

Cover Page

Order ID : Q1574

Project ID : Ave L

Client : G Environmental

Lab Sample Number

Q1574-01

Q1574-02

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: 3/23/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

G Environmental

Project Name: Ave L

Project # N/A

Chemtech Project # Q1574

Test Name: EPH

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 03/14/2025.

1 Solid sample was received on 03/14/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for EPH.

C. Analytical Techniques:

The analysis were performed on instrument FID_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302. The analysis were performed on instrument FID_F. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302. The analysis of EPHs was based on method NJEPH and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for WC1DL [1-chlorooctadecane (SURR) - 147%], but this sample was required dilution as well due to high concentration, therefore original and Dilution analysis were reported and no further corrective action taken for aliphatic.

The Surrogate recoveries met the acceptable criteria except for WC1DL [2-Bromonaphthalene (SURR) - 0%, 2-Fluorobiphenyl (SURR) - 0% and ortho-Terphenyl (SURR) - 0%] Surrogates were diluted out due to the high dilution. No further corrective action was taken for aromatic.

The Retention Times were acceptable for all samples.

The MS {Q1574-01MS} with File ID: FF015701.D recoveries met the requirements for all compounds except for Aliphatic C16-C21[188%], Aliphatic C21-C28[1641%] and Aliphatic C28-C40[1845%] Due to matrix interference.



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

The MS {Q1574-01MS} with File ID: FG015518.D recoveries met the requirements for all compounds except for Aromatic C21-C36[5601%] Due to matrix interference.

The MSD {Q1574-01MSD} with File ID: FF015702.D recoveries met the acceptable requirements except for Aliphatic C16-C21[195%], Aliphatic C21-C28[1782%] and Aliphatic C28-C40[2028%] Due to matrix interference .

The MSD {Q1574-01MSD} with File ID: FG015519.D recoveries met the acceptable requirements except for Aromatic C21-C36[4736%] Due to matrix interference .

The RPD for {Q1574-01MSD} with File ID: FG015519.D met criteria except for Aromatic C12-C16[48.8%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

Samples WC1 and WC1DL were diluted due to high concentrations For aliphatic.

Samples WC1 and were diluted due to high concentrations For aromatic.

E. Additional Comments:

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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 #: Q1574

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: NILESH PRAJAPATI

Date: 03/23/2025

LAB CHRONICLE

OrderID: Q1574	OrderDate: 3/14/2025 11:25:00 AM
Client: G Environmental	Project: Ave L
Contact: Gary Landis	Location: I41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1574-01	WC1	SOIL	PCB	8082A	03/12/25	03/14/25	03/17/25	03/14/25
			EPH	NJEPH		03/19/25	03/20/25	
Q1574-01DL	WC1DL	SOIL	PCB	8082A	03/12/25	03/14/25	03/17/25	03/14/25
			EPH	NJEPH		03/19/25	03/20/25	
Q1574-01DL2	WC1DL2	SOIL	EPH	NJEPH	03/12/25	03/19/25	03/20/25	03/14/25



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM CASE No.: Q1574 SAS No.: Q1574 SDG No.: Q1574
Run Number: FF032025AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB167231BL	63			0
PB167231BS	78			0
PB167231BSD	79			0
WC1	115			0
WC1DL	147 *			1
WC1DL2	114			0
WC1MS	87			0
WC1MSD	90			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.: Q1574 SAS No.: Q1574 SDG No.: Q1574
Run Number: FG032025AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB167231BL	100	73	84	0
PB167231BS	101	78	85	0
PB167231BSD	116	90	98	0
WC1	102	96	56	0
WC1DL	0 *	0 *	0 *	3
WC1MS	111	96	60	0
WC1MSD	109	92	52	0

QC LIMITS

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

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

SOIL EPH SURROGATE RECOVERY

QC LIMITS

2-Bromonaphthalene (SURRE)

(40-140)

2-Fluorobiphenyl (SURRE)

(40-140)

ortho-Terphenyl (SURRE)

(40-140)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

D Surrogate diluted out

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental
Lab Code: CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574
Sample No : Q1574-01MS **Datafile:** FF015701.D
Client ID : WC1MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10.2	2.32	8.80	64		(40-140)
Aliphatic C12-C16	6.8	1.35	7.47	90		(40-140)
Aliphatic C16-C21	10.2	52.6	71.8	188	*	(40-140)
Aliphatic C21-C28	13.6	643	867	1641	*	(40-140)
Aliphatic C28-C40	20.4	760	1140	1845	*	(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental
Lab Code: CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574
Sample No : Q1574-01MSD **Datafile:** FF015702.D
Client ID : WC1MSD

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	10.2	2.32	8.95	65		2.33 (40-140) 25
Aliphatic C12-C16	6.8	1.35	7.39	89		1.23 (40-140) 25
Aliphatic C16-C21	10.2	52.6	72.5	195	*	3.66 (40-140) 25
Aliphatic C21-C28	13.6	643	886	1782	*	8.24 (40-140) 25
Aliphatic C28-C40	20.4	760	1170	2028	*	9.45 (40-140) 25

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental
Lab Code: CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574
Sample No : Q1574-01MS **Datafile:** FG015518.D
Client ID : WC1MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.8	4.33	10.1	85		(40-140)
Aromatic C12-C16	10.2	4.55	16.5	117		(40-140)
Aromatic C16-C21	17.0	10.0	18.9	52		(40-140)
Aromatic C21-C36	27.2	5470	6990	5601	*	(40-140)

SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental
Lab Code: CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574
Sample No : Q1574-01MSD **Datafile:** FG015519.D
Client ID : WC1MSD

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	6.8	4.33	9.75	80		6.19 (40-140) 25
Aromatic C12-C16	10.2	4.55	11.8	71		48.8 * (40-140) 25
Aromatic C16-C21	17.0	10.0	20.5	62		16 (40-140) 25
Aromatic C21-C36	27.2	5470	6750	4736	*	16.7 (40-140) 25

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental
Lab Code: CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574
Sample No : PB167231BS **Datafile:** FF015697.D
Client ID : PB167231BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	5.21	52		(40-140)
Aliphatic C12-C16	6.7	4.89	73		(40-140)
Aliphatic C16-C21	10	8.60	86		(40-140)
Aliphatic C21-C28	13.3	11.5	86		(40-140)
Aliphatic C28-C40	20.0	18.0	90		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental
Lab Code: CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574
Sample No : PB167231BSD **Datafile:** FF015698.D
Client ID : PB167231BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10.0	5.24	52		0.41 (40-140)	50
Aliphatic C12-C16	6.7	4.93	74		0.77 (40-140)	50
Aliphatic C16-C21	10.0	8.66	87		0.61 (40-140)	50
Aliphatic C21-C28	13.3	11.6	87		0.84 (40-140)	50
Aliphatic C28-C40	20.0	18.5	92		2.7 (40-140)	50

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental
Lab Code: CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574
Sample No : PB167231BS **Datafile:** FG015514.D
Client ID : PB167231BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	3.68	55		(40-140)
Aromatic C12-C16	10	7.25	73		(40-140)
Aromatic C16-C21	16.7	14.9	90		(40-140)
Aromatic C21-C36	26.6	26.3	99		(40-140)

SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental
Lab Code: CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574
Sample No : PB167231BSD **Datafile:** FG015515.D
Client ID : PB167231BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	4.26	64		14 (40-140)	50
Aromatic C12-C16	10.0	8.37	84		14 (40-140)	50
Aromatic C16-C21	16.7	17.2	103		14 (40-140)	50
Aromatic C21-C36	26.7	30.7	115		15 (40-140)	50

4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167231BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1574

SAS No.: Q1574 SDG NO.: Q1574

Instrument ID: FID_F

Lab Sample ID: PB167231BL

Matrix: (soil/water) Solid

Date Extracted: 3/19/2025 3:00:00 P

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB167231BS	PB167231BS
PB167231BSD	PB167231BSD
WC1	Q1574-01
WC1MS	Q1574-01MS
WC1MSD	Q1574-01MSD

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1	SDG No.:	Q1574
Lab Sample ID:	Q1574-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/19/25 15:00	03/20/25 13:59	PB167231

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	2.32		1	0.14	1.02	mg/kg FF015699.D
Aliphatic C12-C16	Aliphatic C12-C16	1.35		1	0.11	0.68	mg/kg FF015699.D
Aliphatic C16-C21	Aliphatic C16-C21	48.1		10	1.32	10.2	mg/kg FF015703.D
Aliphatic C21-C28	Aliphatic C21-C28	779		50	27.0	67.8	mg/kg FF015704.D
Aliphatic C28-C40	Aliphatic C28-C40	841		50	60.0	101	mg/kg FF015704.D
Aromatic C10-C12	Aromatic C10-C12	4.33		1	0.12	0.68	mg/kg FG015516.D
Aromatic C12-C16	Aromatic C12-C16	4.55		1	0.23	1.02	mg/kg FG015516.D
Aromatic C16-C21	Aromatic C16-C21	10.0		1	0.41	1.70	mg/kg FG015516.D
Aromatic C21-C36	Aromatic C21-C36	5140		250	302	678	mg/kg FG015521.D
Total AliphaticEPH	Total AliphaticEPH	1670			88.6	181	mg/kg
Total AromaticEPH	Total AromaticEPH	5160			303	681	mg/kg
Total EPH	Total EPH	6830			391	862	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:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1	SDG No.:	Q1574
Lab Sample ID:	Q1574-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015699.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	2.32		0.14	1.02	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1.35		0.11	0.68	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	52.6	E	0.13	1.02	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	643	E	0.54	1.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	760	E	1.20	2.03	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	57.4		40 - 140	115%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1574-01	Acq On:	20 Mar 2025 13:59
Client Sample ID:	WC1	Operator:	YP\AJ
Data file:	FF015699.D	Misc:	
Instrument:	FID_F	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	4393564	34.2	300	ug/ml
Aliphatic C12-C16	6.834	10.268	2620444	19.91	200	ug/ml
Aliphatic C16-C21	10.269	13.635	104931728	775.122	300	ug/ml
Aliphatic C21-C28	13.636	17.299	1255702496	9490	400	ug/ml
Aliphatic C28-C40	17.300	22.199	1213036900	11200	600	ug/ml
Aliphatic EPH	3.210	22.199	2580685132	21500		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.378	13.378	6519038	57.44		ug/ml
Aliphatic C9-C28	3.210	17.299	1367648232	10300	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
 Data File : FF015699.D
 Signal(s) : FID2B.ch
 Acq On : 20 Mar 2025 13:59
 Operator : YP\AJ
 Sample : Q1574-01
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 WC1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
 Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
 Quant Time: Mar 20 16:24:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:31:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.378	6519038	57.440 ug/mlm
Spiked Amount	50.000	Recovery	= 114.88%
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015699.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 13:59
Operator : YP\AJ
Sample : Q1574-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

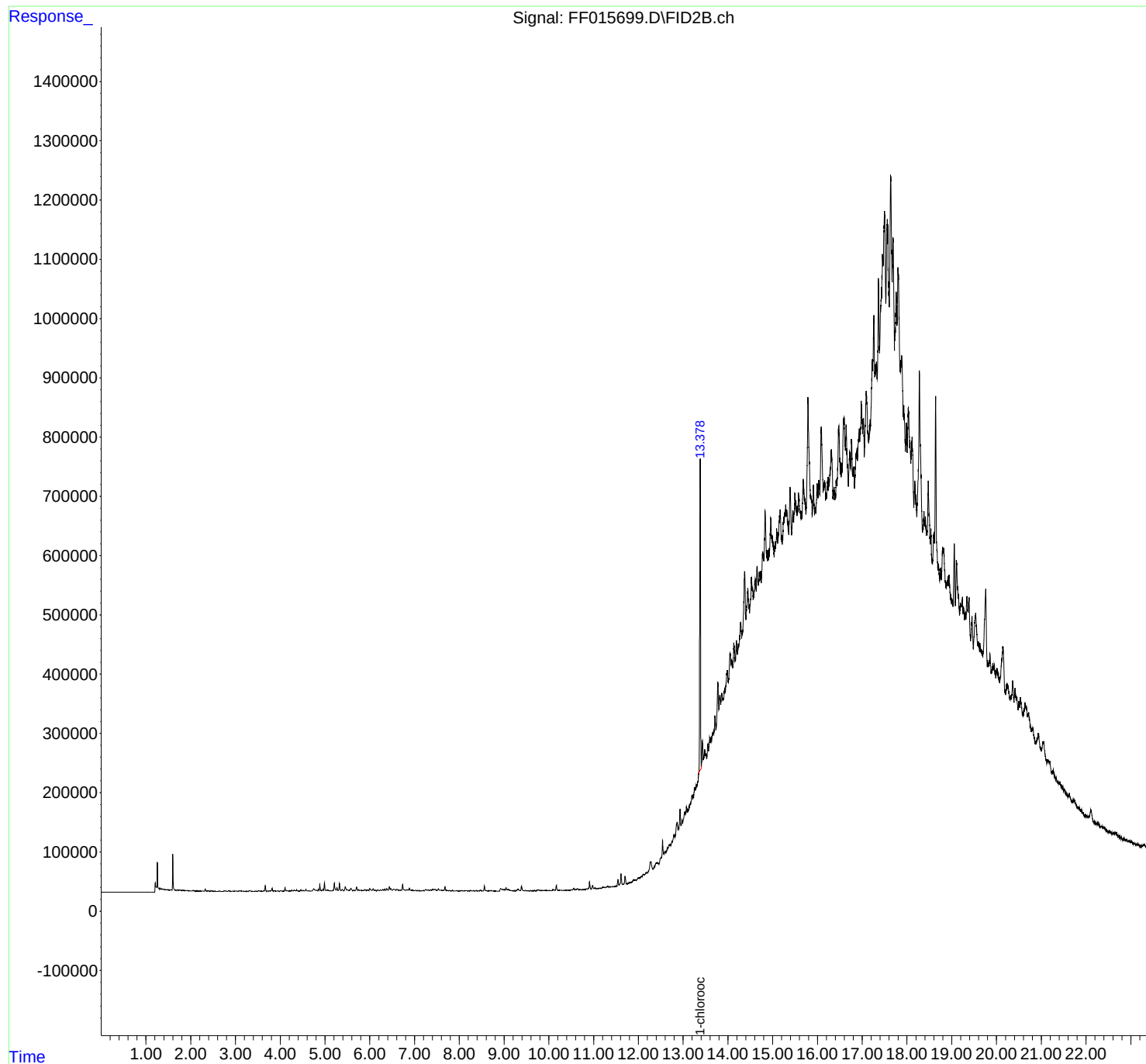
Instrument :
FID_F
ClientSampleId :
WC1

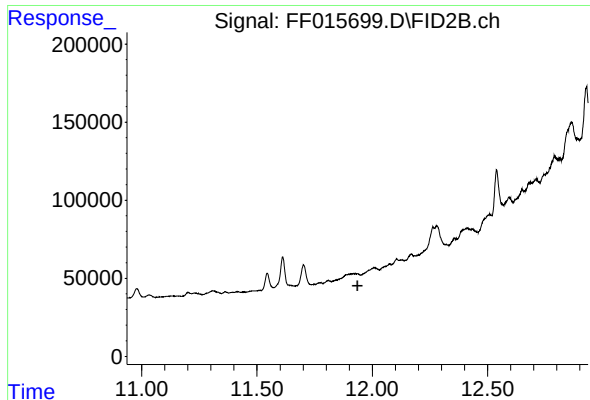
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 20 16:24:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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





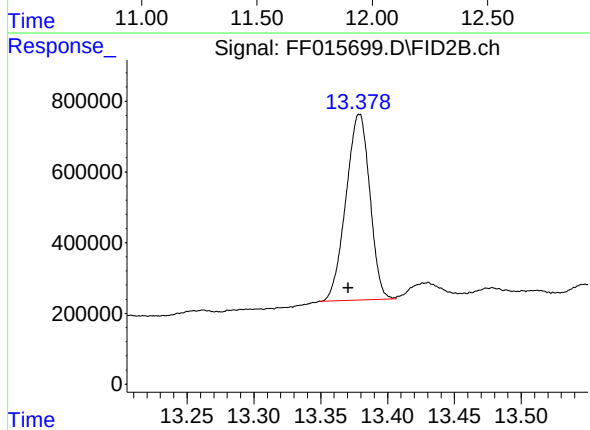
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.936 min
Response: 0
Conc: N.D.

Instrument :
FID_F
ClientSampleId :
WC1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.378 min
Delta R.T.: 0.007 min
Response: 6519038
Conc: 57.44 ug/ml m

rteres

Instrument :

FID_F

ClientSampleId :

WC1

Area Percent Report

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF03202
Data File : FF015699.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 13:59
Sample : Q1574-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	2.851	2.802	2.908	BV	1434	18439	0.02%	0.001%
2	2.948	2.908	2.968	PV	1016	17352	0.02%	0.001%
3	3.019	2.968	3.060	VV	785	26912	0.03%	0.001%
4	3.091	3.060	3.106	VV	1213	22149	0.03%	0.001%
5	3.116	3.106	3.157	VV	827	17087	0.02%	0.001%
6	3.167	3.157	3.222	VV	405	7948	0.01%	0.000%
7	3.238	3.222	3.257	VV	287	3355	0.00%	0.000%
8	3.318	3.257	3.352	VV	1695	37527	0.04%	0.001%
9	3.357	3.352	3.410	VV	331	5770	0.01%	0.000%
10	3.455	3.410	3.475	VV	713	13029	0.02%	0.001%
11	3.485	3.475	3.498	VV	461	4592	0.01%	0.000%
12	3.521	3.498	3.541	VV	1703	22253	0.03%	0.001%
13	3.554	3.541	3.582	VV	685	10483	0.01%	0.000%
14	3.595	3.582	3.612	VV	318	3950	0.00%	0.000%
15	3.631	3.612	3.641	VV	1074	13043	0.02%	0.001%
16	3.666	3.641	3.691	VV	9619	110657	0.13%	0.004%
17	3.702	3.691	3.726	VV	860	12998	0.02%	0.001%
18	3.762	3.726	3.787	VV	1387	29543	0.04%	0.001%
19	3.818	3.787	3.856	VV	5395	81845	0.10%	0.003%
20	3.870	3.856	3.925	VV	1131	27080	0.03%	0.001%
21	3.948	3.925	3.973	VV	1374	19758	0.02%	0.001%
22	4.010	3.973	4.059	VV	1118	30577	0.04%	0.001%
23	4.107	4.059	4.128	VV	6099	76146	0.09%	0.003%
24	4.144	4.128	4.194	VV	1611	37709	0.05%	0.001%
25	4.217	4.194	4.237	VV	1053	20711	0.02%	0.001%
26	4.259	4.237	4.287	VV	2326	37677	0.05%	0.001%
27	4.312	4.287	4.347	VV	2448	49065	0.06%	0.002%
28	4.368	4.347	4.419	VV	2409	52695	0.06%	0.002%
29	4.462	4.419	4.484	VV	2807	46491	0.06%	0.002%
30	4.509	4.484	4.533	VV	2014	36661	0.04%	0.001%
31	4.572	4.533	4.613	VV	3592	68259	0.08%	0.003%
32	4.641	4.613	4.672	VV	1083	27139	0.03%	0.001%
33	4.695	4.672	4.708	VV	843	13582	0.02%	0.001%
34	4.747	4.708	4.805	VV	4327	142450	0.17%	0.005%
35	4.816	4.805	4.835	VV	2041	29156	0.03%	0.001%
36	4.851	4.835	4.865	VV	3633	41897	0.05%	0.002%

					retention			
37	4.885	4.865	4.937	VV	9465	146900	0.18%	0.006%
38	4.956	4.937	4.969	VV	4204	50444		
39	4.989	4.969	5.022	VV	14411	182387		
40	5.048	5.022	5.066	VV	2895	50015		
41	5.078	5.066	5.103	VV	2022	32637		
42	5.121	5.103	5.159	VV	1282	31801		
43	5.180	5.159	5.188	VV	2302	27427	0.03%	0.001%
44	5.208	5.188	5.250	VV	13892	213286	0.26%	0.008%
45	5.268	5.250	5.294	VV	6160	91603	0.11%	0.004%
46	5.324	5.294	5.356	VV	13888	185697	0.22%	0.007%
47	5.391	5.356	5.417	VV	3294	79784	0.10%	0.003%
48	5.453	5.417	5.483	VV	7960	152365	0.18%	0.006%
49	5.496	5.483	5.531	VV	2947	64942	0.08%	0.003%
50	5.576	5.531	5.624	VV	4793	149417	0.18%	0.006%
51	5.643	5.624	5.660	VV	2472	36051	0.04%	0.001%
52	5.706	5.660	5.732	VV	7499	142975	0.17%	0.006%
53	5.748	5.732	5.766	VV	3165	44249	0.05%	0.002%
54	5.782	5.766	5.812	VV	1990	45073	0.05%	0.002%
55	5.827	5.812	5.842	VV	1763	28007	0.03%	0.001%
56	5.854	5.842	5.866	VV	1586	19334	0.02%	0.001%
57	5.889	5.866	5.918	VV	3250	67404	0.08%	0.003%
58	5.952	5.918	5.980	VV	2225	68768	0.08%	0.003%
59	5.999	5.980	6.052	VV	4836	118583	0.14%	0.005%
60	6.076	6.052	6.100	VV	4296	76044	0.09%	0.003%
61	6.133	6.100	6.153	VV	1992	51018	0.06%	0.002%
62	6.181	6.153	6.212	VV	2846	57311	0.07%	0.002%
63	6.238	6.212	6.272	VV	2802	63646	0.08%	0.002%
64	6.293	6.272	6.311	VV	3261	57212	0.07%	0.002%
65	6.335	6.311	6.358	VV	3814	73099	0.09%	0.003%
66	6.380	6.358	6.412	VV	4804	93821	0.11%	0.004%
67	6.438	6.412	6.458	VV	7700	131512	0.16%	0.005%
68	6.470	6.458	6.498	VV	4660	82423	0.10%	0.003%
69	6.534	6.498	6.585	VV	3472	146174	0.17%	0.006%
70	6.605	6.585	6.665	VV	3621	114635	0.14%	0.004%
71	6.682	6.665	6.708	VV	1871	41877	0.05%	0.002%
72	6.735	6.708	6.802	VV	11590	221296	0.26%	0.009%
73	6.821	6.802	6.839	VV	2777	48249	0.06%	0.002%
74	6.855	6.839	6.869	VV	2869	42206	0.05%	0.002%
75	6.886	6.869	6.909	VV	5032	74368	0.09%	0.003%
76	6.921	6.909	6.940	VV	2415	35245	0.04%	0.001%
77	6.960	6.940	6.995	VV	2647	52263	0.06%	0.002%
78	7.023	6.995	7.048	VV	1769	41138	0.05%	0.002%
79	7.068	7.048	7.087	VV	1660	29727	0.04%	0.001%
80	7.101	7.087	7.116	VV	1272	17226	0.02%	0.001%
81	7.130	7.116	7.158	VV	1020	21006	0.03%	0.001%
82	7.188	7.158	7.219	VV	1428	35029	0.04%	0.001%
83	7.246	7.219	7.283	VV	3136	81998	0.10%	0.003%
84	7.308	7.283	7.334	VV	2690	53598	0.06%	0.002%
85	7.355	7.334	7.381	VV	2637	55822	0.07%	0.002%
86	7.411	7.381	7.435	VV	3846	85554	0.10%	0.003%
87	7.453	7.435	7.496	VV	3661	92348	0.11%	0.004%
88	7.535	7.496	7.565	VV	4192	97535	0.12%	0.004%
89	7.581	7.565	7.632	VV	1927	66994	0.08%	0.003%

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90	7.641	7.632	7.658	VV	1655	23557	0.03%	0.001%
91	7.681	7.658	7.754	VV	7519	133940		
92	7.771	7.754	7.829	VV	1347	42145		
93	7.853	7.829	7.878	VV	1174	24714		
94	7.894	7.878	7.913	VV	590	10757		
95	7.943	7.913	7.982	VV	1514	28736		
96	7.997	7.982	8.008	VV	450	5617	0.01%	0.000%
97	8.045	8.008	8.064	VV	1187	27401	0.03%	0.001%
98	8.075	8.064	8.097	VV	966	14543	0.02%	0.001%
99	8.115	8.097	8.126	VV	718	10756	0.01%	0.000%
100	8.144	8.126	8.195	VV	1101	32358	0.04%	0.001%
101	8.209	8.195	8.232	VV	957	13083	0.02%	0.001%
102	8.254	8.232	8.275	VV	1708	22205	0.03%	0.001%
103	8.311	8.275	8.336	VV	1308	25139	0.03%	0.001%
104	8.379	8.336	8.413	VV	1325	28139	0.03%	0.001%
105	8.429	8.413	8.437	VV	453	5396	0.01%	0.000%
106	8.473	8.437	8.528	VV	1982	48880	0.06%	0.002%
107	8.562	8.528	8.642	VV	8633	134385	0.16%	0.005%
108	8.675	8.642	8.690	VV	804	19503	0.02%	0.001%
109	8.712	8.690	8.737	VV	1025	20908	0.03%	0.001%
110	8.755	8.737	8.775	VV	550	9386	0.01%	0.000%
111	8.796	8.775	8.843	VV	777	12849	0.02%	0.000%
112	8.852	8.843	8.872	VV	106	1131	0.00%	0.000%
113	8.925	8.872	9.005	PV	4736	185867	0.22%	0.007%
114	9.045	9.005	9.081	VV	5628	139621	0.17%	0.005%
115	9.100	9.081	9.140	VV	3347	71986	0.09%	0.003%
116	9.157	9.140	9.196	VV	1107	25958	0.03%	0.001%
117	9.216	9.196	9.241	VV	778	15249	0.02%	0.001%
118	9.255	9.241	9.264	VV	526	6513	0.01%	0.000%
119	9.317	9.264	9.363	VV	2882	96861	0.12%	0.004%
120	9.390	9.363	9.455	VV	8291	139296	0.17%	0.005%
121	9.475	9.455	9.505	VV	1125	17952	0.02%	0.001%
122	9.523	9.505	9.554	VV	458	7748	0.01%	0.000%
123	9.576	9.554	9.595	PV	368	4831	0.01%	0.000%
124	9.610	9.595	9.638	VV	214	4570	0.01%	0.000%
125	9.689	9.638	9.712	VV	566	14149	0.02%	0.001%
126	9.757	9.712	9.793	VV	1936	47350	0.06%	0.002%
127	9.807	9.793	9.822	VV	776	10599	0.01%	0.000%
128	9.848	9.822	9.873	VV	872	19456	0.02%	0.001%
129	9.894	9.873	9.931	VV	1181	19995	0.02%	0.001%
130	9.948	9.931	9.993	VV	958	12969	0.02%	0.001%
131	10.011	9.993	10.061	VV	241	5416	0.01%	0.000%
132	10.091	10.061	10.108	PV	2690	33874	0.04%	0.001%
133	10.120	10.108	10.144	VV	1408	23436	0.03%	0.001%
134	10.169	10.144	10.218	VV	9417	124507	0.15%	0.005%
135	10.238	10.218	10.259	VV	768	14656	0.02%	0.001%
136	10.271	10.259	10.302	VV	603	8553	0.01%	0.000%
137	10.340	10.302	10.355	VV	260	3747	0.00%	0.000%
138	10.400	10.355	10.427	VV	294	7785	0.01%	0.000%
139	10.447	10.427	10.463	VV	365	3867	0.00%	0.000%
140	10.517	10.463	10.530	PV	885	21548	0.03%	0.001%
141	10.557	10.530	10.581	VV	3359	52589	0.06%	0.002%

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				rters			
142	10.604	10.581	10.619	VV	1571	24997	0.03% 0.001%
143	10.640	10.619	10.681	VV	2418	46562	
144	10.702	10.681	10.732	VV	979	14389	
145	10.767	10.732	10.782	PV	502	6112	
146	10.839	10.782	10.857	VV	1405	24174	
147	10.908	10.857	10.944	VV	12645	186163	
148	10.979	10.944	11.008	VV	6065	96024	0.11% 0.004%
149	11.033	11.008	11.058	VV	1692	27699	0.03% 0.001%
150	11.130	11.058	11.145	VV	482	12312	0.01% 0.000%
151	11.156	11.145	11.172	VV	293	3206	0.00% 0.000%
152	11.202	11.172	11.216	PV	2303	30967	0.04% 0.001%
153	11.231	11.216	11.265	VV	1800	38691	0.05% 0.001%
154	11.308	11.265	11.346	VV	2793	83521	0.10% 0.003%
155	11.363	11.346	11.378	VV	1903	25838	0.03% 0.001%
156	11.417	11.378	11.451	VV	1626	54762	0.07% 0.002%
157	11.544	11.451	11.572	VV	12633	269171	0.32% 0.010%
158	11.612	11.572	11.662	VV	22616	448257	0.54% 0.017%
159	11.702	11.662	11.736	VV	17098	366772	0.44% 0.014%
160	11.773	11.736	11.786	VV	5205	139682	0.17% 0.005%
161	11.809	11.786	11.824	VV	6447	131355	0.16% 0.005%
162	11.919	11.824	11.950	VV	10291	652295	0.78% 0.025%
163	12.009	11.950	12.031	VV	13494	568110	0.68% 0.022%
164	12.076	12.031	12.085	VV	15430	455035	0.54% 0.018%
165	12.106	12.085	12.138	VV	18606	554032	0.66% 0.021%
166	12.169	12.138	12.192	VV	21241	624112	0.75% 0.024%
167	12.280	12.192	12.330	VV	38819	2370001	2.84% 0.091%
168	12.357	12.330	12.367	VV	30197	627781	0.75% 0.024%
169	12.413	12.367	12.458	VV	36517	1888418	2.26% 0.073%
170	12.510	12.458	12.517	VV	44680	1439934	1.72% 0.056%
171	12.539	12.517	12.568	VV	73051	1769902	2.12% 0.068%
172	12.593	12.568	12.611	VV	55127	1364637	1.63% 0.053%
173	12.711	12.611	12.728	VV	66213	4237639	5.07% 0.163%
174	12.791	12.728	12.820	VV	80467	4075977	4.88% 0.157%
175	12.864	12.820	12.899	VV	101734	4349148	5.21% 0.168%
176	12.928	12.899	12.955	VV	123561	3515257	4.21% 0.136%
177	12.978	12.955	12.995	VV	103833	2434131	2.91% 0.094%
178	13.034	12.995	13.048	VV	117186	3569392	4.27% 0.138%
179	13.074	13.048	13.098	VV	125561	3638555	4.36% 0.140%
180	13.201	13.098	13.223	VV	145032	9852510	11.79% 0.380%
181	13.261	13.223	13.274	VV	158982	4619105	5.53% 0.178%
182	13.379	13.274	13.405	VV	713099	20277644	24.27% 0.782%
183	13.429	13.405	13.455	VV	234530	6463433	7.74% 0.249%
184	13.478	13.455	13.496	VV	220849	5300119	6.34% 0.204%
185	13.511	13.496	13.526	VV	213495	3757961	4.50% 0.145%
186	13.549	13.526	13.568	VV	229931	5554754	6.65% 0.214%
187	13.592	13.568	13.606	VV	240469	5312064	6.36% 0.205%
188	13.619	13.606	13.631	VV	239570	3531039	4.23% 0.136%
189	13.709	13.631	13.730	VV	275160	14870254	17.80% 0.573%
190	13.774	13.730	13.797	VV	333004	11929903	14.28% 0.460%
191	13.819	13.797	13.838	VV	309476	7273690	8.71% 0.280%
192	13.861	13.838	13.879	VV	314236	7639425	9.14% 0.295%
193	13.984	13.879	14.008	VV	351949	25152538	30.11% 0.970%
194	14.050	14.008	14.069	VV	379196	13244306	15.85% 0.511%

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							Instrument : FID_F	
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rteres							10.10% 0.325%	
195	14.082	14.069	14.108	VV	368652	8440007	Manual IntegrationsAPPROVED	
196	14.133	14.108	14.158	VV	394079	11375771		
197	14.189	14.158	14.214	VV	397789	12705588		
198	14.281	14.214	14.309	VV	430000	23107857	Reviewed By :Yogesh Patel 03/21/2025	
199	14.372	14.309	14.401	VV	515222	25137939	Supervised By :mohammad ahmed 03/24/2025	
200	14.445	14.401	14.481	VV	481771	22219393		
201	14.524	14.481	14.565	VV	503599	24030789	28.77%	0.927%
202	14.612	14.565	14.631	VV	500743	19190887	22.97%	0.740%
203	14.650	14.631	14.675	VV	522769	13426482	16.07%	0.518%
204	14.702	14.675	14.719	VV	510676	13202762	15.80%	0.509%
205	14.773	14.719	14.801	VV	545111	25955860	31.07%	1.001%
206	14.831	14.801	14.861	VV	611759	20591587	24.65%	0.794%
207	14.870	14.861	14.885	VV	547640	7725194	9.25%	0.298%
208	14.896	14.885	14.924	VV	547956	12541468	15.01%	0.484%
209	14.957	14.924	14.985	VV	601125	21023429	25.17%	0.811%
210	14.992	14.985	15.031	VV	569326	15292747	18.31%	0.590%
211	15.056	15.031	15.064	VV	559501	11137305	13.33%	0.429%
212	15.089	15.064	15.109	VV	577544	15422886	18.46%	0.595%
213	15.166	15.109	15.215	VV	613954	36930701	44.21%	1.424%
214	15.246	15.215	15.258	VV	601464	15253882	18.26%	0.588%
215	15.290	15.258	15.312	VV	622999	19548828	23.40%	0.754%
216	15.317	15.312	15.358	VV	608539	16609292	19.88%	0.640%
217	15.388	15.358	15.421	VV	651955	22873475	27.38%	0.882%
218	15.447	15.421	15.468	VV	611231	17025325	20.38%	0.657%
219	15.496	15.468	15.544	VV	640542	28264744	33.83%	1.090%
220	15.578	15.544	15.638	VV	638356	34500386	41.30%	1.330%
221	15.684	15.638	15.744	VV	660486	39772084	47.61%	1.534%
222	15.788	15.744	15.884	VV	797864	56837350	68.04%	2.192%
223	15.910	15.884	15.936	VV	654128	19463695	23.30%	0.751%
224	15.951	15.936	15.961	VV	610371	9092893	10.88%	0.351%
225	15.994	15.961	16.011	VV	650785	19327644	23.14%	0.745%
226	16.029	16.011	16.048	VV	657173	14327637	17.15%	0.552%
227	16.083	16.048	16.132	VV	748383	34428055	41.21%	1.328%
228	16.157	16.132	16.201	VV	656016	26961025	32.27%	1.040%
229	16.230	16.201	16.242	VV	662195	15693361	18.79%	0.605%
230	16.250	16.242	16.256	VV	660853	5820079	6.97%	0.224%
231	16.311	16.256	16.348	VV	708763	37185565	44.51%	1.434%
232	16.370	16.348	16.394	VV	644044	17387884	20.81%	0.670%
233	16.429	16.394	16.437	VV	656920	16646879	19.93%	0.642%
234	16.477	16.437	16.507	VV	748355	29857054	35.74%	1.151%
235	16.517	16.507	16.533	VV	687108	10297370	12.33%	0.397%
236	16.597	16.533	16.622	VV	762207	38433676	46.01%	1.482%
237	16.641	16.622	16.689	VV	748521	28231941	33.79%	1.089%
238	16.720	16.689	16.743	VV	703839	22233658	26.61%	0.857%
239	16.762	16.743	16.798	VV	720901	22976295	27.50%	0.886%
240	16.809	16.798	16.828	VV	676491	11725533	14.04%	0.452%
241	16.882	16.828	16.895	VV	707446	27645336	33.09%	1.066%
242	16.935	16.895	16.945	VV	732356	21665752	25.93%	0.835%
243	16.980	16.945	17.009	VV	786007	28856173	34.54%	1.113%
244	17.027	17.009	17.047	VV	757996	16794472	20.10%	0.648%
245	17.089	17.047	17.143	VV	802484	43716649	52.33%	1.686%
246	17.226	17.143	17.237	VV	856395	43573409	52.16%	1.680%

Instrument : FID_F								
ClientSampleId : WC1								
rteres								
247	17.258	17.237	17.280	VV	927761	23106327	27.66%	0.891%
248	17.319	17.280	17.333	VV	850639	26321494	31.34%	0.891%
249	17.363	17.333	17.387	VV	988595	29197522	34.34%	0.891%
250	17.500	17.387	17.526	VV	1099819	83541233	100.00%	0.891%
251	17.557	17.526	17.605	VV	1087213	48438005	57.68%	1.246%
252	17.634	17.605	17.667	VV	1161163	39849615	47.34%	1.203%
253	17.687	17.667	17.722	VV	1055808	32317438	38.68%	1.246%
254	17.759	17.722	17.778	VV	958484	31192179	37.34%	1.203%
255	17.800	17.778	17.853	VV	1003511	41688096	49.90%	1.608%
256	17.880	17.853	17.918	VV	858278	32374746	38.75%	1.248%
257	17.930	17.918	17.965	VV	770505	20925079	25.05%	0.807%
258	17.986	17.965	18.005	VV	742821	17093132	20.46%	0.659%
259	18.031	18.005	18.083	VV	766911	34178167	40.91%	1.318%
260	18.112	18.083	18.152	VV	717426	28328195	33.91%	1.092%
261	18.175	18.152	18.219	VV	645505	24637631	29.49%	0.950%
262	18.277	18.219	18.362	VV	831282	56232882	67.31%	2.168%
263	18.378	18.362	18.395	VV	592824	11673694	13.97%	0.450%
264	18.411	18.395	18.448	VV	583299	18087040	21.65%	0.697%
265	18.474	18.448	18.521	VV	643024	25582440	30.62%	0.986%
266	18.534	18.521	18.562	VV	559459	13087699	15.67%	0.505%
267	18.602	18.562	18.612	VV	554286	16053518	19.22%	0.619%
268	18.639	18.612	18.732	VV	785034	40268307	48.20%	1.553%
269	18.754	18.732	18.768	VV	492792	10598988	12.69%	0.409%
270	18.799	18.768	18.881	VV	528634	33785249	40.44%	1.303%
271	18.916	18.881	18.924	VV	480060	12327234	14.76%	0.475%
272	18.938	18.924	19.027	VV	480033	27839930	33.32%	1.074%
273	19.056	19.027	19.081	VV	535140	15600865	18.67%	0.602%
274	19.106	19.081	19.174	VV	505850	25471750	30.49%	0.982%
275	19.195	19.174	19.218	VV	431834	11470570	13.73%	0.442%
276	19.235	19.218	19.285	VV	442217	17005701	20.36%	0.656%
277	19.294	19.285	19.318	VV	415379	8201380	9.82%	0.316%
278	19.342	19.318	19.368	VV	442281	13020205	15.59%	0.502%
279	19.384	19.368	19.420	VV	436820	12768593	15.28%	0.492%
280	19.451	19.420	19.481	VV	410404	14167661	16.96%	0.546%
281	19.535	19.481	19.619	VV	413637	31319411	37.49%	1.208%
282	19.630	19.619	19.695	VV	365080	16108651	19.28%	0.621%
283	19.758	19.695	19.817	VV	454653	27573983	33.01%	1.063%
284	19.854	19.817	19.884	VV	344518	13241260	15.85%	0.511%
285	19.950	19.884	19.988	VV	326969	19858656	23.77%	0.766%
286	20.004	19.988	20.071	VV	318333	15329008	18.35%	0.591%
287	20.145	20.071	20.200	VV	355793	24717880	29.59%	0.953%
288	20.241	20.200	20.298	VV	292819	16633694	19.91%	0.641%
289	20.318	20.298	20.331	VV	270737	5245078	6.28%	0.202%
290	20.362	20.331	20.388	VV	295998	9599140	11.49%	0.370%
291	20.411	20.388	20.482	VV	282134	14977665	17.93%	0.578%
292	20.499	20.482	20.518	VV	261923	5519155	6.61%	0.213%
293	20.535	20.518	20.593	VV	267919	11382917	13.63%	0.439%
294	20.636	20.593	20.709	VV	257350	17152298	20.53%	0.661%
295	20.719	20.709	20.785	VV	240099	10144789	12.14%	0.391%
296	20.808	20.785	20.862	VV	215239	9445548	11.31%	0.364%
297	20.875	20.862	20.885	VV	191848	2627988	3.15%	0.101%
298	20.929	20.885	20.999	VV	204873	13091734	15.67%	0.505%
299	21.035	20.999	21.128	VV	190842	13528247	16.19%	0.522%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Instrument :

FID_F

ClientSampleId :

WC1

300	21.138	21.128	21.243	VV	159438	10378382	12.42%	0.400%
301	21.268	21.243	21.356	VV	140534	8836586	10.00%	0.000%
302	21.371	21.356	21.473	VV	122541	8212297	9.00%	0.000%
303	21.481	21.473	21.604	VV	112201	8046718	8.00%	0.000%
304	21.620	21.604	21.676	VV	99659	4006055	4.00%	0.000%
305	21.685	21.676	21.704	VV	86794	1443539	1.00%	0.000%
306	21.718	21.704	21.802	VV	87619	4879743	5.84%	0.188%
307	21.812	21.802	21.821	VV	75965	886165	1.06%	0.034%
308	21.836	21.821	21.884	VV	76055	2711237	3.25%	0.105%
309	21.896	21.884	21.962	VV	70845	3096234	3.71%	0.119%
310	21.971	21.962	22.056	VV	61690	3337715	4.00%	0.129%
311	22.112	22.056	22.185	VV	69731	4496271	5.38%	0.173%
312	22.196	22.185	22.254	VV	48265	1882618	2.25%	0.073%
313	22.270	22.254	22.323	VV	46601	1781294	2.13%	0.069%
314	22.331	22.323	22.339	VV	39830	383737	0.46%	0.015%
315	22.348	22.339	22.376	VV	39679	869658	1.04%	0.034%
316	22.393	22.376	22.536	VV	38978	3162108	3.79%	0.122%
317	22.551	22.536	22.589	VV	29965	899558	1.08%	0.035%
318	22.607	22.589	22.637	VV	27936	772907	0.93%	0.030%
319	22.654	22.637	22.835	VV	27251	2490745	2.98%	0.096%
320	22.844	22.835	22.895	VV	15736	523682	0.63%	0.020%
321	22.904	22.895	22.958	VV	14171	469171	0.56%	0.018%
322	22.964	22.958	23.054	VV	11714	567093	0.68%	0.022%
323	23.065	23.054	23.108	VV	7857	204808	0.25%	0.008%
324	23.118	23.108	23.228	VV	6192	258784	0.31%	0.010%
325	23.253	23.228	23.260	PV	2369	26266	0.03%	0.001%
326	23.310	23.260	23.337	VBA	3810	94560	0.11%	0.004%
Sum of corrected areas:					2593299397			

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Aliphatic EPH 031725.M Thu Mar 20 14:22:15 2025

Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1	SDG No.:	Q1574
Lab Sample ID:	Q1574-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015516.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.33		0.12	0.68	mg/kg
Aromatic C12-C16	Aromatic C12-C16	4.55		0.23	1.02	mg/kg
Aromatic C16-C21	Aromatic C16-C21	10.0		0.41	1.70	mg/kg
Aromatic C21-C36	Aromatic C21-C36	5470	E	1.21	2.71	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.9		40 - 140	102%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	47.8		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.1		40 - 140	56%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1574-01	Acq On:	20 Mar 2025 13:59
Client Sample ID:	WC1	Operator:	YP\AJ
Data file:	FG015516.D	Misc:	
Instrument:	FID_G	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.457	6.336	8559667	63.88	200	ug/ml
Aromatic C12-C16	6.337	9.043	9205900	67.122	300	ug/ml
Aromatic C16-C21	9.044	13.372	20634275	148.011	500	ug/ml
Aromatic C21-C36	13.373	18.832	10490992147	80600	800	ug/ml
Aromatic EPH	4.457	18.832	10529391989	80900		ug/ml
2-Bromonaphthalene (SURRE)	7.968	7.968	6217170	50.9		ug/ml
2-Fluorobiphenyl (SURRE)	8.845	8.845	3950549	47.79		ug/ml
ortho-Terphenyl (SURRE)	11.938	11.938	4104130	28.14		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
 Data File : FG015516.D
 Signal(s) : FID1A.ch
 Acq On : 20 Mar 2025 13:59
 Operator : YP\AJ
 Sample : Q1574-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 WC1

Integration File: autoint1.e
 Quant Time: Mar 21 01:00:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:13:04 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...	7.968	6217170	50.896 ug/ml
Spiked Amount 50.000		Recovery =	101.79%
6) S 2-Fluorobiphenyl (SURR)	8.845	3950549	47.794 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	95.59%
11) S ortho-Terphenyl (SURR)	11.938	4104130	28.143 ug/ml
Spiked Amount 50.000		Recovery =	56.29%

Target Compounds

(f)=RT Delta > 1/2 Window

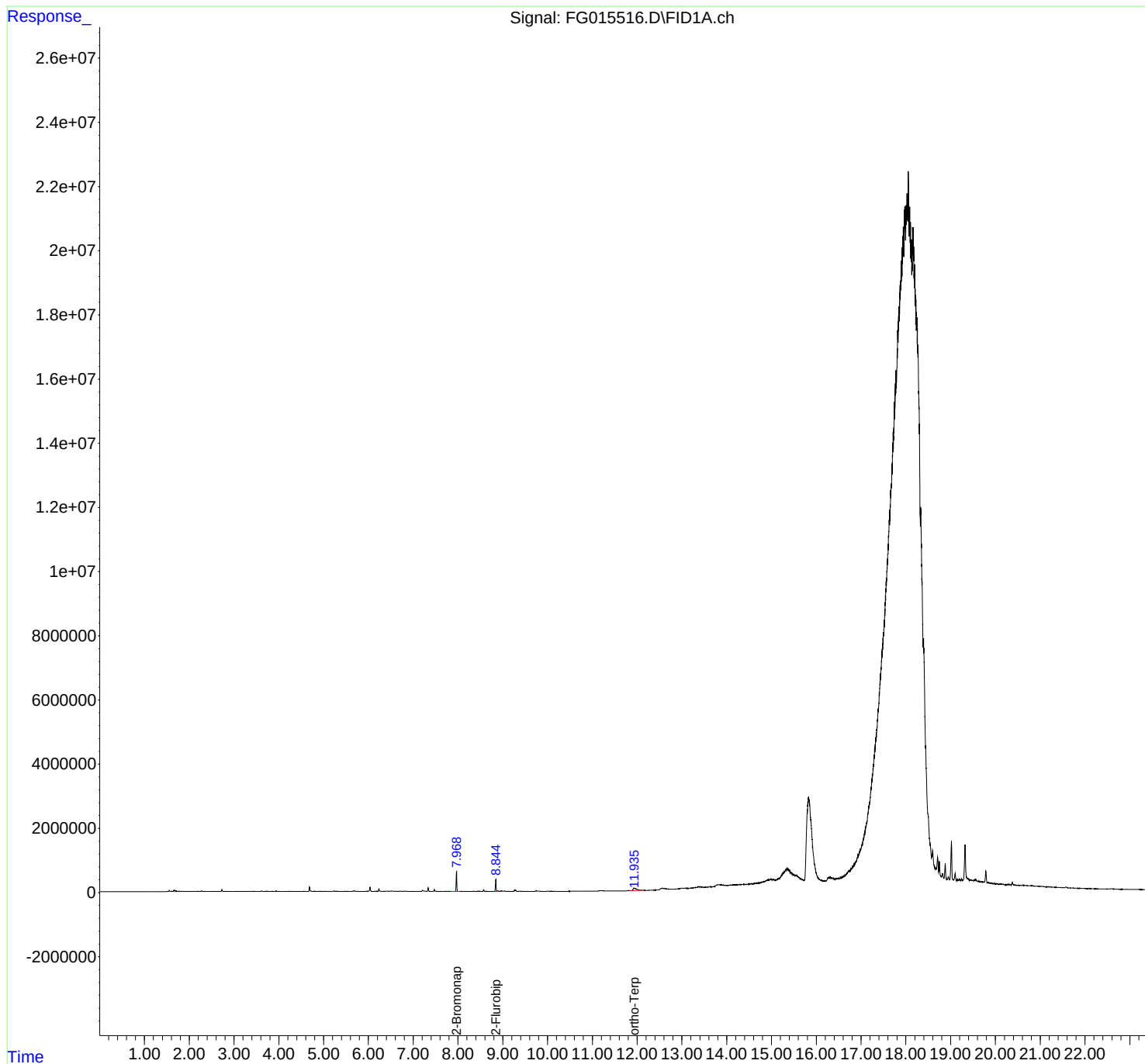
(m)=manual int.

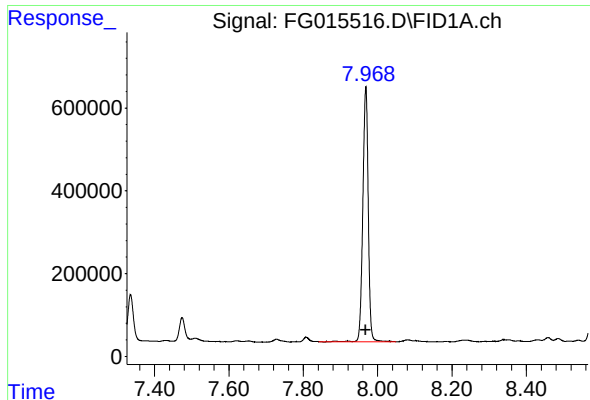
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015516.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 13:59
Operator : YP\AJ
Sample : Q1574-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WC1

Integration File: autoint1.e
Quant Time: Mar 21 01:00:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

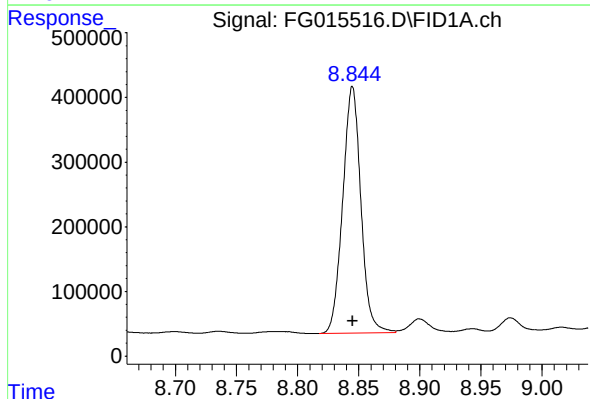




#4 2-Bromonaphthalene (SURR)

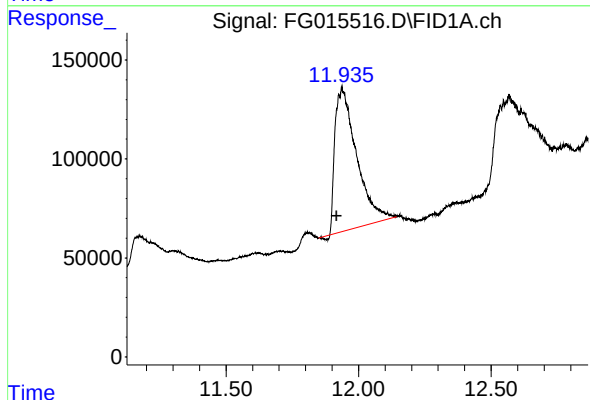
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 6217170
Conc: 50.90 ug/ml

Instrument :
FID_G
ClientSampleId :
WC1



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.845 min
Delta R.T.: 0.000 min
Response: 3950549
Conc: 47.79 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.938 min
Delta R.T.: 0.020 min
Response: 4104130
Conc: 28.14 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
 Data File : FG015516.D
 Signal(s) : FID1A.ch
 Acq On : 20 Mar 2025 13:59
 Sample : Q1574-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.352	4.341	4.372	PV	268	2398	0.00%	0.000%
2	4.383	4.372	4.398	PV	347	3189	0.00%	0.000%
3	4.459	4.398	4.500	VV	1099	25240	0.00%	0.000%
4	4.523	4.500	4.541	PV	3581	41886	0.00%	0.000%
5	4.559	4.541	4.582	VV	6556	75580	0.00%	0.001%
6	4.599	4.582	4.611	VV	1370	16787	0.00%	0.000%
7	4.632	4.611	4.664	VV	3254	62770	0.00%	0.001%
8	4.687	4.664	4.761	VV	143212	1778881	0.04%	0.017%
9	4.775	4.761	4.792	VV	7183	97875	0.00%	0.001%
10	4.808	4.792	4.827	VV	8742	111564	0.00%	0.001%
11	4.841	4.827	4.863	VV	3056	52160	0.00%	0.000%
12	4.893	4.863	4.926	VV	9274	188681	0.00%	0.002%
13	4.942	4.926	4.967	VV	6630	102612	0.00%	0.001%
14	4.987	4.967	5.006	VV	2353	48160	0.00%	0.000%
15	5.024	5.006	5.065	VV	10366	141498	0.00%	0.001%
16	5.105	5.065	5.122	VV	2959	55965	0.00%	0.001%
17	5.138	5.122	5.153	VV	1795	28190	0.00%	0.000%
18	5.181	5.153	5.193	VV	4371	74934	0.00%	0.001%
19	5.201	5.193	5.210	VV	3603	34512	0.00%	0.000%
20	5.229	5.210	5.261	VV	20600	308514	0.01%	0.003%
21	5.279	5.261	5.300	VV	8511	143661	0.00%	0.001%
22	5.313	5.300	5.333	VV	8595	99960	0.00%	0.001%
23	5.347	5.333	5.359	VV	2761	31088	0.00%	0.000%
24	5.370	5.359	5.398	VV	2847	45738	0.00%	0.000%
25	5.414	5.398	5.449	VV	2194	42919	0.00%	0.000%
26	5.471	5.449	5.501	VV	11263	136851	0.00%	0.001%
27	5.522	5.501	5.566	VV	6460	108864	0.00%	0.001%
28	5.576	5.566	5.582	VV	1575	12612	0.00%	0.000%
29	5.605	5.582	5.640	VV	4916	94279	0.00%	0.001%
30	5.661	5.640	5.677	VV	18568	217228	0.00%	0.002%
31	5.694	5.677	5.727	VV	27380	373627	0.01%	0.004%
32	5.746	5.727	5.810	VV	6173	155546	0.00%	0.001%
33	5.825	5.810	5.842	VV	3665	41055	0.00%	0.000%
34	5.860	5.842	5.878	VV	5648	72430	0.00%	0.001%
35	5.892	5.878	5.905	VV	4091	52362	0.00%	0.000%
36	5.913	5.905	5.936	VV	3143	44463	0.00%	0.000%

rteres								
37	5.957	5.936	5.971	VV	12240	141868	0.00%	0.001%
38	5.983	5.971	5.999	VV	9575	112271	0.00%	0.001%
39	6.037	5.999	6.082	VV	133587	1815506	0.04%	0.017%
40	6.092	6.082	6.124	VV	5050	108077	0.00%	0.001%
41	6.143	6.124	6.169	VV	10307	159155	0.00%	0.002%
42	6.203	6.169	6.217	VV	7322	150550	0.00%	0.001%
43	6.236	6.217	6.264	VV	87649	959819	0.02%	0.009%
44	6.278	6.264	6.322	VV	9746	193929	0.00%	0.002%
45	6.349	6.322	6.367	VV	9254	136489	0.00%	0.001%
46	6.402	6.367	6.413	VV	9217	181662	0.00%	0.002%
47	6.425	6.413	6.434	VV	9608	110843	0.00%	0.001%
48	6.442	6.434	6.460	VV	9561	120218	0.00%	0.001%
49	6.511	6.460	6.554	VV	16328	560651	0.01%	0.005%
50	6.566	6.554	6.602	VV	8266	177129	0.00%	0.002%
51	6.618	6.602	6.626	VV	6995	81147	0.00%	0.001%
52	6.637	6.626	6.668	VV	7456	138401	0.00%	0.001%
53	6.703	6.668	6.713	VV	10171	175506	0.00%	0.002%
54	6.725	6.713	6.754	VV	12276	191276	0.00%	0.002%
55	6.764	6.754	6.770	VV	3591	33840	0.00%	0.000%
56	6.791	6.770	6.799	VV	6164	85030	0.00%	0.001%
57	6.816	6.799	6.837	VV	9328	159950	0.00%	0.002%
58	6.855	6.837	6.883	VV	7291	131266	0.00%	0.001%
59	6.905	6.883	6.920	VV	4754	76359	0.00%	0.001%
60	6.931	6.920	6.951	VV	3687	44050	0.00%	0.000%
61	6.986	6.951	7.010	VV	5908	92074	0.00%	0.001%
62	7.051	7.010	7.078	VV	4078	85039	0.00%	0.001%
63	7.086	7.078	7.094	VV	1191	10165	0.00%	0.000%
64	7.140	7.094	7.173	VV	4136	116684	0.00%	0.001%
65	7.207	7.173	7.309	VV	41355	1036617	0.02%	0.010%
66	7.336	7.309	7.397	VV	115429	1310738	0.03%	0.012%
67	7.402	7.397	7.413	VV	2670	22694	0.00%	0.000%
68	7.431	7.413	7.448	VV	4468	69627	0.00%	0.001%
69	7.474	7.448	7.498	VV	59863	674487	0.01%	0.006%
70	7.510	7.498	7.581	VV	9753	202865	0.00%	0.002%
71	7.590	7.581	7.603	VV	1462	17659	0.00%	0.000%
72	7.621	7.603	7.638	VV	3615	48624	0.00%	0.000%
73	7.653	7.638	7.677	VV	2999	40157	0.00%	0.000%
74	7.689	7.677	7.705	VV	565	7540	0.00%	0.000%
75	7.728	7.705	7.765	VV	6987	108002	0.00%	0.001%
76	7.781	7.765	7.789	VV	1289	13830	0.00%	0.000%
77	7.808	7.789	7.857	VV	12143	153518	0.00%	0.001%
78	7.886	7.857	7.903	VV	2553	40741	0.00%	0.000%
79	7.919	7.903	7.935	VV	2774	37973	0.00%	0.000%
80	7.968	7.935	8.025	VV	620304	6240621	0.12%	0.059%
81	8.031	8.025	8.055	VV	2035	29335	0.00%	0.000%
82	8.080	8.055	8.097	VV	5566	88115	0.00%	0.001%
83	8.102	8.097	8.151	VV	3589	58721	0.00%	0.001%
84	8.160	8.151	8.171	VV	1131	12323	0.00%	0.000%
85	8.185	8.171	8.201	VV	1482	22186	0.00%	0.000%
86	8.239	8.201	8.276	VV	4825	121795	0.00%	0.001%
87	8.290	8.276	8.302	VV	1900	23762	0.00%	0.000%
88	8.316	8.302	8.321	VV	1995	19179	0.00%	0.000%
89	8.340	8.321	8.347	VV	5723	64414	0.00%	0.001%

					rteres			
90	8.353	8.347	8.370	VV	5470	58286	0.00%	0.001%
91	8.378	8.370	8.399	VV	2925	39139	0.00%	0.000%
92	8.430	8.399	8.442	VV	5626	89965	0.00%	0.001%
93	8.458	8.442	8.473	VV	10919	134782	0.00%	0.001%
94	8.485	8.473	8.505	VV	8451	102942	0.00%	0.001%
95	8.515	8.505	8.524	VV	2108	23005	0.00%	0.000%
96	8.539	8.524	8.554	VV	4521	55149	0.00%	0.001%
97	8.576	8.554	8.602	VV	57170	623888	0.01%	0.006%
98	8.641	8.602	8.680	VV	4759	145200	0.00%	0.001%
99	8.698	8.680	8.718	VV	3007	43883	0.00%	0.000%
100	8.735	8.718	8.759	VV	3631	46237	0.00%	0.000%
101	8.787	8.759	8.816	VV	3195	60980	0.00%	0.001%
102	8.845	8.816	8.880	PV	382907	3982759	0.08%	0.038%
103	8.900	8.880	8.926	VV	22914	293704	0.01%	0.003%
104	8.943	8.926	8.956	VV	7397	94079	0.00%	0.001%
105	8.974	8.956	8.999	VV	24163	314163	0.01%	0.003%
106	9.016	8.999	9.031	VV	9791	147817	0.00%	0.001%
107	9.049	9.031	9.076	VV	15002	238701	0.00%	0.002%
108	9.084	9.076	9.112	VV	4218	77804	0.00%	0.001%
109	9.128	9.112	9.154	VV	5420	100998	0.00%	0.001%
110	9.167	9.154	9.179	VV	3541	48715	0.00%	0.000%
111	9.189	9.179	9.209	VV	3361	49000	0.00%	0.000%
112	9.232	9.209	9.247	VV	4342	79484	0.00%	0.001%
113	9.270	9.247	9.282	VV	56328	605888	0.01%	0.006%
114	9.289	9.282	9.336	VV	37928	446751	0.01%	0.004%
115	9.385	9.336	9.438	VV	6135	211179	0.00%	0.002%
116	9.459	9.438	9.490	VV	5726	66791	0.00%	0.001%
117	9.514	9.490	9.536	PV	2324	30819	0.00%	0.000%
118	9.552	9.536	9.557	VV	2063	19272	0.00%	0.000%
119	9.562	9.557	9.582	VV	2162	21122	0.00%	0.000%
120	9.595	9.582	9.617	VV	929	12465	0.00%	0.000%
121	9.653	9.617	9.684	PV	1739	24239	0.00%	0.000%
122	9.751	9.684	9.802	PV	31517	577367	0.01%	0.005%
123	9.813	9.802	9.831	VV	6176	91078	0.00%	0.001%
124	9.837	9.831	9.870	VV	4149	72159	0.00%	0.001%
125	9.884	9.870	9.907	VV	2471	41583	0.00%	0.000%
126	9.919	9.907	9.932	VV	1738	20681	0.00%	0.000%
127	9.946	9.932	9.963	VV	1619	22962	0.00%	0.000%
128	9.990	9.963	10.006	VV	3606	62126	0.00%	0.001%
129	10.020	10.006	10.047	VV	4743	80329	0.00%	0.001%
130	10.065	10.047	10.075	VV	2759	39174	0.00%	0.000%
131	10.094	10.075	10.137	VV	3177	84986	0.00%	0.001%
132	10.161	10.137	10.211	VV	2879	64793	0.00%	0.001%
133	10.229	10.211	10.235	VV	707	7645	0.00%	0.000%
134	10.243	10.235	10.251	VV	682	5408	0.00%	0.000%
135	10.257	10.251	10.277	VV	610	7519	0.00%	0.000%
136	10.296	10.277	10.300	VV	832	6946	0.00%	0.000%
137	10.309	10.300	10.316	VV	757	6343	0.00%	0.000%
138	10.336	10.316	10.341	VV	768	9921	0.00%	0.000%
139	10.344	10.341	10.370	VV	643	7446	0.00%	0.000%
140	10.390	10.370	10.411	VV	474	6553	0.00%	0.000%
141	10.519	10.424	10.532	VV	1463	40412	0.00%	0.000%

					rteres			
142	10.546	10.532	10.564	VV	1034	15562	0.00%	0.000%
143	10.637	10.564	10.656	VV	2257	82887	0.00%	0.001%
144	10.677	10.656	10.728	VV	2251	62230	0.00%	0.001%
145	10.749	10.728	10.767	VV	914	15378	0.00%	0.000%
146	10.848	10.767	10.864	VV	2870	101750	0.00%	0.001%
147	10.870	10.864	10.877	VV	2730	20126	0.00%	0.000%
148	10.887	10.877	10.892	VV	2742	22896	0.00%	0.000%
149	10.901	10.892	10.936	VV	2844	63235	0.00%	0.001%
150	10.956	10.936	10.961	VV	1895	23363	0.00%	0.000%
151	10.966	10.961	10.972	VV	2035	11704	0.00%	0.000%
152	11.010	10.972	11.015	VV	1913	45973	0.00%	0.000%
153	11.033	11.015	11.055	VV	2295	40693	0.00%	0.000%
154	11.058	11.055	11.065	VV	943	4466	0.00%	0.000%
155	11.173	11.065	11.278	VV	16074	1021617	0.02%	0.010%
156	11.299	11.278	11.305	VV	7214	113864	0.00%	0.001%
157	11.311	11.305	11.316	VV	7034	43641	0.00%	0.000%
158	11.321	11.316	11.386	VV	6936	174385	0.00%	0.002%
159	11.391	11.386	11.401	VV	2101	15997	0.00%	0.000%
160	11.403	11.401	11.429	VV	1474	15437	0.00%	0.000%
161	11.435	11.429	11.437	VV	476	1814	0.00%	0.000%
162	11.467	11.437	11.477	VV	847	12665	0.00%	0.000%
163	11.481	11.477	11.504	VV	415	4753	0.00%	0.000%
164	11.535	11.510	11.540	VV	696	9183	0.00%	0.000%
165	11.553	11.540	11.557	VV	1167	9105	0.00%	0.000%
166	11.599	11.557	11.603	VV	1999	39218	0.00%	0.000%
167	11.610	11.603	11.651	VV	2618	42534	0.00%	0.000%
168	11.713	11.651	11.746	VV	1369	49121	0.00%	0.000%
169	11.807	11.746	11.812	PV	8116	149530	0.00%	0.001%
170	11.815	11.812	11.847	VV	7809	121795	0.00%	0.001%
171	11.855	11.847	11.879	VV	3837	59681	0.00%	0.001%
172	11.936	11.879	12.102	VV	76840	4653750	0.09%	0.044%
173	12.109	12.102	12.132	VV	8056	120924	0.00%	0.001%
174	12.137	12.132	12.200	VV	5717	154424	0.00%	0.001%
175	12.205	12.200	12.210	VV	1587	6829	0.00%	0.000%
176	12.212	12.210	12.220	VV	951	3140	0.00%	0.000%
177	12.246	12.220	12.250	PV	592	5676	0.00%	0.000%
178	12.289	12.250	12.301	PV	1648	29804	0.00%	0.000%
179	12.415	12.301	12.418	PV	1715	152904	0.00%	0.001%
180	12.568	12.418	12.730	VV	47091	4477927	0.09%	0.042%
181	12.739	12.730	12.750	VV	12419	138246	0.00%	0.001%
182	12.783	12.750	12.817	VV	11210	393339	0.01%	0.004%
183	13.025	12.817	13.123	VV	30748	3447752	0.07%	0.033%
184	13.204	13.123	13.214	VV	22800	1068438	0.02%	0.010%
185	13.222	13.214	13.239	VV	20127	297860	0.01%	0.003%
186	13.377	13.239	13.516	VV	58601	6439649	0.13%	0.061%
187	13.820	13.516	13.917	VV	97770	14248121	0.28%	0.135%
188	13.925	13.917	13.981	VV	79182	2805968	0.06%	0.027%
189	13.983	13.981	14.004	VV	71669	974078	0.02%	0.009%
190	14.029	14.004	14.047	VV	71929	1790171	0.04%	0.017%
191	14.069	14.047	14.086	VV	72394	1628239	0.03%	0.015%
192	14.099	14.086	14.111	VV	74528	1058730	0.02%	0.010%
193	14.191	14.111	14.207	VV	77668	4238078	0.08%	0.040%
194	14.214	14.207	14.247	VV	76912	1733920	0.03%	0.016%

						rteres		
195	14.264	14.247	14.274	VV	75370	1196905	0.02%	0.011%
196	14.296	14.274	14.304	VV	78492	1329984	0.03%	0.013%
197	14.378	14.304	14.412	VV	83418	4986841	0.10%	0.047%
198	14.429	14.412	14.447	VV	79168	1581788	0.03%	0.015%
199	14.518	14.447	14.527	VV	86742	3798058	0.08%	0.036%
200	14.547	14.527	14.569	VV	89872	2163077	0.04%	0.021%
201	14.781	14.569	14.792	VV	127253	13514038	0.27%	0.128%
202	14.829	14.792	14.837	VV	140363	3644220	0.07%	0.035%
203	14.939	14.837	14.950	VV	191678	11488520	0.23%	0.109%
204	14.975	14.950	15.017	VV	204390	7967195	0.16%	0.076%
205	15.045	15.017	15.089	VV	194116	7992426	0.16%	0.076%
206	15.351	15.089	15.732	VV	508303	118393978	2.35%	1.122%
207	15.827	15.732	16.167	VV	2740523	244620479	4.86%	2.319%
208	16.173	16.167	16.199	VV	96549	1719370	0.03%	0.016%
209	16.279	16.199	16.294	VV	206366	8310140	0.17%	0.079%
210	16.303	16.294	16.340	VV	199621	5257590	0.10%	0.050%
211	16.350	16.340	16.436	VV	180919	8946986	0.18%	0.085%
212	16.446	16.436	16.454	VV	146962	1594182	0.03%	0.015%
213	16.511	16.454	16.521	VV	164579	6000262	0.12%	0.057%
214	17.941	16.521	17.952	VV	20292624	5036234466	100.00%	47.748%
215	17.974	17.952	17.992	VV	20863356	489909667	9.73%	4.645%
216	18.057	17.992	18.076	VV	21738255	1043392866	20.72%	9.892%
217	18.085	18.076	18.094	VV	20973227	225022634	4.47%	2.133%
218	18.101	18.094	18.142	VV	20412764	570336236	11.32%	5.407%
219	18.161	18.142	18.237	VV	20140513	1070408401	21.25%	10.148%
220	18.247	18.237	18.322	VV	17503166	785002514	15.59%	7.443%
221	18.330	18.322	18.571	VV	11427143	716233653	14.22%	6.791%
222	18.597	18.571	18.684	VV	918830	37306923	0.74%	0.354%
223	18.709	18.684	18.731	VV	697257	14073647	0.28%	0.133%
224	18.747	18.731	18.790	VV	577300	9573564	0.19%	0.091%
225	18.819	18.790	18.849	VV	180268	4074583	0.08%	0.039%
226	18.878	18.849	18.929	VV	504284	6827906	0.14%	0.065%
227	18.948	18.929	18.979	VV	89796	1045194	0.02%	0.010%
					Sum of corrected areas: 10547494057			

Aromatic EPH 031725.M Fri Mar 21 01:53:19 2025

Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1DL	SDG No.:	Q1574
Lab Sample ID:	Q1574-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015703.D	10	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	1.42	U	1.42	10.2	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1.12	U	1.12	6.78	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	48.1		1.32	10.2	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	754	E	5.39	13.6	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	676	E	12.0	20.3	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	7.35		40 - 140	147%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1574-01DL	Acq On:	20 Mar 2025 15:56
Client Sample ID:	WC1DL	Operator:	YP\AJ
Data file:	FF015703.D	Misc:	
Instrument:	FID_F	ALS Vial:	78
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	293956	2.288	300	ug/ml
Aliphatic C12-C16	6.834	10.268	265295	2.016	200	ug/ml
Aliphatic C16-C21	10.269	13.635	9610133	70.989	300	ug/ml
Aliphatic C21-C28	13.636	17.299	147186005	1110	400	ug/ml
Aliphatic C28-C40	17.300	22.199	107855781	997.307	600	ug/ml
Aliphatic EPH	3.210	22.199	265211170	2190		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.373	13.373	833744	7.35		ug/ml
Aliphatic C9-C28	3.210	17.299	157355389	1190	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015703.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 15:56
Operator : YP\AJ
Sample : Q1574-01DL 10X
Misc :
ALS Vial : 78 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
WC1DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 21 00:17:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.373	833744	7.346 ug/mlm
Spiked Amount	50.000	Recovery	= 14.69%
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015703.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 15:56
Operator : YP\AJ
Sample : Q1574-01DL 10X
Misc :
ALS Vial : 78 Sample Multiplier: 1

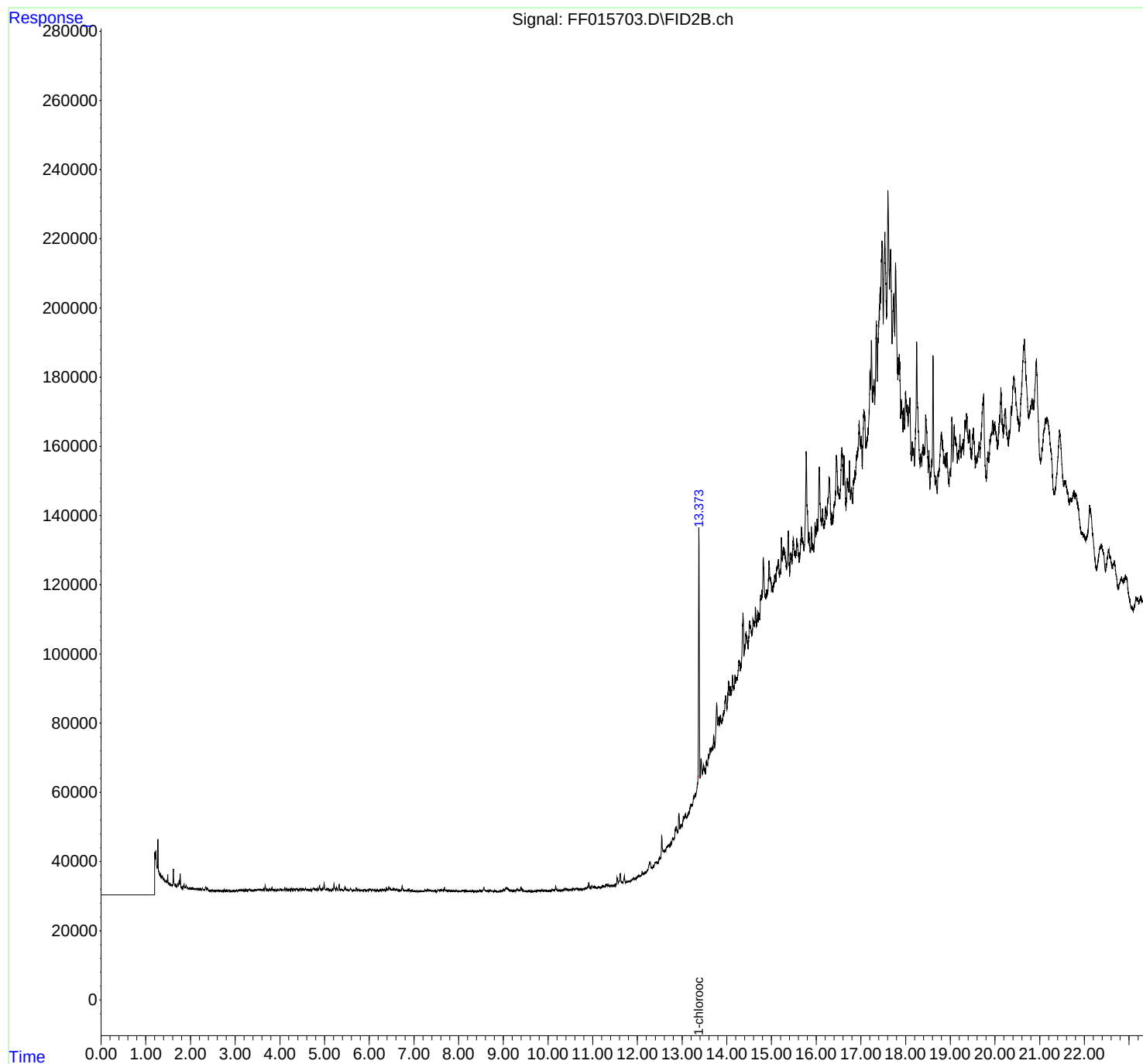
Instrument :
FID_F
ClientSampleId :
WC1DL

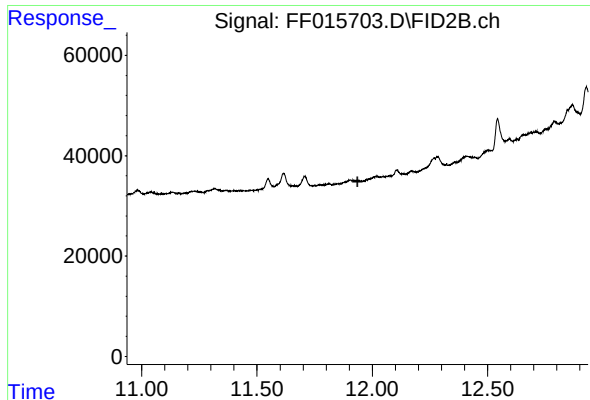
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 21 00:17:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 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.: 11.936 min
Response: 0
Conc: N.D.

