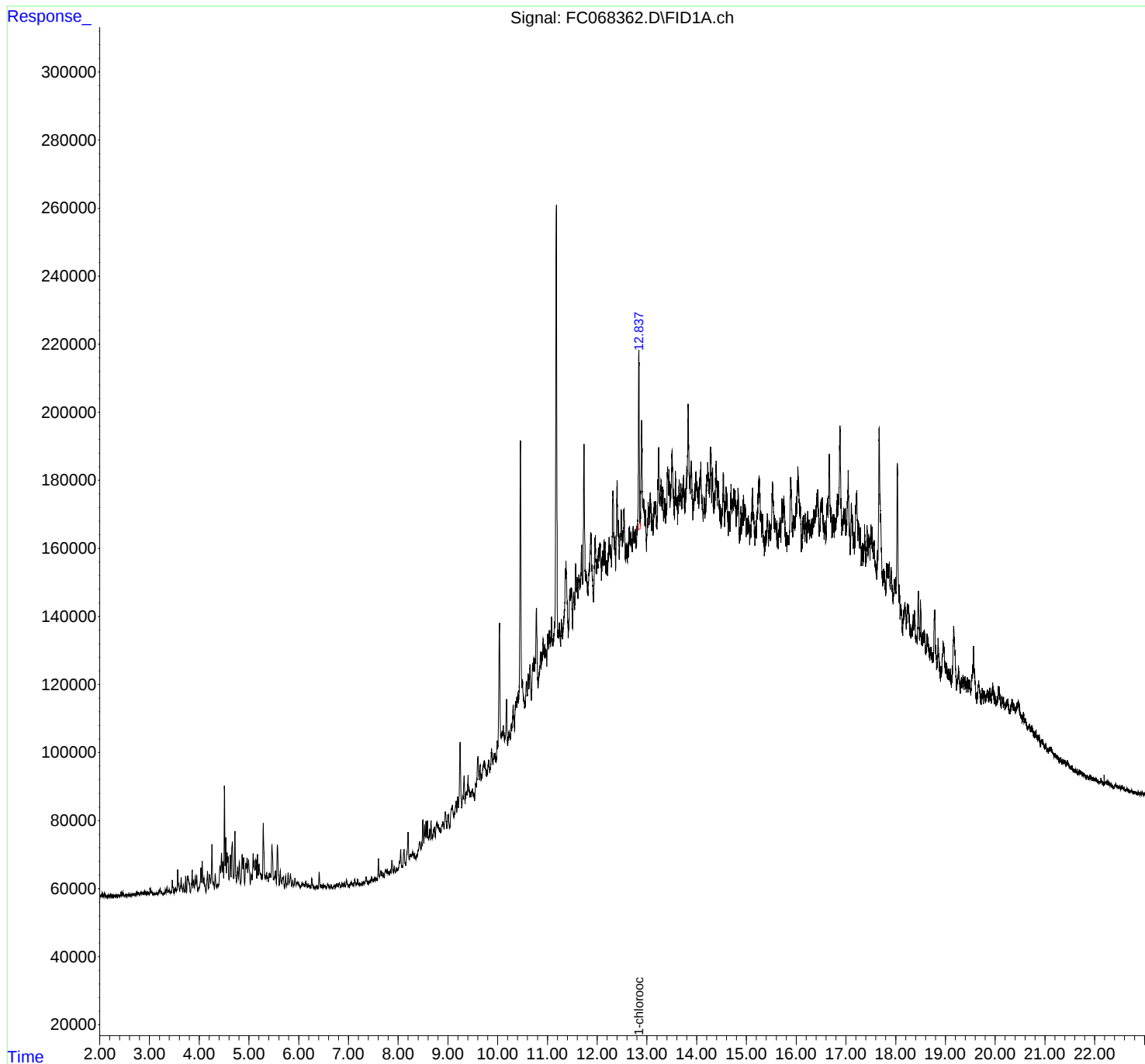
Instrument :
FID_C
ClientSampleId :
WC1DL

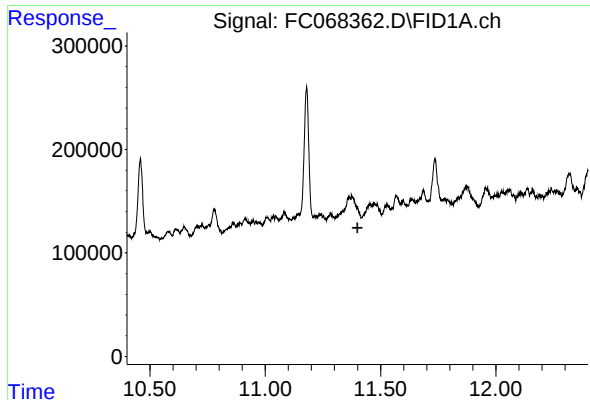
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025

Integration File: autoint1.e
Quant Time: Mar 05 13:31:33 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





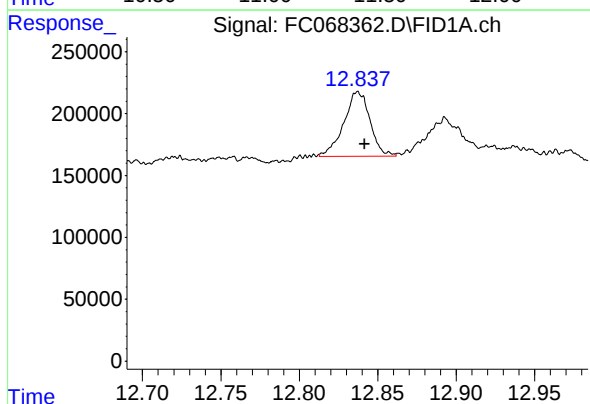
#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
WC1DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025



#12 1-chlorooctadecane (SURR)

R.T.: 12.837 min
Delta R.T.: -0.004 min
Response: 603306
Conc: 5.36 ug/ml m

rters

Instrument :

FID_C

ClientSampleId :

WC1DL

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/07/2025

Supervised By :mohammad ahmed 03/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC03042
Data File : FC068362.D
Signal(s) : FID1A.ch
Acq On : 05 Mar 2025 07:38
Sample : Q1447-01DL 10X
Misc :
ALS Vial : 19 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	2.333	2.304	2.359	BV	174	2894	0.04%	0.001%
2	2.376	2.359	2.404	VV	378	4651	0.06%	0.001%
3	2.427	2.404	2.454	VV	1131	13822	0.17%	0.003%
4	2.468	2.454	2.505	VV	1120	11803	0.15%	0.003%
5	2.521	2.505	2.534	VV	437	4236	0.05%	0.001%
6	2.610	2.534	2.622	VV	286	12108	0.15%	0.003%
7	2.669	2.622	2.694	VV	583	14840	0.18%	0.003%
8	2.750	2.694	2.768	VV	807	20233	0.25%	0.004%
9	2.782	2.768	2.792	VV	628	7771	0.10%	0.002%
10	2.804	2.792	2.817	VV	543	7564	0.09%	0.002%
11	2.834	2.817	2.872	VV	978	19091	0.24%	0.004%
12	2.910	2.872	2.926	VV	1053	21293	0.26%	0.005%
13	2.955	2.926	2.986	VV	813	18195	0.22%	0.004%
14	3.023	2.986	3.037	VV	1622	25951	0.32%	0.006%
15	3.047	3.037	3.071	VV	1047	12996	0.16%	0.003%
16	3.091	3.071	3.128	VV	419	11053	0.14%	0.002%
17	3.142	3.128	3.154	VV	506	6081	0.07%	0.001%
18	3.169	3.154	3.176	VV	543	5469	0.07%	0.001%
19	3.215	3.176	3.268	VV	1853	41437	0.51%	0.009%
20	3.279	3.268	3.283	VV	248	1828	0.02%	0.000%
21	3.319	3.283	3.332	VV	1388	17007	0.21%	0.004%
22	3.352	3.332	3.386	VV	2092	38775	0.48%	0.008%
23	3.398	3.386	3.421	VV	1387	18610	0.23%	0.004%
24	3.460	3.421	3.492	VV	3995	62203	0.77%	0.013%
25	3.568	3.541	3.608	VV	7112	115635	1.43%	0.025%
26	3.638	3.608	3.669	VV	4862	80708	0.99%	0.017%
27	3.686	3.669	3.711	VV	2627	35394	0.44%	0.008%
28	3.729	3.711	3.746	VV	5120	48237	0.59%	0.010%
29	3.859	3.824	3.873	VV	6790	88453	1.09%	0.019%
30	3.887	3.873	3.904	VV	3888	50202	0.62%	0.011%
31	3.951	3.936	3.974	VV	5234	66417	0.82%	0.014%
32	4.034	3.974	4.046	VV	7410	126413	1.56%	0.027%
33	4.061	4.046	4.083	VV	9268	119435	1.47%	0.025%
34	4.095	4.083	4.134	VV	4389	74488	0.92%	0.016%
35	4.167	4.134	4.186	VV	6337	92923	1.15%	0.020%
36	4.209	4.186	4.231	VV	5336	93799	1.16%	0.020%

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37	4.322	4.304	4.346	VV	5471	78758	0.97%	0.017%
38	4.371	4.346	4.383	VV	2293	42901		
39	4.449	4.433	4.465	VV	11543	160843		
40	4.477	4.465	4.491	VV	9015	115895		
41	4.533	4.523	4.547	VV	16141	164761		
42	4.562	4.547	4.599	VV	11559	261777		
43	4.625	4.599	4.640	VV	10746	170720	2.10%	0.036%
44	4.718	4.693	4.750	VV	17810	269364	3.32%	0.057%
45	4.807	4.788	4.829	VV	8847	142760	1.76%	0.030%
46	4.864	4.829	4.880	VV	10837	191840	2.36%	0.041%
47	4.892	4.880	4.914	VV	9799	126048	1.55%	0.027%
48	4.935	4.914	4.948	VV	8330	121388	1.50%	0.026%
49	4.962	4.948	4.975	VV	9719	125227	1.54%	0.027%
50	4.992	4.975	5.028	VV	9090	201568	2.48%	0.043%
51	5.045	5.028	5.065	VV	5036	89199	1.10%	0.019%
52	5.085	5.065	5.119	VV	11036	244654	3.02%	0.052%
53	5.142	5.119	5.157	VV	9143	156785	1.93%	0.033%
54	5.172	5.157	5.188	VV	10724	138262	1.70%	0.030%
55	5.202	5.188	5.247	VV	7761	203766	2.51%	0.043%
56	5.356	5.341	5.391	VV	5281	119212	1.47%	0.025%
57	5.407	5.391	5.419	VV	5004	71858	0.89%	0.015%
58	5.430	5.419	5.440	VV	4691	54251	0.67%	0.012%
59	5.463	5.440	5.508	VV	13233	290062	3.58%	0.062%
60	5.533	5.508	5.550	VV	5678	105761	1.30%	0.023%
61	5.631	5.611	5.660	VV	5777	96481	1.19%	0.021%
62	5.691	5.660	5.718	VV	3838	87841	1.08%	0.019%
63	5.738	5.718	5.756	VV	4114	53200	0.66%	0.011%
64	5.787	5.756	5.806	VV	4987	76839	0.95%	0.016%
65	5.835	5.806	5.861	VV	4590	92340	1.14%	0.020%
66	5.880	5.861	5.899	VV	2852	42325	0.52%	0.009%
67	5.925	5.899	5.949	VV	3236	60345	0.74%	0.013%
68	5.965	5.949	5.974	VV	2057	26765	0.33%	0.006%
69	5.984	5.974	6.034	VV	2200	52633	0.65%	0.011%
70	6.067	6.034	6.084	VV	2014	39019	0.48%	0.008%
71	6.096	6.084	6.123	VV	1520	30095	0.37%	0.006%
72	6.142	6.123	6.170	VV	2257	40281	0.50%	0.009%
73	6.189	6.170	6.202	VV	1033	18146	0.22%	0.004%
74	6.214	6.202	6.244	VV	993	19395	0.24%	0.004%
75	6.264	6.244	6.333	VV	3108	55830	0.69%	0.012%
76	6.351	6.333	6.371	VV	709	10524	0.13%	0.002%
77	6.384	6.371	6.393	VV	663	6174	0.08%	0.001%
78	6.412	6.393	6.434	VV	4905	56496	0.70%	0.012%
79	6.447	6.434	6.471	VV	1171	15551	0.19%	0.003%
80	6.483	6.471	6.505	VV	732	10773	0.13%	0.002%
81	6.521	6.505	6.555	VV	842	15438	0.19%	0.003%
82	6.583	6.555	6.634	VV	1417	27469	0.34%	0.006%
83	6.653	6.634	6.685	VV	737	12857	0.16%	0.003%
84	6.708	6.685	6.735	PV	702	12822	0.16%	0.003%
85	6.761	6.735	6.771	VV	1103	16720	0.21%	0.004%
86	6.778	6.771	6.796	VV	1045	11993	0.15%	0.003%
87	6.818	6.796	6.846	VV	1418	22565	0.28%	0.005%
88	6.866	6.846	6.892	VV	789	16361	0.20%	0.003%
89	6.917	6.892	6.938	VV	945	16681	0.21%	0.004%

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Manual IntegrationsAPPROVED

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90	6.963	6.938	6.997	PV	2038	30062	0.37%	0.006%
91	7.055	6.997	7.074	VV	1069	25142		
92	7.087	7.074	7.111	VV	661	10478		
93	7.128	7.111	7.161	VV	2019	28510		
94	7.185	7.161	7.211	VV	1850	24339		
95	7.239	7.211	7.261	VV	402	8424		
96	7.298	7.261	7.318	VV	747	16315	0.20%	0.003%
97	7.356	7.318	7.386	VV	2198	45185	0.56%	0.010%
98	7.465	7.386	7.487	VV	1923	54346	0.67%	0.012%
99	7.518	7.487	7.533	VV	1509	30025	0.37%	0.006%
100	7.550	7.533	7.570	VV	1673	27895	0.34%	0.006%
101	7.603	7.570	7.624	VV	7176	100203	1.24%	0.021%
102	7.654	7.624	7.669	VV	3539	72780	0.90%	0.016%
103	7.679	7.669	7.695	VV	3036	36069	0.44%	0.008%
104	7.706	7.695	7.718	VV	2059	26320	0.32%	0.006%
105	7.745	7.718	7.768	VV	3637	87233	1.08%	0.019%
106	7.782	7.768	7.798	VV	3488	54858	0.68%	0.012%
107	7.808	7.798	7.824	VV	2856	40446	0.50%	0.009%
108	7.844	7.824	7.855	VV	3360	50772	0.63%	0.011%
109	7.875	7.855	7.899	VV	6160	110846	1.37%	0.024%
110	7.922	7.899	7.944	VV	4298	90106	1.11%	0.019%
111	7.965	7.944	7.980	VV	3772	69971	0.86%	0.015%
112	8.051	7.980	8.091	VV	8904	319244	3.94%	0.068%
113	8.116	8.091	8.153	VV	8975	229778	2.83%	0.049%
114	8.200	8.153	8.221	VV	13772	346888	4.28%	0.074%
115	8.257	8.221	8.270	VV	7391	203998	2.51%	0.044%
116	8.295	8.270	8.312	VV	8023	184678	2.28%	0.039%
117	8.322	8.312	8.348	VV	7090	142709	1.76%	0.030%
118	8.428	8.348	8.458	VV	10622	534528	6.59%	0.114%
119	8.496	8.458	8.516	VV	16722	408003	5.03%	0.087%
120	8.532	8.516	8.544	VV	15311	222470	2.74%	0.047%
121	8.560	8.544	8.574	VV	16503	252169	3.11%	0.054%
122	8.588	8.574	8.612	VV	16665	308741	3.81%	0.066%
123	8.633	8.612	8.645	VV	13884	248386	3.06%	0.053%
124	8.727	8.681	8.745	VV	14402	495672	6.11%	0.106%
125	8.781	8.745	8.797	VV	15774	446448	5.50%	0.095%
126	8.807	8.797	8.831	VV	14997	290776	3.58%	0.062%
127	8.844	8.831	8.858	VV	13886	217460	2.68%	0.046%
128	8.901	8.858	8.921	VV	15619	548329	6.76%	0.117%
129	8.949	8.921	8.979	VV	18451	565081	6.97%	0.121%
130	9.006	8.979	9.033	VV	17498	511237	6.30%	0.109%
131	9.165	9.114	9.180	VV	21430	749268	9.24%	0.160%
132	9.196	9.180	9.211	VV	22658	392451	4.84%	0.084%
133	9.245	9.211	9.279	VV	38731	1083696	13.36%	0.231%
134	9.325	9.279	9.346	VV	28482	938026	11.56%	0.200%
135	9.367	9.346	9.388	VV	23694	577050	7.11%	0.123%
136	9.405	9.388	9.444	VV	28560	842181	10.38%	0.180%
137	9.453	9.444	9.471	VV	23429	365247	4.50%	0.078%
138	9.495	9.471	9.508	VV	24177	520665	6.42%	0.111%
139	9.520	9.508	9.537	VV	23293	395403	4.87%	0.084%
140	9.561	9.537	9.573	VV	25787	532275	6.56%	0.114%
141	9.603	9.573	9.631	VV	33530	1017584	12.54%	0.217%

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142	9.645	9.631	9.683	VV	30981	901481	11.11%	0.192%
143	9.732	9.683	9.742	VV	31661	1073519	13.11%	0.192%
144	9.747	9.742	9.790	VV	31227	839570	10.36%	0.192%
145	9.818	9.790	9.841	VV	32040	943093	11.11%	0.192%
146	9.876	9.841	9.908	VV	35352	1285331	15.11%	0.192%
147	9.943	9.908	9.967	VV	34002	1176375	14.11%	0.192%
148	10.114	10.077	10.136	VV	42044	1402662	17.29%	0.299%
149	10.179	10.136	10.204	VV	49026	1688516	20.82%	0.360%
150	10.225	10.204	10.250	VV	39576	1049708	12.94%	0.224%
151	10.274	10.250	10.284	VV	41960	840537	10.36%	0.179%
152	10.311	10.284	10.341	VV	47417	1481718	18.27%	0.316%
153	10.362	10.341	10.370	VV	48667	793170	9.78%	0.169%
154	10.404	10.370	10.420	VV	50263	1480812	18.26%	0.316%
155	10.458	10.420	10.489	VV	124087	3094432	38.15%	0.661%
156	10.580	10.548	10.596	VV	53695	1473852	18.17%	0.315%
157	10.613	10.596	10.629	VV	56391	1092049	13.46%	0.233%
158	10.648	10.629	10.678	VV	58607	1578121	19.45%	0.337%
159	10.725	10.678	10.738	VV	60294	2048449	25.25%	0.437%
160	10.779	10.738	10.814	VV	75415	2835499	34.96%	0.605%
161	10.913	10.878	10.934	VV	65772	2099447	25.88%	0.448%
162	10.945	10.934	10.987	VV	63426	1978637	24.39%	0.422%
163	11.008	10.987	11.021	VV	66584	1326437	16.35%	0.283%
164	11.047	11.021	11.060	VV	68134	1526634	18.82%	0.326%
165	11.179	11.113	11.228	VV	191543	6331238	78.05%	1.351%
166	11.240	11.228	11.263	VV	70218	1435573	17.70%	0.306%
167	11.284	11.263	11.302	VV	69848	1595486	19.67%	0.341%
168	11.375	11.302	11.418	VV	87328	5258372	64.82%	1.122%
169	11.473	11.418	11.505	VV	80046	3913593	48.25%	0.835%
170	11.528	11.505	11.544	VV	77297	1758609	21.68%	0.375%
171	11.568	11.544	11.587	VV	86822	2055248	25.34%	0.439%
172	11.598	11.587	11.617	VV	81972	1429176	17.62%	0.305%
173	11.636	11.617	11.651	VV	83110	1644819	20.28%	0.351%
174	11.686	11.651	11.704	VV	91818	2709089	33.40%	0.578%
175	11.736	11.704	11.767	VV	121881	3646600	44.95%	0.778%
176	11.778	11.767	11.813	VV	84362	2263050	27.90%	0.483%
177	11.877	11.813	11.927	VV	95393	5820048	71.75%	1.242%
178	11.956	11.927	11.981	VV	93893	2827242	34.85%	0.603%
179	12.026	11.981	12.041	VV	90272	3139089	38.70%	0.670%
180	12.060	12.041	12.087	VV	91273	2451147	30.22%	0.523%
181	12.108	12.087	12.119	VV	88388	1649315	20.33%	0.352%
182	12.136	12.119	12.148	VV	92834	1560014	19.23%	0.333%
183	12.159	12.148	12.208	VV	91438	3159501	38.95%	0.674%
184	12.241	12.208	12.261	VV	93247	2807152	34.61%	0.599%
185	12.264	12.261	12.286	VV	91240	1326074	16.35%	0.283%
186	12.319	12.286	12.372	VV	106194	4873736	60.08%	1.040%
187	12.398	12.372	12.442	VV	109424	4130754	50.92%	0.882%
188	12.485	12.442	12.515	VV	100989	4128437	50.89%	0.881%
189	12.539	12.515	12.567	VV	99998	2941449	36.26%	0.628%
190	12.585	12.567	12.604	VV	91237	1974490	24.34%	0.421%
191	12.615	12.604	12.626	VV	89777	1188578	14.65%	0.254%
192	12.649	12.626	12.658	VV	94754	1744668	21.51%	0.372%
193	12.676	12.658	12.703	VV	94135	2512548	30.97%	0.536%
194	12.721	12.703	12.737	VV	94700	1910184	23.55%	0.408%

Instrument :

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							Instrument : FID_C	
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195	12.768	12.737	12.781	VV	94177	2418628	29.82%	0.516%
196	12.838	12.781	12.862	VV	146825	5217457	64.00%	0.516%
197	12.893	12.862	12.956	VV	124219	5979832	73.00%	0.516%
198	12.971	12.956	12.990	VV	99753	1964605	24.00%	0.516%
199	13.025	12.990	13.044	VV	101808	3167989	39.00%	0.516%
200	13.066	13.044	13.094	VV	104130	2979856	36.00%	0.516%
201	13.107	13.094	13.124	VV	98986	1768702	21.80%	0.378%
202	13.148	13.124	13.164	VV	101913	2384276	29.39%	0.509%
203	13.173	13.164	13.201	VV	102716	2195294	27.06%	0.469%
204	13.233	13.201	13.264	VV	117424	4063510	50.09%	0.867%
205	13.284	13.264	13.305	VV	108640	2541275	31.33%	0.542%
206	13.316	13.305	13.343	VV	105236	2350024	28.97%	0.502%
207	13.357	13.343	13.381	VV	102158	2269093	27.97%	0.484%
208	13.416	13.381	13.465	VV	112216	5319953	65.58%	1.136%
209	13.503	13.465	13.554	VV	116759	5713226	70.43%	1.220%
210	13.574	13.554	13.615	VV	108216	3755736	46.30%	0.802%
211	13.649	13.615	13.664	VV	107028	3045678	37.55%	0.650%
212	13.681	13.664	13.699	VV	106403	2133758	26.30%	0.455%
213	13.737	13.699	13.764	VV	108361	4095797	50.49%	0.874%
214	13.827	13.764	13.871	VV	128876	7085625	87.35%	1.512%
215	13.891	13.871	13.924	VV	113155	3411544	42.06%	0.728%
216	13.987	13.924	14.042	VV	109058	7338377	90.47%	1.566%
217	14.083	14.042	14.128	VV	111689	5373702	66.25%	1.147%
218	14.278	14.257	14.310	VV	116033	3496041	43.10%	0.746%
219	14.350	14.341	14.360	VV	99431	1163000	14.34%	0.248%
220	14.391	14.360	14.414	VV	111221	3462260	42.68%	0.739%
221	14.433	14.414	14.498	VV	105552	4989402	61.51%	1.065%
222	14.534	14.498	14.561	VV	107955	3846314	47.42%	0.821%
223	14.590	14.561	14.635	VV	103293	4356639	53.71%	0.930%
224	14.691	14.635	14.711	VV	104331	4423949	54.54%	0.944%
225	14.834	14.791	14.872	VV	102237	4695969	57.89%	1.002%
226	14.942	14.872	14.961	VV	100971	5085463	62.69%	1.086%
227	14.975	14.961	14.993	VV	98101	1854937	22.87%	0.396%
228	15.189	15.169	15.201	VV	93456	1720494	21.21%	0.367%
229	15.257	15.201	15.306	VV	105883	6142427	75.72%	1.311%
230	15.324	15.306	15.373	VV	94693	3585596	44.20%	0.765%
231	15.422	15.373	15.441	VV	94741	3721959	45.88%	0.794%
232	15.459	15.441	15.490	VV	92583	2650054	32.67%	0.566%
233	15.581	15.569	15.641	VV	93500	3890193	47.96%	0.830%
234	15.669	15.641	15.691	VV	92842	2720939	33.54%	0.581%
235	15.712	15.691	15.730	VV	98624	2193013	27.03%	0.468%
236	15.752	15.730	15.794	VV	98870	3582715	44.17%	0.765%
237	15.806	15.794	15.814	VV	88254	1067074	13.15%	0.228%
238	15.838	15.814	15.852	VV	88131	1982420	24.44%	0.423%
239	15.893	15.852	15.931	VV	104830	4470317	55.11%	0.954%
240	15.942	15.931	15.954	VV	92978	1277606	15.75%	0.273%
241	15.962	15.954	15.975	VV	92912	1140975	14.07%	0.244%
242	16.035	15.975	16.116	VV	107785	8111771	100.00%	1.732%
243	16.151	16.116	16.174	VV	93291	3171835	39.10%	0.677%
244	16.184	16.174	16.210	VV	93301	1914309	23.60%	0.409%
245	16.229	16.210	16.243	VV	93801	1795315	22.13%	0.383%
246	16.257	16.243	16.278	VV	90699	1906730	23.51%	0.407%

Manual IntegrationsAPPROVED

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						Instrument : FID_C ClientSampleId : WC1DL		
rteres						10.89%	0.189%	
247	16.285	16.278	16.294	VV	90485	883708	25	Manual IntegrationsAPPROVED
248	16.298	16.294	16.332	VV	91100	2038343	91	
249	16.428	16.332	16.464	VV	99141	7435835	29	
250	16.499	16.464	16.508	VV	95390	2405765	45	
251	16.522	16.508	16.574	VV	96079	3669435	13	
252	16.584	16.574	16.594	VV	90994	1065983	30.96%	0.536%
253	16.626	16.594	16.639	VV	96681	2511032	61.74%	1.069%
254	16.665	16.639	16.726	VV	108003	5008042	60.16%	1.042%
255	16.828	16.752	16.841	VV	96695	4880387	57.74%	1.000%
256	16.880	16.841	16.918	VV	117483	4684135	57.29%	0.992%
257	16.987	16.918	17.003	VV	93478	4647207	56.37%	0.976%
258	17.045	17.003	17.086	VV	105395	4572839	40.54%	0.702%
259	17.110	17.086	17.148	VV	95074	3288505	23.15%	0.401%
260	17.248	17.238	17.274	VV	89001	1878262	20.51%	0.355%
261	17.288	17.274	17.308	VV	87768	1663554	26.65%	0.461%
262	17.317	17.308	17.352	VV	81691	2161446	27.63%	0.478%
263	17.376	17.352	17.398	VV	88348	2241065	28.51%	0.494%
264	17.425	17.398	17.444	VV	88089	2312542	24.05%	0.416%
265	17.458	17.444	17.483	VV	84869	1950595	41.97%	0.727%
266	17.501	17.483	17.551	VV	88399	3404236	38.53%	0.667%
267	17.567	17.551	17.617	VV	83596	3125214	32.47%	0.562%
268	17.765	17.739	17.800	VV	74539	2633542	14.73%	0.255%
269	17.819	17.800	17.828	VV	76288	1194871	12.88%	0.223%
270	17.840	17.828	17.851	VV	75255	1044576	21.76%	0.377%
271	17.870	17.851	17.891	VV	77067	1764901	29.49%	0.511%
272	17.906	17.891	17.947	VV	74605	2392487	29.17%	0.505%
273	17.974	17.947	18.004	VV	71843	2366545	23.97%	0.415%
274	18.105	18.088	18.141	VV	64114	1944521	31.68%	0.549%
275	18.183	18.141	18.211	VV	63982	2569933	41.47%	0.718%
276	18.247	18.211	18.305	VV	64273	3364134	24.18%	0.419%
277	18.351	18.305	18.362	VV	60311	1961219	27.49%	0.476%
278	18.376	18.362	18.428	VV	61275	2230225	22.65%	0.392%
279	18.453	18.428	18.480	VV	67290	1837560	28.15%	0.487%
280	18.501	18.480	18.547	VV	63388	2283277	22.70%	0.393%
281	18.578	18.547	18.605	VV	55450	1841535	49.20%	0.852%
282	18.631	18.605	18.738	VV	54231	3991277	36.47%	0.632%
283	18.780	18.738	18.834	VV	60743	2958574	34.32%	0.594%
284	18.951	18.904	19.004	VV	51469	2784180	35.26%	0.611%
285	19.021	19.004	19.117	VV	45231	2860423	35.59%	0.616%
286	19.166	19.117	19.222	VV	55834	2887321	22.15%	0.383%
287	19.263	19.222	19.296	VV	44132	1796389	12.52%	0.217%
288	19.317	19.296	19.340	VV	40433	1015600	23.47%	0.406%
289	19.351	19.340	19.421	VV	40783	1903918	16.10%	0.279%
290	19.471	19.451	19.509	VV	38698	1305772	38.64%	0.669%
291	19.564	19.509	19.641	VV	48758	3134284	20.41%	0.353%
292	19.669	19.641	19.717	VV	38815	1655674	11.57%	0.200%
293	19.740	19.717	19.762	VV	36230	938249	14.83%	0.257%
294	19.772	19.762	19.821	VV	35506	1202995	14.04%	0.243%
295	19.842	19.821	19.876	VV	35824	1139084	11.63%	0.201%
296	19.893	19.876	19.921	VV	35623	943331	16.62%	0.288%
297	19.948	19.921	19.985	VV	37358	1348248	23.12%	0.400%
298	20.066	20.031	20.124	VV	36260	1875300	9.54%	0.165%
299	20.140	20.124	20.164	VV	33732	773848		

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025

					rters			
300	20.170	20.164	20.194	VV	31988	567346	6.99%	0.121%
301	20.253	20.194	20.298	VV	33046	1909459		
302	20.333	20.298	20.411	VV	32287	2061948		
303	20.465	20.411	20.549	VV	31943	2408175		
304	20.693	20.648	20.798	VV	24803	2076424		
305	20.823	20.798	20.914	VV	22332	1429152		
306	20.936	20.914	20.949	VV	19922	400854	4.94%	0.086%
307	20.961	20.949	21.000	VV	19587	557748	6.88%	0.119%
308	21.094	21.051	21.111	VV	17157	594298	7.33%	0.127%
309	21.121	21.111	21.227	VV	16844	1072112	13.22%	0.229%
310	21.239	21.227	21.298	VV	14420	583335	7.19%	0.125%
311	21.321	21.298	21.344	VV	13815	360562	4.44%	0.077%
312	21.354	21.344	21.374	VV	12888	226395	2.79%	0.048%
313	21.378	21.374	21.426	VV	13002	379479	4.68%	0.081%
314	21.451	21.426	21.511	VV	12885	589517	7.27%	0.126%
315	21.525	21.511	21.533	VV	10920	139165	1.72%	0.030%
316	21.546	21.533	21.598	VV	11052	390179	4.81%	0.083%
317	21.609	21.598	21.631	VV	9867	188127	2.32%	0.040%
318	21.646	21.631	21.665	VV	9929	182584	2.25%	0.039%
319	21.690	21.665	21.741	VV	9579	404989	4.99%	0.086%
320	21.748	21.741	21.778	VV	8656	184827	2.28%	0.039%
321	21.793	21.778	21.828	VV	8435	230778	2.84%	0.049%
322	21.838	21.828	21.845	VV	7569	74398	0.92%	0.016%
323	21.853	21.845	21.890	VV	7753	191024	2.35%	0.041%
324	21.916	21.890	22.014	VV	7538	499780	6.16%	0.107%
325	22.035	22.014	22.108	VV	6546	324241	4.00%	0.069%
326	22.125	22.108	22.211	VV	6324	321458	3.96%	0.069%
327	22.227	22.211	22.251	VBA	5285	153392	1.89%	0.033%
Sum of corrected areas:						468477058		

Instrument :
FID_C
ClientSampleId :
WC1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025

Aliphatic EPH 021125.M Wed Mar 05 13:48:15 2025

Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1DL	SDG No.:	Q1447
Lab Sample ID:	Q1447-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049153.D	25	02/27/25	03/03/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	7.85	J	8.11	18.0	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.12	J	9.20	27.0	mg/kg
Aromatic C16-C21	Aromatic C16-C21	337		26.0	45.1	mg/kg
Aromatic C21-C36	Aromatic C21-C36	724		54.1	72.1	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	2.18		40 - 140	109%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	2.16		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	2.77		40 - 140	138%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1447-01DL	Acq On:	03 Mar 2025 10:26
Client Sample ID:	WC1DL	Operator:	YP/AJ
Data file:	FD049153.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	25	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.074	5.792	692573	4.355	200	ug/ml
Aromatic C12-C16	5.793	8.394	814410	5.06	300	ug/ml
Aromatic C16-C21	8.395	12.657	28674870	186.978	500	ug/ml
Aromatic C21-C36	12.658	18.067	57530931	401.992	800	ug/ml
Aromatic EPH	4.074	18.067	87712784	598.386		ug/ml
ortho-Terphenyl (SURR)	11.231	11.231	448297	2.77		ug/ml
2-Bromonaphthalene (SURR)	7.372	7.372	312601	2.18		ug/ml
2-Fluorobiphenyl (SURR)	8.262	8.262	190008	2.16		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD030325AR\
 Data File : FD049153.D
 Signal(s) : FID2B.ch
 Acq On : 03 Mar 2025 10:26
 Operator : YP/AJ
 Sample : Q1447-01DL 25X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 WC1DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/04/2025
 Supervised By :Ankita Jodhani 03/05/2025

Integration File: autoint1.e
 Quant Time: Mar 04 07:36:44 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...	7.372	312601	2.184 ug/mlm
Spiked Amount 50.000		Recovery =	4.37%
6) S 2-Fluorobiphenyl (SURR)	8.262	190008	2.161 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	4.32%
11) S ortho-Terphenyl (SURR)	11.231	448297	2.771 ug/ml
Spiked Amount 50.000		Recovery =	5.54%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD030325AR\
Data File : FD049153.D
Signal(s) : FID2B.ch
Acq On : 03 Mar 2025 10:26
Operator : YP/AJ
Sample : Q1447-01DL 25X
Misc :
ALS Vial : 61 Sample Multiplier: 1

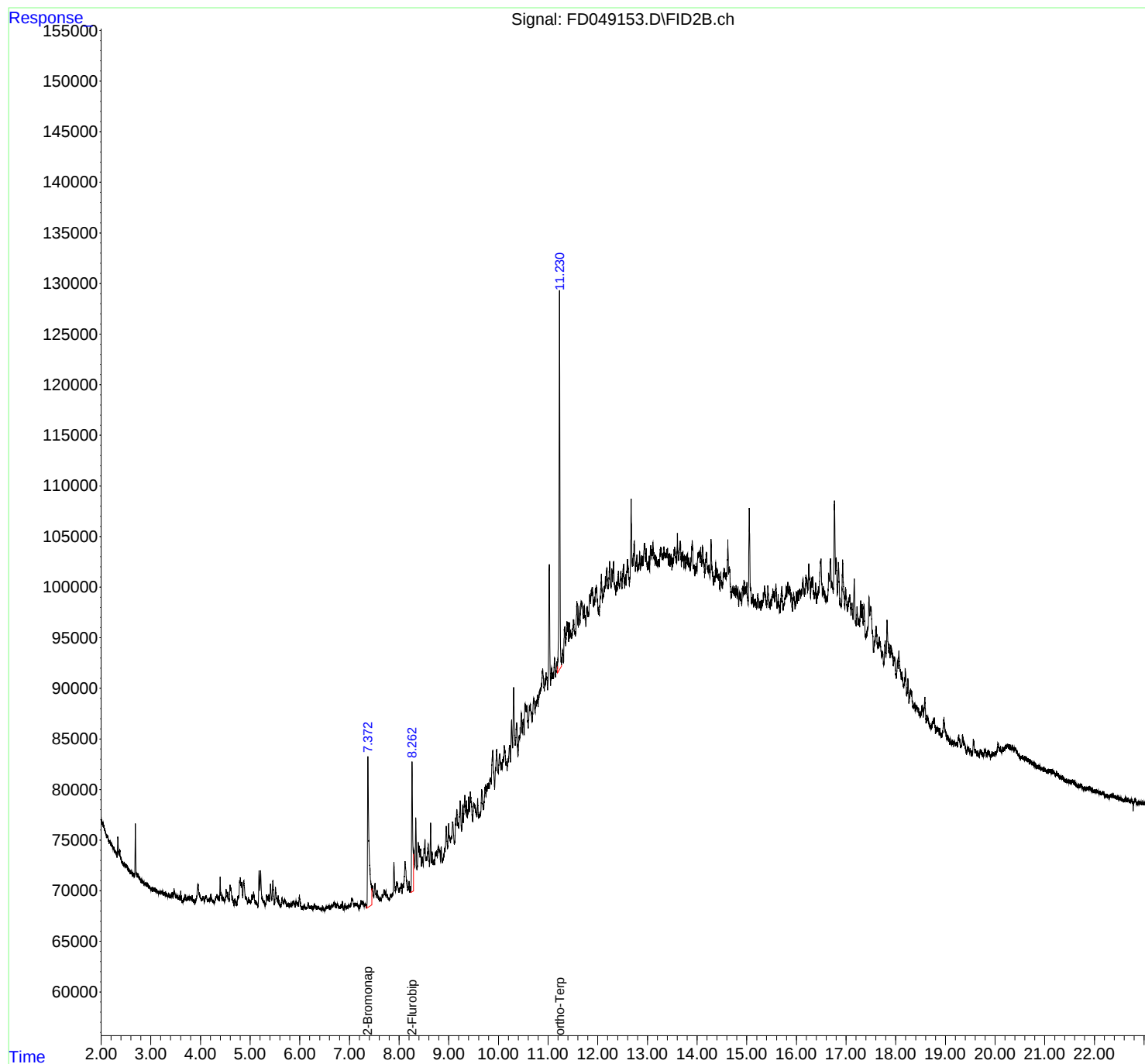
Instrument :
FID_D
ClientSampleId :
WC1DL

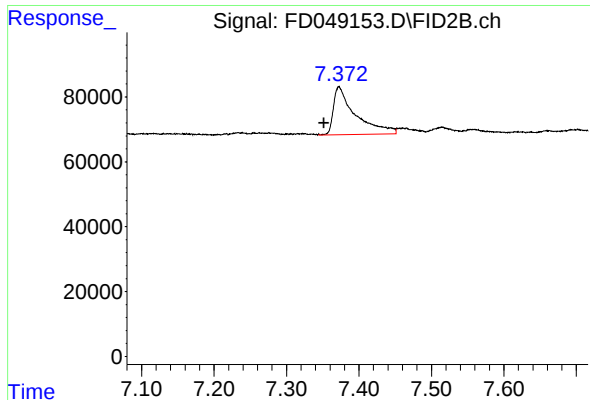
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/04/2025
Supervised By :Ankita Jodhani 03/05/2025

Integration File: autoint1.e
Quant Time: Mar 04 07:36:44 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





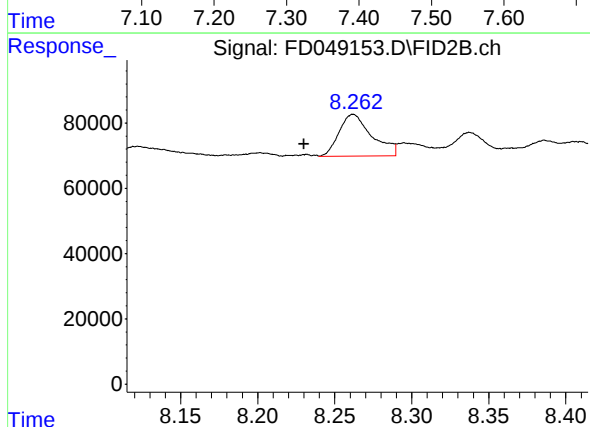
#4 2-Bromonaphthalene (SURR)

R.T.: 7.372 min
Delta R.T.: 0.020 min
Response: 312601
Conc: 2.18 ug/ml

Instrument :
FID_D
ClientSampleId :
WC1DL

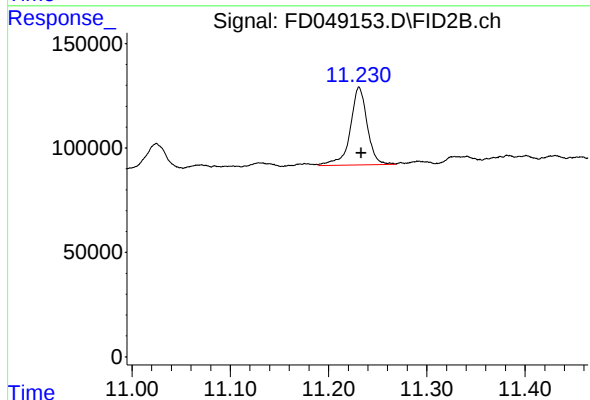
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/04/2025
Supervised By :Ankita Jodhani 03/05/2025



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.262 min
Delta R.T.: 0.032 min
Response: 190008
Conc: 2.16 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.231 min
Delta R.T.: -0.002 min
Response: 448297
Conc: 2.77 ug/ml

rteres

Instrument :

FID_D

ClientSampleId :

WC1DL

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/04/2025
Supervised By :Ankita Jodhani 03/05/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD03032
Data File : FD049153.D
Signal(s) : FID2B.ch
Acq On : 03 Mar 2025 10:26
Sample : Q1447-01DL 25X
Misc :
ALS Vial : 61 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	4.055	4.042	4.076	BV	313	3248	0.26%	0.004%
2	4.111	4.076	4.116	PV	552	7704	0.61%	0.009%
3	4.118	4.116	4.151	VV	534	6361	0.50%	0.007%
4	4.162	4.151	4.173	VV	229	2579	0.20%	0.003%
5	4.182	4.173	4.194	VV	320	2665	0.21%	0.003%
6	4.209	4.194	4.250	VV	778	11605	0.92%	0.013%
7	4.261	4.250	4.271	VV	232	1892	0.15%	0.002%
8	4.333	4.283	4.358	VV	886	23784	1.88%	0.027%
9	4.369	4.358	4.378	VV	749	6891	0.54%	0.008%
10	4.397	4.378	4.410	VV	2613	26275	2.07%	0.029%
11	4.416	4.410	4.435	VV	1083	12248	0.97%	0.014%
12	4.448	4.435	4.482	VV	625	13606	1.07%	0.015%
13	4.487	4.482	4.492	VV	502	2493	0.20%	0.003%
14	4.555	4.542	4.574	VV	1171	15218	1.20%	0.017%
15	4.598	4.574	4.607	VV	1975	23419	1.85%	0.026%
16	4.615	4.607	4.634	VV	1616	20265	1.60%	0.023%
17	4.640	4.634	4.674	VV	891	10114	0.80%	0.011%
18	4.752	4.733	4.759	VV	898	7257	0.57%	0.008%
19	4.767	4.759	4.773	VV	965	7391	0.58%	0.008%
20	4.789	4.773	4.795	VV	2440	24006	1.89%	0.027%
21	4.803	4.795	4.822	VV	2733	38498	3.04%	0.043%
22	4.830	4.822	4.852	VV	2314	30537	2.41%	0.034%
23	4.914	4.905	4.947	VV	993	18824	1.48%	0.021%
24	4.966	4.947	4.982	VV	895	12025	0.95%	0.013%
25	4.986	4.982	4.997	VV	637	4621	0.36%	0.005%
26	5.001	4.997	5.010	VV	505	3827	0.30%	0.004%
27	5.016	5.010	5.019	VV	531	2526	0.20%	0.003%
28	5.034	5.019	5.048	VV	1074	15242	1.20%	0.017%
29	5.069	5.048	5.099	VV	1458	30405	2.40%	0.034%
30	5.109	5.099	5.123	VV	689	6935	0.55%	0.008%
31	5.132	5.123	5.154	VV	548	6402	0.50%	0.007%
32	5.211	5.197	5.299	VV	3678	81625	6.44%	0.091%
33	5.336	5.299	5.362	VV	1251	28234	2.23%	0.032%
34	5.376	5.362	5.389	VV	1215	17148	1.35%	0.019%
35	5.410	5.389	5.435	VV	2385	41137	3.25%	0.046%
36	5.513	5.486	5.572	VV	2131	51985	4.10%	0.058%

					retention			
37	5.579	5.572	5.595	VV	829	7009	0.55%	0.008%
38	5.598	5.595	5.611	VV	396	3039	0.00%	0.000%
39	5.641	5.611	5.662	VV	1056	20471	0.00%	0.000%
40	5.668	5.662	5.675	VV	653	4940	0.00%	0.000%
41	5.691	5.675	5.712	VV	951	17361	0.00%	0.000%
42	5.719	5.712	5.746	VV	740	10383	0.00%	0.000%
43	5.769	5.746	5.775	VV	581	7433	0.59%	0.008%
44	5.782	5.775	5.801	VV	519	6193	0.49%	0.007%
45	5.811	5.801	5.816	VV	383	3307	0.26%	0.004%
46	5.828	5.816	5.840	VV	546	5803	0.46%	0.006%
47	5.872	5.863	5.910	VV	764	16159	1.27%	0.018%
48	5.925	5.910	5.930	VV	824	7145	0.56%	0.008%
49	5.934	5.930	5.950	VV	866	7850	0.62%	0.009%
50	5.952	5.950	5.966	VV	652	4972	0.39%	0.006%
51	5.972	5.966	5.976	VV	557	2836	0.22%	0.003%
52	5.993	5.976	6.042	VV	1430	24992	1.97%	0.028%
53	6.061	6.051	6.070	VV	273	2032	0.16%	0.002%
54	6.086	6.070	6.107	VV	441	7039	0.56%	0.008%
55	6.113	6.107	6.130	VV	261	2415	0.19%	0.003%
56	6.136	6.130	6.151	VV	234	2616	0.21%	0.003%
57	6.167	6.151	6.194	VV	685	11136	0.88%	0.012%
58	6.243	6.238	6.264	VV	356	4002	0.32%	0.004%
59	6.298	6.280	6.350	VV	596	14755	1.16%	0.016%
60	6.368	6.350	6.375	VV	436	4467	0.35%	0.005%
61	6.377	6.375	6.407	VV	359	3958	0.31%	0.004%
62	6.423	6.407	6.430	VV	205	2192	0.17%	0.002%
63	6.434	6.430	6.447	VV	247	1709	0.13%	0.002%
64	6.456	6.447	6.472	VV	404	3224	0.25%	0.004%
65	6.475	6.472	6.499	VV	228	1692	0.13%	0.002%
66	6.542	6.499	6.547	PV	402	6280	0.50%	0.007%
67	6.557	6.547	6.564	VV	307	2773	0.22%	0.003%
68	6.570	6.564	6.609	VV	434	9159	0.72%	0.010%
69	6.737	6.731	6.744	VV	369	2724	0.21%	0.003%
70	6.759	6.744	6.818	VV	581	14475	1.14%	0.016%
71	6.832	6.818	6.845	VV	563	5267	0.42%	0.006%
72	6.862	6.845	6.886	VV	766	9184	0.72%	0.010%
73	6.911	6.898	6.945	PV	481	6701	0.53%	0.007%
74	6.982	6.975	6.987	VV	411	2293	0.18%	0.003%
75	6.991	6.987	6.994	VV	341	1201	0.09%	0.001%
76	6.998	6.994	7.015	VV	356	3437	0.27%	0.004%
77	7.022	7.015	7.027	VV	480	2472	0.20%	0.003%
78	7.049	7.027	7.057	VV	1062	13664	1.08%	0.015%
79	7.117	7.091	7.126	VV	521	8176	0.64%	0.009%
80	7.130	7.126	7.143	VV	436	3853	0.30%	0.004%
81	7.149	7.143	7.177	VV	408	5723	0.45%	0.006%
82	7.180	7.177	7.200	VV	278	1508	0.12%	0.002%
83	7.233	7.200	7.250	PV	718	10353	0.82%	0.012%
84	7.262	7.250	7.274	VV	615	6764	0.53%	0.008%
85	7.316	7.311	7.331	VV	315	2815	0.22%	0.003%
86	7.372	7.348	7.450	PV	14740	309678	24.43%	0.346%
87	7.465	7.450	7.493	VV	1854	34896	2.75%	0.039%
88	7.514	7.493	7.542	VV	2028	38999	3.08%	0.044%
89	7.616	7.604	7.630	VV	410	5620	0.44%	0.006%

Instrument :

FID_D

ClientSampleId :

WC1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/04/2025
Supervised By :Ankita Jodhani 03/05/2025

90	7.637	7.630	7.643	VV	341	2175	0.17%	0.002%
91	7.661	7.643	7.670	VV	730	8367		
92	7.734	7.723	7.753	VV	928	12670		
93	7.760	7.753	7.799	VV	511	7241		
94	7.833	7.799	7.852	PV	445	7413		
95	7.937	7.925	7.941	VV	1128	8564		
96	7.953	7.941	7.986	VV	1480	31626	2.49%	0.035%
97	7.990	7.986	7.998	VV	756	4815	0.38%	0.005%
98	8.010	7.998	8.019	VV	847	8659	0.68%	0.010%
99	8.043	8.019	8.062	VV	1188	22005	1.74%	0.025%
100	8.081	8.062	8.088	VV	1062	12583	0.99%	0.014%
101	8.122	8.088	8.174	VV	3301	90537	7.14%	0.101%
102	8.201	8.174	8.216	VV	1226	17709	1.40%	0.020%
103	8.231	8.216	8.240	VV	691	5475	0.43%	0.006%
104	8.262	8.240	8.290	VV	12918	193528	15.27%	0.216%
105	8.295	8.290	8.317	VV	4118	54464	4.30%	0.061%
106	8.338	8.317	8.358	VV	7212	109233	8.62%	0.122%
107	8.386	8.358	8.397	VV	4703	78236	6.17%	0.087%
108	8.406	8.397	8.422	VV	4307	58920	4.65%	0.066%
109	8.434	8.422	8.449	VV	4080	57647	4.55%	0.064%
110	8.466	8.449	8.489	VV	3212	65150	5.14%	0.073%
111	8.502	8.489	8.509	VV	3918	39877	3.15%	0.045%
112	8.521	8.509	8.540	VV	4796	72985	5.76%	0.082%
113	8.547	8.540	8.552	VV	2980	20869	1.65%	0.023%
114	8.586	8.552	8.612	VV	4243	118138	9.32%	0.132%
115	8.636	8.612	8.654	VV	6324	95239	7.51%	0.106%
116	8.667	8.654	8.685	VV	3309	51241	4.04%	0.057%
117	8.703	8.685	8.713	VV	2565	39520	3.12%	0.044%
118	8.738	8.713	8.747	VV	3235	57496	4.54%	0.064%
119	8.755	8.747	8.771	VV	3340	46041	3.63%	0.051%
120	8.787	8.771	8.834	VV	3762	120986	9.54%	0.135%
121	8.848	8.834	8.869	VV	3584	58759	4.64%	0.066%
122	8.921	8.869	8.929	VV	3393	95439	7.53%	0.107%
123	8.950	8.929	8.974	VV	5438	117497	9.27%	0.131%
124	8.999	8.974	9.039	VV	5673	166533	13.14%	0.186%
125	9.077	9.039	9.114	VV	5699	206700	16.31%	0.231%
126	9.119	9.114	9.124	VV	3777	20802	1.64%	0.023%
127	9.139	9.124	9.150	VV	5986	81398	6.42%	0.091%
128	9.162	9.150	9.184	VV	6748	120433	9.50%	0.135%
129	9.191	9.184	9.202	VV	5428	58451	4.61%	0.065%
130	9.232	9.202	9.256	VV	7538	199976	15.77%	0.223%
131	9.325	9.294	9.347	VV	7897	215955	17.04%	0.241%
132	9.358	9.347	9.375	VV	7318	109276	8.62%	0.122%
133	9.403	9.375	9.418	VV	7681	174818	13.79%	0.195%
134	9.436	9.418	9.482	VV	8110	260845	20.58%	0.291%
135	9.504	9.482	9.525	VV	6922	165559	13.06%	0.185%
136	9.529	9.525	9.569	VV	6632	157019	12.39%	0.175%
137	9.583	9.569	9.604	VV	7164	132896	10.48%	0.149%
138	9.665	9.641	9.703	VV	7993	250271	19.74%	0.280%
139	9.729	9.703	9.750	VV	8080	204662	16.14%	0.229%
140	9.763	9.750	9.772	VV	8223	106430	8.40%	0.119%
141	9.783	9.772	9.791	VV	8317	92656	7.31%	0.104%

Instrument :

FID_D

ClientSampleId :

WC1DL

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Supervised By :Ankita Jodhani 03/05/2025