Instrument :

FID_F

ClientSampleId :

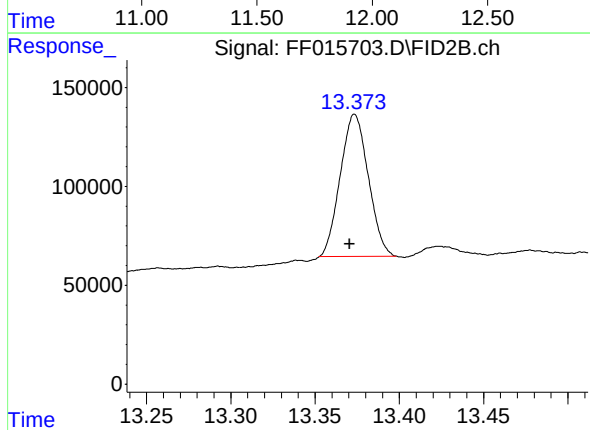
WC1DL

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.373 min
Delta R.T.: 0.002 min
Response: 833744
Conc: 7.35 ug/ml m

Instrument :

FID_F

ClientSampleId :

WC1DL

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF03202
Data File : FF015703.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 15:56
Sample : Q1574-01DL 10X
Misc :
ALS Vial : 78 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	2.859	2.801	2.883	BV	262	2880	0.04%	0.001%
2	2.899	2.883	2.911	PV	103	895	0.01%	0.000%
3	2.956	2.911	2.972	VV	190	3790	0.05%	0.001%
4	3.022	2.972	3.075	VV	241	9215	0.12%	0.003%
5	3.098	3.075	3.110	VV	327	5940	0.08%	0.002%
6	3.246	3.235	3.278	VV	335	7200	0.09%	0.003%
7	3.442	3.410	3.475	VV	423	13835	0.18%	0.005%
8	3.592	3.588	3.599	VV	410	2428	0.03%	0.001%
9	3.606	3.599	3.615	VV	382	3406	0.04%	0.001%
10	3.633	3.615	3.646	VV	535	8478	0.11%	0.003%
11	3.704	3.695	3.736	VV	436	9560	0.12%	0.004%
12	4.073	4.058	4.081	VV	396	5261	0.07%	0.002%
13	4.147	4.130	4.172	VV	629	12587	0.16%	0.005%
14	4.180	4.172	4.200	VV	443	6646	0.09%	0.003%
15	4.223	4.200	4.243	VV	506	10851	0.14%	0.004%
16	4.466	4.428	4.488	VV	768	19883	0.25%	0.007%
17	4.645	4.635	4.675	VV	545	10426	0.13%	0.004%
18	4.692	4.675	4.712	VV	598	10071	0.13%	0.004%
19	4.821	4.803	4.841	VV	602	12517	0.16%	0.005%
20	4.854	4.841	4.868	VV	787	10334	0.13%	0.004%
21	5.052	5.028	5.067	VV	744	14652	0.19%	0.006%
22	5.272	5.252	5.297	VV	1060	17783	0.23%	0.007%
23	5.391	5.356	5.427	VV	566	18243	0.23%	0.007%
24	5.496	5.488	5.545	VV	557	13986	0.18%	0.005%
25	5.645	5.625	5.674	VV	436	8954	0.11%	0.003%
26	5.748	5.734	5.765	VV	561	8101	0.10%	0.003%
27	5.828	5.818	5.846	VV	392	5794	0.07%	0.002%
28	5.855	5.846	5.869	VV	377	4168	0.05%	0.002%
29	6.001	5.981	6.051	VV	798	21674	0.28%	0.008%
30	6.116	6.108	6.124	VV	420	3432	0.04%	0.001%
31	6.185	6.161	6.214	VV	479	10230	0.13%	0.004%
32	6.336	6.311	6.360	VV	658	13927	0.18%	0.005%
33	6.684	6.659	6.708	VV	383	9529	0.12%	0.004%
34	6.854	6.838	6.871	VV	460	6828	0.09%	0.003%
35	6.888	6.871	6.909	VV	735	10537	0.13%	0.004%
36	6.960	6.940	6.999	VV	374	7707	0.10%	0.003%

					retention			
37	7.025	6.999	7.054	VV	262	5510	0.07%	0.002%
38	7.067	7.054	7.095	VV	171	2849		
39	7.103	7.095	7.115	VV	131	1167		
40	7.127	7.115	7.164	VV	162	2194		
41	7.197	7.164	7.210	PV	124	2604		
42	7.248	7.210	7.259	VV	404	6524		
43	7.268	7.259	7.288	VV	430	5665	0.07%	0.002%
44	7.355	7.331	7.394	VV	480	12477	0.16%	0.005%
45	7.414	7.394	7.433	VV	400	6176	0.08%	0.002%
46	7.538	7.500	7.567	VV	578	10863	0.14%	0.004%
47	7.772	7.759	7.805	VV	318	6290	0.08%	0.002%
48	7.814	7.805	7.831	VV	215	3156	0.04%	0.001%
49	7.859	7.831	7.908	VV	252	7865	0.10%	0.003%
50	7.946	7.908	7.984	VV	254	7815	0.10%	0.003%
51	7.997	7.984	8.008	VV	204	1971	0.03%	0.001%
52	8.022	8.008	8.037	VV	175	2488	0.03%	0.001%
53	8.210	8.198	8.235	VV	237	3702	0.05%	0.001%
54	8.255	8.235	8.298	VV	282	4815	0.06%	0.002%
55	8.311	8.298	8.347	VV	189	3311	0.04%	0.001%
56	8.381	8.347	8.410	VV	233	4623	0.06%	0.002%
57	8.474	8.410	8.514	VV	357	12563	0.16%	0.005%
58	8.707	8.636	8.788	VV	487	21703	0.28%	0.008%
59	8.803	8.788	8.884	VV	197	5488	0.07%	0.002%
60	8.927	8.884	8.945	PV	217	4349	0.06%	0.002%
61	8.951	8.945	8.961	VV	145	1394	0.02%	0.001%
62	9.101	9.092	9.205	VV	877	28794	0.37%	0.011%
63	9.216	9.205	9.244	VV	288	5369	0.07%	0.002%
64	9.256	9.244	9.267	VV	236	2744	0.04%	0.001%
65	9.475	9.461	9.505	VV	253	3960	0.05%	0.001%
66	9.520	9.505	9.540	VV	91	1523	0.02%	0.001%
67	9.575	9.540	9.615	VV	325	6433	0.08%	0.002%
68	9.618	9.615	9.647	VV	103	733	0.01%	0.000%
69	9.677	9.647	9.725	PV	85	1862	0.02%	0.001%
70	9.765	9.725	9.805	PV	298	7837	0.10%	0.003%
71	9.810	9.805	9.824	VV	154	1504	0.02%	0.001%
72	9.864	9.824	9.879	VV	218	5580	0.07%	0.002%
73	9.895	9.879	9.909	VV	288	3044	0.04%	0.001%
74	9.950	9.909	9.998	VV	235	5091	0.07%	0.002%
75	10.035	9.998	10.071	VV	210	4057	0.05%	0.002%
76	10.094	10.071	10.111	VV	488	6406	0.08%	0.002%
77	10.124	10.111	10.148	VV	315	5165	0.07%	0.002%
78	10.239	10.232	10.261	VV	184	2559	0.03%	0.001%
79	10.273	10.261	10.305	VV	143	2226	0.03%	0.001%
80	10.313	10.305	10.319	PV	69	500	0.01%	0.000%
81	10.399	10.319	10.421	VV	497	17789	0.23%	0.007%
82	10.436	10.421	10.474	VV	287	6295	0.08%	0.002%
83	10.519	10.474	10.537	VV	231	5778	0.07%	0.002%
84	10.559	10.537	10.587	VV	507	9058	0.12%	0.003%
85	10.647	10.587	10.691	VV	481	17693	0.23%	0.007%
86	10.704	10.691	10.745	VV	172	3208	0.04%	0.001%
87	10.770	10.745	10.780	VV	164	1699	0.02%	0.001%
88	10.800	10.780	10.818	PV	286	4170	0.05%	0.002%
89	10.843	10.818	10.865	VV	394	7599	0.10%	0.003%

Instrument :

FID_F

ClientSampleId :

WC1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

90	10.911	10.865	10.940	VV	1804	32810	0.42%	0.012%
91	10.982	10.940	11.009	VV	921	19309		
92	11.039	11.009	11.078	VV	506	10757		
93	11.134	11.078	11.178	VV	328	6416		
94	11.230	11.178	11.267	PV	389	10310		
95	11.316	11.267	11.355	VV	718	20515		
96	11.365	11.355	11.378	VV	288	3157	0.04%	0.001%
97	11.397	11.378	11.411	VV	163	2476	0.03%	0.001%
98	11.426	11.411	11.457	VV	111	2419	0.03%	0.001%
99	11.548	11.457	11.573	PV	2143	35757	0.46%	0.013%
100	11.615	11.573	11.665	VV	3041	64525	0.83%	0.024%
101	11.668	11.665	11.675	VV	348	1766	0.02%	0.001%
102	11.707	11.675	11.743	VV	2120	35336	0.45%	0.013%
103	11.772	11.743	11.784	VV	163	2967	0.04%	0.001%
104	11.812	11.784	11.831	VV	320	3978	0.05%	0.001%
105	11.905	11.831	11.957	PV	514	17073	0.22%	0.006%
106	12.018	11.957	12.031	PV	566	12040	0.15%	0.005%
107	12.106	12.031	12.142	VV	1201	25434	0.33%	0.010%
108	12.171	12.142	12.188	VV	508	8848	0.11%	0.003%
109	12.283	12.188	12.313	VV	2643	93307	1.19%	0.035%
110	12.320	12.313	12.335	VV	782	8687	0.11%	0.003%
111	12.411	12.335	12.458	VV	1812	92674	1.19%	0.035%
112	12.505	12.458	12.517	VV	2362	67425	0.86%	0.025%
113	12.543	12.517	12.578	VV	8309	180058	2.30%	0.068%
114	12.595	12.578	12.610	VV	3993	71801	0.92%	0.027%
115	12.658	12.610	12.671	VV	4354	144107	1.84%	0.054%
116	12.711	12.671	12.731	VV	4543	159882	2.05%	0.060%
117	12.789	12.731	12.808	VV	6163	237824	3.04%	0.090%
118	12.868	12.808	12.901	VV	8858	402542	5.15%	0.152%
119	12.928	12.901	12.953	VV	12014	288691	3.69%	0.109%
120	12.985	12.953	13.000	VV	8525	232333	2.97%	0.088%
121	13.042	13.000	13.051	VV	10418	295011	3.77%	0.111%
122	13.072	13.051	13.105	VV	10939	330789	4.23%	0.125%
123	13.293	13.105	13.302	VV	15339	1477355	18.90%	0.557%
124	13.374	13.302	13.403	VV	91473	1923758	24.61%	0.725%
125	13.424	13.403	13.453	VV	24490	661351	8.46%	0.249%
126	13.478	13.453	13.523	VV	22202	883701	11.31%	0.333%
127	13.543	13.523	13.560	VV	23068	490668	6.28%	0.185%
128	13.590	13.560	13.602	VV	24599	586551	7.50%	0.221%
129	13.619	13.602	13.641	VV	25935	589710	7.54%	0.222%
130	13.707	13.641	13.727	VV	29156	1355052	17.34%	0.511%
131	13.772	13.727	13.795	VV	38319	1312750	16.79%	0.495%
132	13.817	13.795	13.835	VV	33833	786174	10.06%	0.296%
133	13.857	13.835	13.878	VV	33597	852940	10.91%	0.322%
134	13.972	13.878	14.005	VV	38799	2643932	33.83%	0.997%
135	14.040	14.005	14.063	VV	42601	1382848	17.69%	0.521%
136	14.078	14.063	14.095	VV	40640	757755	9.69%	0.286%
137	14.126	14.095	14.159	VV	43701	1546929	19.79%	0.583%
138	14.181	14.159	14.201	VV	43171	1064000	13.61%	0.401%
139	14.222	14.201	14.235	VV	42437	839462	10.74%	0.316%
140	14.273	14.235	14.301	VV	46858	1797448	23.00%	0.678%
141	14.311	14.301	14.320	VV	45593	497934	6.37%	0.188%

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					rters			
142	14.361	14.320	14.388	VV	59661	2143933	27.43%	0.808%
143	14.430	14.388	14.474	VV	54003	2630621	33.00%	0.808%
144	14.512	14.474	14.565	VV	56706	2922811	37.00%	0.808%
145	14.587	14.565	14.613	VV	56340	1603585	20.00%	0.808%
146	14.641	14.613	14.671	VV	59525	1964750	25.00%	0.410%
147	14.690	14.671	14.702	VV	58409	1041668	13.00%	0.410%
148	14.716	14.702	14.734	VV	57473	1087760	13.92%	0.410%
149	14.816	14.734	14.868	VV	72391	5101402	65.27%	1.923%
150	14.889	14.868	14.898	VV	62735	1107379	14.17%	0.418%
151	14.943	14.898	15.030	VV	70546	5124604	65.56%	1.932%
152	15.087	15.030	15.100	VV	66248	2719878	34.80%	1.025%
153	15.148	15.100	15.181	VV	69479	3272767	41.87%	1.234%
154	15.221	15.181	15.244	VV	75179	2630933	33.66%	0.992%
155	15.278	15.244	15.334	VV	72570	3772417	48.26%	1.422%
156	15.374	15.334	15.406	VV	76594	3030208	38.77%	1.142%
157	15.432	15.406	15.458	VV	69549	2103266	26.91%	0.793%
158	15.489	15.458	15.513	VV	73582	2319938	29.68%	0.875%
159	15.523	15.513	15.535	VV	69703	911341	11.66%	0.344%
160	15.563	15.535	15.624	VV	72951	3735408	47.79%	1.408%
161	15.672	15.624	15.722	VV	75423	4176540	53.43%	1.575%
162	15.776	15.722	15.831	VV	96690	5164065	66.07%	1.947%
163	15.840	15.831	15.871	VV	72493	1697824	21.72%	0.640%
164	15.891	15.871	15.945	VV	74134	3061845	39.17%	1.154%
165	15.975	15.945	15.991	VV	74369	1999431	25.58%	0.754%
166	16.018	15.991	16.034	VV	75344	1883693	24.10%	0.710%
167	16.067	16.034	16.118	VV	90195	4022984	51.47%	1.517%
168	16.140	16.118	16.171	VV	76661	2377784	30.42%	0.896%
169	16.215	16.171	16.231	VV	77978	2699573	34.54%	1.018%
170	16.289	16.231	16.335	VV	85338	4925109	63.01%	1.857%
171	16.350	16.335	16.374	VV	74400	1727490	22.10%	0.651%
172	16.453	16.374	16.524	VV	90276	7265225	92.95%	2.739%
173	16.574	16.524	16.608	VV	92168	4313789	55.19%	1.626%
174	16.623	16.608	16.667	VV	89339	2909269	37.22%	1.097%
175	16.697	16.667	16.728	VV	82408	2901637	37.12%	1.094%
176	16.742	16.728	16.775	VV	86775	2266330	28.99%	0.854%
177	16.788	16.775	16.817	VV	78893	1953134	24.99%	0.736%
178	16.862	16.817	16.871	VV	83621	2632080	33.67%	0.992%
179	16.915	16.871	16.928	VV	88360	2926052	37.43%	1.103%
180	16.961	16.928	16.998	VV	96847	3867336	49.48%	1.458%
181	17.009	16.998	17.029	VV	92561	1690715	21.63%	0.637%
182	17.067	17.029	17.115	VV	99536	4783835	61.20%	1.804%
183	17.204	17.115	17.218	VV	109345	5975508	76.45%	2.253%
184	17.235	17.218	17.261	VV	118345	2831547	36.23%	1.068%
185	17.293	17.261	17.310	VV	106769	3071317	39.29%	1.158%
186	17.344	17.310	17.364	VV	123428	3633515	46.49%	1.370%
187	17.431	17.364	17.441	VV	132201	5685886	72.74%	2.144%
188	17.472	17.441	17.499	VV	145424	4738504	60.62%	1.787%
189	17.534	17.499	17.575	VV	147397	6119583	78.29%	2.307%
190	17.606	17.575	17.640	VV	158443	5555708	71.08%	2.095%
191	17.662	17.640	17.697	VV	140680	4508039	57.67%	1.700%
192	17.733	17.697	17.755	VV	128665	4278867	54.74%	1.613%
193	17.778	17.755	17.825	VV	136640	5054704	64.67%	1.906%
194	17.838	17.825	17.850	VV	109263	1604124	20.52%	0.605%

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rteres									
195	17.860	17.850	17.891	VV	108400	2529910	32.37%	0.954%	
196	17.905	17.891	17.941	VV	96030	2789136	35.18%	0.641%	
197	17.959	17.941	17.978	VV	93465	1983531	25.13%	0.740%	
198	18.000	17.978	18.057	VV	98218	4467981	57.18%	2.569%	
199	18.095	18.057	18.128	VV	96052	3769525	48.14%	1.419%	
200	18.145	18.128	18.162	VV	82924	1668217	21.76%	0.641%	
201	18.180	18.162	18.198	VV	81087	1700870	21.76%	0.641%	
202	18.248	18.198	18.328	VV	111122	6814413	87.18%	2.569%	
203	18.339	18.328	18.362	VV	77448	1571853	20.11%	0.593%	
204	18.394	18.362	18.404	VV	80472	1963893	25.13%	0.740%	
205	18.416	18.404	18.428	VV	79503	1135484	14.53%	0.428%	
206	18.452	18.428	18.505	VV	87919	3778460	48.34%	1.425%	
207	18.522	18.505	18.545	VV	77677	1744003	22.31%	0.658%	
208	18.582	18.545	18.591	VV	74791	1957539	25.04%	0.738%	
209	18.614	18.591	18.670	VV	104715	3762573	48.14%	1.419%	
210	18.680	18.670	18.708	VV	69210	1504365	19.25%	0.567%	
211	18.801	18.708	18.883	VV	81178	7816426	100.00%	2.947%	
212	18.895	18.883	18.907	VV	73959	1049921	13.43%	0.396%	
213	18.924	18.907	18.973	VV	74441	2729513	34.92%	1.029%	
214	18.999	18.973	19.008	VV	69028	1423559	18.21%	0.537%	
215	19.036	19.008	19.061	VV	83614	2433586	31.13%	0.918%	
216	19.088	19.061	19.106	VV	81380	2107284	26.96%	0.795%	
217	19.115	19.106	19.156	VV	77072	2258534	28.89%	0.852%	
218	19.215	19.156	19.241	VV	77429	3716275	47.54%	1.401%	
Sum of corrected areas:					265233893				

Instrument :

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Aliphatic EPH 031725.M Fri Mar 21 08:17:40 2025

Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1DL	SDG No.:	Q1574
Lab Sample ID:	Q1574-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015521.D	250	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	30.5	U	30.5	169	mg/kg
Aromatic C12-C16	Aromatic C12-C16	58.5	U	58.5	254	mg/kg
Aromatic C16-C21	Aromatic C16-C21	101	U	101	423	mg/kg
Aromatic C21-C36	Aromatic C21-C36	5140		302	678	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	0.00		40 - 140	0%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1574-01DL	Acq On:	20 Mar 2025 16:26
Client Sample ID:	WC1DL	Operator:	YP\AJ
Data file:	FG015521.D	Misc:	
Instrument:	FID_G	ALS Vial:	29
Dilution Factor:	250	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.457	6.336	45087	0.336	200	ug/ml
Aromatic C12-C16	6.337	9.043	44251	0.323	300	ug/ml
Aromatic C16-C21	9.044	13.372	33384	0.239	500	ug/ml
Aromatic C21-C36	13.373	18.832	39459324	303.081	800	ug/ml
Aromatic EPH	4.457	18.832	39582046	303.98		ug/ml
2-Bromonaphthalene (SURR)	0.000	0.000	0	0		ug/ml
2-Fluorobiphenyl (SURR)	0.000	0.000	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015521.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 16:26
Operator : YP\AJ
Sample : Q1574-01DL 250X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WC1DL

Integration File: autoint1.e
Quant Time: Mar 21 01:00:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 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			
Target Compounds			

(f)=RT Delta > 1/2 Window

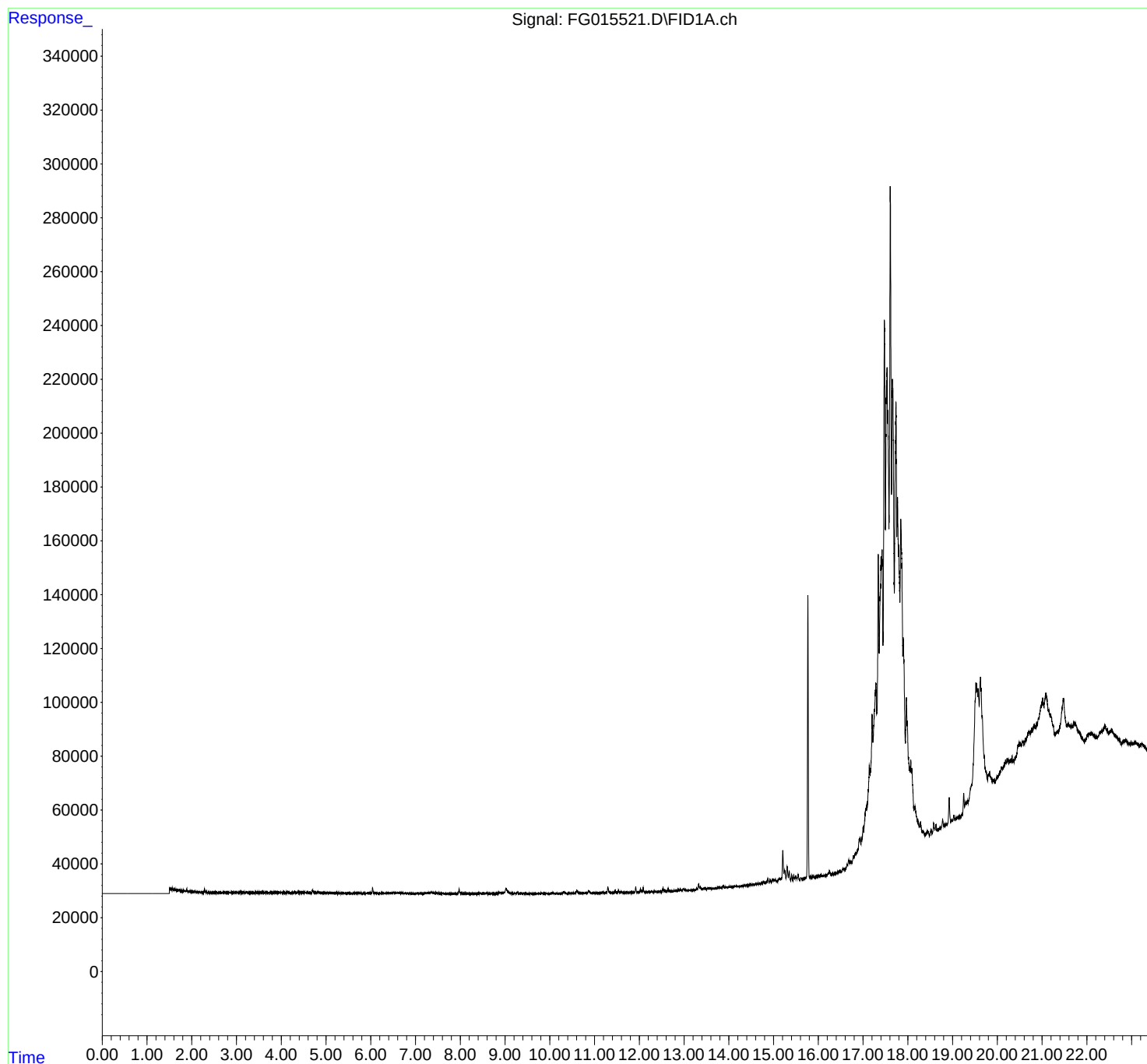
(m)=manual int.

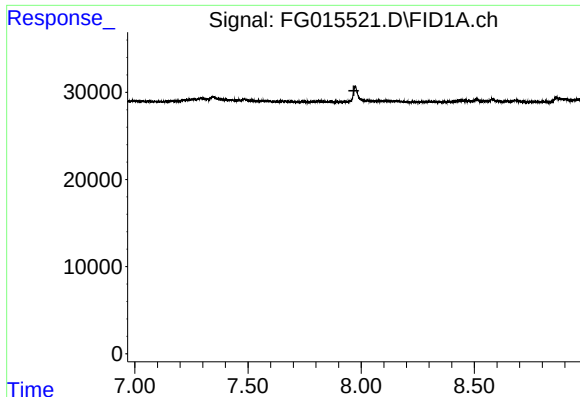
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015521.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 16:26
Operator : YP\AJ
Sample : Q1574-01DL 250X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WC1DL

Integration File: autoint1.e
Quant Time: Mar 21 01:00:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

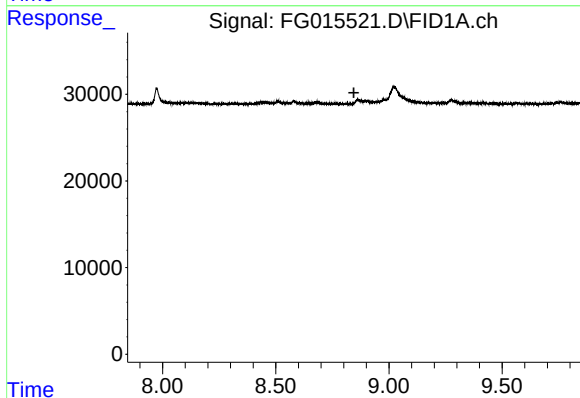




#4 2-Bromonaphthalene (SURRE)

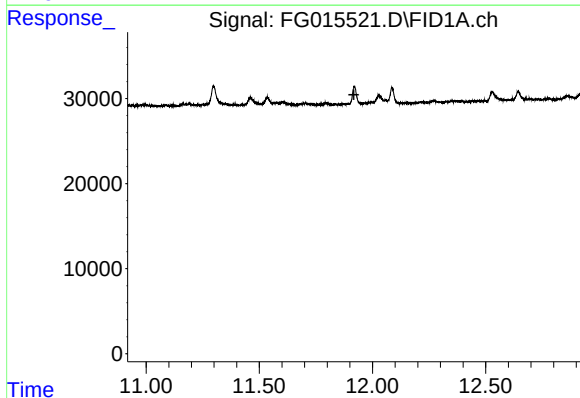
R.T.: 0.000 min
Exp R.T. : 7.968 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
WC1DL



#6 2-Fluorobiphenyl (SURRE)

R.T.: 0.000 min
Exp R.T. : 8.845 min
Response: 0
Conc: N.D.



#11 ortho-Terphenyl (SURRE)

R.T.: 0.000 min
Exp R.T. : 11.918 min
Response: 0
Conc: N.D.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
 Data File : FG015521.D
 Signal(s) : FID1A.ch
 Acq On : 20 Mar 2025 16:26
 Sample : Q1574-01DL 250X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.301	4.287	4.330	PV	94	1448	0.02%	0.004%
2	4.475	4.455	4.485	VV	201	1841	0.03%	0.005%
3	4.520	4.509	4.536	VV	203	1981	0.03%	0.005%
4	4.561	4.557	4.575	VV	174	1441	0.02%	0.004%
5	4.646	4.627	4.652	VV	195	2018	0.03%	0.005%
6	4.779	4.776	4.785	VV	204	1038	0.01%	0.003%
7	4.914	4.907	4.929	VV	176	1769	0.02%	0.004%
8	4.947	4.938	4.952	VV	181	1032	0.01%	0.003%
9	5.157	5.152	5.170	VV	146	1045	0.01%	0.003%
10	5.177	5.170	5.220	VV	144	2572	0.04%	0.006%
11	5.232	5.220	5.237	VV	217	1486	0.02%	0.004%
12	5.243	5.237	5.254	VV	247	1396	0.02%	0.004%
13	5.318	5.289	5.322	VV	168	1986	0.03%	0.005%
14	5.387	5.381	5.412	VV	88	1278	0.02%	0.003%
15	5.480	5.473	5.587	VV	150	5505	0.08%	0.014%
16	5.592	5.587	5.619	VV	88	1518	0.02%	0.004%
17	5.623	5.619	5.649	VV	155	1162	0.02%	0.003%
18	5.668	5.657	5.685	VV	215	2232	0.03%	0.006%
19	5.781	5.769	5.789	VV	192	1079	0.01%	0.003%
20	5.793	5.789	5.822	VV	126	1494	0.02%	0.004%
21	5.860	5.833	5.890	VV	168	2777	0.04%	0.007%
22	5.898	5.890	5.928	VV	176	1943	0.03%	0.005%
23	5.934	5.928	5.952	VV	126	1462	0.02%	0.004%
24	5.961	5.952	5.985	VV	207	2713	0.04%	0.007%
25	5.989	5.985	6.002	VV	160	1092	0.01%	0.003%
26	6.096	6.093	6.109	VV	155	1227	0.02%	0.003%
27	6.860	6.847	6.919	VV	205	4665	0.06%	0.012%
28	6.936	6.919	6.982	VV	116	2854	0.04%	0.007%
29	6.991	6.982	7.024	VV	160	2557	0.04%	0.006%
30	7.034	7.024	7.046	VV	123	1016	0.01%	0.003%
31	7.066	7.046	7.082	VV	125	1530	0.02%	0.004%

					rteres			
32	7.165	7.119	7.175	VV	147	2715	0.04%	0.007%
33	7.186	7.175	7.195	VV	132	1234	0.02%	0.003%
34	7.667	7.647	7.709	VV	161	3427	0.05%	0.009%
35	7.739	7.723	7.767	VV	146	1971	0.03%	0.005%
36	7.785	7.767	7.796	VV	127	1326	0.02%	0.003%
37	7.812	7.796	7.855	VV	157	3575	0.05%	0.009%
38	7.865	7.855	7.888	VV	135	1515	0.02%	0.004%
39	8.229	8.215	8.257	VV	120	1794	0.02%	0.005%
40	8.272	8.257	8.284	PV	93	1390	0.02%	0.003%
41	8.329	8.284	8.355	VV	155	4450	0.06%	0.011%
42	8.366	8.355	8.393	VV	154	2109	0.03%	0.005%
43	8.747	8.733	8.774	VV	146	2429	0.03%	0.006%
44	8.783	8.774	8.808	VV	129	1988	0.03%	0.005%
45	8.816	8.808	8.837	VV	165	1706	0.02%	0.004%
46	9.669	9.658	9.685	PV	146	1498	0.02%	0.004%
47	10.255	10.215	10.261	PV	94	1665	0.02%	0.004%
48	10.382	10.374	10.400	VV	132	1680	0.02%	0.004%
49	10.518	10.507	10.531	VV	99	1120	0.02%	0.003%
50	10.727	10.700	10.742	VV	300	2798	0.04%	0.007%
51	10.940	10.937	10.960	VV	170	1830	0.03%	0.005%
52	11.089	11.048	11.102	VV	165	2993	0.04%	0.008%
53	11.113	11.102	11.142	VV	151	1881	0.03%	0.005%
54	11.794	11.782	11.824	VV	166	2965	0.04%	0.007%
55	12.154	12.134	12.169	VV	148	1486	0.02%	0.004%
56	12.272	12.252	12.312	VV	297	5611	0.08%	0.014%
57	12.495	12.475	12.504	VV	166	2250	0.03%	0.006%
58	13.071	13.061	13.105	VV	172	2289	0.03%	0.006%
59	13.148	13.105	13.164	PV	161	3318	0.05%	0.008%
60	13.560	13.551	13.633	VV	271	9295	0.13%	0.023%
61	13.660	13.633	13.695	PV	212	4377	0.06%	0.011%
62	13.712	13.695	13.732	PV	226	2627	0.04%	0.007%
63	13.768	13.732	13.779	VV	279	5036	0.07%	0.013%
64	13.828	13.779	13.840	VV	165	4742	0.07%	0.012%
65	13.876	13.840	13.902	VV	858	13245	0.18%	0.033%
66	13.940	13.902	13.974	VV	308	7639	0.10%	0.019%
67	14.018	13.974	14.040	VV	217	6126	0.08%	0.015%
68	14.064	14.040	14.100	VV	265	5708	0.08%	0.014%
69	14.126	14.100	14.135	VV	241	3136	0.04%	0.008%
70	14.166	14.135	14.185	VV	301	6298	0.09%	0.016%
71	14.208	14.185	14.242	VV	161	2806	0.04%	0.007%
72	14.280	14.242	14.299	PV	230	3322	0.05%	0.008%
73	14.361	14.299	14.373	VV	196	6002	0.08%	0.015%
74	14.385	14.373	14.407	VV	161	2047	0.03%	0.005%
75	14.430	14.407	14.442	VV	156	2285	0.03%	0.006%
76	14.486	14.442	14.502	VV	339	7705	0.11%	0.019%
77	14.542	14.502	14.578	VV	263	7870	0.11%	0.020%
78	14.630	14.578	14.650	PV	397	9555	0.13%	0.024%
79	14.680	14.650	14.707	VV	469	9713	0.13%	0.024%

80	14.733	14.707	14.752	VV	455	8764	0.12%	0.022%
81	14.779	14.752	14.798	VV	713	12453	0.17%	0.031%
82	14.830	14.798	14.852	VV	704	16471	0.23%	0.041%
83	14.874	14.852	14.899	VV	1619	26607	0.37%	0.067%
84	14.921	14.899	14.954	VV	1166	25453	0.35%	0.064%
85	14.977	14.954	14.994	VV	1620	22884	0.31%	0.058%
86	15.010	14.994	15.024	VV	1346	17618	0.24%	0.044%
87	15.040	15.024	15.077	VV	1046	21790	0.30%	0.055%
88	15.127	15.077	15.140	VV	1390	33841	0.46%	0.085%
89	15.154	15.140	15.167	VV	1203	18772	0.26%	0.047%
90	15.206	15.167	15.233	VV	11742	201710	2.77%	0.507%
91	15.247	15.233	15.278	VV	4246	86206	1.18%	0.217%
92	15.349	15.332	15.384	VV	3730	60585	0.83%	0.152%
93	15.405	15.384	15.428	VV	2125	29501	0.40%	0.074%
94	15.453	15.428	15.479	VV	1729	31768	0.44%	0.080%
95	15.498	15.479	15.525	VV	1671	33213	0.46%	0.083%
96	15.551	15.525	15.584	VV	2126	34967	0.48%	0.088%
97	15.611	15.584	15.644	PV	820	13004	0.18%	0.033%
98	15.654	15.644	15.663	VV	235	2295	0.03%	0.006%
99	15.703	15.663	15.715	VV	472	10214	0.14%	0.026%
100	15.767	15.715	15.815	VV	105390	1332072	18.28%	3.349%
101	15.837	15.815	15.857	VV	385	8617	0.12%	0.022%
102	15.876	15.857	15.925	VV	523	13970	0.19%	0.035%
103	16.060	15.925	16.099	PV	463	27780	0.38%	0.070%
104	16.135	16.099	16.149	VV	166	5255	0.07%	0.013%
105	16.250	16.149	16.291	VV	1669	39326	0.54%	0.099%
106	16.316	16.291	16.340	PV	330	3667	0.05%	0.009%
107	16.385	16.340	16.415	PV	296	5987	0.08%	0.015%
108	16.457	16.415	16.477	PV	489	11687	0.16%	0.029%
109	16.482	16.477	16.510	VV	425	4233	0.06%	0.011%
110	16.554	16.510	16.565	PV	971	13076	0.18%	0.033%
111	16.581	16.565	16.604	VV	738	11492	0.16%	0.029%
112	16.646	16.604	16.657	VV	1725	31839	0.44%	0.080%
113	16.677	16.657	16.723	VV	3238	93605	1.28%	0.235%
114	16.736	16.723	16.754	VV	2208	34767	0.48%	0.087%
115	16.786	16.754	16.803	VV	4030	92565	1.27%	0.233%
116	16.826	16.803	16.839	VV	4546	87822	1.21%	0.221%
117	16.930	16.839	16.950	VV	9444	453572	6.22%	1.140%
118	17.003	16.950	17.017	VV	13337	409632	5.62%	1.030%
119	17.140	17.017	17.159	VV	34251	1920954	26.36%	4.829%
120	17.202	17.159	17.222	VV	52915	1593782	21.87%	4.006%
121	17.286	17.222	17.305	VV	64382	2764184	37.94%	6.949%
122	17.424	17.360	17.445	VV	113129	5004233	68.68%	12.580%
123	17.535	17.502	17.580	VV	179555	7286464	100.00%	18.317%
124	17.659	17.637	17.698	VV	172804	5296236	72.69%	13.314%
125	17.735	17.698	17.754	VV	164925	4582772	62.89%	11.520%
126	17.845	17.824	17.888	VV	120315	3919788	53.80%	9.854%

					rteres			
127	17.898	17.888	17.947	VV	77054	2118657	29.08%	5.326%
128	18.066	18.052	18.080	VV	30571	487330	6.69%	1.225%
129	18.088	18.080	18.137	VV	27627	689585	9.46%	1.733%
130	18.441	18.379	18.486	VV	1838	70075	0.96%	0.176%
131	18.518	18.486	18.542	PV	2144	32467	0.45%	0.082%
132	18.579	18.542	18.607	VV	3832	67909	0.93%	0.171%
133	18.628	18.607	18.650	VV	2659	41622	0.57%	0.105%
134	18.677	18.650	18.687	VV	554	8532	0.12%	0.021%
135	18.706	18.687	18.716	VV	580	6539	0.09%	0.016%
136	18.732	18.716	18.747	PV	514	6122	0.08%	0.015%
137	18.778	18.747	18.807	VV	3200	53459	0.73%	0.134%
138	18.924	18.807	18.964	VV	9684	173814	2.39%	0.437%
139	18.985	18.964	19.000	VBA	793	23038	0.32%	0.058%
					Sum of corrected areas:	39780347		

Aromatic EPH 031725.M Fri Mar 21 06:10:43 2025

Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1DL2	SDG No.:	Q1574
Lab Sample ID:	Q1574-01DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015704.D	50	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	7.12	U	7.12	50.9	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.60	U	5.60	33.9	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	65.2		6.61	50.9	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	779		27.0	67.8	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	841		60.0	101	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	1.14		40 - 140	114%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1574-01DL2	Acq On:	20 Mar 2025 16:26
Client Sample ID:	WC1DL2	Operator:	YP\AJ
Data file:	FF015704.D	Misc:	
Instrument:	FID_F	ALS Vial:	79
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	8791	0.068	300	ug/ml
Aliphatic C12-C16	6.834	10.268	0	0	200	ug/ml
Aliphatic C16-C21	10.269	13.635	2603216	19.23	300	ug/ml
Aliphatic C21-C28	13.636	17.299	30412316	229.912	400	ug/ml
Aliphatic C28-C40	17.300	22.199	26821039	248.005	600	ug/ml
Aliphatic EPH	3.210	22.199	59845362	497.215		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.374	13.374	129391	1.14		ug/ml
Aliphatic C9-C28	3.210	17.299	33024323	249.21	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
 Data File : FF015704.D
 Signal(s) : FID2B.ch
 Acq On : 20 Mar 2025 16:26
 Operator : YP\AJ
 Sample : Q1574-01DL2 50X
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 WC1DL2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/21/2025
 Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
 Quant Time: Mar 21 00:17:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:31:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.374	129391	1.140 ug/mlm
Spiked Amount 50.000		Recovery =	2.28%
Target Compounds			

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015704.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 16:26
Operator : YP\AJ
Sample : Q1574-01DL2 50X
Misc :
ALS Vial : 79 Sample Multiplier: 1

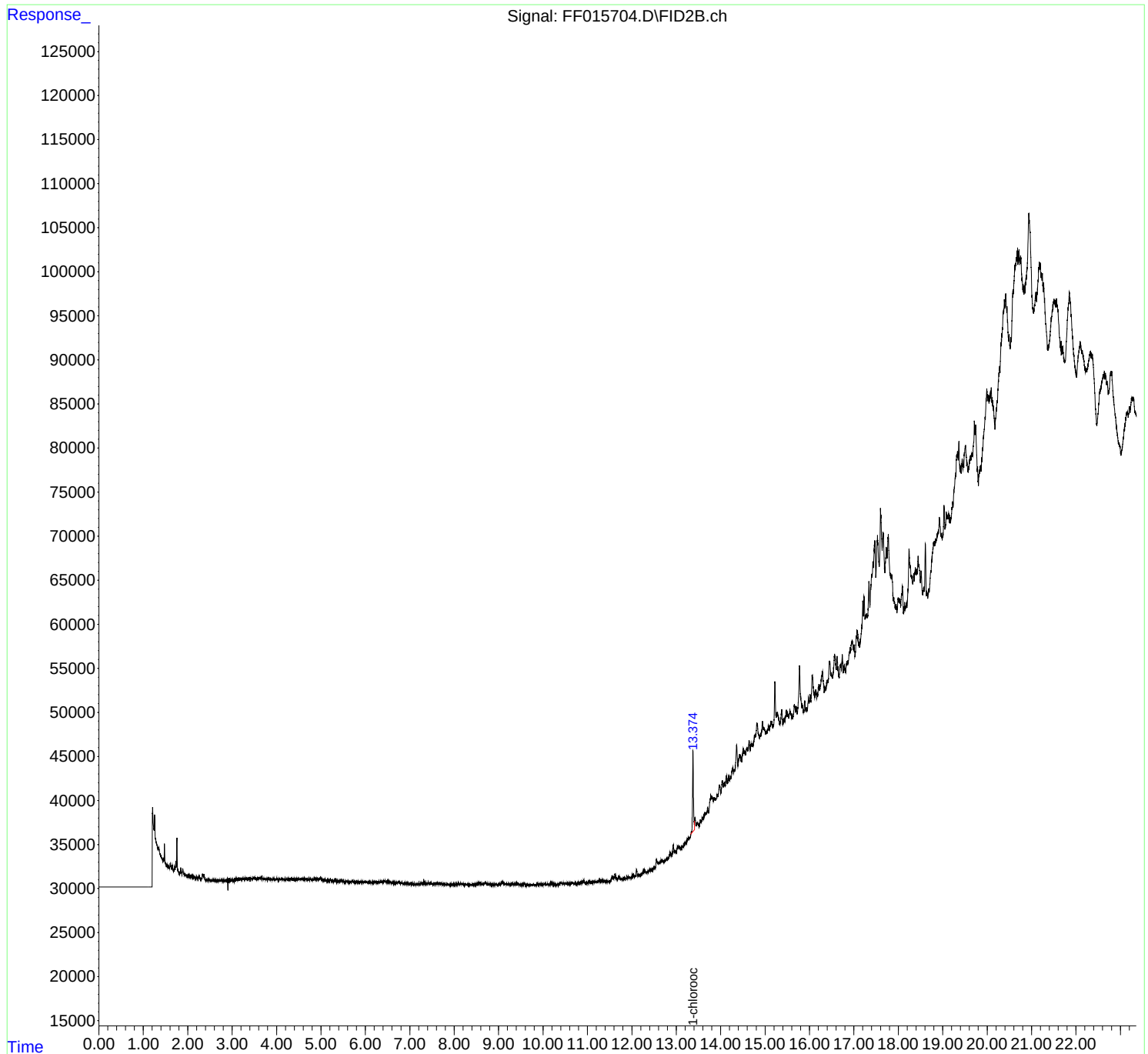
Instrument :
FID_F
ClientSampleId :
WC1DL2

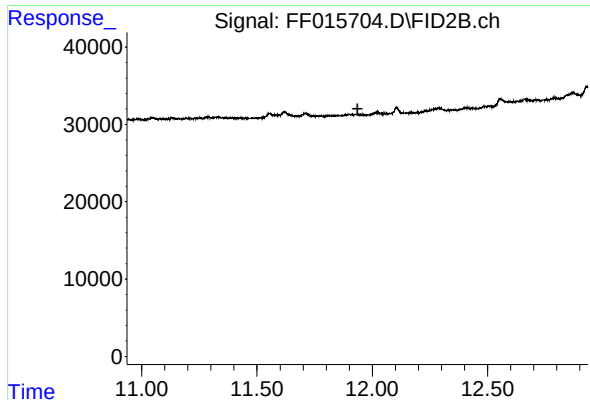
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 21 00:17:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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





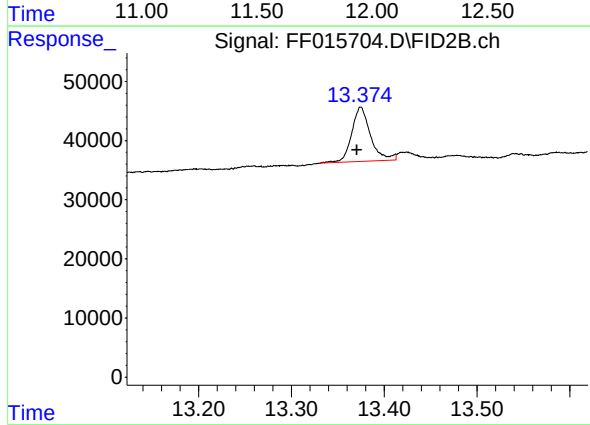
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.936 min
Response: 0
Conc: N.D.

Instrument :
FID_F
ClientSampleId :
WC1DL2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.374 min
Delta R.T.: 0.003 min
Response: 129391
Conc: 1.14 ug/ml m

rteres

Instrument :

FID_F

ClientSampleId :

WC1DL2

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF03202
Data File : FF015704.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 16:26
Sample : Q1574-01DL2 50X
Misc :
ALS Vial : 79 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.821	3.801	3.861	BH	147	2291	0.08%	0.004%
2	4.001	3.984	4.055	PH	166	1475	0.05%	0.002%
3	4.109	4.088	4.147	PH	169	2228	0.08%	0.004%
4	4.691	4.672	4.720	PH	98	876	0.03%	0.001%
5	4.887	4.875	4.928	HH	162	1921	0.07%	0.003%
6	11.619	11.578	11.675	HH	619	14234	0.49%	0.024%
7	11.710	11.675	11.795	HH	361	8730	0.30%	0.015%
8	11.811	11.795	11.833	HH	166	2093	0.07%	0.003%
9	11.948	11.833	11.968	HH	281	15313	0.52%	0.026%
10	12.021	11.968	12.071	HH	538	22000	0.75%	0.037%
11	12.106	12.071	12.151	HH	1148	28219	0.97%	0.047%
12	12.291	12.151	12.325	HH	1070	74581	2.55%	0.125%
13	12.408	12.325	12.458	HH	1104	77193	2.64%	0.129%
14	12.556	12.458	12.609	HH	2214	143893	4.92%	0.240%
15	12.665	12.609	12.695	HH	2213	105285	3.60%	0.176%
16	12.715	12.695	12.731	HH	2146	45895	1.57%	0.077%
17	12.870	12.731	12.905	HH	3092	260935	8.93%	0.436%
18	12.931	12.905	12.959	HH	3851	108959	3.73%	0.182%
19	12.976	12.959	12.997	HH	3201	72413	2.48%	0.121%
20	13.039	12.997	13.105	HH	3823	227800	7.80%	0.381%
21	13.375	13.105	13.406	HH	14647	941551	32.22%	1.573%
22	13.423	13.406	13.455	HH	6998	192035	6.57%	0.321%
23	13.477	13.455	13.525	HH	6469	262087	8.97%	0.438%
24	13.707	13.525	13.731	HH	7976	889808	30.45%	1.487%
25	13.782	13.731	13.835	HH	9424	554487	18.98%	0.927%
26	13.856	13.835	13.877	HH	9247	234562	8.03%	0.392%
27	13.973	13.877	14.001	HH	10653	724584	24.80%	1.211%
28	14.038	14.001	14.108	HH	11201	683865	23.40%	1.143%
29	14.128	14.108	14.155	HH	11768	315427	10.79%	0.527%
30	14.179	14.155	14.205	HH	11723	341639	11.69%	0.571%
31	14.272	14.205	14.294	HH	12712	641579	21.96%	1.072%
32	14.358	14.294	14.387	HH	15164	746620	25.55%	1.248%
33	14.431	14.387	14.475	HH	14124	721515	24.69%	1.206%
34	14.511	14.475	14.557	HH	14891	709547	24.28%	1.186%
35	14.595	14.557	14.611	HH	14957	476918	16.32%	0.797%
36	14.639	14.611	14.666	HH	15653	496407	16.99%	0.829%

Parameters									
Peak No.	Retention Time (min)	Area	Height	Width (min)	Height	Area	Height	Area	Height
37	14.690	14.666	14.728	HH	15279	564188	19.31%	0.943%	
38	14.817	14.728	14.876	HH	17663	1461629	50.25%	1.825%	
39	14.941	14.876	15.035	HV	17534	1564771	53.16%	1.825%	
40	15.077	15.035	15.098	VV	16198	605423	20.84%	1.131%	
41	15.136	15.098	15.169	VV	16288	683435	23.16%	1.131%	
42	15.220	15.169	15.335	VV	20383	1640143	56.25%	1.825%	
43	15.372	15.335	15.408	VV	16264	676734	23.16%	1.131%	
44	15.482	15.408	15.529	VV	15586	1092092	37.37%	1.825%	
45	15.563	15.529	15.625	VV	14982	829684	28.39%	1.386%	
46	15.661	15.625	15.725	VV	15183	869389	29.75%	1.453%	
47	15.775	15.725	15.875	VV	18762	1351358	46.25%	2.258%	
48	15.893	15.875	15.944	VV	14109	558588	19.12%	0.933%	
49	15.976	15.944	15.991	VV	14094	381482	13.06%	0.637%	
50	16.012	15.991	16.028	VV	14154	303580	10.39%	0.507%	
51	16.063	16.028	16.118	VV	16080	787198	26.94%	1.315%	
52	16.140	16.118	16.168	VV	13970	406558	13.91%	0.679%	
53	16.211	16.168	16.231	VV	14019	516072	17.66%	0.862%	
54	16.287	16.231	16.365	VV	14976	1107204	37.89%	1.850%	
55	16.452	16.365	16.518	VV	15312	1273494	43.58%	2.128%	
56	16.568	16.518	16.601	VV	15374	718938	24.60%	1.201%	
57	16.620	16.601	16.668	VV	14917	548268	18.76%	0.916%	
58	16.699	16.668	16.717	VV	13441	385649	13.20%	0.644%	
59	16.738	16.717	16.768	VV	14412	410197	14.04%	0.685%	
60	16.785	16.768	16.808	VV	13076	302036	10.34%	0.505%	
61	16.962	16.808	17.024	VV	14545	1750509	59.91%	2.925%	
62	17.072	17.024	17.130	VV	15122	890252	30.47%	1.488%	
63	17.230	17.130	17.257	VV	18123	1196487	40.95%	1.999%	
64	17.338	17.257	17.360	VV	19146	1010648	34.59%	1.689%	
65	17.470	17.360	17.495	VV	23127	1628282	55.72%	2.721%	
66	17.530	17.495	17.571	VV	23259	978669	33.49%	1.635%	
67	17.602	17.571	17.636	VV	25423	888374	30.40%	1.484%	
68	17.656	17.636	17.695	VV	22570	749038	25.63%	1.252%	
69	17.731	17.695	17.747	VV	20748	611798	20.94%	1.022%	
70	17.772	17.747	17.970	VV	21867	2160287	73.93%	3.610%	
71	18.010	17.970	18.052	VV	13290	631969	21.63%	1.056%	
72	18.091	18.052	18.119	VV	14255	517192	17.70%	0.864%	
73	18.141	18.119	18.157	VV	11948	265071	9.07%	0.443%	
74	18.243	18.157	18.325	VV	17371	1378657	47.18%	2.304%	
75	18.445	18.325	18.497	VV	15435	1445091	49.46%	2.415%	
76	18.514	18.497	18.548	VV	13402	365747	12.52%	0.611%	
77	18.609	18.548	18.663	VV	15959	797659	27.30%	1.333%	
78	18.926	18.663	18.987	VV	16907	2713007	92.85%	4.533%	
79	19.030	18.987	19.061	VV	17761	696106	23.82%	1.163%	
80	19.085	19.061	19.101	VV	16485	386422	13.22%	0.646%	
81	19.130	19.101	19.181	VV	16221	755200	25.85%	1.262%	
82	19.362	19.181	19.415	VV	23055	2702622	92.49%	4.516%	
83	19.435	19.415	19.454	VV	20648	476212	16.30%	0.796%	
84	19.715	19.575	19.805	VV	23066	2740971	93.80%	4.580%	
85	19.993	19.805	20.041	VV	25118	2922017	100.00%	4.883%	

Sum of corrected areas: 59845362

Instrument : FID_F
ClientSampleId : WC1DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FF031725AL

AreaCount

Parameter Range	FF015685.D	FF015686.D	FF015687.D	FF015688.D	FF015689.D	
Aliphatic C9-C12	35791753.000	18596208.000	8058326.000	4004912.000	1968689.000	
Aliphatic C12-C16	24749935.000	12856373.000	5564326.000	2740629.000	1296185.000	
Aliphatic C16-C21	37540731.000	19647990.000	8562154.000	4228203.000	2056604.000	
Aliphatic C21-C28	47415607.000	25387224.000	11186676.000	5615235.000	2714034.000	
Aliphatic C28-C40	55895010.000	30012799.000	13810725.000	6857806.000	3544442.000	
Aliphatic EPH	201393036.000	106500594.000	47182207.000	23446785.000	11579954.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	128465.799333	5.093				
Aliphatic C12-C16	131614.301	4.815				
Aliphatic C16-C21	135374.393998	5.375				
Aliphatic C21-C28	132278.2325	7.089				
Aliphatic C28-C40	108147.044333	10.091				
Aliphatic EPH	124041.354333	6.861				

Concentration

Parameter Range	FF015685.D	FF015686.D	FF015687.D	FF015688.D	FF015689.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	FF015685.D	FF015686.D	FF015687.D	FF015688.D	FF015689.D	
Aliphatic C9-C12	119305.843333	123974.720000	134305.433333	133497.066666	131245.933333	
Aliphatic C12-C16	123749.675000	128563.730000	139108.150000	137031.450000	129618.500000	
Aliphatic C16-C21	125135.770000	130986.600000	142702.566666	140940.100000	137106.933333	

Initial Calibration Report for SequenceID : FF031725AL

Aliphatic C21-C28	118539.017500	126936.120000	139833.450000	140380.875000	135701.700000	
Aliphatic C28-C40	93158.350000	100042.663333	115089.375000	114296.766666	118148.066666	
Aliphatic EPH	111885.020000	118333.993333	131061.686111	130259.916666	128666.155555	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015685.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 17:32
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Mar 18 02:21:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:20:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.944	13992114	87.482 ug/ml
Spiked Amount 50.000		Recovery =	174.96%
12) S 1-chlorooctadecane (S...	13.377	10671595	89.038 ug/ml
Spiked Amount 50.000		Recovery =	178.08%
Target Compounds			
1) T n-Nonane (C9)	3.312	11714769	88.735 ug/ml
2) T n-Decane (C10)	4.570	11941532	88.896 ug/ml
3) T A~Naphthalene (C11.7)	6.279	12962083	92.903 ug/ml
4) T n-Dodecane (C12)	6.737	12135452	88.863 ug/ml
5) T A~2-methylnaphthalene...	7.376	12513053	95.678 ug/ml
6) T n-Tetradecane (C14)	8.565	12139898	88.866 ug/ml
7) T n-Hexadecane (C16)	10.174	12610037	89.050 ug/ml
8) T n-Octadecane (C18)	11.620	12845153	88.388 ug/ml
10) T n-Eicosane (C20)	12.930	12429970	87.508 ug/ml
11) T n-Heneicosane (C21)	13.543	12265608	87.152 ug/ml
13) T n-Docosane (C22)	14.130	12185094	86.337 ug/ml
14) T n-Tetracosane (C24)	15.234	12072256	85.404 ug/ml
15) T n-Hexacosane (C26)	16.256	11767801	84.960 ug/ml
16) T n-Octacosane (C28)	17.207	11390456	82.339 ug/ml
17) T n-Tricontane (C30)	18.097	11327654	79.091 ug/ml
18) T n-Dotriacontane (C32)	18.930	10744785	77.601 ug/ml
19) T n-Tetratriacontane (C34)	19.713	9816099	78.988 ug/ml
20) T n-Hexatriacontane (C36)	20.452	8638482	81.952 ug/ml
21) T n-Octatriacontane (C38)	21.189	7910401	84.731 ug/ml
22) T n-Tetracontane (C40)	22.105	7457589	86.906 ug/ml

(f)=RT Delta > 1/2 Window

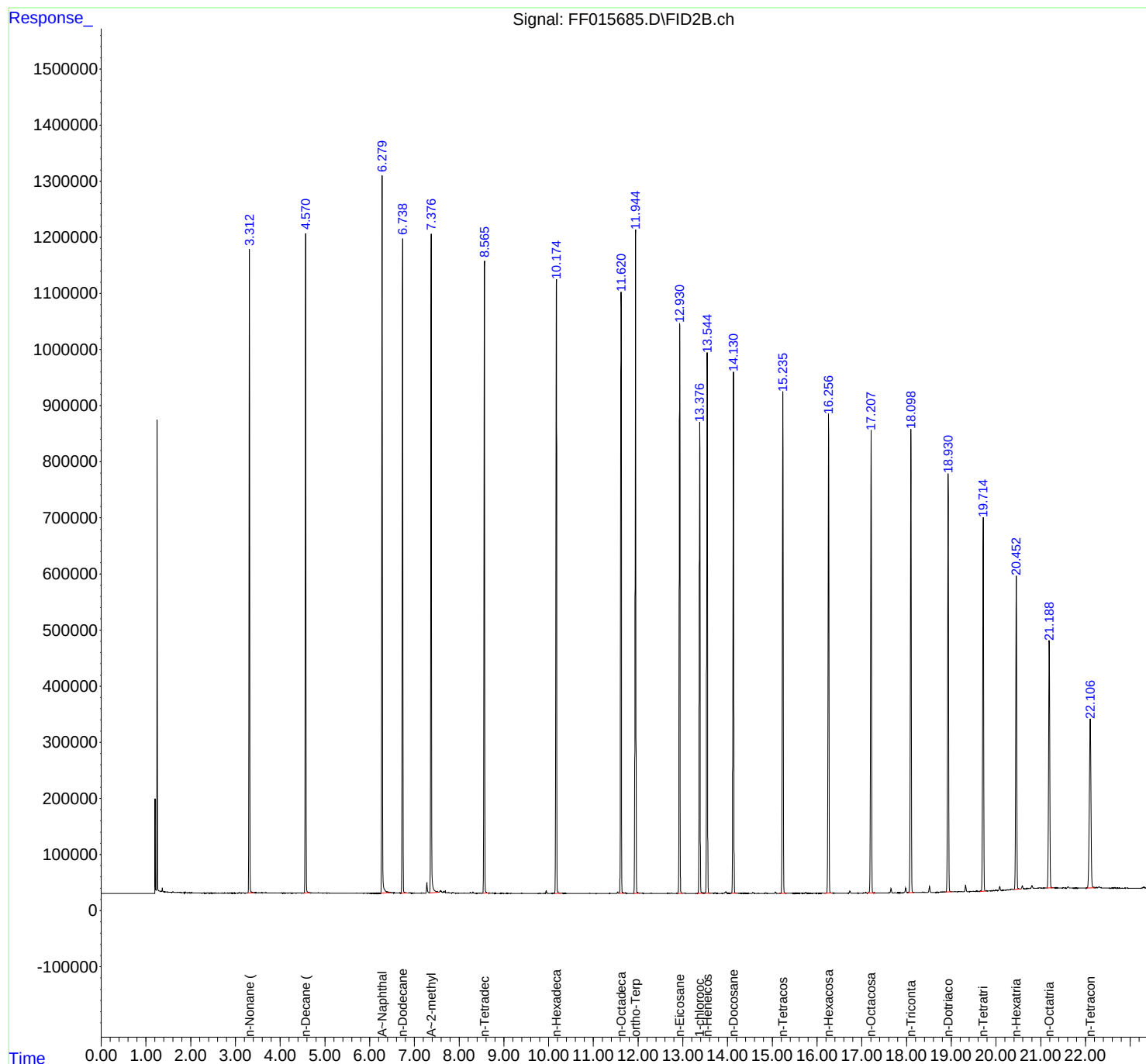
(m)=manual int.

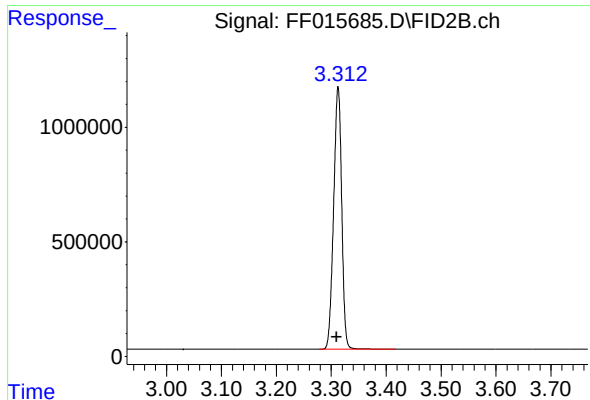
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015685.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 17:32
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Mar 18 02:21:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:20:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

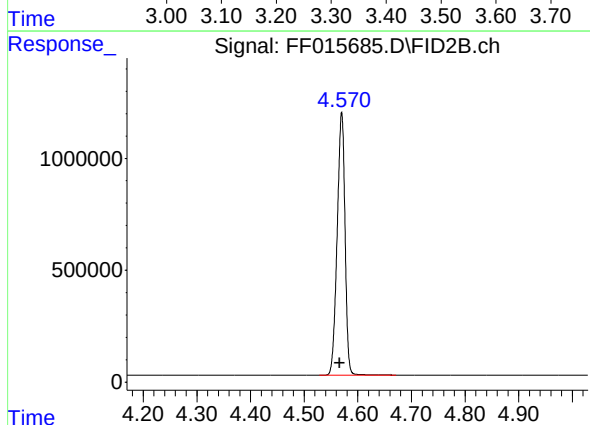




#1 n-Nonane (C9)

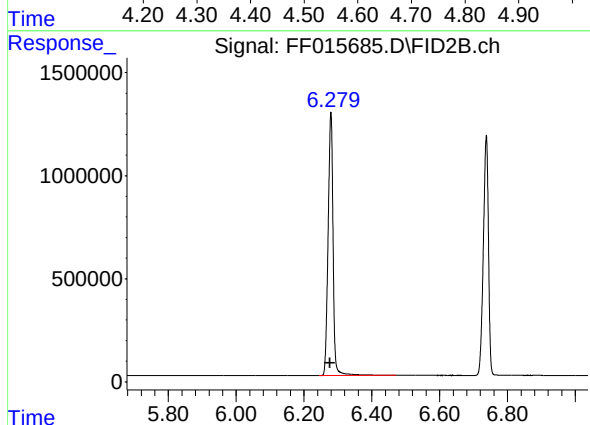
R.T.: 3.312 min
Delta R.T.: 0.002 min
Response: 11714769
Conc: 88.73 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



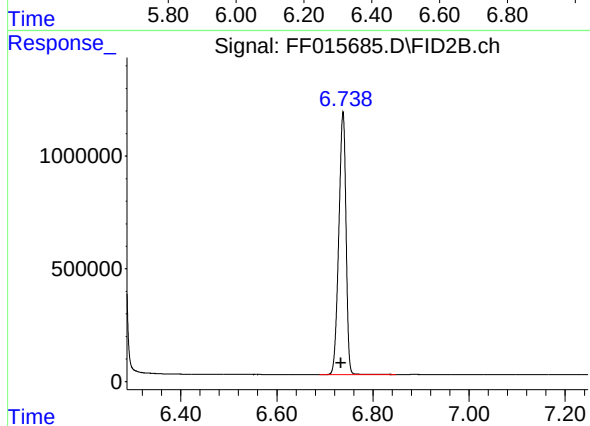
#2 n-Decane (C10)

R.T.: 4.570 min
Delta R.T.: 0.004 min
Response: 11941532
Conc: 88.90 ug/ml



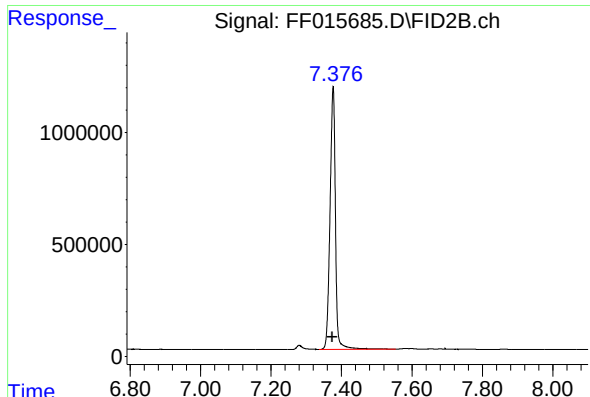
#3 A~Naphthalene (C11.7)

R.T.: 6.279 min
Delta R.T.: 0.003 min
Response: 12962083
Conc: 92.90 ug/ml



#4 n-Dodecane (C12)

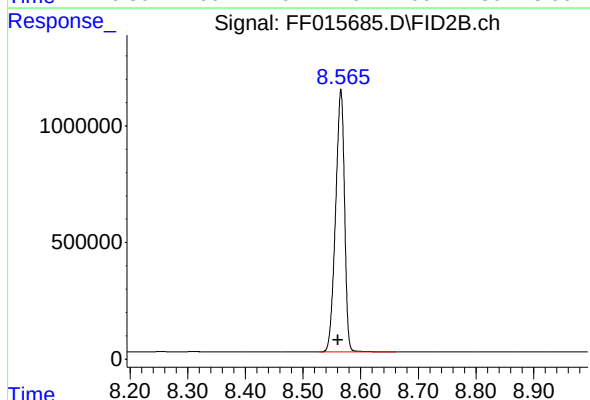
R.T.: 6.737 min
Delta R.T.: 0.004 min
Response: 12135452
Conc: 88.86 ug/ml



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

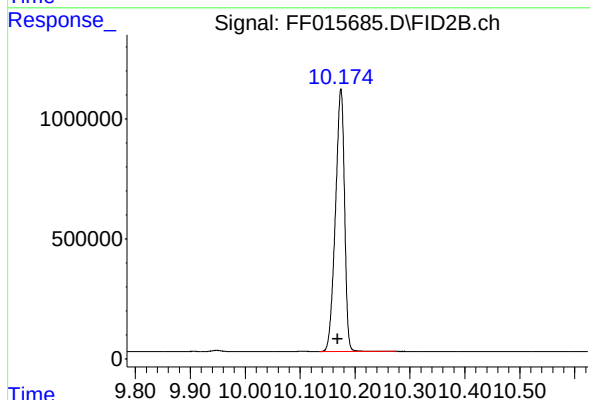
R.T.: 7.376 min
Delta R.T.: 0.002 min
Response: 12513053
Conc: 95.68 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



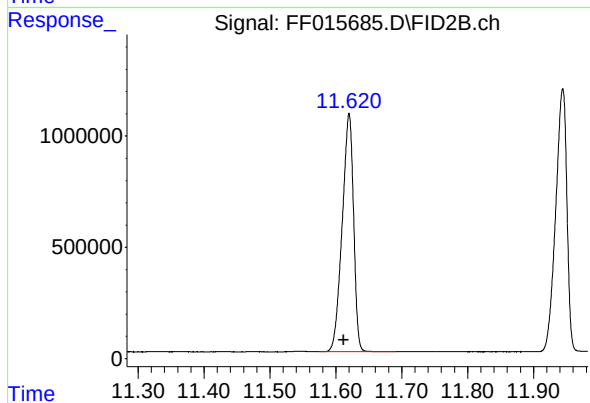
#6 n-Tetradecane (C14)

R.T.: 8.565 min
Delta R.T.: 0.005 min
Response: 12139898
Conc: 88.87 ug/ml



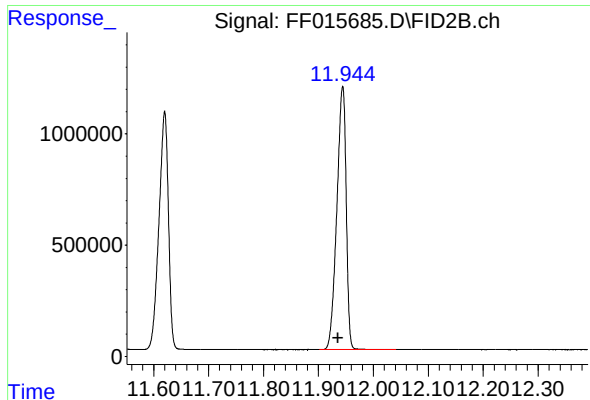
#7 n-Hexadecane (C16)

R.T.: 10.174 min
Delta R.T.: 0.006 min
Response: 12610037
Conc: 89.05 ug/ml



#8 n-Octadecane (C18)

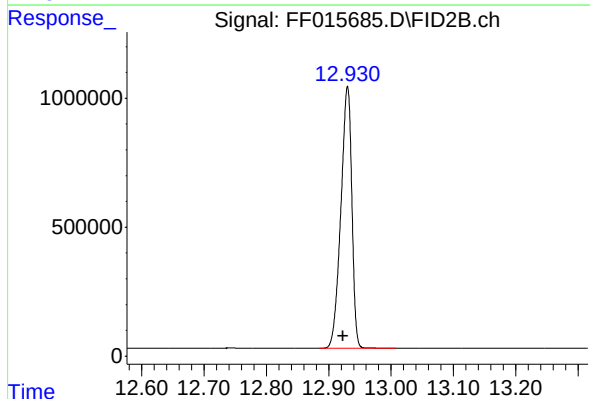
R.T.: 11.620 min
Delta R.T.: 0.008 min
Response: 12845153
Conc: 88.39 ug/ml



#9 ortho-Terphenyl (SURR)

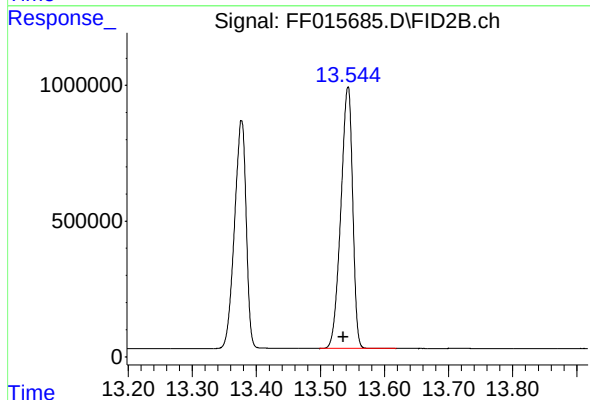
R.T.: 11.944 min
Delta R.T.: 0.008 min
Response: 13992114
Conc: 87.48 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



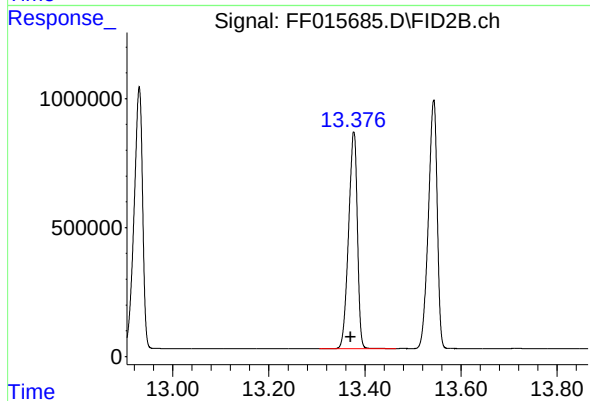
#10 n-Eicosane (C20)

R.T.: 12.930 min
Delta R.T.: 0.007 min
Response: 12429970
Conc: 87.51 ug/ml



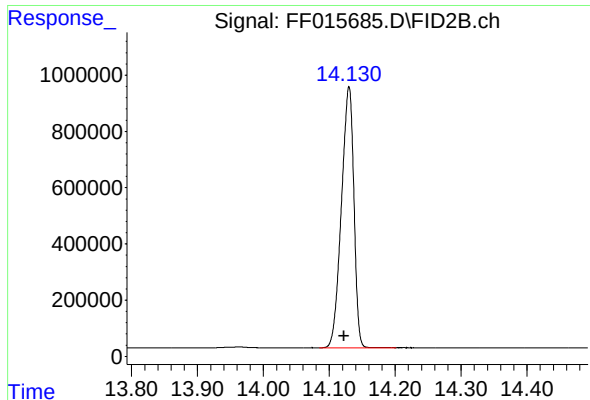
#11 n-Heneicosane (C21)

R.T.: 13.543 min
Delta R.T.: 0.007 min
Response: 12265608
Conc: 87.15 ug/ml



#12 1-chlorooctadecane (SURR)

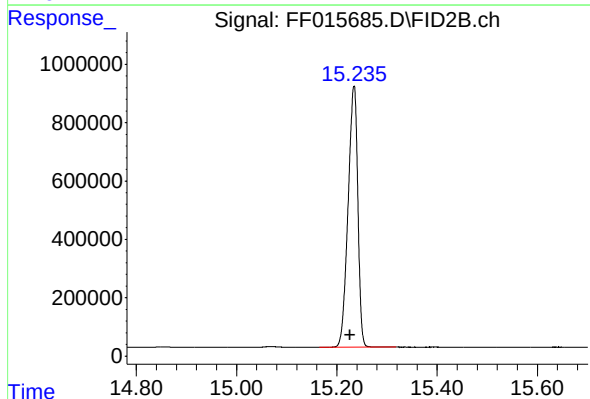
R.T.: 13.377 min
Delta R.T.: 0.006 min
Response: 10671595
Conc: 89.04 ug/ml



#13 n-Docosane (C22)

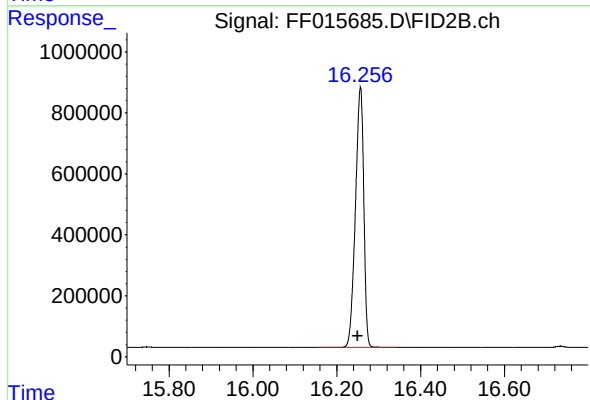
R.T.: 14.130 min
Delta R.T.: 0.007 min
Response: 12185094
Conc: 86.34 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



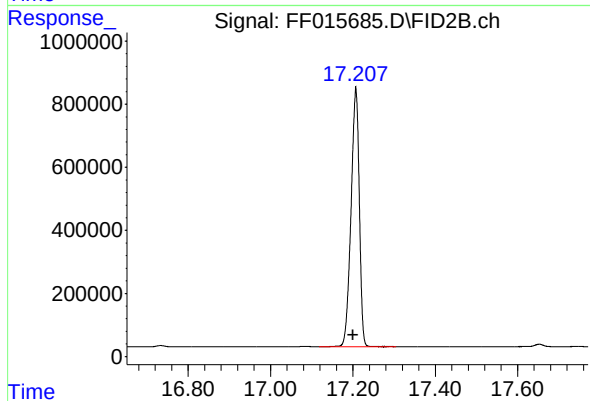
#14 n-Tetracosane (C24)

R.T.: 15.234 min
Delta R.T.: 0.007 min
Response: 12072256
Conc: 85.40 ug/ml



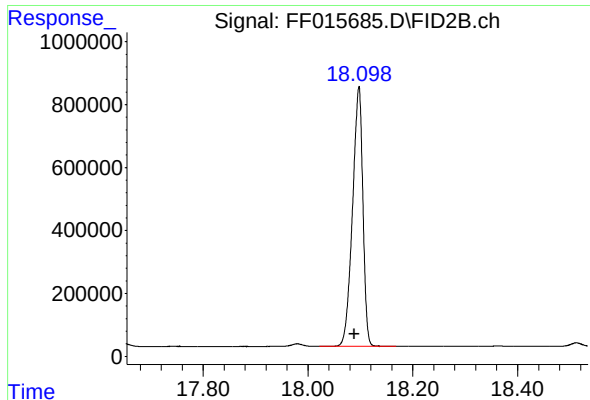
#15 n-Hexacosane (C26)

R.T.: 16.256 min
Delta R.T.: 0.007 min
Response: 11767801
Conc: 84.96 ug/ml



#16 n-Octacosane (C28)

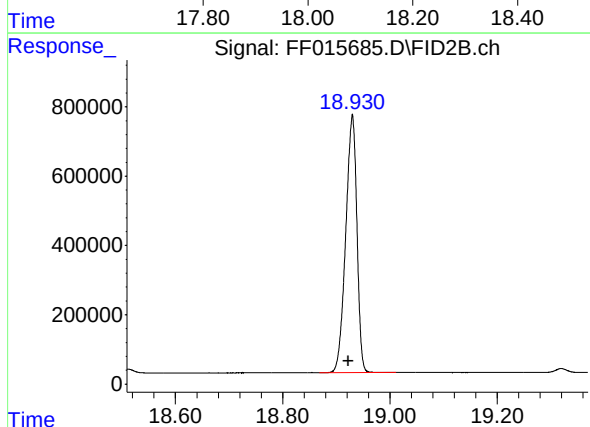
R.T.: 17.207 min
Delta R.T.: 0.007 min
Response: 11390456
Conc: 82.34 ug/ml



#17 n-Tricontane (C30)

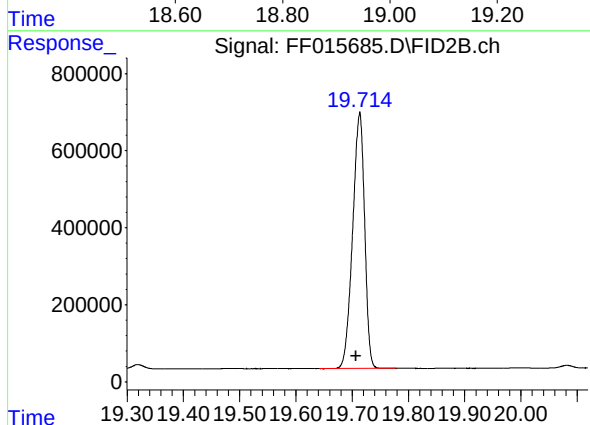
R.T.: 18.097 min
Delta R.T.: 0.008 min
Response: 11327654
Conc: 79.09 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



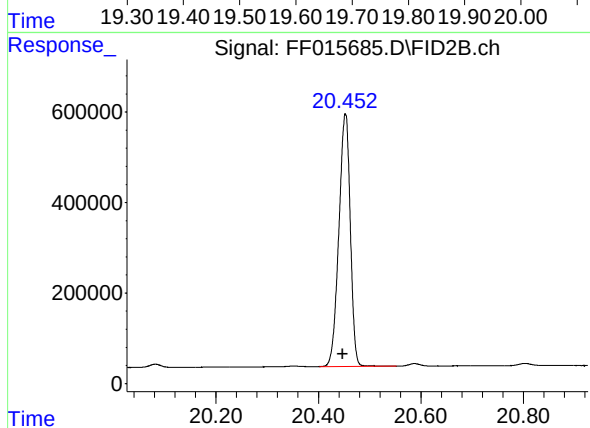
#18 n-Dotriacontane (C32)

R.T.: 18.930 min
Delta R.T.: 0.007 min
Response: 10744785
Conc: 77.60 ug/ml



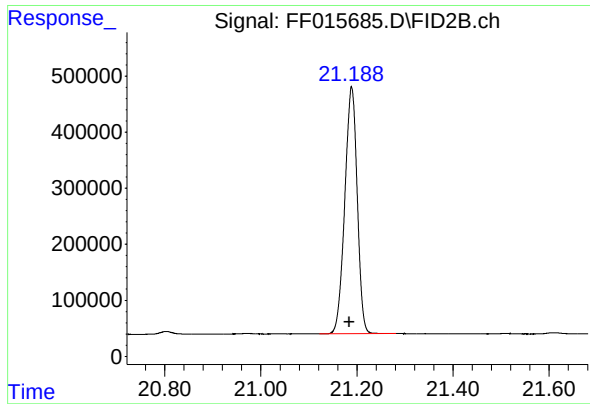
#19 n-Tetatriacontane (C34)

R.T.: 19.713 min
Delta R.T.: 0.007 min
Response: 9816099
Conc: 78.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.452 min
Delta R.T.: 0.005 min
Response: 8638482
Conc: 81.95 ug/ml



#21 n-Octatriacontane (C38)

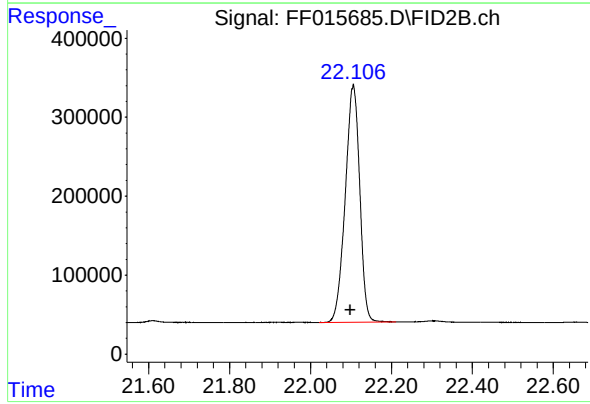
R.T.: 21.189 min
Delta R.T.: 0.005 min
Response: 7910401
Conc: 84.73 ug/ml

Instrument :

FID_F

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.105 min
Delta R.T.: 0.006 min
Response: 7457589
Conc: 86.91 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015685.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 17:32
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.312	3.278	3.418	BB	1140419	11714769	83.72%	4.657%
2	4.570	4.528	4.671	BB	1183155	11941532	85.34%	4.748%
3	6.279	6.245	6.471	BB	1265304	12962083	92.64%	5.153%
4	6.737	6.688	6.848	BB	1167232	12135452	86.73%	4.825%
5	7.376	7.336	7.555	PV	1159355	12513053	89.43%	4.975%
6	8.565	8.528	8.661	BB	1116147	12139898	86.76%	4.826%
7	10.174	10.135	10.275	BB	1098848	12610037	90.12%	5.013%
8	11.620	11.575	11.691	BV	1077834	12845153	91.80%	5.107%
9	11.944	11.901	12.041	BB	1191934	13992114	100.00%	5.563%
10	12.930	12.885	13.008	BB	1022308	12429970	88.84%	4.942%
11	13.377	13.305	13.465	BB	847879	10671595	76.27%	4.243%
12	13.543	13.498	13.618	BB	959532	12265608	87.66%	4.876%
13	14.130	14.085	14.201	BB	936993	12185094	87.09%	4.844%
14	15.234	15.165	15.318	BB	902498	12072256	86.28%	4.799%
15	16.256	16.158	16.341	BB	861551	11767801	84.10%	4.678%
16	17.207	17.118	17.305	BB	820300	11390456	81.41%	4.528%
17	18.097	18.021	18.168	BB	834718	11327654	80.96%	4.503%
18	18.930	18.868	19.011	BB	745001	10744785	76.79%	4.272%
19	19.713	19.641	19.778	BB	668021	9816099	70.15%	3.903%
20	20.452	20.401	20.551	BV	558857	8638482	61.74%	3.434%
21	21.189	21.121	21.281	BB	440766	7910401	56.53%	3.145%
22	22.105	22.021	22.211	BB	298780	7457589	53.30%	2.965%
Sum of corrected areas:						251531881		

Aliphatic EPH 031725.M Tue Mar 18 02:42:54 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015686.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 18:01
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Mar 18 02:22:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:20:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.937	7290625	45.583 ug/ml
Spiked Amount 50.000		Recovery =	91.17%
12) S 1-chlorooctadecane (S...	13.372	5563119	46.415 ug/ml
Spiked Amount 50.000		Recovery =	92.83%
Target Compounds			
1) T n-Nonane (C9)	3.311	6092632	46.149 ug/ml
2) T n-Decane (C10)	4.568	6207894	46.213 ug/ml
3) T A~Naphthalene (C11.7)	6.276	6629415	47.515 ug/ml
4) T n-Dodecane (C12)	6.734	6295682	46.101 ug/ml
5) T A~2-methylnaphthalene...	7.373	6382167	48.800 ug/ml
6) T n-Tetradecane (C14)	8.562	6305725	46.159 ug/ml
7) T n-Hexadecane (C16)	10.170	6550648	46.259 ug/ml
8) T n-Octadecane (C18)	11.614	6700763	46.108 ug/ml
10) T n-Eicosane (C20)	12.925	6513625	45.857 ug/ml
11) T n-Heneicosane (C21)	13.537	6433602	45.713 ug/ml
13) T n-Docosane (C22)	14.125	6434543	45.592 ug/ml
14) T n-Tetracosane (C24)	15.229	6461530	45.712 ug/ml
15) T n-Hexacosane (C26)	16.252	6321268	45.638 ug/ml
16) T n-Octacosane (C28)	17.202	6169883	44.601 ug/ml
17) T n-Tricontane (C30)	18.091	6147370	42.922 ug/ml
18) T n-Dotriacontane (C32)	18.924	5836343	42.151 ug/ml
19) T n-Tetratriacontane (C34)	19.708	5274079	42.440 ug/ml
20) T n-Hexatriacontane (C36)	20.449	4589204	43.537 ug/ml
21) T n-Octatriacontane (C38)	21.186	4197637	44.963 ug/ml
22) T n-Tetracontane (C40)	22.100	3968166	46.243 ug/ml

(f)=RT Delta > 1/2 Window

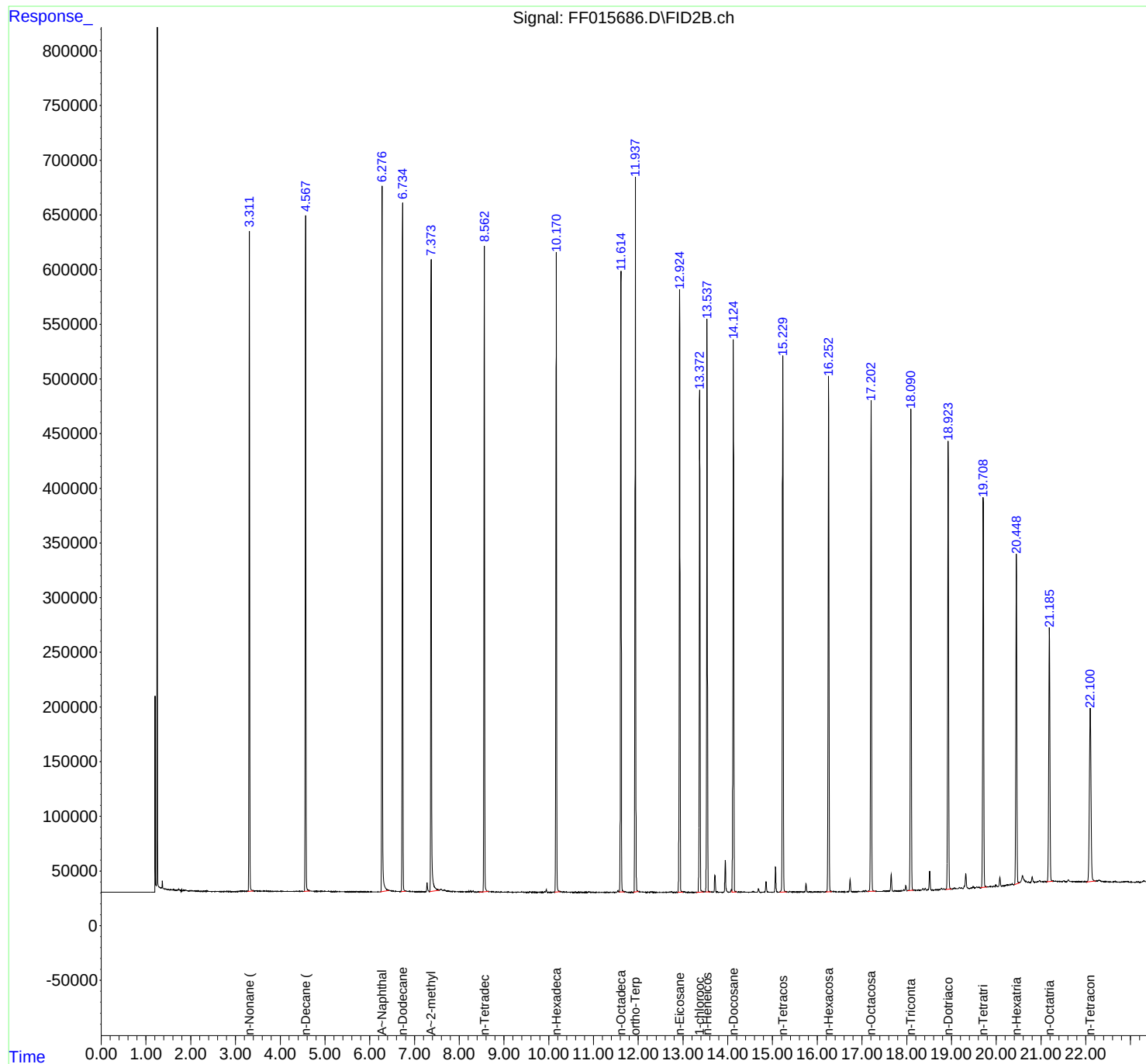
(m)=manual int.