							Instrument : FID_D	
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rteres							10.02% 0.142%	
142	9.806	9.791	9.817	VV	8453	127055	Manual IntegrationsAPPROVED	
143	9.832	9.817	9.840	VV	8886	118710		
144	9.843	9.840	9.855	VV	8816	77993		
145	9.886	9.855	9.925	VV	11473	405179		
							Reviewed By :Yogesh Patel 03/04/2025	
							Supervised By :Ankita Jodhani 03/05/2025	
146	10.028	10.000	10.054	VV	10972	325519	25.89%	0.154%
147	10.064	10.054	10.077	VV	9906	137302	10.89%	0.154%
148	10.088	10.077	10.100	VV	10319	138075	10.89%	0.154%
149	10.163	10.150	10.176	VV	10026	150460	11.87%	0.168%
150	10.192	10.176	10.197	VV	10188	119711	9.44%	0.134%
151	10.229	10.197	10.243	VV	11507	298661	23.56%	0.334%
152	10.265	10.243	10.286	VV	13901	316277	24.95%	0.353%
153	10.368	10.347	10.397	VV	13522	361688	28.53%	0.404%
154	10.418	10.397	10.425	VV	12123	194050	15.31%	0.217%
155	10.438	10.425	10.443	VV	12845	131689	10.39%	0.147%
156	10.461	10.443	10.480	VV	14301	294294	23.21%	0.329%
157	10.501	10.480	10.519	VV	13631	301929	23.82%	0.337%
158	10.645	10.634	10.680	VV	14903	394541	31.12%	0.441%
159	10.712	10.680	10.739	VV	15418	513245	40.49%	0.574%
160	10.756	10.739	10.762	VV	14889	197573	15.59%	0.221%
161	10.768	10.762	10.773	VV	14954	99580	7.86%	0.111%
162	10.846	10.799	10.851	VV	16211	481327	37.97%	0.538%
163	10.936	10.925	10.943	VV	16955	185033	14.60%	0.207%
164	10.961	10.943	10.969	VV	17451	255245	20.13%	0.285%
165	11.025	10.991	11.052	VV	28145	746937	58.92%	0.835%
166	11.070	11.052	11.081	VV	17778	296108	23.36%	0.331%
167	11.103	11.081	11.112	VV	17192	314888	24.84%	0.352%
168	11.177	11.152	11.190	VV	18110	401381	31.66%	0.449%
169	11.231	11.190	11.268	VV	54663	1267700	100.00%	1.417%
170	11.274	11.268	11.280	VV	18561	128576	10.14%	0.144%
171	11.291	11.280	11.309	VV	19178	318775	25.15%	0.356%
172	11.329	11.309	11.335	VV	21345	322026	25.40%	0.360%
173	11.341	11.335	11.356	VV	21432	256785	20.26%	0.287%
174	11.382	11.356	11.390	VV	21893	428832	33.83%	0.479%
175	11.401	11.390	11.414	VV	21699	297732	23.49%	0.333%
176	11.431	11.414	11.442	VV	21677	356257	28.10%	0.398%
177	11.457	11.442	11.470	VV	21014	349081	27.54%	0.390%
178	11.579	11.552	11.608	VV	23590	729817	57.57%	0.816%
179	11.620	11.608	11.635	VV	22961	364711	28.77%	0.408%
180	11.666	11.635	11.671	VV	23406	482443	38.06%	0.539%
181	11.675	11.671	11.681	VV	23464	133255	10.51%	0.149%
182	11.726	11.709	11.743	VV	22919	451177	35.59%	0.504%
183	11.749	11.743	11.761	VV	21904	232089	18.31%	0.259%
184	11.787	11.761	11.800	VV	22733	510843	40.30%	0.571%
185	11.805	11.800	11.809	VV	22165	123478	9.74%	0.138%
186	11.839	11.809	11.860	VV	23844	705583	55.66%	0.788%
187	11.869	11.860	11.878	VV	24251	254047	20.04%	0.284%
188	11.884	11.878	11.888	VV	24543	145016	11.44%	0.162%
189	11.894	11.888	11.916	VV	24509	394546	31.12%	0.441%
190	11.933	11.916	11.939	VV	23486	315923	24.92%	0.353%
191	11.955	11.939	11.961	VV	24263	324235	25.58%	0.362%
192	11.969	11.961	11.974	VV	24559	188281	14.85%	0.210%
193	11.976	11.974	12.017	VV	24343	584722	46.12%	0.653%
194	12.022	12.017	12.032	VV	22199	197612	15.59%	0.221%

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195	12.073	12.032	12.094	VV	25394	880978	69.49%	0.984%
196	12.104	12.094	12.109	VV	23390	221549	17.49%	0.984%
197	12.123	12.109	12.135	VV	24229	366480	28.34%	0.984%
198	12.154	12.135	12.164	VV	25071	416260	32.16%	0.984%
199	12.187	12.164	12.213	VV	25969	736187	58.12%	0.984%
200	12.239	12.213	12.262	VV	26424	737717	58.12%	0.984%
201	12.285	12.262	12.299	VV	25702	547465	43.19%	0.612%
202	12.323	12.299	12.362	VV	26342	940367	74.18%	1.051%
203	12.377	12.362	12.395	VV	24276	473014	37.31%	0.529%
204	12.418	12.395	12.441	VV	25171	664817	52.44%	0.743%
205	12.468	12.441	12.487	VV	25097	680465	53.68%	0.760%
206	12.523	12.487	12.545	VV	25765	848653	66.94%	0.948%
207	12.561	12.545	12.575	VV	24691	439164	34.64%	0.491%
208	12.598	12.575	12.606	VV	26113	466438	36.79%	0.521%
209	12.611	12.606	12.635	VV	25526	434540	34.28%	0.486%
210	12.674	12.635	12.696	VV	32018	975872	76.98%	1.091%
211	12.703	12.696	12.708	VV	26061	184437	14.55%	0.206%
212	12.736	12.708	12.758	VV	27722	791961	62.47%	0.885%
213	12.788	12.758	12.802	VV	26287	673930	53.16%	0.753%
214	12.811	12.802	12.817	VV	25335	231615	18.27%	0.259%
215	12.822	12.817	12.828	VV	25394	168767	13.31%	0.189%
216	12.843	12.828	12.859	VV	26527	468669	36.97%	0.524%
217	12.882	12.859	12.890	VV	26013	485465	38.29%	0.542%
218	12.908	12.890	12.919	VV	25982	433120	34.17%	0.484%
219	12.937	12.919	12.961	VV	27240	674277	53.19%	0.753%
220	12.977	12.961	12.992	VV	26626	484418	38.21%	0.541%
221	12.997	12.992	13.003	VV	25106	161154	12.71%	0.180%
222	13.009	13.003	13.019	VV	25229	243466	19.21%	0.272%
223	13.035	13.019	13.047	VV	25808	412443	32.53%	0.461%
224	13.067	13.047	13.075	VV	26676	435313	34.34%	0.486%
225	13.084	13.075	13.092	VV	26435	266715	21.04%	0.298%
226	13.111	13.092	13.134	VV	26998	654495	51.63%	0.731%
227	13.138	13.134	13.153	VV	25991	294960	23.27%	0.330%
228	13.169	13.153	13.174	VV	25714	321627	25.37%	0.359%
229	13.178	13.174	13.205	VV	25399	463570	36.57%	0.518%
230	13.215	13.205	13.230	VV	25008	378291	29.84%	0.423%
231	13.234	13.230	13.246	VV	24950	239536	18.90%	0.268%
232	13.263	13.246	13.279	VV	26203	499668	39.42%	0.558%
233	13.281	13.279	13.307	VV	26153	433551	34.20%	0.484%
234	13.310	13.307	13.315	VV	25417	126765	10.00%	0.142%
235	13.336	13.315	13.366	VV	26098	778961	61.45%	0.870%
236	13.371	13.366	13.377	VV	25542	166992	13.17%	0.187%
237	13.392	13.377	13.402	VV	25925	393265	31.02%	0.439%
238	13.406	13.402	13.422	VV	26072	295012	23.27%	0.330%
239	13.444	13.422	13.458	VV	25407	542996	42.83%	0.607%
240	13.477	13.458	13.493	VV	25346	517038	40.79%	0.578%
241	13.507	13.493	13.512	VV	24799	280467	22.12%	0.313%
242	13.519	13.512	13.525	VV	24859	191410	15.10%	0.214%
243	13.549	13.525	13.584	VV	25813	885434	69.85%	0.989%
244	13.604	13.584	13.629	VV	27088	688863	54.34%	0.770%
245	13.660	13.629	13.684	VV	26272	834680	65.84%	0.933%
246	13.693	13.684	13.699	VV	24933	232096	18.31%	0.259%

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247	13.703	13.699	13.709	VV	24757	135404	10.68%	0.151%
248	13.716	13.709	13.722	VV	25176	198661	15.15%	0.151%
249	13.727	13.722	13.736	VV	24761	204317	16.16%	0.151%
250	13.746	13.736	13.767	VV	24865	456848	36.36%	0.151%
251	13.784	13.767	13.790	VV	24682	324875	25.25%	0.151%
252	13.795	13.790	13.800	VV	24796	156045	12.12%	0.151%
253	13.808	13.800	13.823	VV	24823	335763	26.49%	0.375%
254	13.831	13.823	13.862	VV	24411	550013	43.39%	0.615%
255	13.902	13.862	13.949	VV	25980	1258770	99.30%	1.407%
256	13.953	13.949	13.957	VV	22929	116216	9.17%	0.130%
257	13.964	13.957	13.974	VV	23245	235181	18.55%	0.263%
258	13.983	13.974	13.999	VV	23519	342759	27.04%	0.383%
259	14.046	13.999	14.057	VV	24720	848489	66.93%	0.948%
260	14.073	14.057	14.089	VV	25124	468235	36.94%	0.523%
261	14.109	14.089	14.152	VV	25165	889932	70.20%	0.994%
262	14.186	14.152	14.212	VV	24438	850090	67.06%	0.950%
263	14.217	14.212	14.236	VV	22927	328571	25.92%	0.367%
264	14.244	14.236	14.257	VV	23093	285543	22.52%	0.319%
265	14.280	14.257	14.332	VV	25475	1030927	81.32%	1.152%
266	14.345	14.332	14.358	VV	21722	330653	26.08%	0.369%
267	14.374	14.358	14.390	VV	23044	429734	33.90%	0.480%
268	14.399	14.390	14.437	VV	22484	611079	48.20%	0.683%
269	14.441	14.437	14.463	VV	21937	328610	25.92%	0.367%
270	14.478	14.463	14.495	VV	21984	413395	32.61%	0.462%
271	14.497	14.495	14.503	VV	21100	99263	7.83%	0.111%
272	14.538	14.503	14.561	VV	22218	745182	58.78%	0.833%
273	14.565	14.561	14.573	VV	21761	151476	11.95%	0.169%
274	14.578	14.573	14.582	VV	21538	119102	9.40%	0.133%
275	14.620	14.582	14.634	VV	24981	700942	55.29%	0.783%
276	14.650	14.634	14.690	VV	22214	709369	55.96%	0.793%
277	14.714	14.690	14.718	VV	20200	327626	25.84%	0.366%
278	14.723	14.718	14.748	VV	20184	352153	27.78%	0.394%
279	14.760	14.748	14.775	VV	20037	325523	25.68%	0.364%
280	14.786	14.775	14.807	VV	20260	368977	29.11%	0.412%
281	14.822	14.807	14.839	VV	19835	374407	29.53%	0.418%
282	14.853	14.839	14.877	VV	19414	426185	33.62%	0.476%
283	14.883	14.877	14.898	VV	19400	241299	19.03%	0.270%
284	14.917	14.898	14.932	VV	19852	390022	30.77%	0.436%
285	14.944	14.932	14.949	VV	20449	202465	15.97%	0.226%
286	14.951	14.949	14.967	VV	20355	209281	16.51%	0.234%
287	14.978	14.967	14.985	VV	19803	209319	16.51%	0.234%
288	15.001	14.985	15.027	VV	20097	484234	38.20%	0.541%
289	15.050	15.027	15.105	VV	27416	977348	77.10%	1.092%
290	15.111	15.105	15.116	VV	18515	113999	8.99%	0.127%
291	15.130	15.116	15.138	VV	18775	251334	19.83%	0.281%
292	15.143	15.138	15.150	VV	18018	125695	9.92%	0.140%
293	15.158	15.150	15.171	VV	18188	226714	17.88%	0.253%
294	15.175	15.171	15.197	VV	18129	273580	21.58%	0.306%
295	15.224	15.197	15.248	VV	18561	555400	43.81%	0.621%
296	15.262	15.248	15.282	VV	17905	356468	28.12%	0.398%
297	15.296	15.282	15.313	VV	17867	327230	25.81%	0.366%
298	15.333	15.313	15.337	VV	18596	262528	20.71%	0.293%
299	15.357	15.337	15.389	VV	19235	568600	44.85%	0.635%

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300	15.393	15.389	15.401	VV	17719	132542	10.46%	0.148%
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301	15.424	15.401	15.447	VV	19137	498503	39.64%	0.148%
302	15.452	15.447	15.456	VV	17349	87940	6.04%	0.148%
303	15.465	15.456	15.470	VV	17530	150475	11.03%	0.148%
304	15.504	15.470	15.510	VV	17881	413633	32.01%	0.148%
305	15.526	15.510	15.530	VV	18641	223690	17.54%	0.148%
306	15.536	15.530	15.556	VV	18399	282242	22.26%	0.315%
307	15.561	15.556	15.565	VV	18055	96124	7.58%	0.107%
308	15.587	15.565	15.613	VV	19042	521363	41.13%	0.583%
309	15.630	15.613	15.660	VV	17852	477832	37.69%	0.534%
310	15.706	15.660	15.735	VV	18558	773776	61.04%	0.865%
311	15.795	15.735	15.809	VV	18395	771218	60.84%	0.862%
312	15.825	15.809	15.832	VV	18815	256533	20.24%	0.287%
313	15.846	15.832	15.855	VV	18212	251883	19.87%	0.281%
314	15.859	15.855	15.864	VV	18440	100964	7.96%	0.113%
315	15.870	15.864	15.919	VV	18256	565976	44.65%	0.632%
316	15.945	15.919	15.977	VV	17574	589833	46.53%	0.659%
317	16.001	15.977	16.020	VV	17619	441187	34.80%	0.493%
318	16.031	16.020	16.045	VV	17730	257760	20.33%	0.288%
319	16.066	16.045	16.093	VV	17901	496978	39.20%	0.555%
320	16.102	16.093	16.108	VV	17723	155654	12.28%	0.174%
321	16.130	16.108	16.147	VV	18694	424643	33.50%	0.475%
322	16.152	16.147	16.160	VV	17823	138906	10.96%	0.155%
323	16.168	16.160	16.172	VV	17677	127209	10.03%	0.142%
324	16.193	16.172	16.231	VV	18836	639810	50.47%	0.715%
325	16.250	16.231	16.285	VV	19975	606006	47.80%	0.677%
326	16.302	16.285	16.314	VV	18612	311530	24.57%	0.348%
327	16.324	16.314	16.354	VV	18657	423793	33.43%	0.474%
328	16.360	16.354	16.368	VV	17021	142376	11.23%	0.159%
329	16.387	16.368	16.406	VV	17911	389536	30.73%	0.435%
330	16.413	16.406	16.420	VV	16607	136234	10.75%	0.152%
331	16.443	16.420	16.456	VV	17521	365199	28.81%	0.408%
332	16.492	16.456	16.523	VV	20223	747887	59.00%	0.836%
333	16.541	16.523	16.547	VV	17333	242648	19.14%	0.271%
334	16.552	16.547	16.564	VV	17038	170466	13.45%	0.190%
335	16.572	16.564	16.580	VV	16900	160075	12.63%	0.179%
336	16.583	16.580	16.599	VV	16350	178340	14.07%	0.199%
337	16.607	16.599	16.612	VV	16142	127018	10.02%	0.142%
338	16.648	16.612	16.667	VV	18479	564790	44.55%	0.631%
339	16.684	16.667	16.703	VV	19867	408617	32.23%	0.457%
340	16.711	16.703	16.740	VV	17648	386005	30.45%	0.431%
341	16.767	16.740	16.786	VV	25517	583747	46.05%	0.652%
342	16.801	16.786	16.823	VV	19841	403027	31.79%	0.450%

					rters				
352	17.219	17.204	17.251	VV	14274	377554	29.78%	0.422%	
353	17.257	17.251	17.260	VV	12979	71074			
354	17.264	17.260	17.273	VV	13009	95588			
355	17.294	17.273	17.311	VV	14693	310346	24		

Sum of corrected areas: 894

Instrument :
FID_D
ClientSampleId :
WC1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/04/2025
Supervised By :Ankita Jodhani 03/05/2025

Aromatic EPH 021125.M Tue Mar 04 02:30:34 2025

Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1DL2	SDG No.:	Q1447
Lab Sample ID:	Q1447-01DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068363.D	100	02/27/25	03/05/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	35.9	J	41.1	108	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	95.5		26.0	72.1	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	691		32.5	108	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1030		86.6	144	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	992		194	216	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1447-01DL2	Acq On:	05 Mar 2025 08:13
Client Sample ID:	WC1DL2	Operator:	YP/AJ
Data file:	FC068363.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	100	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.366	702124	4.978	300	ug/ml
Aliphatic C12-C16	6.367	9.750	1810191	13.246	200	ug/ml
Aliphatic C16-C21	9.751	13.103	12615238	95.838	300	ug/ml
Aliphatic C21-C28	13.104	16.756	17579985	143.286	400	ug/ml
Aliphatic C28-C40	16.757	21.558	14145758	137.542	600	ug/ml
Aliphatic EPH	3.101	21.558	46853296	394.892		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.101	16.756	32707538	257.348	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC030425AL\
Data File : FC068363.D
Signal(s) : FID1A.ch
Acq On : 05 Mar 2025 08:13
Operator : YP/AJ
Sample : Q1447-01DL2 100X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WC1DL2

Integration File: autoint1.e
Quant Time: Mar 05 13:31:51 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
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System Monitoring Compounds

Target Compounds

(f)=RT Delta > 1/2 Window

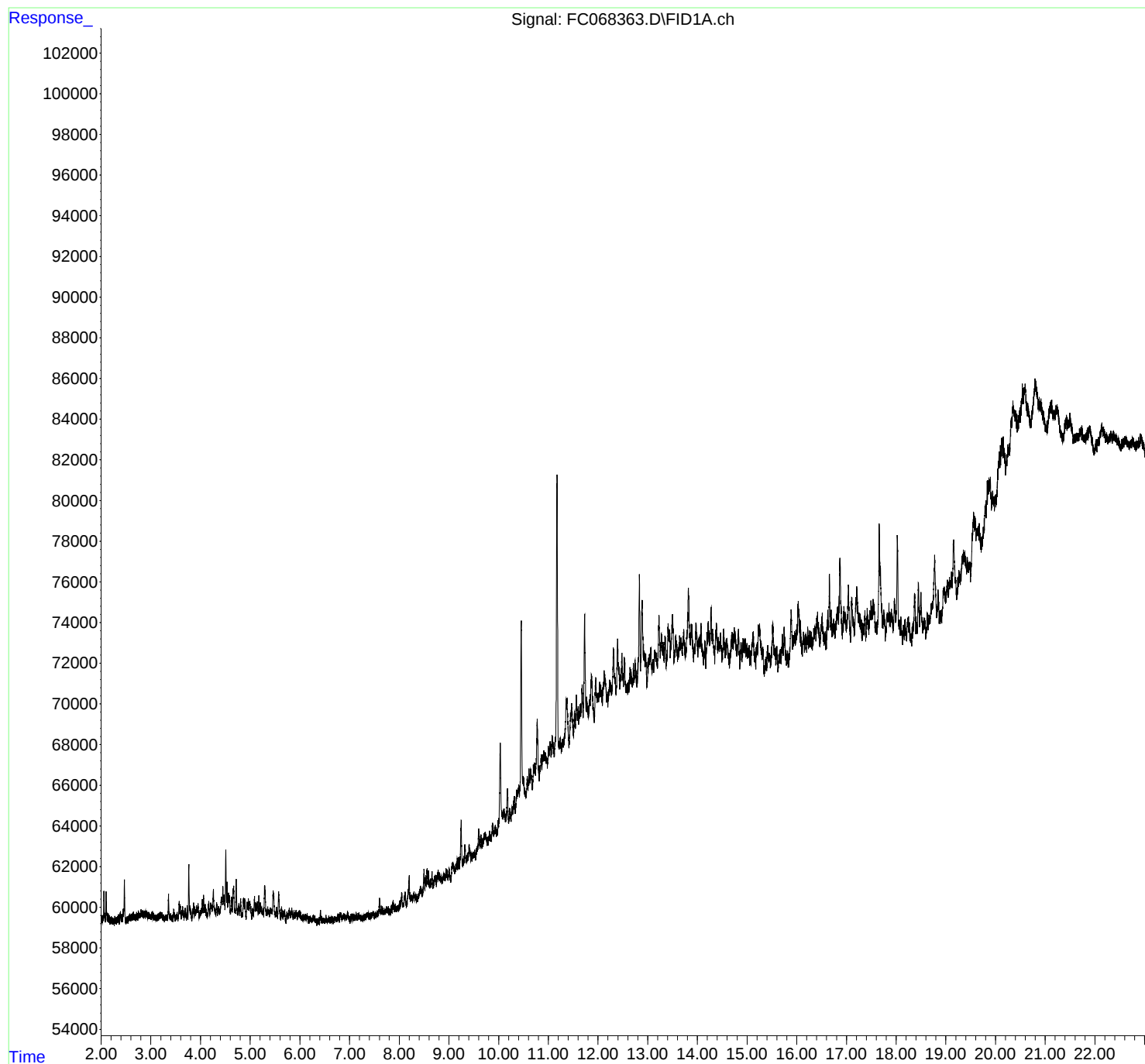
(m)=manual int.

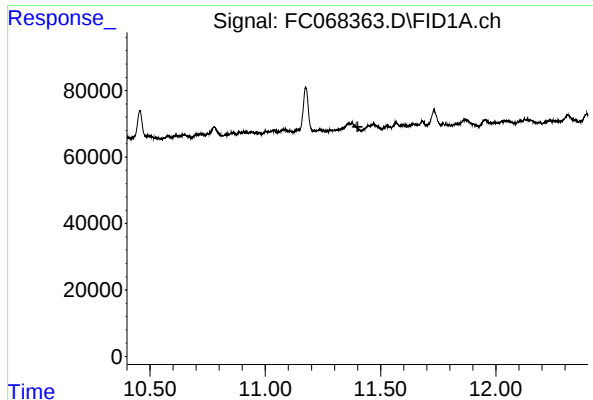
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC030425AL\
Data File : FC068363.D
Signal(s) : FID1A.ch
Acq On : 05 Mar 2025 08:13
Operator : YP/AJ
Sample : Q1447-01DL2 100X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WC1DL2

Integration File: autoint1.e
Quant Time: Mar 05 13:31:51 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

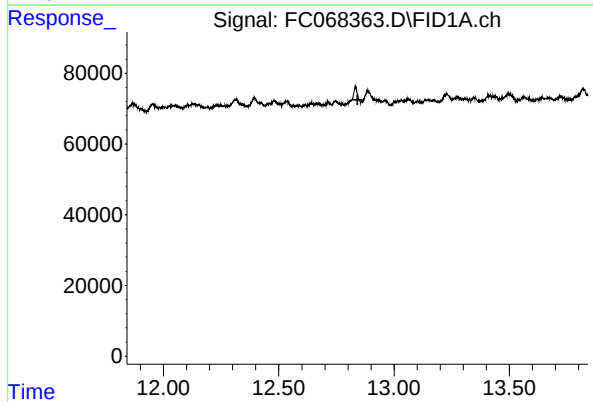




#9 ortho-Terphenyl (SURR)

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

Instrument :
FID_C
ClientSampleId :
WC1DL2



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T.: 12.842 min
Response: 0
Conc: N.D.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC030425AL\
 Data File : FC068363.D
 Signal(s) : FID1A.ch
 Acq On : 05 Mar 2025 08:13
 Sample : Q1447-01DL2 100X
 Misc :
 ALS Vial : 20 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	2.344	2.305	2.365	BV	155	2730	0.32%	0.005%
2	2.387	2.365	2.416	VV	411	5373	0.63%	0.011%
3	2.577	2.551	2.594	VV	216	3862	0.45%	0.008%
4	2.606	2.594	2.615	VV	183	1951	0.23%	0.004%
5	2.629	2.615	2.640	VV	236	3240	0.38%	0.006%
6	2.651	2.640	2.701	VV	284	7581	0.89%	0.015%
7	2.717	2.701	2.741	VV	277	5399	0.64%	0.011%
8	2.753	2.741	2.781	VV	289	6654	0.78%	0.013%
9	2.805	2.781	2.835	VV	437	11378	1.34%	0.022%
10	2.844	2.835	2.856	VV	381	4159	0.49%	0.008%
11	2.866	2.856	2.903	VV	356	9161	1.08%	0.018%
12	2.915	2.903	2.944	VV	413	7481	0.88%	0.015%
13	2.959	2.944	3.005	VV	313	9035	1.06%	0.018%
14	3.023	3.005	3.088	VV	305	11787	1.39%	0.023%
15	3.097	3.088	3.108	VV	207	2027	0.24%	0.004%
16	3.193	3.108	3.211	VV	333	12809	1.51%	0.025%
17	3.219	3.211	3.276	VV	381	7865	0.93%	0.016%
18	3.322	3.276	3.340	VV	213	6501	0.77%	0.013%
19	3.357	3.340	3.387	VV	1219	14064	1.66%	0.028%
20	3.435	3.422	3.448	VV	205	2114	0.25%	0.004%
21	3.462	3.448	3.497	VV	494	7637	0.90%	0.015%
22	3.529	3.497	3.548	VV	320	6348	0.75%	0.013%
23	3.570	3.548	3.583	VV	881	10529	1.24%	0.021%
24	3.595	3.583	3.613	VV	759	8814	1.04%	0.017%
25	3.640	3.613	3.669	VV	658	12636	1.49%	0.025%
26	3.692	3.669	3.716	VV	546	9680	1.14%	0.019%
27	3.731	3.716	3.746	VV	699	7150	0.84%	0.014%
28	3.861	3.825	3.875	VV	777	12347	1.45%	0.024%
29	3.888	3.875	3.905	VV	574	7877	0.93%	0.016%
30	3.921	3.905	3.938	VV	675	10637	1.25%	0.021%
31	3.953	3.938	3.975	VV	780	10772	1.27%	0.021%
32	4.036	3.975	4.048	VV	1018	21972	2.59%	0.043%
33	4.063	4.048	4.084	VV	1206	16846	1.98%	0.033%
34	4.096	4.084	4.135	VV	748	14632	1.72%	0.029%
35	4.168	4.135	4.188	VV	953	17424	2.05%	0.034%
36	4.208	4.188	4.231	VV	838	16512	1.94%	0.033%

					rteres			
37	4.258	4.231	4.306	VV	1471	33962	4.00%	0.067%
38	4.323	4.306	4.341	VV	807	12290	1.45%	0.024%
39	4.358	4.341	4.391	VV	713	15217	1.79%	0.030%
40	4.420	4.391	4.438	VV	1111	23463	2.76%	0.046%
41	4.451	4.438	4.466	VV	1552	20727	2.44%	0.041%
42	4.478	4.466	4.495	VV	1109	16872	1.99%	0.033%
43	4.563	4.549	4.575	VV	1270	16936	1.99%	0.033%
44	4.582	4.575	4.601	VV	1172	13186	1.55%	0.026%
45	4.627	4.601	4.641	VV	1104	18179	2.14%	0.036%
46	4.808	4.790	4.833	VV	996	15495	1.82%	0.031%
47	4.866	4.833	4.882	VV	1082	19607	2.31%	0.039%
48	4.892	4.882	4.918	VV	1008	12912	1.52%	0.025%
49	4.936	4.918	4.951	VV	812	12853	1.51%	0.025%
50	4.964	4.951	4.976	VV	994	11680	1.37%	0.023%
51	4.992	4.976	5.031	VV	833	19650	2.31%	0.039%
52	5.047	5.031	5.067	VV	470	8084	0.95%	0.016%
53	5.087	5.067	5.099	VV	1124	14498	1.71%	0.029%
54	5.108	5.099	5.125	VV	838	11393	1.34%	0.022%
55	5.144	5.125	5.158	VV	894	13769	1.62%	0.027%
56	5.174	5.158	5.189	VV	1150	14113	1.66%	0.028%
57	5.204	5.189	5.251	VV	781	21300	2.51%	0.042%
58	5.261	5.251	5.271	VV	503	5265	0.62%	0.010%
59	5.407	5.390	5.422	VV	604	9323	1.10%	0.018%
60	5.432	5.422	5.445	VV	505	6392	0.75%	0.013%
61	5.632	5.615	5.665	VV	626	10430	1.23%	0.021%
62	5.675	5.665	5.688	VV	415	4925	0.58%	0.010%
63	5.694	5.688	5.713	VV	541	4097	0.48%	0.008%
64	5.741	5.713	5.755	PV	396	5054	0.59%	0.010%
65	5.758	5.755	5.764	VV	251	1272	0.15%	0.003%
66	5.787	5.764	5.818	VV	567	10900	1.28%	0.021%
67	5.837	5.818	5.861	VV	578	10316	1.21%	0.020%
68	5.881	5.861	5.902	VV	382	6985	0.82%	0.014%
69	5.925	5.902	5.948	VV	457	8477	1.00%	0.017%
70	5.991	5.948	6.053	VV	356	16083	1.89%	0.032%
71	6.066	6.053	6.085	VV	248	3370	0.40%	0.007%
72	6.108	6.085	6.131	VV	231	5148	0.61%	0.010%
73	6.146	6.131	6.171	VV	282	4246	0.50%	0.008%
74	6.199	6.171	6.245	VV	152	3926	0.46%	0.008%
75	6.269	6.245	6.335	PV	236	4563	0.54%	0.009%
76	6.385	6.335	6.398	PV	92	384	0.05%	0.001%
77	6.414	6.398	6.441	PV	499	4824	0.57%	0.010%
78	6.447	6.441	6.462	VV	114	518	0.06%	0.001%
79	6.480	6.462	6.511	PV	76	713	0.08%	0.001%
80	6.524	6.511	6.551	PV	115	811	0.10%	0.002%
81	6.585	6.551	6.638	PV	129	3615	0.43%	0.007%
82	6.651	6.638	6.690	VV	92	2194	0.26%	0.004%
83	6.708	6.690	6.736	VV	160	2497	0.29%	0.005%
84	6.785	6.736	6.795	VV	252	5796	0.68%	0.011%
85	6.818	6.795	6.850	VV	341	7311	0.86%	0.014%
86	6.864	6.850	6.873	VV	219	2667	0.31%	0.005%
87	6.887	6.873	6.898	VV	284	3209	0.38%	0.006%
88	6.909	6.898	6.937	VV	276	4419	0.52%	0.009%
89	6.963	6.937	6.995	VV	445	8163	0.96%	0.016%