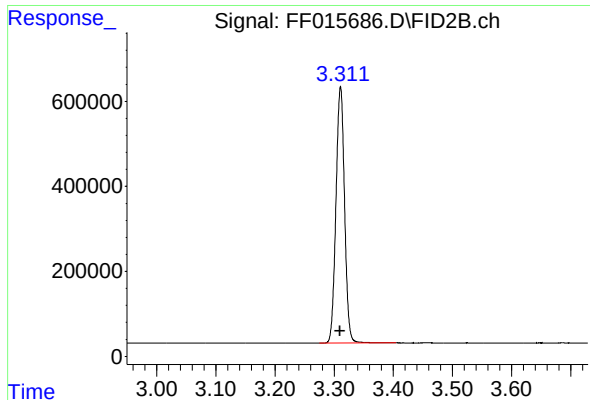
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015686.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 18:01
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Mar 18 02:22:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:20:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

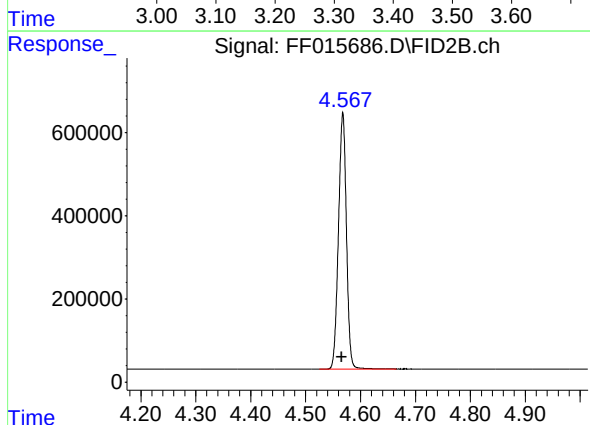




#1 n-Nonane (C9)

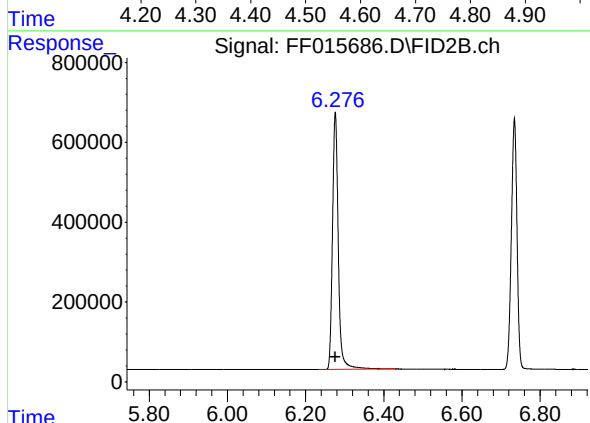
R.T.: 3.311 min
Delta R.T.: 0.000 min
Response: 6092632
Conc: 46.15 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



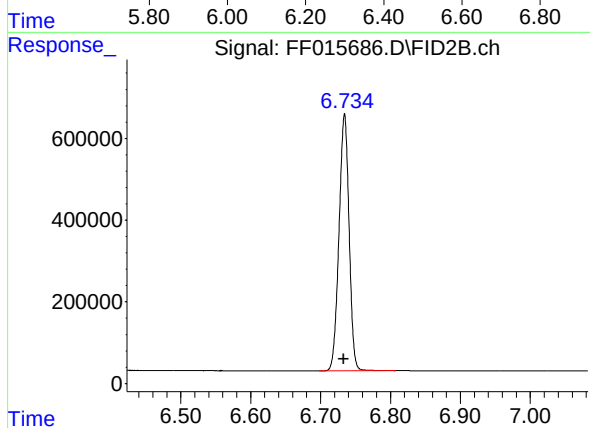
#2 n-Decane (C10)

R.T.: 4.568 min
Delta R.T.: 0.002 min
Response: 6207894
Conc: 46.21 ug/ml



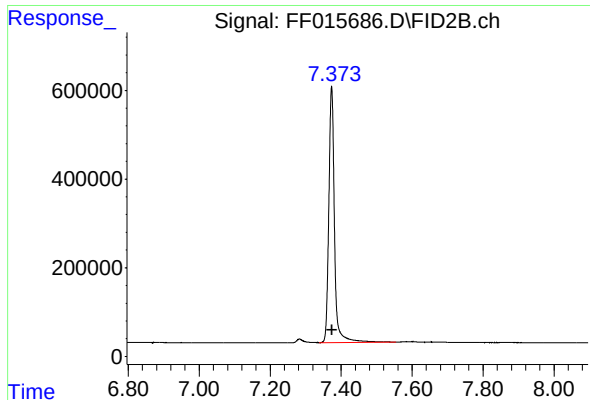
#3 A~Naphthalene (C11.7)

R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 6629415
Conc: 47.51 ug/ml



#4 n-Dodecane (C12)

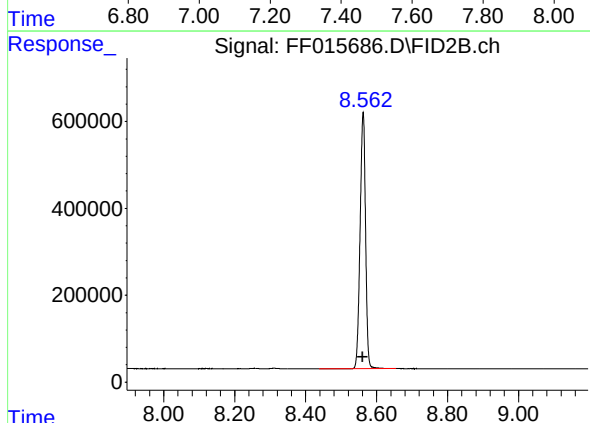
R.T.: 6.734 min
Delta R.T.: 0.001 min
Response: 6295682
Conc: 46.10 ug/ml



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

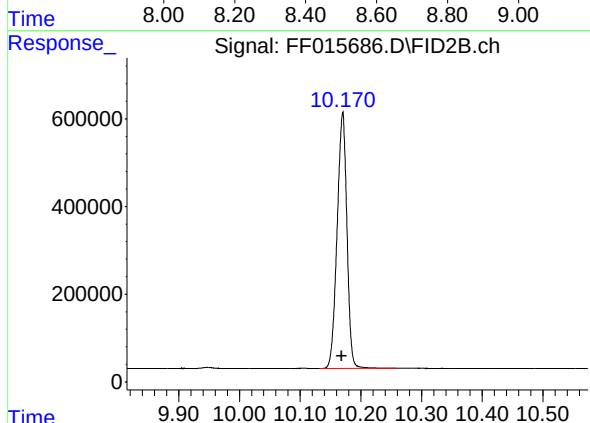
R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 6382167
Conc: 48.80 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



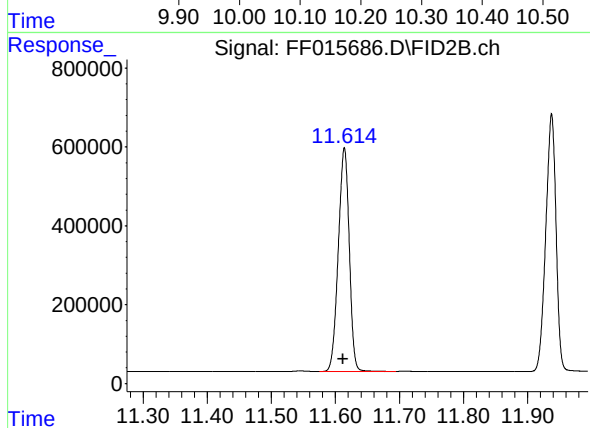
#6 n-Tetradecane (C14)

R.T.: 8.562 min
Delta R.T.: 0.001 min
Response: 6305725
Conc: 46.16 ug/ml



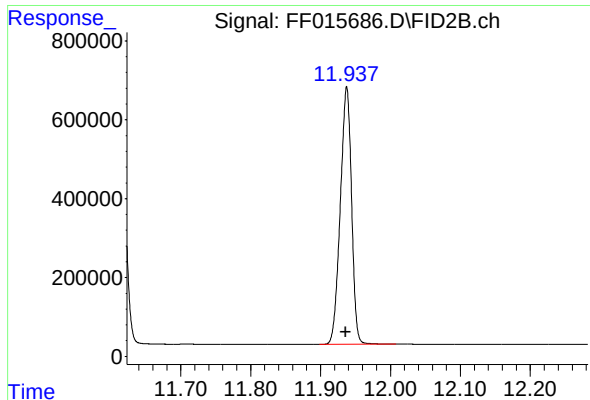
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: 0.001 min
Response: 6550648
Conc: 46.26 ug/ml



#8 n-Octadecane (C18)

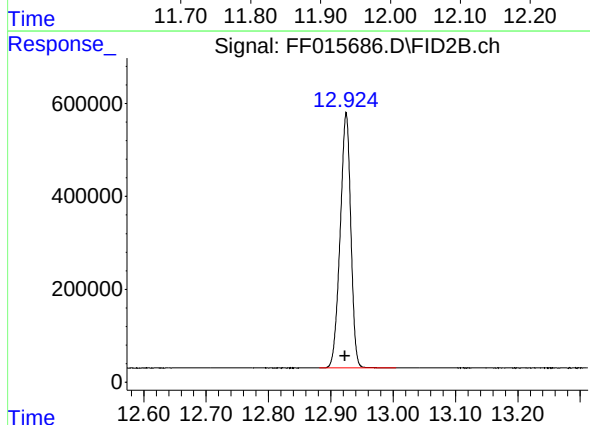
R.T.: 11.614 min
Delta R.T.: 0.002 min
Response: 6700763
Conc: 46.11 ug/ml



#9 ortho-Terphenyl (SURR)

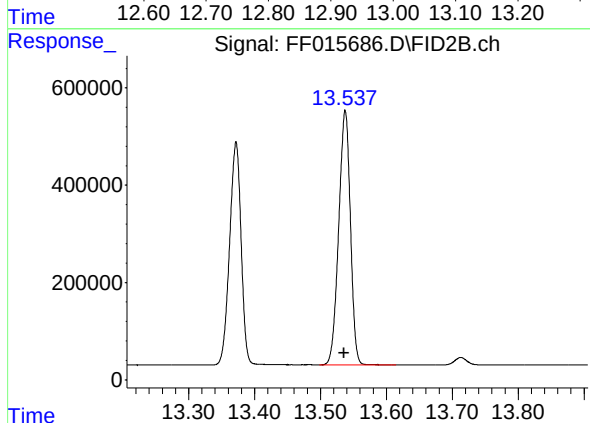
R.T.: 11.937 min
Delta R.T.: 0.001 min
Response: 7290625
Conc: 45.58 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



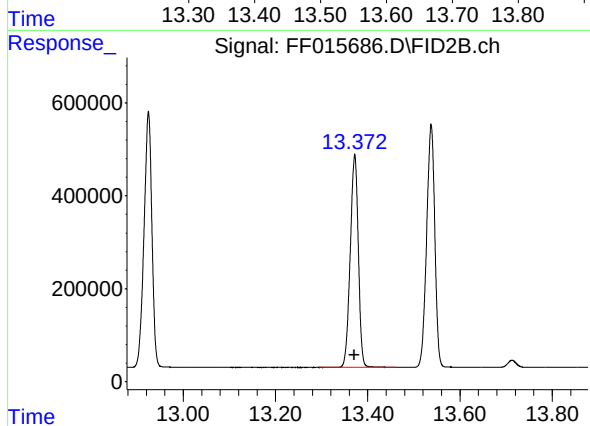
#10 n-Eicosane (C20)

R.T.: 12.925 min
Delta R.T.: 0.001 min
Response: 6513625
Conc: 45.86 ug/ml



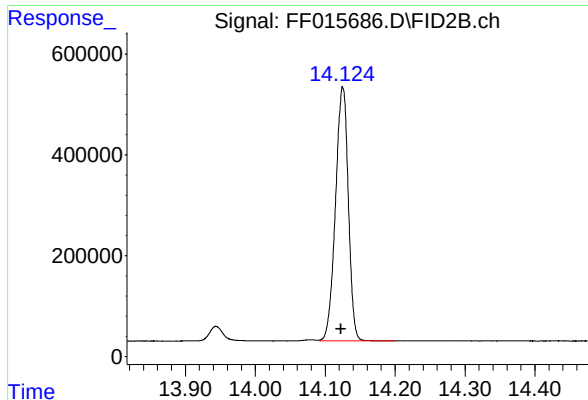
#11 n-Heneicosane (C21)

R.T.: 13.537 min
Delta R.T.: 0.002 min
Response: 6433602
Conc: 45.71 ug/ml



#12 1-chlorooctadecane (SURR)

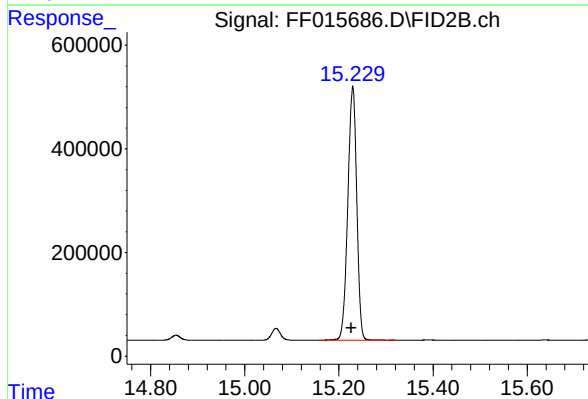
R.T.: 13.372 min
Delta R.T.: 0.001 min
Response: 5563119
Conc: 46.42 ug/ml



#13 n-Docosane (C22)

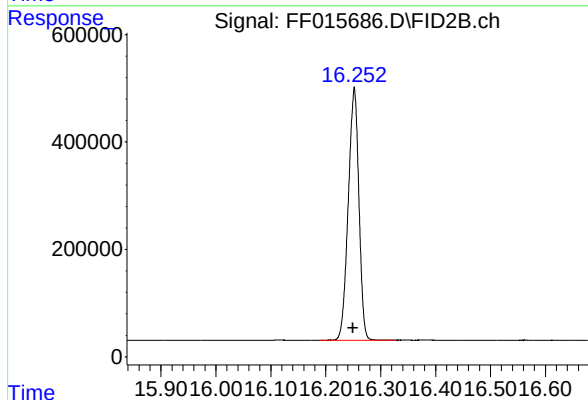
R.T.: 14.125 min
Delta R.T.: 0.002 min
Response: 6434543
Conc: 45.59 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



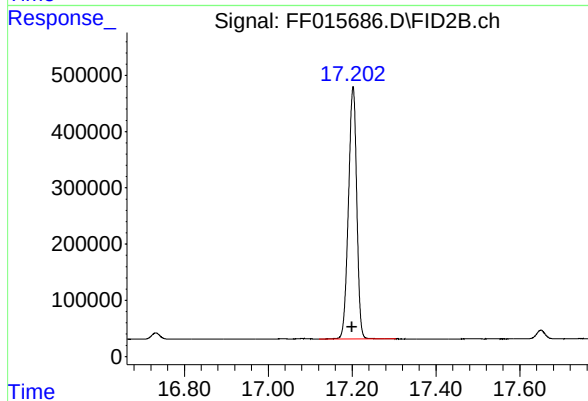
#14 n-Tetracosane (C24)

R.T.: 15.229 min
Delta R.T.: 0.003 min
Response: 6461530
Conc: 45.71 ug/ml



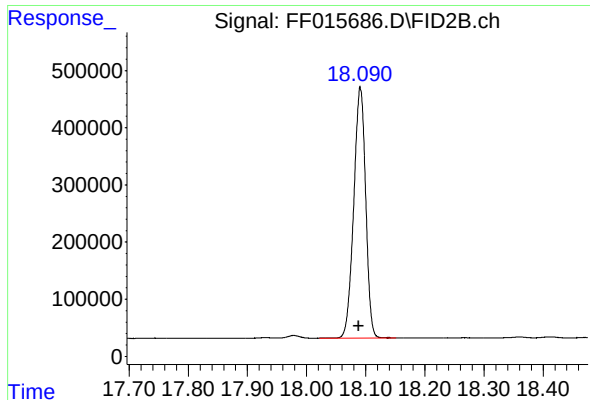
#15 n-Hexacosane (C26)

R.T.: 16.252 min
Delta R.T.: 0.002 min
Response: 6321268
Conc: 45.64 ug/ml



#16 n-Octacosane (C28)

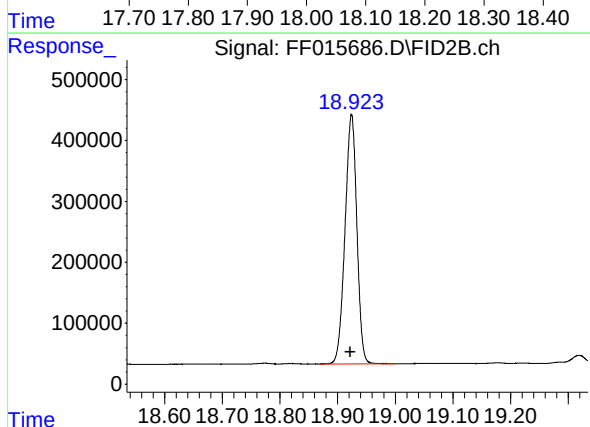
R.T.: 17.202 min
Delta R.T.: 0.002 min
Response: 6169883
Conc: 44.60 ug/ml



#17 n-Tricontane (C30)

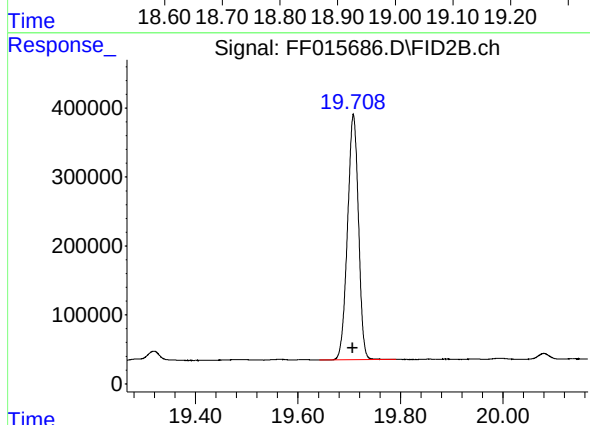
R.T.: 18.091 min
Delta R.T.: 0.002 min
Response: 6147370
Conc: 42.92 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



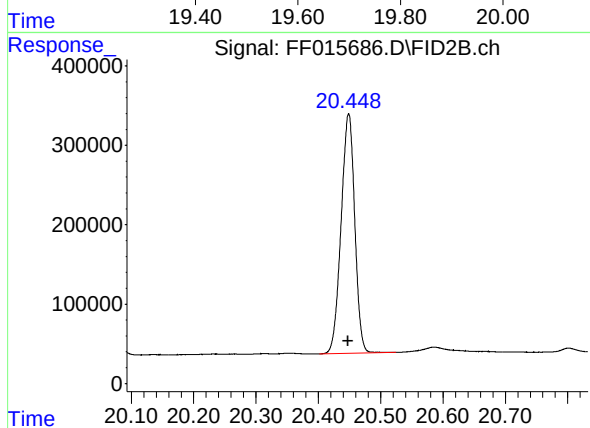
#18 n-Dotriacontane (C32)

R.T.: 18.924 min
Delta R.T.: 0.002 min
Response: 5836343
Conc: 42.15 ug/ml



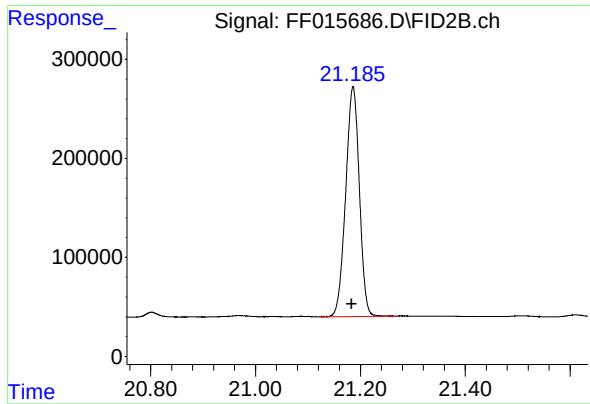
#19 n-Tetratriacontane (C34)

R.T.: 19.708 min
Delta R.T.: 0.002 min
Response: 5274079
Conc: 42.44 ug/ml



#20 n-Hexatriacontane (C36)

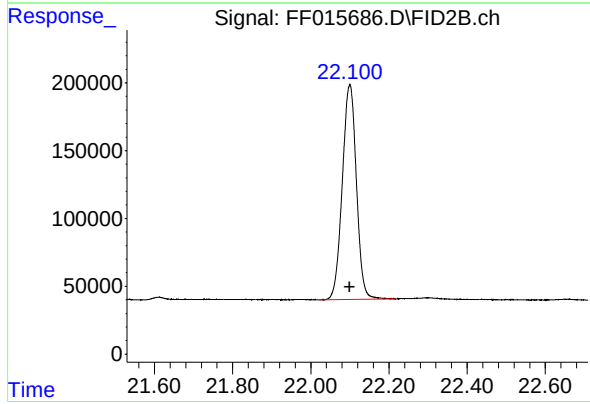
R.T.: 20.449 min
Delta R.T.: 0.001 min
Response: 4589204
Conc: 43.54 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.186 min
Delta R.T.: 0.002 min
Response: 4197637
Conc: 44.96 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.100 min
Delta R.T.: 0.000 min
Response: 3968166
Conc: 46.24 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015686.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 18:01
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.311	3.275	3.405	BB	604659	6092632	83.57%	4.603%
2	4.568	4.525	4.665	BB	616634	6207894	85.15%	4.690%
3	6.276	6.235	6.431	BB	641967	6629415	90.93%	5.008%
4	6.734	6.698	6.808	BB	628330	6295682	86.35%	4.756%
5	7.373	7.338	7.555	PV	577816	6382167	87.54%	4.822%
6	8.562	8.438	8.655	BB	588328	6305725	86.49%	4.764%
7	10.170	10.131	10.258	BB	587121	6550648	89.85%	4.949%
8	11.614	11.575	11.695	BV	569057	6700763	91.91%	5.062%
9	11.937	11.898	12.008	BB	654839	7290625	100.00%	5.508%
10	12.925	12.881	13.005	BB	549797	6513625	89.34%	4.921%
11	13.372	13.295	13.461	BB	455885	5563119	76.31%	4.203%
12	13.537	13.498	13.615	BB	524256	6433602	88.24%	4.860%
13	14.125	14.091	14.201	VB	504967	6434543	88.26%	4.861%
14	15.229	15.158	15.321	BB	485601	6461530	88.63%	4.882%
15	16.252	16.188	16.328	BB	466871	6321268	86.70%	4.776%
16	17.202	17.121	17.305	BB	447276	6169883	84.63%	4.661%
17	18.091	18.021	18.151	BB	439046	6147370	84.32%	4.644%
18	18.924	18.868	19.001	BB	410699	5836343	80.05%	4.409%
19	19.708	19.641	19.791	BB	354825	5274079	72.34%	3.984%
20	20.449	20.401	20.525	BB	302055	4589204	62.95%	3.467%
21	21.186	21.121	21.268	BB	231875	4197637	57.58%	3.171%
22	22.100	22.021	22.218	BB	158709	3968166	54.43%	2.998%

Sum of corrected areas: 132365919

Aliphatic EPH 031725.M Tue Mar 18 02:43:32 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015687.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 18:31
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Mar 18 02:22:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:20:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.936	3198868	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.371	2397098	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.310	2640406	20.000 ug/ml
2) T n-Decane (C10)	4.566	2686639	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.277	2790457	20.000 ug/ml
4) T n-Dodecane (C12)	6.733	2731281	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.374	2615659	20.000 ug/ml
6) T n-Tetradecane (C14)	8.560	2732194	20.000 ug/ml
7) T n-Hexadecane (C16)	10.168	2832132	20.000 ug/ml
8) T n-Octadecane (C18)	11.612	2906526	20.000 ug/ml
10) T n-Eicosane (C20)	12.923	2840867	20.000 ug/ml
11) T n-Heneicosane (C21)	13.536	2814761	20.000 ug/ml
13) T n-Docosane (C22)	14.122	2822676	20.000 ug/ml
14) T n-Tetracosane (C24)	15.227	2827080	20.000 ug/ml
15) T n-Hexacosane (C26)	16.250	2770191	20.000 ug/ml
16) T n-Octacosane (C28)	17.200	2766729	20.000 ug/ml
17) T n-Tricontane (C30)	18.089	2864448	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.922	2769226	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.707	2485455	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.447	2108187	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.184	1867170	20.000 ug/ml
22) T n-Tetracontane (C40)	22.099	1716239	20.000 ug/ml

(f)=RT Delta > 1/2 Window

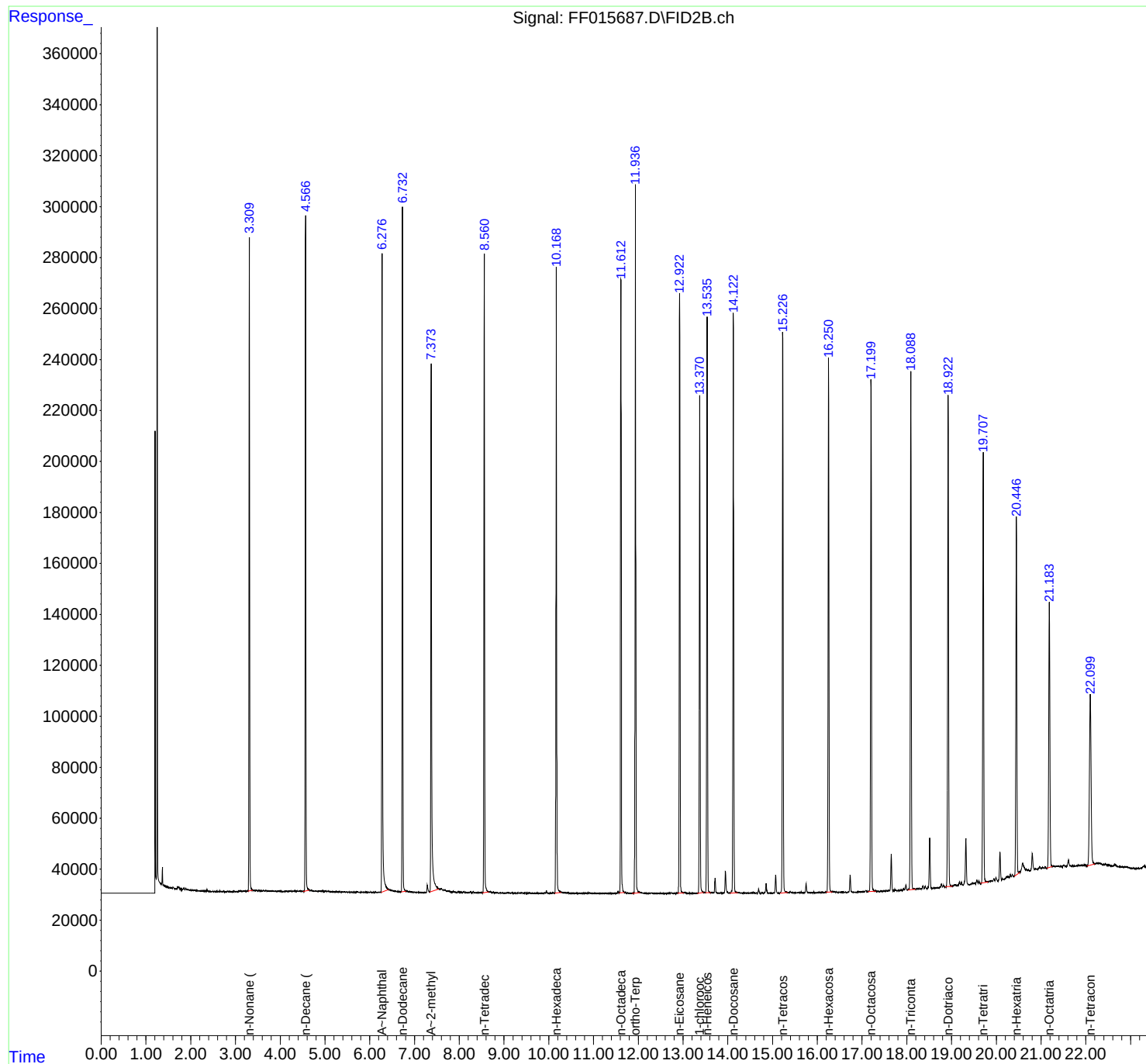
(m)=manual int.

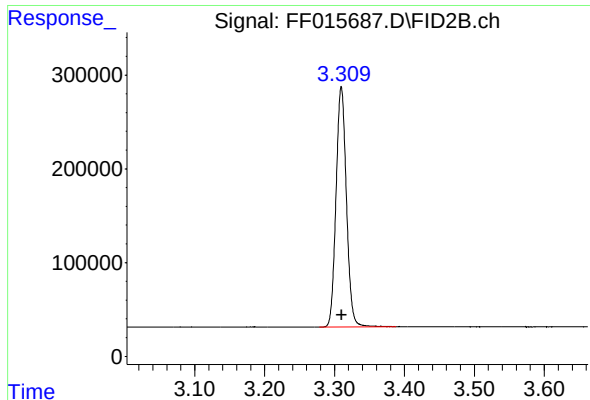
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015687.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 18:31
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Mar 18 02:22:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:20:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

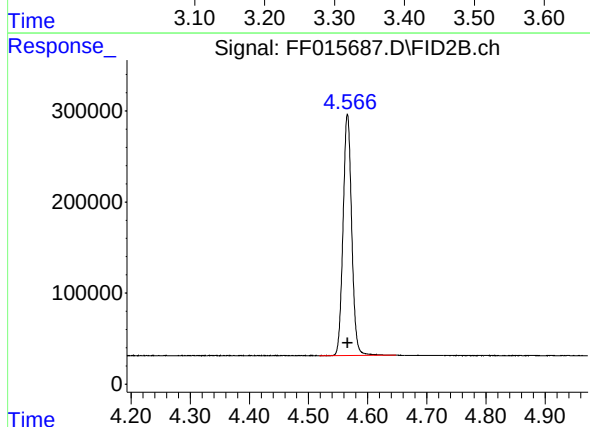




#1 n-Nonane (C9)

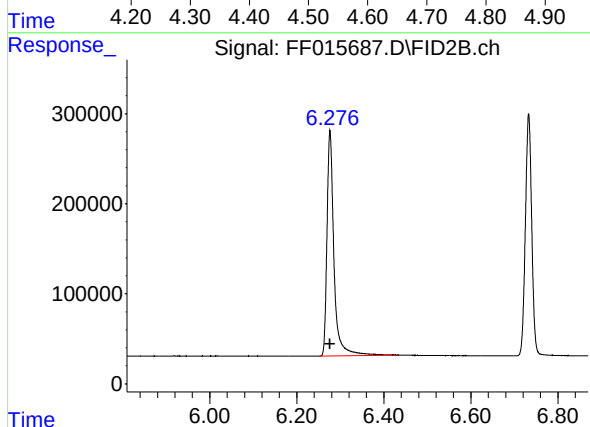
R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 2640406
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



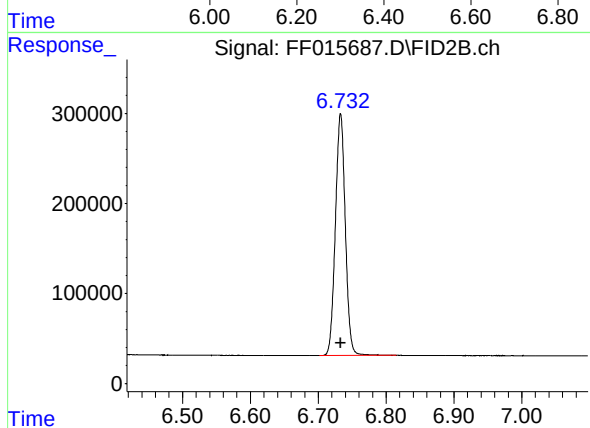
#2 n-Decane (C10)

R.T.: 4.566 min
Delta R.T.: 0.000 min
Response: 2686639
Conc: 20.00 ug/ml



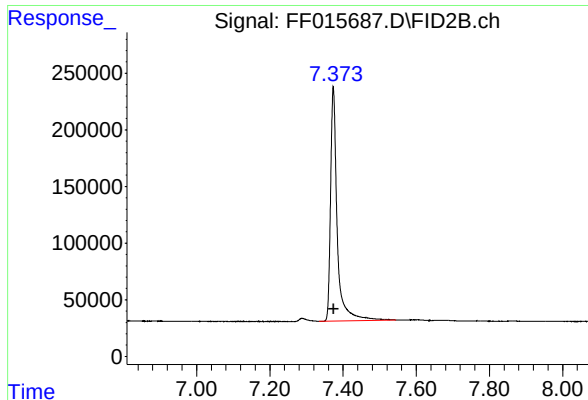
#3 A~Naphthalene (C11.7)

R.T.: 6.277 min
Delta R.T.: 0.000 min
Response: 2790457
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

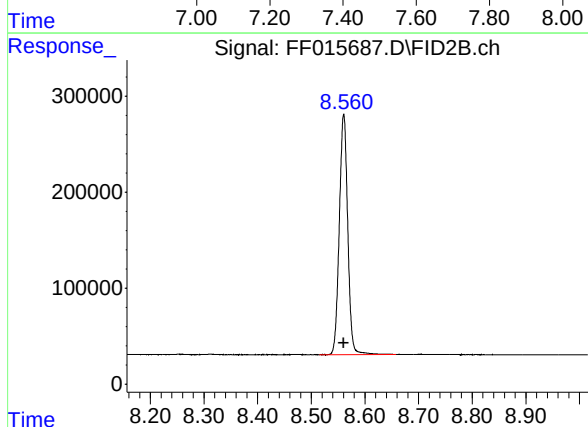
R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 2731281
Conc: 20.00 ug/ml



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

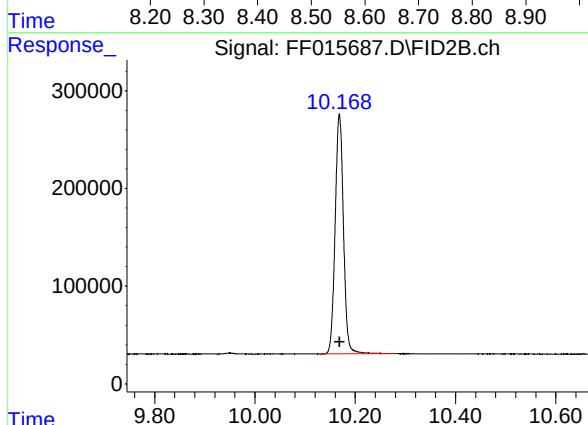
R.T.: 7.374 min
Delta R.T.: 0.000 min
Response: 2615659
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



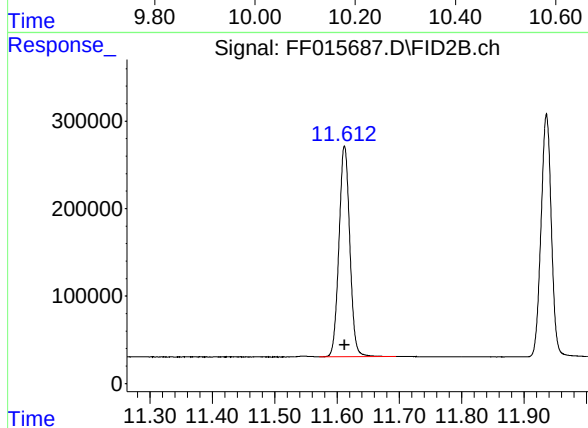
#6 n-Tetradecane (C14)

R.T.: 8.560 min
Delta R.T.: 0.000 min
Response: 2732194
Conc: 20.00 ug/ml



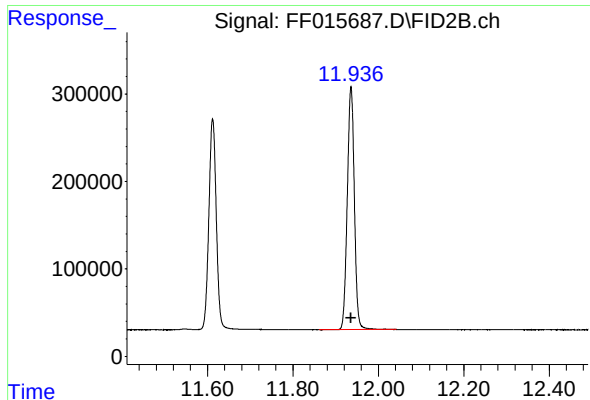
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: 0.000 min
Response: 2832132
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

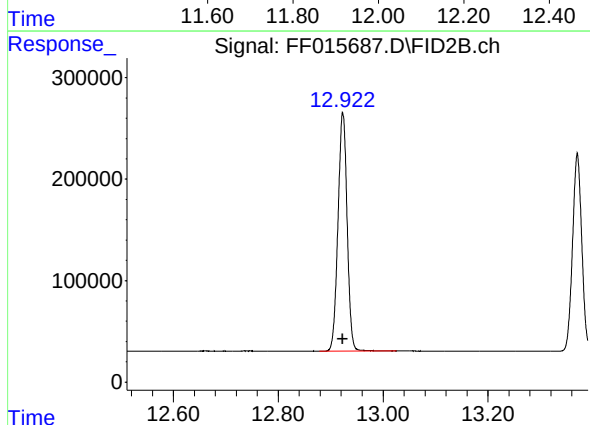
R.T.: 11.612 min
Delta R.T.: 0.000 min
Response: 2906526
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

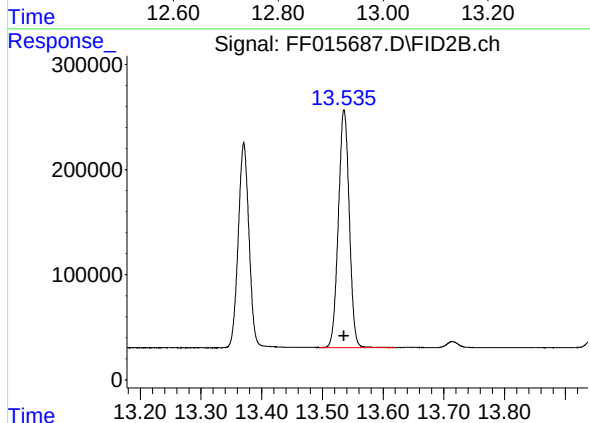
R.T.: 11.936 min
Delta R.T.: 0.000 min
Response: 3198868
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



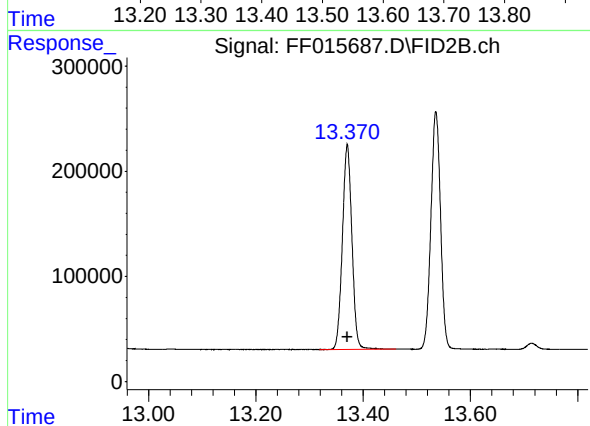
#10 n-Eicosane (C20)

R.T.: 12.923 min
Delta R.T.: 0.000 min
Response: 2840867
Conc: 20.00 ug/ml



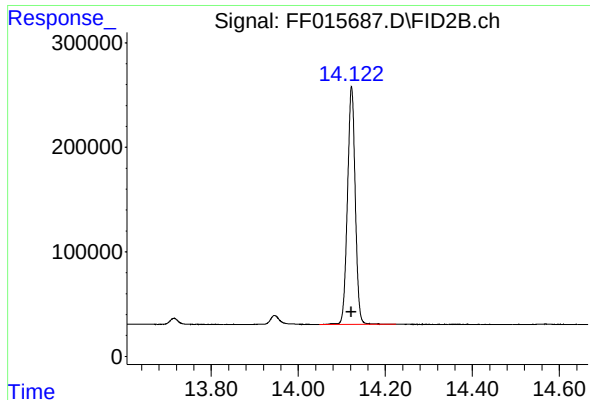
#11 n-Heneicosane (C21)

R.T.: 13.536 min
Delta R.T.: 0.000 min
Response: 2814761
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

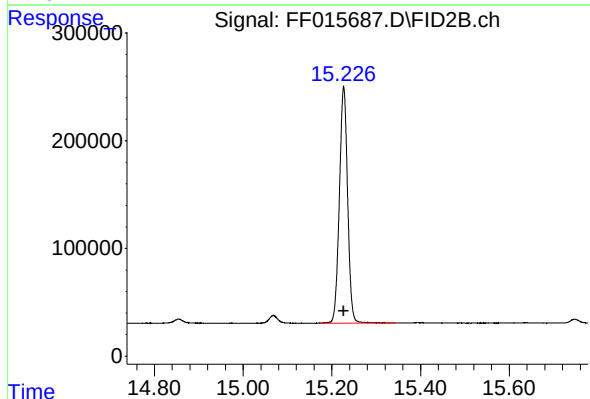
R.T.: 13.371 min
Delta R.T.: 0.000 min
Response: 2397098
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

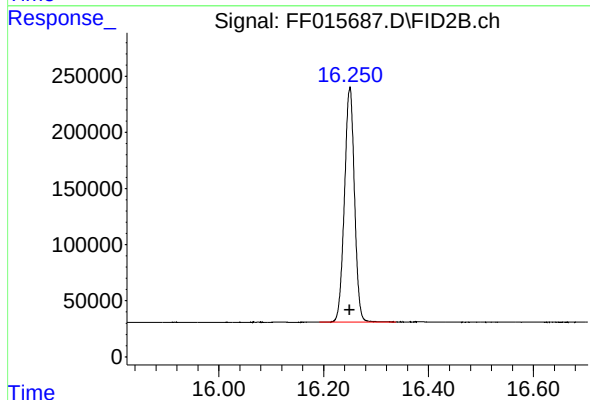
R.T.: 14.122 min
Delta R.T.: 0.000 min
Response: 2822676
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



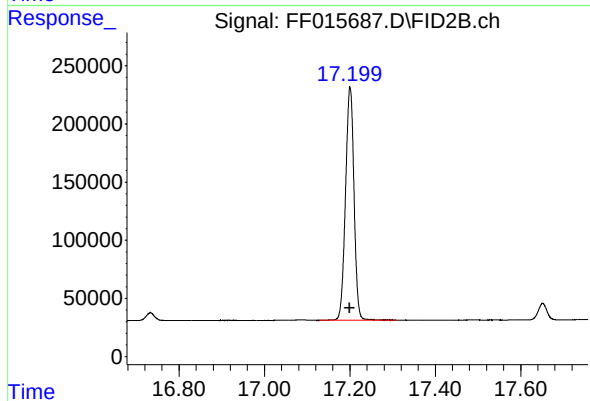
#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: 0.000 min
Response: 2827080
Conc: 20.00 ug/ml



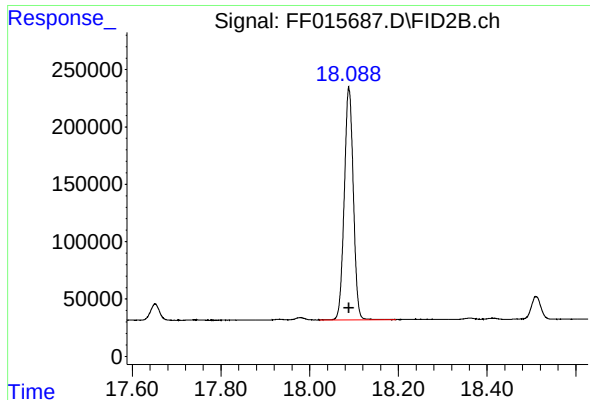
#15 n-Hexacosane (C26)

R.T.: 16.250 min
Delta R.T.: 0.000 min
Response: 2770191
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

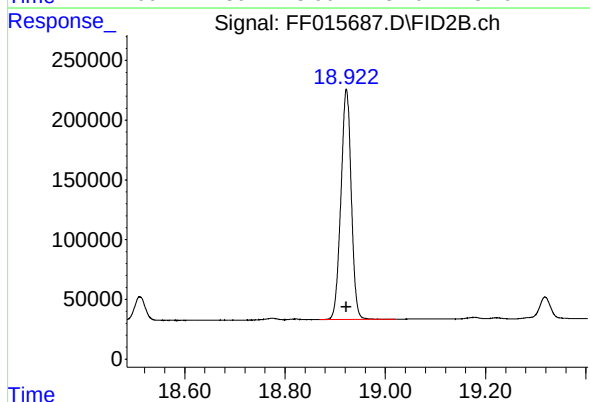
R.T.: 17.200 min
Delta R.T.: 0.000 min
Response: 2766729
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

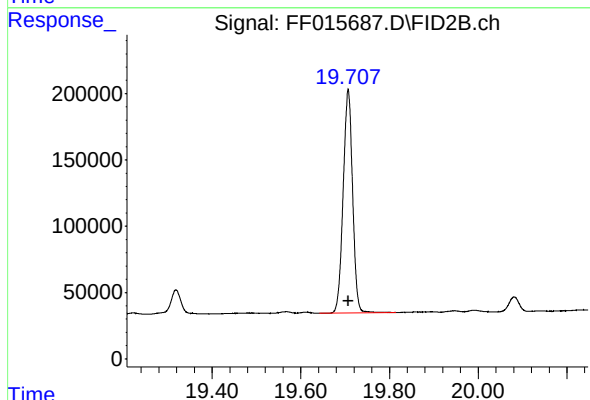
R.T.: 18.089 min
Delta R.T.: 0.000 min
Response: 2864448
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



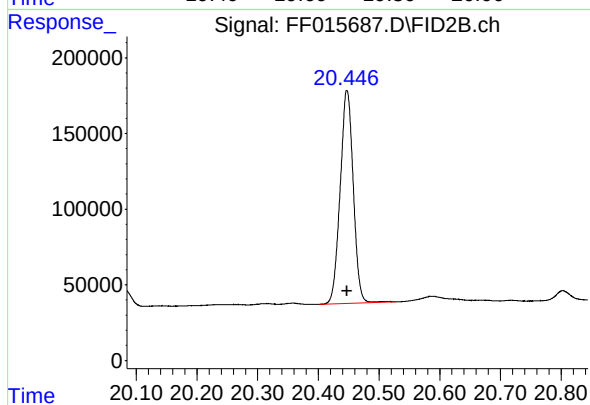
#18 n-Dotriacontane (C32)

R.T.: 18.922 min
Delta R.T.: 0.000 min
Response: 2769226
Conc: 20.00 ug/ml



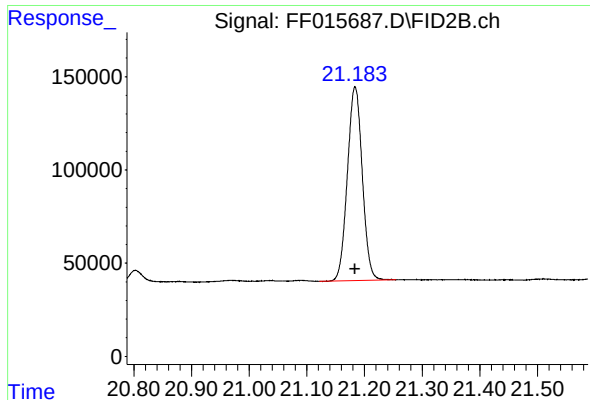
#19 n-Tetratriacontane (C34)

R.T.: 19.707 min
Delta R.T.: 0.000 min
Response: 2485455
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

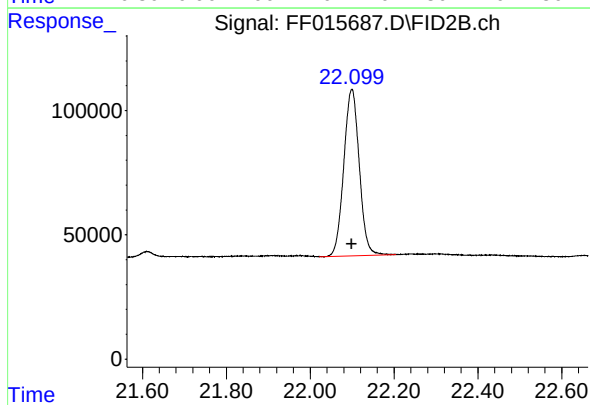
R.T.: 20.447 min
Delta R.T.: 0.000 min
Response: 2108187
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.184 min
Delta R.T.: 0.000 min
Response: 1867170
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.099 min
Delta R.T.: 0.000 min
Response: 1716239
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015687.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 18:31
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.310	3.278	3.388	BB	254939	2640406	82.54%	4.538%
2	4.566	4.518	4.648	BB	264784	2686639	83.99%	4.617%
3	6.277	6.251	6.428	BB	247031	2790457	87.23%	4.796%
4	6.733	6.701	6.815	BB	268017	2731281	85.38%	4.694%
5	7.374	7.335	7.545	PB	205195	2615659	81.77%	4.495%
6	8.560	8.515	8.658	BB	251765	2732194	85.41%	4.696%
7	10.168	10.128	10.281	BB	245276	2832132	88.54%	4.868%
8	11.612	11.571	11.695	BB	241352	2906526	90.86%	4.995%
9	11.936	11.861	12.041	BB	276851	3198868	100.00%	5.498%
10	12.923	12.878	13.025	BB	235421	2840867	88.81%	4.883%
11	13.371	13.318	13.461	BB	194528	2397098	74.94%	4.120%
12	13.536	13.495	13.621	BB	226548	2814761	87.99%	4.838%
13	14.122	14.048	14.225	BB	227198	2822676	88.24%	4.851%
14	15.227	15.171	15.345	BB	219692	2827080	88.38%	4.859%
15	16.250	16.191	16.338	BB	210876	2770191	86.60%	4.761%
16	17.200	17.128	17.308	BB	201188	2766729	86.49%	4.755%
17	18.089	18.021	18.195	BB	202364	2864448	89.55%	4.923%
18	18.922	18.868	19.021	BB	192960	2769226	86.57%	4.759%
19	19.707	19.641	19.815	BB	168904	2485455	77.70%	4.272%
20	20.447	20.401	20.528	BV	140849	2108187	65.90%	3.623%
21	21.184	21.121	21.255	BB	103919	1867170	58.37%	3.209%
22	22.099	22.021	22.205	BB	66968	1716239	53.65%	2.950%
Sum of corrected areas:						58184289		

Aliphatic EPH 031725.M Tue Mar 18 02:44:09 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015688.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 19:00
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Mar 18 02:23:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:20:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.935	1586641	9.920 ug/ml
Spiked Amount 50.000		Recovery =	19.84%
12) S 1-chlorooctadecane (S...	13.370	1164785	9.718 ug/ml
Spiked Amount 50.000		Recovery =	19.44%
Target Compounds			
1) T n-Nonane (C9)	3.310	1319054	9.991 ug/ml
2) T n-Decane (C10)	4.566	1332637	9.920 ug/ml
3) T A~Naphthalene (C11.7)	6.279	1308404	9.378 ug/ml
4) T n-Dodecane (C12)	6.733	1353221	9.909 ug/ml
5) T A~2-methylnaphthalene...	7.378	1171368	8.957 ug/ml
6) T n-Tetradecane (C14)	8.560	1350013	9.882 ug/ml
7) T n-Hexadecane (C16)	10.168	1390616	9.820 ug/ml
8) T n-Octadecane (C18)	11.611	1433261	9.862 ug/ml
10) T n-Eicosane (C20)	12.922	1402567	9.874 ug/ml
11) T n-Heneicosane (C21)	13.534	1392375	9.893 ug/ml
13) T n-Docosane (C22)	14.122	1411308	10.000 ug/ml
14) T n-Tetracosane (C24)	15.226	1421499	10.056 ug/ml
15) T n-Hexacosane (C26)	16.248	1388901	10.027 ug/ml
16) T n-Octacosane (C28)	17.199	1393527	10.073 ug/ml
17) T n-Tricontane (C30)	18.087	1439380	10.050 ug/ml
18) T n-Dotriacontane (C32)	18.921	1396830	10.088 ug/ml
19) T n-Tetratriacontane (C34)	19.706	1244338	10.013 ug/ml
20) T n-Hexatriacontane (C36)	20.447	1046165	9.925 ug/ml
21) T n-Octatriacontane (C38)	21.184	908498	9.731 ug/ml
22) T n-Tetracontane (C40)	22.100	822595	9.586 ug/ml

(f)=RT Delta > 1/2 Window

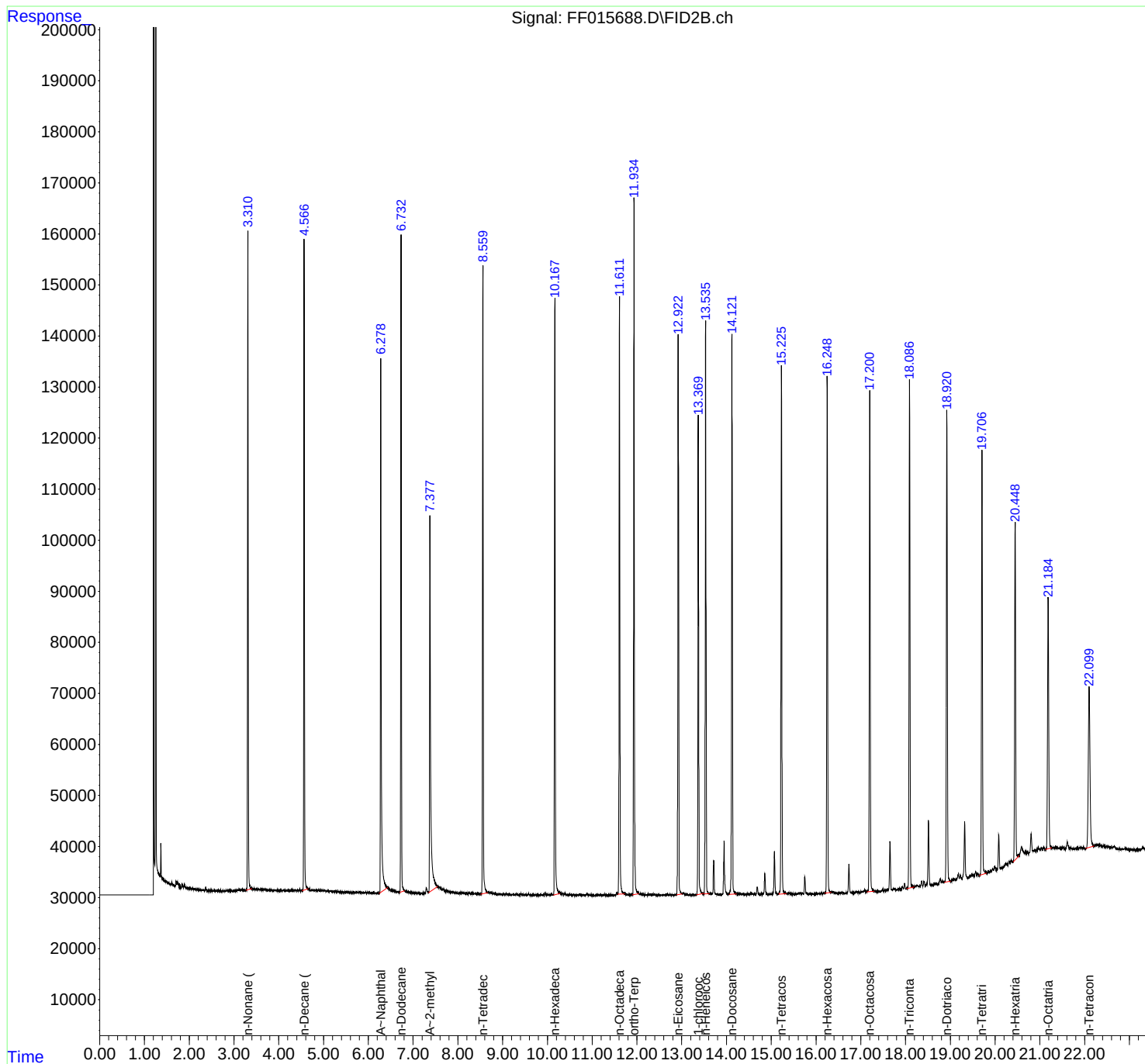
(m)=manual int.

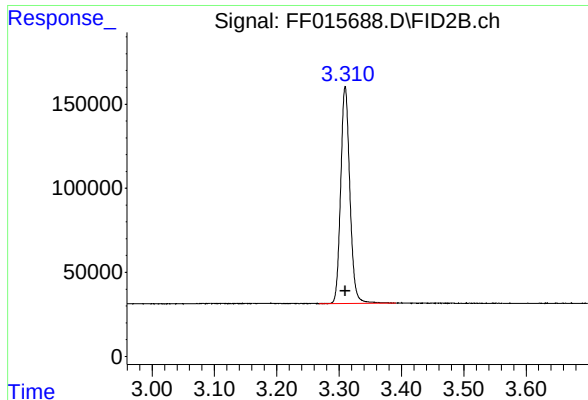
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015688.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:00
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Mar 18 02:23:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:20:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

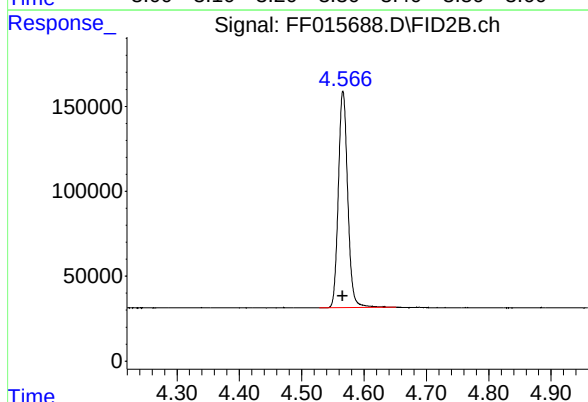




#1 n-Nonane (C9)

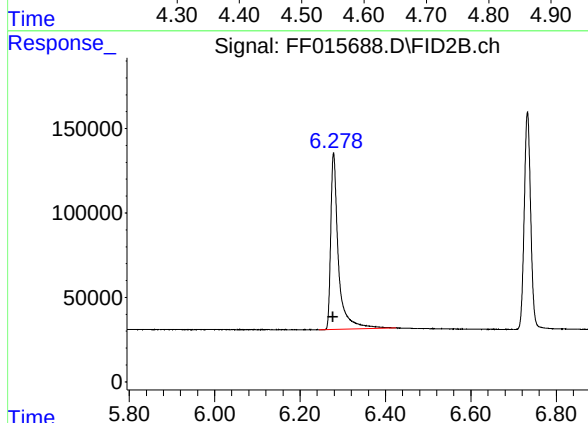
R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 1319054
Conc: 9.99 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



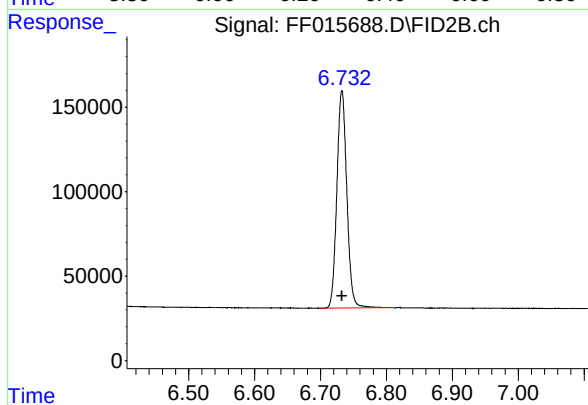
#2 n-Decane (C10)

R.T.: 4.566 min
Delta R.T.: 0.000 min
Response: 1332637
Conc: 9.92 ug/ml



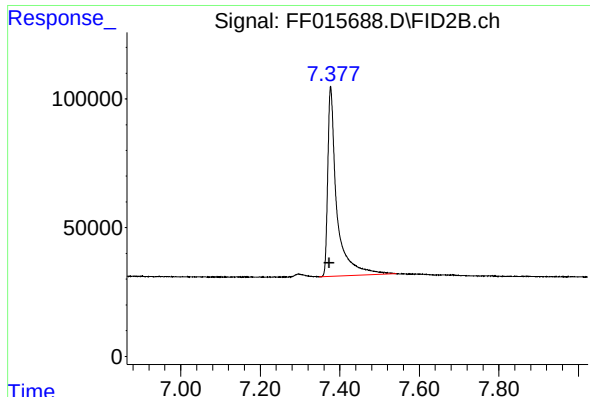
#3 A~Naphthalene (C11.7)

R.T.: 6.279 min
Delta R.T.: 0.002 min
Response: 1308404
Conc: 9.38 ug/ml



#4 n-Dodecane (C12)

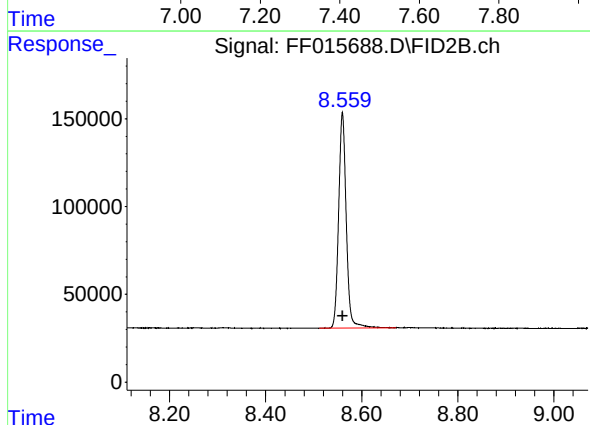
R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 1353221
Conc: 9.91 ug/ml



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

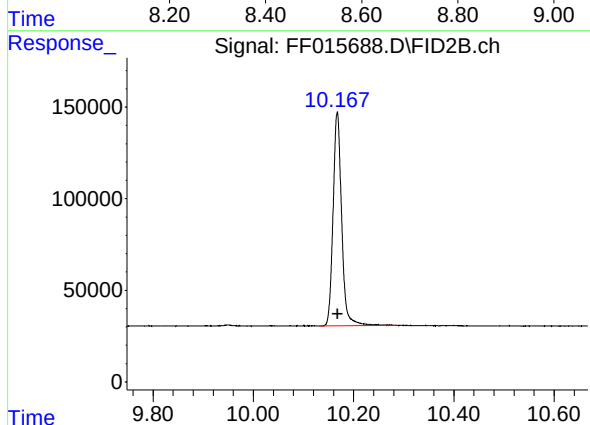
R.T.: 7.378 min
Delta R.T.: 0.004 min
Response: 1171368
Conc: 8.96 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



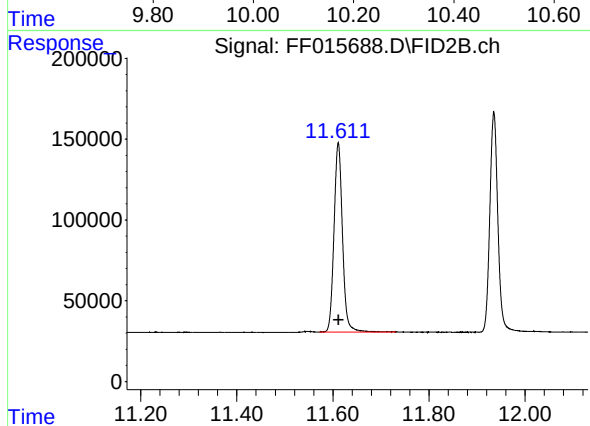
#6 n-Tetradecane (C14)

R.T.: 8.560 min
Delta R.T.: 0.000 min
Response: 1350013
Conc: 9.88 ug/ml



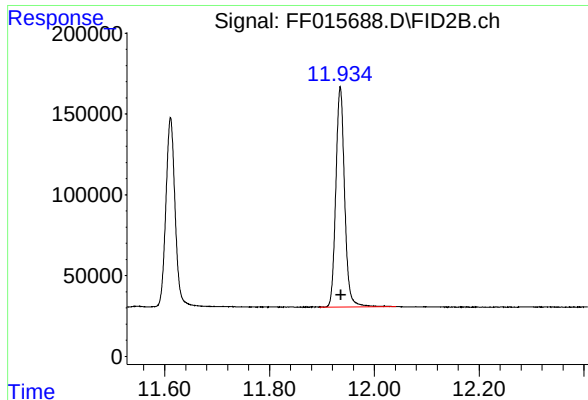
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: 0.000 min
Response: 1390616
Conc: 9.82 ug/ml



#8 n-Octadecane (C18)

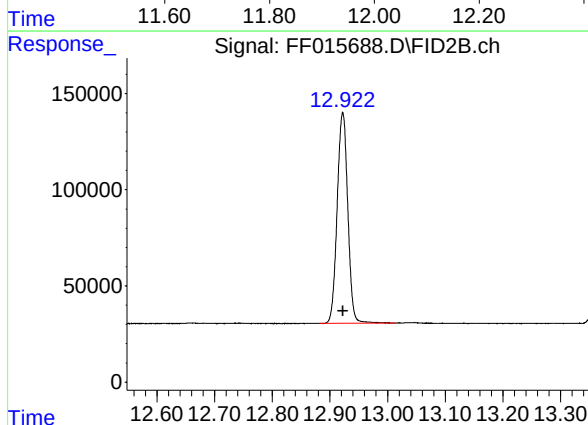
R.T.: 11.611 min
Delta R.T.: 0.000 min
Response: 1433261
Conc: 9.86 ug/ml



#9 ortho-Terphenyl (SURRE)

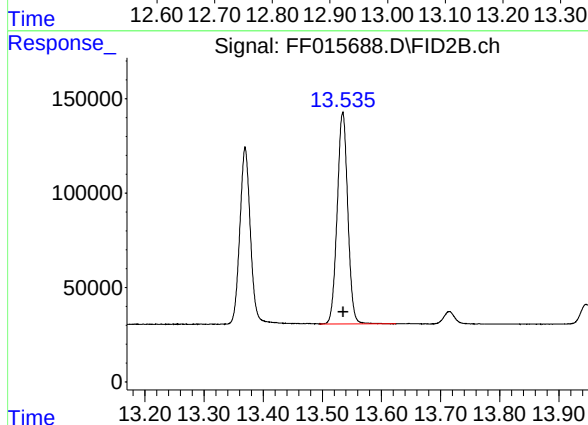
R.T.: 11.935 min
Delta R.T.: 0.000 min
Response: 1586641
Conc: 9.92 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



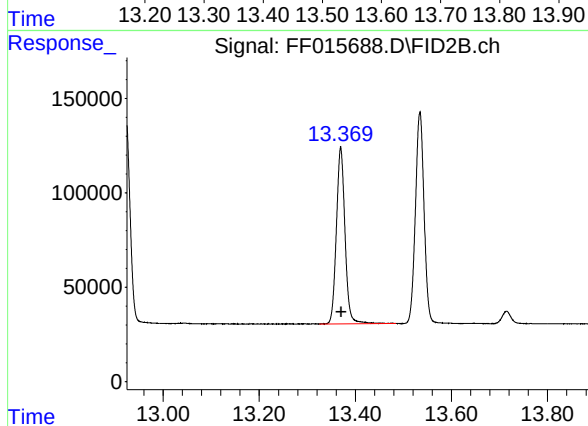
#10 n-Eicosane (C20)

R.T.: 12.922 min
Delta R.T.: 0.000 min
Response: 1402567
Conc: 9.87 ug/ml



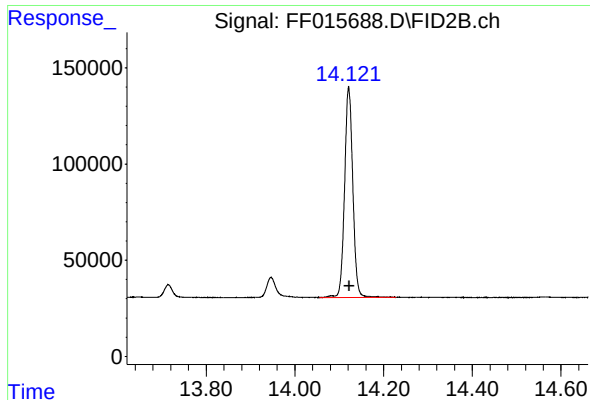
#11 n-Heneicosane (C21)

R.T.: 13.534 min
Delta R.T.: -0.001 min
Response: 1392375
Conc: 9.89 ug/ml



#12 1-chlorooctadecane (SURRE)

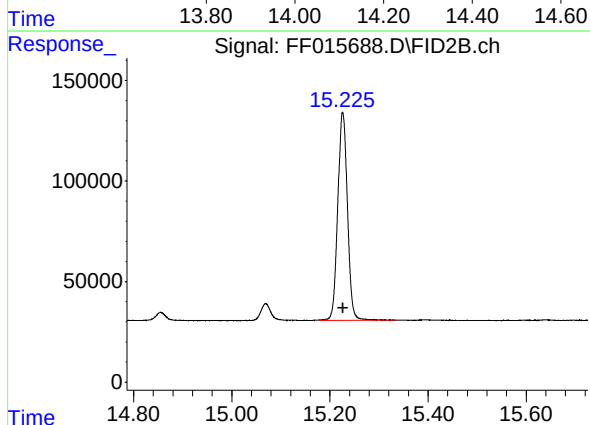
R.T.: 13.370 min
Delta R.T.: 0.000 min
Response: 1164785
Conc: 9.72 ug/ml



#13 n-Docosane (C22)

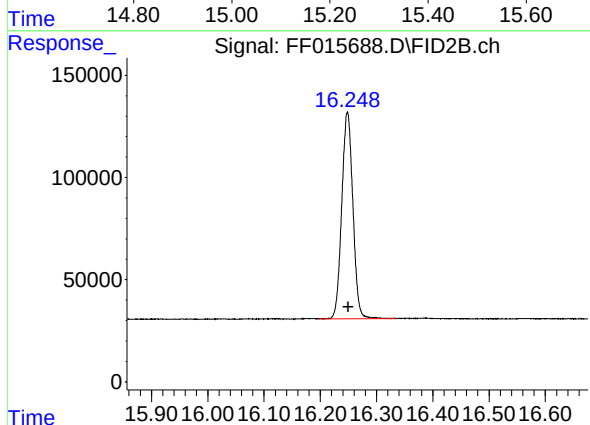
R.T.: 14.122 min
Delta R.T.: 0.000 min
Response: 1411308
Conc: 10.00 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



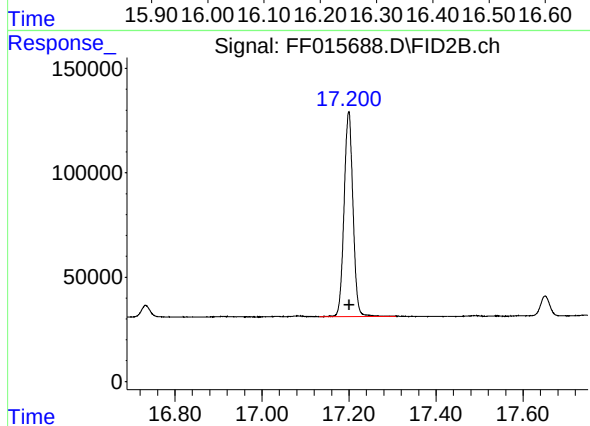
#14 n-Tetracosane (C24)

R.T.: 15.226 min
Delta R.T.: 0.000 min
Response: 1421499
Conc: 10.06 ug/ml



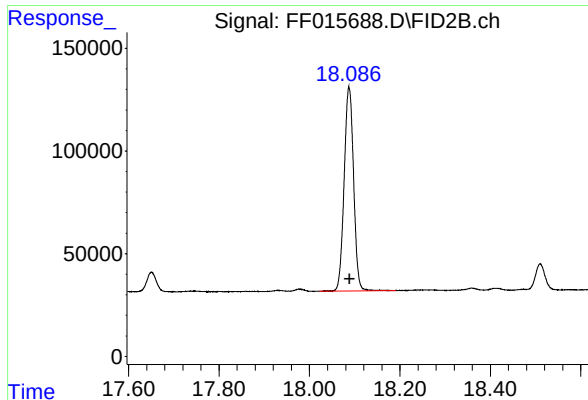
#15 n-Hexacosane (C26)

R.T.: 16.248 min
Delta R.T.: -0.001 min
Response: 1388901
Conc: 10.03 ug/ml



#16 n-Octacosane (C28)

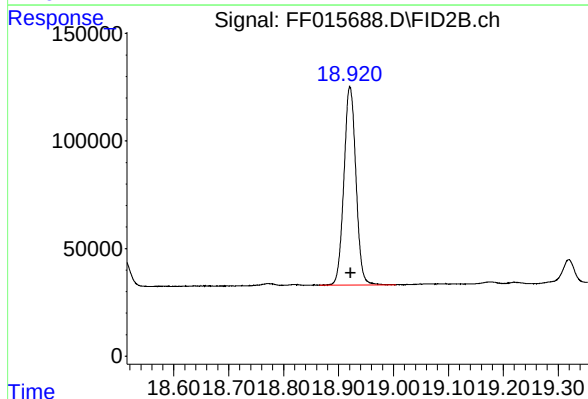
R.T.: 17.199 min
Delta R.T.: -0.001 min
Response: 1393527
Conc: 10.07 ug/ml



#17 n-Tricontane (C30)

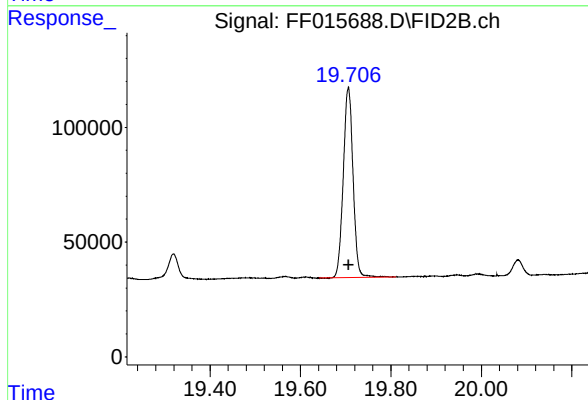
R.T.: 18.087 min
Delta R.T.: -0.001 min
Response: 1439380
Conc: 10.05 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



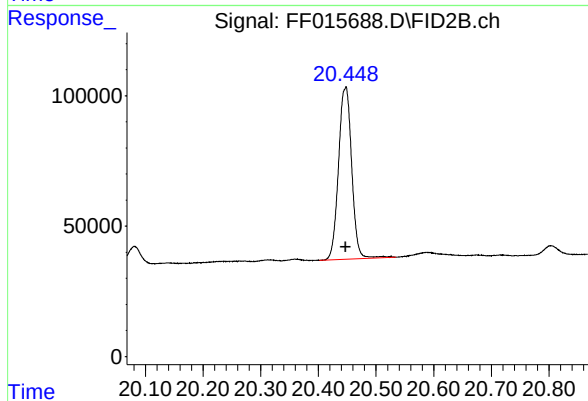
#18 n-Dotriacontane (C32)

R.T.: 18.921 min
Delta R.T.: -0.001 min
Response: 1396830
Conc: 10.09 ug/ml



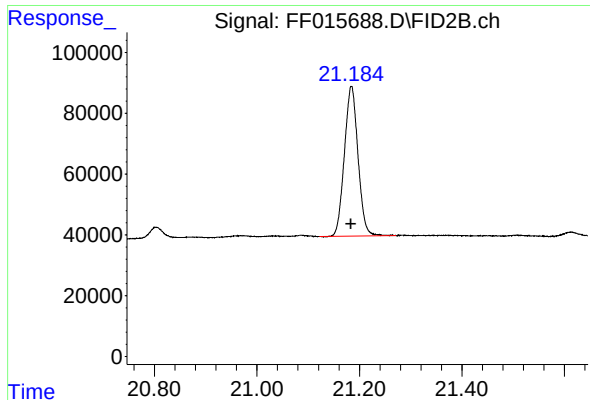
#19 n-Tetratriacontane (C34)

R.T.: 19.706 min
Delta R.T.: 0.000 min
Response: 1244338
Conc: 10.01 ug/ml



#20 n-Hexatriacontane (C36)

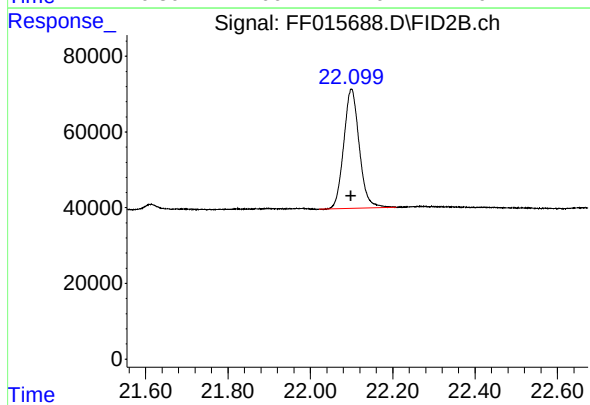
R.T.: 20.447 min
Delta R.T.: 0.000 min
Response: 1046165
Conc: 9.92 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.184 min
Delta R.T.: 0.000 min
Response: 908498
Conc: 9.73 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.100 min
Delta R.T.: 0.000 min
Response: 822595
Conc: 9.59 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015688.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:00
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.310	3.268	3.391	BB	128417	1319054	83.13%	4.600%
2	4.566	4.528	4.651	BB	126788	1332637	83.99%	4.647%
3	6.279	6.245	6.425	BB	104311	1308404	82.46%	4.562%
4	6.733	6.698	6.815	BB	128255	1353221	85.29%	4.719%
5	7.378	7.348	7.541	BB	72745	1171368	73.83%	4.085%
6	8.560	8.511	8.671	BB	121656	1350013	85.09%	4.707%
7	10.168	10.131	10.285	BB	116415	1390616	87.65%	4.849%
8	11.611	11.571	11.731	BB	117015	1433261	90.33%	4.998%
9	11.935	11.895	12.041	BB	135735	1586641	100.00%	5.533%
10	12.922	12.881	13.015	BB	109492	1402567	88.40%	4.891%
11	13.370	13.325	13.485	BB	92602	1164785	73.41%	4.062%
12	13.534	13.495	13.625	BB	112137	1392375	87.76%	4.855%
13	14.122	14.055	14.228	BB	109022	1411308	88.95%	4.921%
14	15.226	15.178	15.335	BB	103957	1421499	89.59%	4.957%
15	16.248	16.198	16.335	BB	101253	1388901	87.54%	4.843%
16	17.199	17.131	17.308	BB	97734	1393527	87.83%	4.859%
17	18.088	18.021	18.191	BB	99283	1439380	90.72%	5.019%
18	18.921	18.865	19.005	BB	91962	1396830	88.04%	4.871%
19	19.706	19.641	19.811	BB	82660	1244338	78.43%	4.339%
20	20.447	20.401	20.535	BV	66333	1046165	65.94%	3.648%
21	21.184	21.121	21.271	BB	49468	908498	57.26%	3.168%
22	22.100	22.021	22.208	BB	31613	822595	51.85%	2.868%
Sum of corrected areas:							28677981	

Aliphatic EPH 031725.M Tue Mar 18 02:44:46 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015689.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 19:29
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Mar 18 02:23:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:20:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.937	787158	4.921 ug/ml
Spiked Amount 50.000		Recovery =	9.84%
12) S 1-chlorooctadecane (S...	13.372	565760	4.720 ug/ml
Spiked Amount 50.000		Recovery =	9.44%
Target Compounds			
1) T n-Nonane (C9)	3.310	651916	4.938 ug/ml
2) T n-Decane (C10)	4.567	654575	4.873 ug/ml
3) T A~Naphthalene (C11.7)	6.284	581787	4.170 ug/ml
4) T n-Dodecane (C12)	6.734	662198	4.849 ug/ml
5) T A~2-methylnaphthalene...	7.391	459107	3.510 ug/ml
6) T n-Tetradecane (C14)	8.561	642002	4.700 ug/ml
7) T n-Hexadecane (C16)	10.170	654183	4.620 ug/ml
8) T n-Octadecane (C18)	11.613	686997	4.727 ug/ml
10) T n-Eicosane (C20)	12.922	684975	4.822 ug/ml
11) T n-Heneicosane (C21)	13.535	684632	4.865 ug/ml
13) T n-Docosane (C22)	14.123	681413	4.828 ug/ml
14) T n-Tetracosane (C24)	15.227	679559	4.807 ug/ml
15) T n-Hexacosane (C26)	16.250	662207	4.781 ug/ml
16) T n-Octacosane (C28)	17.201	690855	4.994 ug/ml
17) T n-Tricontane (C30)	18.089	754378	5.267 ug/ml
18) T n-Dotriacontane (C32)	18.921	748490	5.406 ug/ml
19) T n-Tetratriacontane (C34)	19.706	656546	5.283 ug/ml
20) T n-Hexatriacontane (C36)	20.447	540749	5.130 ug/ml
21) T n-Octatriacontane (C38)	21.184	447971	4.798 ug/ml
22) T n-Tetracontane (C40)	22.101	396308	4.618 ug/ml

(f)=RT Delta > 1/2 Window

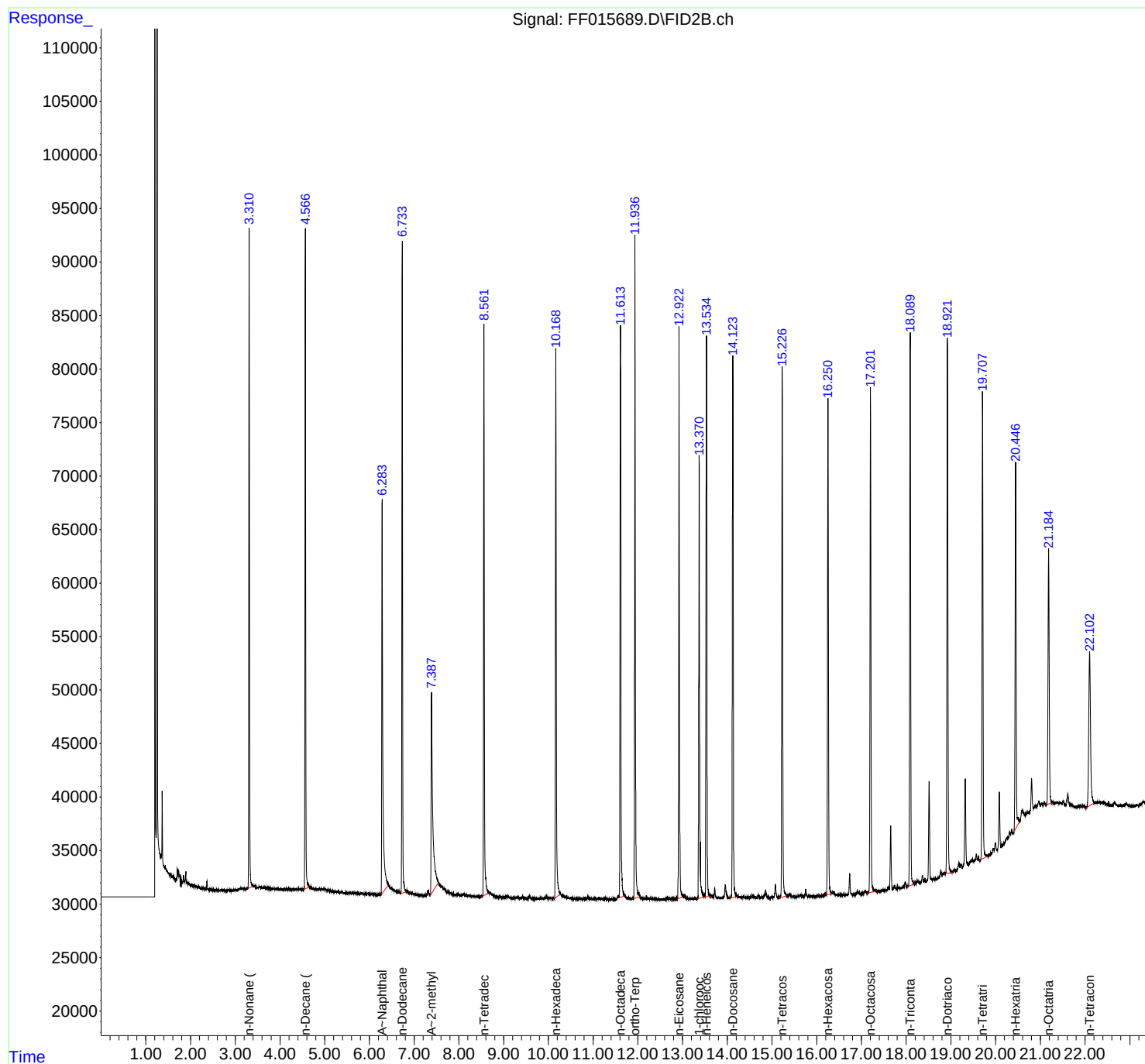
(m)=manual int.

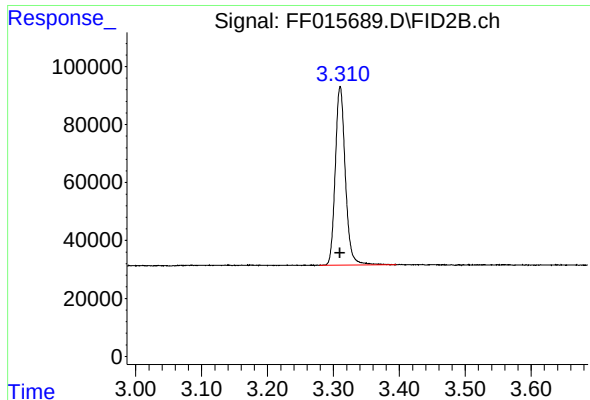
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015689.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:29
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Mar 18 02:23:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:20:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

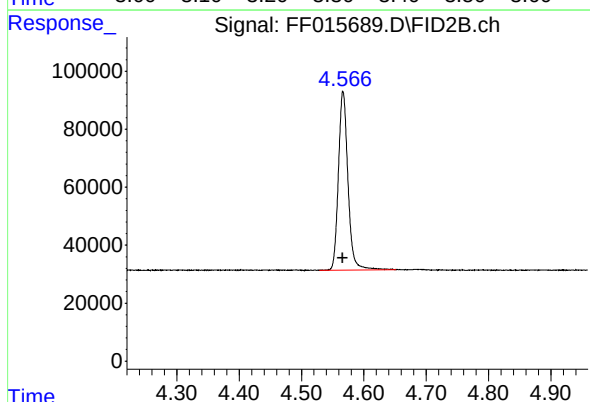




#1 n-Nonane (C9)

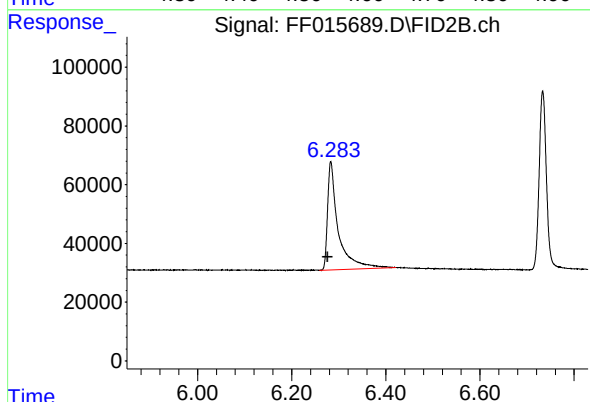
R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 651916
Conc: 4.94 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



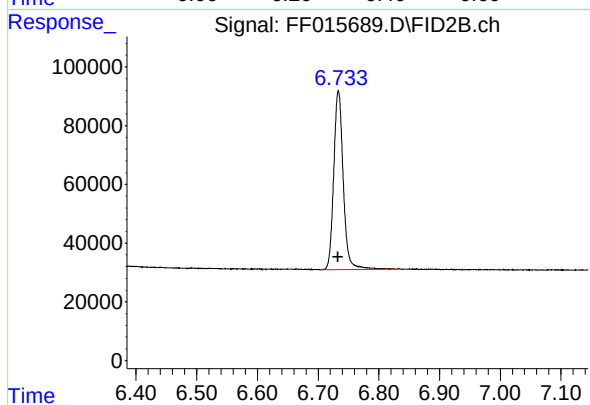
#2 n-Decane (C10)

R.T.: 4.567 min
Delta R.T.: 0.000 min
Response: 654575
Conc: 4.87 ug/ml



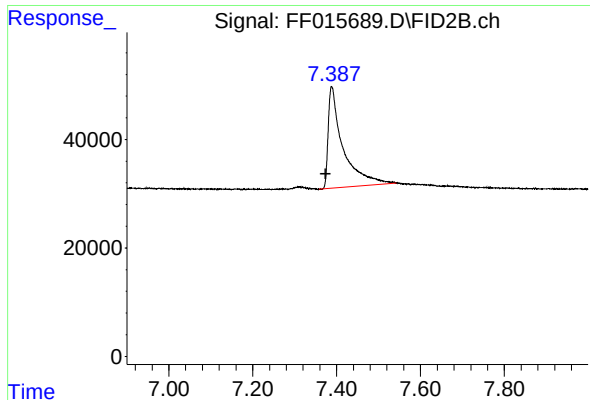
#3 A~Naphthalene (C11.7)

R.T.: 6.284 min
Delta R.T.: 0.007 min
Response: 581787
Conc: 4.17 ug/ml



#4 n-Dodecane (C12)

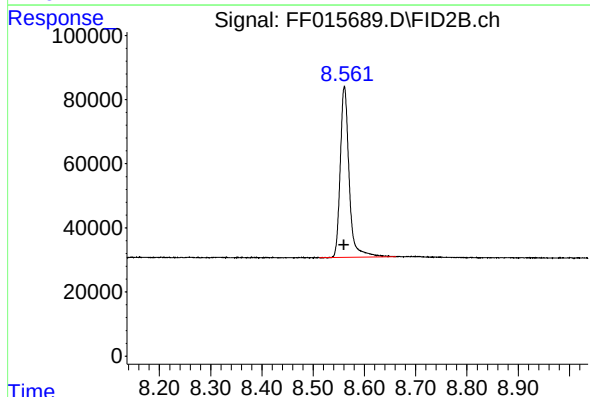
R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 662198
Conc: 4.85 ug/ml



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

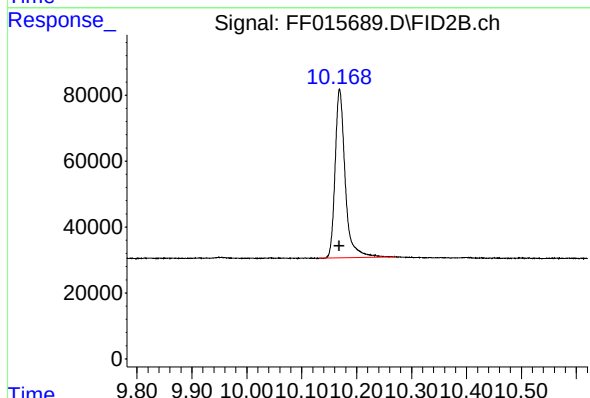
R.T.: 7.391 min
Delta R.T.: 0.017 min
Response: 459107
Conc: 3.51 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



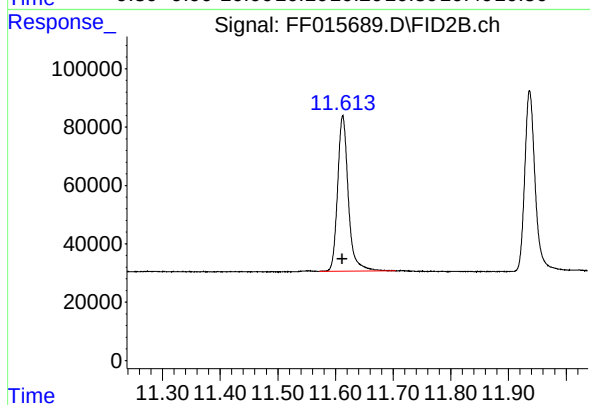
#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: 0.000 min
Response: 642002
Conc: 4.70 ug/ml



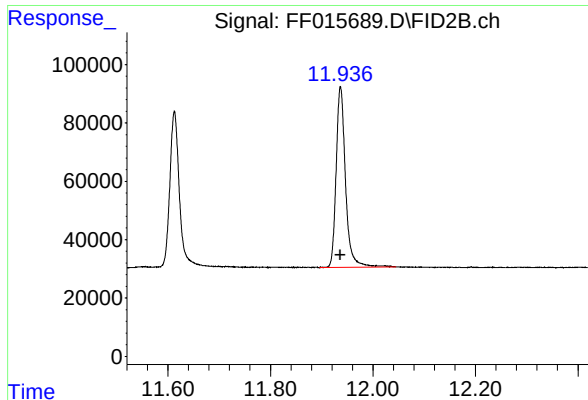
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: 0.001 min
Response: 654183
Conc: 4.62 ug/ml



#8 n-Octadecane (C18)

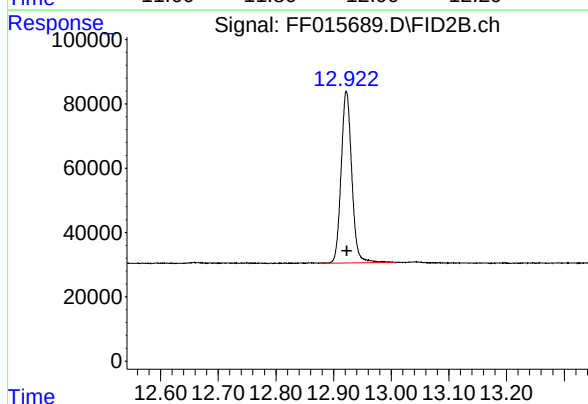
R.T.: 11.613 min
Delta R.T.: 0.000 min
Response: 686997
Conc: 4.73 ug/ml



#9 ortho-Terphenyl (SURR)

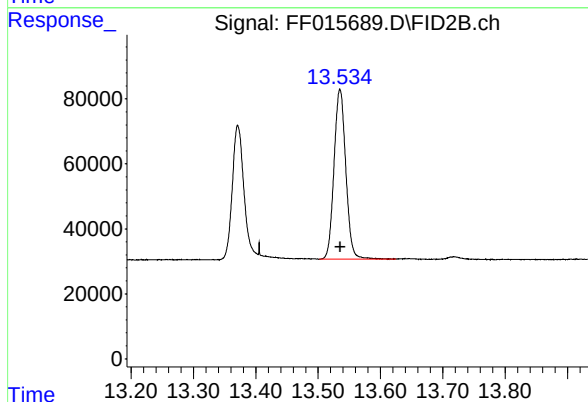
R.T.: 11.937 min
Delta R.T.: 0.001 min
Response: 787158
Conc: 4.92 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



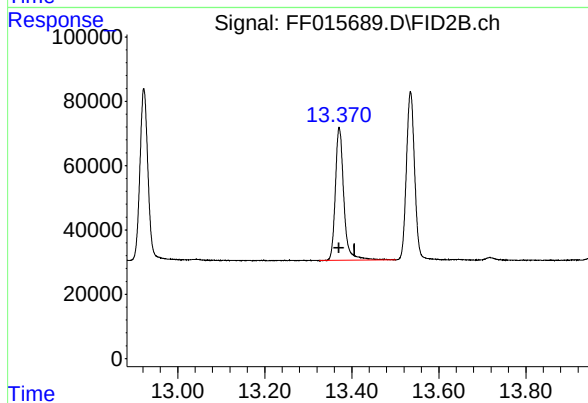
#10 n-Eicosane (C20)

R.T.: 12.922 min
Delta R.T.: 0.000 min
Response: 684975
Conc: 4.82 ug/ml



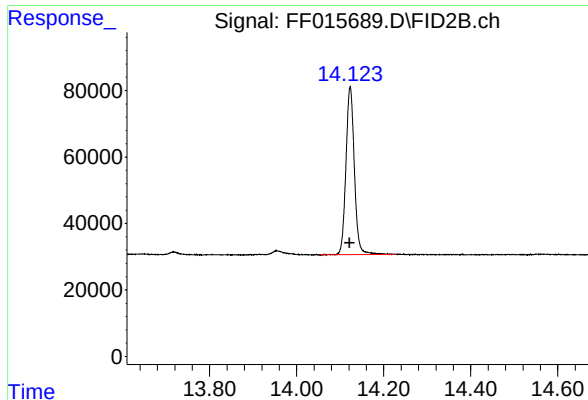
#11 n-Heneicosane (C21)

R.T.: 13.535 min
Delta R.T.: 0.000 min
Response: 684632
Conc: 4.86 ug/ml



#12 1-chlorooctadecane (SURR)

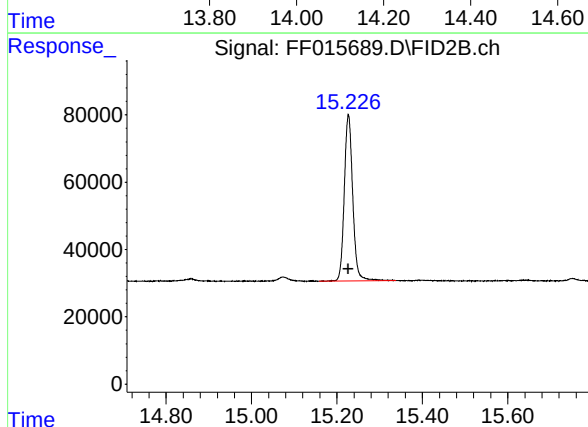
R.T.: 13.372 min
Delta R.T.: 0.001 min
Response: 565760
Conc: 4.72 ug/ml



#13 n-Docosane (C22)

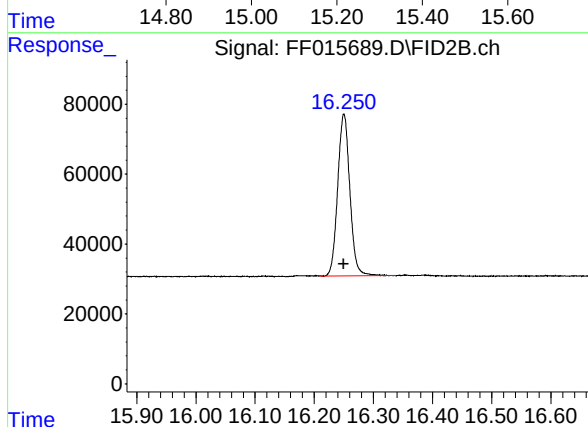
R.T.: 14.123 min
Delta R.T.: 0.000 min
Response: 681413
Conc: 4.83 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



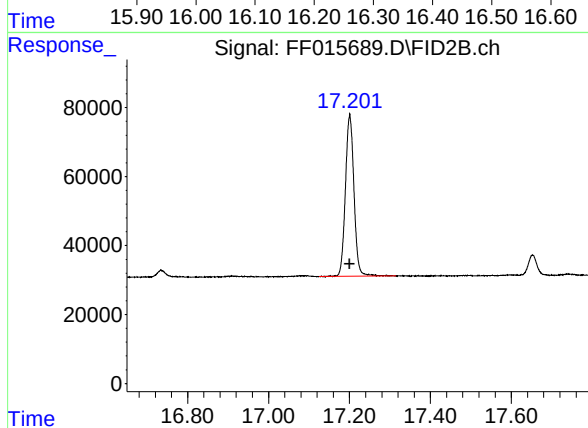
#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: 0.000 min
Response: 679559
Conc: 4.81 ug/ml



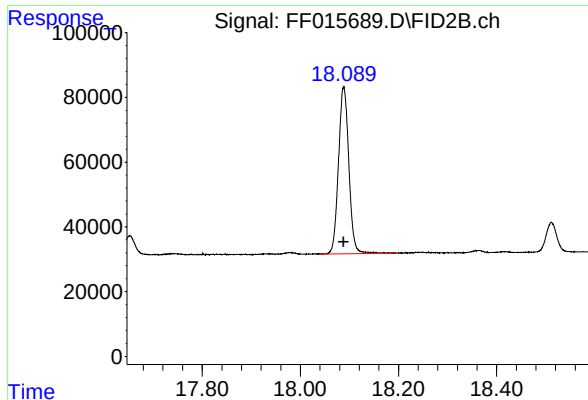
#15 n-Hexacosane (C26)

R.T.: 16.250 min
Delta R.T.: 0.000 min
Response: 662207
Conc: 4.78 ug/ml



#16 n-Octacosane (C28)

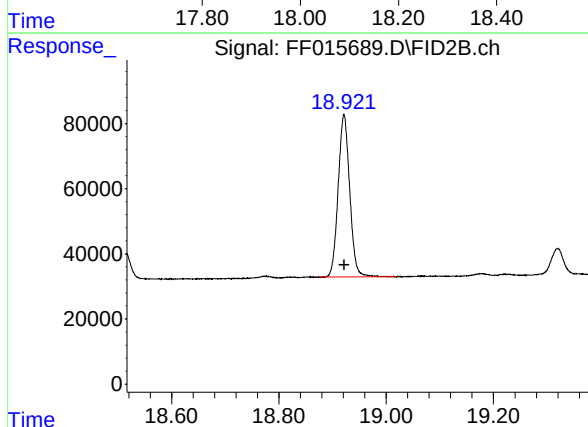
R.T.: 17.201 min
Delta R.T.: 0.000 min
Response: 690855
Conc: 4.99 ug/ml



#17 n-Tricontane (C30)

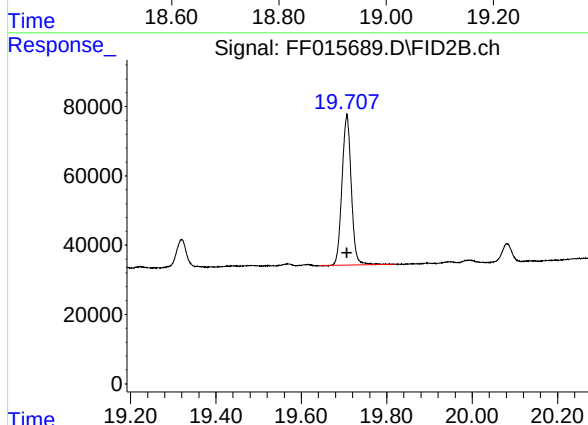
R.T.: 18.089 min
Delta R.T.: 0.000 min
Response: 754378
Conc: 5.27 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



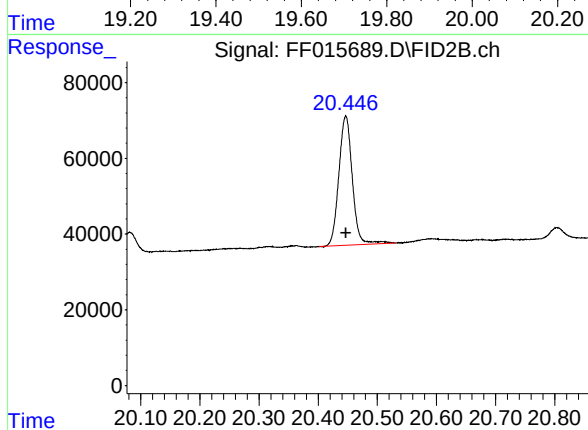
#18 n-Dotriacontane (C32)

R.T.: 18.921 min
Delta R.T.: 0.000 min
Response: 748490
Conc: 5.41 ug/ml



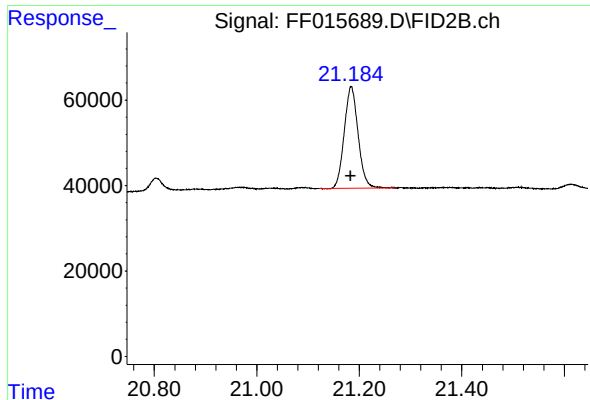
#19 n-Tetatriacontane (C34)

R.T.: 19.706 min
Delta R.T.: 0.000 min
Response: 656546
Conc: 5.28 ug/ml



#20 n-Hexatriacontane (C36)

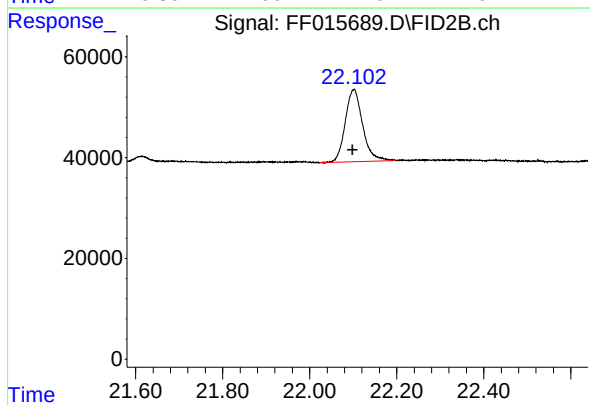
R.T.: 20.447 min
Delta R.T.: 0.000 min
Response: 540749
Conc: 5.13 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.184 min
Delta R.T.: 0.000 min
Response: 447971
Conc: 4.80 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.101 min
Delta R.T.: 0.002 min
Response: 396308
Conc: 4.62 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015689.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 19:29
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.310	3.278	3.395	BB	61509	651916	82.82%	4.665%
2	4.567	4.528	4.652	BB	61123	654575	83.16%	4.684%
3	6.284	6.258	6.422	BB	36254	581787	73.91%	4.163%
4	6.734	6.702	6.828	BB	60819	662198	84.13%	4.739%
5	7.391	7.358	7.542	BB	18042	459107	58.32%	3.285%
6	8.561	8.512	8.662	BB	53099	642002	81.56%	4.594%
7	10.170	10.132	10.272	BB	51015	654183	83.11%	4.682%
8	11.613	11.572	11.705	BB	53103	686997	87.28%	4.916%
9	11.937	11.895	12.045	BB	61198	787158	100.00%	5.633%
10	12.922	12.875	13.008	BB	53463	684975	87.02%	4.902%
11	13.372	13.325	13.502	BB	41133	565760	71.87%	4.049%
12	13.535	13.502	13.625	BB	52224	684632	86.98%	4.899%
13	14.123	14.052	14.228	BB	50479	681413	86.57%	4.876%
14	15.227	15.158	15.338	BB	49366	679559	86.33%	4.863%
15	16.250	16.208	16.338	BB	46438	662207	84.13%	4.739%
16	17.201	17.125	17.315	BB	46651	690855	87.77%	4.944%
17	18.089	18.038	18.195	BB	51500	754378	95.84%	5.399%
18	18.921	18.875	19.018	BB	49960	748490	95.09%	5.356%
19	19.706	19.642	19.822	BB	42778	656546	83.41%	4.698%
20	20.447	20.402	20.532	BV	34061	540749	68.70%	3.870%
21	21.184	21.122	21.272	BB	23886	447971	56.91%	3.206%
22	22.101	22.022	22.198	BB	14390	396308	50.35%	2.836%
Sum of corrected areas:							13973765	

Aliphatic EPH 031725.M Tue Mar 18 02:45:12 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015690.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 19:59
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Mar 18 02:33:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:31:19 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)	11.935	3078093	20.203 ug/ml
Spiked Amount 50.000		Recovery =	40.41%
12) S 1-chlorooctadecane (S...	13.370	2311870	20.370 ug/ml
Spiked Amount 50.000		Recovery =	40.74%
Target Compounds			
1) T n-Nonane (C9)	3.310	2596801	20.502 ug/ml
2) T n-Decane (C10)	4.566	2644465	20.593 ug/ml
3) T A~Naphthalene (C11.7)	6.277	2742060	21.128 ug/ml
4) T n-Dodecane (C12)	6.733	2676280	20.536 ug/ml
5) T A~2-methylnaphthalene...	7.374	2565770	21.652 ug/ml
6) T n-Tetradecane (C14)	8.561	2661827	20.554 ug/ml
7) T n-Hexadecane (C16)	10.168	2764594	20.674 ug/ml
8) T n-Octadecane (C18)	11.612	2841007	20.631 ug/ml
10) T n-Eicosane (C20)	12.922	2769128	20.547 ug/ml
11) T n-Heneicosane (C21)	13.535	2738666	20.492 ug/ml
13) T n-Docosane (C22)	14.122	2704312	20.209 ug/ml
14) T n-Tetracosane (C24)	15.227	2671046	19.952 ug/ml
15) T n-Hexacosane (C26)	16.250	2601824	19.893 ug/ml
16) T n-Octacosane (C28)	17.201	2512077	19.230 ug/ml
17) T n-Tricontane (C30)	18.089	2491163	18.473 ug/ml
18) T n-Dotriacontane (C32)	18.923	2366505	18.148 ug/ml
19) T n-Tetratriacontane (C34)	19.707	2073223	17.761 ug/ml
20) T n-Hexatriacontane (C36)	20.446	1822987	18.364 ug/ml
21) T n-Octatriacontane (C38)	21.184	1711240	19.586 ug/ml
22) T n-Tetracontane (C40)	22.099	1591714	19.833 ug/ml

(f)=RT Delta > 1/2 Window

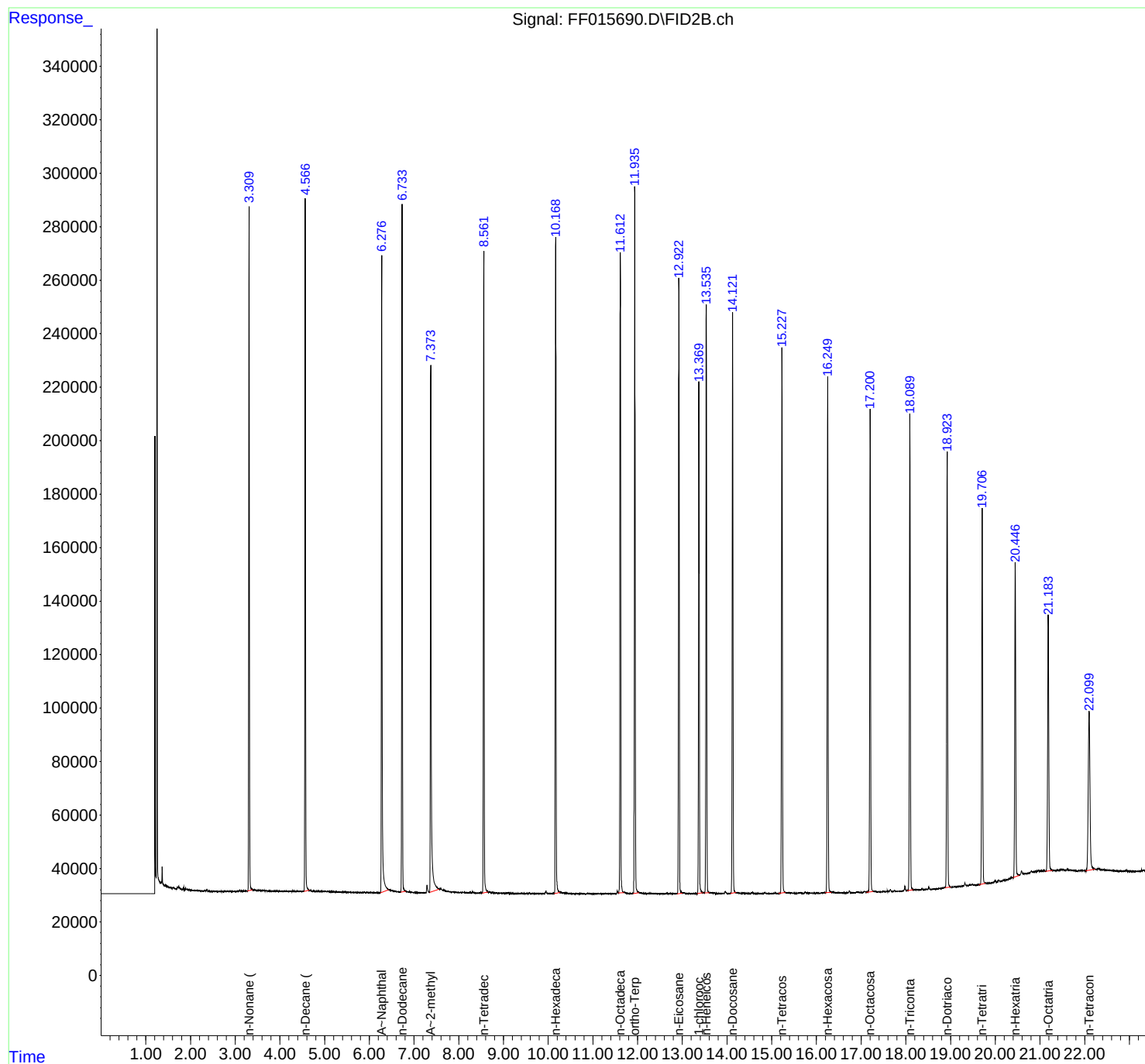
(m)=manual int.

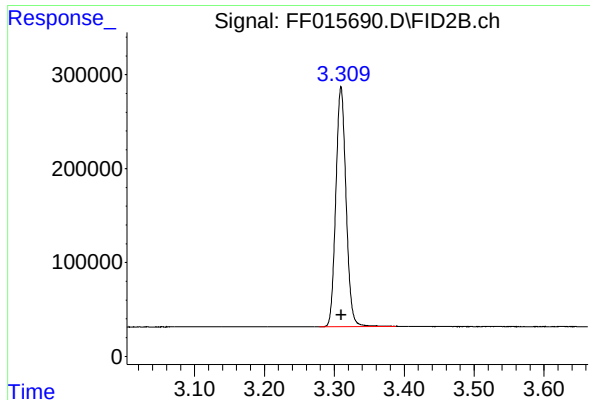
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015690.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:59
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Mar 18 02:33:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 n-Nonane (C9)

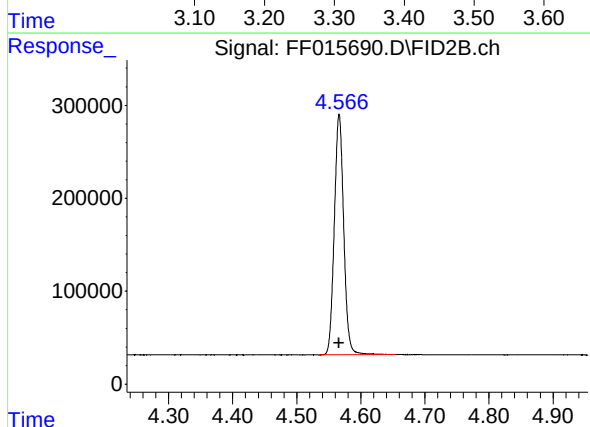
R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 2596801
Conc: 20.50 ug/ml

Instrument :

FID_F

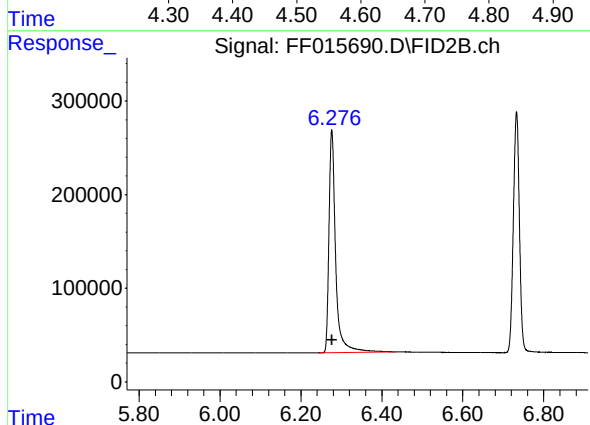
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



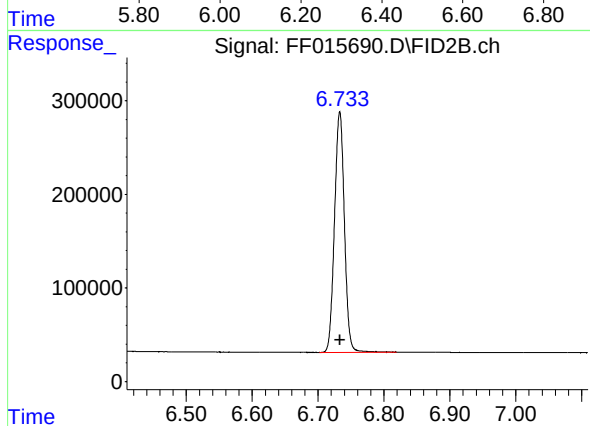
#2 n-Decane (C10)

R.T.: 4.566 min
Delta R.T.: 0.000 min
Response: 2644465
Conc: 20.59 ug/ml



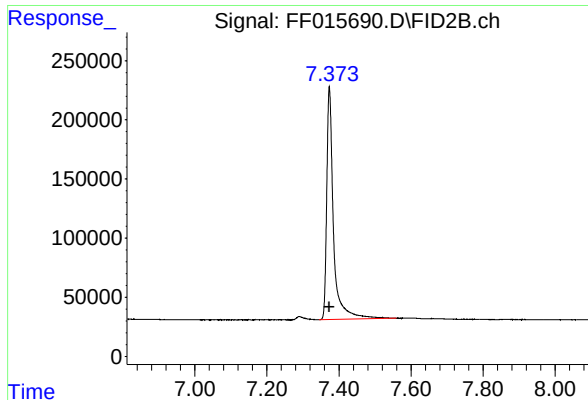
#3 A~Naphthalene (C11.7)

R.T.: 6.277 min
Delta R.T.: 0.000 min
Response: 2742060
Conc: 21.13 ug/ml



#4 n-Dodecane (C12)

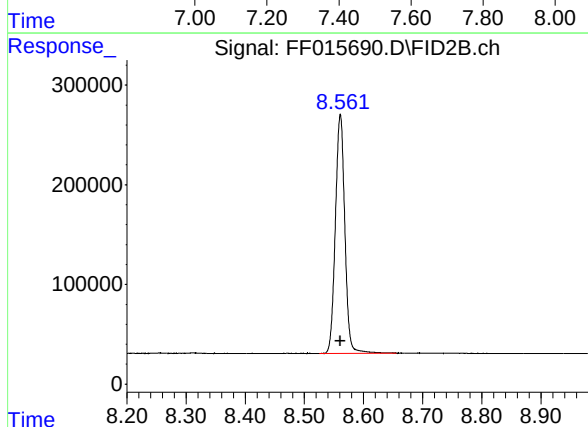
R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 2676280
Conc: 20.54 ug/ml



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

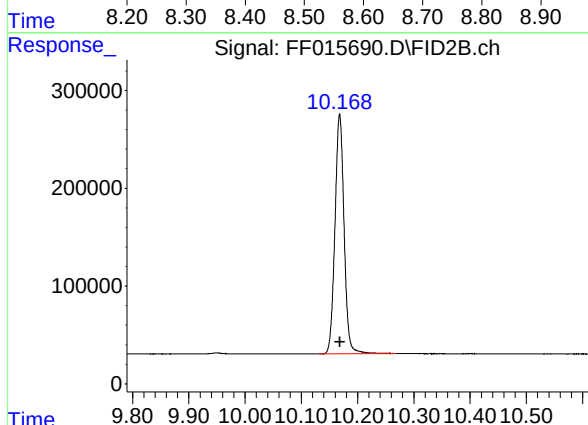
R.T.: 7.374 min
Delta R.T.: 0.000 min
Response: 2565770
Conc: 21.65 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



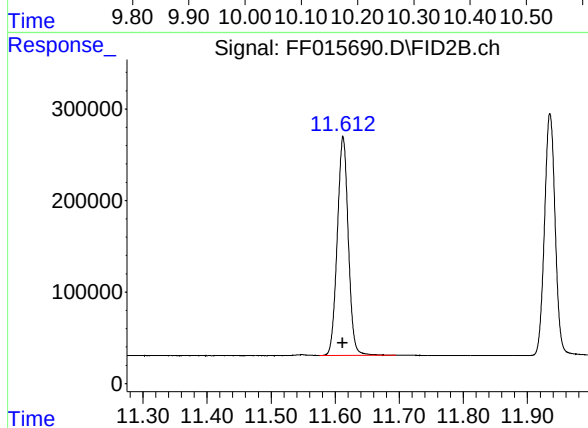
#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: 0.000 min
Response: 2661827
Conc: 20.55 ug/ml



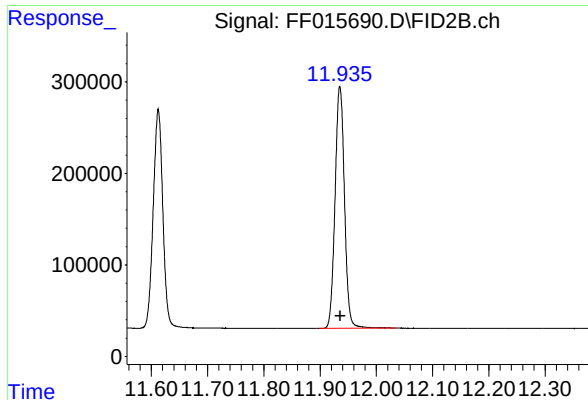
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: 0.000 min
Response: 2764594
Conc: 20.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.612 min
Delta R.T.: 0.000 min
Response: 2841007
Conc: 20.63 ug/ml



#9 ortho-Terphenyl (SURR)

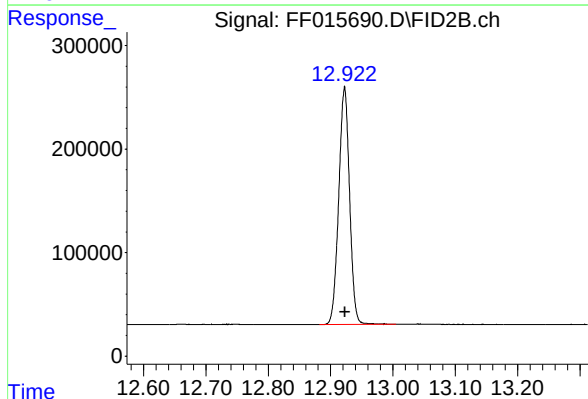
R.T.: 11.935 min
Delta R.T.: 0.000 min
Response: 3078093
Conc: 20.20 ug/ml

Instrument :

FID_F

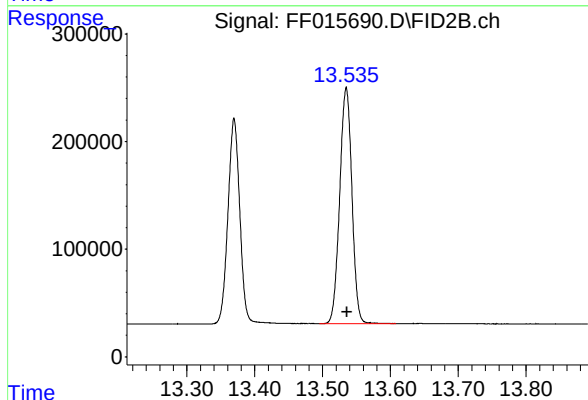
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



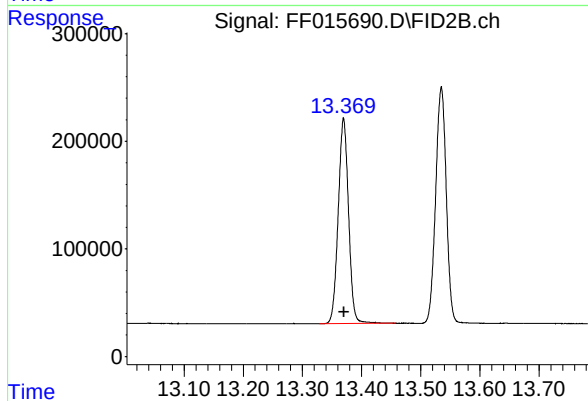
#10 n-Eicosane (C20)

R.T.: 12.922 min
Delta R.T.: 0.000 min
Response: 2769128
Conc: 20.55 ug/ml



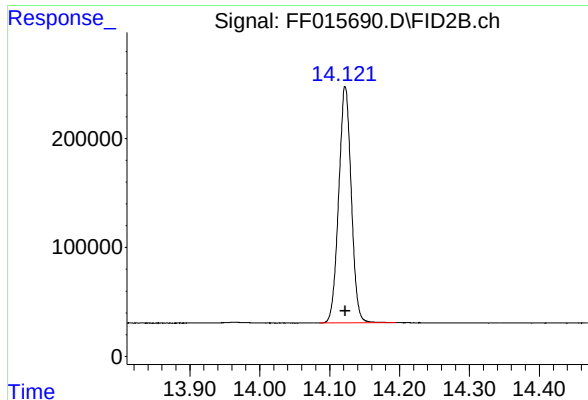
#11 n-Heneicosane (C21)

R.T.: 13.535 min
Delta R.T.: 0.000 min
Response: 2738666
Conc: 20.49 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.370 min
Delta R.T.: 0.000 min
Response: 2311870
Conc: 20.37 ug/ml



#13 n-Docosane (C22)

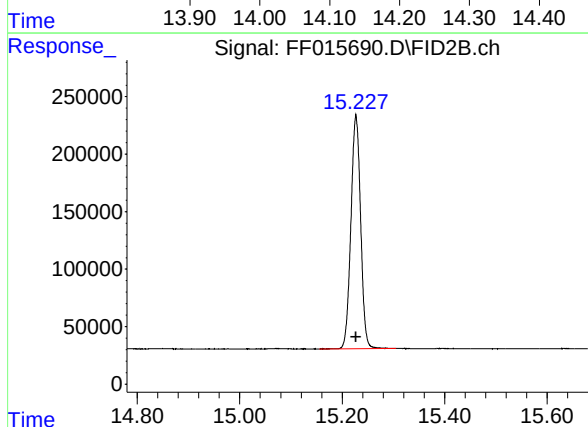
R.T.: 14.122 min
Delta R.T.: 0.000 min
Response: 2704312
Conc: 20.21 ug/ml

Instrument :

FID_F

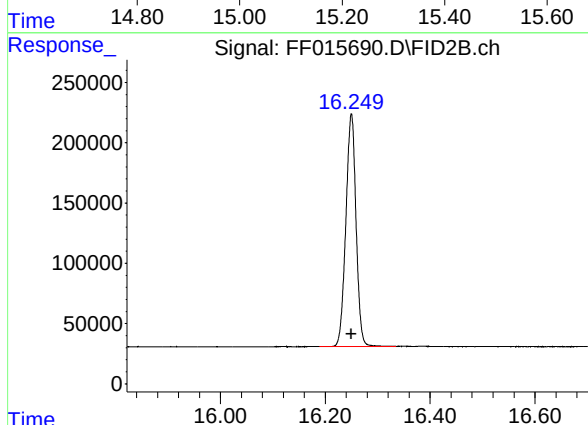
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



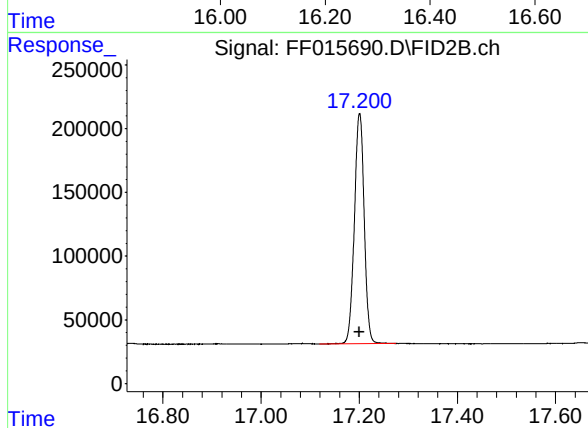
#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: 0.000 min
Response: 2671046
Conc: 19.95 ug/ml



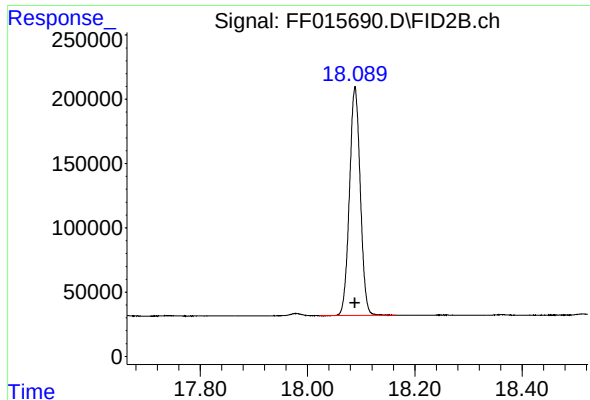
#15 n-Hexacosane (C26)

R.T.: 16.250 min
Delta R.T.: 0.000 min
Response: 2601824
Conc: 19.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.201 min
Delta R.T.: 0.000 min
Response: 2512077
Conc: 19.23 ug/ml



#17 n-Tricontane (C30)

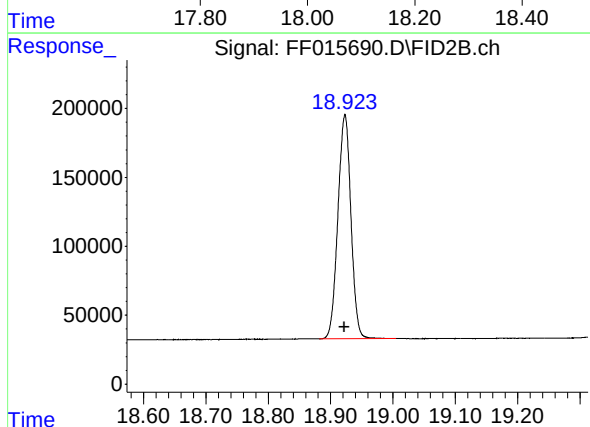
R.T.: 18.089 min
Delta R.T.: 0.000 min
Response: 2491163
Conc: 18.47 ug/ml

Instrument :

FID_F

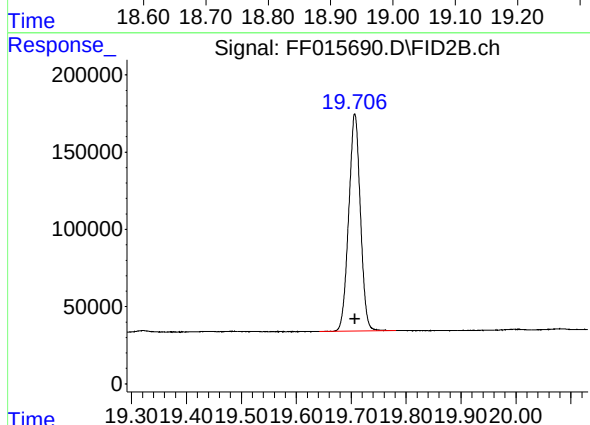
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



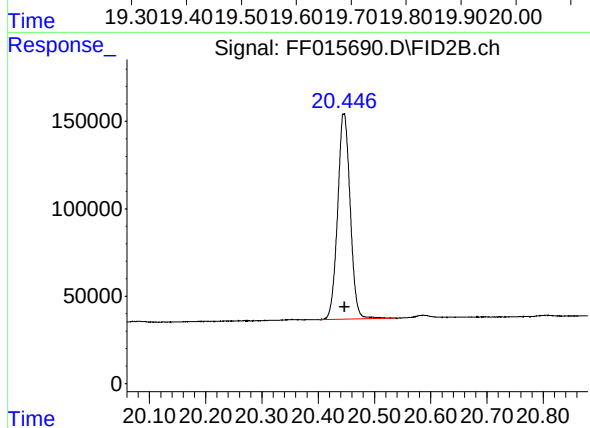
#18 n-Dotriacontane (C32)

R.T.: 18.923 min
Delta R.T.: 0.000 min
Response: 2366505
Conc: 18.15 ug/ml



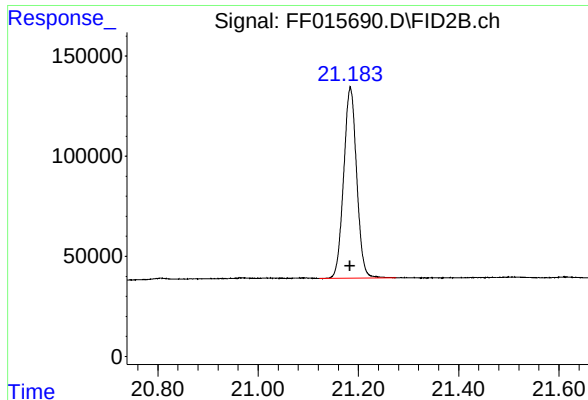
#19 n-Tetratriacontane (C34)

R.T.: 19.707 min
Delta R.T.: 0.000 min
Response: 2073223
Conc: 17.76 ug/ml



#20 n-Hexatriacontane (C36)

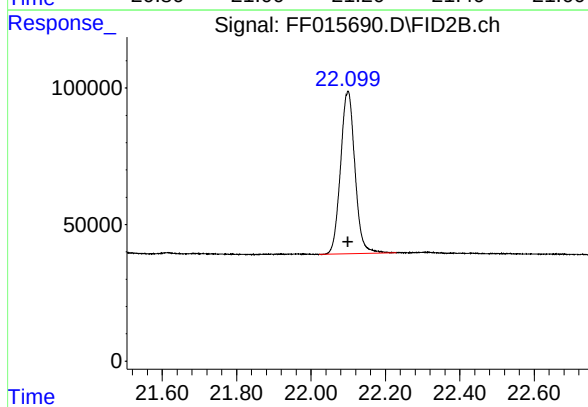
R.T.: 20.446 min
Delta R.T.: -0.001 min
Response: 1822987
Conc: 18.36 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.184 min
Delta R.T.: 0.000 min
Response: 1711240
Conc: 19.59 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.099 min
Delta R.T.: 0.000 min
Response: 1591714
Conc: 19.83 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015690.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 19:59
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.310	3.278	3.388	BB	253793	2596801	84.36%	4.727%
2	4.566	4.535	4.655	BB	257383	2644465	85.91%	4.814%
3	6.277	6.245	6.435	BB	237451	2742060	89.08%	4.991%
4	6.733	6.702	6.818	BB	255624	2676280	86.95%	4.872%
5	7.374	7.345	7.558	PB	194168	2565770	83.36%	4.670%
6	8.561	8.525	8.655	BB	240509	2661827	86.48%	4.845%
7	10.168	10.132	10.268	BB	244859	2764594	89.82%	5.032%
8	11.612	11.575	11.695	BB	238332	2841007	92.30%	5.171%
9	11.935	11.898	12.035	BB	264771	3078093	100.00%	5.603%
10	12.922	12.882	13.005	BB	227448	2769128	89.96%	5.041%
11	13.370	13.328	13.458	BB	189322	2311870	75.11%	4.208%
12	13.535	13.495	13.608	BB	219105	2738666	88.97%	4.985%
13	14.122	14.085	14.195	BB	218000	2704312	87.86%	4.923%
14	15.227	15.155	15.305	BB	201376	2671046	86.78%	4.862%
15	16.250	16.188	16.335	BB	191942	2601824	84.53%	4.736%
16	17.201	17.118	17.275	BB	181271	2512077	81.61%	4.573%
17	18.089	18.022	18.165	BB	177221	2491163	80.93%	4.535%
18	18.923	18.882	19.005	BB	162002	2366505	76.88%	4.308%
19	19.707	19.642	19.782	BB	140356	2073223	67.35%	3.774%
20	20.446	20.402	20.538	BB	118064	1822987	59.22%	3.318%
21	21.184	21.122	21.275	BB	95229	1711240	55.59%	3.115%
22	22.099	22.022	22.228	BB	59309	1591714	51.71%	2.897%
Sum of corrected areas:							54936650	

Aliphatic EPH 031725.M Tue Mar 18 02:45:33 2025

Initial Calibration Report for SequenceID : FG031725AR

AreaCount

Parameter Range	FG015502.D	FG015503.D	FG015504.D	FG015505.D	FG015506.D	
Aromatic C10-C12	26308403.000	13646067.000	5356264.000	2672678.000	1344384.000	
Aromatic C12-C16	40492472.000	20940760.000	8286344.000	4096782.000	2047703.000	
Aromatic C16-C21	54529163.000	28172992.000	11190203.000	5588718.000	2805377.000	
Aromatic C21-C36	113166303.000	58525947.000	23420337.000	11832868.000	6011171.000	
Aromatic EPH	234496341.000	121285766.000	48253148.000	24191046.000	12208635.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	133996.317	1.316				
Aromatic C12-C16	137151.7279996	1.285				
Aromatic C16-C21	139410.441	1.278				
Aromatic C21-C36	130193.7737774	2.205				
Aromatic EPH	133824.0858888	1.549				

Concentration

Parameter Range	FG015502.D	FG015503.D	FG015504.D	FG015505.D	FG015506.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	FG015502.D	FG015503.D	FG015504.D	FG015505.D	FG015506.D	
Aromatic C10-C12	131542.015000	136460.670000	133906.600000	133633.900000	134438.400000	
Aromatic C12-C16	134974.906666	139605.066666	138105.733333	136559.400000	136513.533333	
Aromatic C16-C21	136322.907500	140864.960000	139877.537500	139717.950000	140268.850000	
Aromatic C21-C36	125740.336666	130057.660000	130112.983333	131476.311111	133581.577777	
Aromatic EPH	130275.745000	134761.962222	134036.522222	134394.700000	135651.500000	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
 Data File : FG015502.D
 Signal(s) : FID1A.ch
 Acq On : 17 Mar 2025 17:32
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/18/2025
 Supervised By :mohammad ahmed 03/19/2025

Integration File: autoint1.e
 Quant Time: Mar 18 05:05:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:03:12 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...	7.974	12105537	98.595 ug/ml
Spiked Amount 50.000		Recovery =	197.19%
6) S 2-Fluorobiphenyl (SURR)	8.853	8370393	99.475 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	198.95%#
11) S ortho-Terphenyl (SURR)	11.928	14012330	96.152 ug/ml
Spiked Amount 50.000		Recovery =	192.30%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.562	12840032	96.919 ug/ml
2) T Naphthalene (C11.7)	6.242	13468371	99.522 ug/ml
3) T 2-Methylnaphthalene (...)	7.345	13313235	98.974 ug/ml
5) T Acenaphthylene (C15.06)	8.653	13783047	96.780 ug/ml
7) T Acenaphthene (C15.5)	8.955	13396190	97.506 ug/ml
8) T Flouorene (C16.55)	9.747	13800957	98.061 ug/ml
9) T Phenanthrene (C19.36)	11.159	13756074	97.537 ug/ml
10) T Anthracene (C19.43)	11.237	13373083	97.491 ug/ml
12) T Fluoranthene (C21.85)	12.989	13778619	96.567 ug/ml
13) T Pyrene (C20.8)	13.289	13599049	96.746 ug/ml
14) T Benzo[a]anthracene (C...	15.175	13331057	97.429 ug/ml
15) T Chrysene (C27.41)	15.223	13202695	94.828 ug/ml
16) T benzo[b]fluoranthene ...	16.742	12963312	97.262 ug/ml
17) T Bnezo[k]fluoranthene ...	16.782	12883302	95.182 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.124	12183444	97.050 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.502	11677700	106.908 ug/ml
20) T Dibenz[a,h]anthracene...	18.542	11521430	88.555 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.765	11624744	97.881 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015502.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 17:32
Operator : YP\AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 71 Sample Multiplier: 1

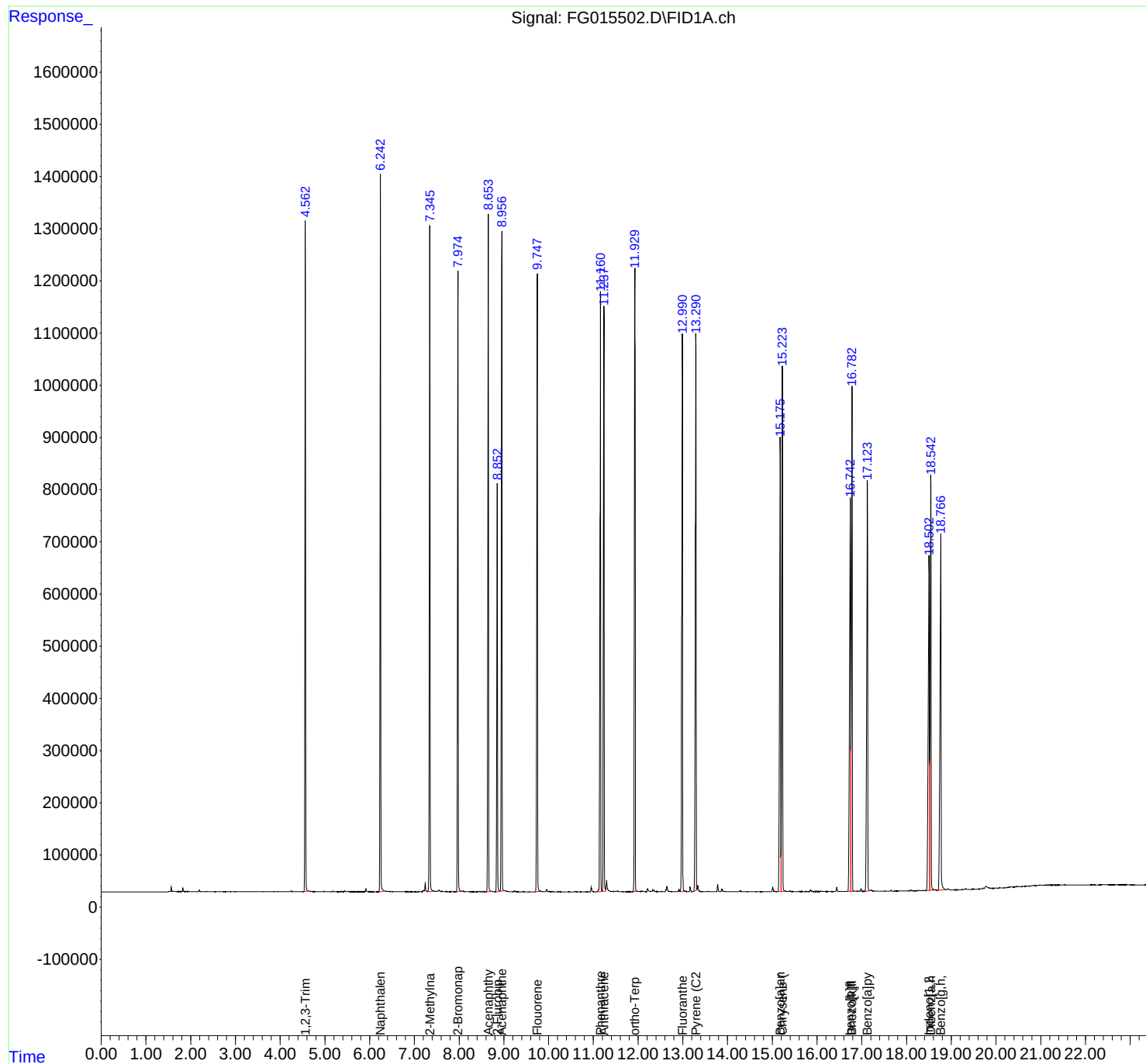
Instrument :
FID_G
ClientSampleId :
100 PPM AROMATIC HC STD1

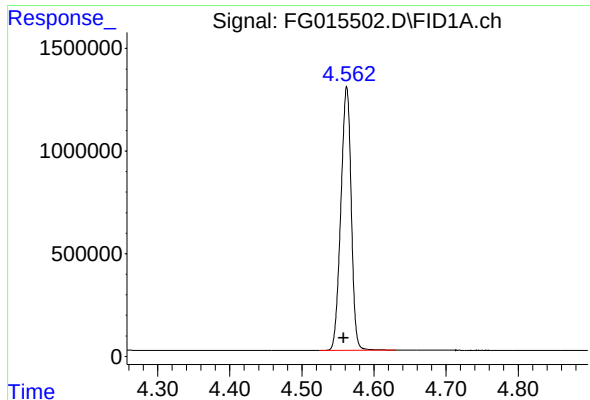
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File: autoint1.e
Quant Time: Mar 18 05:05:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:03:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.562 min
Delta R.T.: 0.004 min
Response: 12840032
Conc: 96.92 ug/ml

Instrument :

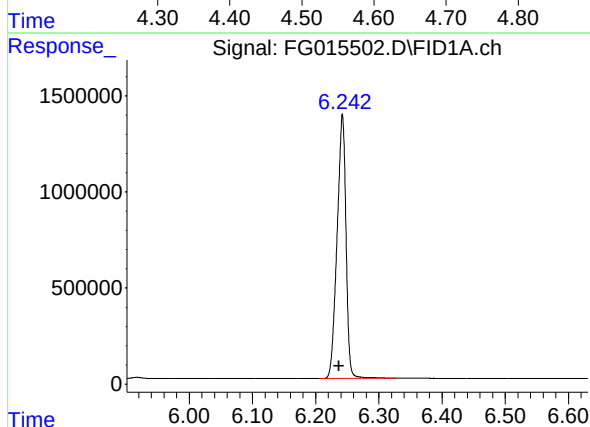
FID_G

ClientSampleId :

100 PPM AROMATIC HC STD1

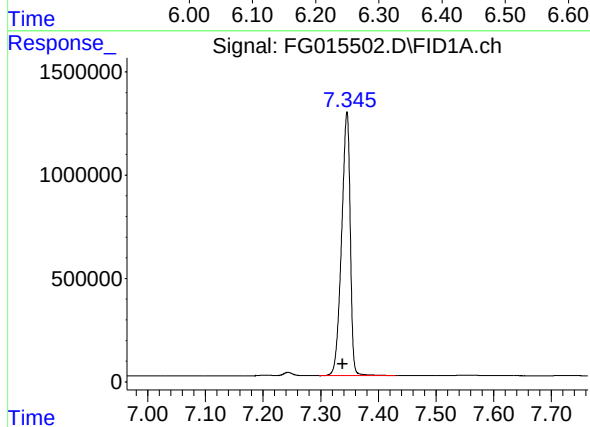
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



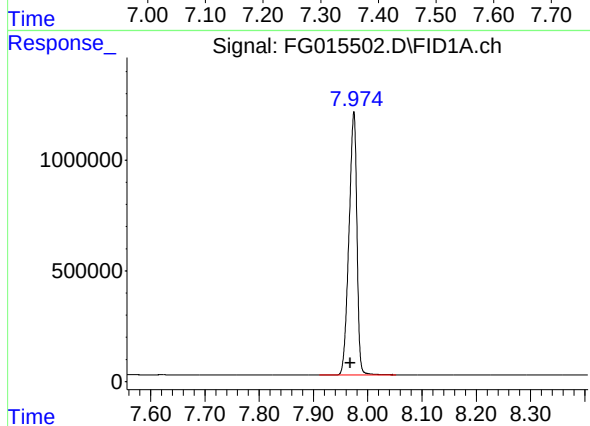
#2 Naphthalene (C11.7)

R.T.: 6.242 min
Delta R.T.: 0.005 min
Response: 13468371
Conc: 99.52 ug/ml



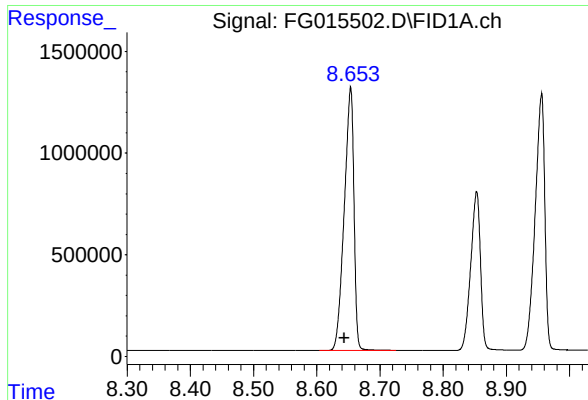
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.345 min
Delta R.T.: 0.007 min
Response: 13313235
Conc: 98.97 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.974 min
Delta R.T.: 0.006 min
Response: 12105537
Conc: 98.59 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.653 min
Delta R.T.: 0.009 min
Response: 13783047
Conc: 96.78 ug/ml

Instrument :

FID_G

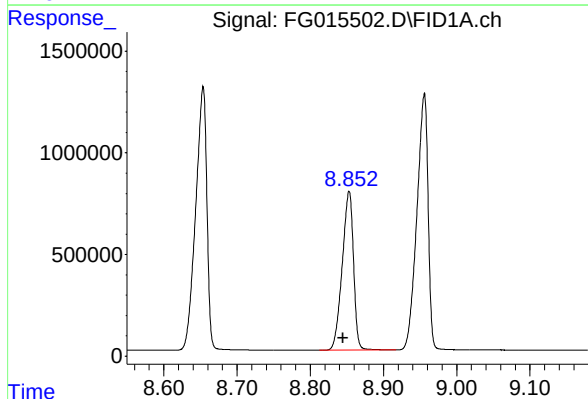
ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

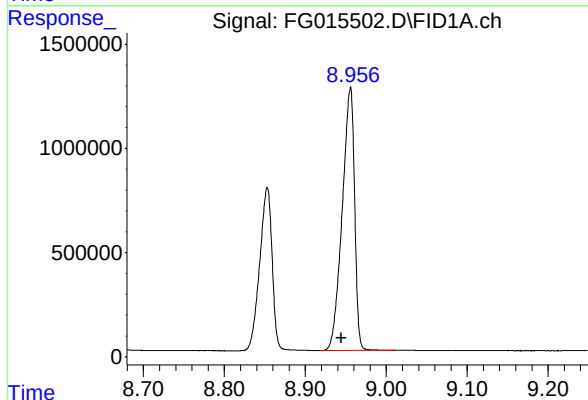
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



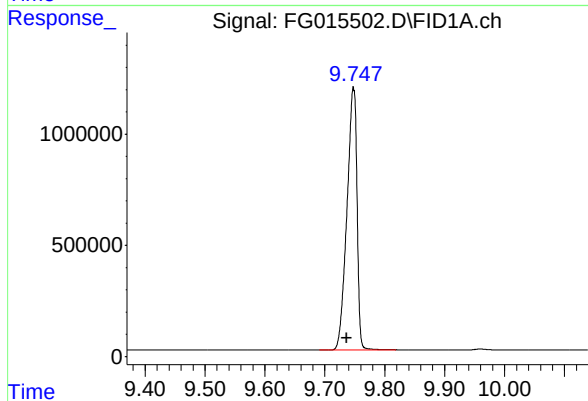
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.853 min
Delta R.T.: 0.008 min
Response: 8370393
Conc: 99.48 ug/ml



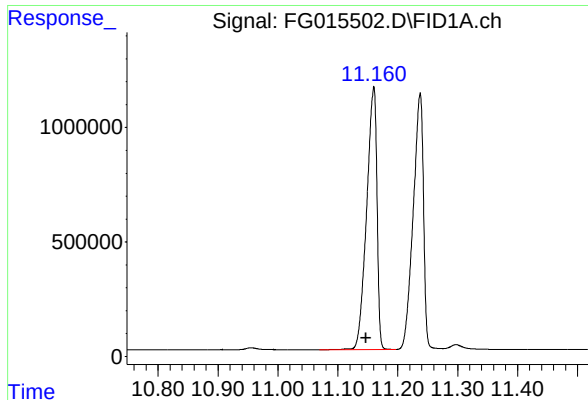
#7 Acenaphthene (C15.5)

R.T.: 8.955 min
Delta R.T.: 0.011 min
Response: 13396190
Conc: 97.51 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.747 min
Delta R.T.: 0.011 min
Response: 13800957
Conc: 98.06 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.159 min
Delta R.T.: 0.012 min
Response: 13756074
Conc: 97.54 ug/ml

Instrument :

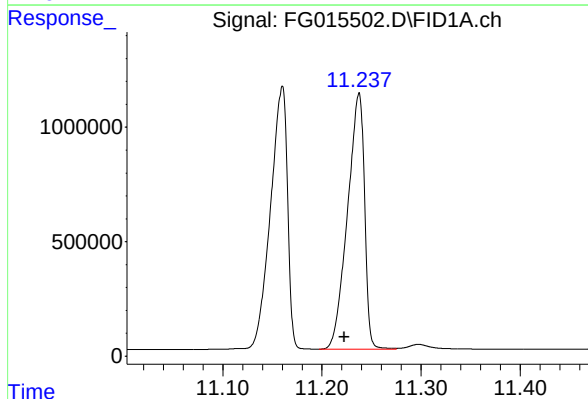
FID_G

ClientSampleId :

100 PPM AROMATIC HC STD1

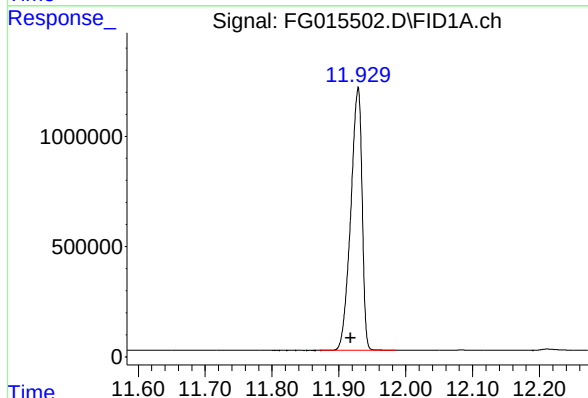
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



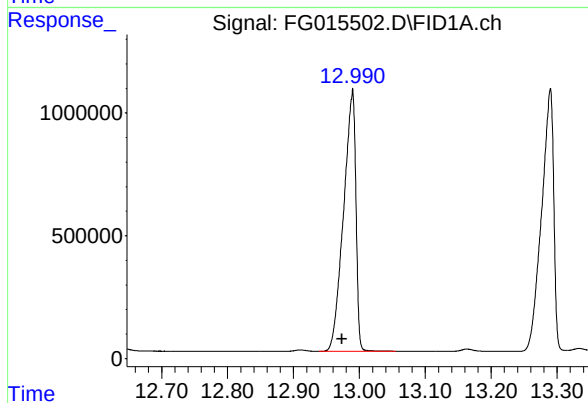
#10 Anthracene (C19.43)