					rteres			
90	7.004	6.995	7.012	VV	110	1026	0.12%	0.002%
91	7.043	7.012	7.061	VV	225	4796	0.56%	0.009%
92	7.075	7.061	7.084	VV	198	2583	0.30%	0.005%
93	7.095	7.084	7.104	VV	214	2297	0.27%	0.005%
94	7.130	7.104	7.165	VV	359	7642	0.90%	0.015%
95	7.185	7.165	7.281	VV	289	12463	1.47%	0.025%
96	7.289	7.281	7.295	VV	166	1373	0.16%	0.003%
97	7.311	7.295	7.330	VV	226	4099	0.48%	0.008%
98	7.352	7.330	7.362	VV	354	5451	0.64%	0.011%
99	7.369	7.362	7.391	VV	335	4448	0.52%	0.009%
100	7.398	7.391	7.418	VV	268	3831	0.45%	0.008%
101	7.469	7.418	7.496	VV	382	14051	1.65%	0.028%
102	7.515	7.496	7.535	VV	306	6424	0.76%	0.013%
103	7.553	7.535	7.571	VV	391	7715	0.91%	0.015%
104	7.604	7.571	7.631	VV	1106	21648	2.55%	0.043%
105	7.654	7.631	7.668	VV	630	11705	1.38%	0.023%
106	7.678	7.668	7.697	VV	550	8097	0.95%	0.016%
107	7.707	7.697	7.720	VV	478	5999	0.71%	0.012%
108	7.744	7.720	7.798	VV	615	25028	2.95%	0.049%
109	7.809	7.798	7.827	VV	468	7855	0.92%	0.015%
110	7.843	7.827	7.856	VV	733	10097	1.19%	0.020%
111	7.877	7.856	7.905	VV	940	20112	2.37%	0.040%
112	7.923	7.905	7.955	VV	745	18416	2.17%	0.036%
113	8.050	7.955	8.075	VV	1192	59846	7.04%	0.118%
114	8.199	8.151	8.223	VV	2136	59279	6.98%	0.117%
115	8.245	8.223	8.253	VV	1193	20781	2.45%	0.041%
116	8.257	8.253	8.275	VV	1187	14471	1.70%	0.029%
117	8.326	8.311	8.348	VV	1255	25536	3.01%	0.050%
118	8.425	8.348	8.455	VV	1583	84362	9.93%	0.166%
119	8.533	8.515	8.543	VV	2205	32457	3.82%	0.064%
120	8.560	8.543	8.575	VV	2576	40269	4.74%	0.079%
121	8.588	8.575	8.614	VV	2381	47796	5.63%	0.094%
122	8.633	8.614	8.644	VV	2026	33677	3.96%	0.066%
123	8.661	8.644	8.688	VV	2325	51580	6.07%	0.102%
124	8.807	8.798	8.832	VV	2238	44734	5.27%	0.088%
125	8.944	8.923	8.978	VV	2466	75567	8.89%	0.149%
126	9.004	8.978	9.033	VV	2507	74439	8.76%	0.147%
127	9.072	9.033	9.081	VV	2798	71452	8.41%	0.141%
128	9.090	9.081	9.118	VV	2748	57400	6.76%	0.113%
129	9.167	9.118	9.179	VV	2916	99147	11.67%	0.196%
130	9.195	9.179	9.209	VV	3069	51264	6.03%	0.101%
131	9.246	9.209	9.279	VV	4932	144006	16.95%	0.284%
132	9.454	9.441	9.469	VV	3260	52200	6.14%	0.103%
133	9.498	9.469	9.509	VV	3301	78113	9.19%	0.154%
134	9.601	9.537	9.626	VV	4447	199785	23.52%	0.394%
135	9.646	9.626	9.671	VV	4107	104013	12.24%	0.205%
136	9.679	9.671	9.686	VV	3943	33740	3.97%	0.067%
137	9.817	9.784	9.845	VV	4348	147167	17.32%	0.290%
138	9.853	9.845	9.857	VV	4130	30703	3.61%	0.061%
139	9.879	9.857	9.904	VV	4666	126160	14.85%	0.249%
140	9.938	9.904	9.971	VV	4577	177220	20.86%	0.350%
141	10.035	9.971	10.083	VH	8696	385354	45.36%	0.760%

					rteres			
142	10.093	10.083	10.097	HH	5369	43637	5.14%	0.086%
143	10.108	10.097	10.138	HH	5482	128710	15.15%	0.254%
144	10.177	10.138	10.201	HH	6367	207382	24.41%	0.409%
145	10.223	10.201	10.251	HH	5461	156026	18.36%	0.308%
146	10.274	10.251	10.287	HH	5533	114505	13.48%	0.226%
147	10.313	10.287	10.338	HH	6016	172959	20.36%	0.341%
148	10.404	10.338	10.418	HH	6623	296150	34.86%	0.584%
149	10.456	10.418	10.485	HH	14669	372030	43.79%	0.734%
150	10.495	10.485	10.549	HH	7087	254691	29.98%	0.502%
151	10.577	10.549	10.592	HH	7007	170184	20.03%	0.336%
152	10.612	10.592	10.628	HH	7302	150150	17.67%	0.296%
153	10.650	10.628	10.680	HH	7402	218290	25.69%	0.431%
154	10.728	10.680	10.739	HH	7643	262750	30.93%	0.518%
155	10.860	10.818	10.873	HH	8045	250772	29.52%	0.495%
156	10.910	10.873	10.926	HH	8327	255354	30.06%	0.504%
157	11.002	10.985	11.017	HH	8432	157907	18.59%	0.311%
158	11.037	11.017	11.055	HH	8697	192354	22.64%	0.379%
159	11.079	11.055	11.117	HH	9063	324453	38.19%	0.640%
160	11.240	11.223	11.262	HH	8947	206127	24.26%	0.407%
161	11.375	11.298	11.415	HH	10873	679894	80.03%	1.341%
162	11.527	11.506	11.545	HH	10172	223849	26.35%	0.442%
163	11.567	11.545	11.585	HH	10973	246122	28.97%	0.485%
164	11.600	11.585	11.611	HH	10397	162569	19.14%	0.321%
165	11.648	11.611	11.668	HH	10529	351130	41.33%	0.693%
166	11.732	11.700	11.761	HH	15017	441836	52.01%	0.872%
167	11.771	11.761	11.802	HH	10945	255603	30.09%	0.504%
168	12.039	12.013	12.087	HH	11577	495012	58.27%	0.976%
169	12.185	12.174	12.201	HH	11072	179512	21.13%	0.354%
170	12.233	12.201	12.277	HH	11747	521315	61.36%	1.028%
171	12.481	12.438	12.515	HH	13003	558480	65.74%	1.102%
172	12.535	12.515	12.581	HH	12683	477077	56.15%	0.941%
173	12.615	12.581	12.623	HH	11765	289730	34.10%	0.571%
174	12.666	12.654	12.694	HH	12228	282191	33.22%	0.557%
175	12.714	12.694	12.729	HH	12560	256853	30.23%	0.507%
176	12.833	12.785	12.855	HH	16927	575199	67.70%	1.135%
177	12.886	12.855	12.951	HH	15630	788474	92.81%	1.555%
178	12.960	12.951	12.984	HH	13036	242989	28.60%	0.479%
179	13.062	12.984	13.087	HV	13132	786368	92.56%	1.551%
180	13.136	13.116	13.161	VV	13019	345564	40.67%	0.682%
181	13.174	13.161	13.197	VV	12873	268342	31.59%	0.529%
182	13.307	13.298	13.322	VV	13178	191057	22.49%	0.377%
183	13.346	13.322	13.370	VV	13397	368942	43.43%	0.728%
184	13.440	13.426	13.455	VV	13507	232140	27.32%	0.458%
185	13.496	13.455	13.531	VV	14282	612614	72.11%	1.208%
186	13.566	13.531	13.611	VV	13168	605855	71.31%	1.195%
187	13.643	13.611	13.651	VV	13075	303431	35.72%	0.599%
188	13.670	13.651	13.698	VV	12934	354362	41.71%	0.699%
189	13.724	13.698	13.755	VV	13349	433728	51.05%	0.856%
190	13.820	13.755	13.861	VV	15140	849586	100.00%	1.676%
191	13.873	13.861	13.922	VV	13325	470519	55.38%	0.928%
192	13.973	13.922	14.011	VV	13289	666880	78.49%	1.315%
193	14.032	14.011	14.052	VV	12622	309014	36.37%	0.610%
194	14.074	14.052	14.123	VV	13238	520569	61.27%	1.027%

					rteres			
195	14.147	14.123	14.169	VV	12242	323719	38.10%	0.639%
196	14.192	14.169	14.200	VV	12579	222854	26.23%	0.440%
197	14.219	14.200	14.253	VV	13081	403200	47.46%	0.795%
198	14.277	14.253	14.301	VV	13740	370593	43.62%	0.731%
199	14.309	14.301	14.348	VV	12570	336877	39.65%	0.664%
200	14.382	14.348	14.407	VV	12712	434506	51.14%	0.857%
201	14.419	14.407	14.445	VV	12073	265180	31.21%	0.523%
202	14.466	14.445	14.491	VV	12204	328141	38.62%	0.647%
203	14.528	14.491	14.571	VV	12413	556116	65.46%	1.097%
204	14.594	14.571	14.645	VV	11844	507582	59.74%	1.001%
205	14.700	14.645	14.723	VV	12015	537999	63.32%	1.061%
206	14.741	14.723	14.791	VV	12187	472227	55.58%	0.931%
207	14.825	14.791	14.864	VV	12083	491440	57.84%	0.969%
208	14.880	14.864	14.897	VV	11342	217975	25.66%	0.430%
209	14.930	14.897	14.945	VV	11311	320364	37.71%	0.632%
210	14.952	14.945	15.032	VV	11413	575821	67.78%	1.136%
211	15.039	15.032	15.081	VV	11018	313230	36.87%	0.618%
212	15.126	15.081	15.173	VV	11515	597524	70.33%	1.179%
213	15.228	15.173	15.243	VV	11725	459306	54.06%	0.906%
214	15.252	15.243	15.302	VV	11906	388151	45.69%	0.766%
215	15.314	15.302	15.346	VV	10556	269024	31.67%	0.531%
216	15.379	15.346	15.385	VV	9920	224720	26.45%	0.443%
217	15.519	15.468	15.558	VV	11511	565498	66.56%	1.115%
218	15.710	15.686	15.732	VV	10634	287255	33.81%	0.567%
219	15.747	15.732	15.805	VV	10813	434825	51.18%	0.858%
220	15.953	15.932	15.970	VV	10443	235905	27.77%	0.465%
221	16.291	16.286	16.315	VV	10138	167807	19.75%	0.331%
222	16.622	16.594	16.634	VV	10627	244132	28.74%	0.482%
223	16.658	16.634	16.681	VV	12481	307835	36.23%	0.607%
224	16.693	16.681	16.711	VV	10684	187576	22.08%	0.370%
225	16.869	16.841	16.918	VV	12962	514479	60.56%	1.015%
226	16.950	16.918	16.963	VV	10594	274327	32.29%	0.541%
227	16.971	16.963	16.998	VV	10344	206047	24.25%	0.406%
228	17.038	16.998	17.080	VV	11630	500449	58.91%	0.987%
229	17.106	17.080	17.163	VV	10852	494768	58.24%	0.976%
230	17.208	17.163	17.261	VV	11123	604652	71.17%	1.193%
231	17.270	17.261	17.292	VV	9804	176834	20.81%	0.349%
232	17.300	17.292	17.316	VV	9597	133519	15.72%	0.263%
233	17.329	17.316	17.355	VV	9313	210137	24.73%	0.414%
234	17.468	17.450	17.481	VV	9781	178441	21.00%	0.352%
235	17.495	17.481	17.526	VV	10066	265427	31.24%	0.524%
236	17.541	17.526	17.615	VV	10251	498514	58.68%	0.983%
237	17.659	17.615	17.734	VV	13860	751984	88.51%	1.483%
238	17.751	17.734	17.785	VV	9435	276804	32.58%	0.546%
239	17.822	17.785	17.832	VV	9251	250988	29.54%	0.495%
240	17.839	17.832	17.844	VV	9216	67604	7.96%	0.133%
241	17.855	17.844	17.881	VV	9614	203392	23.94%	0.401%
242	17.905	17.881	17.946	VV	9303	348043	40.97%	0.686%
243	17.968	17.946	17.988	VV	9900	231657	27.27%	0.457%
244	18.023	17.988	18.054	VV	12774	400773	47.17%	0.791%
245	18.063	18.054	18.075	VV	8716	103948	12.24%	0.205%
246	18.095	18.075	18.131	VV	8669	276275	32.52%	0.545%

					rteres			
247	18.177	18.131	18.205	VV	8523	357202	42.04%	0.705%
248	18.247	18.205	18.259	VV	8567	266533	31.37%	0.526%
249	18.265	18.259	18.310	VV	8267	240223	28.28%	0.474%
250	18.372	18.310	18.421	VV	9616	551652	64.93%	1.088%
251	18.448	18.421	18.469	VV	9974	259063	30.49%	0.511%
252	18.498	18.469	18.534	VV	9489	331890	39.06%	0.655%
253	18.561	18.534	18.595	VV	8215	286325	33.70%	0.565%
254	18.627	18.595	18.642	VV	8361	223533	26.31%	0.441%
255	18.673	18.642	18.685	VV	8180	204501	24.07%	0.403%
256	18.774	18.685	18.825	VV	10992	760017	89.46%	1.499%
257	18.844	18.825	18.918	VV	9158	457280	53.82%	0.902%
258	19.111	19.098	19.122	VV	9685	132654	15.61%	0.262%
259	19.158	19.122	19.225	VV	11349	602986	70.97%	1.189%
260	19.560	19.498	19.588	VV	12103	600253	70.65%	1.184%
261	19.896	19.885	19.925	VV	13639	307226	36.16%	0.606%
262	20.221	20.203	20.230	VV	14228	226951	26.71%	0.448%
263	20.404	20.391	20.418	VV	16147	255516	30.08%	0.504%
264	20.869	20.861	20.904	VV	16106	408064	48.03%	0.805%
265	21.032	21.021	21.041	VV	14872	177712	20.92%	0.351%
266	21.366	21.353	21.373	VV	13893	168661	19.85%	0.333%
267	21.445	21.438	21.480	VV	14577	358454	42.19%	0.707%
268	21.609	21.601	21.617	VV	13577	126488	14.89%	0.249%
269	21.630	21.617	21.665	VV	13645	387124	45.57%	0.764%
270	21.843	21.838	21.868	VV	13464	240496	28.31%	0.474%
271	21.895	21.868	21.941	VV	13634	583183	68.64%	1.150%
272	21.950	21.941	21.991	VV	13017	383360	45.12%	0.756%
273	22.070	21.991	22.087	VV	12823	727980	85.69%	1.436%
274	22.139	22.087	22.158	VV	13432	556526	65.51%	1.098%
275	22.172	22.158	22.215	VV	13230	443794	52.24%	0.875%
276	22.238	22.215	22.251	VBA	12902	304271	35.81%	0.600%
				Sum of corrected areas:				50698341

Aliphatic EPH 021125.M Wed Mar 05 14:11:56 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	

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	10221769.000	80.000	13.108	16.761	127772.113	122691.322	-4.141
Aliphatic C28-C40	13145019.000	120.000	16.762	21.565	109541.825	102846.462	-6.510
Aliphatic EPH	45916095.000	360.000	3.104	21.565	127544.708	122175.127	-4.395

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	10221769.000	80.000	ug/ml
Aliphatic C28-C40	16.762	21.565	13145019.000	120.000	ug/ml
Aliphatic EPH	3.104	21.565	45916095.000	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

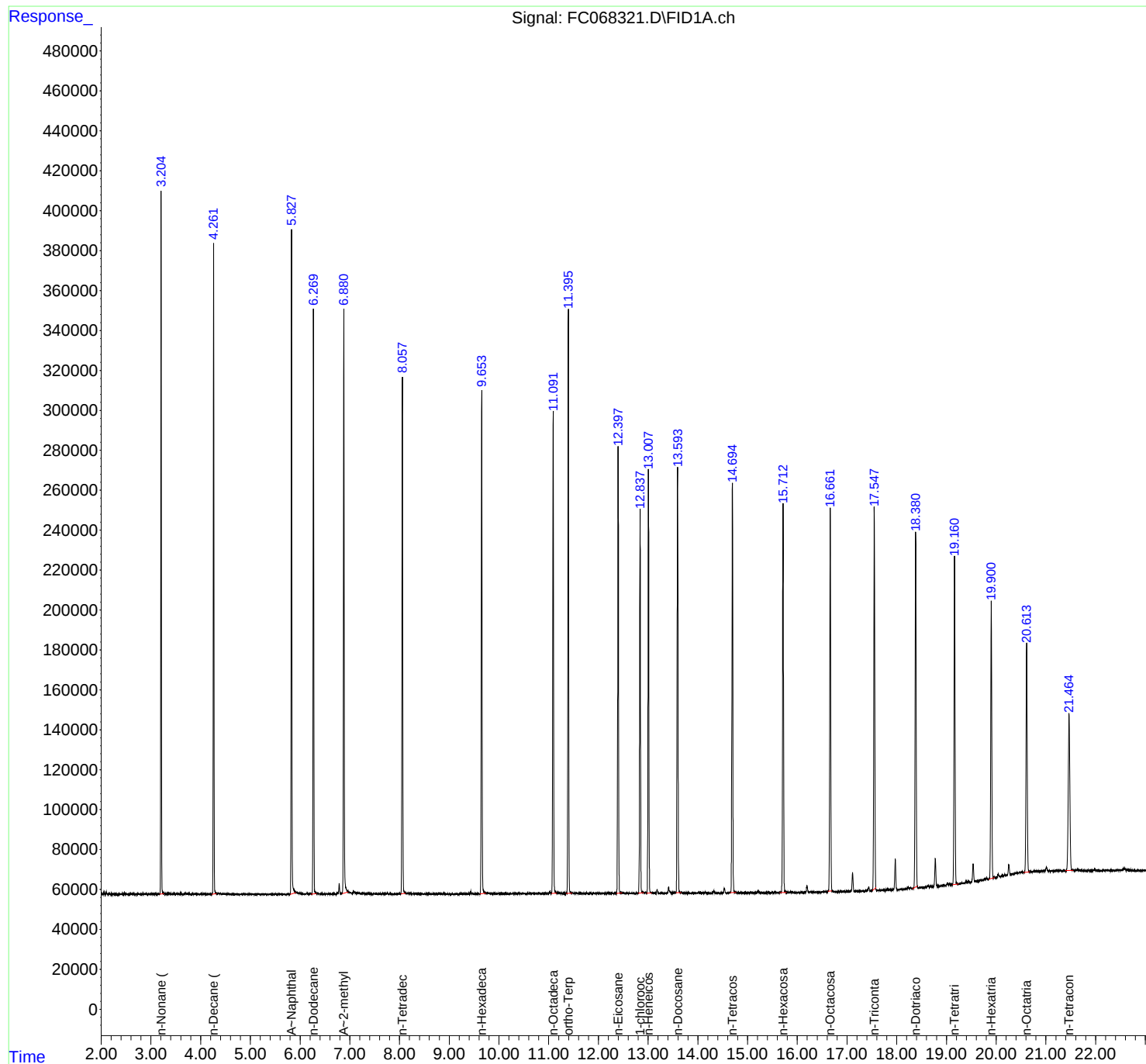
(m)=manual int.

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	9935233.000	80.000	13.108	16.761	124190.413	122691.322	-1.222
Aliphatic C28-C40	12971411.000	120.000	16.762	21.565	108095.092	102846.462	-5.103
Aliphatic EPH	44949920.000	360.000	3.104	21.565	124860.889	122175.127	-2.198

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	9935233.000	80.000	ug/ml
Aliphatic C28-C40	16.762	21.565	12971411.000	120.000	ug/ml
Aliphatic EPH	3.104	21.565	44949920.000	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

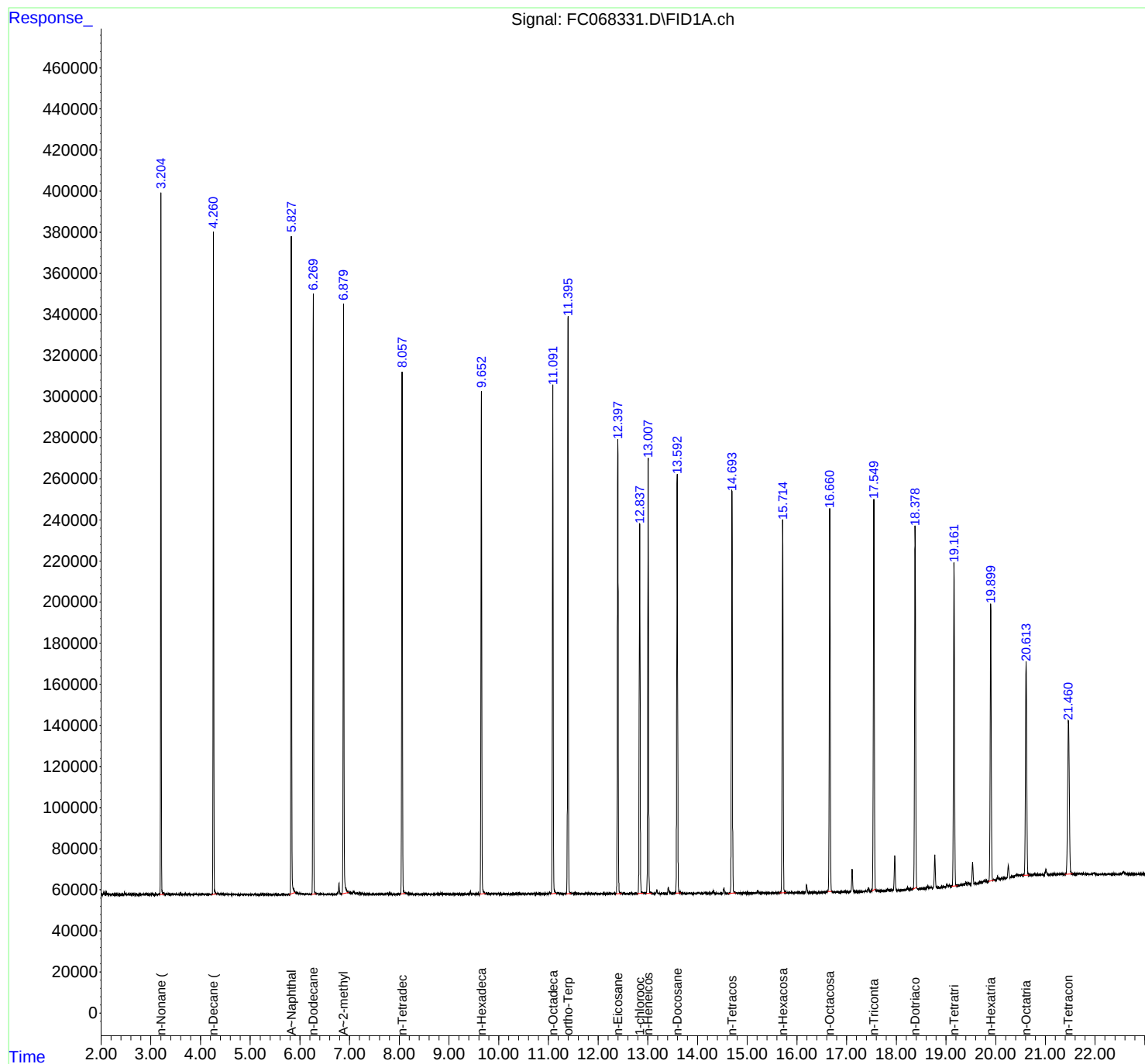
(m)=manual int.

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	9904656.000	80.000	13.108	16.761	123808.200	122691.322	-0.910
Aliphatic C28-C40	13174250.000	120.000	16.762	21.565	109785.417	102846.462	-6.747
Aliphatic EPH	44985817.000	360.000	3.104	21.565	124960.603	122175.127	-2.280

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	9904656.000	80.000	ug/ml
Aliphatic C28-C40	16.762	21.565	13174250.000	120.000	ug/ml
Aliphatic EPH	3.104	21.565	44985817.000	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

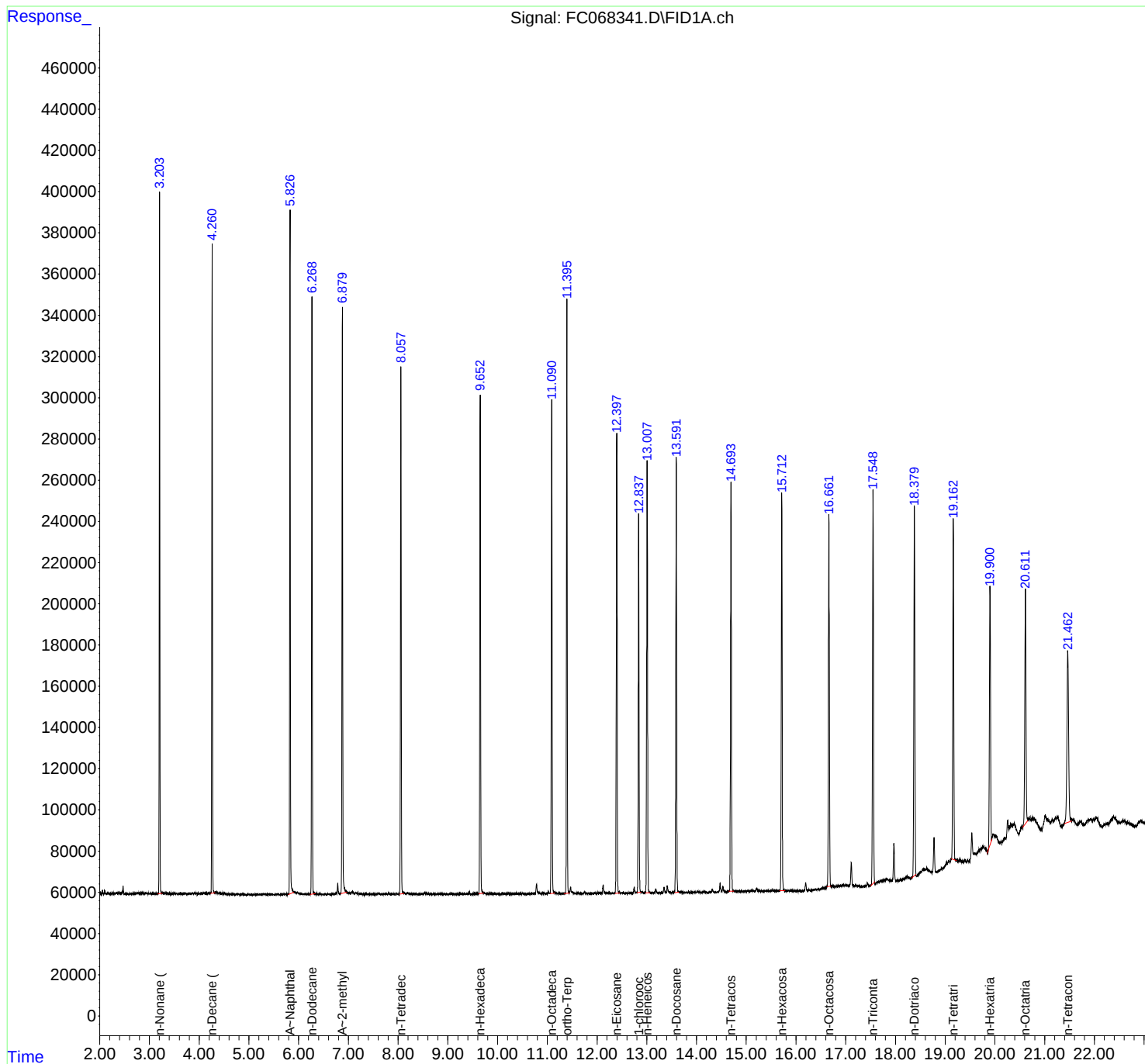
(m)=manual int.

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 : FC030425AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068360.D

Aliphatic C9-C12	8895633.000	60.000	3.101	6.366	148260.550	141035.502	-5.123
Aliphatic C12-C16	5648971.000	40.000	6.367	9.750	141224.275	136654.515	-3.344
Aliphatic C16-C21	8146363.000	60.000	9.751	13.103	135772.717	131630.895	-3.147
Aliphatic C21-C28	10085167.000	80.000	13.104	16.756	126064.588	122691.322	-2.749
Aliphatic C28-C40	12598792.000	120.000	16.757	21.558	104989.933	102846.462	-2.084
Aliphatic EPH	45374926.000	360.000	3.101	21.558	126041.461	122175.127	-3.165

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	05 Mar 2025 00:39
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068360.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.101	6.366	8895633.000	60.000	ug/ml
Aliphatic C12-C16	6.367	9.750	5648971.000	40.000	ug/ml
Aliphatic C16-C21	9.751	13.103	8146363.000	60.000	ug/ml
Aliphatic C21-C28	13.104	16.756	10085167.000	80.000	ug/ml
Aliphatic C28-C40	16.757	21.558	12598792.000	120.000	ug/ml
Aliphatic EPH	3.101	21.558	45374926.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC030425AL\
 Data File : FC068360.D
 Signal(s) : FID1A.ch
 Acq On : 05 Mar 2025 00:39
 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 04:35:35 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)	11.391	3128561	20.389 ug/ml
Spiked Amount 50.000		Recovery =	40.78%
12) S 1-chlorooctadecane (S...	12.832	2284737	20.313 ug/ml
Spiked Amount 50.000		Recovery =	40.63%
Target Compounds			
1) T n-Nonane (C9)	3.201	2966204	21.085 ug/ml
2) T n-Decane (C10)	4.258	2986910	21.083 ug/ml
3) T A~Naphthalene (C11.7)	5.824	3212651	20.993 ug/ml
4) T n-Dodecane (C12)	6.265	2942519	20.905 ug/ml
5) T A~2-methylnaphthalene...	6.876	3008596	20.774 ug/ml
6) T n-Tetradecane (C14)	8.054	2805181	20.574 ug/ml
7) T n-Hexadecane (C16)	9.649	2843790	20.763 ug/ml
8) T n-Octadecane (C18)	11.086	2833509	20.719 ug/ml
10) T n-Eicosane (C20)	12.392	2685488	20.612 ug/ml
11) T n-Heneicosane (C21)	13.002	2627366	20.551 ug/ml
13) T n-Docosane (C22)	13.587	2591946	20.566 ug/ml
14) T n-Tetracosane (C24)	14.688	2556131	20.551 ug/ml
15) T n-Hexacosane (C26)	15.706	2506672	20.615 ug/ml
16) T n-Octacosane (C28)	16.655	2430418	20.464 ug/ml
17) T n-Tricontane (C30)	17.541	2462926	20.462 ug/ml
18) T n-Dotriacontane (C32)	18.373	2407784	20.745 ug/ml
19) T n-Tetratriacontane (C34)	19.154	2153790	19.932 ug/ml
20) T n-Hexatriacontane (C36)	19.894	1929438	20.063 ug/ml
21) T n-Octatriacontane (C38)	20.605	1852757	20.610 ug/ml
22) T n-Tetracontane (C40)	21.453	1792097	20.713 ug/ml

(f)=RT Delta > 1/2 Window

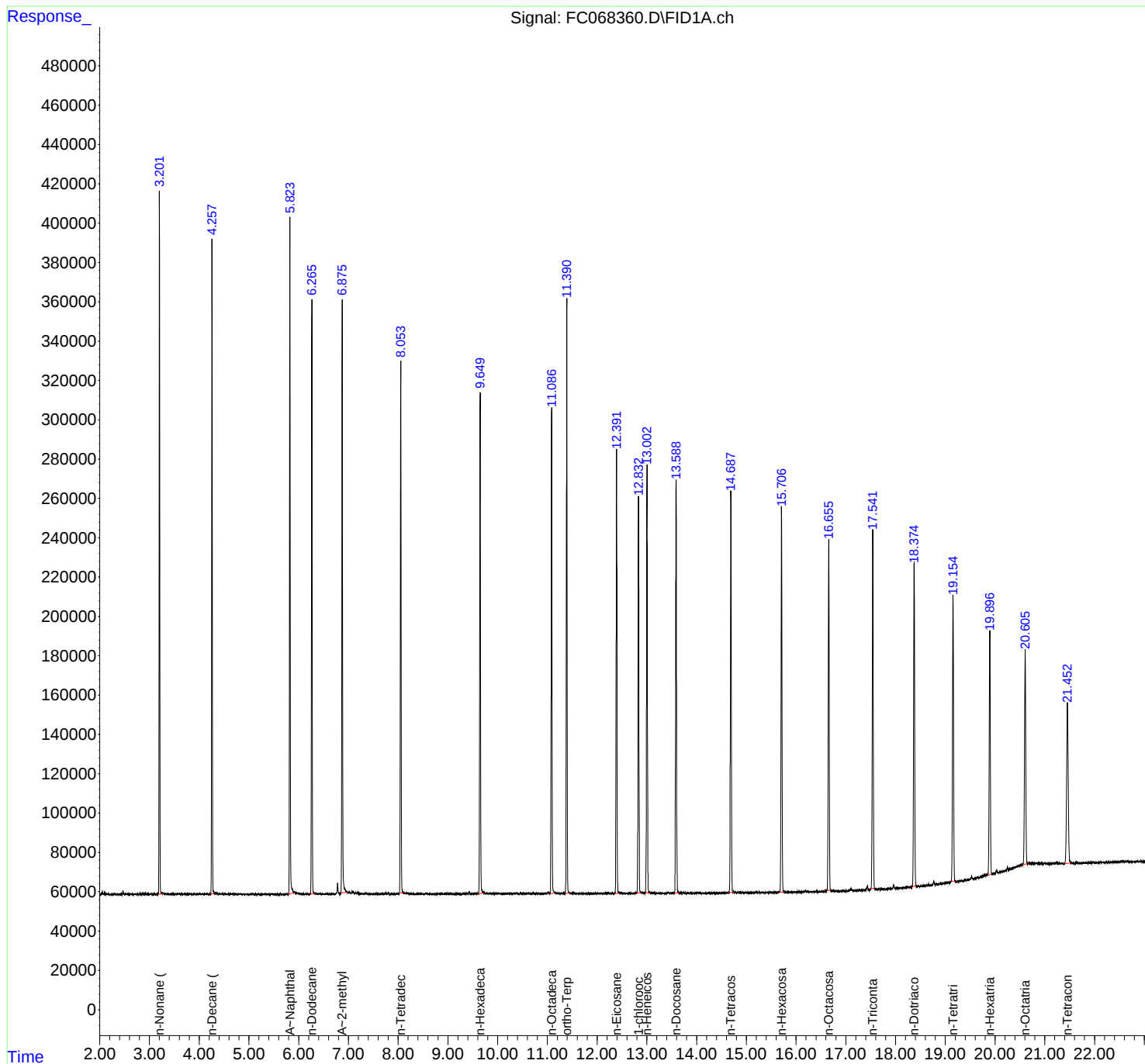
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC030425AL\
Data File : FC068360.D
Signal(s) : FID1A.ch
Acq On : 05 Mar 2025 00:39
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 04:35:35 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\FC030425AL\
 Data File : FC068360.D
 Signal(s) : FID1A.ch
 Acq On : 05 Mar 2025 00:39
 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	3.201	3.168	3.261	BB	355816	2966204	92.33%	5.203%
2	4.258	4.225	4.318	BB	332636	2986910	92.97%	5.239%
3	5.824	5.791	5.915	BB	343022	3212651	100.00%	5.635%
4	6.265	6.221	6.328	BB	300107	2942519	91.59%	5.161%
5	6.876	6.848	6.975	BB	298292	3008596	93.65%	5.277%
6	8.054	8.028	8.115	BB	268793	2805181	87.32%	4.921%
7	9.649	9.608	9.725	BB	251129	2843790	88.52%	4.988%
8	11.086	11.051	11.158	BB	244149	2833509	88.20%	4.970%
9	11.391	11.355	11.455	BB	301382	3128561	97.38%	5.488%
10	12.392	12.351	12.455	BB	224811	2685488	83.59%	4.711%
11	12.832	12.785	12.888	BB	201077	2284737	71.12%	4.008%
12	13.002	12.965	13.065	BB	216315	2627366	81.78%	4.609%
13	13.587	13.548	13.651	BB	209485	2591946	80.68%	4.547%
14	14.688	14.648	14.751	BB	204504	2556131	79.56%	4.484%
15	15.706	15.651	15.765	BB	192306	2506672	78.03%	4.397%
16	16.655	16.621	16.700	BBA	178357	2430418	75.65%	4.263%
17	17.541	17.508	17.576	BBA	183044	2462926	76.66%	4.320%
18	18.373	18.321	18.410	BBA	164397	2407784	74.95%	4.223%
19	19.154	19.121	19.211	BB	144939	2153790	67.04%	3.778%
20	19.894	19.851	19.938	BB	123472	1929438	60.06%	3.384%
21	20.605	20.551	20.665	BB	108663	1852757	57.67%	3.250%
22	21.453	21.391	21.538	BB	78817	1792097	55.78%	3.144%
Sum of corrected areas:							57009468	

Aliphatic EPH 021125.M Wed Mar 05 04:53:21 2025

Continuing Calibration Report for SequenceID : FC030425AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FC068365.D

Aliphatic C9-C12	9010317.000	60.000	3.101	6.366	150171.950	141035.502	-6.478
Aliphatic C12-C16	5674412.000	40.000	6.367	9.750	141860.300	136654.515	-3.809
Aliphatic C16-C21	8142808.000	60.000	9.751	13.103	135713.467	131630.895	-3.102
Aliphatic C21-C28	10124899.000	80.000	13.104	16.756	126561.238	122691.322	-3.154
Aliphatic C28-C40	12735293.000	120.000	16.757	21.558	106127.442	102846.462	-3.190
Aliphatic EPH	45687729.000	360.000	3.101	21.558	126910.358	122175.127	-3.876

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	05 Mar 2025 09:26
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068365.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.101	6.366	9010317.000	60.000	ug/ml
Aliphatic C12-C16	6.367	9.750	5674412.000	40.000	ug/ml
Aliphatic C16-C21	9.751	13.103	8142808.000	60.000	ug/ml
Aliphatic C21-C28	13.104	16.756	10124899.000	80.000	ug/ml
Aliphatic C28-C40	16.757	21.558	12735293.000	120.000	ug/ml
Aliphatic EPH	3.101	21.558	45687729.000	360.000	ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC030425AL\
 Data File : FC068365.D
 Signal(s) : FID1A.ch
 Acq On : 05 Mar 2025 09:26
 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	3.202	3.154	3.264	BB	357635	3011114	92.57%	5.243%
2	4.258	4.218	4.321	BB	339509	3028068	93.09%	5.272%
3	5.824	5.771	5.914	BB	342199	3252793	100.00%	5.663%
4	6.265	6.231	6.328	BB	300224	2971135	91.34%	5.173%
5	6.875	6.848	6.974	BB	304491	3052793	93.85%	5.315%
6	8.053	8.028	8.121	BB	268395	2824239	86.83%	4.917%
7	9.649	9.611	9.724	BB	256590	2850173	87.62%	4.962%
8	11.087	11.051	11.158	BB	244304	2831808	87.06%	4.930%
9	11.391	11.351	11.448	BB	288500	3154229	96.97%	5.492%
10	12.392	12.351	12.451	BB	213684	2684112	82.52%	4.673%
11	12.833	12.784	12.898	BB	189522	2287525	70.32%	3.983%
12	13.004	12.961	13.071	BB	224965	2626888	80.76%	4.574%
13	13.588	13.551	13.654	BB	205764	2593344	79.73%	4.515%
14	14.689	14.648	14.754	BB	197206	2559949	78.70%	4.457%
15	15.707	15.644	15.774	BB	190811	2520863	77.50%	4.389%
16	16.655	16.621	16.699	BBA	187515	2450743	75.34%	4.267%
17	17.542	17.508	17.576	BBA	173779	2489098	76.52%	4.334%
18	18.372	18.324	18.409	BBA	166279	2429677	74.70%	4.230%
19	19.155	19.121	19.221	BB	151319	2174295	66.84%	3.786%
20	19.894	19.851	19.933	BB	133735	1936190	59.52%	3.371%
21	20.605	20.551	20.654	BB	111126	1871372	57.53%	3.258%
22	21.455	21.391	21.541	BB	82038	1834661	56.40%	3.194%
Sum of corrected areas:							57435067	

Aliphatic EPH 021125.M Wed Mar 05 13:35:42 2025

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

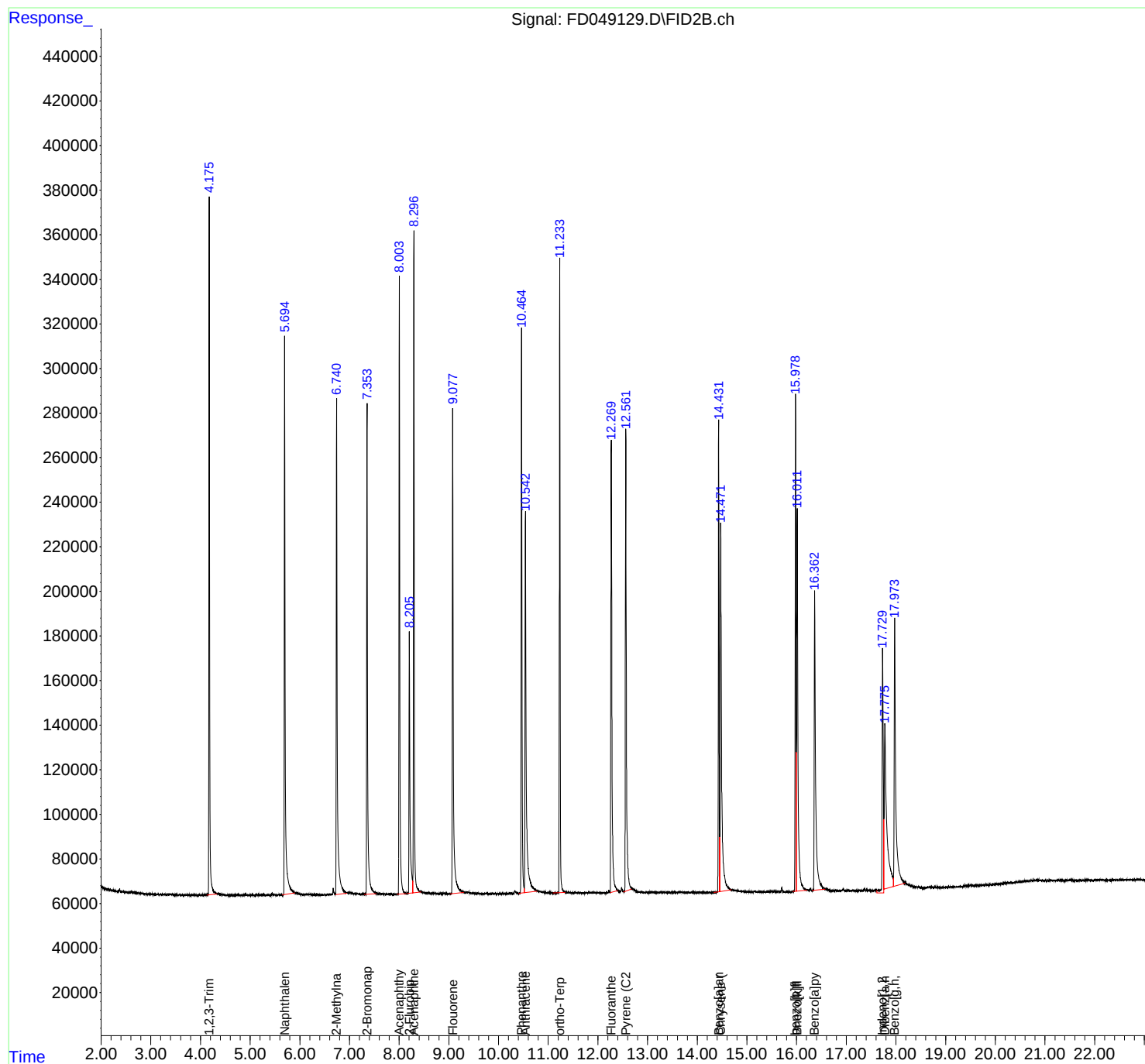
Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD

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

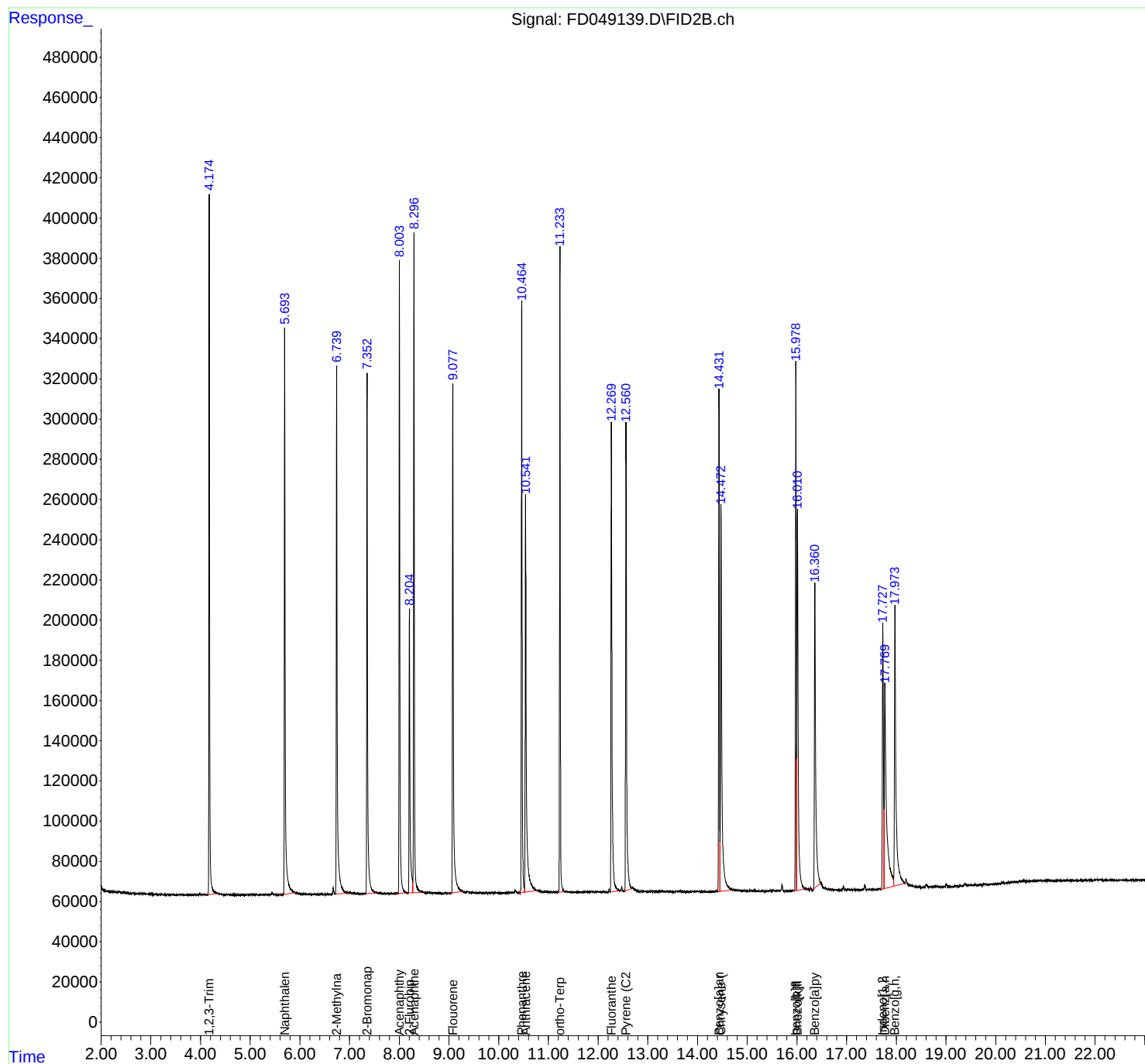
(m)=manual int.

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

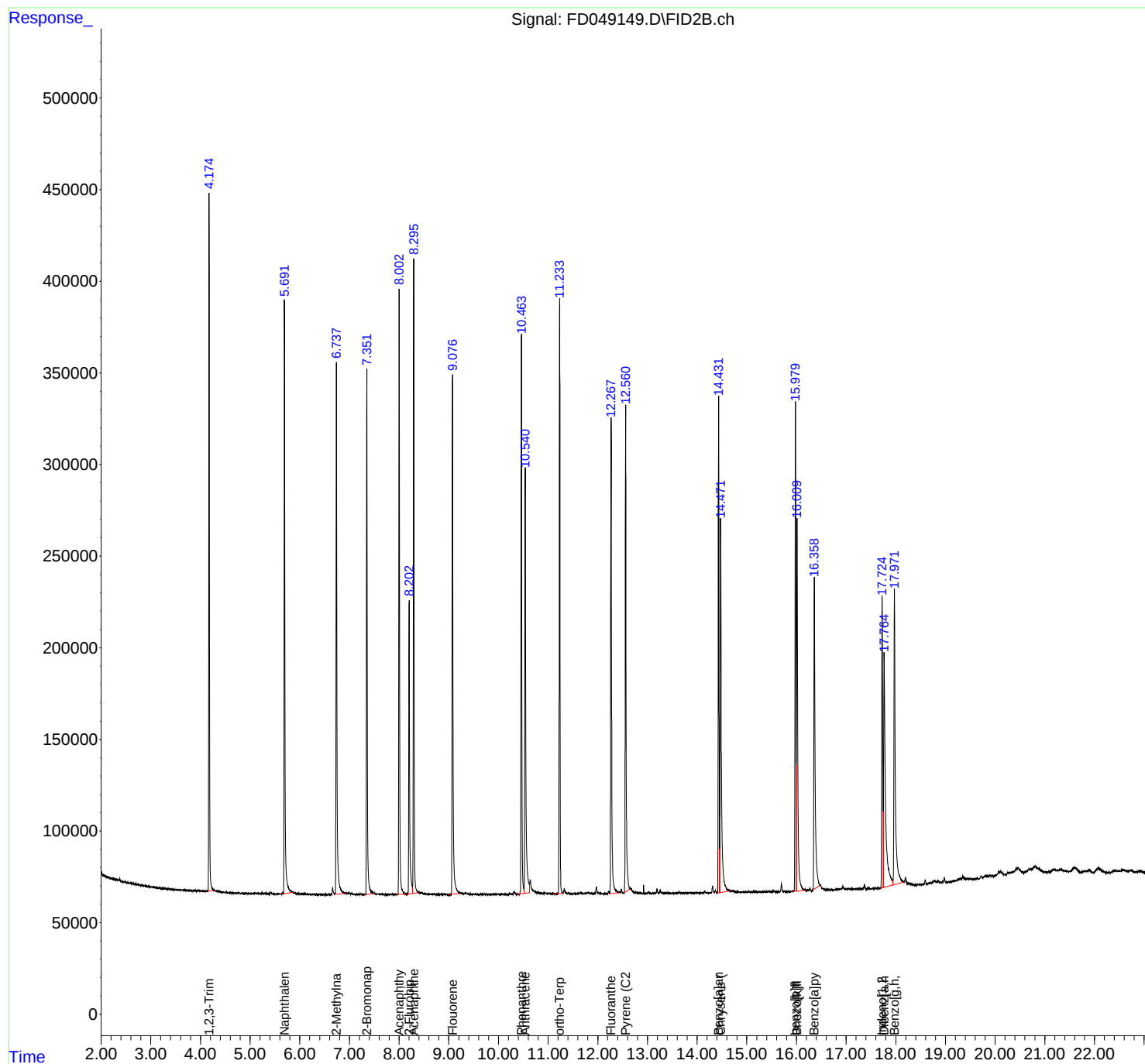
(m)=manual int.