R.T.: 11.237 min
Delta R.T.: 0.014 min
Response: 13373083
Conc: 97.49 ug/ml



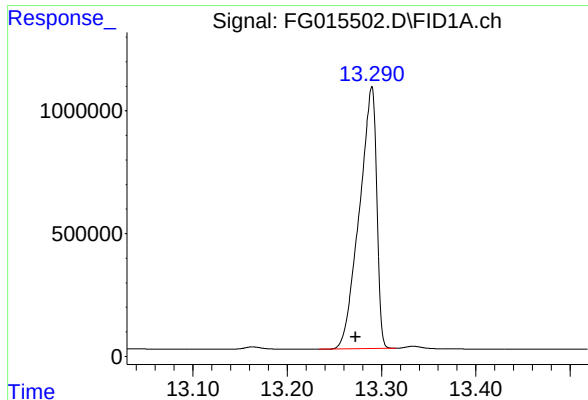
#11 ortho-Terphenyl (SURR)

R.T.: 11.928 min
Delta R.T.: 0.010 min
Response: 14012330
Conc: 96.15 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.989 min
Delta R.T.: 0.015 min
Response: 13778619
Conc: 96.57 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.289 min
Delta R.T.: 0.016 min
Response: 13599049
Conc: 96.75 ug/ml

Instrument :

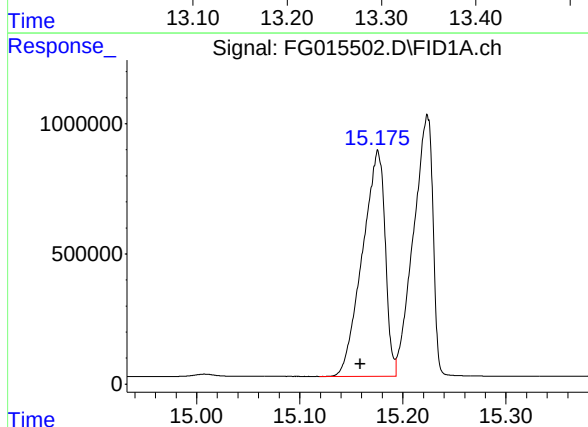
FID_G

ClientSampleId :

100 PPM AROMATIC HC STD1

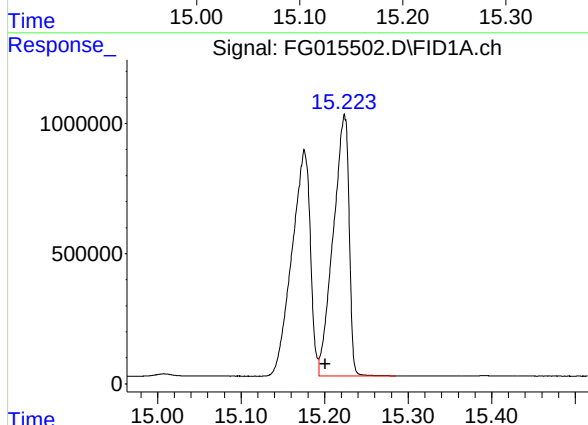
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



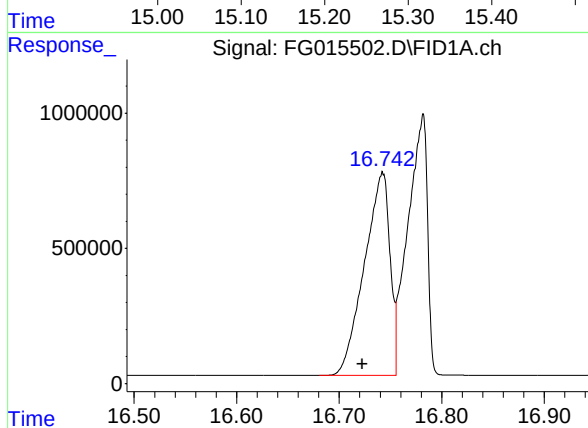
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.175 min
Delta R.T.: 0.017 min
Response: 13331057
Conc: 97.43 ug/ml



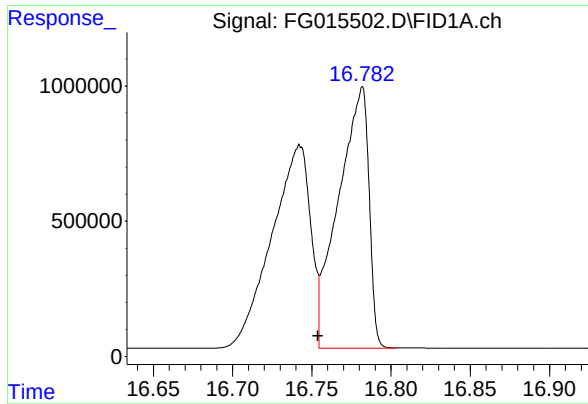
#15 Chrysene (C27.41)

R.T.: 15.223 min
Delta R.T.: 0.022 min
Response: 13202695
Conc: 94.83 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.742 min
Delta R.T.: 0.019 min
Response: 12963312
Conc: 97.26 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.782 min
Delta R.T.: 0.028 min
Response: 12883302
Conc: 95.18 ug/ml

Instrument :

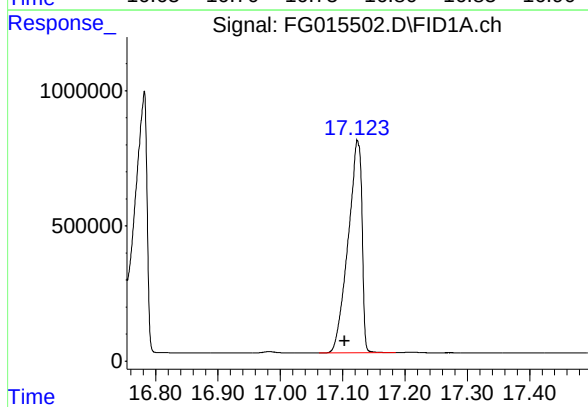
FID_G

ClientSampleId :

100 PPM AROMATIC HC STD1

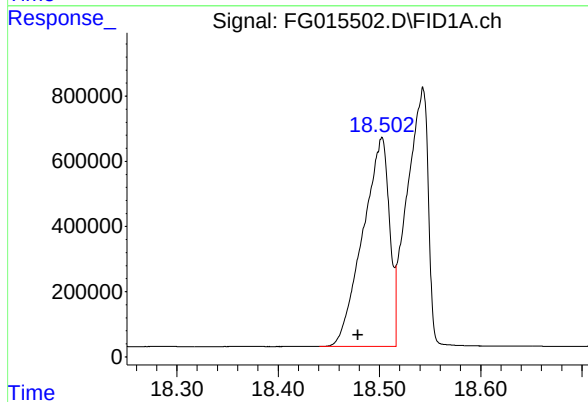
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



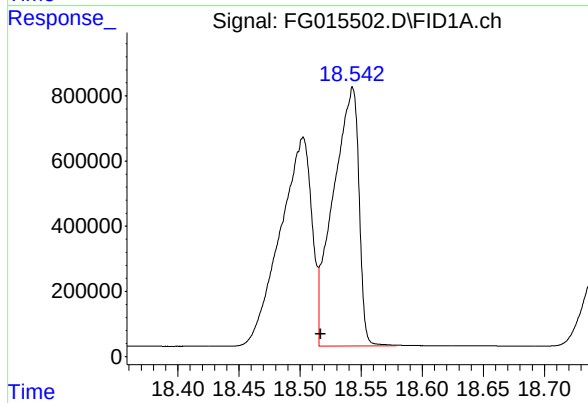
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.124 min
Delta R.T.: 0.021 min
Response: 12183444
Conc: 97.05 ug/ml



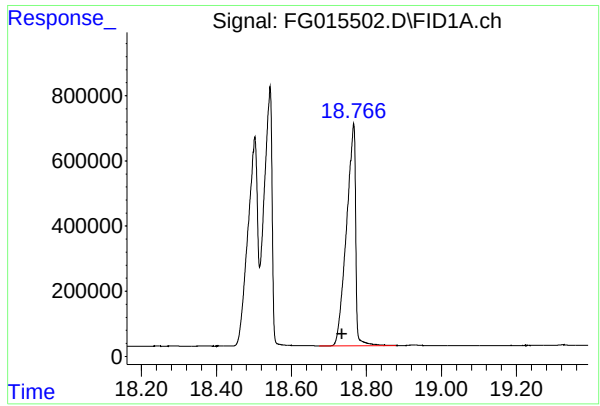
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.502 min
Delta R.T.: 0.023 min
Response: 11677700
Conc: 106.91 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.542 min
Delta R.T.: 0.026 min
Response: 11521430
Conc: 88.56 ug/ml m



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.765 min
Delta R.T.: 0.030 min
Response: 11624744
Conc: 97.88 ug/ml

Instrument :

FID_G

ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/18/2025

Supervised By :mohammad ahmed 03/19/2025

rteres

Instrument :
FID_G
LabSampleId :
100 PPM AROMATIC HC STD1
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03172
Data File : FG015502.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 17:32
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.562	4.524	4.630	BB	1286868	12840032	91.63%	4.776%
2	6.242	6.205	6.327	BB	1378263	13468371	96.12%	5.010%
3	7.345	7.297	7.430	BB	1277161	13313235	95.01%	4.952%
4	7.974	7.910	8.052	BB	1183626	12105537	86.39%	4.503%
5	8.653	8.604	8.725	BB	1304910	13783047	98.36%	5.127%
6	8.853	8.812	8.917	BV	779899	8370393	59.74%	3.113%
7	8.955	8.917	9.012	PB	1257547	13396190	95.60%	4.983%
8	9.747	9.690	9.819	BB	1182719	13800957	98.49%	5.133%
9	11.159	11.069	11.197	BV	1131903	13756074	98.17%	5.117%
10	11.237	11.197	11.275	VV	1118319	13373083	95.44%	4.974%
11	11.928	11.870	11.985	BB	1195352	14012330	100.00%	5.212%
12	12.989	12.939	13.055	BB	1040082	13778619	98.33%	5.125%
13	13.289	13.234	13.315	BV	1061802	13599049	97.05%	5.058%
14	15.175	15.119	15.193	BV	870623	13331057	95.14%	4.959%
15	15.223	15.193	15.285	VB	1006887	13202695	94.22%	4.911%
16	16.742	16.680	16.755	BV	752513	12963312	92.51%	4.822%
17	16.780	16.755	16.825	VB	940291	12801086	91.36%	4.761%
18	17.124	17.062	17.185	BB	785544	12183444	86.95%	4.532%
19	18.502	18.440	18.516	BV	640919	11677700	83.34%	4.344%
20	18.542	18.516	18.605	VB	786324	11471033	81.86%	4.267%
21	18.765	18.674	18.879	BB	682159	11624744	82.96%	4.324%
Sum of corrected areas:						268851988		

Aromatic EPH 031725.M Tue Mar 18 05:30:15 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
 Data File : FG015503.D
 Signal(s) : FID1A.ch
 Acq On : 17 Mar 2025 18:01
 Operator : YP\AJ
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM AROMATIC HC STD2

Integration File: autoint1.e
 Quant Time: Mar 18 05:05:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:03:12 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...	7.970	6252076	50.921 ug/ml
Spiked Amount 50.000		Recovery =	101.84%
6) S 2-Fluorobiphenyl (SURR)	8.848	4317875	51.314 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	102.63%
11) S ortho-Terphenyl (SURR)	11.922	7266771	49.864 ug/ml
Spiked Amount 50.000		Recovery =	99.73%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.559	6683567	50.449 ug/ml
2) T Naphthalene (C11.7)	6.238	6962500	51.448 ug/ml
3) T 2-Methylnaphthalene (...)	7.341	6863854	51.028 ug/ml
5) T Acenaphthylene (C15.06)	8.647	7140045	50.135 ug/ml
7) T Acenaphthene (C15.5)	8.948	6936861	50.491 ug/ml
8) T Fluorene (C16.55)	9.741	7121120	50.598 ug/ml
9) T Phenanthrene (C19.36)	11.152	7081296	50.210 ug/ml
10) T Anthracene (C19.43)	11.228	6911119	50.382 ug/ml
12) T Fluoranthene (C21.85)	12.980	7142483	50.058 ug/ml
13) T Pyrene (C20.8)	13.279	7059457	50.222 ug/ml
14) T Benzo[a]anthracene (C...	15.167	6915741	50.543 ug/ml
15) T Chrysene (C27.41)	15.211	6897314	49.540 ug/ml
16) T benzo[b]fluoranthene ...	16.730	6698936	50.261 ug/ml
17) T Bnezo[k]fluoranthene ...	16.766	6683367	49.377 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.112	6306419	50.235 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.488	5779285	52.909 ug/ml
20) T Dibenz[a,h]anthracene...	18.527	6138030	47.178 ug/ml
21) T Benzo[g,h,i]perylene ...	18.746	5964372	50.220 ug/ml

(f)=RT Delta > 1/2 Window

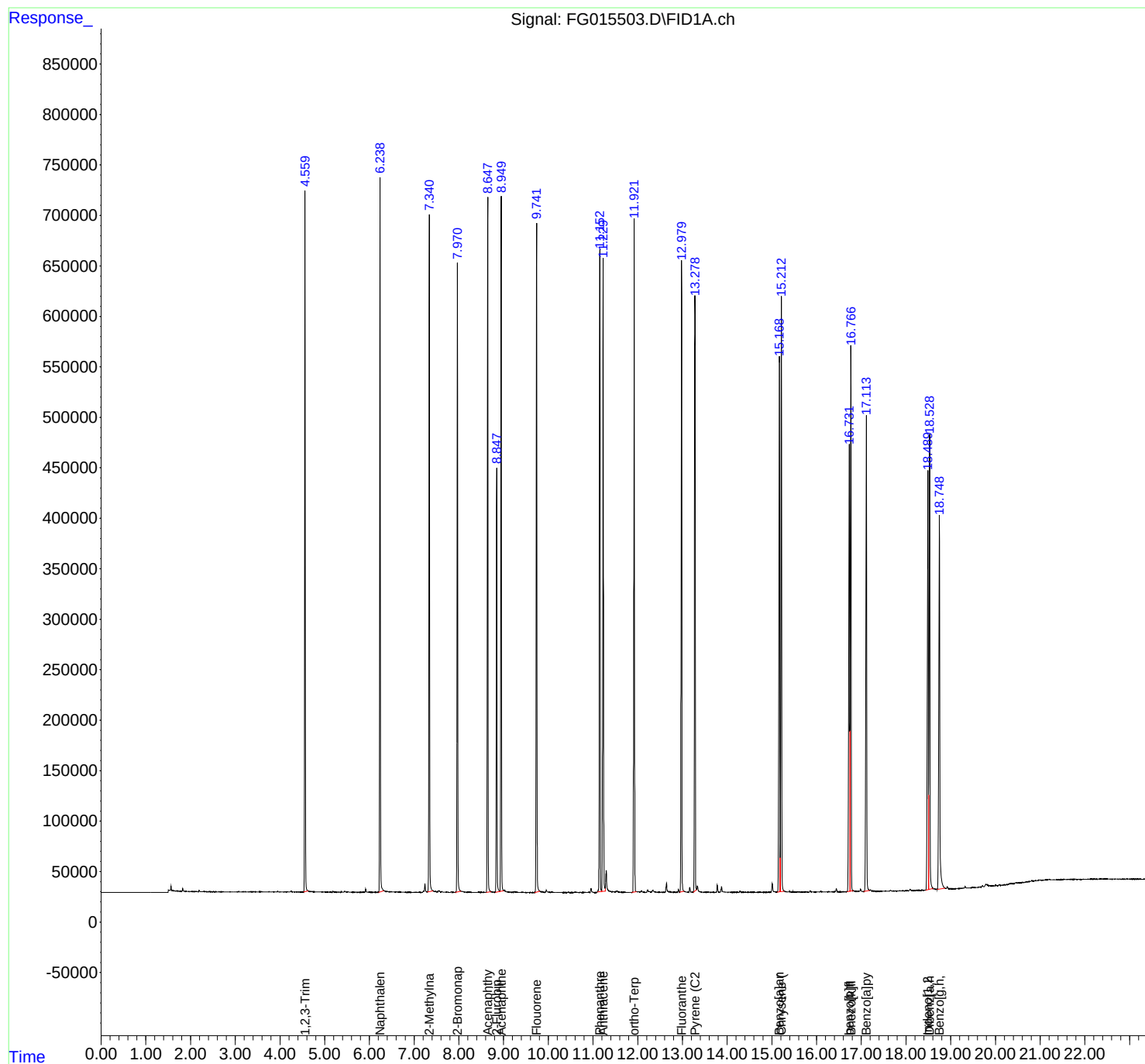
(m)=manual int.

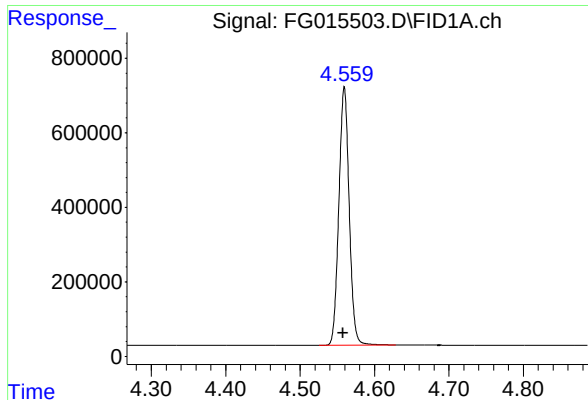
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015503.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 18:01
Operator : YP\AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Mar 18 05:05:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:03:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

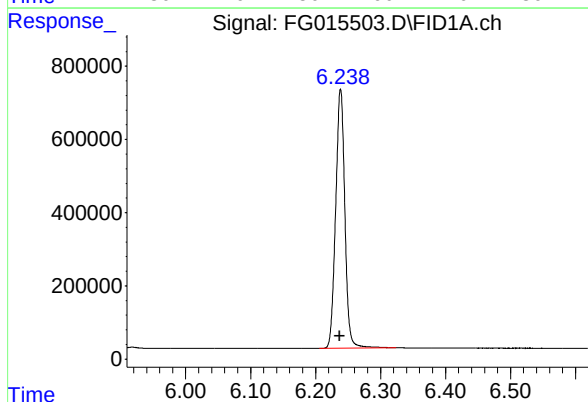




#1 1,2,3-Trimethylbenzene (C10.1)

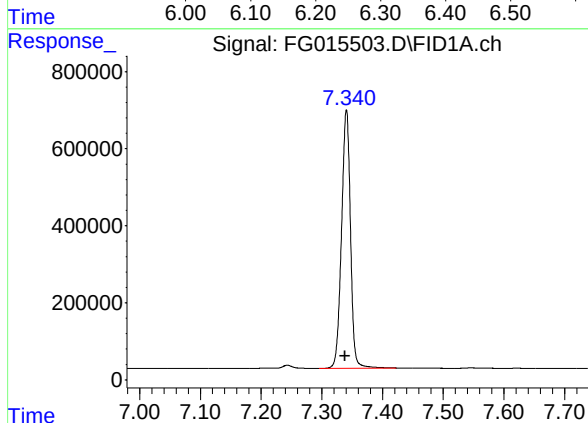
R.T.: 4.559 min
Delta R.T.: 0.001 min
Response: 6683567
Conc: 50.45 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



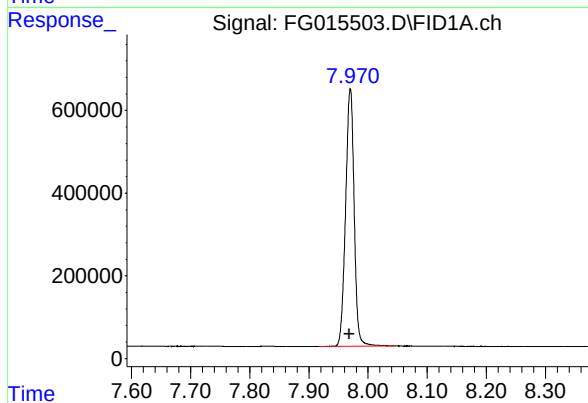
#2 Naphthalene (C11.7)

R.T.: 6.238 min
Delta R.T.: 0.002 min
Response: 6962500
Conc: 51.45 ug/ml



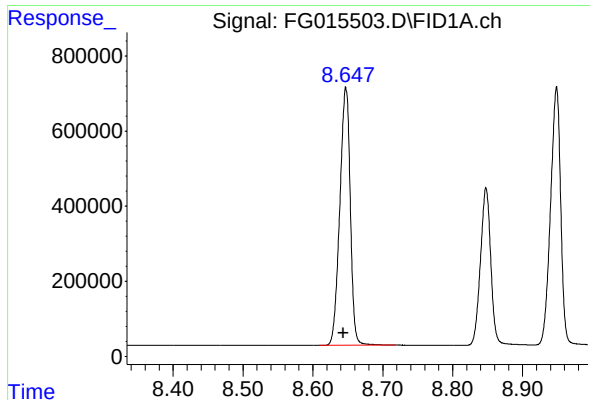
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.341 min
Delta R.T.: 0.002 min
Response: 6863854
Conc: 51.03 ug/ml



#4 2-Bromonaphthalene (SURR)

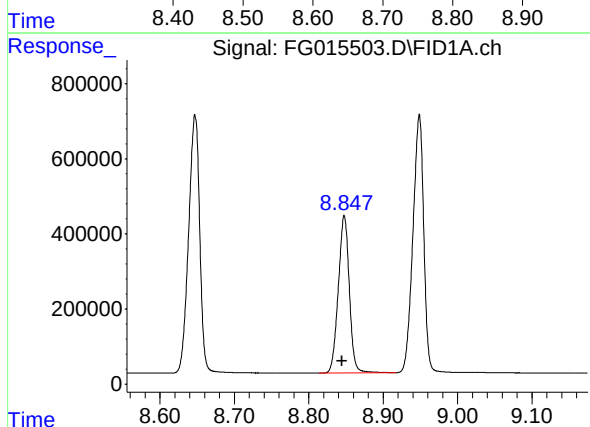
R.T.: 7.970 min
Delta R.T.: 0.002 min
Response: 6252076
Conc: 50.92 ug/ml



#5 Acenaphthylene (C15.06)

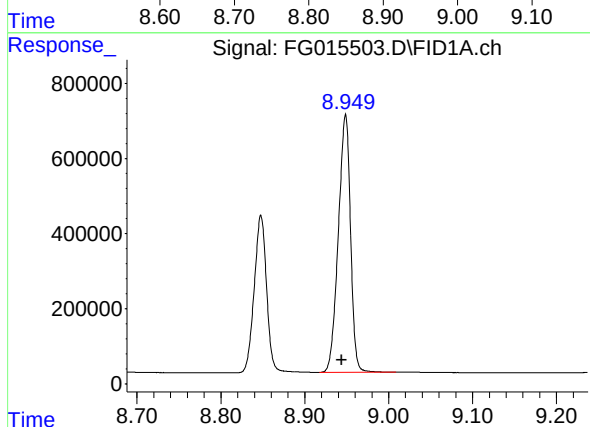
R.T.: 8.647 min
Delta R.T.: 0.003 min
Response: 7140045
Conc: 50.13 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



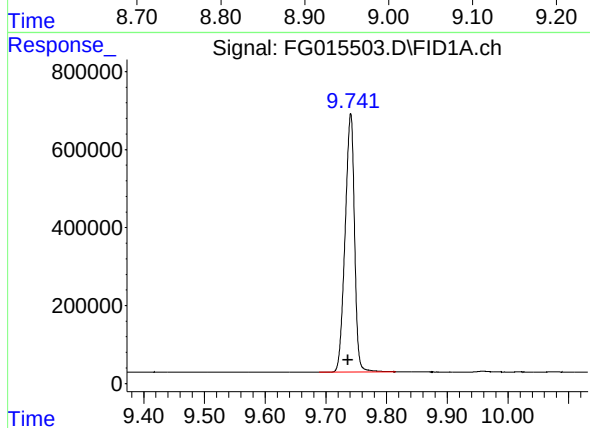
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.848 min
Delta R.T.: 0.003 min
Response: 4317875
Conc: 51.31 ug/ml



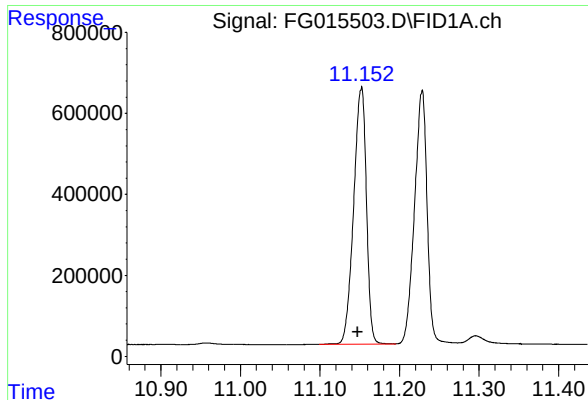
#7 Acenaphthene (C15.5)

R.T.: 8.948 min
Delta R.T.: 0.004 min
Response: 6936861
Conc: 50.49 ug/ml



#8 Fluorene (C16.55)

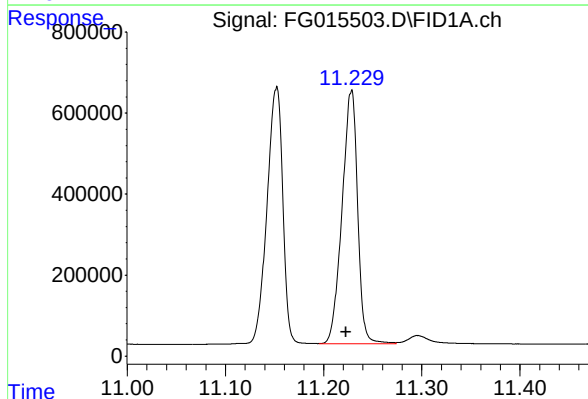
R.T.: 9.741 min
Delta R.T.: 0.004 min
Response: 7121120
Conc: 50.60 ug/ml



#9 Phenanthrene (C19.36)

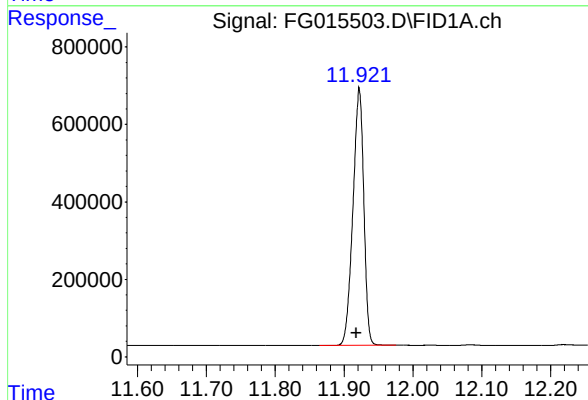
R.T.: 11.152 min
Delta R.T.: 0.004 min
Response: 7081296
Conc: 50.21 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



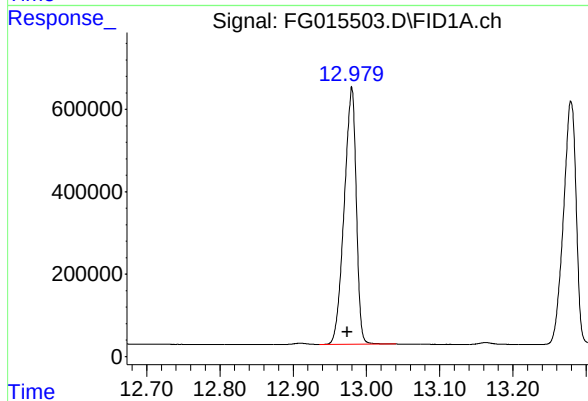
#10 Anthracene (C19.43)

R.T.: 11.228 min
Delta R.T.: 0.005 min
Response: 6911119
Conc: 50.38 ug/ml



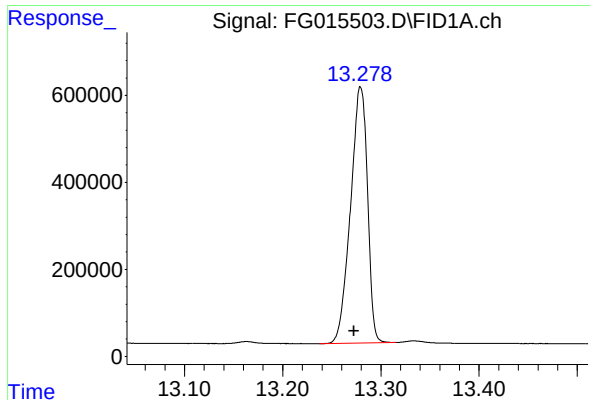
#11 ortho-Terphenyl (SURR)

R.T.: 11.922 min
Delta R.T.: 0.004 min
Response: 7266771
Conc: 49.86 ug/ml



#12 Fluoranthene (C21.85)

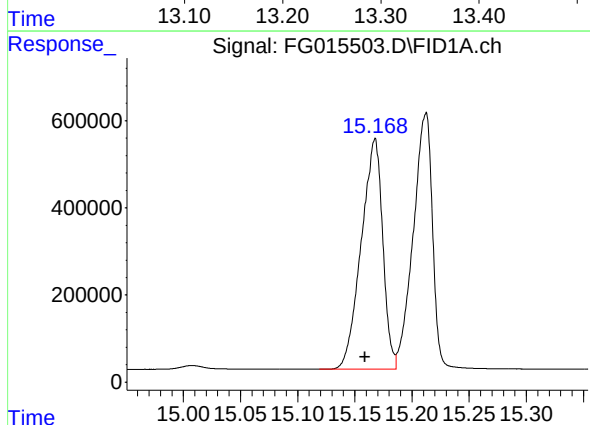
R.T.: 12.980 min
Delta R.T.: 0.006 min
Response: 7142483
Conc: 50.06 ug/ml



#13 Pyrene (C20.8)

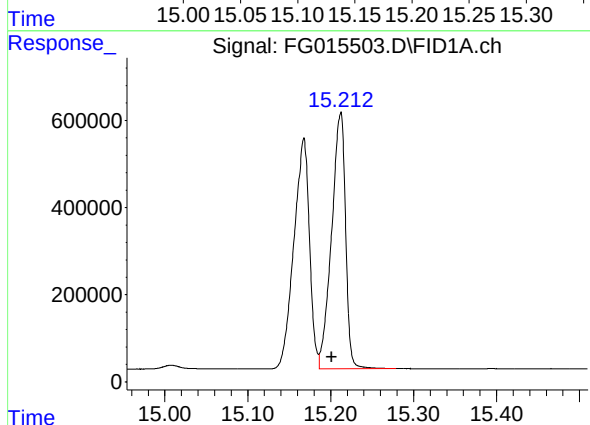
R.T.: 13.279 min
Delta R.T.: 0.007 min
Response: 7059457
Conc: 50.22 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



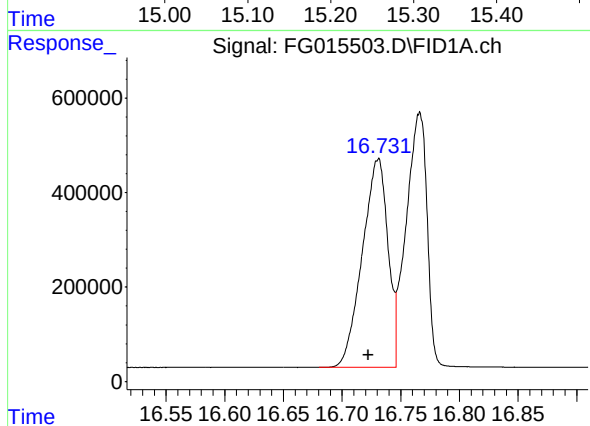
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.167 min
Delta R.T.: 0.008 min
Response: 6915741
Conc: 50.54 ug/ml



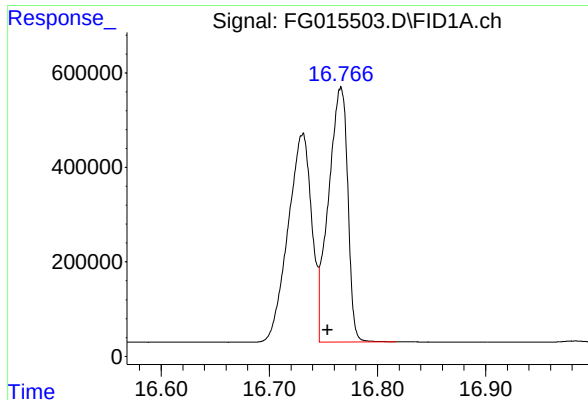
#15 Chrysene (C27.41)

R.T.: 15.211 min
Delta R.T.: 0.010 min
Response: 6897314
Conc: 49.54 ug/ml



#16 benzo[b]fluoranthene (C30.41)

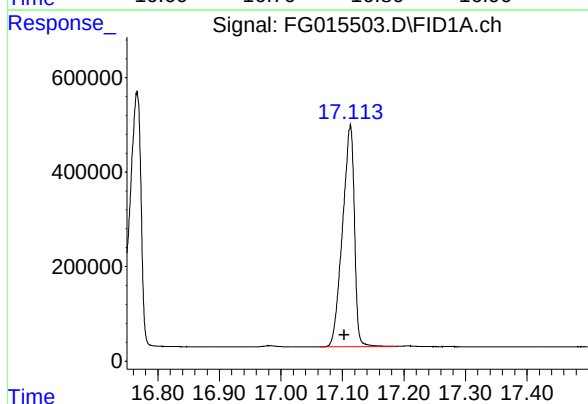
R.T.: 16.730 min
Delta R.T.: 0.008 min
Response: 6698936
Conc: 50.26 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

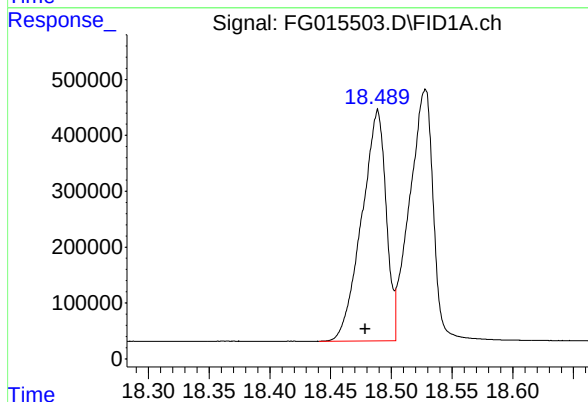
R.T.: 16.766 min
Delta R.T.: 0.012 min
Response: 6683367
Conc: 49.38 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2



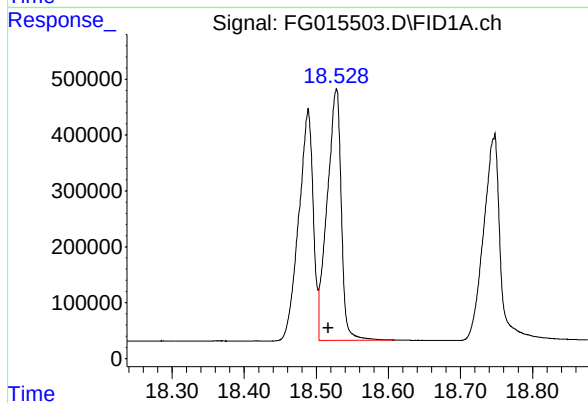
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.112 min
Delta R.T.: 0.009 min
Response: 6306419
Conc: 50.24 ug/ml



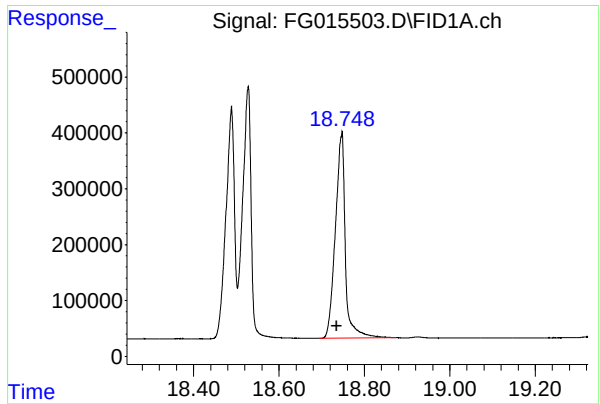
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.488 min
Delta R.T.: 0.009 min
Response: 5779285
Conc: 52.91 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.527 min
Delta R.T.: 0.010 min
Response: 6138030
Conc: 47.18 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.746 min
Delta R.T.: 0.011 min
Response: 5964372
Conc: 50.22 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015503.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 18:01
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.559	4.525	4.629	BB	692822	6683567	91.97%	4.804%
2	6.238	6.205	6.324	BB	708190	6962500	95.81%	5.005%
3	7.341	7.295	7.422	BB	672363	6863854	94.46%	4.934%
4	7.970	7.917	8.047	BB	624900	6252076	86.04%	4.494%
5	8.647	8.609	8.719	BB	689280	7140045	98.26%	5.132%
6	8.848	8.814	8.917	BV	420066	4317875	59.42%	3.104%
7	8.948	8.917	9.009	VB	690305	6936861	95.46%	4.986%
8	9.741	9.689	9.815	BB	662648	7121120	98.00%	5.119%
9	11.152	11.099	11.195	BV	633365	7081296	97.45%	5.090%
10	11.228	11.195	11.274	VV	628844	6911119	95.11%	4.968%
11	11.922	11.864	11.975	BB	666154	7266771	100.00%	5.223%
12	12.980	12.935	13.040	BB	628105	7142483	98.29%	5.134%
13	13.279	13.237	13.315	BV	589874	7059457	97.15%	5.074%
14	15.167	15.119	15.186	BV	527322	6915741	95.17%	4.971%
15	15.211	15.186	15.279	VB	588643	6897314	94.92%	4.958%
16	16.730	16.680	16.746	BV	438494	6698936	92.19%	4.815%
17	16.766	16.746	16.817	VB	537696	6683367	91.97%	4.804%
18	17.112	17.062	17.187	BB	464825	6306419	86.78%	4.533%
19	18.488	18.440	18.504	BV	414630	5779285	79.53%	4.154%
20	18.527	18.504	18.610	VB	448284	6138030	84.47%	4.412%
21	18.746	18.694	18.874	BB	362001	5964372	82.08%	4.287%
Sum of corrected areas:						139122488		

Aromatic EPH 031725.M Tue Mar 18 05:30:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
 Data File : FG015504.D
 Signal(s) : FID1A.ch
 Acq On : 17 Mar 2025 18:31
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD3

Integration File: autoint1.e
 Quant Time: Mar 18 05:03:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:03:12 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...	7.968	2455614	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.845	1682913	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.918	2914634	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.558	2649640	20.000 ug/ml
2) T Naphthalene (C11.7)	6.237	2706624	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	7.338	2690250	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.644	2848336	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.944	2747758	20.000 ug/ml
8) T Fluorene (C16.55)	9.736	2814760	20.000 ug/ml
9) T Phenanthrene (C19.36)	11.147	2820694	20.000 ug/ml
10) T Anthracene (C19.43)	11.223	2743461	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.974	2853693	20.000 ug/ml
13) T Pyrene (C20.8)	13.273	2811288	20.000 ug/ml
14) T Benzo[a]anthracene (C...	15.159	2736578	20.000 ug/ml
15) T Chrysene (C27.41)	15.201	2784558	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.723	2665661	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.754	2707094	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.103	2510749	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.479	2184625	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	18.517	2602093	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.735	2375286	20.000 ug/ml

(f)=RT Delta > 1/2 Window

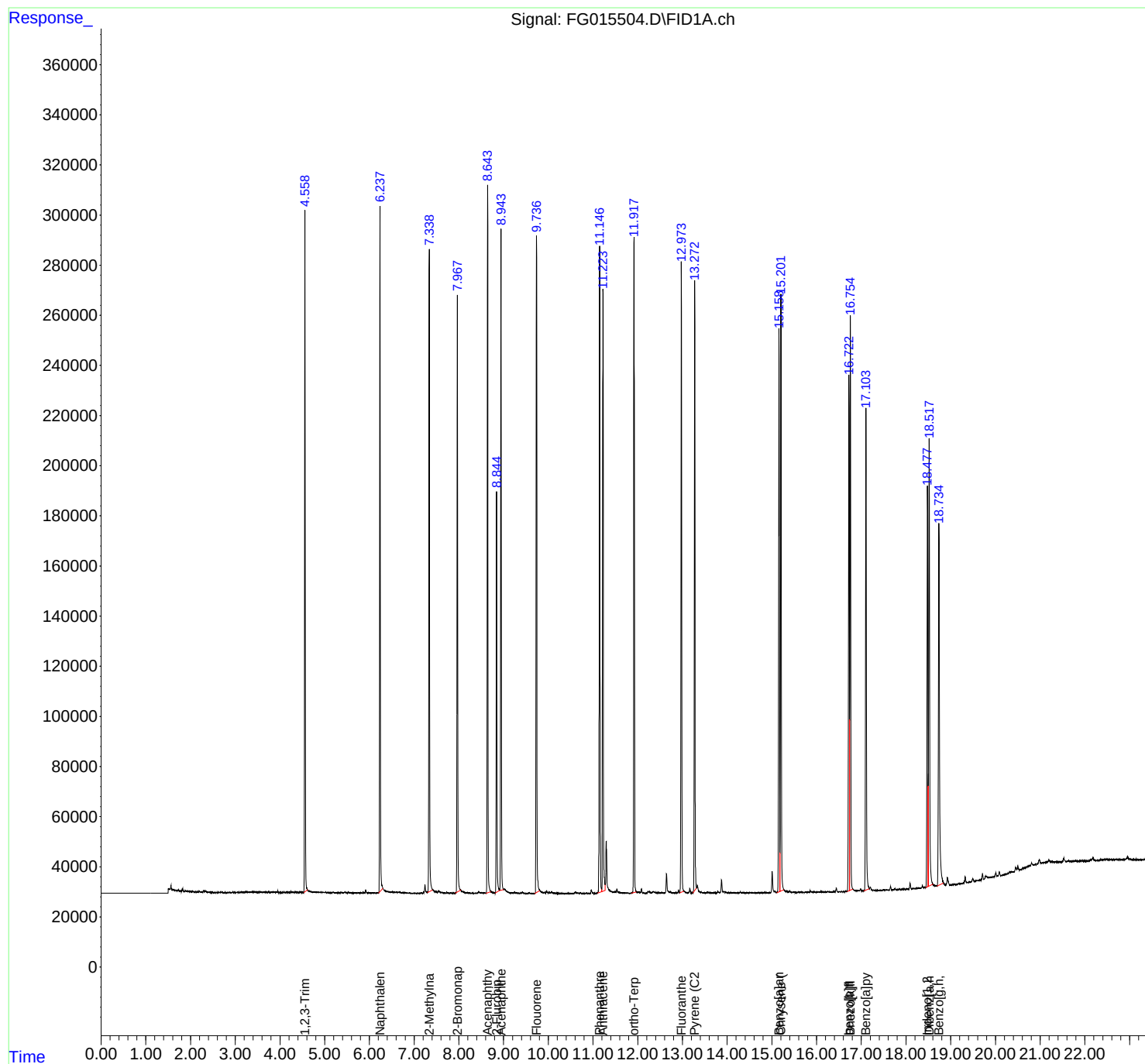
(m)=manual int.

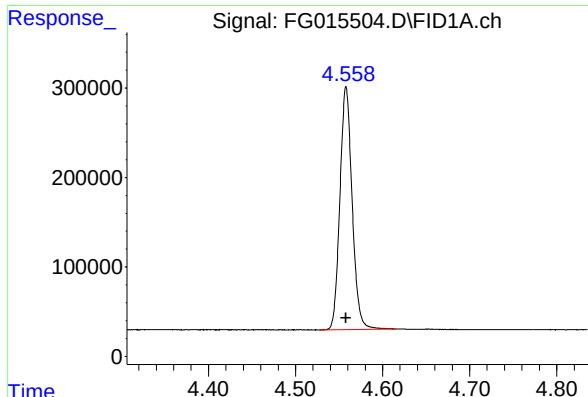
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015504.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 18:31
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Mar 18 05:03:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:03:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

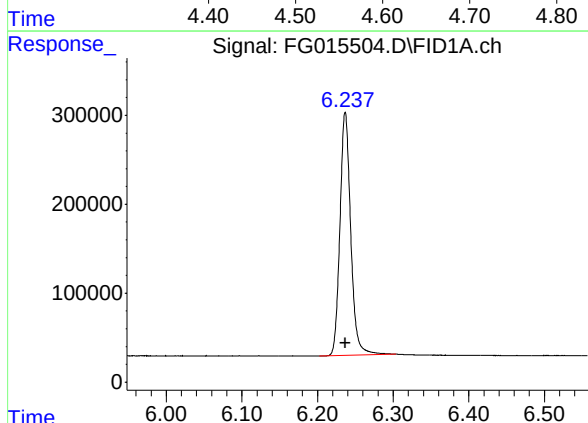




#1 1,2,3-Trimethylbenzene (C10.1)

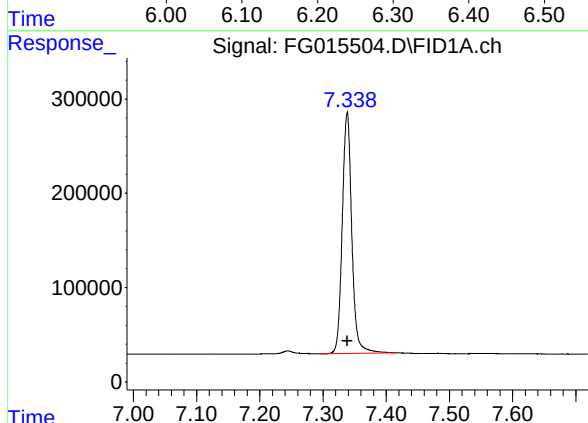
R.T.: 4.558 min
Delta R.T.: 0.000 min
Response: 2649640
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



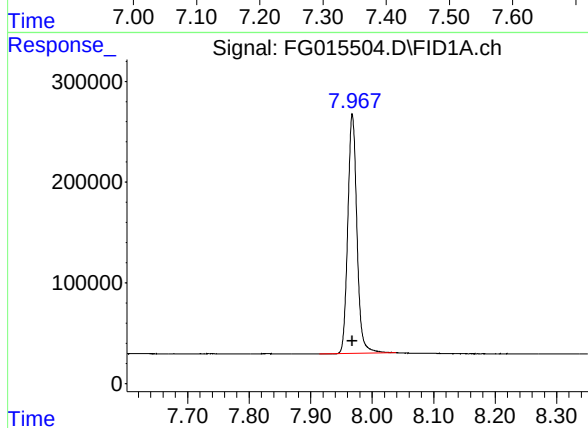
#2 Naphthalene (C11.7)

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 2706624
Conc: 20.00 ug/ml



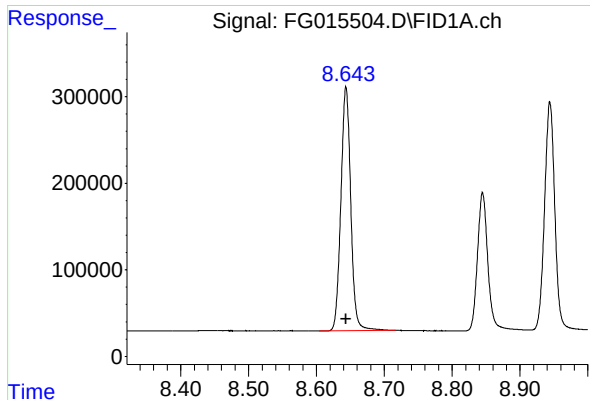
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.338 min
Delta R.T.: 0.000 min
Response: 2690250
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

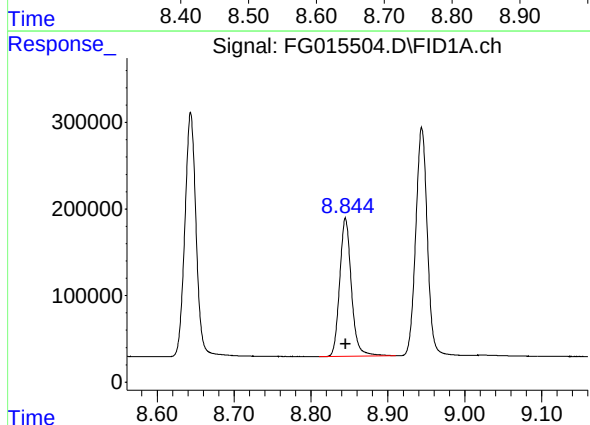
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 2455614
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

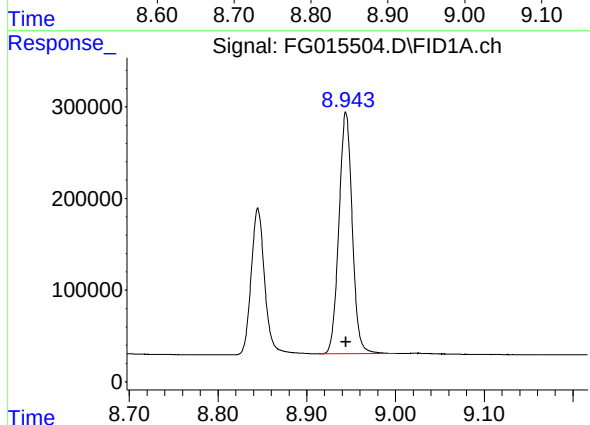
R.T.: 8.644 min
Delta R.T.: 0.000 min
Response: 2848336
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



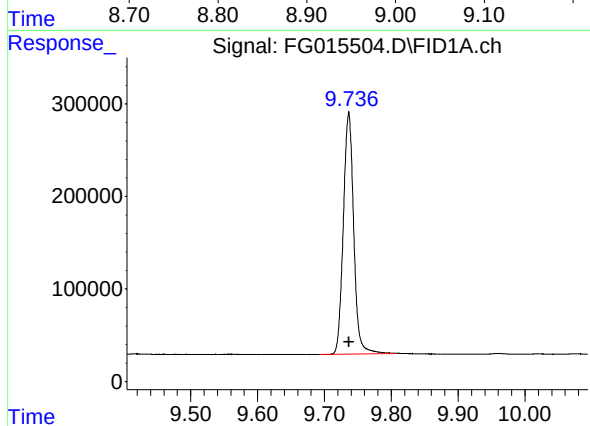
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.845 min
Delta R.T.: 0.000 min
Response: 1682913
Conc: 20.00 ug/ml



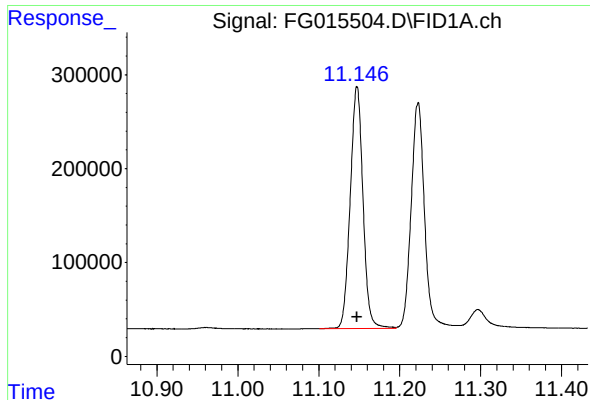
#7 Acenaphthene (C15.5)

R.T.: 8.944 min
Delta R.T.: 0.000 min
Response: 2747758
Conc: 20.00 ug/ml



#8 Fluorene (C16.55)

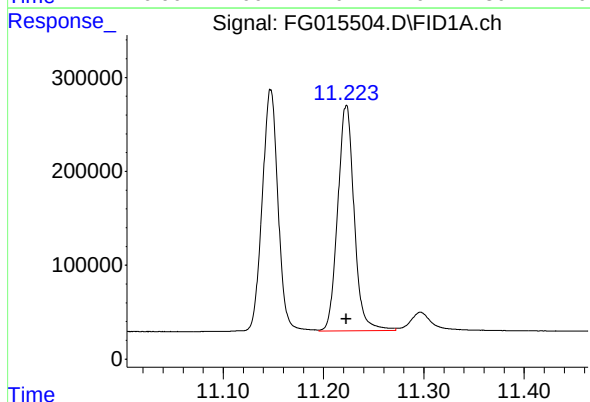
R.T.: 9.736 min
Delta R.T.: 0.000 min
Response: 2814760
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

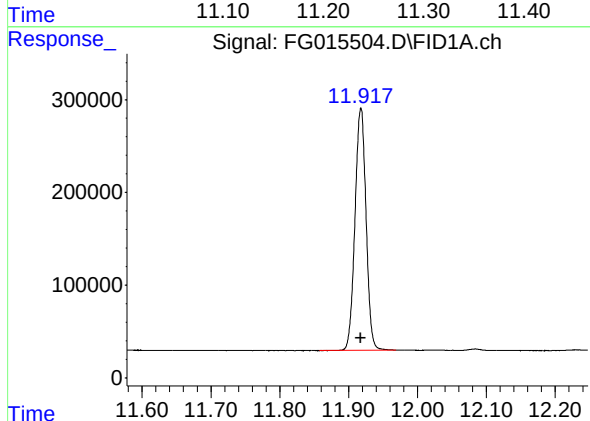
R.T.: 11.147 min
Delta R.T.: 0.000 min
Response: 2820694
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



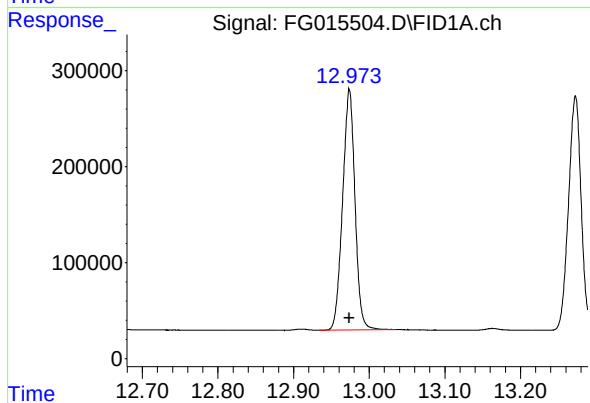
#10 Anthracene (C19.43)

R.T.: 11.223 min
Delta R.T.: 0.000 min
Response: 2743461
Conc: 20.00 ug/ml



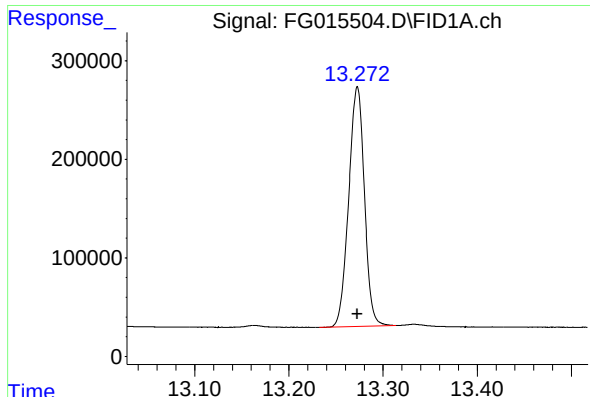
#11 ortho-Terphenyl (SURRE)

R.T.: 11.918 min
Delta R.T.: 0.000 min
Response: 2914634
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

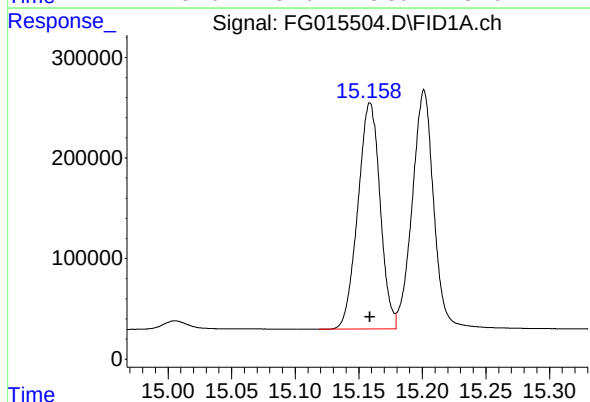
R.T.: 12.974 min
Delta R.T.: 0.000 min
Response: 2853693
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

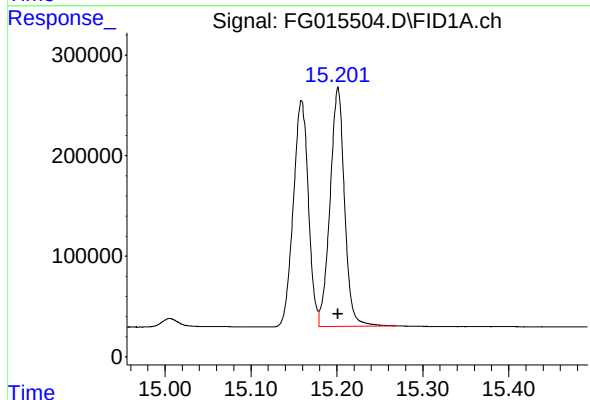
R.T.: 13.273 min
Delta R.T.: 0.000 min
Response: 2811288
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



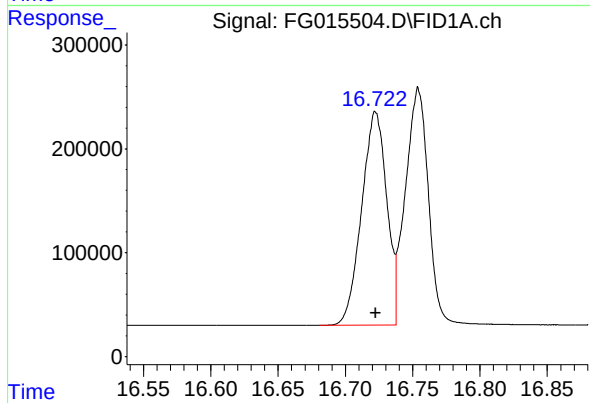
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.159 min
Delta R.T.: 0.000 min
Response: 2736578
Conc: 20.00 ug/ml



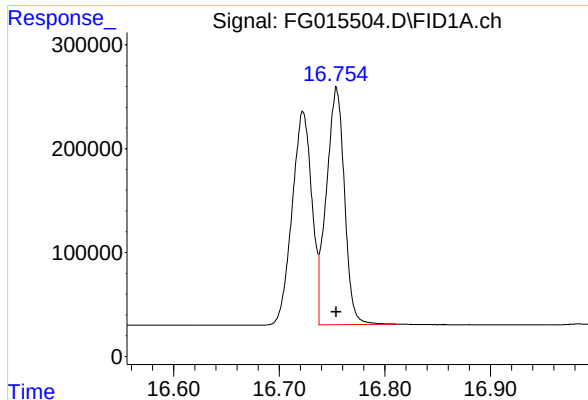
#15 Chrysene (C27.41)

R.T.: 15.201 min
Delta R.T.: 0.000 min
Response: 2784558
Conc: 20.00 ug/ml



#16 benzo[b]fluoranthene (C30.41)

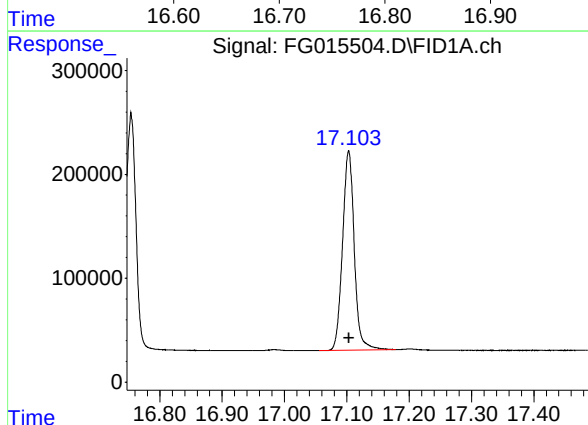
R.T.: 16.723 min
Delta R.T.: 0.000 min
Response: 2665661
Conc: 20.00 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

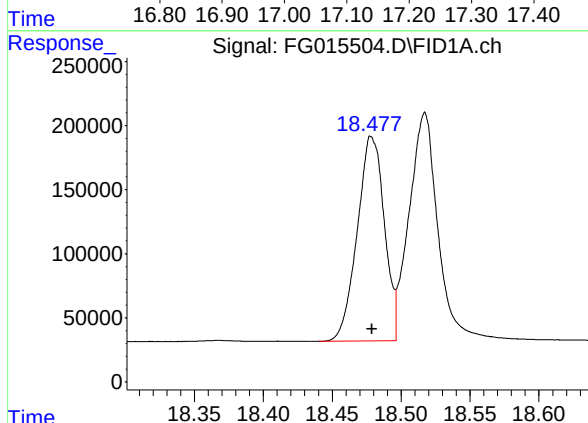
R.T.: 16.754 min
Delta R.T.: 0.000 min
Response: 2707094
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3



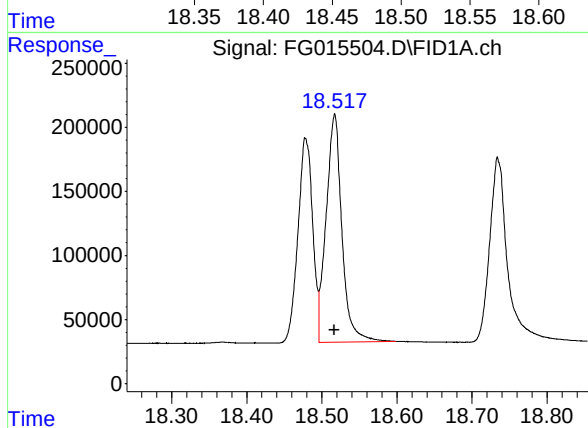
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.103 min
Delta R.T.: 0.000 min
Response: 2510749
Conc: 20.00 ug/ml



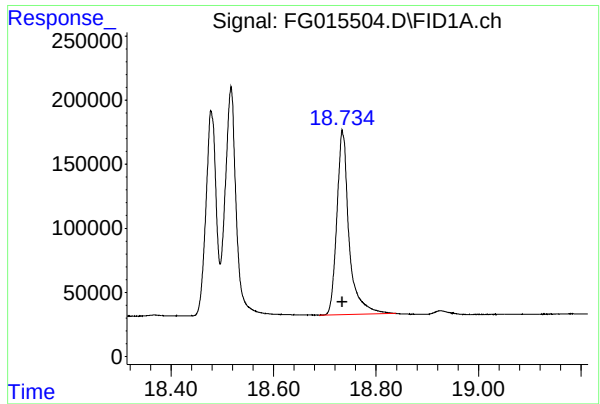
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.479 min
Delta R.T.: 0.000 min
Response: 2184625
Conc: 20.00 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.517 min
Delta R.T.: 0.000 min
Response: 2602093
Conc: 20.00 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.735 min
Delta R.T.: 0.000 min
Response: 2375286
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
 Data File : FG015504.D
 Signal(s) : FID1A.ch
 Acq On : 17 Mar 2025 18:31
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.558	4.527	4.615	BB	270795	2649640	90.91%	4.791%
2	6.237	6.202	6.304	BB	273431	2706624	92.86%	4.894%
3	7.338	7.294	7.415	BB	257073	2690250	92.30%	4.864%
4	7.968	7.914	8.039	BB	236187	2455614	84.25%	4.440%
5	8.644	8.604	8.717	BB	281948	2848336	97.73%	5.150%
6	8.845	8.810	8.910	BB	159077	1682913	57.74%	3.043%
7	8.944	8.914	9.000	BB	263930	2747758	94.27%	4.968%
8	9.736	9.692	9.807	BB	262549	2814760	96.57%	5.089%
9	11.147	11.100	11.195	BV	258221	2820694	96.78%	5.100%
10	11.223	11.195	11.272	VV	239218	2743461	94.13%	4.960%
11	11.918	11.857	11.969	BB	260724	2914634	100.00%	5.270%
12	12.974	12.934	13.035	BB	251279	2853693	97.91%	5.160%
13	13.273	13.232	13.314	BV	243197	2811288	96.45%	5.083%
14	15.159	15.119	15.179	BV	224920	2736578	93.89%	4.948%
15	15.201	15.179	15.269	VB	236965	2784558	95.54%	5.035%
16	16.723	16.680	16.738	BV	205704	2665661	91.46%	4.820%
17	16.754	16.738	16.810	VB	228323	2707094	92.88%	4.895%
18	17.103	17.055	17.179	BB	192017	2510749	86.14%	4.540%
19	18.479	18.440	18.496	BV	158722	2184625	74.95%	3.950%
20	18.517	18.496	18.599	VB	178251	2602093	89.28%	4.705%
21	18.735	18.689	18.839	BB	141162	2375286	81.50%	4.295%
Sum of corrected areas:							55306307	

Aromatic EPH 031725.M Tue Mar 18 05:31:03 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
 Data File : FG015505.D
 Signal(s) : FID1A.ch
 Acq On : 17 Mar 2025 19:00
 Operator : YP\AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Integration File: autoint1.e
 Quant Time: Mar 18 05:05:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:03:12 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...	7.968	1213703	9.885 ug/ml
Spiked Amount 50.000		Recovery =	19.77%
6) S 2-Fluorobiphenyl (SURR)	8.846	814531	9.680 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	19.36%
11) S ortho-Terphenyl (SURR)	11.918	1473663	10.112 ug/ml
Spiked Amount 50.000		Recovery =	20.22%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.559	1335509	10.081 ug/ml
2) T Naphthalene (C11.7)	6.237	1337169	9.881 ug/ml
3) T 2-Methylnaphthalene (...)	7.338	1317757	9.797 ug/ml
5) T Acenaphthylene (C15.06)	8.643	1411336	9.910 ug/ml
7) T Acenaphthene (C15.5)	8.943	1367689	9.955 ug/ml
8) T Flouorene (C16.55)	9.736	1396110	9.920 ug/ml
9) T Phenanthrene (C19.36)	11.146	1410660	10.002 ug/ml
10) T Anthracene (C19.43)	11.222	1372213	10.004 ug/ml
12) T Fluoranthene (C21.85)	12.973	1437068	10.072 ug/ml
13) T Pyrene (C20.8)	13.271	1409735	10.029 ug/ml
14) T Benzo[a]anthracene (C...	15.156	1355370	9.906 ug/ml
15) T Chrysene (C27.41)	15.198	1434548	10.304 ug/ml
16) T benzo[b]fluoranthene ...	16.718	1325261	9.943 ug/ml
17) T Bnezo[k]fluoranthene ...	16.749	1394802	10.305 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.102	1260891	10.044 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.476	1079071	9.879 ug/ml
20) T Dibenz[a,h]anthracene...	18.515	1343184	10.324 ug/ml
21) T Benzo[g,h,i]perylene ...	18.731	1202673	10.127 ug/ml

(f)=RT Delta > 1/2 Window

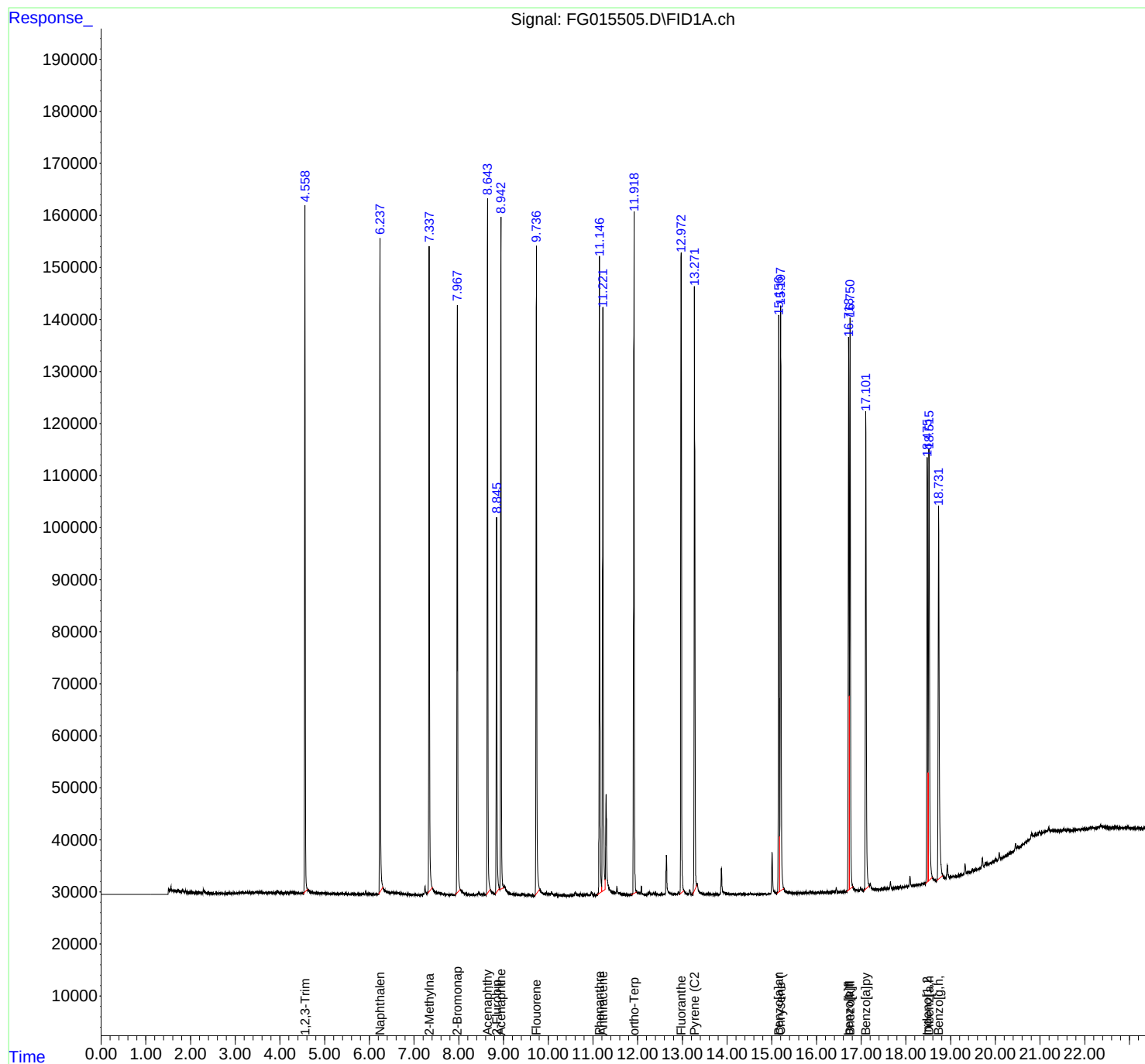
(m)=manual int.