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

Continuing Calibration Report for SequenceID : FD030325AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049152.D

Aromatic C10-C12	7166334.000	40.000	4.074	5.792	179158.350	159020.606	-12.664
Aromatic C12-C16	10830604.000	60.000	5.793	8.394	180510.067	160935.866	-12.163
Aromatic C16-C21	13356833.000	80.000	8.395	12.657	166960.413	153359.309	-8.869
Aromatic C21-C36	26081586.000	180.000	12.658	18.067	144897.700	143114.753	-1.246
Aromatic EPH	57435357.000	360.000	4.074	18.067	159542.658	150128.823	-6.271

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	03 Mar 2025 09:50
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049152.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.074	5.792	7166334.000	40.000	ug/ml
Aromatic C12-C16	5.793	8.394	10830604.000	60.000	ug/ml
Aromatic C16-C21	8.395	12.657	13356833.000	80.000	ug/ml
Aromatic C21-C36	12.658	18.067	26081586.000	180.000	ug/ml
Aromatic EPH	4.074	18.067	57435357.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD030325AR\
 Data File : FD049152.D
 Signal(s) : FID2B.ch
 Acq On : 03 Mar 2025 09:50
 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 04 01:36:35 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...	7.350	3200485	22.364 ug/ml
Spiked Amount 50.000		Recovery =	44.73%
6) S 2-Fluorobiphenyl (SURR)	8.202	1929084	21.943 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.89%
11) S ortho-Terphenyl (SURR)	11.231	3666945	22.667 ug/ml
Spiked Amount 50.000		Recovery =	45.33%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.174	3598747	22.598 ug/ml
2) T Naphthalene (C11.7)	5.692	3567587	22.468 ug/ml
3) T 2-Methylnaphthalene (...)	6.738	3540836	22.742 ug/ml
5) T Acenaphthylene (C15.06)	8.001	3611215	22.208 ug/ml
7) T Acenaphthene (C15.5)	8.294	3678553	22.361 ug/ml
8) T Fluorene (C16.55)	9.075	3447664	21.869 ug/ml
9) T Phenanthrene (C19.36)	10.461	3362427	22.312 ug/ml
10) T Anthracene (C19.43)	10.539	3055470	20.231 ug/ml
12) T Fluoranthene (C21.85)	12.265	3450909	22.363 ug/ml
13) T Pyrene (C20.8)	12.557	3491272	22.662 ug/ml
14) T Benzo[a]anthracene (C...	14.427	2774723	21.118 ug/ml
15) T Chrysene (C27.41)	14.468	3521433	21.779 ug/ml
16) T benzo[b]fluoranthene ...	15.974	2988899	21.723 ug/ml
17) T Bnezo[k]fluoranthene ...	16.005	3432388	21.732 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.356	2706354	19.938 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.724	1770166	16.199 ug/ml
20) T Dibenz[a,h]anthracene...	17.769	2570954	16.572 ug/ml
21) T Benzo[g,h,i]perylene ...	17.967	2865760	19.771 ug/ml

(f)=RT Delta > 1/2 Window

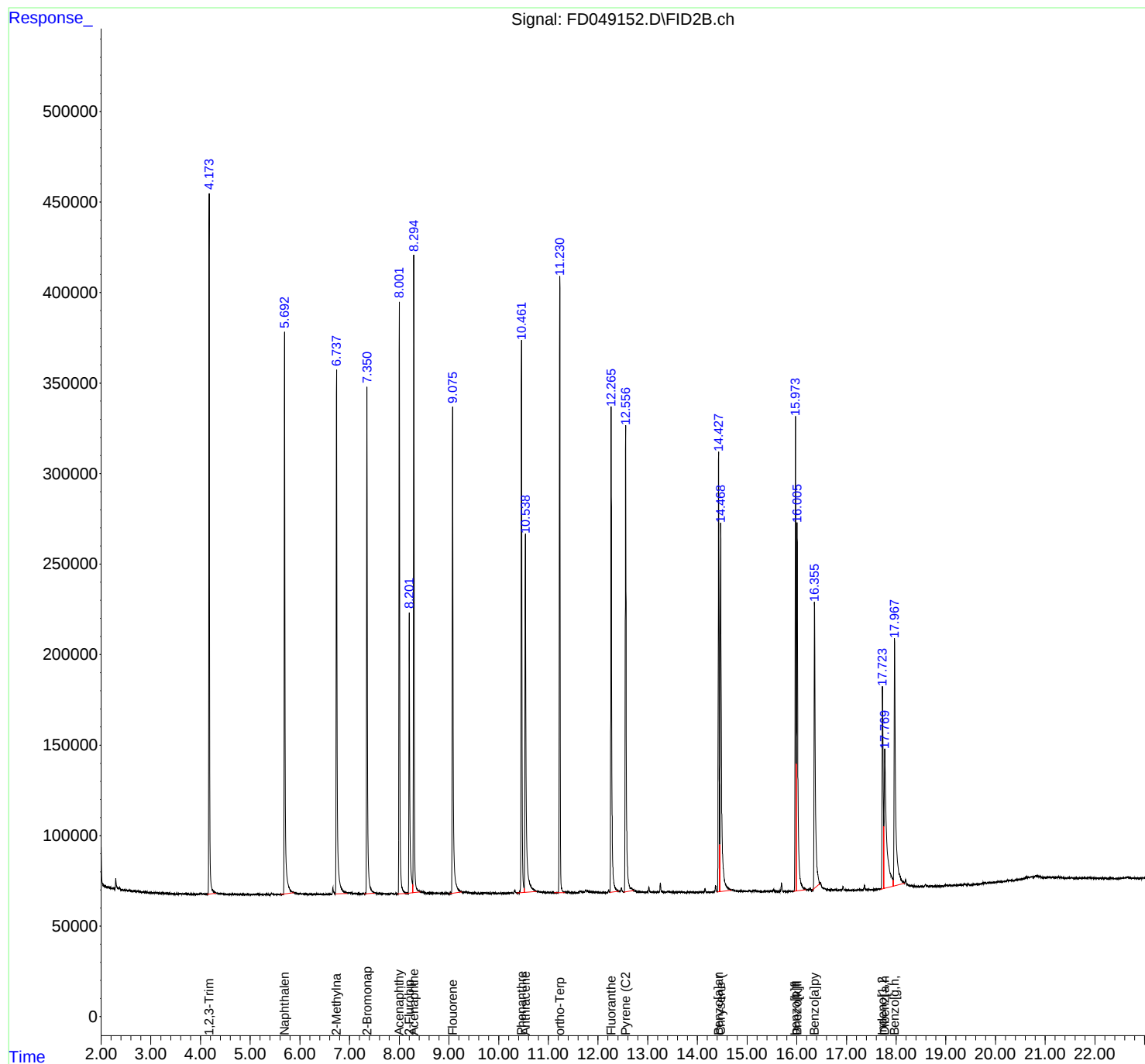
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD030325AR\
Data File : FD049152.D
Signal(s) : FID2B.ch
Acq On : 03 Mar 2025 09:50
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 04 01:36:35 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\FD030325AR\
Data File : FD049152.D
Signal(s) : FID2B.ch
Acq On : 03 Mar 2025 09:50
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	4.314	BB	386324	3598747	97.83%	5.434%
2	5.692	5.615	5.882	BB	310467	3567587	96.98%	5.387%
3	6.738	6.709	6.952	VB	288677	3540836	96.26%	5.346%
4	7.350	7.294	7.509	BB	279654	3200485	87.00%	4.832%
5	8.001	7.960	8.155	BB	326267	3611215	98.17%	5.452%
6	8.202	8.155	8.270	BV	154558	1929084	52.44%	2.913%
7	8.294	8.270	8.429	VB	351586	3678553	100.00%	5.554%
8	9.075	9.017	9.257	BB	268859	3447664	93.72%	5.205%
9	10.461	10.367	10.517	BV	304107	3362427	91.41%	5.077%
10	10.539	10.517	10.765	VB	197816	3055470	83.06%	4.613%
11	11.231	11.127	11.334	BB	340536	3666945	99.68%	5.537%
12	12.265	12.234	12.422	PB	267793	3450909	93.81%	5.210%
13	12.557	12.517	12.719	BB	257218	3491272	94.91%	5.271%
14	14.427	14.395	14.448	PV	242824	2774723	75.43%	4.189%
15	14.468	14.448	14.685	VB	203398	3521433	95.73%	5.317%
16	15.974	15.930	15.989	BV	261767	2988899	81.25%	4.513%
17	16.005	15.989	16.187	VB	203577	3432388	93.31%	5.182%
18	16.356	16.305	16.467	BV	158006	2706354	73.57%	4.086%
19	17.724	17.690	17.751	BV	111919	1770166	48.12%	2.673%
20	17.769	17.751	17.940	VV	76879	2570954	69.89%	3.882%
21	17.967	17.940	18.167	VV	136528	2865760	77.90%	4.327%
Sum of corrected areas:						66231872		

Aromatic EPH 021125.M Tue Mar 04 02:06:36 2025

Continuing Calibration Report for SequenceID : FD030325AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FD049155.D

Aromatic C10-C12	7286344.000	40.000	4.074	5.792	182158.600	159020.606	-14.550
Aromatic C12-C16	11027649.000	60.000	5.793	8.394	183794.150	160935.866	-14.203
Aromatic C16-C21	13539680.000	80.000	8.395	12.657	169246.000	153359.309	-10.359
Aromatic C21-C36	27644418.000	180.000	12.658	18.067	153580.100	143114.753	-7.313
Aromatic EPH	59498091.000	360.000	4.074	18.067	165272.475	150128.823	-10.087

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	03 Mar 2025 11:39
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049155.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.074	5.792	7286344.000	40.000	ug/ml
Aromatic C12-C16	5.793	8.394	11027649.000	60.000	ug/ml
Aromatic C16-C21	8.395	12.657	13539680.000	80.000	ug/ml
Aromatic C21-C36	12.658	18.067	27644418.000	180.000	ug/ml
Aromatic EPH	4.074	18.067	59498091.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD030325AR\
 Data File : FD049155.D
 Signal(s) : FID2B.ch
 Acq On : 03 Mar 2025 11:39
 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 04 01:37:47 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...	7.350	3259612	22.777 ug/ml
Spiked Amount 50.000		Recovery =	45.55%
6) S 2-Fluorobiphenyl (SURR)	8.201	1966625	22.370 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	44.74%
11) S ortho-Terphenyl (SURR)	11.231	3721980	23.007 ug/ml
Spiked Amount 50.000		Recovery =	46.01%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.174	3648019	22.907 ug/ml
2) T Naphthalene (C11.7)	5.691	3638325	22.913 ug/ml
3) T 2-Methylnaphthalene (...)	6.738	3599371	23.118 ug/ml
5) T Acenaphthylene (C15.06)	8.002	3664763	22.538 ug/ml
7) T Acenaphthene (C15.5)	8.294	3763515	22.877 ug/ml
8) T Fluorene (C16.55)	9.075	3534965	22.423 ug/ml
9) T Phenanthrene (C19.36)	10.462	3428112	22.748 ug/ml
10) T Anthracene (C19.43)	10.539	3137504	20.774 ug/ml
12) T Fluoranthene (C21.85)	12.265	3507481	22.729 ug/ml
13) T Pyrene (C20.8)	12.558	3439099	22.323 ug/ml
14) T Benzo[a]anthracene (C...	14.427	2908759	22.138 ug/ml
15) T Chrysene (C27.41)	14.468	3572138	22.093 ug/ml
16) T benzo[b]fluoranthene ...	15.974	3103346	22.554 ug/ml
17) T Bnezo[k]fluoranthene ...	16.005	3499425	22.156 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.354	2963978	21.836 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.722	2003451	18.334 ug/ml
20) T Dibenz[a,h]anthracene...	17.764	3062077	19.738 ug/ml
21) T Benzo[g,h,i]perylene ...	17.966	3023763	20.861 ug/ml

(f)=RT Delta > 1/2 Window

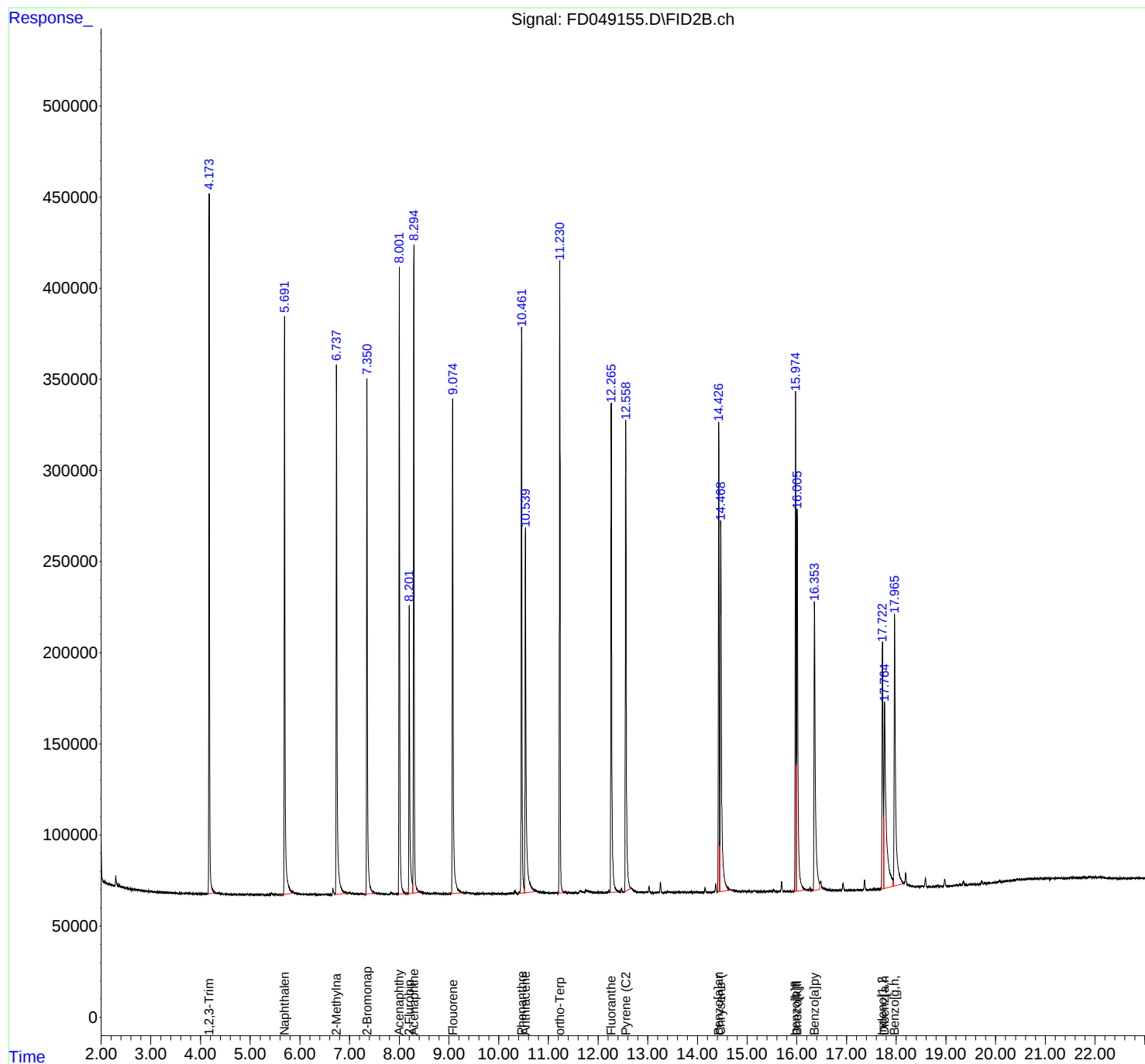
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD030325AR\
Data File : FD049155.D
Signal(s) : FID2B.ch
Acq On : 03 Mar 2025 11:39
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 04 01:37:47 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\FD030325AR\
 Data File : FD049155.D
 Signal(s) : FID2B.ch
 Acq On : 03 Mar 2025 11:39
 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	4.297	BV	383775	3648019	96.93%	5.330%
2	5.691	5.619	5.880	BB	316622	3638325	96.67%	5.316%
3	6.738	6.705	6.940	VB	290566	3599371	95.64%	5.259%
4	7.350	7.297	7.520	BB	282849	3259612	86.61%	4.762%
5	8.002	7.960	8.139	BB	343890	3664763	97.38%	5.354%
6	8.201	8.155	8.270	BV	157104	1966625	52.26%	2.873%
7	8.294	8.270	8.430	VB	355250	3763515	100.00%	5.498%
8	9.075	9.024	9.284	BB	270477	3534965	93.93%	5.165%
9	10.462	10.377	10.516	BV	310645	3428112	91.09%	5.008%
10	10.539	10.516	10.764	VB	200197	3137504	83.37%	4.584%
11	11.231	11.177	11.327	BV	346114	3721980	98.90%	5.438%
12	12.265	12.237	12.415	PV	268801	3507481	93.20%	5.124%
13	12.558	12.515	12.657	BV	257961	3439099	91.38%	5.025%
14	14.427	14.402	14.448	PV	257991	2908759	77.29%	4.250%
15	14.468	14.448	14.679	VB	203204	3572138	94.91%	5.219%
16	15.974	15.930	15.989	BV	274429	3103346	82.46%	4.534%
17	16.005	15.989	16.195	VB	209275	3499425	92.98%	5.113%
18	16.354	16.309	16.464	BV	158276	2963978	78.76%	4.330%
19	17.722	17.690	17.746	BV	135644	2003451	53.23%	2.927%
20	17.764	17.746	17.938	VV	102252	3062077	81.36%	4.474%
21	17.966	17.938	18.142	VV	149383	3023763	80.34%	4.418%
Sum of corrected areas:							68446308	

Aromatic EPH 021125.M Tue Mar 04 02:07:26 2025



QC SAMPLE DATA

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Nelson		Date Received:		
Client Sample ID:	PB166923BL		SDG No.:	Q1447	
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:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB166923BL	SDG No.:	Q1447
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

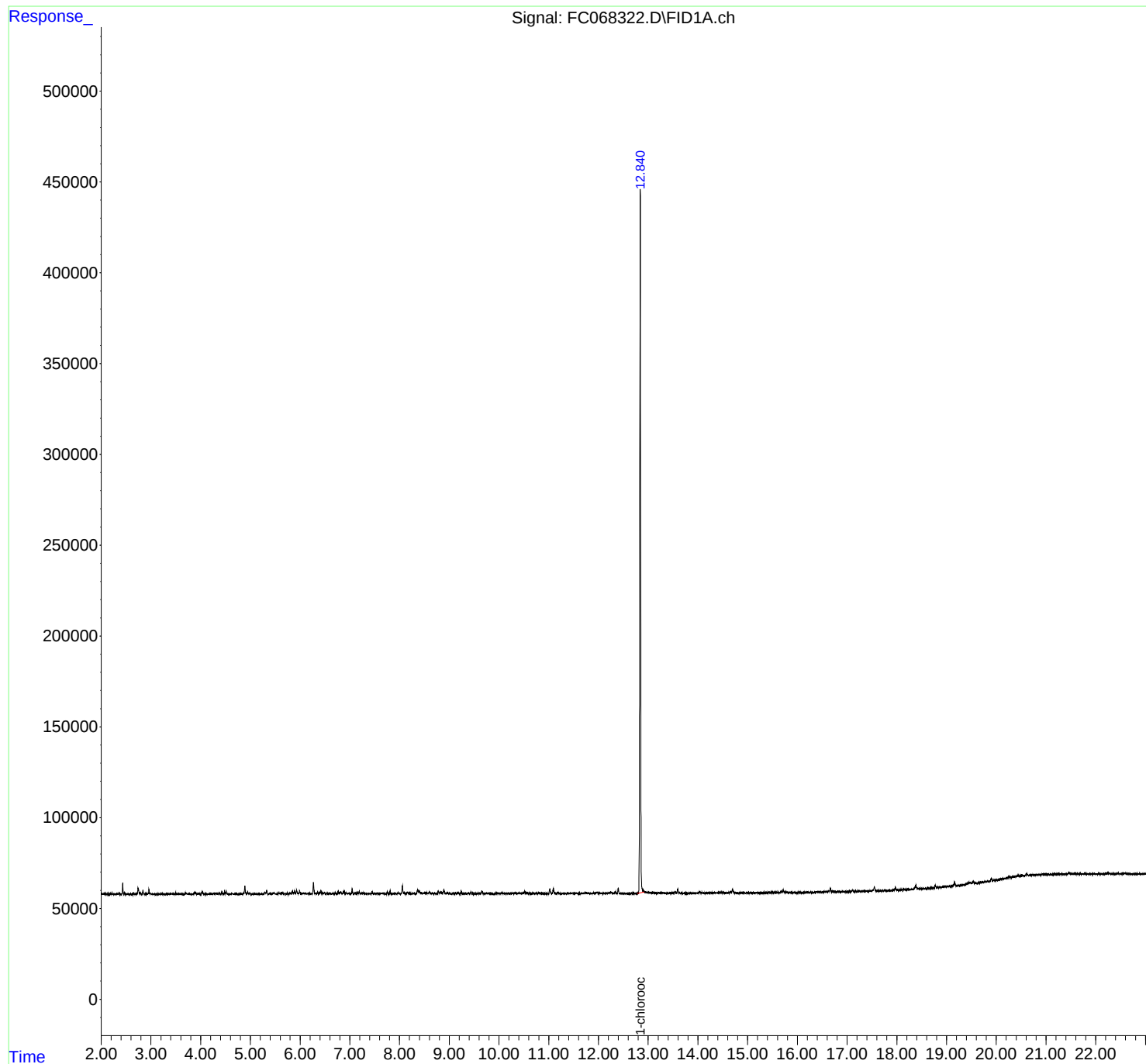
(m)=manual int.

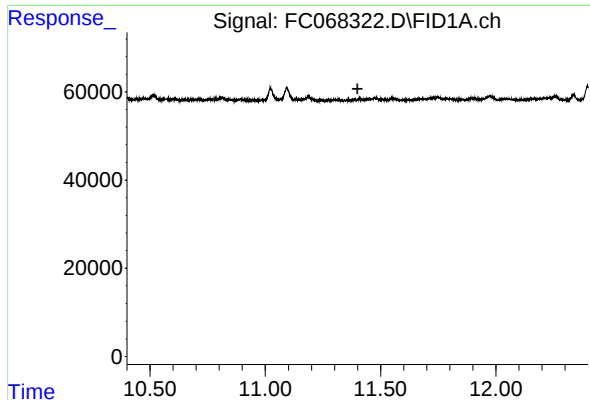
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068322.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 11:00
Operator : YP/AJ
Sample : PB166923BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

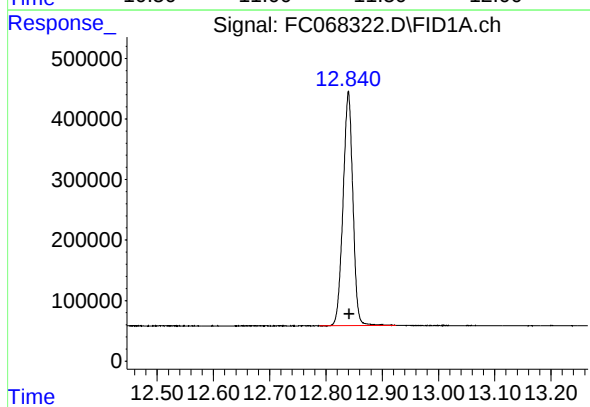




#9 ortho-Terphenyl (SURR)

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:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB166923BL	SDG No.:	Q1447
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

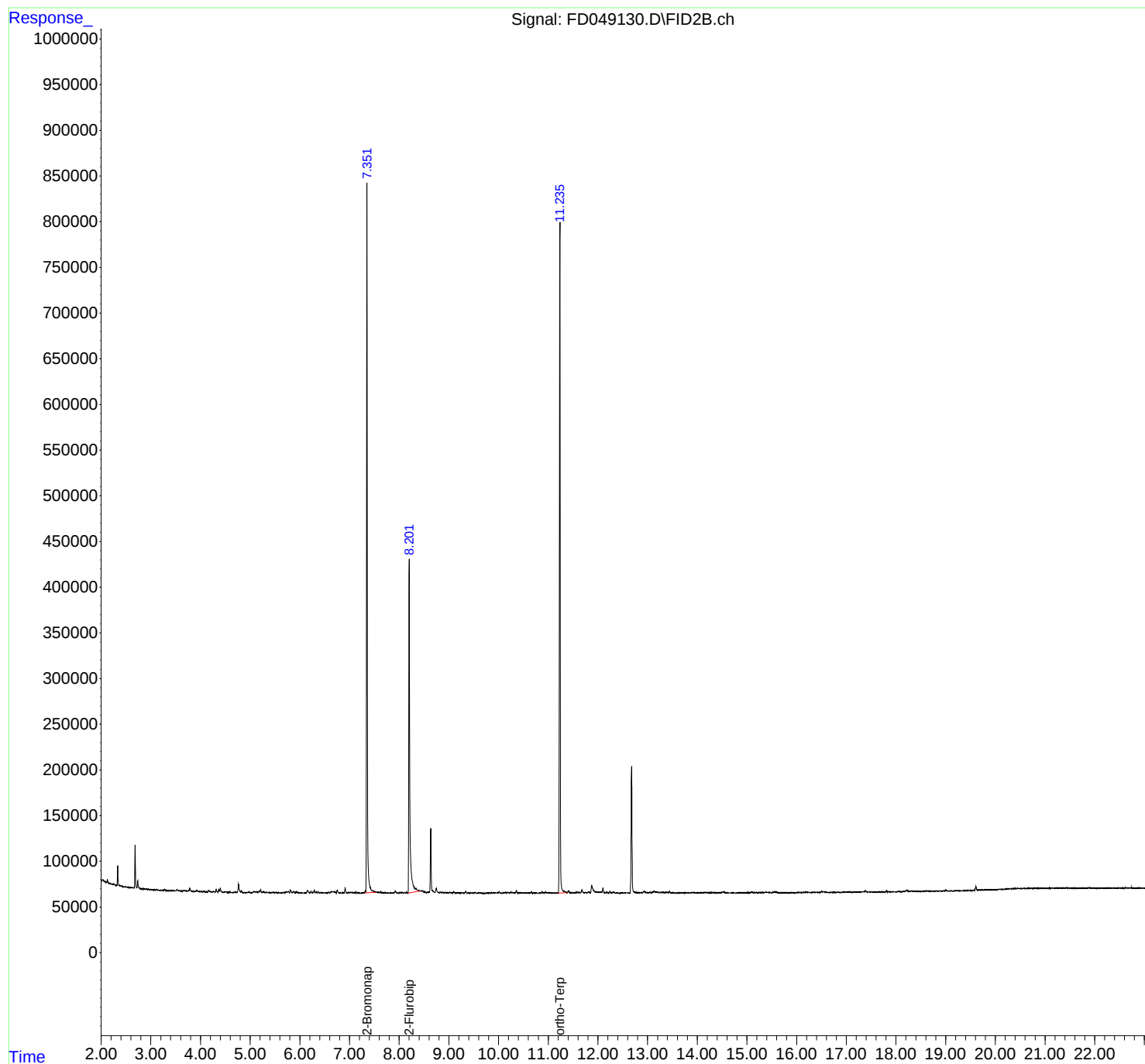
(m)=manual int.

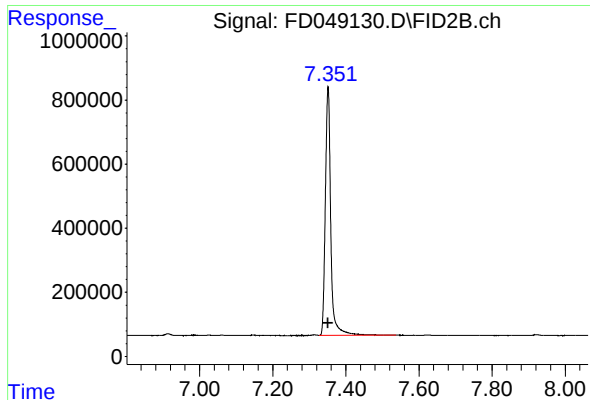
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049130.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 11:00
Operator : YP/AJ
Sample : PB166923BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

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

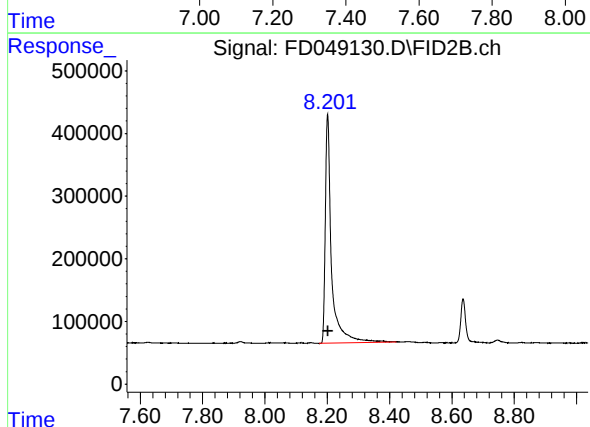




#4 2-Bromonaphthalene (SURR)

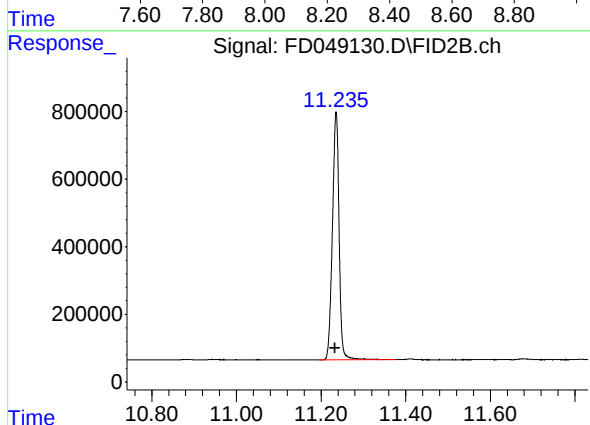
R.T.: 7.352 min
Delta R.T.: 0.000 min
Response: 8010402
Conc: 55.97 ug/ml

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:	G Environmental		Date Collected:	
Project:	Nelson		Date Received:	
Client Sample ID:	PB166923BS		SDG No.:	Q1447
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:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB166923BS	SDG No.:	Q1447
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

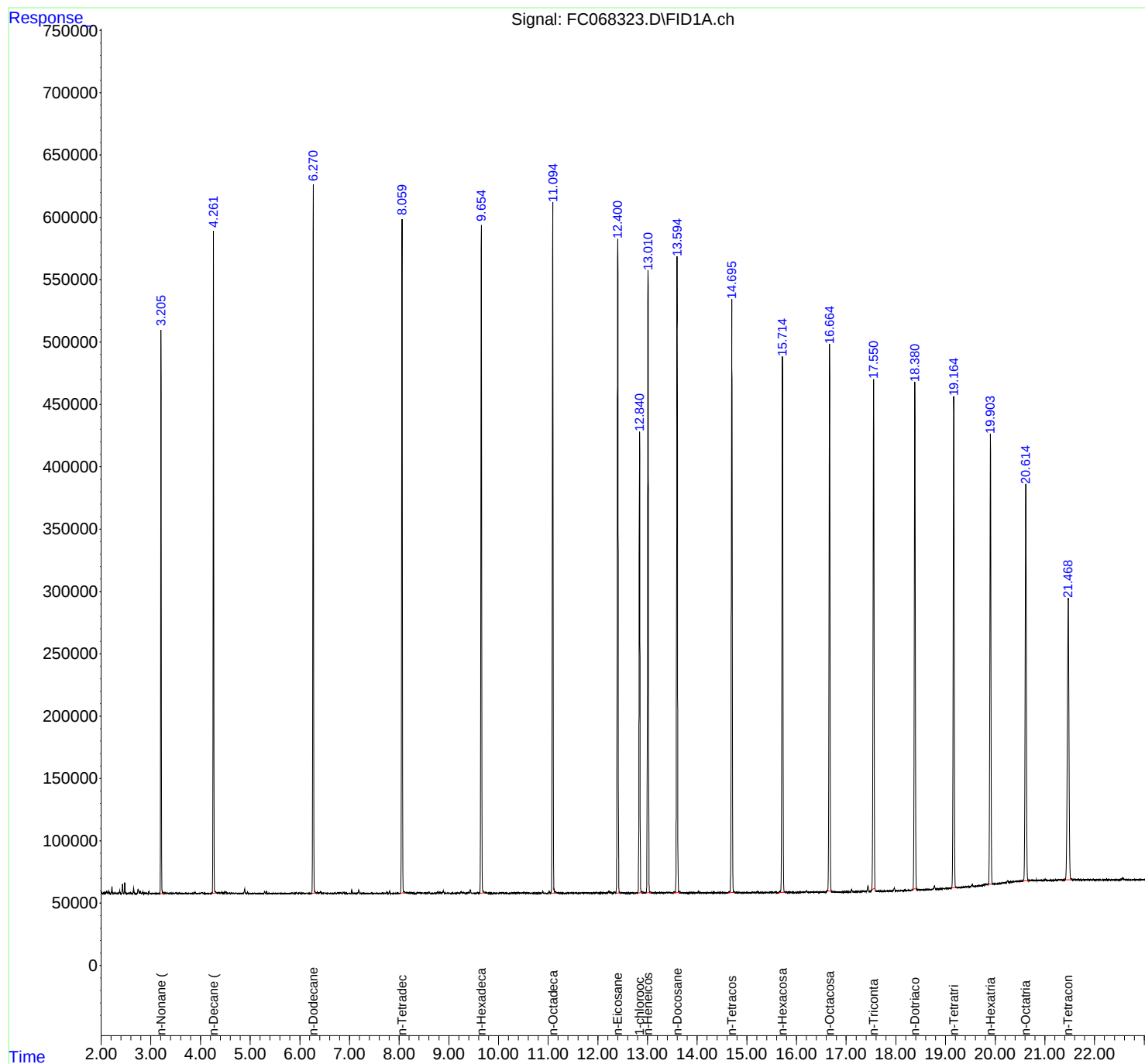
(m)=manual int.

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:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB166923BS	SDG No.:	Q1447
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

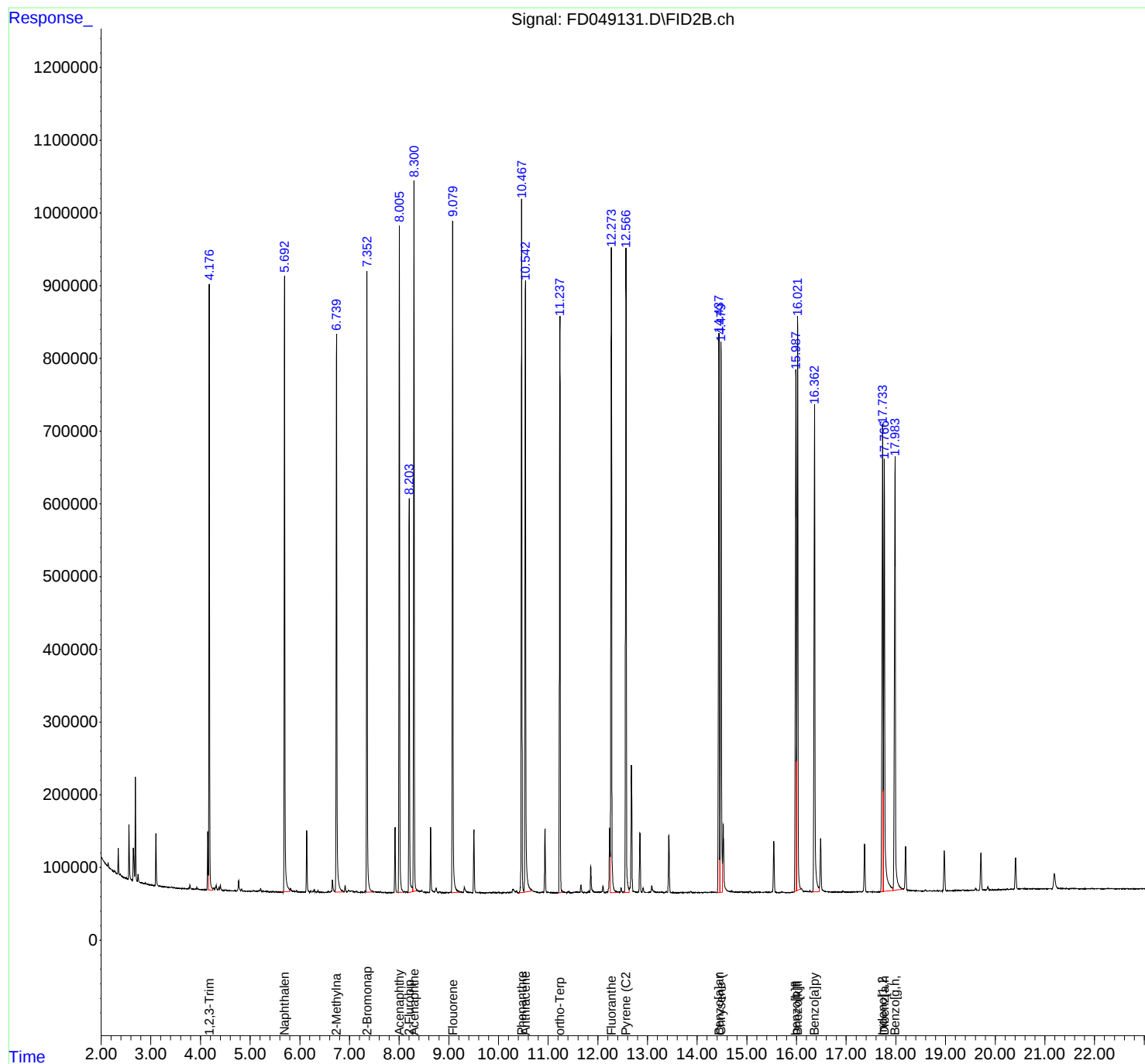
(m)=manual int.

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:	G Environmental		Date Collected:		
Project:	Nelson		Date Received:		
Client Sample ID:	PB166923BSD		SDG No.:	Q1447	
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:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB166923BSD	SDG No.:	Q1447
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

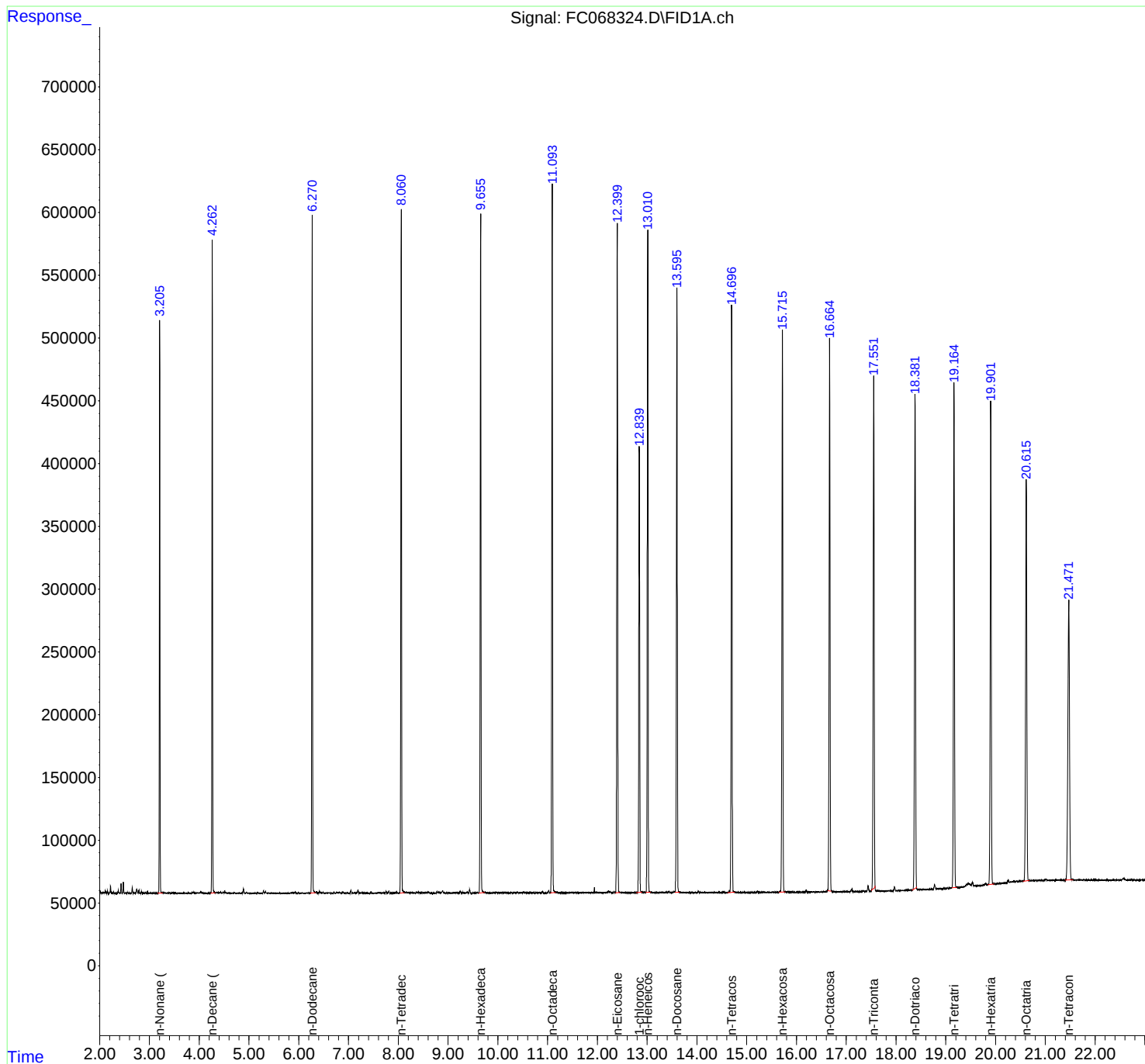
(m)=manual int.

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:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB166923BSD	SDG No.:	Q1447
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

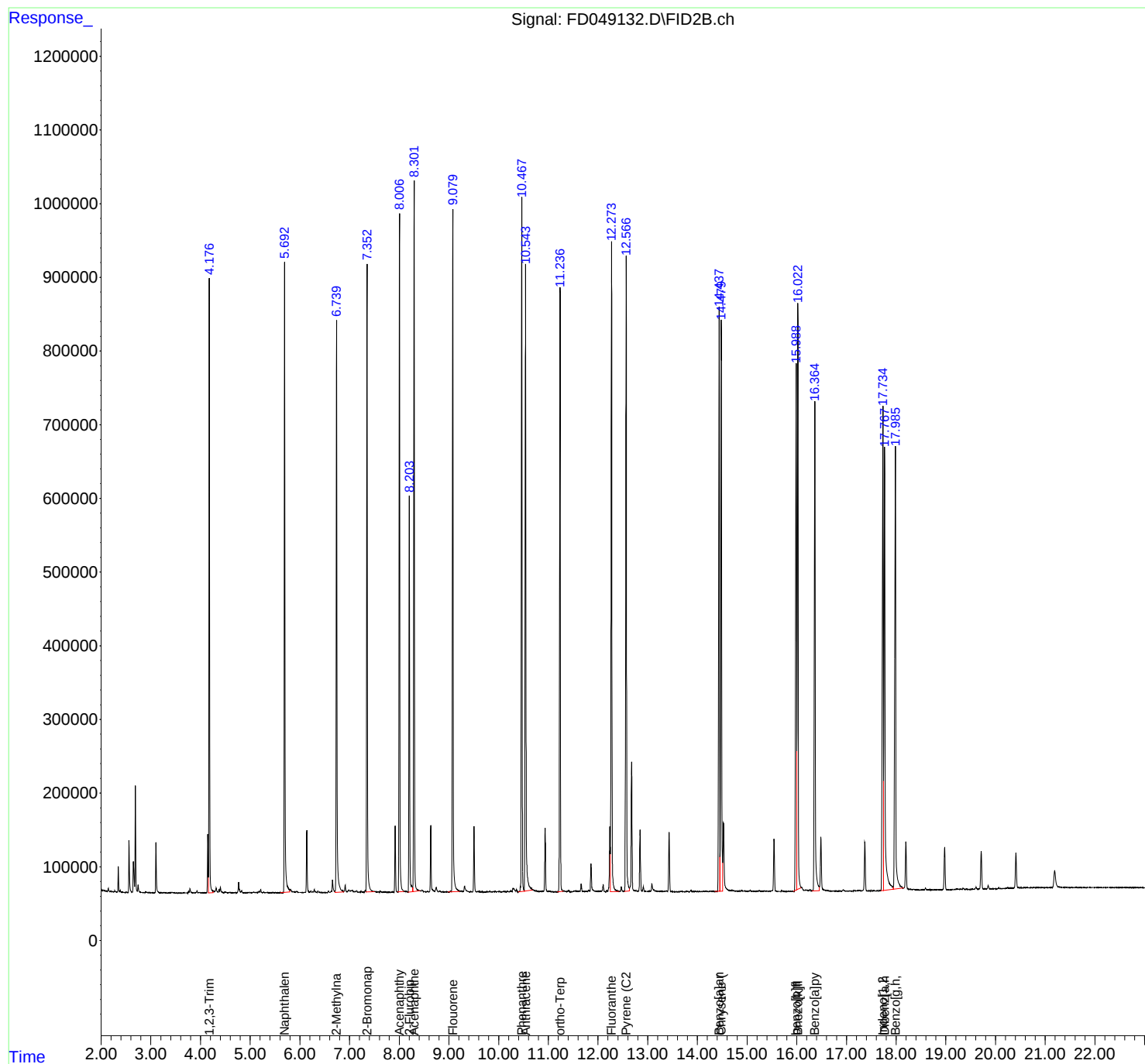
(m)=manual int.

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:	G Environmental	Date Collected:	02/24/25
Project:	Nelson	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MS	SDG No.:	Q1447
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

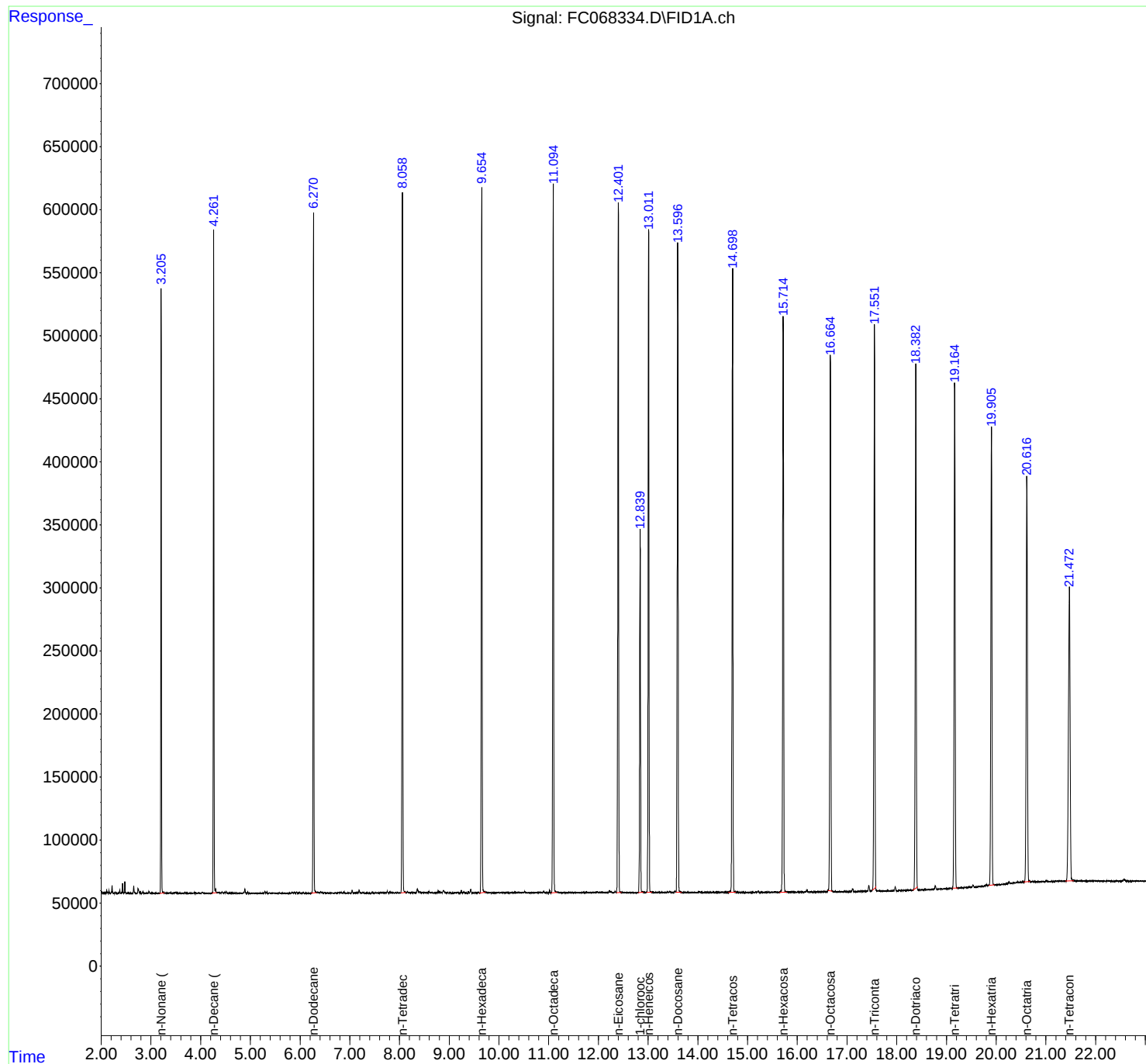
(m)=manual int.

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



rteres

Area Percent Report

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:	G Environmental	Date Collected:	02/24/25
Project:	Nelson	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MS	SDG No.:	Q1447
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

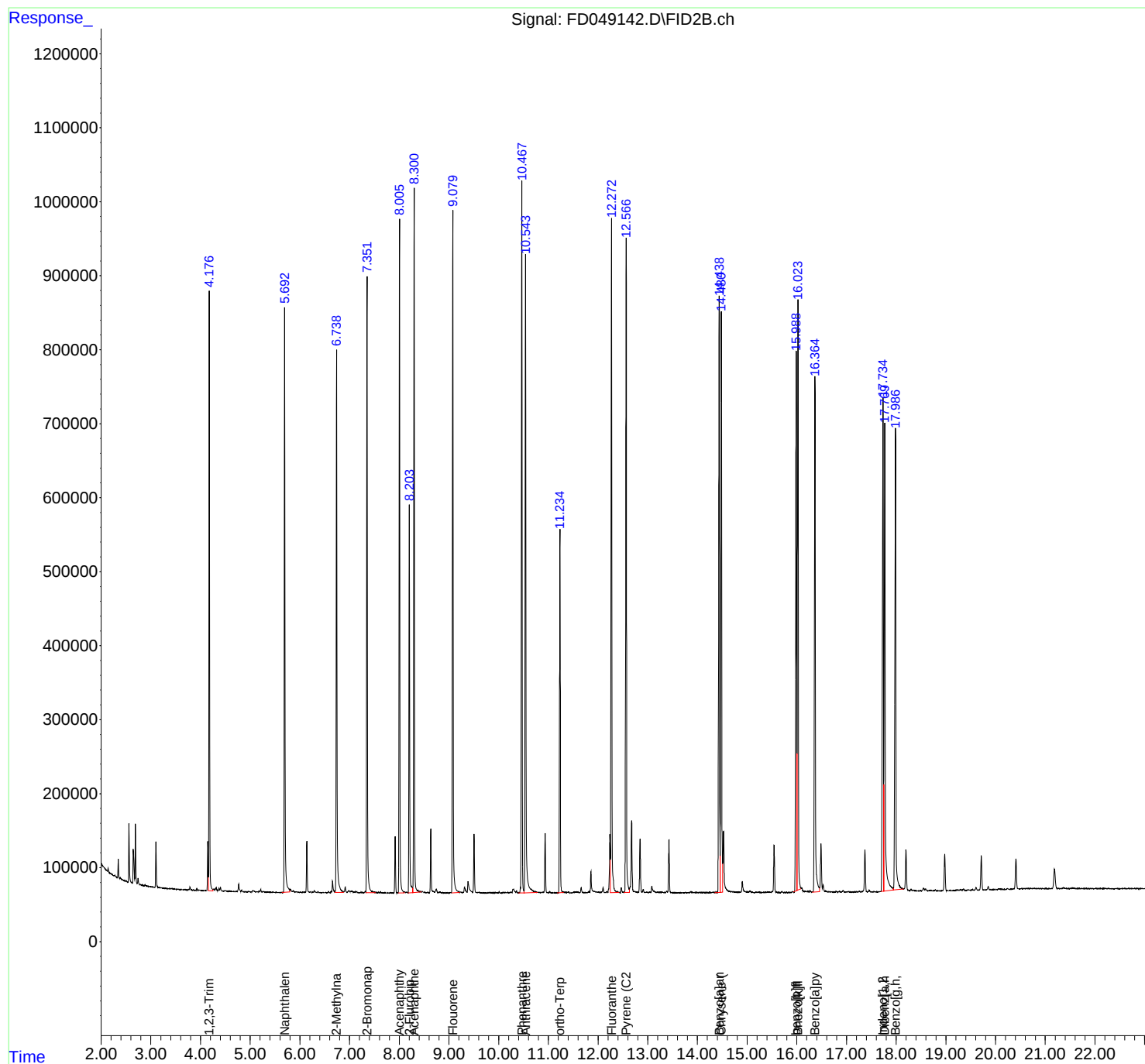
(m)=manual int.

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%

					rteres			
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:	G Environmental	Date Collected:	02/24/25
Project:	Nelson	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MSD	SDG No.:	Q1447
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

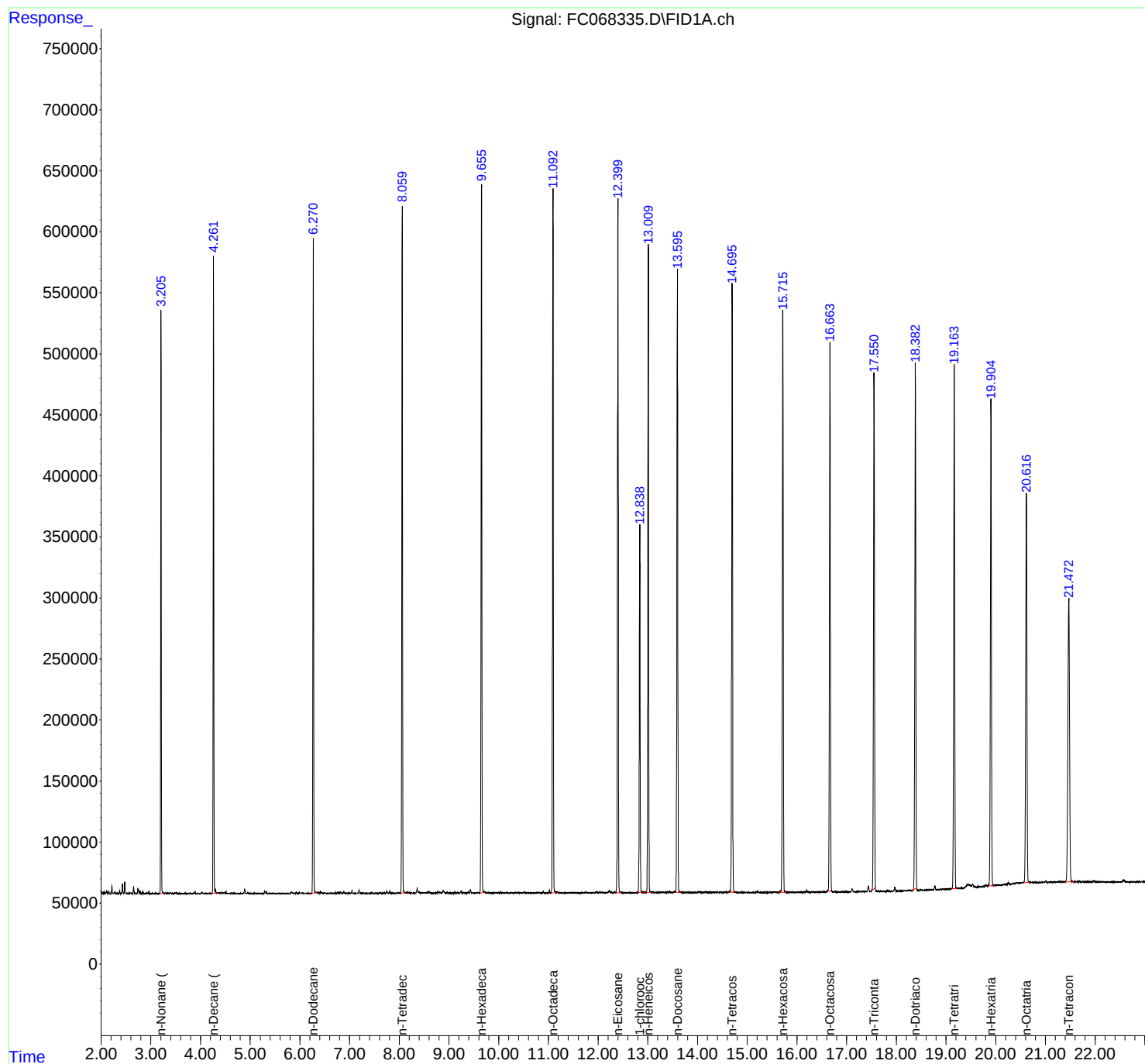
(m)=manual int.