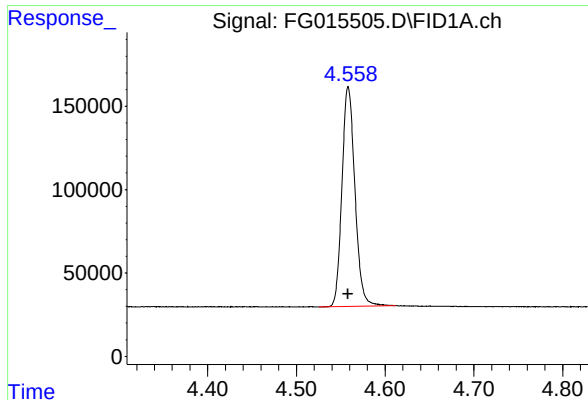
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015505.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 19:00
Operator : YP\AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Mar 18 05:05:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:03:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

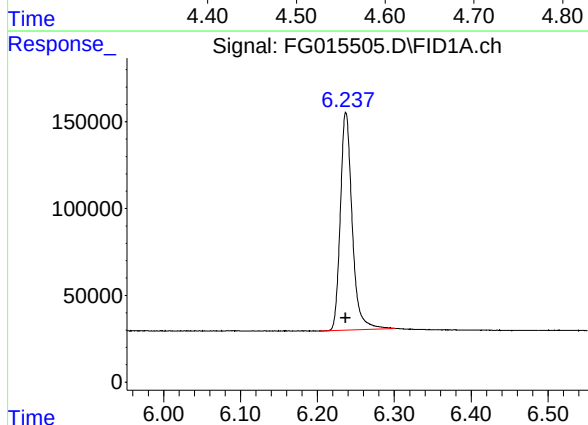




#1 1,2,3-Trimethylbenzene (C10.1)

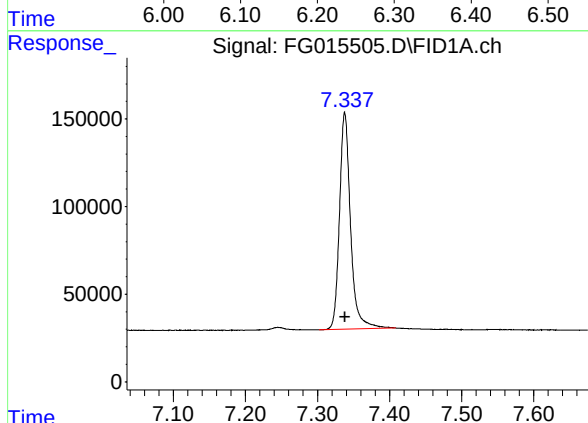
R.T.: 4.559 min
Delta R.T.: 0.000 min
Response: 1335509
Conc: 10.08 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



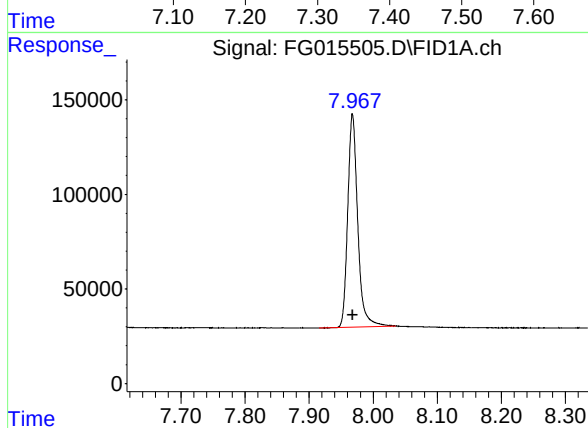
#2 Naphthalene (C11.7)

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 1337169
Conc: 9.88 ug/ml



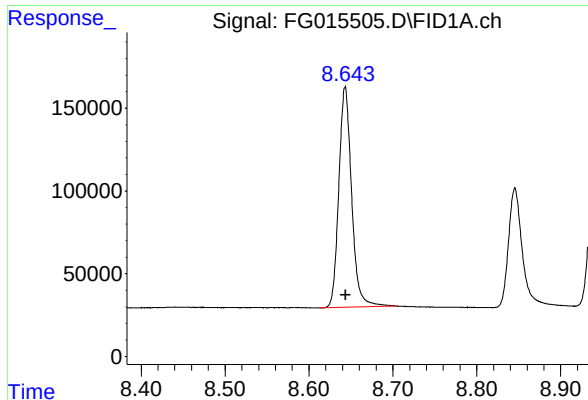
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.338 min
Delta R.T.: 0.000 min
Response: 1317757
Conc: 9.80 ug/ml



#4 2-Bromonaphthalene (SURR)

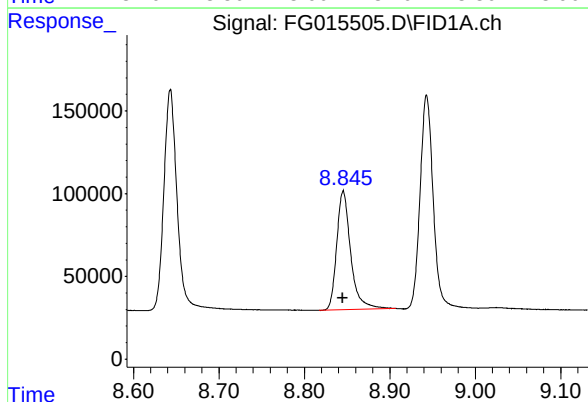
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 1213703
Conc: 9.89 ug/ml



#5 Acenaphthylene (C15.06)

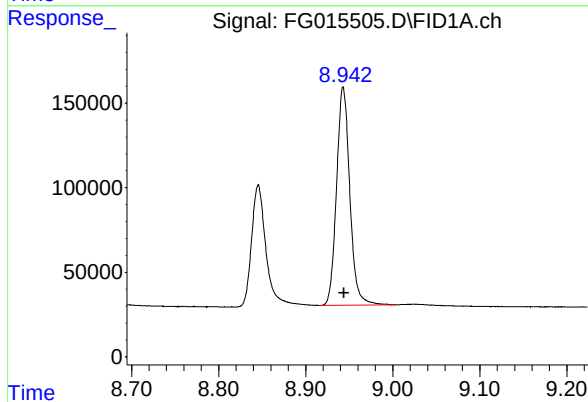
R.T.: 8.643 min
Delta R.T.: 0.000 min
Response: 1411336
Conc: 9.91 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



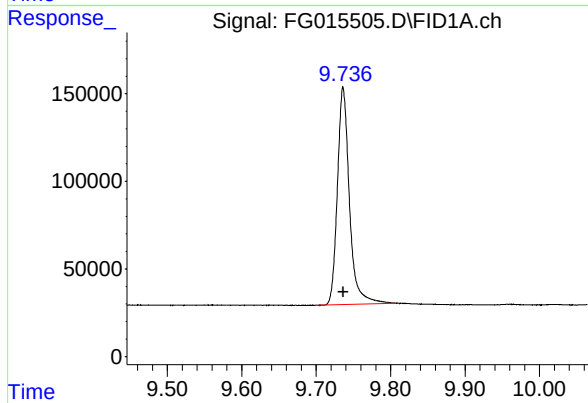
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.846 min
Delta R.T.: 0.000 min
Response: 814531
Conc: 9.68 ug/ml



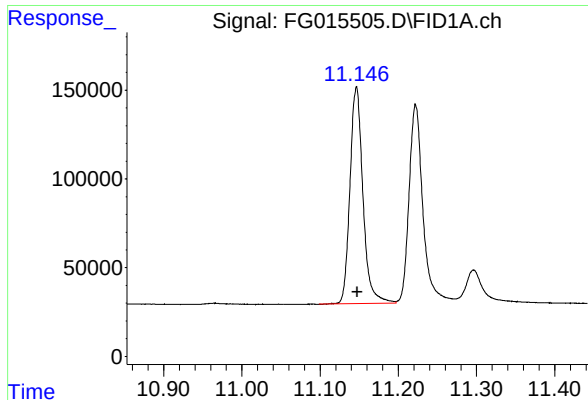
#7 Acenaphthene (C15.5)

R.T.: 8.943 min
Delta R.T.: 0.000 min
Response: 1367689
Conc: 9.95 ug/ml



#8 Flouorene (C16.55)

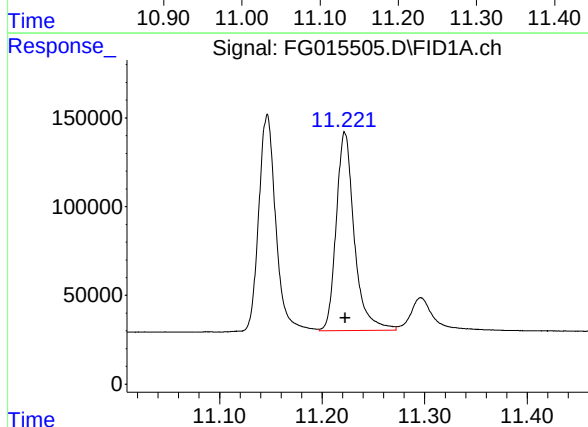
R.T.: 9.736 min
Delta R.T.: 0.000 min
Response: 1396110
Conc: 9.92 ug/ml



#9 Phenanthrene (C19.36)

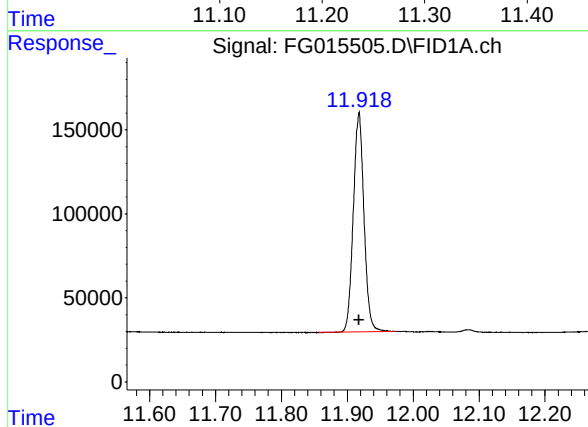
R.T.: 11.146 min
Delta R.T.: 0.000 min
Response: 1410660
Conc: 10.00 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



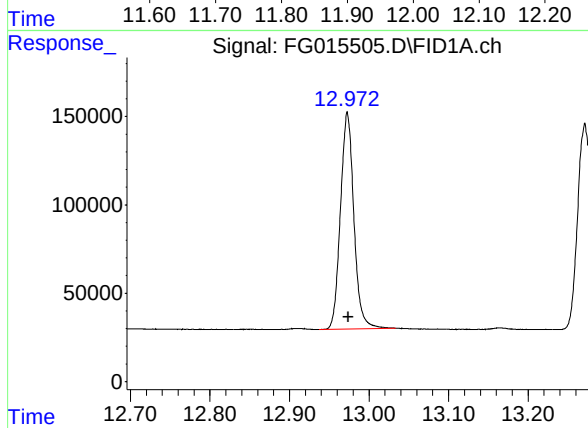
#10 Anthracene (C19.43)

R.T.: 11.222 min
Delta R.T.: 0.000 min
Response: 1372213
Conc: 10.00 ug/ml



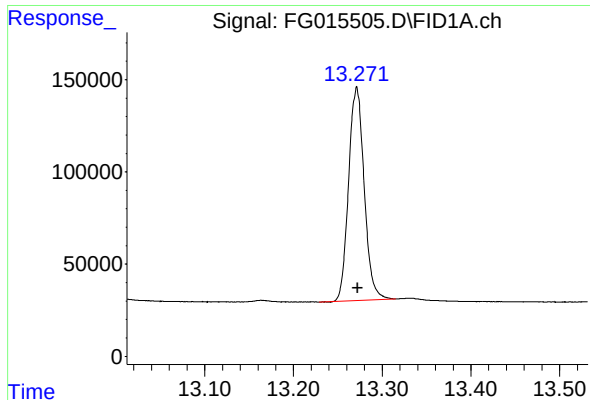
#11 ortho-Terphenyl (SURRE)

R.T.: 11.918 min
Delta R.T.: 0.000 min
Response: 1473663
Conc: 10.11 ug/ml



#12 Fluoranthene (C21.85)

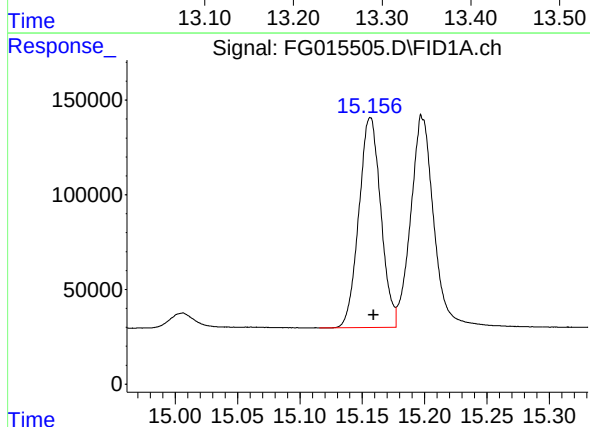
R.T.: 12.973 min
Delta R.T.: 0.000 min
Response: 1437068
Conc: 10.07 ug/ml



#13 Pyrene (C20.8)

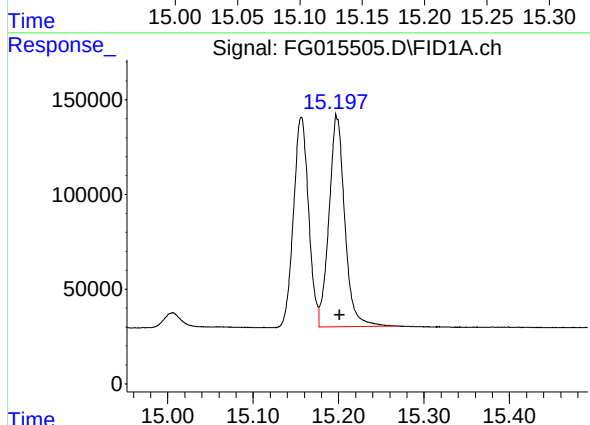
R.T.: 13.271 min
Delta R.T.: -0.002 min
Response: 1409735
Conc: 10.03 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



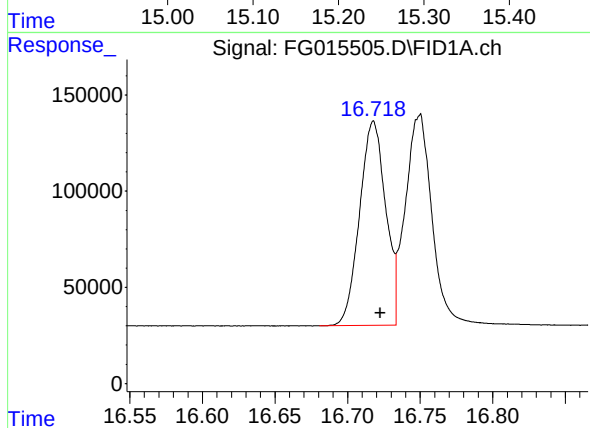
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.156 min
Delta R.T.: -0.002 min
Response: 1355370
Conc: 9.91 ug/ml



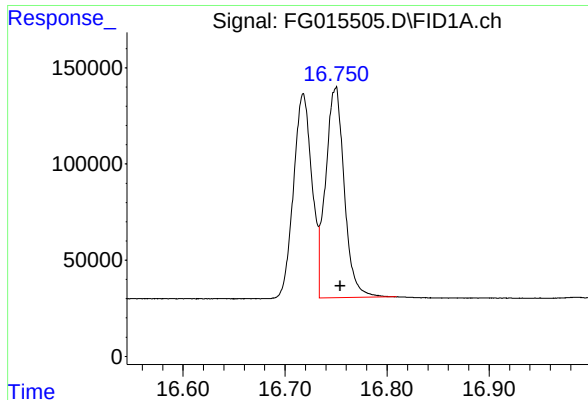
#15 Chrysene (C27.41)

R.T.: 15.198 min
Delta R.T.: -0.003 min
Response: 1434548
Conc: 10.30 ug/ml



#16 benzo[b]fluoranthene (C30.41)

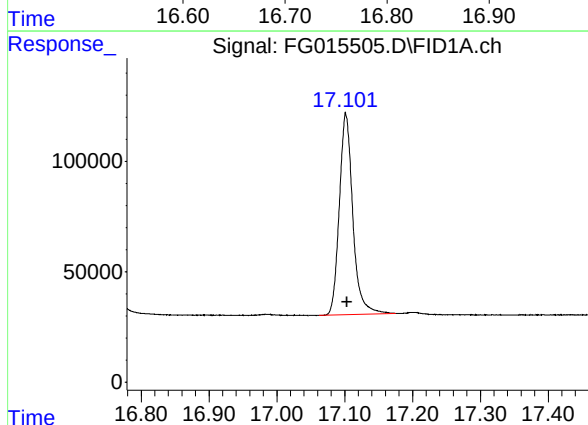
R.T.: 16.718 min
Delta R.T.: -0.005 min
Response: 1325261
Conc: 9.94 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

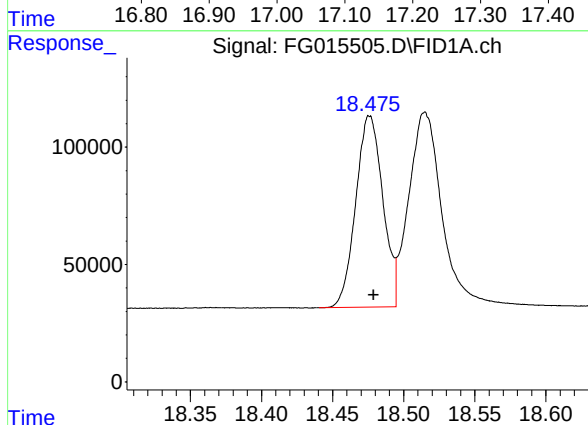
R.T.: 16.749 min
Delta R.T.: -0.005 min
Response: 1394802
Conc: 10.30 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4



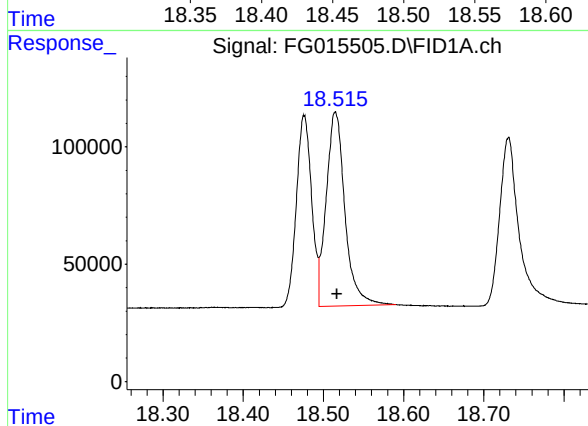
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.102 min
Delta R.T.: -0.001 min
Response: 1260891
Conc: 10.04 ug/ml



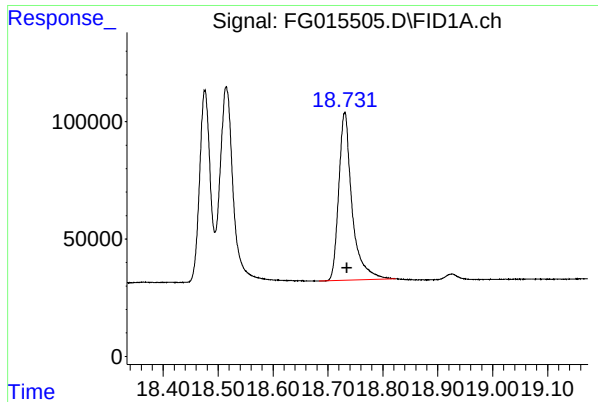
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.476 min
Delta R.T.: -0.003 min
Response: 1079071
Conc: 9.88 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.515 min
Delta R.T.: -0.002 min
Response: 1343184
Conc: 10.32 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.731 min
Delta R.T.: -0.004 min
Response: 1202673
Conc: 10.13 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015505.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 19:00
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 74 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.559	4.525	4.612	BB	131464	1335509	90.63%	4.823%
2	6.237	6.202	6.302	BB	125424	1337169	90.74%	4.829%
3	7.338	7.302	7.409	BB	123040	1317757	89.42%	4.758%
4	7.968	7.915	8.035	BB	112918	1213703	82.36%	4.383%
5	8.643	8.612	8.704	BB	133746	1411336	95.77%	5.096%
6	8.846	8.817	8.907	BB	71673	814531	55.27%	2.941%
7	8.943	8.915	9.004	BB	128739	1367689	92.81%	4.939%
8	9.736	9.704	9.807	BB	122724	1396110	94.74%	5.041%
9	11.146	11.099	11.197	BV	122957	1410660	95.72%	5.094%
10	11.222	11.197	11.272	VV	111852	1372213	93.12%	4.955%
11	11.918	11.857	11.974	BB	129511	1473663	100.00%	5.321%
12	12.973	12.937	13.034	BB	122679	1437068	97.52%	5.189%
13	13.271	13.229	13.315	BB	115001	1409735	95.66%	5.091%
14	15.156	15.115	15.177	BV	111197	1355370	91.97%	4.894%
15	15.198	15.177	15.267	VB	109553	1434548	97.35%	5.180%
16	16.718	16.680	16.733	BV	105892	1325261	89.93%	4.786%
17	16.749	16.733	16.809	VB	108345	1394802	94.65%	5.037%
18	17.102	17.062	17.175	BB	90569	1260891	85.56%	4.553%
19	18.476	18.440	18.495	BV	81657	1079071	73.22%	3.897%
20	18.515	18.495	18.590	VB	82738	1343184	91.15%	4.850%
21	18.731	18.684	18.824	BB	71398	1202673	81.61%	4.343%
Sum of corrected areas:						27692943		

Aromatic EPH 031725.M Tue Mar 18 05:31:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
 Data File : FG015506.D
 Signal(s) : FID1A.ch
 Acq On : 17 Mar 2025 19:29
 Operator : YP\AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Integration File: autoint1.e
 Quant Time: Mar 18 05:06:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:03:12 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...	7.969	602634	4.908 ug/ml
Spiked Amount 50.000		Recovery =	9.82%
6) S 2-Fluorobiphenyl (SURR)	8.848	388125	4.613 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	9.23%
11) S ortho-Terphenyl (SURR)	11.917	752937	5.167 ug/ml
Spiked Amount 50.000		Recovery =	10.33%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.559	681641	5.145 ug/ml
2) T Naphthalene (C11.7)	6.238	662743	4.897 ug/ml
3) T 2-Methylnaphthalene (...)	7.339	651323	4.842 ug/ml
5) T Acenaphthylene (C15.06)	8.644	719825	5.054 ug/ml
7) T Acenaphthene (C15.5)	8.943	676555	4.924 ug/ml
8) T Fluorene (C16.55)	9.737	686185	4.876 ug/ml
9) T Phenanthrene (C19.36)	11.147	715636	5.074 ug/ml
10) T Anthracene (C19.43)	11.224	689297	5.025 ug/ml
12) T Fluoranthene (C21.85)	12.973	729990	5.116 ug/ml
13) T Pyrene (C20.8)	13.271	714259	5.081 ug/ml
14) T Benzo[a]anthracene (C...	15.158	670852	4.903 ug/ml
15) T Chrysene (C27.41)	15.199	736510	5.290 ug/ml
16) T benzo[b]fluoranthene ...	16.720	656395	4.925 ug/ml
17) T Bnezo[k]fluoranthene ...	16.751	726748	5.369 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.104	637092	5.075 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.478	534014	4.889 ug/ml
20) T Dibenz[a,h]anthracene...	18.517	705044	5.419 ug/ml
21) T Benzo[g,h,i]perylene ...	18.733	614526	5.174 ug/ml

(f)=RT Delta > 1/2 Window

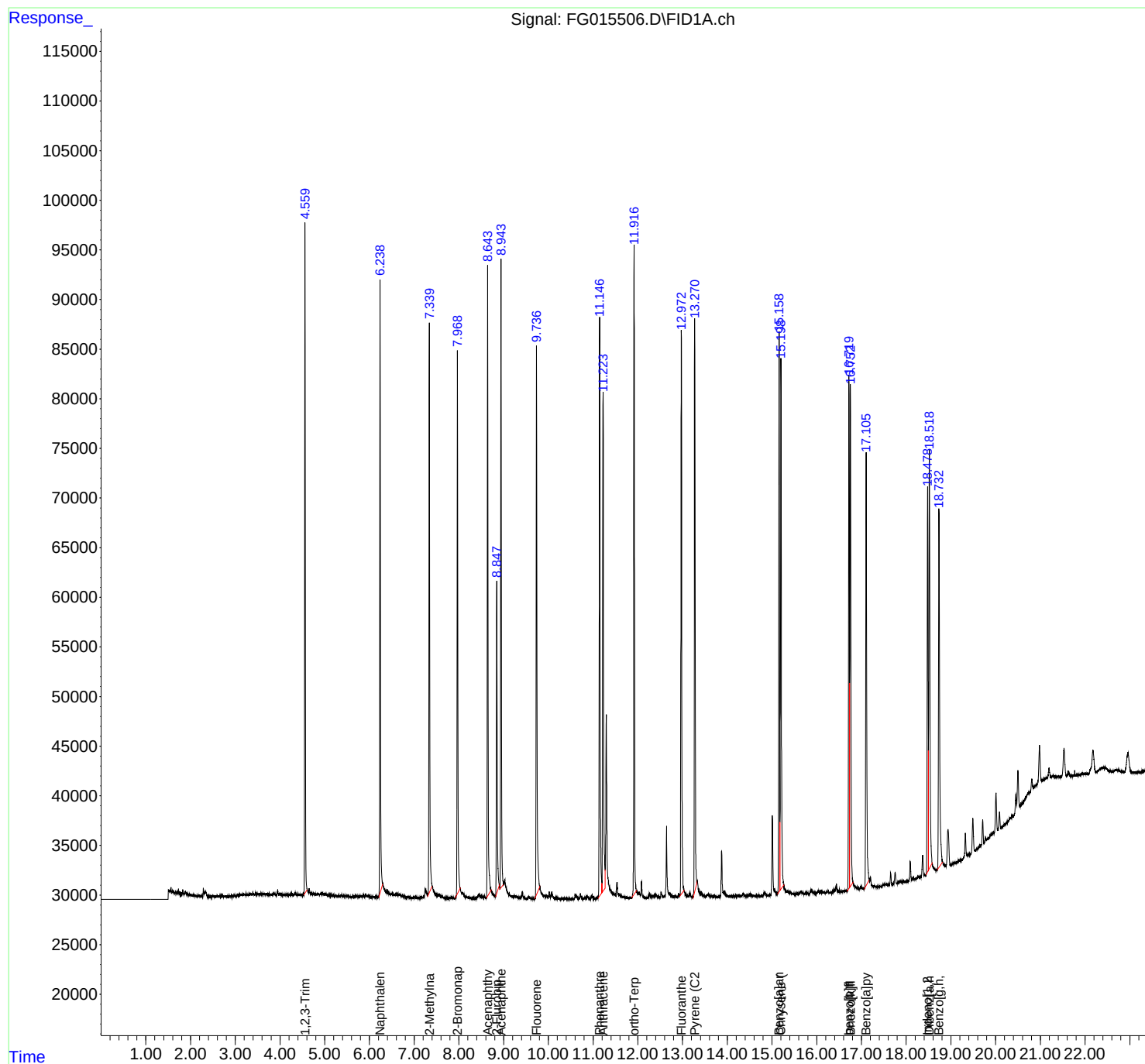
(m)=manual int.

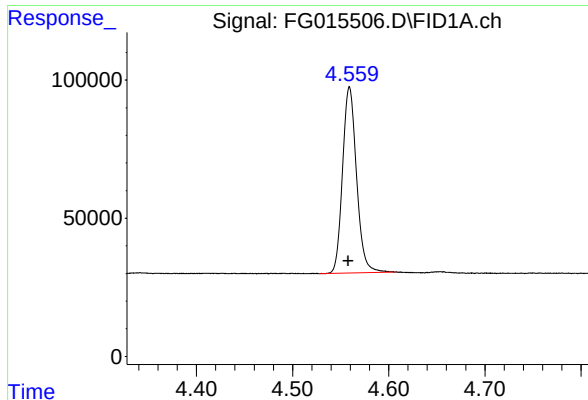
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015506.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 19:29
Operator : YP\AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Mar 18 05:06:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:03:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

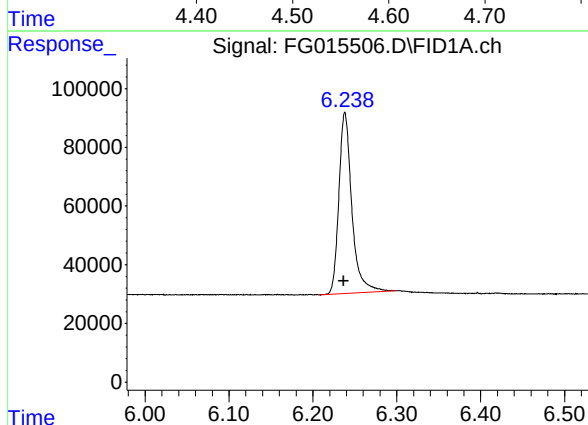




#1 1,2,3-Trimethylbenzene (C10.1)

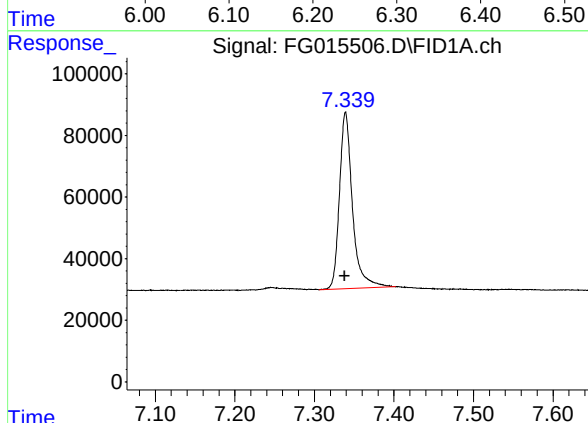
R.T.: 4.559 min
Delta R.T.: 0.001 min
Response: 681641
Conc: 5.15 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



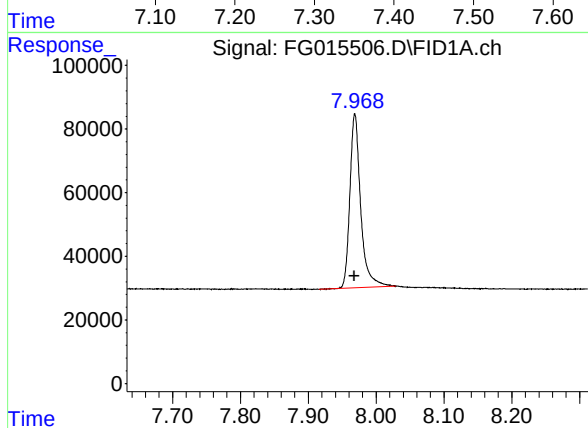
#2 Naphthalene (C11.7)

R.T.: 6.238 min
Delta R.T.: 0.002 min
Response: 662743
Conc: 4.90 ug/ml



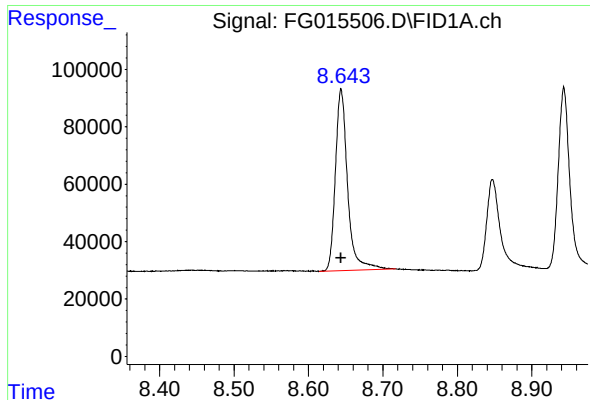
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.339 min
Delta R.T.: 0.001 min
Response: 651323
Conc: 4.84 ug/ml



#4 2-Bromonaphthalene (SURR)

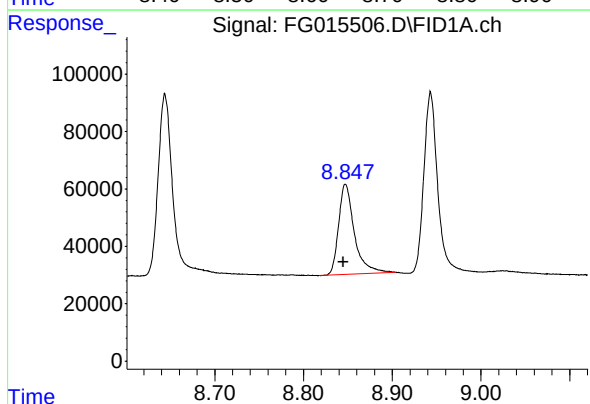
R.T.: 7.969 min
Delta R.T.: 0.000 min
Response: 602634
Conc: 4.91 ug/ml



#5 Acenaphthylene (C15.06)

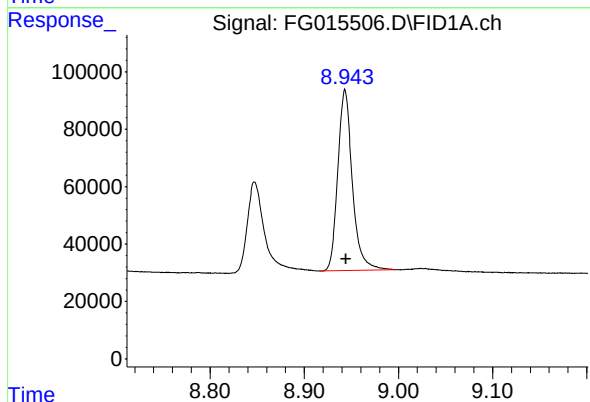
R.T.: 8.644 min
Delta R.T.: 0.000 min
Response: 719825
Conc: 5.05 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



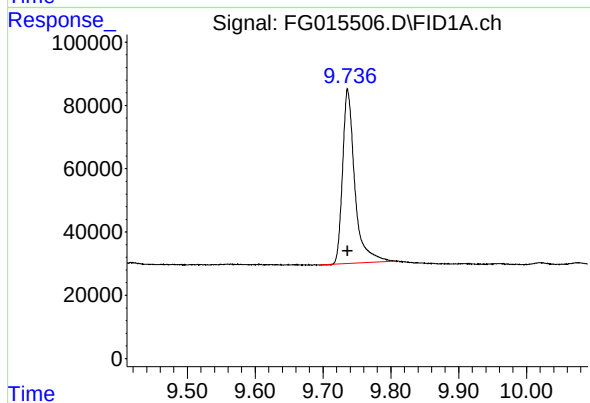
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.848 min
Delta R.T.: 0.003 min
Response: 388125
Conc: 4.61 ug/ml



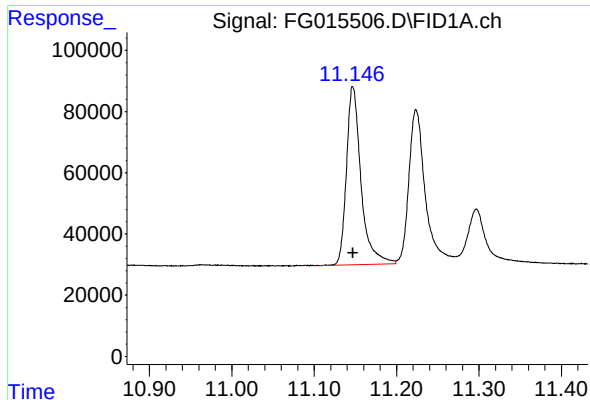
#7 Acenaphthene (C15.5)

R.T.: 8.943 min
Delta R.T.: 0.000 min
Response: 676555
Conc: 4.92 ug/ml



#8 Fluorene (C16.55)

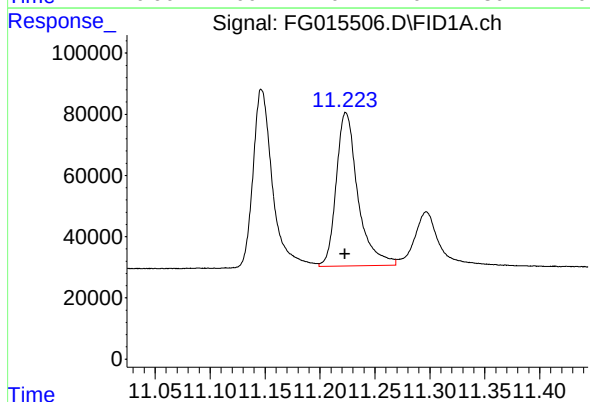
R.T.: 9.737 min
Delta R.T.: 0.000 min
Response: 686185
Conc: 4.88 ug/ml



#9 Phenanthrene (C19.36)

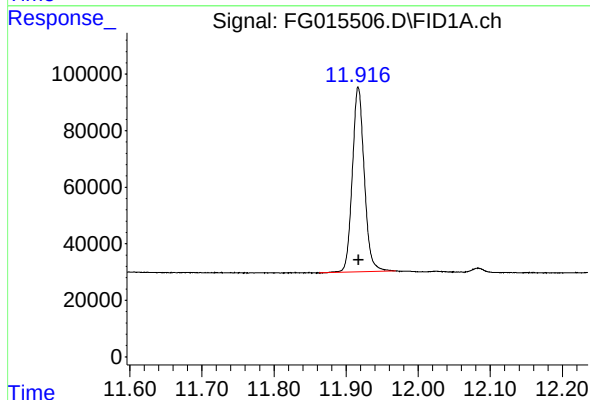
R.T.: 11.147 min
Delta R.T.: 0.000 min
Response: 715636
Conc: 5.07 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



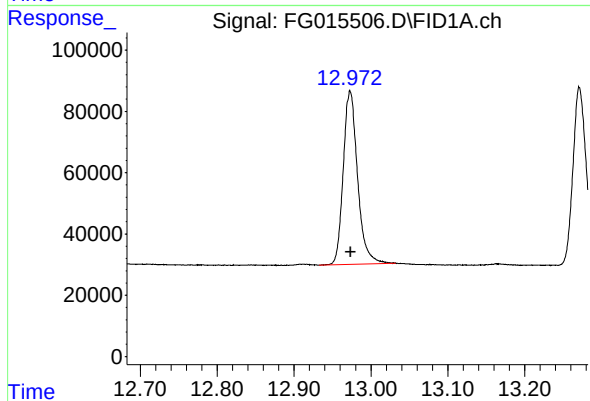
#10 Anthracene (C19.43)

R.T.: 11.224 min
Delta R.T.: 0.001 min
Response: 689297
Conc: 5.03 ug/ml



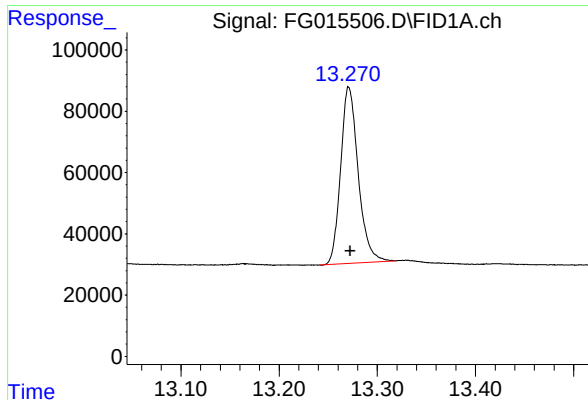
#11 ortho-Terphenyl (SURRE)

R.T.: 11.917 min
Delta R.T.: 0.000 min
Response: 752937
Conc: 5.17 ug/ml



#12 Fluoranthene (C21.85)

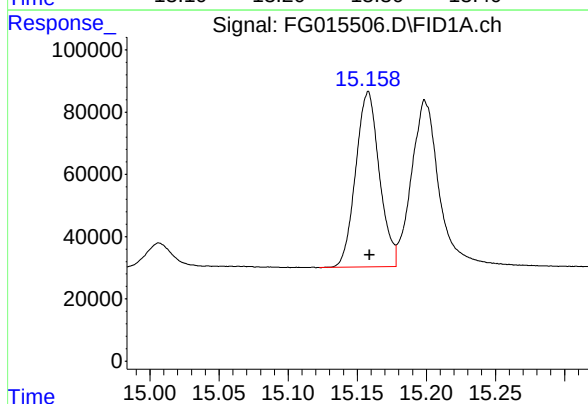
R.T.: 12.973 min
Delta R.T.: 0.000 min
Response: 729990
Conc: 5.12 ug/ml



#13 Pyrene (C20.8)

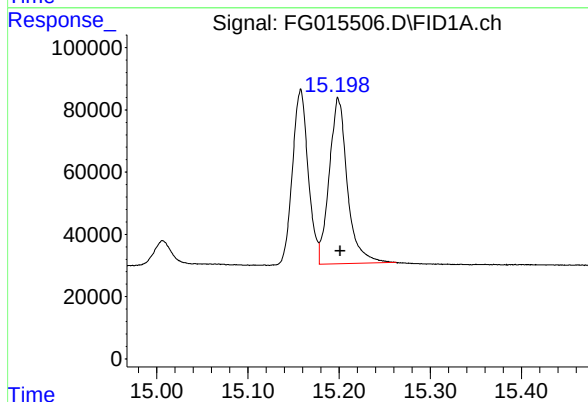
R.T.: 13.271 min
Delta R.T.: -0.001 min
Response: 714259
Conc: 5.08 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



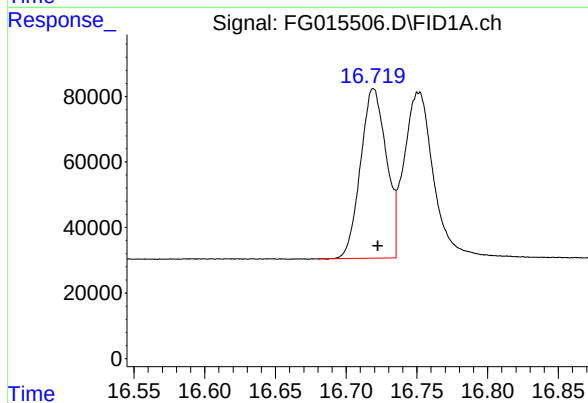
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.158 min
Delta R.T.: -0.001 min
Response: 670852
Conc: 4.90 ug/ml



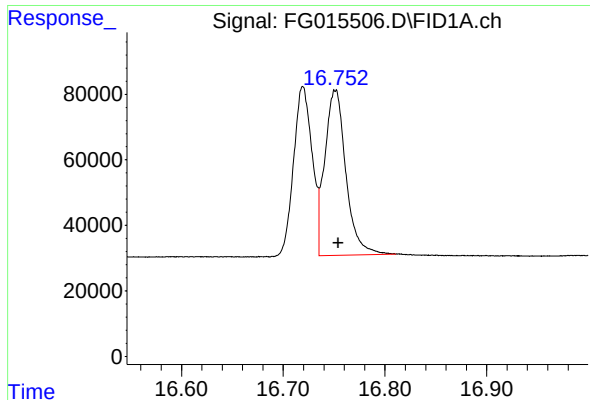
#15 Chrysene (C27.41)

R.T.: 15.199 min
Delta R.T.: -0.002 min
Response: 736510
Conc: 5.29 ug/ml



#16 benzo[b]fluoranthene (C30.41)

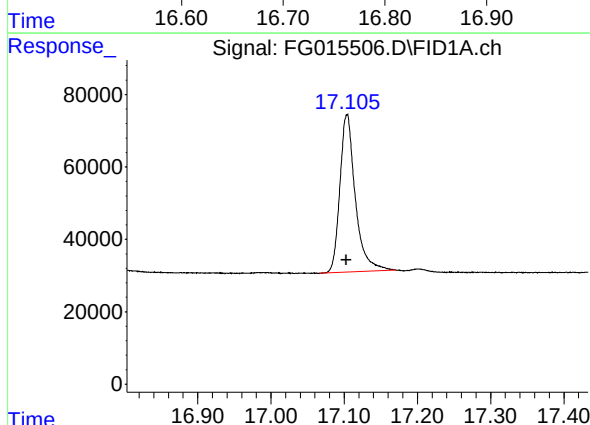
R.T.: 16.720 min
Delta R.T.: -0.003 min
Response: 656395
Conc: 4.92 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

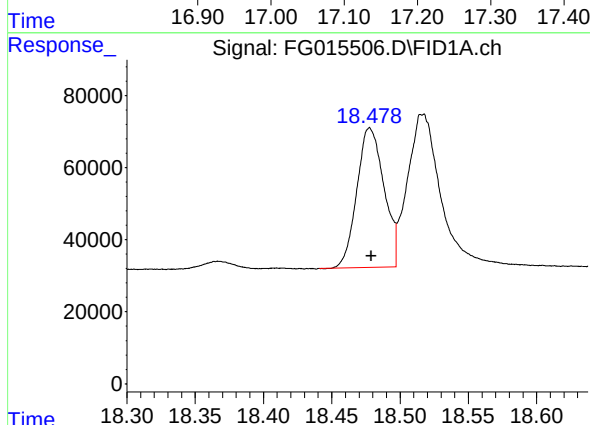
R.T.: 16.751 min
Delta R.T.: -0.003 min
Response: 726748
Conc: 5.37 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM AROMATIC HC STD5



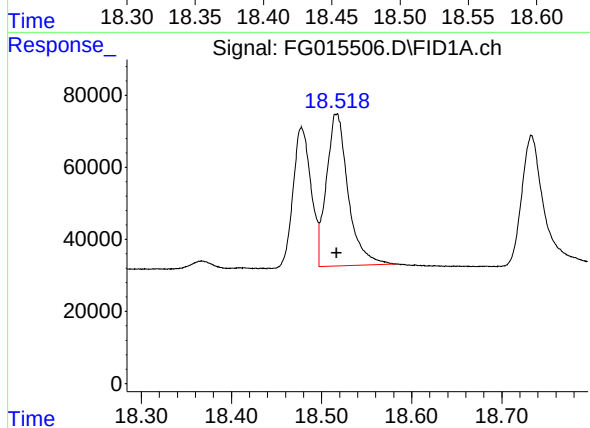
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.104 min
Delta R.T.: 0.000 min
Response: 637092
Conc: 5.07 ug/ml



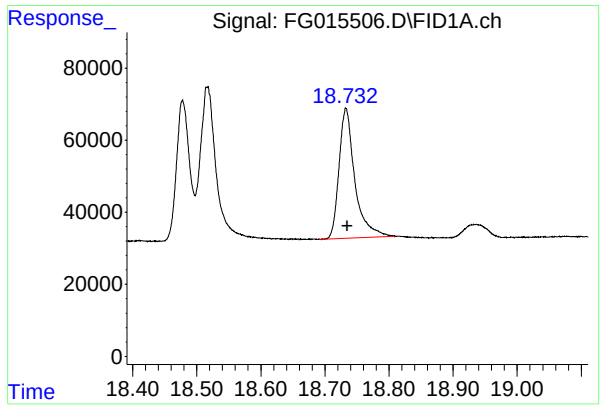
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.478 min
Delta R.T.: 0.000 min
Response: 534014
Conc: 4.89 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.517 min
Delta R.T.: 0.000 min
Response: 705044
Conc: 5.42 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.733 min
Delta R.T.: -0.002 min
Response: 614526
Conc: 5.17 ug/ml

Instrument :

FID_G

ClientSampleId :

5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015506.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 19:29
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 75 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.559	4.527	4.607	BB	67365	681641	90.53%	4.885%
2	6.238	6.207	6.299	BB	61462	662743	88.02%	4.750%
3	7.339	7.306	7.402	BB	57294	651323	86.50%	4.668%
4	7.969	7.916	8.029	BB	54625	602634	80.04%	4.319%
5	8.644	8.614	8.717	BB	63210	719825	95.60%	5.159%
6	8.848	8.817	8.904	BB	31336	388125	51.55%	2.782%
7	8.943	8.916	8.997	BB	62940	676555	89.86%	4.849%
8	9.737	9.694	9.807	BB	54042	686185	91.13%	4.918%
9	11.147	11.106	11.199	BV	57886	715636	95.05%	5.129%
10	11.224	11.199	11.269	VV	50072	689297	91.55%	4.940%
11	11.917	11.862	11.969	BB	65171	752937	100.00%	5.396%
12	12.973	12.932	13.032	BB	56640	729990	96.95%	5.232%
13	13.271	13.241	13.319	BB	57601	714259	94.86%	5.119%
14	15.158	15.122	15.178	BV	56166	670852	89.10%	4.808%
15	15.199	15.178	15.262	VB	53126	736510	97.82%	5.279%
16	16.720	16.681	16.735	BV	51745	656395	87.18%	4.705%
17	16.751	16.735	16.811	VB	50451	726748	96.52%	5.209%
18	17.104	17.066	17.171	BB	43580	637092	84.61%	4.566%
19	18.478	18.441	18.497	BV	38656	534014	70.92%	3.827%
20	18.517	18.497	18.582	VB	42211	705044	93.64%	5.053%
21	18.733	18.691	18.811	BB	36181	614526	81.62%	4.404%
Sum of corrected areas:							13952331	

Aromatic EPH 031725.M Tue Mar 18 05:31:46 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
 Data File : FG015507.D
 Signal(s) : FID1A.ch
 Acq On : 17 Mar 2025 19:59
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Mar 18 05:14:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:13:04 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...	7.968	2456519	20.110 ug/ml
Spiked Amount 50.000		Recovery =	40.22%
6) S 2-Fluorobiphenyl (SURR)	8.845	1686476	20.403 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.81%
11) S ortho-Terphenyl (SURR)	11.918	2915333	19.991 ug/ml
Spiked Amount 50.000		Recovery =	39.98%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.558	2641903	19.881 ug/ml
2) T Naphthalene (C11.7)	6.237	2701816	19.998 ug/ml
3) T 2-Methylnaphthalene (...)	7.338	2684162	20.122 ug/ml
5) T Acenaphthylene (C15.06)	8.644	2840710	20.057 ug/ml
7) T Acenaphthene (C15.5)	8.944	2750045	20.157 ug/ml
8) T Fluorene (C16.55)	9.736	2813686	20.155 ug/ml
9) T Phenanthrene (C19.36)	11.146	2817182	19.997 ug/ml
10) T Anthracene (C19.43)	11.222	2741355	20.033 ug/ml
12) T Fluoranthene (C21.85)	12.973	2847782	19.970 ug/ml
13) T Pyrene (C20.8)	13.272	2808608	20.017 ug/ml
14) T Benzo[a]anthracene (C...	15.159	2727508	20.110 ug/ml
15) T Chrysene (C27.41)	15.201	2780462	19.862 ug/ml
16) T benzo[b]fluoranthene ...	16.721	2650809	20.061 ug/ml
17) T Bnezo[k]fluoranthene ...	16.752	2709173	19.842 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.103	2512163	20.033 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.478	2191508	19.697 ug/ml
20) T Dibenz[a,h]anthracene...	18.515	2598451	20.193 ug/ml
21) T Benzo[g,h,i]perylene ...	18.733	2381770	19.932 ug/ml

(f)=RT Delta > 1/2 Window

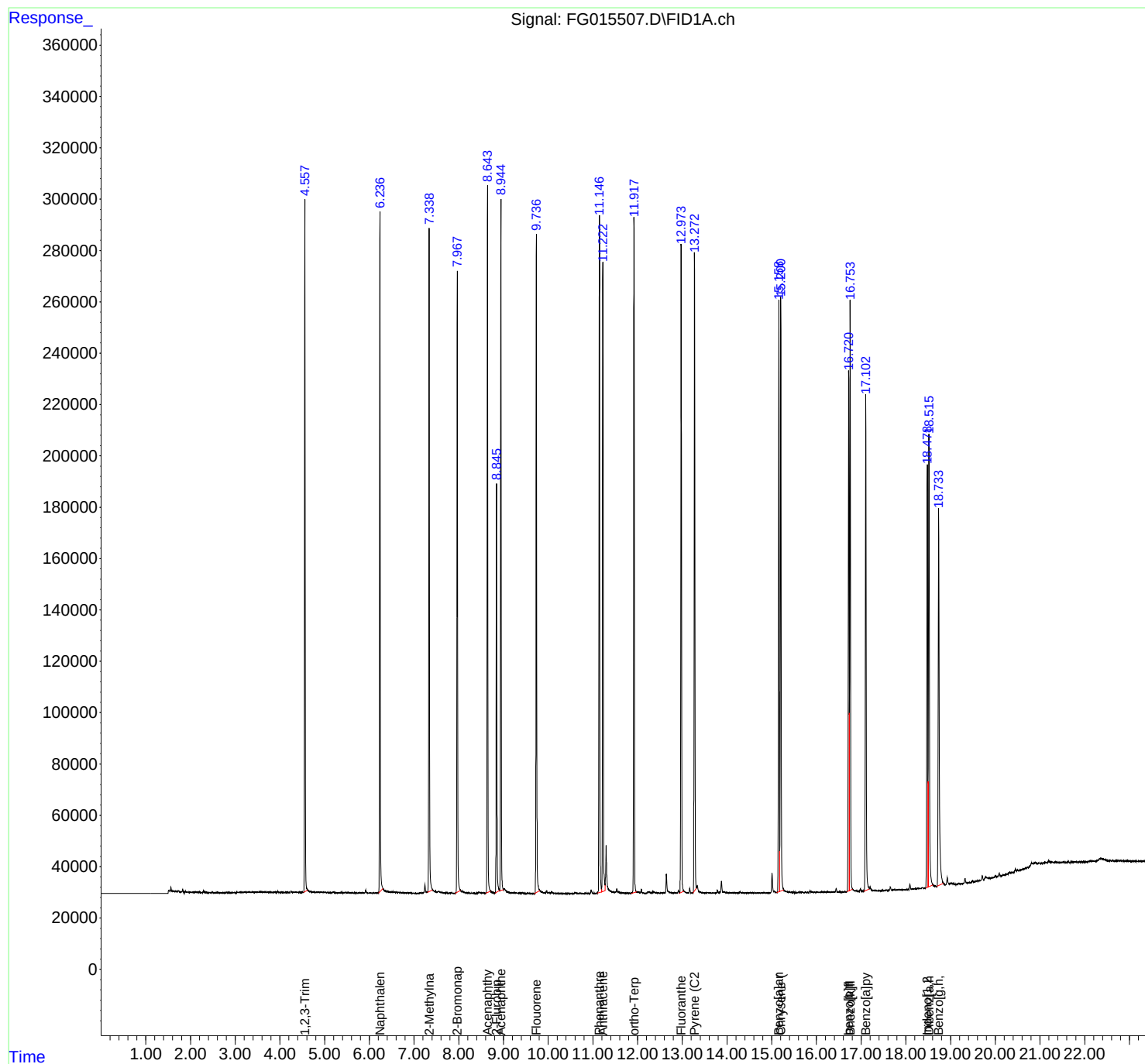
(m)=manual int.

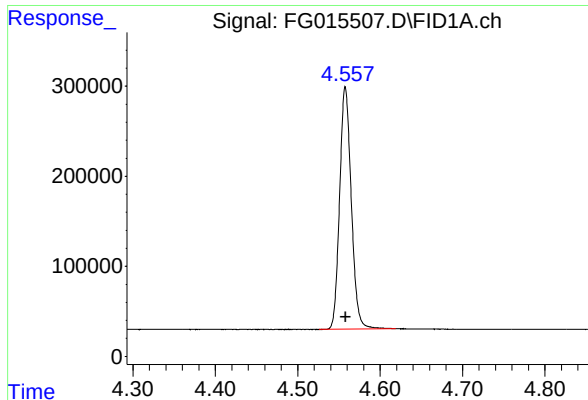
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015507.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 19:59
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Mar 18 05:14:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 1,2,3-Trimethylbenzene (C10.1)

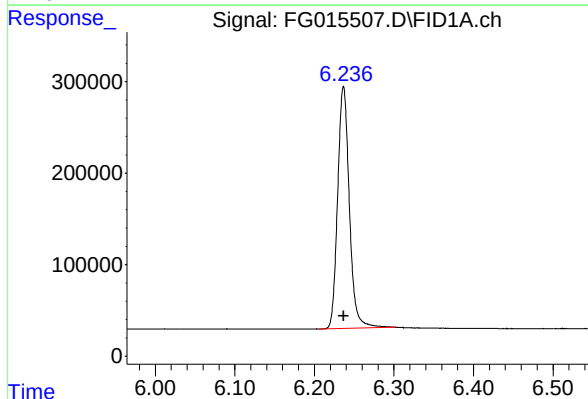
R.T.: 4.558 min
Delta R.T.: 0.000 min
Response: 2641903
Conc: 19.88 ug/ml

Instrument :

FID_G

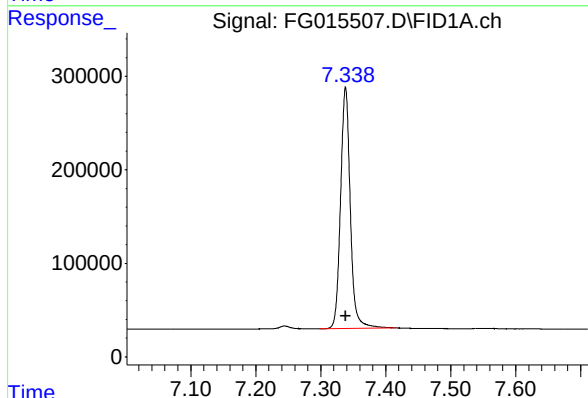
ClientSampleId :

20 PPM AROMATIC HC STD ICV



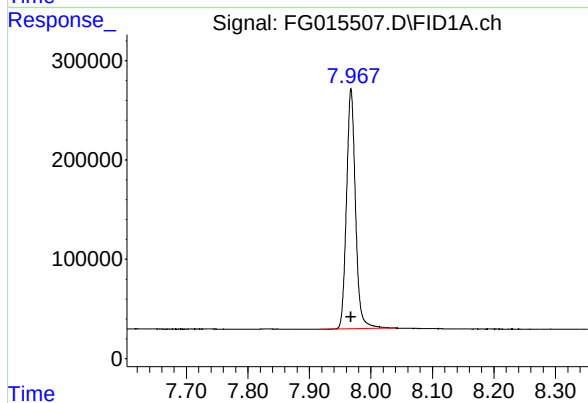
#2 Naphthalene (C11.7)

R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 2701816
Conc: 20.00 ug/ml



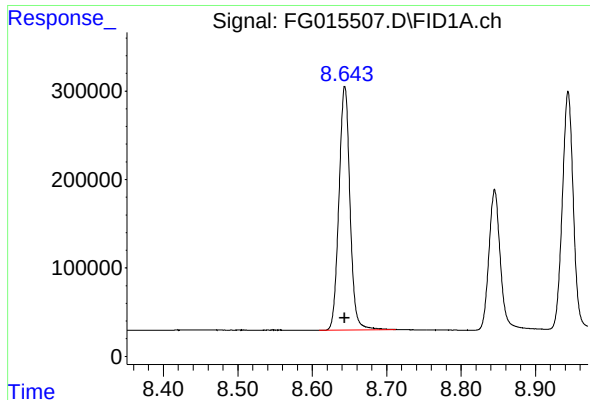
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.338 min
Delta R.T.: 0.000 min
Response: 2684162
Conc: 20.12 ug/ml



#4 2-Bromonaphthalene (SURR)

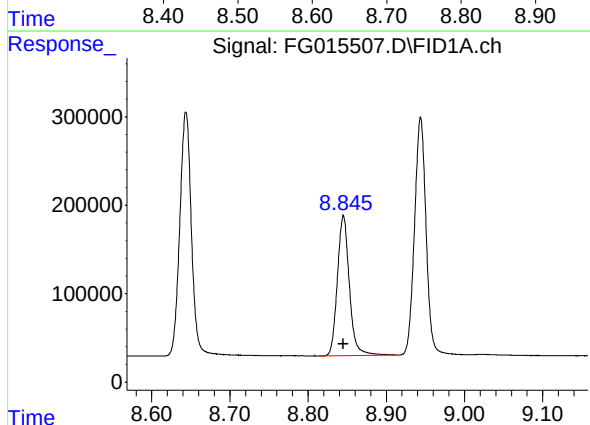
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 2456519
Conc: 20.11 ug/ml



#5 Acenaphthylene (C15.06)

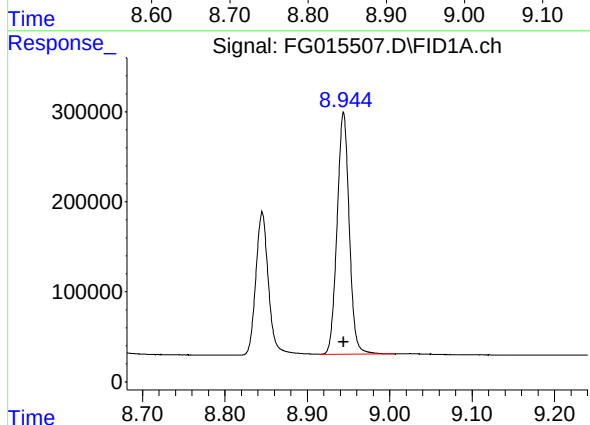
R.T.: 8.644 min
Delta R.T.: 0.000 min
Response: 2840710
Conc: 20.06 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD ICV



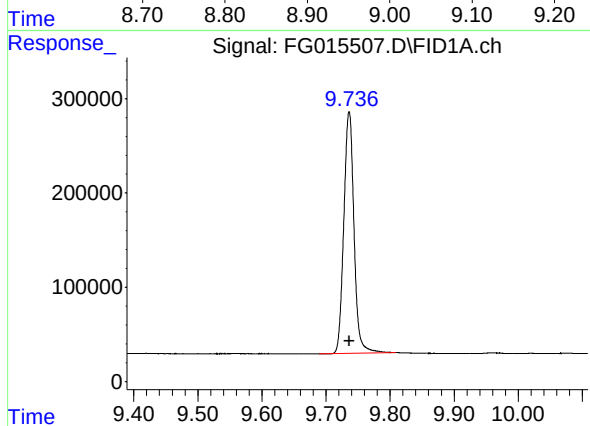
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.845 min
Delta R.T.: 0.000 min
Response: 1686476
Conc: 20.40 ug/ml



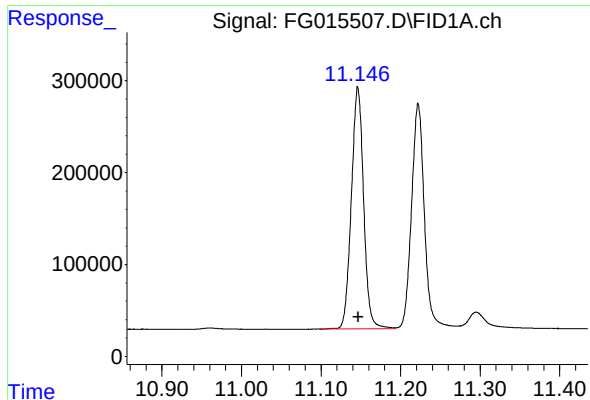
#7 Acenaphthene (C15.5)

R.T.: 8.944 min
Delta R.T.: 0.000 min
Response: 2750045
Conc: 20.16 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.736 min
Delta R.T.: 0.000 min
Response: 2813686
Conc: 20.15 ug/ml



#9 Phenanthrene (C19.36)

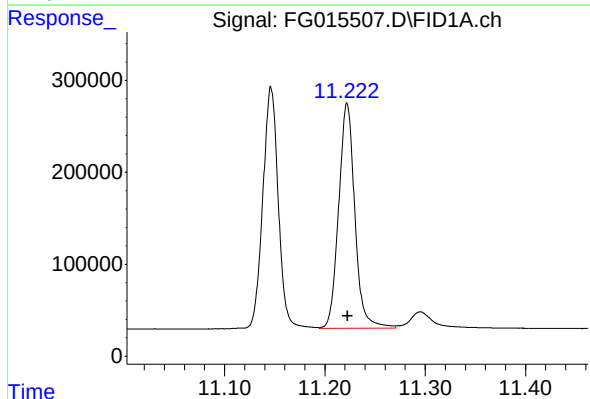
R.T.: 11.146 min
Delta R.T.: 0.000 min
Response: 2817182
Conc: 20.00 ug/ml

Instrument :

FID_G

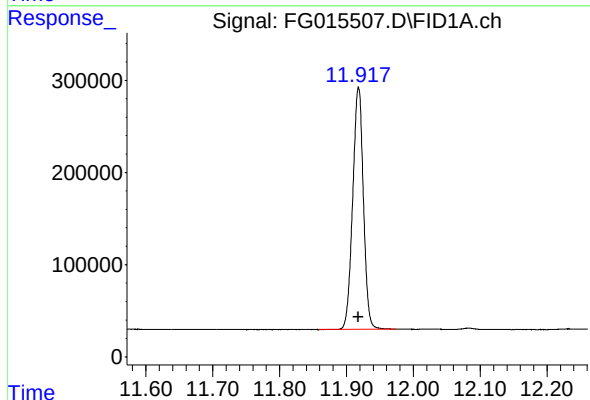
ClientSampleId :

20 PPM AROMATIC HC STD ICV



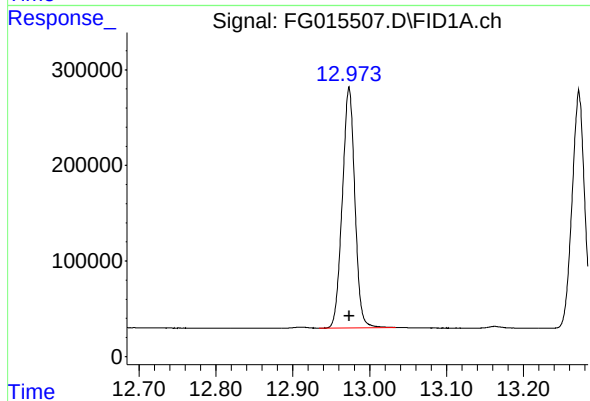
#10 Anthracene (C19.43)

R.T.: 11.222 min
Delta R.T.: 0.000 min
Response: 2741355
Conc: 20.03 ug/ml



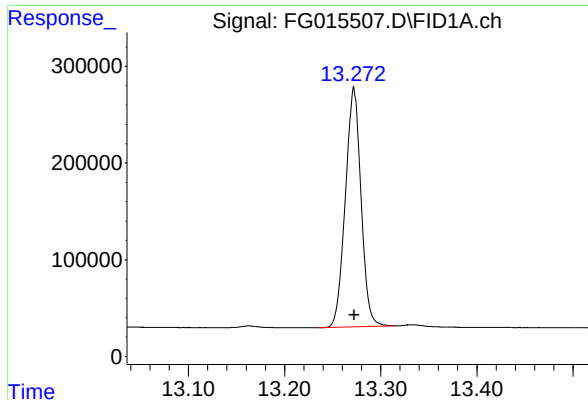
#11 ortho-Terphenyl (SURR)

R.T.: 11.918 min
Delta R.T.: 0.000 min
Response: 2915333
Conc: 19.99 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.973 min
Delta R.T.: 0.000 min
Response: 2847782
Conc: 19.97 ug/ml



#13 Pyrene (C20.8)

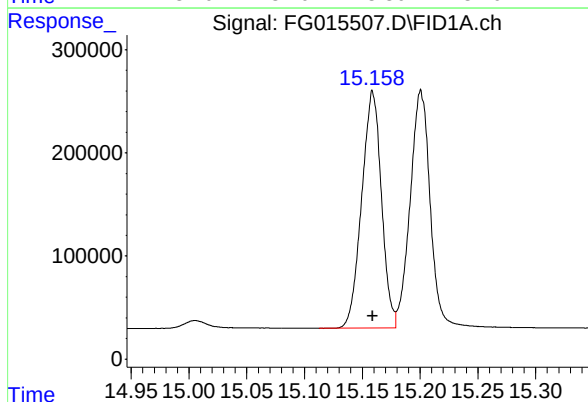
R.T.: 13.272 min
Delta R.T.: 0.000 min
Response: 2808608
Conc: 20.02 ug/ml

Instrument :

FID_G

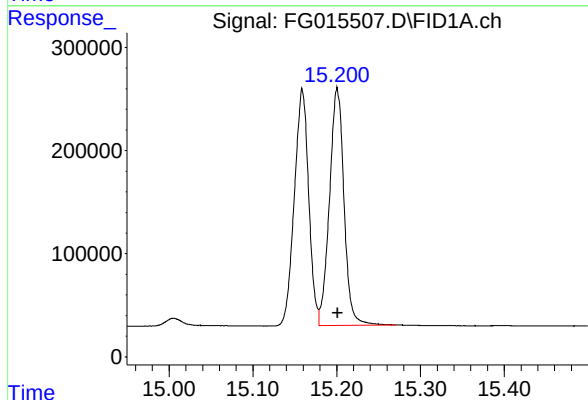
ClientSampleId :

20 PPM AROMATIC HC STD ICV



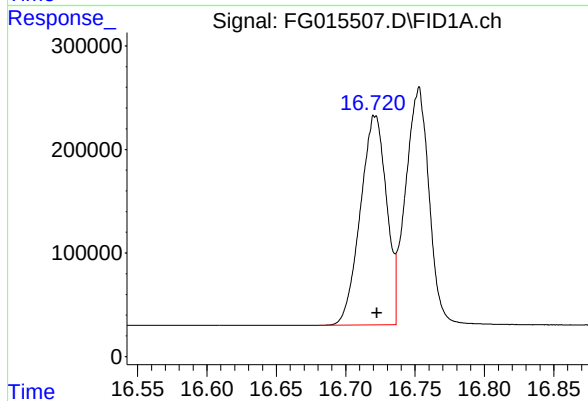
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.159 min
Delta R.T.: 0.000 min
Response: 2727508
Conc: 20.11 ug/ml



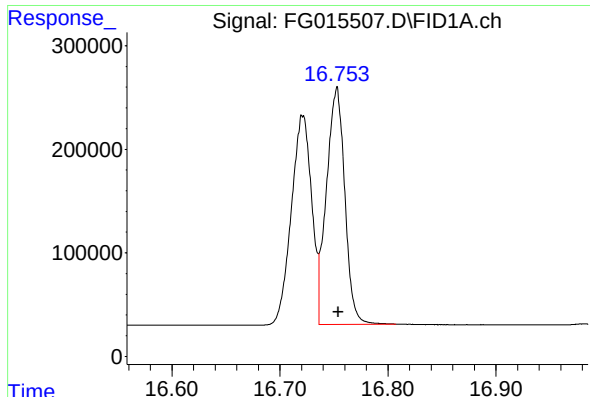
#15 Chrysene (C27.41)

R.T.: 15.201 min
Delta R.T.: 0.000 min
Response: 2780462
Conc: 19.86 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.721 min
Delta R.T.: -0.001 min
Response: 2650809
Conc: 20.06 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

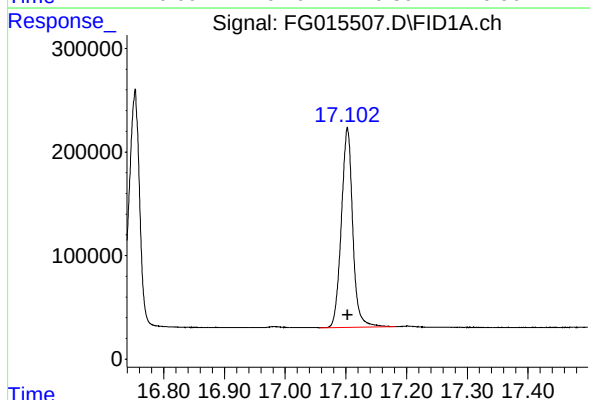
R.T.: 16.752 min
Delta R.T.: -0.002 min
Response: 2709173
Conc: 19.84 ug/ml

Instrument :

FID_G

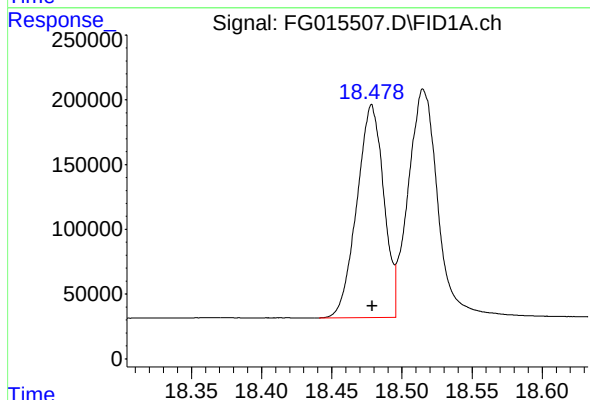
ClientSampleId :

20 PPM AROMATIC HC STD ICV



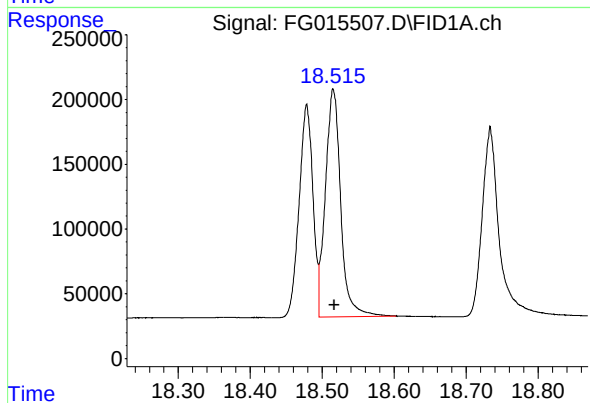
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.103 min
Delta R.T.: 0.000 min
Response: 2512163
Conc: 20.03 ug/ml



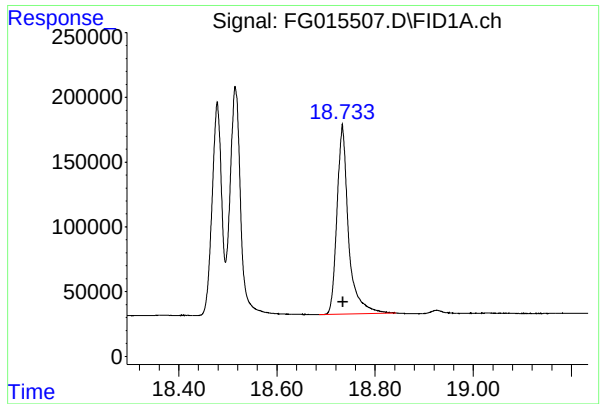
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.478 min
Delta R.T.: 0.000 min
Response: 2191508
Conc: 19.70 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.515 min
Delta R.T.: -0.001 min
Response: 2598451
Conc: 20.19 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.733 min
Delta R.T.: -0.001 min
Response: 2381770
Conc: 19.93 ug/ml

Instrument :

FID_G

ClientSampleId :

20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
Data File : FG015507.D
Signal(s) : FID1A.ch
Acq On : 17 Mar 2025 19:59
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 76 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.558	4.526	4.619	BB	269068	2641903	90.62%	4.781%
2	6.237	6.206	6.302	BB	264619	2701816	92.68%	4.890%
3	7.338	7.297	7.416	BB	258081	2684162	92.07%	4.858%
4	7.968	7.916	8.041	BB	241447	2456519	84.26%	4.446%
5	8.644	8.609	8.712	BB	275828	2840710	97.44%	5.141%
6	8.845	8.814	8.912	BB	158538	1686476	57.85%	3.052%
7	8.944	8.914	9.007	BB	269222	2750045	94.33%	4.977%
8	9.736	9.689	9.809	BB	256603	2813686	96.51%	5.092%
9	11.146	11.097	11.194	BV	263586	2817182	96.63%	5.098%
10	11.222	11.194	11.271	VV	244559	2741355	94.03%	4.961%
11	11.918	11.859	11.974	BB	262789	2915333	100.00%	5.276%
12	12.973	12.934	13.034	BB	250426	2847782	97.68%	5.154%
13	13.272	13.236	13.316	BV	247435	2808608	96.34%	5.083%
14	15.159	15.112	15.179	BV	229610	2727508	93.56%	4.936%
15	15.201	15.179	15.271	VB	229818	2780462	95.37%	5.032%
16	16.721	16.681	16.736	BV	202169	2650809	90.93%	4.797%
17	16.752	16.736	16.807	VB	228028	2709173	92.93%	4.903%
18	17.103	17.056	17.182	BB	192942	2512163	86.17%	4.546%
19	18.478	18.441	18.496	BV	164329	2191508	75.17%	3.966%
20	18.515	18.496	18.602	VB	175375	2598451	89.13%	4.702%
21	18.733	18.686	18.842	BB	145615	2381770	81.70%	4.310%
Sum of corrected areas:							55257421	

Aromatic EPH 031725.M Tue Mar 18 05:32:04 2025

Continuing Calibration Report for SequenceID : FF032025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FF015695.D

Aliphatic C9-C12	8283457.000	60.000	3.210	6.833	138057.617	128465.799	-7.466
Aliphatic C12-C16	5675359.000	40.000	6.834	10.268	141883.975	131614.301	-7.803
Aliphatic C16-C21	8726107.000	60.000	10.269	13.635	145435.117	135374.394	-7.432
Aliphatic C21-C28	10964393.000	80.000	13.636	17.299	137054.913	132278.233	-3.611
Aliphatic C28-C40	12363824.000	120.000	17.300	22.199	103031.867	108147.044	4.730
Aliphatic EPH	46013140.000	360.000	3.210	22.199	127814.278	124041.354	-3.042

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	20 Mar 2025 11:24
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015695.D	Misc:	
Instrument:	FID_F	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.210	6.833	8283457.000	60.000	ug/ml
Aliphatic C12-C16	6.834	10.268	5675359.000	40.000	ug/ml
Aliphatic C16-C21	10.269	13.635	8726107.000	60.000	ug/ml
Aliphatic C21-C28	13.636	17.299	10964393.000	80.000	ug/ml
Aliphatic C28-C40	17.300	22.199	12363824.000	120.000	ug/ml
Aliphatic EPH	3.210	22.199	46013140.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
 Data File : FF015695.D
 Signal(s) : FID2B.ch
 Acq On : 20 Mar 2025 11:24
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Mar 20 14:14:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:31:19 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)	11.935	3200373	21.006 ug/ml
Spiked Amount 50.000		Recovery =	42.01%
12) S 1-chlorooctadecane (S...	13.370	2381043	20.980 ug/ml
Spiked Amount 50.000		Recovery =	41.96%
Target Compounds			
1) T n-Nonane (C9)	3.310	2712254	21.413 ug/ml
2) T n-Decane (C10)	4.566	2762325	21.511 ug/ml
3) T A~Naphthalene (C11.7)	6.278	2816535	21.701 ug/ml
4) T n-Dodecane (C12)	6.733	2808878	21.554 ug/ml
5) T A~2-methylnaphthalene...	7.376	2617622	22.089 ug/ml
6) T n-Tetradecane (C14)	8.561	2787954	21.528 ug/ml
7) T n-Hexadecane (C16)	10.168	2887405	21.592 ug/ml
8) T n-Octadecane (C18)	11.612	2968715	21.559 ug/ml
10) T n-Eicosane (C20)	12.923	2893762	21.471 ug/ml
11) T n-Heneicosane (C21)	13.535	2863630	21.427 ug/ml
13) T n-Docosane (C22)	14.122	2830069	21.149 ug/ml
14) T n-Tetracosane (C24)	15.226	2795888	20.885 ug/ml
15) T n-Hexacosane (C26)	16.249	2710122	20.721 ug/ml
16) T n-Octacosane (C28)	17.199	2628314	20.120 ug/ml
17) T n-Tricontane (C30)	18.088	2610142	19.356 ug/ml
18) T n-Dotriacontane (C32)	18.921	2476120	18.988 ug/ml
19) T n-Tetratriacontane (C34)	19.706	2165124	18.548 ug/ml
20) T n-Hexatriacontane (C36)	20.447	1892968	19.069 ug/ml
21) T n-Octatriacontane (C38)	21.184	1725440	19.748 ug/ml
22) T n-Tetracontane (C40)	22.099	1494030	18.616 ug/ml

(f)=RT Delta > 1/2 Window

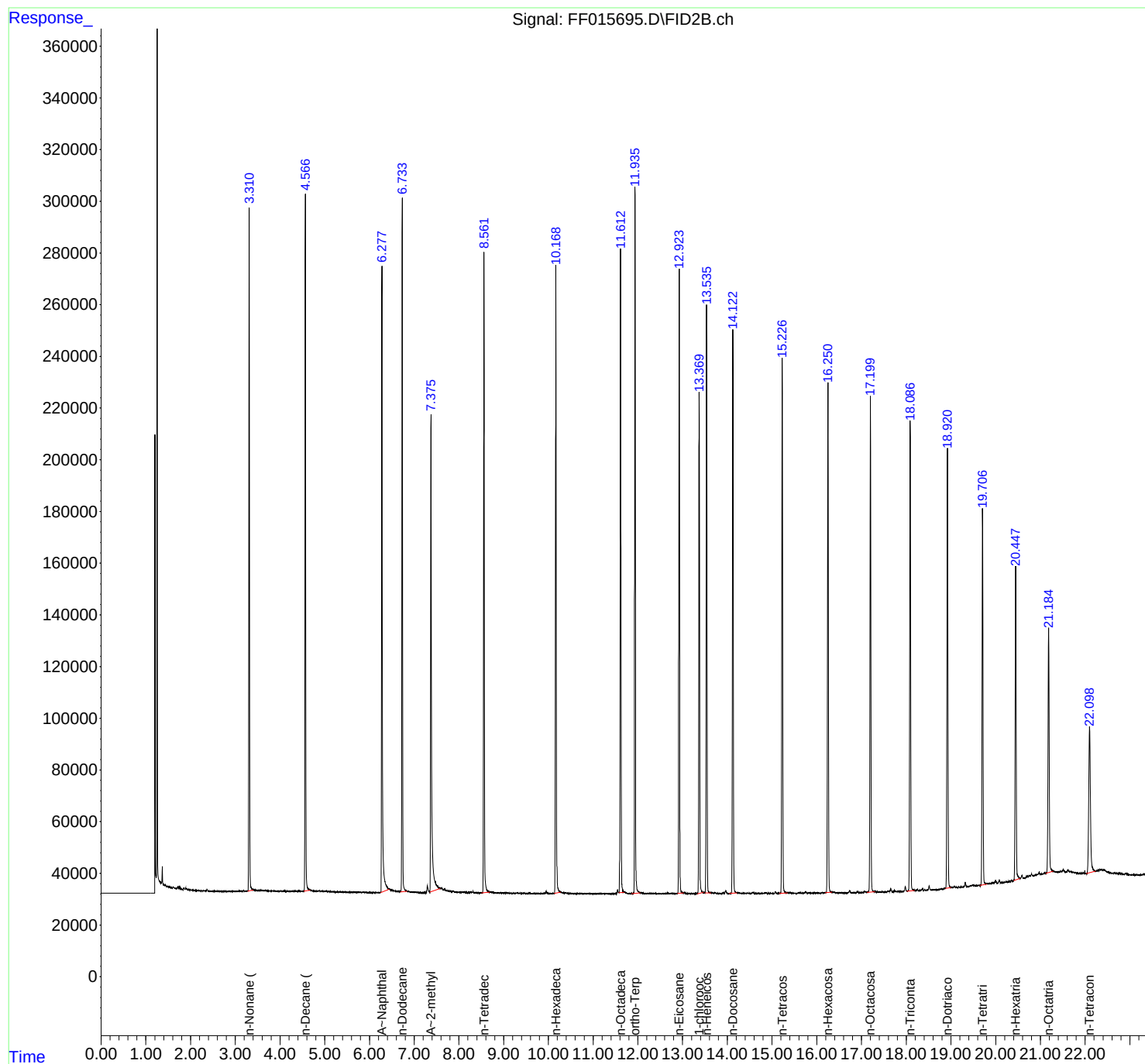
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015695.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 11:24
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 20 14:14:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 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_F\Data\FF032025AL\
Data File : FF015695.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 11:24
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.310	3.275	3.401	BB	264430	2712254	84.75%	4.756%
2	4.566	4.528	4.668	BB	268804	2762325	86.31%	4.844%
3	6.278	6.248	6.441	BB	241390	2816535	88.01%	4.939%
4	6.733	6.695	6.845	BB	267870	2808878	87.77%	4.925%
5	7.376	7.345	7.585	PB	183461	2617622	81.79%	4.590%
6	8.561	8.505	8.685	BB	247818	2787954	87.11%	4.889%
7	10.168	10.128	10.278	BB	242750	2887405	90.22%	5.063%
8	11.612	11.575	11.695	BB	247427	2968715	92.76%	5.206%
9	11.936	11.858	12.048	BB	271801	3200373	100.00%	5.612%
10	12.923	12.881	13.025	BB	243303	2893762	90.42%	5.074%
11	13.370	13.325	13.465	BB	192324	2381043	74.40%	4.175%
12	13.535	13.495	13.628	BB	227381	2863630	89.48%	5.021%
13	14.122	14.045	14.218	BB	218608	2830069	88.43%	4.963%
14	15.226	15.165	15.341	BB	208623	2795888	87.36%	4.903%
15	16.249	16.195	16.335	BB	195894	2710122	84.68%	4.752%
16	17.199	17.121	17.305	BB	191301	2628314	82.13%	4.609%
17	18.088	18.021	18.188	BB	181219	2610142	81.56%	4.577%
18	18.921	18.871	19.005	BB	169606	2476120	77.37%	4.342%
19	19.706	19.641	19.808	BB	145821	2165124	67.65%	3.797%
20	20.447	20.401	20.541	BB	120687	1892968	59.15%	3.319%
21	21.184	21.121	21.288	BB	94627	1725440	53.91%	3.026%
22	22.099	22.021	22.235	BB	56227	1494030	46.68%	2.620%
Sum of corrected areas:							57028714	

Aliphatic EPH 031725.M Fri Mar 21 08:20:33 2025

Continuing Calibration Report for SequenceID : FF032025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FF015706.D

Aliphatic C9-C12	8315013.000	60.000	3.210	6.833	138583.550	128465.799	-7.876
Aliphatic C12-C16	5730108.000	40.000	6.834	10.268	143252.700	131614.301	-8.843
Aliphatic C16-C21	8783678.000	60.000	10.269	13.635	146394.633	135374.394	-8.141
Aliphatic C21-C28	11052870.000	80.000	13.636	17.299	138160.875	132278.233	-4.447
Aliphatic C28-C40	12850002.000	120.000	17.300	22.199	107083.350	108147.044	0.984
Aliphatic EPH	46731671.000	360.000	3.210	22.199	129810.197	124041.354	-4.651

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	20 Mar 2025 18:23
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015706.D	Misc:	
Instrument:	FID_F	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.210	6.833	8315013.000	60.000	ug/ml
Aliphatic C12-C16	6.834	10.268	5730108.000	40.000	ug/ml
Aliphatic C16-C21	10.269	13.635	8783678.000	60.000	ug/ml
Aliphatic C21-C28	13.636	17.299	11052870.000	80.000	ug/ml
Aliphatic C28-C40	17.300	22.199	12850002.000	120.000	ug/ml
Aliphatic EPH	3.210	22.199	46731671.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
 Data File : FF015706.D
 Signal(s) : FID2B.ch
 Acq On : 20 Mar 2025 18:23
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Mar 21 00:17:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:31:19 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)	11.937	3197740	20.989 ug/ml
Spiked Amount 50.000		Recovery =	41.98%
12) S 1-chlorooctadecane (S...	13.372	2461365	21.687 ug/ml
Spiked Amount 50.000		Recovery =	43.37%
Target Compounds			
1) T n-Nonane (C9)	3.310	2719050	21.467 ug/ml
2) T n-Decane (C10)	4.567	2778890	21.640 ug/ml
3) T A~Naphthalene (C11.7)	6.279	2877736	22.173 ug/ml
4) T n-Dodecane (C12)	6.734	2817073	21.617 ug/ml
5) T A~2-methylnaphthalene...	7.375	2717217	22.930 ug/ml
6) T n-Tetradecane (C14)	8.562	2806153	21.668 ug/ml
7) T n-Hexadecane (C16)	10.169	2923955	21.866 ug/ml
8) T n-Octadecane (C18)	11.614	2999681	21.784 ug/ml
10) T n-Eicosane (C20)	12.925	2911688	21.604 ug/ml
11) T n-Heneicosane (C21)	13.537	2872309	21.492 ug/ml
13) T n-Docosane (C22)	14.124	2840683	21.228 ug/ml
14) T n-Tetracosane (C24)	15.229	2860438	21.367 ug/ml
15) T n-Hexacosane (C26)	16.251	2726005	20.843 ug/ml
16) T n-Octacosane (C28)	17.203	2625744	20.100 ug/ml
17) T n-Tricontane (C30)	18.092	2622444	19.447 ug/ml
18) T n-Dotriacontane (C32)	18.925	2496823	19.147 ug/ml
19) T n-Tetratriacontane (C34)	19.709	2185502	18.722 ug/ml
20) T n-Hexatriacontane (C36)	20.450	1918589	19.327 ug/ml
21) T n-Octatriacontane (C38)	21.189	1810854	20.726 ug/ml
22) T n-Tetracontane (C40)	22.104	1815790	22.625 ug/ml

(f)=RT Delta > 1/2 Window

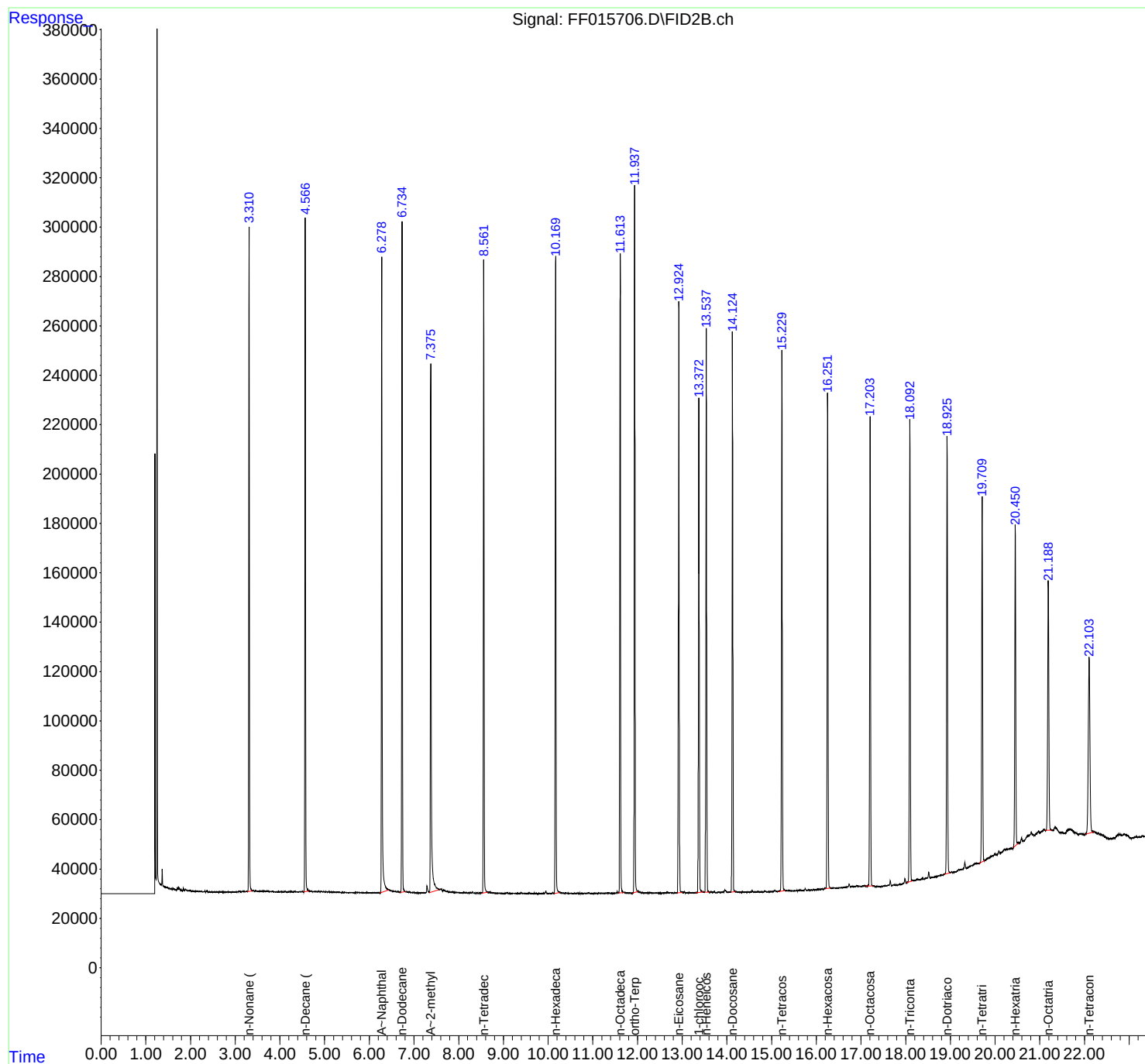
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015706.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 18:23
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 21 00:17:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 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_F\Data\FF032025AL\
Data File : FF015706.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 18:23
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.310	3.278	3.391	BB	267603	2719050	85.03%	4.689%
2	4.567	4.525	4.651	BB	271274	2778890	86.90%	4.792%
3	6.279	6.241	6.435	BB	257421	2877736	89.99%	4.963%
4	6.734	6.691	6.808	BB	271490	2817073	88.10%	4.858%
5	7.375	7.345	7.558	BB	213752	2717217	84.97%	4.686%
6	8.562	8.525	8.651	BB	256332	2806153	87.75%	4.839%
7	10.169	10.131	10.261	BB	256367	2923955	91.44%	5.043%
8	11.614	11.571	11.695	BB	260943	2999681	93.81%	5.173%
9	11.937	11.888	12.011	BB	285811	3197740	100.00%	5.515%
10	12.925	12.885	13.005	BB	238896	2911688	91.05%	5.021%
11	13.372	13.305	13.465	BB	200686	2461365	76.97%	4.245%
12	13.537	13.501	13.608	BB	228689	2872309	89.82%	4.953%
13	14.124	14.088	14.195	BB	227244	2840683	88.83%	4.899%
14	15.229	15.158	15.305	BB	217797	2860438	89.45%	4.933%
15	16.251	16.198	16.325	BB	199835	2726005	85.25%	4.701%
16	17.203	17.098	17.278	BB	189167	2625744	82.11%	4.528%
17	18.092	18.021	18.155	BB	186462	2622444	82.01%	4.523%
18	18.925	18.861	18.998	BB	177008	2496823	78.08%	4.306%
19	19.709	19.641	19.771	BB	147311	2185502	68.35%	3.769%
20	20.450	20.401	20.521	BB	130709	1918589	60.00%	3.309%
21	21.189	21.121	21.271	BB	100544	1810854	56.63%	3.123%
22	22.104	22.021	22.205	BB	70762	1815790	56.78%	3.131%
Sum of corrected areas:							57985728	

Aliphatic EPH 031725.M Fri Mar 21 00:56:20 2025

Continuing Calibration Report for SequenceID : FF032025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FF015713.D

Aliphatic C9-C12	8210426.000	60.000	3.210	6.833	136840.433	128465.799	-6.519
Aliphatic C12-C16	5637642.000	40.000	6.834	10.268	140941.050	131614.301	-7.086
Aliphatic C16-C21	8671498.000	60.000	10.269	13.635	144524.967	135374.394	-6.759
Aliphatic C21-C28	10915750.000	80.000	13.636	17.299	136446.875	132278.233	-3.151
Aliphatic C28-C40	12634329.000	120.000	17.300	22.199	105286.075	108147.044	2.645
Aliphatic EPH	46069645.000	360.000	3.210	22.199	127971.236	124041.354	-3.168

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	20 Mar 2025 23:47
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015713.D	Misc:	
Instrument:	FID_F	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.210	6.833	8210426.000	60.000	ug/ml
Aliphatic C12-C16	6.834	10.268	5637642.000	40.000	ug/ml
Aliphatic C16-C21	10.269	13.635	8671498.000	60.000	ug/ml
Aliphatic C21-C28	13.636	17.299	10915750.000	80.000	ug/ml
Aliphatic C28-C40	17.300	22.199	12634329.000	120.000	ug/ml
Aliphatic EPH	3.210	22.199	46069645.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
 Data File : FF015713.D
 Signal(s) : FID2B.ch
 Acq On : 20 Mar 2025 23:47
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Mar 21 00:48:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:31:19 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)	11.937	3169548	20.804 ug/ml
Spiked Amount 50.000		Recovery =	41.61%
12) S 1-chlorooctadecane (S...	13.371	2417766	21.303 ug/ml
Spiked Amount 50.000		Recovery =	42.61%
Target Compounds			
1) T n-Nonane (C9)	3.310	2689981	21.238 ug/ml
2) T n-Decane (C10)	4.567	2745399	21.379 ug/ml
3) T A~Naphthalene (C11.7)	6.279	2805233	21.614 ug/ml
4) T n-Dodecane (C12)	6.733	2775046	21.294 ug/ml
5) T A~2-methylnaphthalene...	7.376	2633279	22.221 ug/ml
6) T n-Tetradecane (C14)	8.561	2763880	21.342 ug/ml
7) T n-Hexadecane (C16)	10.169	2873762	21.490 ug/ml
8) T n-Octadecane (C18)	11.613	2955641	21.464 ug/ml
10) T n-Eicosane (C20)	12.924	2875173	21.333 ug/ml
11) T n-Heneicosane (C21)	13.536	2840684	21.255 ug/ml
13) T n-Docosane (C22)	14.123	2807928	20.983 ug/ml
14) T n-Tetracosane (C24)	15.228	2807147	20.969 ug/ml
15) T n-Hexacosane (C26)	16.251	2692082	20.583 ug/ml
16) T n-Octacosane (C28)	17.202	2608593	19.969 ug/ml
17) T n-Tricontane (C30)	18.091	2595887	19.250 ug/ml
18) T n-Dotriacontane (C32)	18.924	2471096	18.950 ug/ml
19) T n-Tetratriacontane (C34)	19.709	2163453	18.534 ug/ml
20) T n-Hexatriacontane (C36)	20.449	1888439	19.023 ug/ml
21) T n-Octatriacontane (C38)	21.187	1788386	20.469 ug/ml
22) T n-Tetracontane (C40)	22.103	1727068	21.520 ug/ml

(f)=RT Delta > 1/2 Window

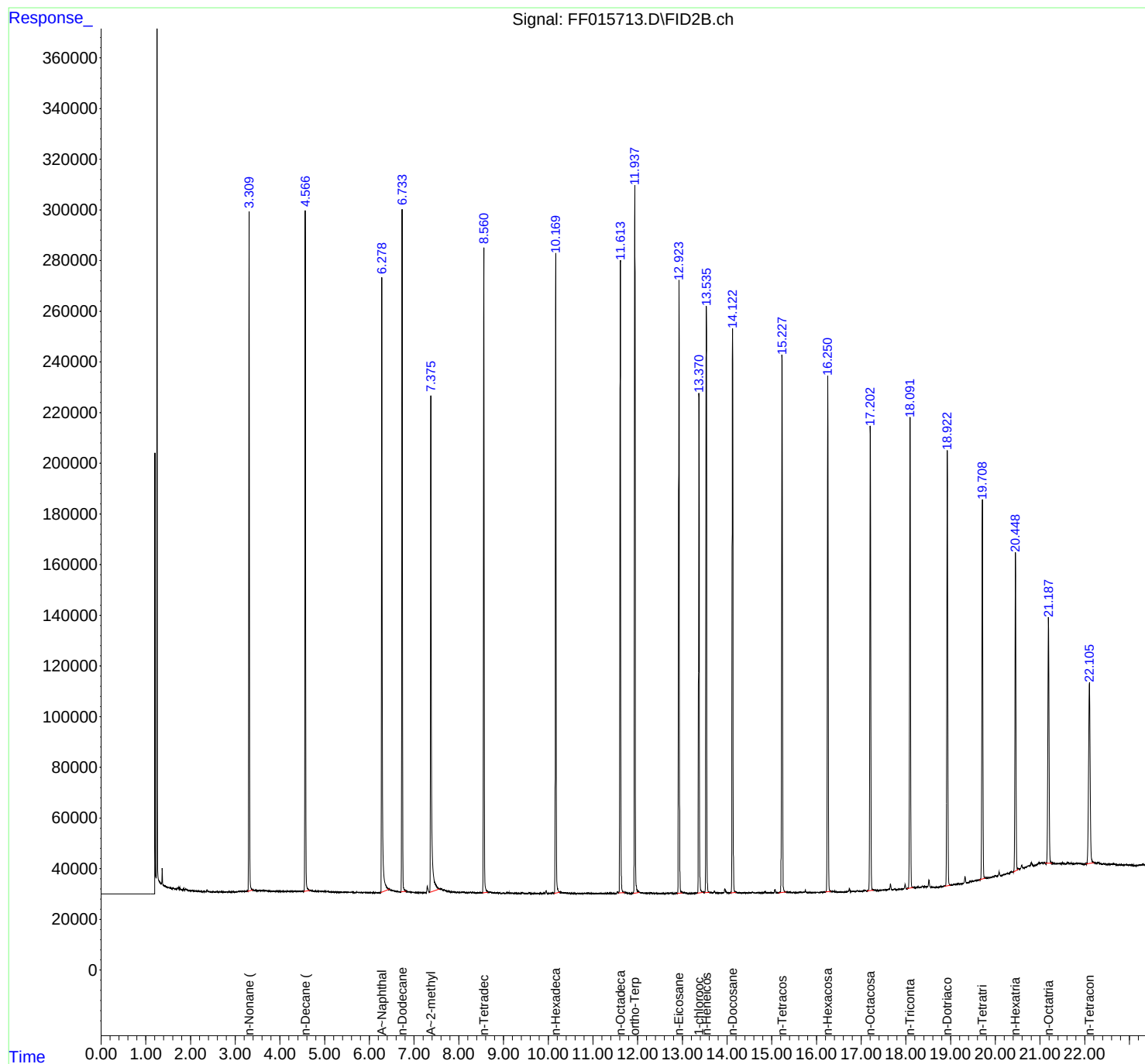
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015713.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 23:47
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 21 00:48:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 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_F\Data\FF032025AL\
 Data File : FF015713.D
 Signal(s) : FID2B.ch
 Acq On : 20 Mar 2025 23:47
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.310	3.271	3.395	BB	265605	2689981	84.87%	4.711%
2	4.567	4.531	4.665	BB	267018	2745399	86.62%	4.808%
3	6.279	6.251	6.445	BB	241463	2805233	88.51%	4.913%
4	6.733	6.701	6.818	BB	268229	2775046	87.55%	4.860%
5	7.376	7.348	7.568	PB	195795	2633279	83.08%	4.612%
6	8.561	8.528	8.658	BB	254142	2763880	87.20%	4.841%
7	10.169	10.131	10.261	BB	249654	2873762	90.67%	5.033%
8	11.613	11.571	11.701	BB	249574	2955641	93.25%	5.177%
9	11.937	11.905	12.038	BB	278771	3169548	100.00%	5.551%
10	12.924	12.881	13.005	BB	242256	2875173	90.71%	5.036%
11	13.371	13.335	13.465	BB	196565	2417766	76.28%	4.235%
12	13.536	13.498	13.608	BB	229998	2840684	89.62%	4.975%
13	14.123	14.078	14.198	BB	222092	2807928	88.59%	4.918%
14	15.228	15.155	15.318	BB	212827	2807147	88.57%	4.917%
15	16.251	16.195	16.325	BB	203197	2692082	84.94%	4.715%
16	17.202	17.128	17.278	BB	182661	2608593	82.30%	4.569%
17	18.091	18.021	18.165	BB	186107	2595887	81.90%	4.547%
18	18.924	18.875	18.998	BB	170928	2471096	77.96%	4.328%
19	19.709	19.641	19.775	BB	148720	2163453	68.26%	3.789%
20	20.449	20.401	20.521	BB	125331	1888439	59.58%	3.308%
21	21.187	21.121	21.265	BB	96525	1788386	56.42%	3.132%
22	22.103	22.021	22.211	BB	71027	1727068	54.49%	3.025%
Sum of corrected areas:							57095472	

Aliphatic EPH 031725.M Fri Mar 21 00:58:06 2025

Continuing Calibration Report for SequenceID : FG032025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FG015512.D

Aromatic C10-C12	5476572.000	40.000	4.457	6.336	136914.300	133996.317	-2.178
Aromatic C12-C16	8393261.000	60.000	6.337	9.043	139887.683	137151.728	-1.995
Aromatic C16-C21	11290652.000	80.000	9.044	13.372	141133.150	139410.441	-1.236
Aromatic C21-C36	24297615.000	180.000	13.373	18.832	134986.750	130193.774	-3.681
Aromatic EPH	49458100.000	360.000	4.457	18.832	137383.611	133824.086	-2.660

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	20 Mar 2025 11:24
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015512.D	Misc:	
Instrument:	FID_G	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.457	6.336	5476572.000	40.000	ug/ml
Aromatic C12-C16	6.337	9.043	8393261.000	60.000	ug/ml
Aromatic C16-C21	9.044	13.372	11290652.000	80.000	ug/ml
Aromatic C21-C36	13.373	18.832	24297615.000	180.000	ug/ml
Aromatic EPH	4.457	18.832	49458100.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
 Data File : FG015512.D
 Signal(s) : FID1A.ch
 Acq On : 20 Mar 2025 11:24
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: Mar 21 01:00:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:13:04 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...	7.967	2491094	20.393 ug/ml
Spiked Amount 50.000		Recovery =	40.79%
6) S 2-Fluorobiphenyl (SURR)	8.844	1692858	20.481 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.96%
11) S ortho-Terphenyl (SURR)	11.917	2965757	20.337 ug/ml
Spiked Amount 50.000		Recovery =	40.67%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.557	2698301	20.305 ug/ml
2) T Naphthalene (C11.7)	6.236	2778271	20.564 ug/ml
3) T 2-Methylnaphthalene (...)	7.337	2724131	20.422 ug/ml
5) T Acenaphthylene (C15.06)	8.643	2874916	20.299 ug/ml
7) T Acenaphthene (C15.5)	8.943	2794214	20.480 ug/ml
8) T Fluorene (C16.55)	9.736	2851093	20.423 ug/ml
9) T Phenanthrene (C19.36)	11.146	2826333	20.062 ug/ml
10) T Anthracene (C19.43)	11.222	2677924	19.570 ug/ml
12) T Fluoranthene (C21.85)	12.973	2915055	20.441 ug/ml
13) T Pyrene (C20.8)	13.272	2935302	20.920 ug/ml
14) T Benzo[a]anthracene (C...	15.157	2794370	20.603 ug/ml
15) T Chrysene (C27.41)	15.200	2876953	20.551 ug/ml
16) T benzo[b]fluoranthene ...	16.721	2780939	21.045 ug/ml
17) T Bnezo[k]fluoranthene ...	16.753	2819278	20.648 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.102	2604499	20.769 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.477	2280495	20.497 ug/ml
20) T Dibenz[a,h]anthracene...	18.515	2728994	21.207 ug/ml
21) T Benzo[g,h,i]perylene ...	18.732	2497032	20.897 ug/ml

(f)=RT Delta > 1/2 Window

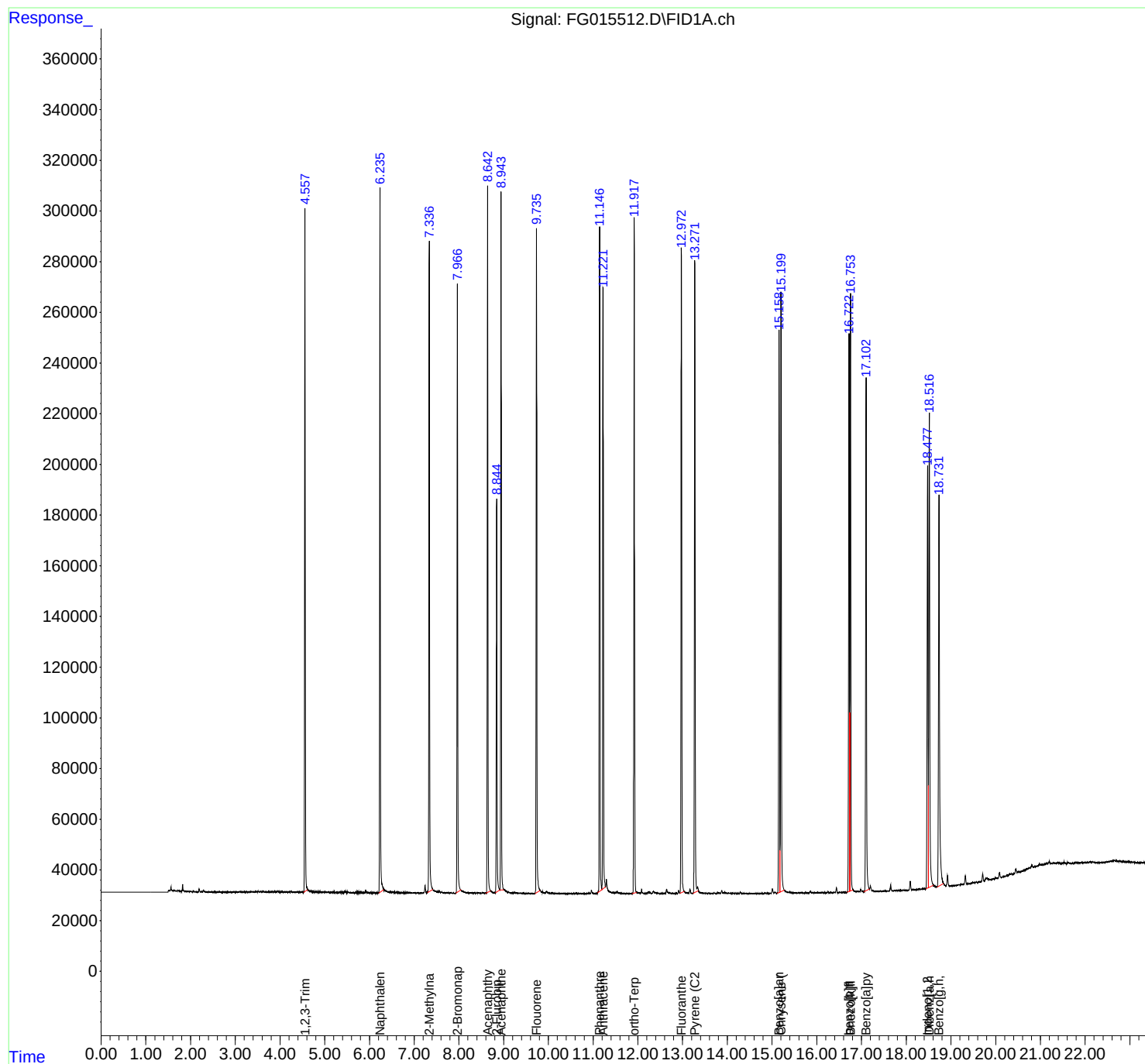
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015512.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 11:24
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 21 01:00:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 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_G\Data\FG032025AR\
Data File : FG015512.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 11:24
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.557	4.525	4.615	BB	269033	2698301	90.98%	4.767%
2	6.236	6.207	6.320	BB	277597	2778271	93.68%	4.908%
3	7.337	7.295	7.417	BB	256343	2724131	91.85%	4.812%
4	7.967	7.932	8.040	BB	238757	2491094	84.00%	4.401%
5	8.643	8.604	8.707	BB	279032	2874916	96.94%	5.079%
6	8.844	8.815	8.910	BB	155223	1692858	57.08%	2.991%
7	8.943	8.914	9.007	BB	275336	2794214	94.22%	4.936%
8	9.736	9.702	9.815	BB	262982	2851093	96.13%	5.037%
9	11.146	11.097	11.194	BV	259876	2826333	95.30%	4.993%
10	11.222	11.194	11.277	VV	236974	2677924	90.29%	4.731%
11	11.917	11.867	11.974	BB	266307	2965757	100.00%	5.239%
12	12.973	12.937	13.035	BB	253557	2915055	98.29%	5.150%
13	13.272	13.230	13.354	BB	249320	2935302	98.97%	5.185%
14	15.157	15.119	15.178	BV	221975	2794370	94.22%	4.936%
15	15.200	15.178	15.272	VB	235027	2876953	97.01%	5.082%
16	16.721	16.680	16.736	BV	217574	2780939	93.77%	4.913%
17	16.753	16.736	16.812	VB	234974	2819278	95.06%	4.980%
18	17.102	17.054	17.182	BB	201194	2604499	87.82%	4.601%
19	18.477	18.440	18.495	BV	166280	2280495	76.89%	4.029%
20	18.515	18.495	18.605	VB	185779	2728994	92.02%	4.821%
21	18.732	18.689	18.834	BB	153376	2497032	84.20%	4.411%
Sum of corrected areas:							56607808	

Aromatic EPH 031725.M Fri Mar 21 01:44:17 2025

Continuing Calibration Report for SequenceID : FG032025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FG015523.D

Aromatic C10-C12	5657327.000	40.000	4.457	6.336	141433.175	133996.317	-5.550
Aromatic C12-C16	8663436.000	60.000	6.337	9.043	144390.600	137151.728	-5.278
Aromatic C16-C21	11637052.000	80.000	9.044	13.372	145463.150	139410.441	-4.342
Aromatic C21-C36	23725751.000	180.000	13.373	18.832	131809.728	130193.774	-1.241
Aromatic EPH	49683566.000	360.000	4.457	18.832	138009.906	133824.086	-3.128

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	20 Mar 2025 18:23
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015523.D	Misc:	
Instrument:	FID_G	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.457	6.336	5657327.000	40.000	ug/ml
Aromatic C12-C16	6.337	9.043	8663436.000	60.000	ug/ml
Aromatic C16-C21	9.044	13.372	11637052.000	80.000	ug/ml
Aromatic C21-C36	13.373	18.832	23725751.000	180.000	ug/ml
Aromatic EPH	4.457	18.832	49683566.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
 Data File : FG015523.D
 Signal(s) : FID1A.ch
 Acq On : 20 Mar 2025 18:23
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: Mar 21 01:01:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:13:04 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...	7.968	2579594	21.117 ug/ml
Spiked Amount 50.000		Recovery =	42.23%
6) S 2-Fluorobiphenyl (SURR)	8.847	1753039	21.209 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.42%
11) S ortho-Terphenyl (SURR)	11.920	3025218	20.745 ug/ml
Spiked Amount 50.000		Recovery =	41.49%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.558	2796465	21.044 ug/ml
2) T Naphthalene (C11.7)	6.237	2860862	21.175 ug/ml
3) T 2-Methylnaphthalene (...)	7.339	2822188	21.157 ug/ml
5) T Acenaphthylene (C15.06)	8.645	2965123	20.936 ug/ml
7) T Acenaphthene (C15.5)	8.945	2876125	21.081 ug/ml
8) T Fluorene (C16.55)	9.738	2947182	21.111 ug/ml
9) T Phenanthrene (C19.36)	11.149	2897054	20.564 ug/ml
10) T Anthracene (C19.43)	11.224	2851442	20.838 ug/ml
12) T Fluoranthene (C21.85)	12.977	2925574	20.515 ug/ml
13) T Pyrene (C20.8)	13.276	2941374	20.963 ug/ml
14) T Benzo[a]anthracene (C...	15.163	2722913	20.076 ug/ml
15) T Chrysene (C27.41)	15.206	2929461	20.926 ug/ml
16) T benzo[b]fluoranthene ...	16.727	2579488	19.521 ug/ml
17) T Bnezo[k]fluoranthene ...	16.758	2792112	20.449 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.107	2495076	19.897 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.484	2155287	19.371 ug/ml
20) T Dibenz[a,h]anthracene...	18.522	2707805	21.043 ug/ml
21) T Benzo[g,h,i]perylene ...	18.740	2418035	20.236 ug/ml

(f)=RT Delta > 1/2 Window

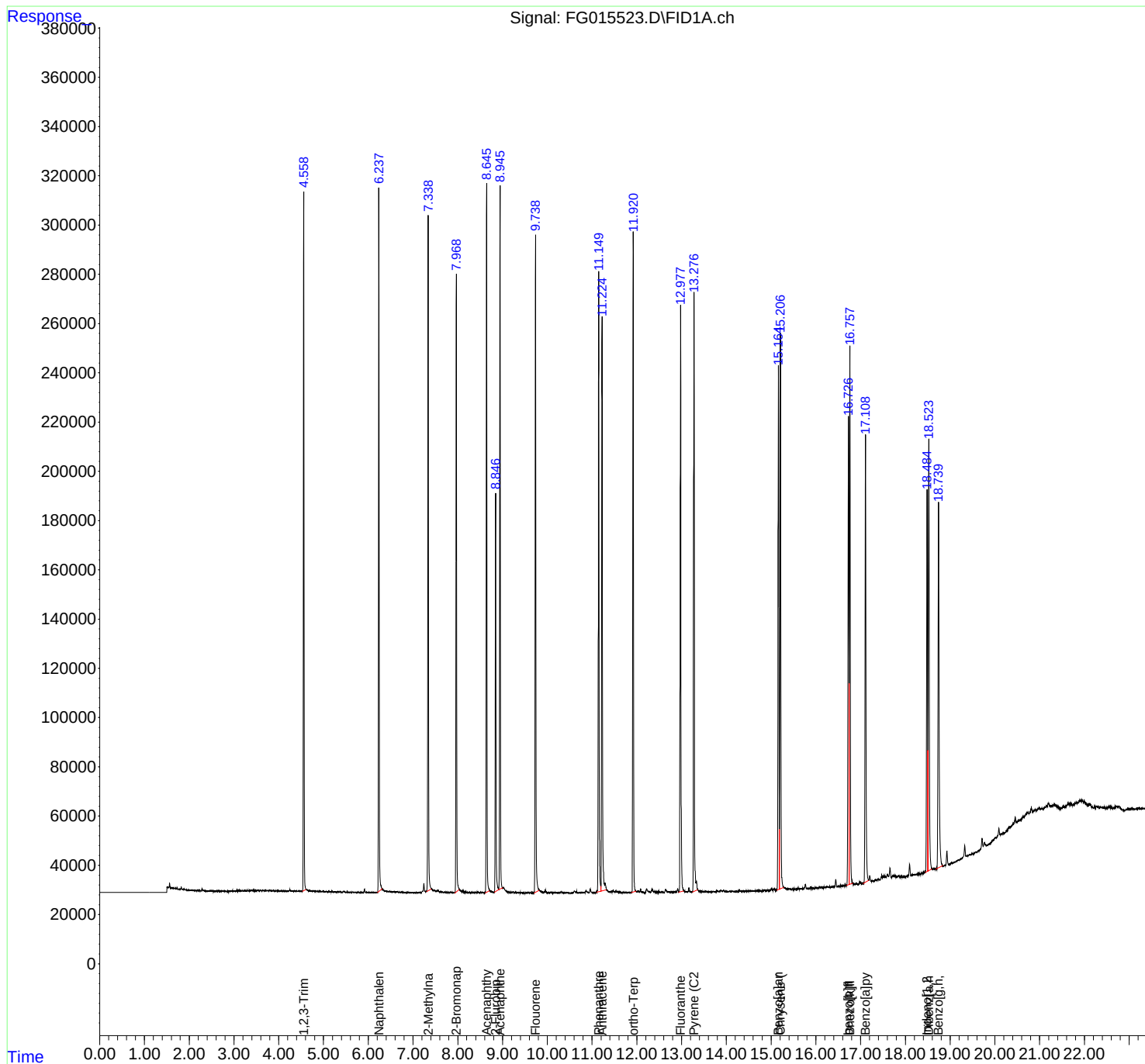
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015523.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 18:23
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 21 01:01:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 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_G\Data\FG032025AR\
Data File : FG015523.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 18:23
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.558	4.527	4.612	BB	284021	2796465	92.44%	4.903%
2	6.237	6.200	6.307	BB	285403	2860862	94.57%	5.015%
3	7.339	7.299	7.412	BB	274191	2822188	93.29%	4.948%
4	7.968	7.935	8.037	BB	251623	2579594	85.27%	4.522%
5	8.645	8.610	8.715	BB	287774	2965123	98.01%	5.198%
6	8.847	8.815	8.917	BB	161872	1753039	57.95%	3.073%
7	8.945	8.920	9.002	BB	285419	2876125	95.07%	5.042%
8	9.738	9.700	9.822	BB	267368	2947182	97.42%	5.167%
9	11.149	11.102	11.197	BV	251104	2897054	95.76%	5.079%
10	11.224	11.197	11.324	VB	232272	2851442	94.26%	4.999%
11	11.920	11.867	11.979	BB	269038	3025218	100.00%	5.304%
12	12.977	12.940	13.052	BB	239029	2925574	96.71%	5.129%
13	13.276	13.237	13.362	BB	241450	2941374	97.23%	5.157%
14	15.163	15.127	15.184	BV	209829	2722913	90.01%	4.774%
15	15.206	15.184	15.279	VB	224490	2929461	96.83%	5.136%
16	16.727	16.680	16.742	BV	190497	2579488	85.27%	4.522%
17	16.758	16.742	16.819	VB	216482	2792112	92.29%	4.895%
18	17.107	17.047	17.182	BV	180759	2495076	82.48%	4.374%
19	18.484	18.440	18.501	BV	155045	2155287	71.24%	3.778%
20	18.522	18.501	18.597	VB	174091	2707805	89.51%	4.747%
21	18.740	18.679	18.834	BB	146879	2418035	79.93%	4.239%
Sum of corrected areas:							57041416	

Aromatic EPH 031725.M Fri Mar 21 01:47:44 2025

Continuing Calibration Report for SequenceID : FG032025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV

File ID : FG015530.D

Aromatic C10-C12	5735754.000	40.000	4.457	6.336	143393.850	133996.317	-7.013
Aromatic C12-C16	8839332.000	60.000	6.337	9.043	147322.200	137151.728	-7.415
Aromatic C16-C21	11778156.000	80.000	9.044	13.372	147226.950	139410.441	-5.607
Aromatic C21-C36	24006831.000	180.000	13.373	18.832	133371.283	130193.774	-2.441
Aromatic EPH	50360073.000	360.000	4.457	18.832	139889.092	133824.086	-4.532

Lab Sample ID:	20 PPM AROMATIC HC	Acq On:	20 Mar 2025 23:47
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015530.D	Misc:	
Instrument:	FID_G	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.457	6.336	5735754.000	40.000	ug/ml
Aromatic C12-C16	6.337	9.043	8839332.000	60.000	ug/ml
Aromatic C16-C21	9.044	13.372	11778156.000	80.000	ug/ml
Aromatic C21-C36	13.373	18.832	24006831.000	180.000	ug/ml
Aromatic EPH	4.457	18.832	50360073.000	360.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
 Data File : FG015530.D
 Signal(s) : FID1A.ch
 Acq On : 20 Mar 2025 23:47
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: Mar 21 01:02:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:13:04 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...	7.967	2615120	21.408 ug/ml
Spiked Amount 50.000		Recovery =	42.82%
6) S 2-Fluorobiphenyl (SURR)	8.844	1793583	21.699 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.40%
11) S ortho-Terphenyl (SURR)	11.917	3079133	21.115 ug/ml
Spiked Amount 50.000		Recovery =	42.23%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.556	2827907	21.281 ug/ml
2) T Naphthalene (C11.7)	6.235	2907847	21.523 ug/ml
3) T 2-Methylnaphthalene (...)	7.337	2867971	21.500 ug/ml
5) T Acenaphthylene (C15.06)	8.643	3020234	21.325 ug/ml
7) T Acenaphthene (C15.5)	8.943	2951127	21.631 ug/ml
8) T Fluorene (C16.55)	9.736	2991922	21.432 ug/ml
9) T Phenanthrene (C19.36)	11.146	2930713	20.802 ug/ml
10) T Anthracene (C19.43)	11.222	2884236	21.077 ug/ml
12) T Fluoranthene (C21.85)	12.974	2967130	20.807 ug/ml
13) T Pyrene (C20.8)	13.272	2971285	21.176 ug/ml
14) T Benzo[a]anthracene (C...	15.159	2724111	20.085 ug/ml
15) T Chrysene (C27.41)	15.201	2969916	21.215 ug/ml
16) T benzo[b]fluoranthene ...	16.722	2600927	19.683 ug/ml
17) T Bnezo[k]fluoranthene ...	16.754	2842586	20.819 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.104	2522982	20.119 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.480	2154015	19.360 ug/ml
20) T Dibenz[a,h]anthracene...	18.518	2775537	21.569 ug/ml
21) T Benzo[g,h,i]perylene ...	18.737	2449627	20.500 ug/ml

(f)=RT Delta > 1/2 Window

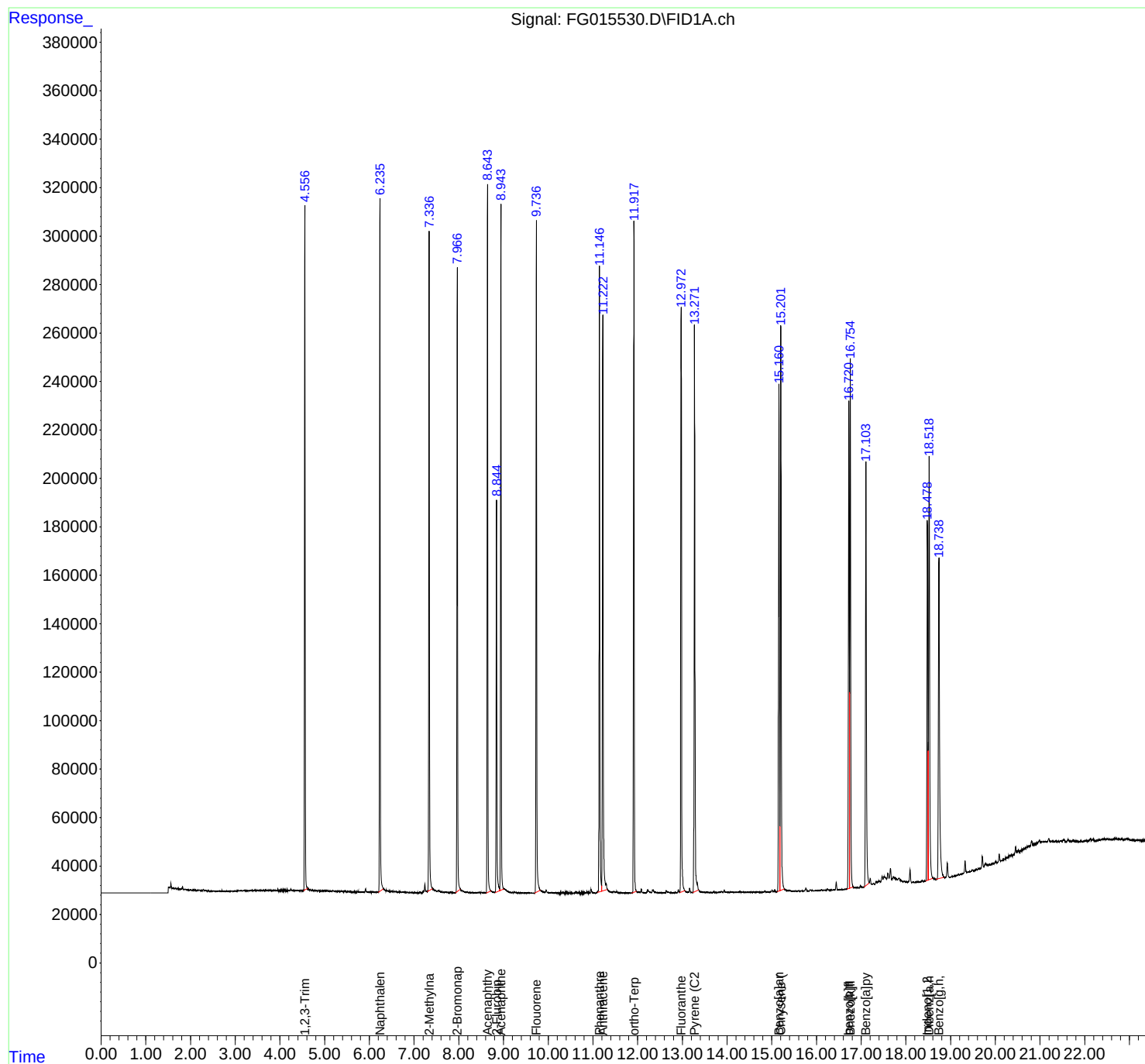
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015530.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 23:47
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM AROMATIC HC STD

Integration File: autoint1.e
Quant Time: Mar 21 01:02:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 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_G\Data\FG032025AR\
Data File : FG015530.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 23:47
Sample : 20 PPM AROMATIC HC STD
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.556	4.524	4.615	BB	281733	2827907	91.84%	4.889%
2	6.235	6.199	6.312	BB	285325	2907847	94.44%	5.027%
3	7.337	7.290	7.414	BB	271471	2867971	93.14%	4.958%
4	7.967	7.925	8.035	BB	257103	2615120	84.93%	4.521%
5	8.643	8.610	8.714	BB	292246	3020234	98.09%	5.221%
6	8.844	8.812	8.915	BV	161519	1793583	58.25%	3.101%
7	8.943	8.915	9.009	VB	284312	2951127	95.84%	5.102%
8	9.736	9.694	9.825	BB	277237	2991922	97.17%	5.172%
9	11.146	11.100	11.194	BV	257618	2930713	95.18%	5.066%
10	11.222	11.194	11.324	VB	236762	2884236	93.67%	4.986%
11	11.917	11.869	11.974	BB	275997	3079133	100.00%	5.323%
12	12.974	12.937	13.057	BB	241189	2967130	96.36%	5.129%
13	13.272	13.230	13.364	BB	233789	2971285	96.50%	5.136%
14	15.159	15.120	15.180	BV	208816	2724111	88.47%	4.709%
15	15.201	15.180	15.280	VB	233241	2969916	96.45%	5.134%
16	16.722	16.680	16.737	BV	198905	2600927	84.47%	4.496%
17	16.754	16.737	16.824	VB	217401	2842586	92.32%	4.914%
18	17.104	17.060	17.179	BV	174241	2522982	81.94%	4.361%
19	18.480	18.440	18.498	BV	145270	2154015	69.96%	3.724%
20	18.518	18.498	18.604	VB	173899	2775537	90.14%	4.798%
21	18.737	18.670	18.852	BB	130582	2449627	79.56%	4.235%
Sum of corrected areas:							57847908	

Aromatic EPH 031725.M Fri Mar 21 01:51:21 2025



QC SAMPLE DATA

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Ave L		Date Received:		
Client Sample ID:	PB167231BL		SDG No.:	Q1574	
Lab Sample ID:	PB167231BL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/19/25 15:00	03/20/25 12:31	PB167231

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	1	0.14	1.00	mg/kg	FF015696.D
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	1	0.11	0.67	mg/kg	FF015696.D
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	1	0.13	1.00	mg/kg	FF015696.D
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	1	0.53	1.33	mg/kg	FF015696.D
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FF015696.D
Aromatic C10-C12	Aromatic C10-C12	0.12	U	1	0.12	0.67	mg/kg	FG015513.D
Aromatic C12-C16	Aromatic C12-C16	0.23	U	1	0.23	1.00	mg/kg	FG015513.D
Aromatic C16-C21	Aromatic C16-C21	0.40	U	1	0.40	1.67	mg/kg	FG015513.D
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1	1.19	2.67	mg/kg	FG015513.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	1.94	U		1.94	6.01	mg/kg	
Total EPH	Total EPH	4.03	U		4.03	12.0	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	PB167231BL	SDG No.:	Q1574
Lab Sample ID:	PB167231BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015696.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.7		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167231BL	Acq On:	20 Mar 2025 12:31
Client Sample ID:	PB167231BL	Operator:	YP\AJ
Data file:	FF015696.D	Misc:	
Instrument:	FID_F	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	0	0	300	ug/ml
Aliphatic C12-C16	6.834	10.268	0	0	200	ug/ml
Aliphatic C16-C21	10.269	13.635	0	0	300	ug/ml
Aliphatic C21-C28	13.636	17.299	0	0	400	ug/ml
Aliphatic C28-C40	17.300	22.199	0	0	600	ug/ml
Aliphatic EPH	3.210	22.199	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.368	13.368	3596079	31.69		ug/ml
Aliphatic C9-C28	3.210	17.299	0	0	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015696.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 12:31
Operator : YP\AJ
Sample : PB167231BL
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167231BL

Integration File: autoint1.e
Quant Time: Mar 20 14:14:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.368	3596079	31.686 ug/ml
Spiked Amount	50.000	Recovery	= 63.37%

Target Compounds

(f)=RT Delta > 1/2 Window

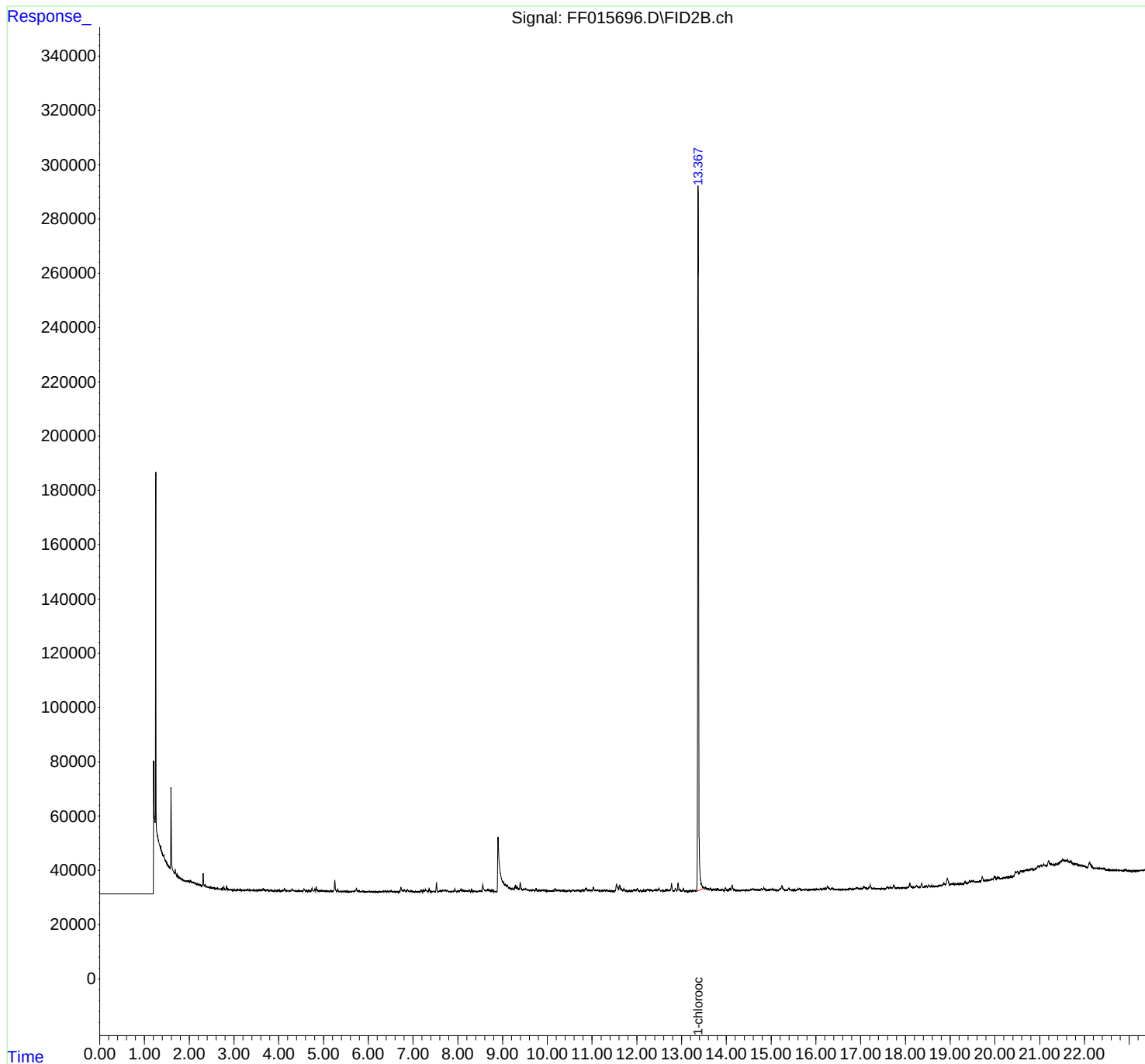
(m)=manual int.

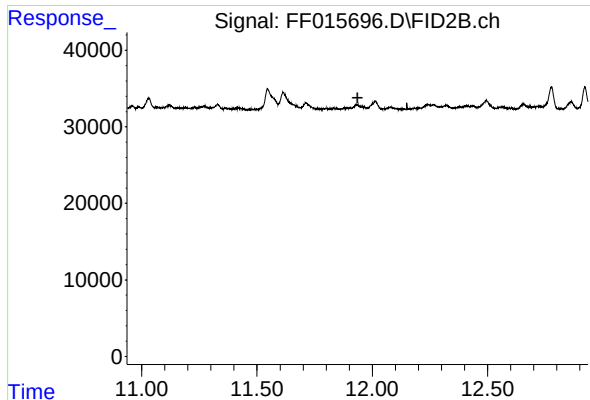
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015696.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 12:31
Operator : YP\AJ
Sample : PB167231BL
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167231BL

Integration File: autoint1.e
Quant Time: Mar 20 14:14:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

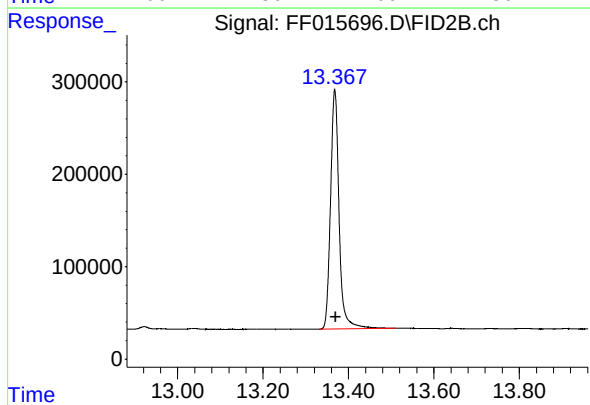




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T.: 11.936 min
Response: 0
Conc: N.D.

Instrument :
FID_F
ClientSampleId :
PB167231BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.368 min
Delta R.T.: -0.003 min
Response: 3596079
Conc: 31.69 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015696.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 12:31
Sample : PB167231BL
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	13.368	13.331	13.511	BB	259124	3596079	100.00%	100.000%
Sum of corrected areas:							3596079	

Aliphatic EPH 031725.M Fri Mar 21 08:20:51 2025

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	PB167231BL	SDG No.:	Q1574
Lab Sample ID:	PB167231BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015513.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.12	U	0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.23	U	0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.40	U	0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1.19	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.0		40 - 140	100%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	36.6		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.0		40 - 140	84%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167231BL	Acq On:	20 Mar 2025 12:31
Client Sample ID:	PB167231BL	Operator:	YP\AJ
Data file:	FG015513.D	Misc:	
Instrument:	FID_G	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.457	6.336	0	0	200	ug/ml
Aromatic C12-C16	6.337	9.043	0	0	300	ug/ml
Aromatic C16-C21	9.044	13.372	0	0	500	ug/ml
Aromatic C21-C36	13.373	18.832	0	0	800	ug/ml
Aromatic EPH	4.457	18.832	0	0		ug/ml
ortho-Terphenyl (SURR)	11.920	11.920	6123660	41.99		ug/ml
2-Bromonaphthalene (SURR)	7.966	7.966	6105622	49.98		ug/ml
2-Fluorobiphenyl (SURR)	8.842	8.842	3028647	36.64		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
 Data File : FG015513.D
 Signal(s) : FID1A.ch
 Acq On : 20 Mar 2025 12:31
 Operator : YP\AJ
 Sample : PB167231BL
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 PB167231BL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/21/2025
 Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
 Quant Time: Mar 21 01:06:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:13:04 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...	7.966	6105622	49.983 ug/ml
Spiked Amount 50.000		Recovery =	99.97%
6) S 2-Fluorobiphenyl (SURR)	8.842	3028647	36.641 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	73.28%
11) S ortho-Terphenyl (SURR)	11.920	6123660	41.992 ug/ml
Spiked Amount 50.000		Recovery =	83.98%

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015513.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 12:31
Operator : YP\AJ
Sample : PB167231BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

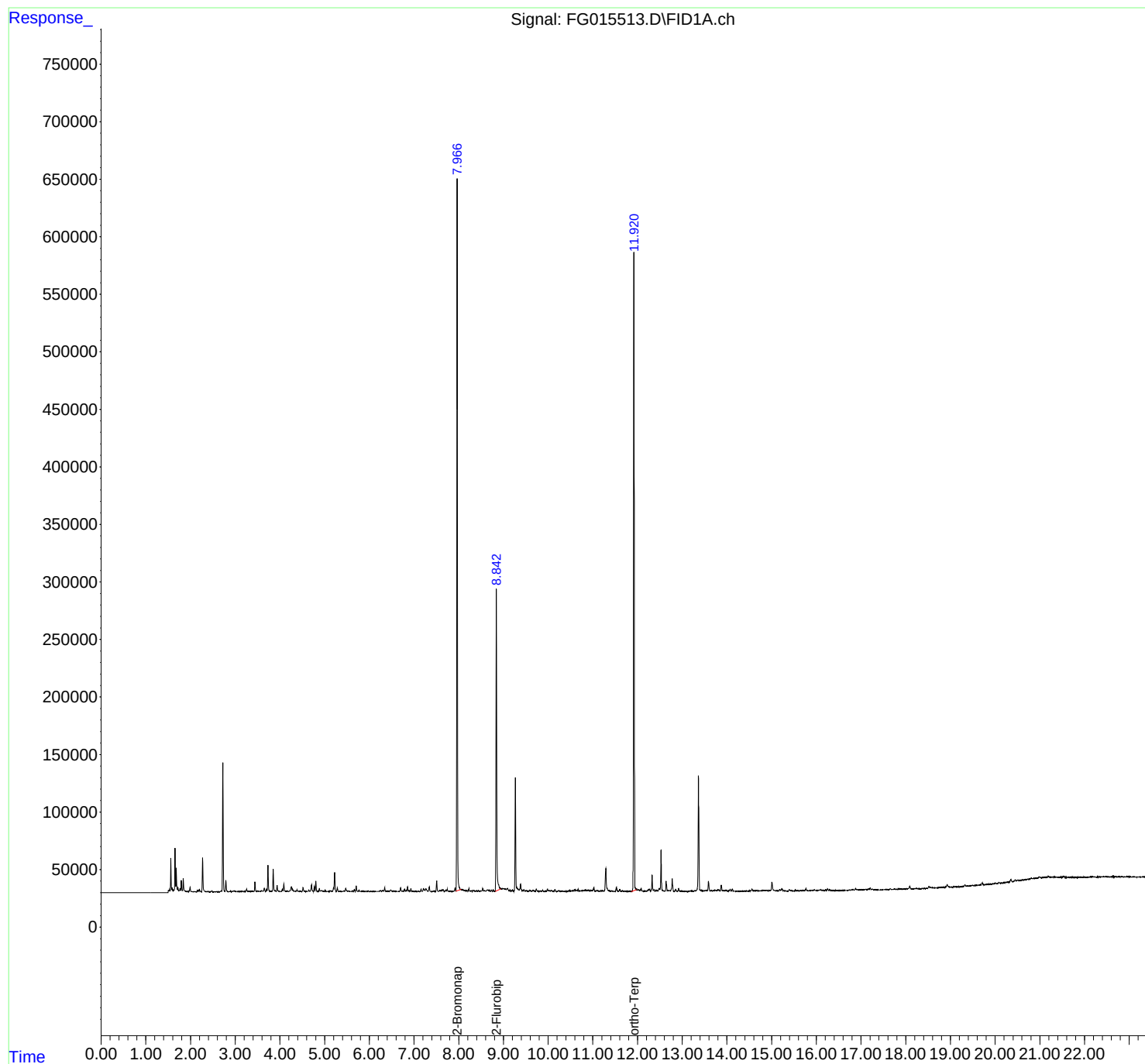
Instrument :
FID_G
ClientSampleId :
PB167231BL

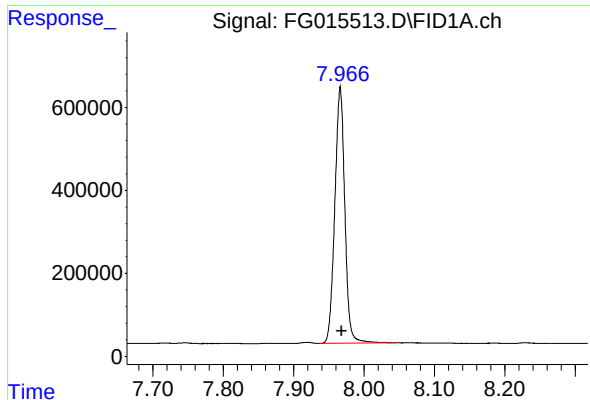
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 21 01:06:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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





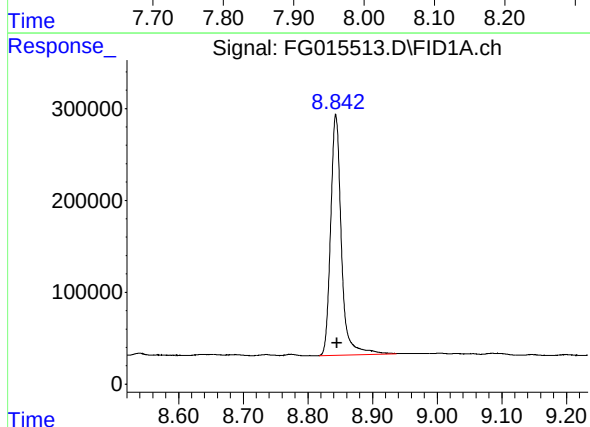
#4 2-Bromonaphthalene (SURR)

R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 6105622
Conc: 49.98 ug/ml

Instrument :
FID_G
ClientSampleId :
PB167231BL

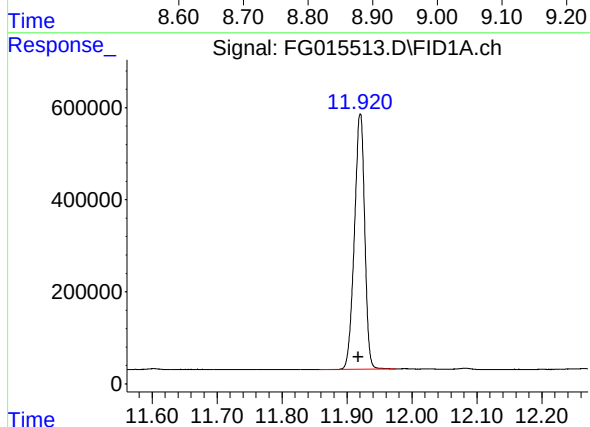
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



#6 2-Fluorobiphenyl (SURR)

R.T.: 8.842 min
Delta R.T.: -0.003 min
Response: 3028647
Conc: 36.64 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.920 min
Delta R.T.: 0.003 min
Response: 6123660
Conc: 41.99 ug/ml

rteres

Instrument :

FID_G

ClientSampleId :

PB167231BL

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03202
Data File : FG015513.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 12:31
Sample : PB167231BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.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	7.966	7.936	8.045	PB	614086	6105622	99.71%	40.187%
2	8.843	8.714	8.932	BB	259626	2963683	48.40%	19.507%
3	11.920	11.857	11.975	BB	554893	6123660	100.00%	40.306%
Sum of corrected areas:							15192965	

Aromatic EPH 031725.M Fri Mar 21 01:44:38 2025

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Ave L		Date Received:	
Client Sample ID:	PB167231BS		SDG No.:	Q1574
Lab Sample ID:	PB167231BS		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
03/19/25 15:00	03/20/25 13:00	PB167231

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.21		1	0.14	1.00	mg/kg FF015697.D
Aliphatic C12-C16	Aliphatic C12-C16	4.89		1	0.11	0.67	mg/kg FF015697.D
Aliphatic C16-C21	Aliphatic C16-C21	8.60		1	0.13	1.00	mg/kg FF015697.D
Aliphatic C21-C28	Aliphatic C21-C28	11.5		1	0.53	1.33	mg/kg FF015697.D
Aliphatic C28-C40	Aliphatic C28-C40	18.0		1	1.18	2.00	mg/kg FF015697.D
Aromatic C10-C12	Aromatic C10-C12	3.68		1	0.12	0.67	mg/kg FG015514.D
Aromatic C12-C16	Aromatic C12-C16	7.25		1	0.23	1.00	mg/kg FG015514.D
Aromatic C16-C21	Aromatic C16-C21	14.9		1	0.40	1.67	mg/kg FG015514.D
Aromatic C21-C36	Aromatic C21-C36	26.3		1	1.19	2.66	mg/kg FG015514.D
Total AliphaticEPH	Total AliphaticEPH	48.2			2.09	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	52.1			1.94	6.00	mg/kg
Total EPH	Total EPH	100			4.03	12.0	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	PB167231BS	SDG No.:	Q1574
Lab Sample ID:	PB167231BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015697.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.21		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.89		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.60		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.5		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.0		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.0		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:	PB167231BS	Acq On:	20 Mar 2025 13:00
Client Sample ID:	PB167231BS	Operator:	YP\AJ
Data file:	FF015697.D	Misc:	
Instrument:	FID_F	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	10052929	78.254	300	ug/ml
Aliphatic C12-C16	6.834	10.268	9671226	73.482	200	ug/ml
Aliphatic C16-C21	10.269	13.635	17483288	129.148	300	ug/ml
Aliphatic C21-C28	13.636	17.299	22908555	173.185	400	ug/ml
Aliphatic C28-C40	17.300	22.199	29231387	270.293	600	ug/ml
Aliphatic EPH	3.210	22.199	89347385	724.361		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	4427027	39.01		ug/ml
Aliphatic C9-C28	3.210	17.299	60115998	454.069	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
 Data File : FF015697.D
 Signal(s) : FID2B.ch
 Acq On : 20 Mar 2025 13:00
 Operator : YP\AJ
 Sample : PB167231BS
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 PB167231BS

Integration File: autoint1.e
 Quant Time: Mar 20 14:14:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:31:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.370	4427027	39.007 ug/ml
Spiked Amount 50.000		Recovery =	78.01%
Target Compounds			
1) T n-Nonane (C9)	3.310	2761330	21.801 ug/ml
2) T n-Decane (C10)	4.565	3363186	26.190 ug/ml
4) T n-Dodecane (C12)	6.732	3928413	30.145 ug/ml
6) T n-Tetradecane (C14)	8.559	4524068	34.934 ug/ml
7) T n-Hexadecane (C16)	10.167	5147158	38.491 ug/ml
8) T n-Octadecane (C18)	11.612	5564510	40.409 ug/ml
10) T n-Eicosane (C20)	12.923	6022661	44.687 ug/ml
11) T n-Heneicosane (C21)	13.536	5896117	44.117 ug/ml
13) T n-Docosane (C22)	14.123	5920972	44.247 ug/ml
14) T n-Tetracosane (C24)	15.228	5815226	43.438 ug/ml
15) T n-Hexacosane (C26)	16.250	5670822	43.359 ug/ml
16) T n-Octacosane (C28)	17.202	5501535	42.115 ug/ml
17) T n-Tricontane (C30)	18.090	5433269	40.291 ug/ml
18) T n-Dotriacontane (C32)	18.923	5269562	40.410 ug/ml
19) T n-Tetratriacontane (C34)	19.707	5072571	43.455 ug/ml
20) T n-Hexatriacontane (C36)	20.448	4768994	48.041 ug/ml
21) T n-Octatriacontane (C38)	21.185	4538590	51.946 ug/ml
22) T n-Tetracontane (C40)	22.099	4148401	51.691 ug/ml

(f)=RT Delta > 1/2 Window

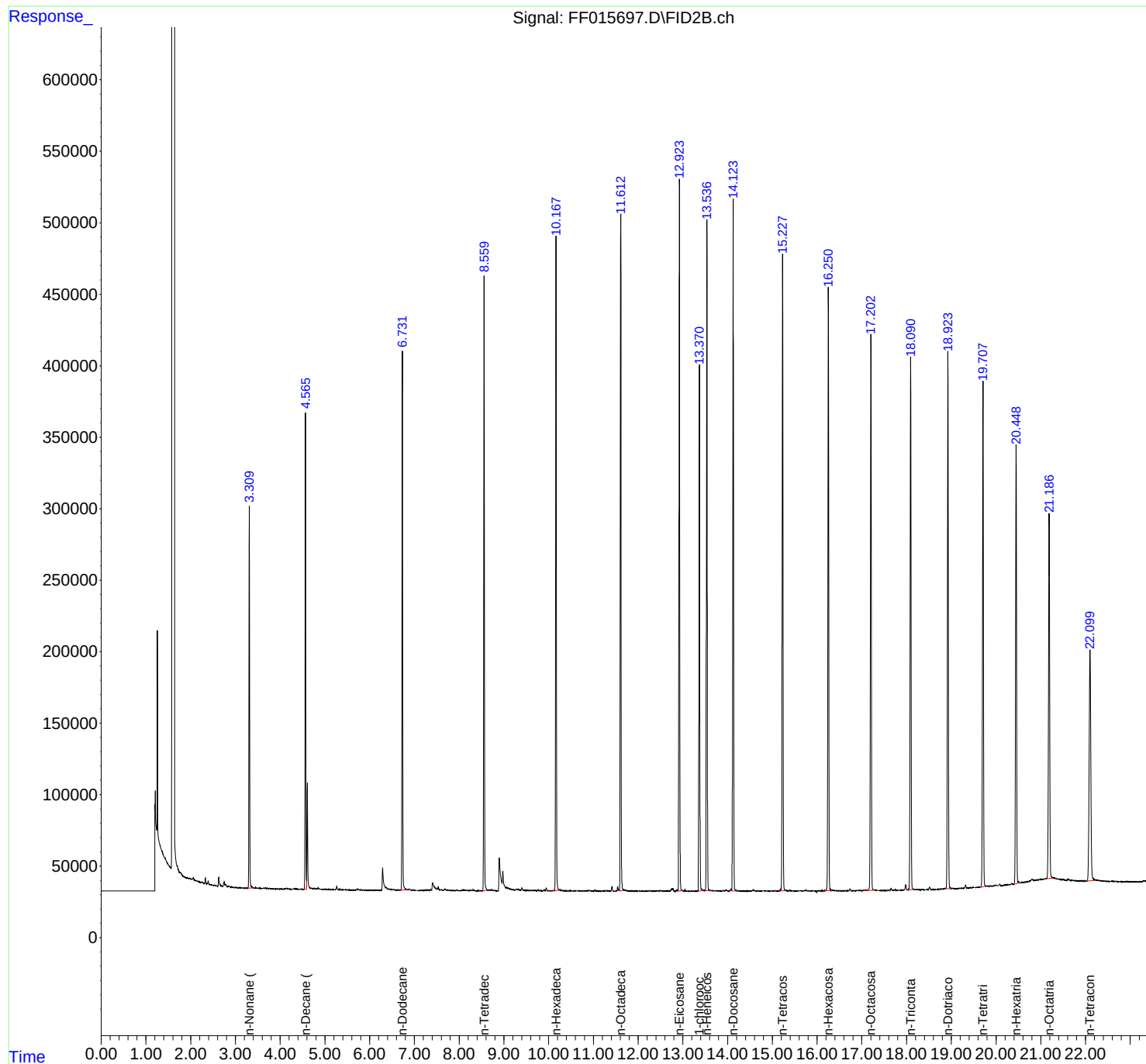
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015697.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 13:00
Operator : YP\AJ
Sample : PB167231BS
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167231BS

Integration File: autoint1.e
Quant Time: Mar 20 14:14:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 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_F\Data\FF032025AL\
 Data File : FF015697.D
 Signal(s) : FID2B.ch
 Acq On : 20 Mar 2025 13:00
 Sample : PB167231BS
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.310	3.268	3.405	BB	264736	2761330	45.85%	2.945%
2	4.565	4.528	4.590	BV	331151	3363186	55.84%	3.586%
3	6.732	6.698	6.841	BB	376182	3928413	65.23%	4.189%
4	8.559	8.525	8.638	BB	425108	4524068	75.12%	4.824%
5	10.167	10.058	10.258	BB	456654	5147158	85.46%	5.489%
6	11.612	11.571	11.695	BV	471622	5564510	92.39%	5.934%
7	12.923	12.884	13.005	PB	501239	6022661	100.00%	6.422%
8	13.370	13.328	13.465	BB	368308	4427027	73.51%	4.721%
9	13.536	13.495	13.618	BB	469495	5896117	97.90%	6.288%
10	14.123	14.088	14.218	VB	479404	5920972	98.31%	6.314%
11	15.228	15.138	15.308	BB	444063	5815226	96.56%	6.201%
12	16.250	16.161	16.331	BB	421795	5670822	94.16%	6.047%
13	17.202	17.041	17.278	BB	388133	5501535	91.35%	5.867%
14	18.090	18.021	18.171	BB	373487	5433269	90.21%	5.794%
15	18.923	18.875	19.011	BB	375622	5269562	87.50%	5.619%
16	19.707	19.651	19.775	BB	354127	5072571	84.22%	5.409%
17	20.448	20.401	20.538	BB	307511	4768994	79.18%	5.086%
18	21.185	21.121	21.285	BB	254771	4538590	75.36%	4.840%
19	22.099	22.021	22.241	BB	161100	4148401	68.88%	4.424%
Sum of corrected areas:							93774411	

Aliphatic EPH 031725.M Fri Mar 21 07:35:19 2025

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	PB167231BS	SDG No.:	Q1574
Lab Sample ID:	PB167231BS	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
FG015514.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.68		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.25		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.9		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	26.3		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.5		40 - 140	101%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	39.1		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.7		40 - 140	85%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167231BS	Acq On:	20 Mar 2025 13:00
Client Sample ID:	PB167231BS	Operator:	YP\AJ
Data file:	FG015514.D	Misc:	
Instrument:	FID_G	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.457	6.336	7407727	55.283	200	ug/ml
Aromatic C12-C16	6.337	9.043	14923993	108.814	300	ug/ml
Aromatic C16-C21	9.044	13.372	31178925	223.648	500	ug/ml
Aromatic C21-C36	13.373	18.832	51378805	394.633	800	ug/ml
Aromatic EPH	4.457	18.832	104889450	782.379		ug/ml
2-Bromonaphthalene (SURR)	7.967	7.967	6169474	50.51		ug/ml
2-Fluorobiphenyl (SURR)	8.844	8.844	3230344	39.08		ug/ml
ortho-Terphenyl (SURR)	11.919	11.919	6231904	42.73		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
 Data File : FG015514.D
 Signal(s) : FID1A.ch
 Acq On : 20 Mar 2025 13:00
 Operator : YP\AJ
 Sample : PB167231BS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 PB167231BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/21/2025
 Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
 Quant Time: Mar 21 01:06:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:13:04 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...	7.967	6169474	50.505 ug/ml
Spiked Amount 50.000		Recovery =	101.01%
6) S 2-Fluorobiphenyl (SURR)	8.844	3230344	39.081 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	78.16%
11) S ortho-Terphenyl (SURR)	11.919	6231904	42.734 ug/ml
Spiked Amount 50.000		Recovery =	85.47%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.556	3244584	24.416 ug/ml
2) T Naphthalene (C11.7)	6.235	4163143	30.814 ug/ml
3) T 2-Methylnaphthalene (...)	7.336	4192405	31.429 ug/ml
5) T Acenaphthylene (C15.06)	8.643	5281759	37.293 ug/ml
7) T Acenaphthene (C15.5)	8.944	5449829	39.945 ug/ml
8) T Fluorene (C16.55)	9.737	5851559	41.916 ug/ml
9) T Phenanthrene (C19.36)	11.149	6241326	44.302 ug/ml
10) T Anthracene (C19.43)	11.225	6246958	45.651 ug/ml
12) T Fluoranthene (C21.85)	12.977	6536753	45.838 ug/mlm
13) T Pyrene (C20.8)	13.277	6621600	47.191 ug/ml
14) T Benzo[a]anthracene (C...	15.164	6639455	48.952 ug/ml
15) T Chrysene (C27.41)	15.209	7448991	53.210 ug/ml
16) T benzo[b]fluoranthene ...	16.729	6530952	49.424 ug/ml
17) T Bnezo[k]fluoranthene ...	16.764	6501707	47.619 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.111	6244407	49.795 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.488	6293938	56.569 ug/ml
20) T Dibenz[a,h]anthracene...	18.525	5911171	45.937 ug/ml
21) T Benzo[g,h,i]perylene ...	18.744	5808184	48.606 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015514.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 13:00
Operator : YP\AJ
Sample : PB167231BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :

FID_G

ClientSampleId :

PB167231BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 01:06:50 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 05:13:04 2025

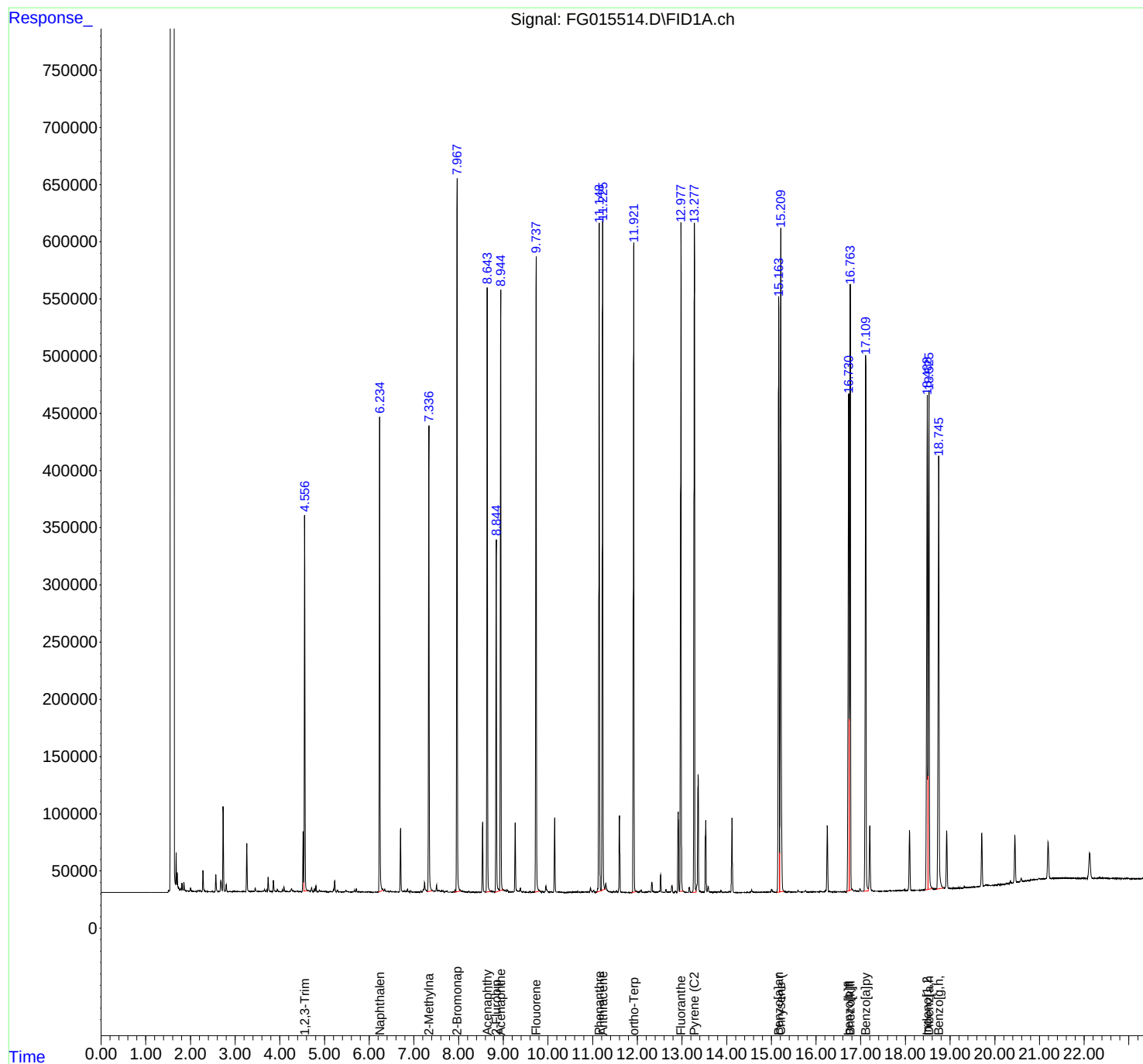
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rteres

Instrument :

FID_G

ClientSampleId :

PB167231BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03202
Data File : FG015514.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 13:00
Sample : PB167231BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.556	4.537	4.615	VB	328048	3244584	43.56%	2.692%
2	6.235	6.204	6.315	BB	414763	4163143	55.89%	3.454%
3	7.336	7.300	7.419	BB	403920	4192405	56.28%	3.479%
4	7.967	7.900	8.047	BB	622299	6169474	82.82%	5.119%
5	8.643	8.609	8.717	BB	525835	5281759	70.91%	4.382%
6	8.844	8.812	8.912	BV	307770	3230344	43.37%	2.680%
7	8.944	8.912	9.004	VB	524493	5449829	73.16%	4.522%
8	9.737	9.699	9.812	BB	552979	5851559	78.56%	4.855%
9	11.149	11.094	11.192	BV	583162	6241326	83.79%	5.179%
10	11.225	11.192	11.277	PV	584166	6246958	83.86%	5.183%
11	11.919	11.864	11.974	BB	568069	6231904	83.66%	5.171%
12	12.977	12.930	13.037	BB	577644	6217482	83.47%	5.159%
13	13.277	13.225	13.312	BV	587719	6621600	88.89%	5.494%
14	15.164	15.119	15.184	BV	518972	6639455	89.13%	5.509%
15	15.209	15.184	15.284	VB	579263	7448991	100.00%	6.181%
16	16.729	16.680	16.744	BV	433474	6530952	87.68%	5.419%
17	16.764	16.744	16.802	VB	529261	6501707	87.28%	5.395%
18	17.111	17.060	17.170	BV	468662	6244407	83.83%	5.181%
19	18.488	18.440	18.503	BV	425879	6293938	84.49%	5.222%
20	18.525	18.503	18.604	VB	435334	5911171	79.36%	4.905%
21	18.744	18.689	18.847	BB	372404	5808184	77.97%	4.819%
Sum of corrected areas:						120521173		

Aromatic EPH 031725.M Fri Mar 21 01:45:39 2025

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	PB167231BSD	SDG No.:	Q1574
Lab Sample ID:	PB167231BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/19/25 15:00	03/20/25 13:29	PB167231

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.24		1	0.14	1.00	mg/kg FF015698.D
Aliphatic C12-C16	Aliphatic C12-C16	4.93		1	0.11	0.67	mg/kg FF015698.D
Aliphatic C16-C21	Aliphatic C16-C21	8.66		1	0.13	1.00	mg/kg FF015698.D
Aliphatic C21-C28	Aliphatic C21-C28	11.6		1	0.53	1.33	mg/kg FF015698.D
Aliphatic C28-C40	Aliphatic C28-C40	18.5		1	1.18	2.00	mg/kg FF015698.D
Aromatic C10-C12	Aromatic C10-C12	4.26		1	0.12	0.67	mg/kg FG015515.D
Aromatic C12-C16	Aromatic C12-C16	8.37		1	0.23	1.00	mg/kg FG015515.D
Aromatic C16-C21	Aromatic C16-C21	17.2		1	0.40	1.67	mg/kg FG015515.D
Aromatic C21-C36	Aromatic C21-C36	30.7		1	1.19	2.67	mg/kg FG015515.D
Total AliphaticEPH	Total AliphaticEPH	48.9			2.09	6.00	mg/kg
Total AromaticEPH	Total AromaticEPH	60.5			1.94	6.01	mg/kg
Total EPH	Total EPH	109			4.03	12.0	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	PB167231BSD	SDG No.:	Q1574
Lab Sample ID:	PB167231BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015698.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.24		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.93		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.66		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.6		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.3		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167231BSD	Acq On:	20 Mar 2025 13:29
Client Sample ID:	PB167231BSD	Operator:	YP\AJ
Data file:	FF015698.D	Misc:	
Instrument:	FID_F	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	10101372	78.631	300	ug/ml
Aliphatic C12-C16	6.834	10.268	9730415	73.931	200	ug/ml
Aliphatic C16-C21	10.269	13.635	17588777	129.927	300	ug/ml
Aliphatic C21-C28	13.636	17.299	23085719	174.524	400	ug/ml
Aliphatic C28-C40	17.300	22.199	30053377	277.894	600	ug/ml
Aliphatic EPH	3.210	22.199	90559660	734.907		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	4460553	39.3		ug/ml
Aliphatic C9-C28	3.210	17.299	60506283	457.013	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
 Data File : FF015698.D
 Signal(s) : FID2B.ch
 Acq On : 20 Mar 2025 13:29
 Operator : YP\AJ
 Sample : PB167231BSD
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 PB167231BSD