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%

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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%

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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:	G Environmental	Date Collected:	02/24/25
Project:	Nelson	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MSD	SDG No.:	Q1447
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

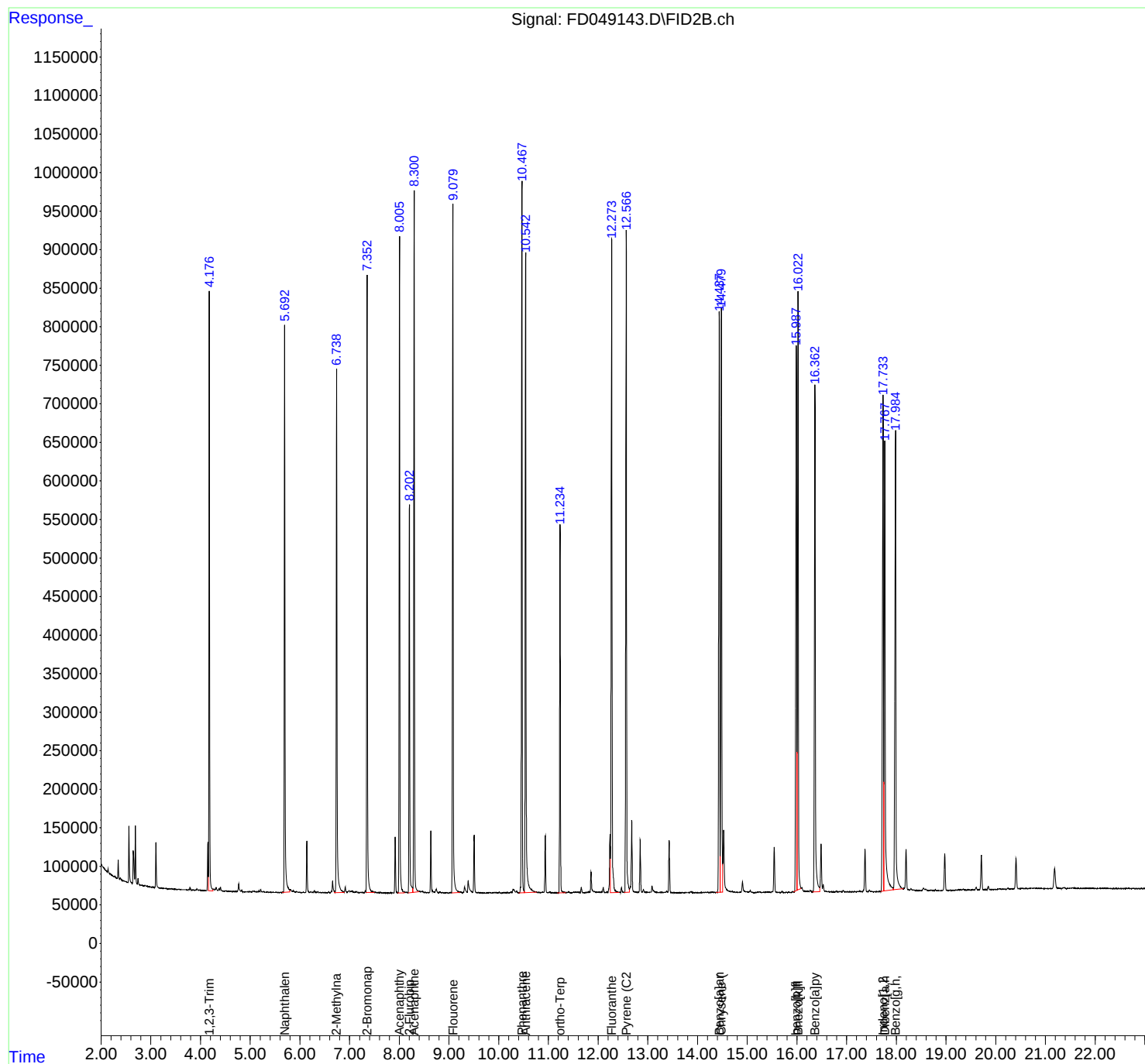
(m)=manual int.

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



rteres

Area Percent Report

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%

					rteres			
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



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

Manual Integration Report

Sequence:

FC021125AL

Instrument

FID_c

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

FC022825AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1447-01	FC068339.D	1-chlorooctadecane (Surr)	yogesh	3/5/2025 7:49:39 AM	Ankita	3/5/2025 9:17:04	Peak Integrated by Software

Manual Integration Report

Sequence:

FC030425AL

Instrument

FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB166975BS	FC068353.D	n-Tetracosane (C24)	yogesh	3/5/2025 8:21:15 AM	Ankita	3/5/2025 9:41:10	Peak Integrated by Software
PB166975BSD	FC068354.D	n-Tetracosane (C24)	yogesh	3/5/2025 8:21:17 AM	Ankita	3/5/2025 9:41:11	Peak Integrated by Software
Q1480-25MS	FC068357.D	n-Tetracosane (C24)	yogesh	3/5/2025 8:21:18 AM	Ankita	3/5/2025 9:41:13	Peak Integrated by Software
Q1480-25MSD	FC068358.D	n-Decane (C10)	yogesh	3/5/2025 8:21:20 AM	Ankita	3/5/2025 9:41:14	Peak Integrated by Software
Q1480-25MSD	FC068358.D	n-Tetracosane (C24)	yogesh	3/5/2025 8:21:20 AM	Ankita	3/5/2025 9:41:14	Peak Integrated by Software
Q1447-01DL	FC068362.D	1-chlorooctadecane (SURR)	yogesh	3/7/2025 8:52:08 AM	mohammad	3/8/2025 4:37:14	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

Manual Integration Report

Sequence:	FD022825AR	Instrument	FID_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FD049129.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	3/3/2025 8:01:30 AM	Ankita	3/4/2025 12:54:35	Peak Integrated by Software
Q1421-01D	FD049141.D	2-Fluorobiphenyl (SURR)	yogesh	3/3/2025 8:01:31 AM	Ankita	3/4/2025 12:54:36	Peak Integrated by Software

Manual Integration Report

Sequence:

FD030325AR

Instrument

FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1447-01DL	FD049153.D	2-Bromonaphthalene (SURR)	yogesh	3/4/2025 8:08:33 AM	Ankita	3/5/2025 9:17:40	Peak Integrated by Software
Q1447-01DL	FD049153.D	2-Fluorobiphenyl (SURR)	yogesh	3/4/2025 8:08:33 AM	Ankita	3/5/2025 9:17:40	Peak Integrated by Software

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC021125AL

Review By	yogesh	Review On	2/10/2025 4:11:01 PM
Supervise By	Ankita	Supervise On	2/11/2025 9:13:33 AM
SubDirectory	FC021125AL	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		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068250.D	10 Feb 2025 15:12	YP/AJ	Ok
2	I.BLK	FC068251.D	10 Feb 2025 15:48	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068252.D	10 Feb 2025 16:24	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068253.D	10 Feb 2025 17:01	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC068254.D	10 Feb 2025 17:38	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC068255.D	10 Feb 2025 18:14	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC068256.D	10 Feb 2025 18:50	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC068257.D	10 Feb 2025 19:26	YP/AJ	Ok
9	I.BLK	FC068258.D	10 Feb 2025 20:39	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC068259.D	10 Feb 2025 21:16	YP/AJ	Ok

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	Ankita	Supervise On	3/4/2025 12:54:27 PM
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
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	Q1421-02	FC068334.D	28 Feb 2025 18:56	YP/AJ	Ok
17	Q1421-03	FC068335.D	28 Feb 2025 19:32	YP/AJ	Ok
18	Q1421-09	FC068336.D	28 Feb 2025 20:09	YP/AJ	Ok
19	Q1422-01	FC068337.D	28 Feb 2025 20:46	YP/AJ	Ok
20	Q1422-02	FC068338.D	28 Feb 2025 21:22	YP/AJ	Ok
21	Q1447-01	FC068339.D	28 Feb 2025 21:59	YP/AJ	Dilution

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	Ankita	Supervise On	3/4/2025 12:54:27 PM
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	I.BLK	FC068340.D	28 Feb 2025 23:13	YP/AJ	Ok
23	20 PPM ALIPHATIC HC STD	FC068341.D	28 Feb 2025 23:50	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC030425AL

Review By	yogesh	Review On	3/4/2025 3:45:46 PM
Supervise By	mohammad	Supervise On	3/8/2025 4:36:56 AM
SubDirectory	FC030425AL	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		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068349.D	04 Mar 2025 08:58	YP/AJ	Ok
2	I.BLK	FC068350.D	04 Mar 2025 09:35	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068351.D	04 Mar 2025 13:10	YP/AJ	Ok
4	PB166975BL	FC068352.D	04 Mar 2025 16:18	YP/AJ	Ok
5	PB166975BS	FC068353.D	04 Mar 2025 16:53	YP/AJ	Ok,M
6	PB166975BSD	FC068354.D	04 Mar 2025 17:29	YP/AJ	Ok,M
7	Q1480-25	FC068355.D	04 Mar 2025 18:06	YP/AJ	Ok
8	Q1480-25D	FC068356.D	04 Mar 2025 18:42	YP/AJ	Ok
9	Q1480-25MS	FC068357.D	04 Mar 2025 19:19	YP/AJ	Ok,M
10	Q1480-25MSD	FC068358.D	04 Mar 2025 19:56	YP/AJ	Ok,M
11	I.BLK	FC068359.D	05 Mar 2025 00:03	YP/AJ	Ok
12	20 PPM ALIPHATIC HC STD	FC068360.D	05 Mar 2025 00:39	YP/AJ	Ok
13	Q1480-26	FC068361.D	05 Mar 2025 01:15	YP/AJ	Ok
14	Q1447-01DL	FC068362.D	05 Mar 2025 07:38	YP/AJ	Dilution
15	Q1447-01DL2	FC068363.D	05 Mar 2025 08:13	YP/AJ	Ok
16	I.BLK	FC068364.D	05 Mar 2025 08:50	YP/AJ	Ok
17	20 PPM ALIPHATIC HC STD	FC068365.D	05 Mar 2025 09:26	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	I.BLK	FD049071.D	10 Feb 2025 12:45	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD049072.D	10 Feb 2025 13:22	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD049073.D	10 Feb 2025 13:58	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD049074.D	10 Feb 2025 14:35	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD049075.D	10 Feb 2025 15:12	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD049076.D	10 Feb 2025 15:48	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD049077.D	10 Feb 2025 16:24	YP/AJ	Ok,M
9	I.BLK	FD049078.D	10 Feb 2025 17:01	YP/AJ	Ok
10	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	Ankita	Supervise On	3/4/2025 12:54:39 PM
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,M
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,M
16	Q1421-02	FD049142.D	28 Feb 2025 18:56	YP/AJ	Ok
17	Q1421-03	FD049143.D	28 Feb 2025 19:32	YP/AJ	Ok
18	Q1421-09	FD049144.D	28 Feb 2025 20:09	YP/AJ	Ok
19	Q1422-01	FD049145.D	28 Feb 2025 20:46	YP/AJ	Ok
20	Q1422-02	FD049146.D	28 Feb 2025 21:22	YP/AJ	Ok
21	Q1447-01	FD049147.D	28 Feb 2025 21:59	YP/AJ	Dilution

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	Ankita	Supervise On	3/4/2025 12:54:39 PM
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	I.BLK	FD049148.D	28 Feb 2025 23:13	YP/AJ	Ok
23	20 PPM AROMATIC HC STD	FD049149.D	28 Feb 2025 23:50	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD030325AR

Review By	yogesh	Review On	3/3/2025 10:31:07 AM
Supervise By	Ankita	Supervise On	3/5/2025 9:17:43 AM
SubDirectory	FD030325AR	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	FD049150.D	03 Mar 2025 08:38	YP/AJ	Ok
2	I.BLK	FD049151.D	03 Mar 2025 09:14	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049152.D	03 Mar 2025 09:50	YP/AJ	Ok
4	Q1447-01DL	FD049153.D	03 Mar 2025 10:26	YP/AJ	Ok,M
5	I.BLK	FD049154.D	03 Mar 2025 11:03	YP/AJ	Ok
6	20 PPM AROMATIC HC STD	FD049155.D	03 Mar 2025 11:39	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC021125AL

Review By	yogesh	Review On	2/10/2025 4:11:01 PM
Supervise By	Ankita	Supervise On	2/11/2025 9:13:33 AM
SubDirectory	FC021125AL	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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068250.D	10 Feb 2025 15:12		YP/AJ	Ok
2	I.BLK	I.BLK	FC068251.D	10 Feb 2025 15:48		YP/AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FC068252.D	10 Feb 2025 16:24		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068253.D	10 Feb 2025 17:01		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068254.D	10 Feb 2025 17:38		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC068255.D	10 Feb 2025 18:14		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC068256.D	10 Feb 2025 18:50		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068257.D	10 Feb 2025 19:26		YP/AJ	Ok
9	I.BLK	I.BLK	FC068258.D	10 Feb 2025 20:39		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068259.D	10 Feb 2025 21:16		YP/AJ	Ok

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	Ankita	Supervise On	3/4/2025 12:54:27 PM
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	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	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
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	Q1421-02	P001-CLAY-CF01-01M	FC068334.D	28 Feb 2025 18:56	FC068332.D	YP/AJ	Ok
17	Q1421-03	P001-CLAY-CF01-01M	FC068335.D	28 Feb 2025 19:32	FC068332.D!FC068334.D	YP/AJ	Ok
18	Q1421-09	P001-CLAY-CF02-01	FC068336.D	28 Feb 2025 20:09		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	Ankita	Supervise On	3/4/2025 12:54:27 PM
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	Q1422-01	B-154-SB01	FC068337.D	28 Feb 2025 20:46		YP/AJ	Ok
20	Q1422-02	B-154-SB02	FC068338.D	28 Feb 2025 21:22		YP/AJ	Ok
21	Q1447-01	WC1	FC068339.D	28 Feb 2025 21:59	need 10x & 100x dilution	YP/AJ	Dilution
22	I.BLK	I.BLK	FC068340.D	28 Feb 2025 23:13		YP/AJ	Ok
23	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068341.D	28 Feb 2025 23:50		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QC Batch ID # FC030425AL

Review By	yogesh	Review On	3/4/2025 3:45:46 PM
Supervise By	mohammad	Supervise On	3/8/2025 4:36:56 AM
SubDirectory	FC030425AL	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	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068349.D	04 Mar 2025 08:58		YP/AJ	Ok
2	I.BLK	I.BLK	FC068350.D	04 Mar 2025 09:35		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068351.D	04 Mar 2025 13:10		YP/AJ	Ok
4	PB166975BL	PB166975BL	FC068352.D	04 Mar 2025 16:18		YP/AJ	Ok
5	PB166975BS	PB166975BS	FC068353.D	04 Mar 2025 16:53		YP/AJ	Ok,M
6	PB166975BSD	PB166975BSD	FC068354.D	04 Mar 2025 17:29		YP/AJ	Ok,M
7	Q1480-25	TP-4	FC068355.D	04 Mar 2025 18:06		YP/AJ	Ok
8	Q1480-25D	Q1480-25D	FC068356.D	04 Mar 2025 18:42		YP/AJ	Ok
9	Q1480-25MS	TP-4MS	FC068357.D	04 Mar 2025 19:19	FC068355.D	YP/AJ	Ok,M
10	Q1480-25MSD	TP-4MSD	FC068358.D	04 Mar 2025 19:56	FC068355.D!FC068357.D	YP/AJ	Ok,M
11	I.BLK	I.BLK	FC068359.D	05 Mar 2025 00:03		YP/AJ	Ok
12	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068360.D	05 Mar 2025 00:39		YP/AJ	Ok
13	Q1480-26	TP-4-E2	FC068361.D	05 Mar 2025 01:15		YP/AJ	Ok
14	Q1447-01DL	WC1DL	FC068362.D	05 Mar 2025 07:38	Need more dilution	YP/AJ	Dilution
15	Q1447-01DL2	WC1DL2	FC068363.D	05 Mar 2025 08:13		YP/AJ	Ok
16	I.BLK	I.BLK	FC068364.D	05 Mar 2025 08:50		YP/AJ	Ok
17	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068365.D	05 Mar 2025 09:26		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	PP23969,PP23974		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049070.D	10 Feb 2025 12:09		YP/AJ	Ok
2	I.BLK	I.BLK	FD049071.D	10 Feb 2025 12:45		YP/AJ	Ok
3	100 PPM AROMATIC HC	100 PPM AROMATIC HC	FD049072.D	10 Feb 2025 13:22		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD049073.D	10 Feb 2025 13:58		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049074.D	10 Feb 2025 14:35		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD049075.D	10 Feb 2025 15:12		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD049076.D	10 Feb 2025 15:48		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049077.D	10 Feb 2025 16:24		YP/AJ	Ok,M
9	I.BLK	I.BLK	FD049078.D	10 Feb 2025 17:01		YP/AJ	Ok
10	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	Ankita	Supervise On	3/4/2025 12:54:39 PM
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,M
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,M
16	Q1421-02	P001-CLAY-CF01-01M	FD049142.D	28 Feb 2025 18:56	FD049140.D	YP/AJ	Ok
17	Q1421-03	P001-CLAY-CF01-01M	FD049143.D	28 Feb 2025 19:32	FD049140.D!FD049142.D	YP/AJ	Ok
18	Q1421-09	P001-CLAY-CF02-01	FD049144.D	28 Feb 2025 20:09		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	Ankita	Supervise On	3/4/2025 12:54:39 PM
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			

19	Q1422-01	B-154-SB01	FD049145.D	28 Feb 2025 20:46		YP/AJ	Ok
20	Q1422-02	B-154-SB02	FD049146.D	28 Feb 2025 21:22		YP/AJ	Ok
21	Q1447-01	WC1	FD049147.D	28 Feb 2025 21:59	need 25x dilution	YP/AJ	Dilution
22	I.BLK	I.BLK	FD049148.D	28 Feb 2025 23:13		YP/AJ	Ok
23	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049149.D	28 Feb 2025 23:50		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QC Batch ID # FD030325AR

Review By	yogesh	Review On	3/3/2025 10:31:07 AM
Supervise By	Ankita	Supervise On	3/5/2025 9:17:43 AM
SubDirectory	FD030325AR	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	FD049150.D	03 Mar 2025 08:38		YP/AJ	Ok
2	I.BLK	I.BLK	FD049151.D	03 Mar 2025 09:14		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049152.D	03 Mar 2025 09:50		YP/AJ	Ok
4	Q1447-01DL	WC1DL	FD049153.D	03 Mar 2025 10:26		YP/AJ	Ok,M
5	I.BLK	I.BLK	FD049154.D	03 Mar 2025 11:03		YP/AJ	Ok
6	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049155.D	03 Mar 2025 11:39		YP/AJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/27/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 02/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 02/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134817

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
Q1440-01	OR-02-022625	5	1.15	8.81	9.96	9.06	89.8	
Q1440-02	OR-02-022625-E2	6	1.12	8.87	9.99	9.03	89.2	
Q1441-01	HD-02-022625	7	1.18	8.44	9.62	8.61	88.0	
Q1441-02	HD-02-022625-E2	8	1.15	8.82	9.97	8.76	86.3	
Q1442-01	280	1	1.00	1.00	2.00	2.00	100.0	debris
Q1442-02	281	2	1.15	8.50	9.65	9.00	92.4	
Q1442-03	351	3	1.15	8.81	9.96	8.86	87.5	
Q1442-04	351-E2	4	1.13	8.55	9.68	8.58	87.1	
Q1443-01	3733	9	1.15	0.85	2.00	2.00	100.0	debris
Q1444-01	HIH5032-1-1	10	1.00	1.00	2.00	2.00	100.0	oilc
Q1444-02	HIH5032-1-2	11	1.00	1.00	2.00	2.00	100.0	oilc
Q1445-01	FDH119M-1-1	12	1.00	1.00	2.00	2.00	100.0	oilc
Q1445-02	FDH119M-1-2	13	1.00	1.00	2.00	2.00	100.0	oilc
Q1445-03	FDH119M-2-1	14	1.00	1.00	2.00	2.00	100.0	oilc
Q1445-04	FDH119M-2-2	15	1.00	1.00	2.00	2.00	100.0	oilc
Q1445-05	BC274767-1-1	16	1.00	1.00	2.00	2.00	100.0	oilc
Q1445-06	BC274767-1-2	17	1.00	1.00	2.00	2.00	100.0	oilc
Q1445-07	029015-1-1	18	1.00	1.00	2.00	2.00	100.0	oilc
Q1445-08	029015-1-2	19	1.00	1.00	2.00	2.00	100.0	oilc
Q1447-01	WC1	20	1.16	8.60	9.76	9.11	92.4	
Q1448-01	PSP1	21	1.15	8.50	9.65	8.73	89.2	
Q1448-02	P1	22	1.17	8.42	9.59	8.69	89.3	
Q1448-03	P2	23	1.16	8.53	9.69	8.84	90.0	
Q1448-04	P3	24	1.15	8.79	9.94	8.78	86.8	
Q1448-05	P4	25	1.12	8.75	9.87	8.82	88.0	

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

WORKLIST(Hardcopy Internal Chain)

15145

WorkList Name : %1-022625

WorkList ID : 187879

Department : Wet-Chemistry

Date : 02-26-2025 07:54:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1440-01	OR-02-022625	Solid	Percent Solids	Cool 4 deg C	PSEG05	H41	02/26/2025	Chemtech -SO
Q1440-02	OR-02-022625-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H41	02/26/2025	Chemtech -SO
Q1441-01	HD-02-022625	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/26/2025	Chemtech -SO
Q1441-02	HD-02-022625-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/26/2025	Chemtech -SO
Q1442-01	280	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1442-02	281	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1442-03	351	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1442-04	351-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	02/26/2025	Chemtech -SO
Q1443-01	3733	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	02/26/2025	Chemtech -SO
Q1444-01	HIH5032-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1444-02	HIH5032-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1445-01	FDH119M-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1445-02	FDH119M-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1445-03	FDH119M-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1445-04	FDH119M-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1445-05	BC274767-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1445-06	BC274767-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1445-07	029015-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1445-08	029015-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/26/2025	Chemtech -SO
Q1447-01	WC1	Solid	Percent Solids	Cool 4 deg C	GENV01	H33	02/23/2025	Chemtech -SO
Q1448-01	PSP1	Solid	Percent Solids	Cool 4 deg C	GENV01	H33	02/25/2025	Chemtech -SO

Date/Time 02/26/25 15:45
 Raw Sample Received by: SA CWCJ
 Raw Sample Relinquished by: SA CWCJ

Date/Time 02/26/25 17:30
 Raw Sample Received by: CD SM
 Raw Sample Relinquished by: SA CWCJ

WORKLIST(Hardcopy Internal Chain)

JB 134817

WorkList Name : %1-022625

WorkList ID : 187879

Department : Wet-Chemistry

Date : 02-26-2025 07:54:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1448-02	P1	Solid	Percent Solids	Cool 4 deg C	GENV01	H33	02/25/2025	Chemtech -SO
Q1448-03	P2	Solid	Percent Solids	Cool 4 deg C	GENV01	H33	02/25/2025	Chemtech -SO
Q1448-04	P3	Solid	Percent Solids	Cool 4 deg C	GENV01	H33	02/25/2025	Chemtech -SO
Q1448-05	P4	Solid	Percent Solids	Cool 4 deg C	GENV01	H33	02/25/2025	Chemtech -SO

Date/Time 02/26/25 15:45

Raw Sample Received by: JB (WC)

Raw Sample Relinquished by: CP SM

Date/Time 02/26/25 17:30

Raw Sample Received by: CP SM

Raw Sample Relinquished by: JB (WC)

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
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

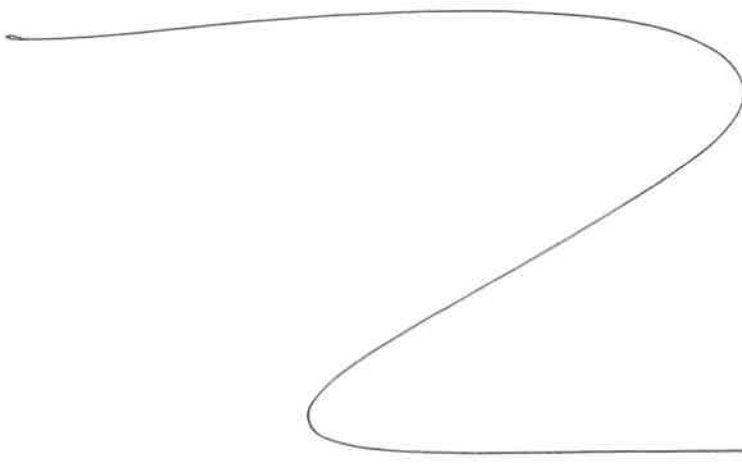
Envap Temperature: 40 °C

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

COMPANY: G-Environmental
ADDRESS: 8 CARRIAGE
CITY: Shrewsbury STATE: NJ ZIP: 08876
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Nekon
PROJECT NO.: LOCATION:
PROJECT MANAGER: GL
e-mail: gary@g-environmental.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G-Environmental PO#:
ADDRESS: 8 CARRIAGE
CITY: Shrewsbury STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5-day DAYS*
EDD: 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 has site

1. EPH 2. VOC 3. BTEX 4. PCBs 5. KRA 6. Cyanide 7. TAL metals 8. TCEP metals 9. paint filter 10. pH 11. Isotopes

ANALYSIS

ALLIANCE
SAMPLE
ID

PROJECT
SAMPLE IDENTIFICATION

SAMPLE
MATRIX

SAMPLE
TYPE

SAMPLE
COLLECTION

COMP

GRAB

DATE

TIME

OF BOTTLES

PRESERVATIVES

COMMENTS

← Specify Preservatives

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

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
1.	2.	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:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>21</u> °C
1. <u>AKA</u>	<u>2/26/25</u>	1. <u>OK</u>	Comments: <u>Waste Class</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3.		3.	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1447 GENV01

Order Date : 2/26/2025 2:32:53 PM

Project Mgr :

Client Name : G Environmental

Project Name : Nelson

Report Type : Levelt NJ Reduce

Client Contact : Gary Landis

Receive DateTime : 2/26/2025 2:15:00 PM

EDD Type : Excel NJ

Invoice Name : G Environmental

Purchase Order :

Hard Copy Date :

Invoice Contact : Gary Landis

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
--------	-----------	--------	-------------	-------------	------	------------	--------	----------	-----------

Q1447-01

WC1

Solid 02/23/2025 16:00

VOC-TCLVOA-10

8260D

5
~~10~~ Bus. Days

[Signature]

Relinquished By :

Date / Time :

2-26-25 15:05

Received By :

Date / Time :

Sam
2/26/25 15:05 Ng #6
F22

Storage Area : VOA Refridgerator Room