Integration File: autoint1.e
 Quant Time: Mar 20 14:15:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:31:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.371	4460553	39.303 ug/ml
Spiked Amount 50.000		Recovery =	78.61%
Target Compounds			
1) T n-Nonane (C9)	3.311	2774878	21.908 ug/ml
2) T n-Decane (C10)	4.567	3377593	26.302 ug/ml
4) T n-Dodecane (C12)	6.733	3948901	30.302 ug/ml
6) T n-Tetradecane (C14)	8.561	4541545	35.068 ug/ml
7) T n-Hexadecane (C16)	10.169	5188870	38.803 ug/ml
8) T n-Octadecane (C18)	11.613	5593688	40.621 ug/ml
10) T n-Eicosane (C20)	12.924	6061809	44.978 ug/ml
11) T n-Heneicosane (C21)	13.538	5933280	44.395 ug/ml
13) T n-Docosane (C22)	14.124	5959437	44.534 ug/ml
14) T n-Tetracosane (C24)	15.229	5861216	43.782 ug/ml
15) T n-Hexacosane (C26)	16.250	5710500	43.662 ug/ml
16) T n-Octacosane (C28)	17.202	5554566	42.521 ug/ml
17) T n-Tricontane (C30)	18.090	5491642	40.723 ug/ml
18) T n-Dotriacontane (C32)	18.924	5344920	40.988 ug/ml
19) T n-Tetratriacontane (C34)	19.708	5155898	44.169 ug/ml
20) T n-Hexatriacontane (C36)	20.449	4877562	49.135 ug/ml
21) T n-Octatriacontane (C38)	21.186	4691543	53.696 ug/ml
22) T n-Tetracontane (C40)	22.101	4491812	55.970 ug/ml

(f)=RT Delta > 1/2 Window

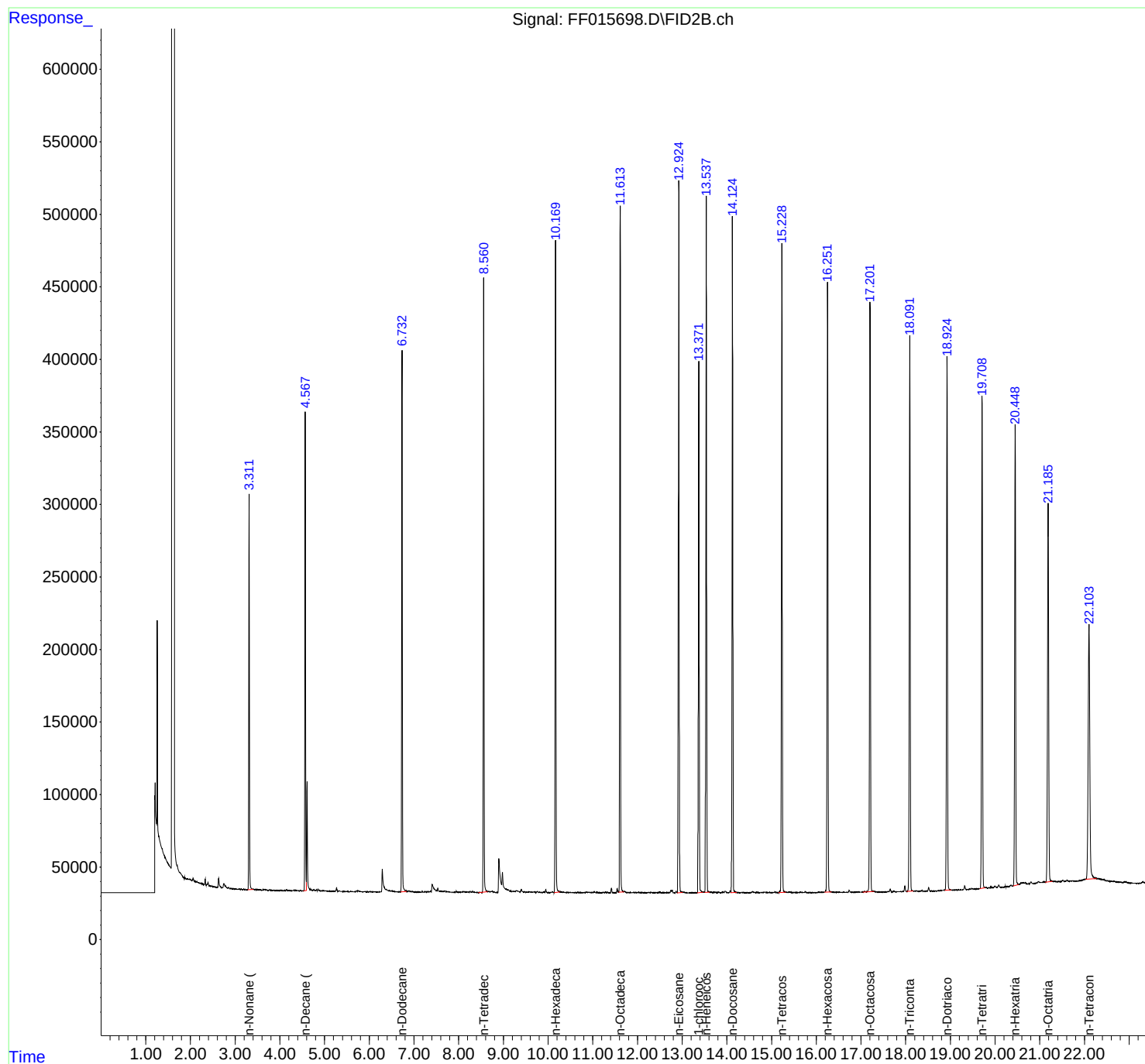
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015698.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 13:29
Operator : YP\AJ
Sample : PB167231BSD
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167231BSD

Integration File: autoint1.e
Quant Time: Mar 20 14:15:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 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_F\Data\FF032025AL\
 Data File : FF015698.D
 Signal(s) : FID2B.ch
 Acq On : 20 Mar 2025 13:29
 Sample : PB167231BSD
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	3.311	3.278	3.408	BB	271220	2774878	45.78%	2.920%
2	4.567	4.528	4.591	BV	329225	3377593	55.72%	3.555%
3	6.733	6.698	6.842	BB	372560	3948901	65.14%	4.156%
4	8.561	8.445	8.645	BB	423074	4541545	74.92%	4.780%
5	10.169	10.135	10.268	BB	450004	5188870	85.60%	5.461%
6	11.613	11.575	11.695	BV	473942	5593688	92.28%	5.887%
7	12.924	12.886	13.012	PB	492886	6061809	100.00%	6.379%
8	13.371	13.332	13.465	BB	367575	4460553	73.58%	4.694%
9	13.538	13.498	13.618	BB	480398	5933280	97.88%	6.244%
10	14.124	14.087	14.218	VB	466731	5959437	98.31%	6.272%
11	15.229	15.155	15.318	BB	447387	5861216	96.69%	6.168%
12	16.251	16.185	16.342	BB	422195	5710500	94.20%	6.010%
13	17.202	17.038	17.292	BB	406252	5554566	91.63%	5.846%
14	18.090	18.022	18.168	BB	384552	5491642	90.59%	5.779%
15	18.924	18.872	19.015	BB	368534	5344920	88.17%	5.625%
16	19.708	19.658	19.778	BB	339989	5155898	85.06%	5.426%
17	20.449	20.402	20.532	BB	317946	4877562	80.46%	5.133%
18	21.186	21.122	21.288	BB	260158	4691543	77.40%	4.937%
19	22.101	22.022	22.272	BB	176045	4491812	74.10%	4.727%
Sum of corrected areas:						95020214		

Aliphatic EPH 031725.M Fri Mar 21 07:35:44 2025

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	PB167231BSD	SDG No.:	Q1574
Lab Sample ID:	PB167231BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015515.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.26		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.37		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	17.2		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	30.7		1.19	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	58.2		40 - 140	116%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	45.1		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.2		40 - 140	98%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167231BSD	Acq On:	20 Mar 2025 13:29
Client Sample ID:	PB167231BSD	Operator:	YP\AJ
Data file:	FG015515.D	Misc:	
Instrument:	FID_G	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.457	6.336	8557929	63.867	200	ug/ml
Aromatic C12-C16	6.337	9.043	17215774	125.524	300	ug/ml
Aromatic C16-C21	9.044	13.372	36034067	258.475	500	ug/ml
Aromatic C21-C36	13.373	18.832	59878364	459.917	800	ug/ml
Aromatic EPH	4.457	18.832	121686134	907.782		ug/ml
2-Bromonaphthalene (SURR)	7.969	7.969	7111822	58.22		ug/ml
2-Fluorobiphenyl (SURR)	8.846	8.846	3730134	45.13		ug/ml
ortho-Terphenyl (SURR)	11.920	11.920	7173187	49.19		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
 Data File : FG015515.D
 Signal(s) : FID1A.ch
 Acq On : 20 Mar 2025 13:29
 Operator : YP\AJ
 Sample : PB167231BSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :

FID_G

ClientSampleId :

PB167231BSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 01:07:02 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 05:13:04 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...	7.969	7111822	58.220 ug/ml
Spiked Amount 50.000		Recovery =	116.44%
6) S 2-Fluorobiphenyl (SURR)	8.846	3730134	45.128 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	90.26%
11) S ortho-Terphenyl (SURR)	11.920	7173187	49.189 ug/ml
Spiked Amount 50.000		Recovery =	98.38%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.559	3738655	28.134 ug/ml
2) T Naphthalene (C11.7)	6.236	4819274	35.670 ug/ml
3) T 2-Methylnaphthalene (...)	7.338	4844624	36.319 ug/ml
5) T Acenaphthylene (C15.06)	8.644	6090797	43.005 ug/ml
7) T Acenaphthene (C15.5)	8.946	6280353	46.032 ug/ml
8) T Fluorene (C16.55)	9.738	6750437	48.354 ug/ml
9) T Phenanthrene (C19.36)	11.150	7213552	51.202 ug/ml
10) T Anthracene (C19.43)	11.226	7226733	52.811 ug/ml
12) T Fluoranthene (C21.85)	12.978	7559648	53.011 ug/mlm
13) T Pyrene (C20.8)	13.279	7656077	54.564 ug/ml
14) T Benzo[a]anthracene (C...	15.166	7727506	56.974 ug/ml
15) T Chrysene (C27.41)	15.211	8631506	61.657 ug/ml
16) T benzo[b]fluoranthene ...	16.730	7592471	57.458 ug/ml
17) T Bnezo[k]fluoranthene ...	16.766	7592053	55.604 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.112	7275153	58.015 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.491	7435241	66.827 ug/ml
20) T Dibenz[a,h]anthracene...	18.528	6843925	53.185 ug/ml
21) T Benzo[g,h,i]perylene ...	18.748	6780509	56.743 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015515.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 13:29
Operator : YP\AJ
Sample : PB167231BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :

FID_G

ClientSampleId :

PB167231BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 01:07:02 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 05:13:04 2025

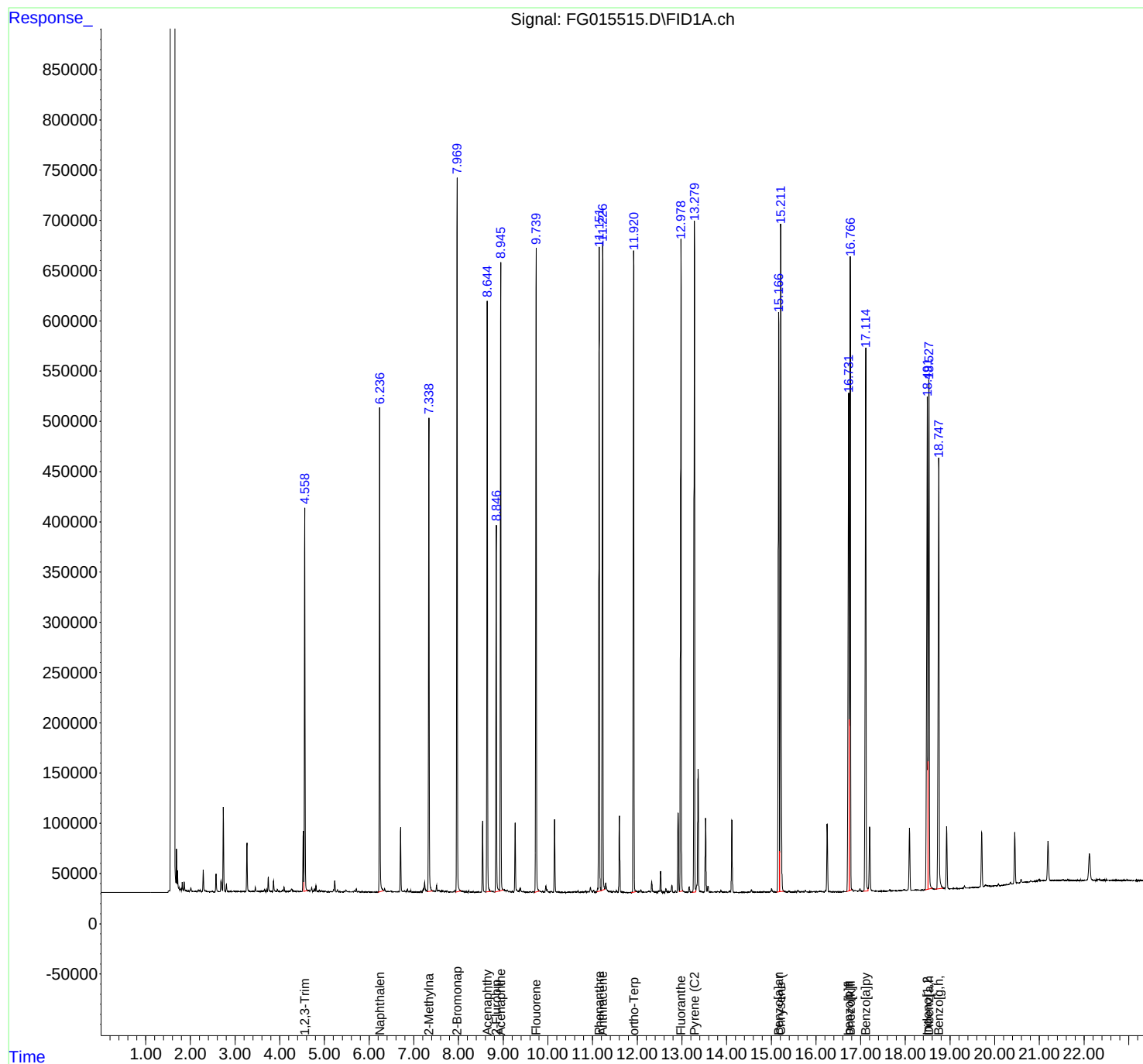
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rteres

Instrument :

FID_G

ClientSampleId :

PB167231BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03202
Data File : FG015515.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 13:29
Sample : PB167231BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.559	4.539	4.616	VB	379530	3738655	43.31%	2.676%
2	6.236	6.204	6.321	BB	482057	4819274	55.83%	3.450%
3	7.338	7.301	7.422	BB	470403	4844624	56.13%	3.468%
4	7.969	7.939	8.047	PB	712264	7111822	82.39%	5.091%
5	8.644	8.611	8.722	BB	587011	6090797	70.56%	4.360%
6	8.846	8.807	8.916	BV	364183	3730134	43.22%	2.670%
7	8.946	8.916	9.006	VB	626275	6280353	72.76%	4.496%
8	9.738	9.702	9.814	BB	645975	6750437	78.21%	4.832%
9	11.150	11.094	11.192	BV	639614	7213552	83.57%	5.164%
10	11.226	11.192	11.276	PV	646059	7226733	83.73%	5.173%
11	11.920	11.861	11.974	BB	639829	7173187	83.10%	5.135%
12	12.978	12.931	13.042	BB	637982	7187268	83.27%	5.145%
13	13.279	13.226	13.311	BV	671517	7656077	88.70%	5.480%
14	15.166	15.119	15.185	BV	574958	7727506	89.53%	5.531%
15	15.211	15.185	15.284	VB	665516	8631506	100.00%	6.179%
16	16.730	16.681	16.746	BV	494429	7592471	87.96%	5.435%
17	16.766	16.746	16.801	VB	626269	7592053	87.96%	5.434%
18	17.112	17.061	17.166	BV	534473	7275153	84.29%	5.208%
19	18.491	18.441	18.506	BV	492177	7435241	86.14%	5.322%
20	18.528	18.506	18.599	VB	508260	6843925	79.29%	4.899%
21	18.748	18.666	18.847	BB	427999	6780509	78.56%	4.854%
Sum of corrected areas:						139701276		

Aromatic EPH 031725.M Fri Mar 21 01:47:08 2025

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	WC1MS	SDG No.:	Q1574
Lab Sample ID:	Q1574-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98
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
FG015518.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	10.1		0.12	0.68	mg/kg
Aromatic C12-C16	Aromatic C12-C16	16.5		0.23	1.02	mg/kg
Aromatic C16-C21	Aromatic C16-C21	18.9		0.41	1.70	mg/kg
Aromatic C21-C36	Aromatic C21-C36	6990	E	1.21	2.72	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.7		40 - 140	111%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	48.0		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.2		40 - 140	60%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1574-01MS	Acq On:	20 Mar 2025 14:58
Client Sample ID:	WC1MS	Operator:	YP\AJ
Data file:	FG015518.D	Misc:	
Instrument:	FID_G	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.457	6.336	19817022	147.892	200	ug/ml
Aromatic C12-C16	6.337	9.043	33206872	242.118	300	ug/ml
Aromatic C16-C21	9.044	13.372	38701468	277.608	500	ug/ml
Aromatic C21-C36	13.373	18.832	13388749142	103000	800	ug/ml
Aromatic EPH	4.457	18.832	13480474504	104000		ug/ml
2-Bromonaphthalene (SURRE)	7.971	7.971	6800885	55.67		ug/ml
2-Fluorobiphenyl (SURRE)	8.849	8.849	3971661	48.05		ug/ml
ortho-Terphenyl (SURRE)	11.937	11.937	4406350	30.22		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
 Data File : FG015518.D
 Signal(s) : FID1A.ch
 Acq On : 20 Mar 2025 14:58
 Operator : YP\AJ
 Sample : Q1574-01MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 WC1MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/21/2025
 Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
 Quant Time: Mar 21 01:32:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:13:04 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...	7.971	6800885	55.674 ug/ml
Spiked Amount 50.000		Recovery =	111.35%
6) S 2-Fluorobiphenyl (SURR)	8.849	3971661	48.050 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	96.10%
11) S ortho-Terphenyl (SURR)	11.937	4406350	30.216 ug/mlm
Spiked Amount 50.000		Recovery =	60.43%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.559	3385291	25.475 ug/ml
2) T Naphthalene (C11.7)	6.239	5169699	38.264 ug/ml
3) T 2-Methylnaphthalene (...)	7.341	5599588	41.978 ug/ml
5) T Acenaphthylene (C15.06)	8.647	4847241	34.225 ug/ml
7) T Acenaphthene (C15.5)	8.948	5062017	37.102 ug/ml
8) T Flouorene (C16.55)	9.739	2517075	18.030 ug/mlm
9) T Phenanthrene (C19.36)	11.155	2557925	18.156 ug/ml
10) T Anthracene (C19.43)	11.216	8436571	61.652 ug/ml
12) T Fluoranthene (C21.85)	12.959	2878219	20.183 ug/mlm
13) T Pyrene (C20.8)	13.308	2469974	17.603 ug/mlm
14) T Benzo[a]anthracene (C...	15.203	7240035	53.380 ug/mlm
15) T Chrysene (C27.41)	15.253	16494793	117.827 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	18.466	54567891	490.450 ug/mlm
20) T Dibenz[a,h]anthracene...	18.515	23783457	184.824 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.755	3102695	25.965 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015518.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 14:58
Operator : YP\AJ
Sample : Q1574-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

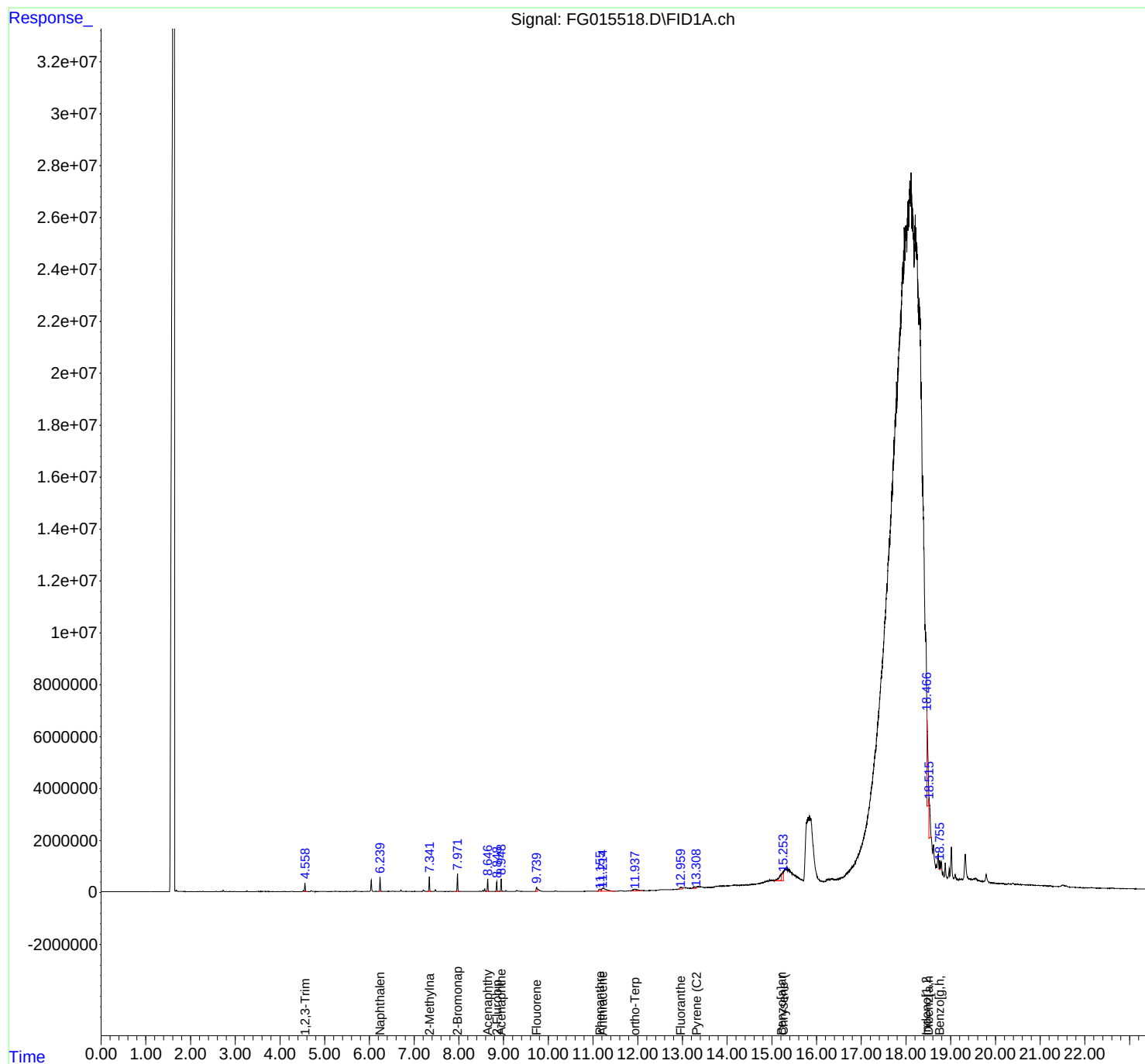
Instrument :
FID_G
ClientSampleId :
WC1MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 21 01:32:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 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_G

ClientSampleId :

WC1MS

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03202

Data File : FG015518.D

Signal(s) : FID1A.ch

Acq On : 20 Mar 2025 14:58

Sample : Q1574-01MS

Misc :

ALS Vial : 26 Sample Multiplier: 1

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M

Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.288	4.274	4.344	PV	3051	14632	0.00%	0.000%
2	4.354	4.344	4.375	PV	256	1958	0.00%	0.000%
3	4.386	4.375	4.396	PV	207	1402	0.00%	0.000%
4	4.414	4.396	4.445	VV	551	9104	0.00%	0.000%
5	4.464	4.445	4.497	VV	1064	18705	0.00%	0.000%
6	4.524	4.497	4.539	VV	42042	423773	0.01%	0.003%
7	4.559	4.539	4.591	VV	341629	3409185	0.06%	0.025%
8	4.599	4.591	4.617	VV	2743	34194	0.00%	0.000%
9	4.635	4.617	4.669	VV	3277	64776	0.00%	0.000%
10	4.693	4.669	4.763	VV	39300	820743	0.01%	0.006%
11	4.777	4.763	4.793	VV	6773	94762	0.00%	0.001%
12	4.810	4.793	4.830	PV	7829	101927	0.00%	0.001%
13	4.844	4.830	4.865	VV	3001	47046	0.00%	0.000%
14	4.893	4.865	4.927	VV	12319	217693	0.00%	0.002%
15	4.944	4.927	4.970	VV	7235	125829	0.00%	0.001%
16	4.989	4.970	5.008	VV	3440	70521	0.00%	0.001%
17	5.026	5.008	5.058	VV	11976	162999	0.00%	0.001%
18	5.082	5.058	5.094	VV	2366	42534	0.00%	0.000%
19	5.107	5.094	5.123	VV	3704	47327	0.00%	0.000%
20	5.139	5.123	5.155	VV	2446	39433	0.00%	0.000%
21	5.180	5.155	5.212	VV	6236	134287	0.00%	0.001%
22	5.230	5.212	5.263	VV	20003	312261	0.01%	0.002%
23	5.280	5.263	5.301	VV	8520	147399	0.00%	0.001%
24	5.314	5.301	5.333	VV	9718	113641	0.00%	0.001%
25	5.347	5.333	5.360	VV	3362	39747	0.00%	0.000%
26	5.373	5.360	5.400	VV	3378	58277	0.00%	0.000%
27	5.415	5.400	5.451	VV	2820	55937	0.00%	0.000%
28	5.471	5.451	5.500	VV	13954	168386	0.00%	0.001%
29	5.524	5.500	5.563	VV	7279	129082	0.00%	0.001%
30	5.577	5.563	5.585	VV	2400	25165	0.00%	0.000%
31	5.612	5.585	5.644	VV	4546	102989	0.00%	0.001%
32	5.663	5.644	5.679	VV	22682	261072	0.00%	0.002%
33	5.696	5.679	5.723	VV	32920	404318	0.01%	0.003%
34	5.750	5.723	5.815	VV	8469	226637	0.00%	0.002%
35	5.827	5.815	5.844	VV	2316	28965	0.00%	0.000%
36	5.862	5.844	5.880	VV	4921	68348	0.00%	0.001%

					retention			
37	5.893	5.880	5.904	VV	5006	57363	0.00%	0.000%
38	5.913	5.904	5.936	VV	4068	62020	0.00%	0.000%
39	5.959	5.936	5.973	VV	13624	164014	0.00%	0.000%
40	5.985	5.973	6.000	VV	10482	123547	0.00%	0.000%
41	6.042	6.000	6.107	VV	444914	5296383	0.00%	0.000%
42	6.112	6.107	6.126	VV	5327	53550	0.00%	0.000%
43	6.146	6.126	6.170	VV	11972	193915	0.00%	0.001%
44	6.205	6.170	6.216	VV	9413	189212	0.00%	0.001%
45	6.239	6.216	6.269	VV	558868	5436418	0.10%	0.040%
46	6.280	6.269	6.322	VV	12498	242642	0.00%	0.002%
47	6.350	6.322	6.367	VV	10396	162068	0.00%	0.001%
48	6.404	6.367	6.415	VV	12209	251076	0.00%	0.002%
49	6.427	6.415	6.434	VV	12152	126988	0.00%	0.001%
50	6.443	6.434	6.462	VV	12660	172744	0.00%	0.001%
51	6.513	6.462	6.554	VV	20299	678388	0.01%	0.005%
52	6.571	6.554	6.605	VV	11564	235445	0.00%	0.002%
53	6.620	6.605	6.632	VV	7833	97613	0.00%	0.001%
54	6.644	6.632	6.669	VV	6507	110423	0.00%	0.001%
55	6.705	6.669	6.755	VV	59906	905079	0.02%	0.007%
56	6.768	6.755	6.772	VV	3838	34206	0.00%	0.000%
57	6.817	6.772	6.839	VV	11445	298121	0.01%	0.002%
58	6.856	6.839	6.887	VV	7397	144661	0.00%	0.001%
59	6.905	6.887	6.922	VV	5338	80975	0.00%	0.001%
60	6.934	6.922	6.953	VV	3791	47432	0.00%	0.000%
61	6.987	6.953	7.012	VV	7299	119178	0.00%	0.001%
62	7.053	7.012	7.082	VV	4651	99268	0.00%	0.001%
63	7.088	7.082	7.097	VV	1410	12023	0.00%	0.000%
64	7.112	7.097	7.118	VV	2931	28946	0.00%	0.000%
65	7.143	7.118	7.177	VV	4532	99414	0.00%	0.001%
66	7.207	7.177	7.232	VV	68397	957343	0.02%	0.007%
67	7.241	7.232	7.267	VV	23829	304210	0.01%	0.002%
68	7.281	7.267	7.292	VV	6071	82519	0.00%	0.001%
69	7.297	7.292	7.309	VV	4631	39482	0.00%	0.000%
70	7.341	7.309	7.415	VV	577792	5883759	0.10%	0.044%
71	7.433	7.415	7.451	VV	6385	101605	0.00%	0.001%
72	7.477	7.451	7.501	VV	78412	879680	0.02%	0.007%
73	7.514	7.501	7.535	VV	10385	164194	0.00%	0.001%
74	7.541	7.535	7.560	VV	5227	64765	0.00%	0.000%
75	7.566	7.560	7.582	VV	3014	34129	0.00%	0.000%
76	7.591	7.582	7.605	VV	2087	26800	0.00%	0.000%
77	7.622	7.605	7.640	VV	4392	62225	0.00%	0.000%
78	7.656	7.640	7.680	VV	3433	46423	0.00%	0.000%
79	7.692	7.680	7.700	VV	678	7269	0.00%	0.000%
80	7.730	7.700	7.766	VV	4665	84003	0.00%	0.001%
81	7.783	7.766	7.791	VV	1501	15321	0.00%	0.000%
82	7.811	7.791	7.858	VV	16382	207192	0.00%	0.002%
83	7.887	7.858	7.910	VV	3258	53703	0.00%	0.000%
84	7.923	7.910	7.934	VV	2171	24095	0.00%	0.000%
85	7.972	7.934	8.026	VV	690367	6874039	0.12%	0.051%
86	8.038	8.026	8.058	VV	2441	33665	0.00%	0.000%
87	8.083	8.058	8.098	VV	6297	87043	0.00%	0.001%
88	8.105	8.098	8.129	VV	3658	45152	0.00%	0.000%
89	8.156	8.129	8.172	VV	1494	31654	0.00%	0.000%

Instrument :

FID_G

ClientSampleId :

WC1MS

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 03/24/2025

90	8.187	8.172	8.205	VV	1555	20067	0.00%	0.000%
91	8.243	8.205	8.273	VV	5018	97143		
92	8.291	8.273	8.305	VV	2459	33893		
93	8.316	8.305	8.323	VV	2336	22383		
94	8.341	8.323	8.349	VV	7223	78738		
95	8.355	8.349	8.371	VV	6878	70864		
96	8.379	8.371	8.404	VV	3780	46881	0.00%	0.000%
97	8.432	8.404	8.445	VV	7077	104561	0.00%	0.001%
98	8.461	8.445	8.474	VV	14089	160802	0.00%	0.001%
99	8.487	8.474	8.509	VV	11919	139244	0.00%	0.001%
100	8.543	8.509	8.561	VV	54502	603045	0.01%	0.004%
101	8.580	8.561	8.605	VV	113264	1163471	0.02%	0.009%
102	8.647	8.605	8.687	VV	471033	4944942	0.09%	0.037%
103	8.702	8.687	8.722	VV	4088	60165	0.00%	0.000%
104	8.738	8.722	8.760	VV	4889	63550	0.00%	0.000%
105	8.779	8.760	8.818	VV	3892	63858	0.00%	0.000%
106	8.849	8.818	8.883	PV	379955	3996384	0.07%	0.030%
107	8.904	8.883	8.921	VV	13064	157021	0.00%	0.001%
108	8.949	8.921	8.968	VV	495024	5118323	0.09%	0.038%
109	8.977	8.968	9.000	VV	24257	302965	0.01%	0.002%
110	9.015	9.000	9.029	VV	9554	140638	0.00%	0.001%
111	9.051	9.029	9.080	VV	39618	517926	0.01%	0.004%
112	9.088	9.080	9.105	VV	4584	67762	0.00%	0.001%
113	9.121	9.105	9.161	VV	8905	166334	0.00%	0.001%
114	9.166	9.161	9.169	VV	2263	10897	0.00%	0.000%
115	9.190	9.169	9.207	VV	4164	66030	0.00%	0.000%
116	9.225	9.207	9.252	VV	6555	97818	0.00%	0.001%
117	9.293	9.252	9.379	VV	43284	1289772	0.02%	0.010%
118	9.399	9.379	9.446	VV	9861	238950	0.00%	0.002%
119	9.465	9.446	9.502	VV	3171	65061	0.00%	0.000%
120	9.517	9.502	9.536	VV	2592	30383	0.00%	0.000%
121	9.552	9.536	9.578	VV	1483	16963	0.00%	0.000%
122	9.606	9.578	9.639	VV	666	13658	0.00%	0.000%
123	9.658	9.639	9.692	PV	931	13865	0.00%	0.000%
124	9.739	9.692	9.940	VV	165977	5357200	0.09%	0.040%
125	9.984	9.940	10.008	VV	4342	138538	0.00%	0.001%
126	10.032	10.008	10.070	VV	4063	132938	0.00%	0.001%
127	10.089	10.070	10.127	VV	4094	123323	0.00%	0.001%
128	10.170	10.127	10.271	VV	20450	662386	0.01%	0.005%
129	10.276	10.271	10.279	VV	430	1663	0.00%	0.000%
130	10.294	10.279	10.300	VV	492	5291	0.00%	0.000%
131	10.350	10.300	10.366	VV	496	16668	0.00%	0.000%
132	10.373	10.366	10.385	VV	388	3623	0.00%	0.000%
133	10.394	10.385	10.409	VV	315	2362	0.00%	0.000%
134	10.434	10.409	10.439	PV	230	2165	0.00%	0.000%
135	10.503	10.439	10.507	PV	498	9827	0.00%	0.000%
136	10.511	10.507	10.515	VV	471	1698	0.00%	0.000%
137	10.630	10.515	10.652	VV	1588	74241	0.00%	0.001%
138	10.675	10.652	10.715	VV	2001	52833	0.00%	0.000%
139	10.733	10.715	10.743	VV	991	14650	0.00%	0.000%
140	10.749	10.743	10.753	VV	766	3903	0.00%	0.000%
141	10.759	10.753	10.771	VV	729	6551	0.00%	0.000%

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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 03/24/2025

					rters			
142	10.843	10.771	10.849	VV	3115	96343	0.00%	0.001%
143	10.871	10.849	10.875	VV	3063	46713		
144	10.882	10.875	10.890	VV	3093	25555		
145	10.913	10.890	10.927	VV	2732	56784		
146	10.949	10.927	10.958	VV	2865	48013		
147	10.982	10.958	10.995	VV	3269	63550		
148	11.003	10.995	11.022	VV	2962	39022	0.00%	0.000%
149	11.030	11.022	11.055	VV	2524	38763	0.00%	0.000%
150	11.060	11.055	11.087	VV	1657	24399	0.00%	0.000%
151	11.091	11.087	11.098	VV	977	5342	0.00%	0.000%
152	11.155	11.098	11.188	VV	80926	2794088	0.05%	0.021%
153	11.214	11.188	11.495	VV	116443	8336629	0.15%	0.062%
154	11.502	11.495	11.507	VV	671	2321	0.00%	0.000%
155	11.622	11.507	11.700	PV	16169	625168	0.01%	0.005%
156	11.709	11.700	11.720	VV	621	5903	0.00%	0.000%
157	11.724	11.720	11.727	VV	808	1710	0.00%	0.000%
158	11.735	11.727	11.741	VV	516	2750	0.00%	0.000%
159	11.826	11.741	11.864	PV	7656	383206	0.01%	0.003%
160	11.912	11.864	11.917	VV	55270	1091191	0.02%	0.008%
161	11.937	11.917	12.105	VV	60760	3610042	0.06%	0.027%
162	12.115	12.105	12.158	VV	7742	182994	0.00%	0.001%
163	12.165	12.158	12.170	VV	3557	21339	0.00%	0.000%
164	12.172	12.170	12.182	VV	3117	17036	0.00%	0.000%
165	12.191	12.182	12.212	VV	2534	19453	0.00%	0.000%
166	12.261	12.212	12.267	PV	715	4018	0.00%	0.000%
167	12.330	12.267	12.337	PV	2314	72357	0.00%	0.001%
168	12.349	12.337	12.364	VV	2318	26301	0.00%	0.000%
169	12.374	12.364	12.378	VV	1420	9593	0.00%	0.000%
170	12.409	12.378	12.413	PV	2297	25249	0.00%	0.000%
171	12.421	12.413	12.427	VV	1145	7009	0.00%	0.000%
172	12.453	12.427	12.460	VV	2436	19097	0.00%	0.000%
173	12.515	12.460	12.531	VV	19520	550711	0.01%	0.004%
174	12.537	12.531	12.549	VV	18762	184159	0.00%	0.001%
175	12.555	12.549	12.582	VV	15707	290029	0.01%	0.002%
176	12.587	12.582	12.597	VV	14090	111798	0.00%	0.001%
177	12.603	12.597	12.612	VV	12834	106990	0.00%	0.001%
178	12.616	12.612	12.620	VV	11740	54508	0.00%	0.000%
179	12.629	12.620	12.634	VV	10410	80401	0.00%	0.001%
180	12.641	12.634	12.657	VV	10345	118675	0.00%	0.001%
181	12.665	12.657	12.675	VV	7986	73765	0.00%	0.001%
182	12.680	12.675	12.687	VV	6108	36772	0.00%	0.000%
183	12.690	12.687	12.700	VV	3989	26576	0.00%	0.000%
184	12.717	12.700	12.723	VV	3182	34364	0.00%	0.000%
185	12.734	12.723	12.739	VV	2546	17647	0.00%	0.000%
186	12.804	12.739	12.809	VV	2875	39114	0.00%	0.000%
187	12.871	12.809	12.875	VV	6622	118933	0.00%	0.001%
188	12.965	12.875	12.989	VV	75035	2828657	0.05%	0.021%
189	12.991	12.989	13.019	VV	66135	1091306	0.02%	0.008%
190	13.030	13.019	13.104	VV	58962	2592420	0.05%	0.019%
191	13.109	13.104	13.114	VV	42532	234358	0.00%	0.002%
192	13.119	13.114	13.128	VV	38086	292592	0.01%	0.002%
193	13.132	13.128	13.147	VV	32161	348520	0.01%	0.003%
194	13.151	13.147	13.160	VV	29783	208524	0.00%	0.002%

Instrument :

FID_G

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195	13.164	13.160	13.177	VV	23714	222024	0.00%	0.002%
196	13.180	13.177	13.209	VV	21753	363589		
197	13.285	13.209	13.292	VV	65035	2568963		
198	13.297	13.292	13.311	VV	64825	715706		
199	13.357	13.311	13.363	VV	69062	2093192		
200	13.377	13.363	13.393	VV	71193	1213721		
201	13.398	13.393	13.426	VV	65495	1187578	0.02%	0.009%
202	13.431	13.426	13.484	VV	54325	1464726	0.03%	0.011%
203	13.488	13.484	13.493	VV	31208	174798	0.00%	0.001%
204	13.501	13.493	13.510	VV	32085	284707	0.00%	0.002%
205	13.516	13.510	13.542	VV	31458	566868	0.01%	0.004%
206	13.565	13.542	13.619	VV	34443	1425343	0.02%	0.011%
207	13.625	13.619	13.642	VV	27606	354455	0.01%	0.003%
208	13.648	13.642	13.652	VV	27065	146578	0.00%	0.001%
209	13.667	13.652	13.672	VV	28881	300369	0.01%	0.002%
210	13.698	13.672	13.702	VV	30338	499131	0.01%	0.004%
211	13.776	13.702	13.780	VV	59959	2259791	0.04%	0.017%
212	13.836	13.780	13.847	VV	64939	2389694	0.04%	0.018%
213	13.860	13.847	13.865	VV	60779	654962	0.01%	0.005%
214	13.869	13.865	13.889	VV	60722	804814	0.01%	0.006%
215	13.894	13.889	13.902	VV	60929	459895	0.01%	0.003%
216	13.908	13.902	13.917	VV	57954	485001	0.01%	0.004%
217	13.922	13.917	13.927	VV	58461	336149	0.01%	0.002%
218	13.935	13.927	13.940	VV	56934	432620	0.01%	0.003%
219	13.977	13.940	13.997	VV	59657	1882342	0.03%	0.014%
220	14.009	13.997	14.015	VV	56075	600576	0.01%	0.004%
221	14.018	14.015	14.024	VV	56204	278265	0.00%	0.002%
222	14.037	14.024	14.049	VV	56421	843391	0.01%	0.006%
223	14.068	14.049	14.072	VV	58240	764991	0.01%	0.006%
224	14.098	14.072	14.107	VV	66387	1228293	0.02%	0.009%
225	14.153	14.107	14.182	VV	75342	3113999	0.05%	0.023%
226	14.187	14.182	14.193	VV	68263	457832	0.01%	0.003%
227	14.199	14.193	14.210	VV	66018	630619	0.01%	0.005%
228	14.221	14.210	14.239	VV	63612	1051551	0.02%	0.008%
229	14.283	14.239	14.289	VV	63167	1799024	0.03%	0.013%
230	14.293	14.289	14.296	VV	60101	259964	0.00%	0.002%
231	14.323	14.296	14.335	VV	62220	1388846	0.02%	0.010%
232	14.353	14.335	14.368	VV	62824	1197519	0.02%	0.009%
233	14.385	14.368	14.395	VV	65529	982488	0.02%	0.007%
234	14.437	14.395	14.444	VV	65618	1767875	0.03%	0.013%
235	14.489	14.444	14.499	VV	67898	2063725	0.04%	0.015%
236	14.591	14.499	14.598	VV	80663	4265183	0.07%	0.032%
237	14.627	14.598	14.635	VV	85624	1757005	0.03%	0.013%
238	14.909	14.635	14.918	VV	186286	20685875	0.36%	0.153%
239	14.948	14.918	14.980	VV	208063	7347153	0.13%	0.054%
240	14.989	14.980	14.995	VV	199942	1740055	0.03%	0.013%
241	15.011	14.995	15.060	VV	207952	7574497	0.13%	0.056%
242	15.325	15.060	15.504	VV	630430	113100307	1.98%	0.838%
243	15.510	15.504	15.699	VV	357299	28931469	0.51%	0.214%
244	15.804	15.699	15.820	VV	2563701	116412535	2.04%	0.862%
245	15.831	15.820	16.158	VV	2558419	186366498	3.26%	1.380%
246	16.167	16.158	16.184	VV	71514	1031841	0.02%	0.008%

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WC1MS

Manual IntegrationsAPPROVED

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rteres							
247	16.236	16.184	16.250	VV	129469	4094475	0.07% 0.030%
248	16.342	16.250	16.397	VV	151152	12345454	
249	16.409	16.397	16.419	VV	133397	1663088	
250	16.428	16.419	16.434	VV	124936	1068905	
251	16.449	16.434	16.458	VV	126238	1799063	
252	17.928	16.458	17.937	VV	23598054	5716984897	
253	17.961	17.937	17.975	VV	24792490	549675325	9.61% 4.072%
254	18.000	17.975	18.018	VV	25137601	638569848	11.17% 4.730%
255	18.049	18.018	18.057	VV	25945332	595978428	10.42% 4.415%
256	18.082	18.057	18.104	VV	26879968	733253278	12.83% 5.431%
257	18.114	18.104	18.185	VV	27200409	1247700803	21.82% 9.242%
258	18.205	18.185	18.282	VV	25517709	1376770389	24.08% 10.198%
259	18.295	18.282	18.592	VV	22393211	1895710237	33.16% 14.042%
260	18.613	18.592	18.689	VV	1301822	44026119	0.77% 0.326%
261	18.718	18.689	18.740	VV	931380	20181629	0.35% 0.149%
262	18.754	18.740	18.769	VV	697781	8989550	0.16% 0.067%
263	18.791	18.769	18.810	VV	598782	11288083	0.20% 0.084%
264	18.826	18.810	18.850	VV	217864	3684653	0.06% 0.027%
265	18.877	18.850	18.929	VV	593786	8550979	0.15% 0.063%
266	18.967	18.929	18.980	PV	316640	3668927	0.06% 0.027%
Sum of corrected areas: 13500327930							

Instrument :

FID_G

ClientSampleId :

WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Aromatic EPH 031725.M Fri Mar 21 01:53:52 2025

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Ave L		Date Received:		
Client Sample ID:	WC1MS		SDG No.:	Q1574	
Lab Sample ID:	Q1574-01MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	98	
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
03/19/25 15:00	03/20/25 14:58	PB167231

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	8.80		1	0.14	1.02	mg/kg FF015701.D
Aliphatic C12-C16	Aliphatic C12-C16	7.47		1	0.11	0.68	mg/kg FF015701.D
Aliphatic C16-C21	Aliphatic C16-C21	71.8	E	1	0.13	1.02	mg/kg FF015701.D
Aliphatic C21-C28	Aliphatic C21-C28	867	E	1	0.54	1.36	mg/kg FF015701.D
Aliphatic C28-C40	Aliphatic C28-C40	1140	E	1	1.20	2.04	mg/kg FF015701.D
Aromatic C10-C12	Aromatic C10-C12	10.1		1	0.12	0.68	mg/kg FG015518.D
Aromatic C12-C16	Aromatic C12-C16	16.5		1	0.23	1.02	mg/kg FG015518.D
Aromatic C16-C21	Aromatic C16-C21	18.9		1	0.41	1.70	mg/kg FG015518.D
Aromatic C21-C36	Aromatic C21-C36	6990	E	1	1.21	2.72	mg/kg FG015518.D
Total AliphaticEPH	Total AliphaticEPH	2090			2.13	6.12	mg/kg
Total AromaticEPH	Total AromaticEPH	7030			1.97	6.12	mg/kg
Total EPH	Total EPH	9130			4.10	12.2	mg/kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	WC1MS	SDG No.:	Q1574
Lab Sample ID:	Q1574-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98
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
FF015701.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.80		0.14	1.02	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.47		0.11	0.68	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	71.8	E	0.13	1.02	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	867	E	0.54	1.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1140	E	1.20	2.04	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.6		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1574-01MS	Acq On:	20 Mar 2025 14:58
Client Sample ID:	WC1MS	Operator:	YP\AJ
Data file:	FF015701.D	Misc:	
Instrument:	FID_F	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	16632418	129.47	300	ug/ml
Aliphatic C12-C16	6.834	10.268	14462435	109.885	200	ug/ml
Aliphatic C16-C21	10.269	13.635	142999105	1060	300	ug/ml
Aliphatic C21-C28	13.636	17.299	1689105930	12800	400	ug/ml
Aliphatic C28-C40	17.300	22.199	1809379549	16700	600	ug/ml
Aliphatic EPH	3.210	22.199	3672579437	30800		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.380	13.380	4949834	43.61		ug/ml
Aliphatic C9-C28	3.210	17.299	1863199888	14100	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
 Data File : FF015701.D
 Signal(s) : FID2B.ch
 Acq On : 20 Mar 2025 14:58
 Operator : YP\AJ
 Sample : Q1574-01MS
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 WC1MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/21/2025
 Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
 Quant Time: Mar 21 00:16:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:31:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.380	4949834	43.614 ug/mlm
Spiked Amount 50.000		Recovery =	87.23%
Target Compounds			
1) T n-Nonane (C9)	3.311	2298235	18.145 ug/ml
2) T n-Decane (C10)	4.567	3086917	24.038 ug/ml
4) T n-Dodecane (C12)	6.734	4203757	32.257 ug/ml
6) T n-Tetradecane (C14)	8.562	4668957	36.052 ug/ml
7) T n-Hexadecane (C16)	10.170	4797433	35.876 ug/ml
8) T n-Octadecane (C18)	11.614	5085264	36.929 ug/ml
10) T n-Eicosane (C20)	12.931	5315123	39.437 ug/ml
11) T n-Heneicosane (C21)	13.549	4427098	33.126 ug/mlm
13) T n-Docosane (C22)	14.142	4860642	36.323 ug/mlm
14) T n-Tetracosane (C24)	15.256	6498588	48.543 ug/mlm
15) T n-Hexacosane (C26)	16.284	5400042	41.288 ug/mlm
16) T n-Octacosane (C28)	17.243	5708777	43.701 ug/mlm
17) T n-Tricontane (C30)	18.130	4435401	32.891 ug/mlm
18) T n-Dotriacontane (C32)	18.955	5026766	38.548 ug/mlm
19) T n-Tetratriacontane (C34)	19.737	5852980	50.140 ug/mlm
20) T n-Hexatriacontane (C36)	20.473	3796915	38.249 ug/mlm
21) T n-Octatriacontane (C38)	21.210	3847371	44.034 ug/mlm
22) T n-Tetracontane (C40)	22.125	4506427	56.152 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015701.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 14:58
Operator : YP\AJ
Sample : Q1574-01MS
Misc :
ALS Vial : 76 Sample Multiplier: 1

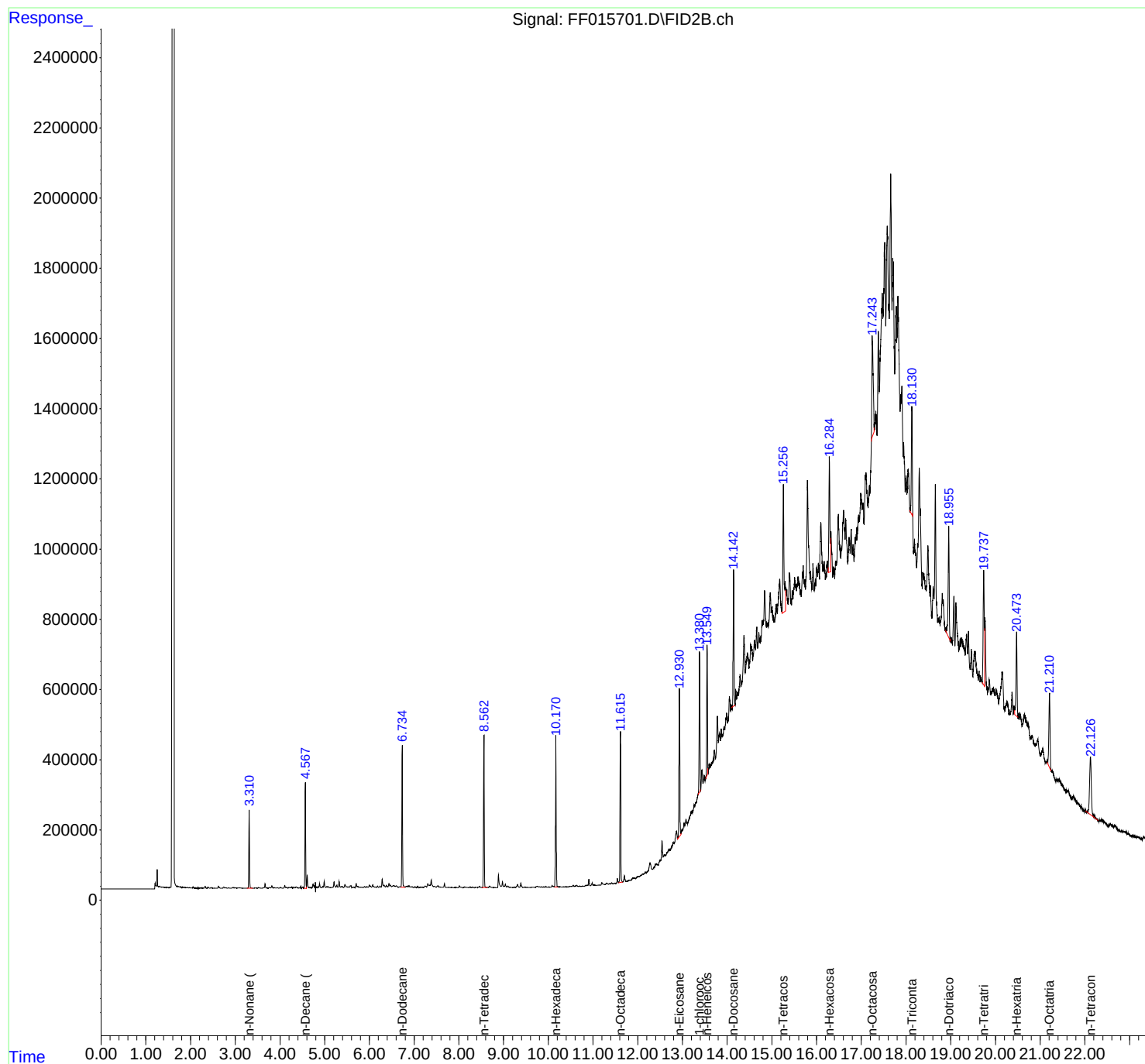
Instrument :
FID_F
ClientSampleId :
WC1MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 21 00:16:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Instrument :

FID_F

ClientSampleId :

WC1MS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF03202
Data File : FF015701.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 14:58
Sample : Q1574-01MS
Misc :
ALS Vial : 76 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	2.851	2.801	2.911	BV	1601	19131	0.02%	0.001%
2	2.947	2.911	2.968	PV	1995	34110	0.03%	0.001%
3	2.980	2.968	2.993	VV	1190	15399	0.01%	0.000%
4	3.011	2.993	3.038	VV	1445	28006	0.03%	0.001%
5	3.091	3.038	3.151	VV	1589	62035	0.06%	0.002%
6	3.167	3.151	3.210	VV	574	10524	0.01%	0.000%
7	3.236	3.210	3.253	PV	344	3698	0.00%	0.000%
8	3.311	3.253	3.395	VV	222404	2310225	2.17%	0.063%
9	3.455	3.395	3.473	VV	1086	29050	0.03%	0.001%
10	3.484	3.473	3.500	VV	661	8206	0.01%	0.000%
11	3.521	3.500	3.541	VV	2353	30946	0.03%	0.001%
12	3.554	3.541	3.585	VV	948	15796	0.01%	0.000%
13	3.594	3.585	3.607	VV	433	4674	0.00%	0.000%
14	3.629	3.607	3.641	VV	1745	22268	0.02%	0.001%
15	3.667	3.641	3.691	VV	12982	145917	0.14%	0.004%
16	3.703	3.691	3.726	VV	1089	17389	0.02%	0.000%
17	3.734	3.726	3.745	VV	497	5107	0.00%	0.000%
18	3.764	3.745	3.787	VV	2469	39592	0.04%	0.001%
19	3.819	3.787	3.854	VV	7421	110627	0.10%	0.003%
20	3.871	3.854	3.927	VV	1988	48945	0.05%	0.001%
21	3.947	3.927	3.974	VV	1666	23722	0.02%	0.001%
22	4.007	3.974	4.056	VV	1768	38569	0.04%	0.001%
23	4.108	4.056	4.128	VV	8068	96889	0.09%	0.003%
24	4.143	4.128	4.182	VV	2465	50053	0.05%	0.001%
25	4.217	4.182	4.239	VV	2142	51839	0.05%	0.001%
26	4.259	4.239	4.285	VV	3118	50103	0.05%	0.001%
27	4.310	4.285	4.338	VV	3599	67740	0.06%	0.002%
28	4.366	4.338	4.415	VV	3394	80484	0.08%	0.002%
29	4.462	4.415	4.488	VV	3506	58359	0.05%	0.002%
30	4.509	4.488	4.536	VV	2674	44912	0.04%	0.001%
31	4.567	4.536	4.592	VV	301628	3066929	2.88%	0.083%
32	4.609	4.592	4.669	VV	37829	443053	0.42%	0.012%
33	4.689	4.669	4.711	VV	1621	32626	0.03%	0.001%
34	4.740	4.711	4.808	VV	11790	267031	0.25%	0.007%
35	4.817	4.808	4.833	VV	2993	37443	0.04%	0.001%
36	4.851	4.833	4.866	VV	4827	60703	0.06%	0.002%

rteres									
37	4.886	4.866	4.937	VV	12897	191326	0.18%	0.005%	
38	4.957	4.937	4.970	VV	5695	70340			
39	4.990	4.970	5.020	VV	19299	247491			
40	5.049	5.020	5.062	VV	4712	81506			
41	5.075	5.062	5.105	VV	4591	72696			
42	5.121	5.105	5.138	VV	1961	31389			
43	5.154	5.138	5.163	VV	1705	22876	0.02%	0.001%	
44	5.209	5.163	5.251	VV	17974	316197	0.30%	0.009%	
45	5.271	5.251	5.293	VV	8568	128697	0.12%	0.003%	
46	5.325	5.293	5.353	VV	18370	258874	0.24%	0.007%	
47	5.369	5.353	5.378	VV	4220	52716	0.05%	0.001%	
48	5.391	5.378	5.418	VV	4318	77963	0.07%	0.002%	
49	5.454	5.418	5.483	VV	10493	200301	0.19%	0.005%	
50	5.495	5.483	5.512	VV	3845	59377	0.06%	0.002%	
51	5.523	5.512	5.551	VV	3541	65858	0.06%	0.002%	
52	5.576	5.551	5.623	VV	6743	177998	0.17%	0.005%	
53	5.644	5.623	5.662	VV	3300	49927	0.05%	0.001%	
54	5.705	5.662	5.729	VV	13209	208095	0.20%	0.006%	
55	5.743	5.729	5.766	VV	5366	81267	0.08%	0.002%	
56	5.782	5.766	5.812	VV	2863	63501	0.06%	0.002%	
57	5.826	5.812	5.842	VV	2541	38727	0.04%	0.001%	
58	5.853	5.842	5.866	VV	2142	26812	0.03%	0.001%	
59	5.890	5.866	5.918	VV	4393	92068	0.09%	0.002%	
60	5.951	5.918	5.978	VV	3501	101962	0.10%	0.003%	
61	5.999	5.978	6.048	VV	8684	204807	0.19%	0.006%	
62	6.074	6.048	6.092	VV	9232	144583	0.14%	0.004%	
63	6.101	6.092	6.125	VV	4384	64670	0.06%	0.002%	
64	6.136	6.125	6.162	VV	3180	56530	0.05%	0.002%	
65	6.182	6.162	6.207	VV	5610	88012	0.08%	0.002%	
66	6.238	6.207	6.261	VV	5599	109076	0.10%	0.003%	
67	6.287	6.261	6.311	VV	25234	359560	0.34%	0.010%	
68	6.322	6.311	6.358	VV	7783	170355	0.16%	0.005%	
69	6.380	6.358	6.413	VV	7660	156851	0.15%	0.004%	
70	6.439	6.413	6.457	VV	12531	202763	0.19%	0.005%	
71	6.471	6.457	6.497	VV	8323	147186	0.14%	0.004%	
72	6.535	6.497	6.582	VV	7254	276846	0.26%	0.008%	
73	6.603	6.582	6.645	VV	6637	170818	0.16%	0.005%	
74	6.681	6.645	6.703	VV	3342	100005	0.09%	0.003%	
75	6.734	6.703	6.800	VV	407821	4320158	4.06%	0.117%	
76	6.822	6.800	6.837	VV	4848	79339	0.07%	0.002%	
77	6.852	6.837	6.869	VV	5232	79572	0.07%	0.002%	
78	6.886	6.869	6.910	VV	7273	110977	0.10%	0.003%	
79	6.922	6.910	6.936	VV	3271	44753	0.04%	0.001%	
80	6.960	6.936	6.991	VV	3557	80187	0.08%	0.002%	
81	7.022	6.991	7.045	VV	3676	71355	0.07%	0.002%	
82	7.066	7.045	7.078	VV	2362	37361	0.04%	0.001%	
83	7.095	7.078	7.115	VV	2374	40993	0.04%	0.001%	
84	7.129	7.115	7.137	VV	1493	16622	0.02%	0.000%	
85	7.164	7.137	7.177	VV	2216	41090	0.04%	0.001%	
86	7.188	7.177	7.210	VV	1914	32483	0.03%	0.001%	
87	7.247	7.210	7.282	VV	5530	148309	0.14%	0.004%	
88	7.306	7.282	7.336	VV	11864	258873	0.24%	0.007%	
89	7.351	7.336	7.363	VV	7912	115866	0.11%	0.003%	

Instrument :

FID_F

ClientSampleId :

WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

90	7.384	7.363	7.432	VV	22475	427800	0.40%	0.012%
91	7.451	7.432	7.496	VV	4835	132868		
92	7.531	7.496	7.608	VV	5695	214450		
93	7.621	7.608	7.654	VV	2012	51815		
94	7.680	7.654	7.722	VV	12274	170481		
95	7.740	7.722	7.755	VV	1229	21817		
96	7.772	7.755	7.802	VV	1715	34779	0.03%	0.001%
97	7.814	7.802	7.828	VV	1049	14780	0.01%	0.000%
98	7.854	7.828	7.879	VV	1599	30867	0.03%	0.001%
99	7.897	7.879	7.907	VV	733	9465	0.01%	0.000%
100	7.916	7.907	7.926	VV	710	8162	0.01%	0.000%
101	7.943	7.926	7.963	VV	1708	21072	0.02%	0.001%
102	7.970	7.963	7.981	VV	347	2879	0.00%	0.000%
103	8.013	7.981	8.098	VV	5635	126167	0.12%	0.003%
104	8.137	8.098	8.155	VV	1925	48004	0.05%	0.001%
105	8.161	8.155	8.192	VV	1576	24462	0.02%	0.001%
106	8.208	8.192	8.228	VV	1216	17917	0.02%	0.000%
107	8.253	8.228	8.276	VV	2782	37147	0.03%	0.001%
108	8.309	8.276	8.333	VV	2460	40978	0.04%	0.001%
109	8.348	8.333	8.361	VV	975	12458	0.01%	0.000%
110	8.379	8.361	8.413	VV	1750	30267	0.03%	0.001%
111	8.467	8.413	8.494	VV	4302	96042	0.09%	0.003%
112	8.504	8.494	8.528	VV	933	15041	0.01%	0.000%
113	8.562	8.528	8.641	VV	434468	4712368	4.43%	0.128%
114	8.689	8.641	8.741	VV	4806	116428	0.11%	0.003%
115	8.754	8.741	8.774	VV	915	13891	0.01%	0.000%
116	8.795	8.774	8.835	VV	999	16690	0.02%	0.000%
117	8.855	8.835	8.863	PV	132	1124	0.00%	0.000%
118	8.887	8.863	8.943	VV	36249	587691	0.55%	0.016%
119	8.978	8.943	9.021	VV	16870	310306	0.29%	0.008%
120	9.041	9.021	9.068	VV	10272	159561	0.15%	0.004%
121	9.100	9.068	9.139	VV	4467	106756	0.10%	0.003%
122	9.156	9.139	9.186	VV	1350	27192	0.03%	0.001%
123	9.216	9.186	9.238	VV	854	20485	0.02%	0.001%
124	9.314	9.238	9.360	VV	9198	200328	0.19%	0.005%
125	9.388	9.360	9.450	VV	13039	204678	0.19%	0.006%
126	9.476	9.450	9.508	VV	1921	32244	0.03%	0.001%
127	9.522	9.508	9.551	VV	608	8663	0.01%	0.000%
128	9.647	9.551	9.658	PV	865	27216	0.03%	0.001%
129	9.688	9.658	9.708	VV	1013	23423	0.02%	0.001%
130	9.758	9.708	9.789	VV	3410	99821	0.09%	0.003%
131	9.805	9.789	9.822	VV	2016	30725	0.03%	0.001%
132	9.849	9.822	9.874	VV	1600	36301	0.03%	0.001%
133	9.895	9.874	9.931	VV	1746	32626	0.03%	0.001%
134	9.948	9.931	9.976	VV	3280	37013	0.03%	0.001%
135	10.005	9.976	10.052	PV	919	21787	0.02%	0.001%
136	10.088	10.052	10.103	VV	4728	58968	0.06%	0.002%
137	10.111	10.103	10.135	VV	3056	39405	0.04%	0.001%
138	10.170	10.135	10.215	VV	434517	4828466	4.53%	0.131%
139	10.235	10.215	10.257	VV	1371	25280	0.02%	0.001%
140	10.268	10.257	10.313	VV	847	14840	0.01%	0.000%
141	10.342	10.313	10.361	VV	615	9466	0.01%	0.000%

Instrument :

FID_F

ClientSampleId :

WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

142	10.381	10.361	10.390	VV	385	5324	0.01%	0.000%
143	10.408	10.390	10.428	VV	387	5113	0.01%	0.000%
144	10.447	10.428	10.465	PV	746	9172	0.01%	0.000%
145	10.487	10.465	10.529	VV	2063	45217	0.01%	0.000%
146	10.558	10.529	10.581	VV	4720	72532	0.07%	0.002%
147	10.604	10.581	10.618	VV	2391	38540	0.02%	0.001%
148	10.637	10.618	10.681	VV	3978	72537	0.02%	0.001%
149	10.703	10.681	10.738	VV	1556	21439	0.02%	0.001%
150	10.764	10.738	10.782	PV	1301	17171	0.02%	0.000%
151	10.835	10.782	10.852	VV	2657	48068	0.05%	0.001%
152	10.873	10.852	10.885	VV	3340	48340	0.05%	0.001%
153	10.908	10.885	10.945	VV	19164	244330	0.23%	0.007%
154	10.980	10.945	11.007	VV	8534	137099	0.13%	0.004%
155	11.035	11.007	11.068	VV	2431	51051	0.05%	0.001%
156	11.088	11.068	11.111	VV	970	18172	0.02%	0.000%
157	11.132	11.111	11.174	VV	1077	24835	0.02%	0.001%
158	11.197	11.174	11.219	PV	7588	102762	0.10%	0.003%
159	11.229	11.219	11.265	VV	3031	56223	0.05%	0.002%
160	11.308	11.265	11.347	VV	4695	124633	0.12%	0.003%
161	11.363	11.347	11.378	VV	2525	33586	0.03%	0.001%
162	11.417	11.378	11.451	VV	4675	92760	0.09%	0.003%
163	11.478	11.451	11.493	VV	2368	45703	0.04%	0.001%
164	11.545	11.493	11.569	VV	15994	257018	0.24%	0.007%
165	11.614	11.569	11.666	VV	434818	5288835	4.97%	0.143%
166	11.703	11.666	11.747	VV	21898	464525	0.44%	0.013%
167	11.774	11.747	11.783	VV	6174	119484	0.11%	0.003%
168	11.809	11.783	11.829	VV	7709	181270	0.17%	0.005%
169	11.889	11.829	11.926	VV	13126	604200	0.57%	0.016%
170	11.936	11.926	11.955	VV	12403	198019	0.19%	0.005%
171	12.010	11.955	12.028	VV	16657	631627	0.59%	0.017%
172	12.076	12.028	12.084	VV	18690	573213	0.54%	0.016%
173	12.106	12.084	12.117	VV	22362	416353	0.39%	0.011%
174	12.131	12.117	12.141	VV	21828	307935	0.29%	0.008%
175	12.169	12.141	12.191	VV	26051	736078	0.69%	0.020%
176	12.280	12.191	12.328	VV	50786	2965790	2.79%	0.080%
177	12.415	12.328	12.461	VV	46686	3314790	3.11%	0.090%
178	12.542	12.461	12.568	VV	111989	4236596	3.98%	0.115%
179	12.598	12.568	12.613	VV	71106	1841802	1.73%	0.050%
180	12.652	12.613	12.663	VV	77329	2176697	2.04%	0.059%
181	12.712	12.663	12.728	VV	85876	3235578	3.04%	0.088%
182	12.792	12.728	12.817	VV	103768	5114029	4.80%	0.139%
183	12.867	12.817	12.896	VV	136414	5702494	5.36%	0.155%
184	12.931	12.896	12.961	VV	541443	9940816	9.34%	0.269%
185	13.037	12.961	13.058	VV	154738	8229080	7.73%	0.223%
186	13.079	13.058	13.108	VV	166929	4793712	4.50%	0.130%
187	13.209	13.108	13.222	VV	189383	11807826	11.09%	0.320%
188	13.262	13.222	13.274	VV	206089	6137088	5.76%	0.166%
189	13.381	13.274	13.407	VV	641093	23167514	21.76%	0.628%
190	13.433	13.407	13.459	VV	303061	8672291	8.14%	0.235%
191	13.481	13.459	13.503	VV	287118	7405402	6.96%	0.201%
192	13.550	13.503	13.576	VV	657827	16800849	15.78%	0.455%
193	13.595	13.576	13.610	VV	317096	6354121	5.97%	0.172%
194	13.715	13.610	13.736	VV	354246	24666389	23.17%	0.668%

Instrument :

FID_F

ClientSampleId :

WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Instrument :

FID_F

ClientSampleId :

WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

					rt	Area	Height	Area%	Height%
195	13.779	13.736	13.802	VV	453346	15503796	14.56%	0.420%	
196	13.825	13.802	13.847	VV	403922	10612840			
197	13.867	13.847	13.897	VV	412494	12151486	11.11%	0.311%	
198	13.934	13.897	13.948	VV	421034	12501537	11.11%	0.311%	
199	13.986	13.948	14.007	VV	455402	15650377	14.56%	0.420%	
200	14.050	14.007	14.076	VV	500864	19293169	18.88%	0.549%	
201	14.090	14.076	14.105	VV	482000	8293522	7.79%	0.225%	
202	14.143	14.105	14.173	VV	860186	24270916	22.80%	0.658%	
203	14.192	14.173	14.210	VV	519775	11383839	10.69%	0.308%	
204	14.232	14.210	14.247	VV	515120	11283139	10.60%	0.306%	
205	14.290	14.247	14.310	VV	563046	20245750	19.01%	0.549%	
206	14.376	14.310	14.405	VV	673780	33623801	31.58%	0.911%	
207	14.451	14.405	14.485	VV	625979	28919239	27.16%	0.784%	
208	14.526	14.485	14.571	VV	646645	32261674	30.30%	0.874%	
209	14.610	14.571	14.633	VV	657855	23581894	22.15%	0.639%	
210	14.660	14.633	14.681	VV	694853	19142617	17.98%	0.519%	
211	14.708	14.681	14.725	VV	679214	17196035	16.15%	0.466%	
212	14.735	14.725	14.745	VV	662441	7785626	7.31%	0.211%	
213	14.779	14.745	14.788	VV	712769	17964954	16.87%	0.487%	
214	14.836	14.788	14.888	VV	794954	43618040	40.97%	1.182%	
215	14.897	14.888	14.923	VV	704937	14780325	13.88%	0.401%	
216	14.961	14.923	15.055	VV	787155	58151851	54.62%	1.576%	
217	15.097	15.055	15.121	VV	748792	29357254	27.57%	0.796%	
218	15.174	15.121	15.228	VV	821588	49402878	46.40%	1.339%	
219	15.256	15.228	15.284	VV	1084243	30363199	28.52%	0.823%	
220	15.296	15.284	15.361	VV	819801	36202464	34.00%	0.981%	
221	15.392	15.361	15.437	VV	843193	36020193	33.83%	0.976%	
222	15.454	15.437	15.471	VV	789356	15873403	14.91%	0.430%	
223	15.508	15.471	15.548	VV	829221	37501122	35.22%	1.016%	
224	15.591	15.548	15.632	VV	826734	40730570	38.25%	1.104%	
225	15.645	15.632	15.655	VV	790383	10584632	9.94%	0.287%	
226	15.700	15.655	15.718	VV	856832	31176252	29.28%	0.845%	
227	15.728	15.718	15.751	VV	820542	16014056	15.04%	0.434%	
228	15.795	15.751	15.852	VV	1097908	55319104	51.96%	1.499%	
229	15.862	15.852	15.891	VV	834929	19543535	18.36%	0.530%	
230	15.919	15.891	15.938	VV	855309	23017662	21.62%	0.624%	
231	16.004	15.938	16.020	VV	852155	40529014	38.06%	1.098%	
232	16.042	16.020	16.061	VV	862383	20579469	19.33%	0.558%	
233	16.094	16.061	16.155	VV	978911	50138300	47.09%	1.359%	
234	16.171	16.155	16.202	VV	866601	24171767	22.70%	0.655%	
235	16.241	16.202	16.254	VV	864478	26074662	24.49%	0.707%	
236	16.285	16.254	16.311	VV	1161055	34094015	32.02%	0.924%	
237	16.321	16.311	16.363	VV	948624	27627774	25.95%	0.749%	
238	16.380	16.363	16.403	VV	846378	20050514	18.83%	0.543%	
239	16.423	16.403	16.435	VV	862812	16053126	15.08%	0.435%	
240	16.439	16.435	16.445	VV	864829	5642167	5.30%	0.153%	
241	16.483	16.445	16.545	VV	992321	54615076	51.29%	1.480%	
242	16.599	16.545	16.636	VV	998534	51753086	48.61%	1.402%	
243	16.651	16.636	16.695	VV	980627	32957061	30.95%	0.893%	
244	16.728	16.695	16.751	VV	926315	30334388	28.49%	0.822%	
245	16.771	16.751	16.798	VV	949594	25562044	24.01%	0.693%	
246	16.814	16.798	16.838	VV	903330	21452888	20.15%	0.581%	

rteres									
247	16.892	16.838	16.905	VV	948527	36635949	34.41%	0.993%	
248	16.945	16.905	16.959	VV	990684	31672296	29.00%	0.993%	
249	16.989	16.959	17.031	VV	1047695	44084297	41.00%	0.993%	
250	17.040	17.031	17.065	VV	1021808	19908672	18.00%	0.993%	
251	17.103	17.065	17.151	VV	1111698	54705727	51.00%	0.993%	
252	17.247	17.151	17.297	VV	1474581	106474498	100.00%	0.993%	
253	17.325	17.297	17.349	VV	1276053	38924291	36.56%	1.055%	
254	17.380	17.349	17.401	VV	1505599	43193528	40.57%	1.170%	
255	17.467	17.401	17.485	VV	1617337	75044369	70.48%	2.034%	
256	17.520	17.485	17.546	VV	1755759	60182966	56.52%	1.631%	
257	17.579	17.546	17.624	VV	1806452	78474980	73.70%	2.127%	
258	17.657	17.624	17.685	VV	1946985	63552295	59.69%	1.722%	
259	17.706	17.685	17.745	VV	1708461	57409510	53.92%	1.556%	
260	17.782	17.745	17.801	VV	1568138	50396403	47.33%	1.366%	
261	17.818	17.801	17.868	VV	1598357	58455662	54.90%	1.584%	
262	17.906	17.868	17.981	VV	1341133	82936492	77.89%	2.247%	
263	18.003	17.981	18.018	VV	1087379	23438880	22.01%	0.635%	
264	18.048	18.018	18.087	VV	1105277	43834666	41.17%	1.188%	
265	18.130	18.087	18.171	VV	1285740	53133287	49.90%	1.440%	
266	18.189	18.171	18.236	VV	906990	33994722	31.93%	0.921%	
267	18.295	18.236	18.362	VV	1107841	69534329	65.31%	1.884%	
268	18.397	18.362	18.452	VV	806525	42560348	39.97%	1.153%	
269	18.491	18.452	18.533	VV	884618	39298564	36.91%	1.065%	
270	18.544	18.533	18.579	VV	771964	20065871	18.85%	0.544%	
271	18.612	18.579	18.625	VV	760015	20260220	19.03%	0.549%	
272	18.655	18.625	18.708	VV	1059924	39818255	37.40%	1.079%	
273	18.736	18.708	18.762	VV	675271	21593972	20.28%	0.585%	
274	18.809	18.762	18.896	VV	746449	55194297	51.84%	1.496%	
275	18.954	18.896	19.011	VV	933510	48080728	45.16%	1.303%	
276	19.017	19.011	19.035	VV	617374	8613214	8.09%	0.233%	
277	19.069	19.035	19.094	VV	734526	23209990	21.80%	0.629%	
278	19.117	19.094	19.178	VV	709980	32366944	30.40%	0.877%	
279	19.207	19.178	19.225	VV	611992	16712751	15.70%	0.453%	
280	19.245	19.225	19.318	VV	614708	33389894	31.36%	0.905%	
281	19.352	19.318	19.373	VV	620879	19802135	18.60%	0.537%	
282	19.395	19.373	19.440	VV	630267	22899746	21.51%	0.621%	
283	19.461	19.440	19.493	VV	575171	17345263	16.29%	0.470%	
284	19.547	19.493	19.618	VV	574609	40054877	37.62%	1.085%	
285	19.632	19.618	19.655	VV	512858	11193713	10.51%	0.303%	
286	19.664	19.655	19.700	VV	502310	13333729	12.52%	0.361%	
287	19.737	19.700	19.837	VV	802304	47110593	44.25%	1.277%	
288	19.862	19.837	19.905	VV	489984	19034546	17.88%	0.516%	
289	19.913	19.905	19.917	VV	456469	3352698	3.15%	0.091%	
290	19.939	19.917	19.951	VV	462199	9463739	8.89%	0.256%	
291	19.957	19.951	19.985	VV	465691	9136434	8.58%	0.248%	
292	20.010	19.985	20.070	VV	460710	22802492	21.42%	0.618%	
293	20.149	20.070	20.215	VV	508019	39303546	36.91%	1.065%	
294	20.261	20.215	20.298	VV	423398	20608836	19.36%	0.558%	
295	20.308	20.298	20.328	VV	397776	7068293	6.64%	0.192%	
296	20.372	20.328	20.400	VV	448865	17598241	16.53%	0.477%	
297	20.416	20.400	20.440	VV	407899	9706195	9.12%	0.263%	
298	20.472	20.440	20.504	VV	617603	18190048	17.08%	0.493%	
299	20.514	20.504	20.527	VV	385903	5301922	4.98%	0.144%	

Instrument :

FID_F

ClientSampleId :

WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

					rters				
300	20.543	20.527	20.598	VV	388794	15888129	14.92%	0.431%	
301	20.648	20.598	20.672	VV	383813	16503987	15.00%	0.431%	
302	20.681	20.672	20.703	VV	373678	6633884	6.00%	0.431%	
303	20.712	20.703	20.726	VV	354727	4954916	4.20%	0.431%	
304	20.737	20.726	20.778	VV	355052	10401850	9.00%	0.431%	
305	20.794	20.778	20.803	VV	318672	4742861	4.20%	0.431%	
306	20.818	20.803	20.874	VV	322581	13080424	12.29%	0.354%	
307	20.948	20.874	20.998	VV	308260	21730948	20.41%	0.589%	
308	21.055	20.998	21.128	VV	280729	20408341	19.17%	0.553%	
309	21.152	21.128	21.162	VV	246949	4974800	4.67%	0.135%	
310	21.208	21.162	21.354	VV	437939	28425357	26.70%	0.770%	
311	21.363	21.354	21.383	VV	188880	3204232	3.01%	0.087%	
312	21.408	21.383	21.476	VV	189803	10304139	9.68%	0.279%	
313	21.484	21.476	21.605	VV	174501	12528490	11.77%	0.340%	
314	21.620	21.605	21.711	VV	155600	9184600	8.63%	0.249%	
315	21.733	21.711	21.751	VV	137810	3247233	3.05%	0.088%	
316	21.760	21.751	21.966	VV	136638	14749984	13.85%	0.400%	
317	21.984	21.966	22.039	VV	95198	4116739	3.87%	0.112%	
318	22.125	22.039	22.321	VV	245520	17320161	16.27%	0.469%	
319	22.339	22.321	22.354	VV	63496	1253889	1.18%	0.034%	
320	22.361	22.354	22.368	VV	63563	511681	0.48%	0.014%	
321	22.377	22.368	22.519	VV	63594	5006143	4.70%	0.136%	
322	22.570	22.519	22.589	VV	49359	1987932	1.87%	0.054%	
323	22.597	22.589	22.641	VV	46255	1375163	1.29%	0.037%	
324	22.684	22.641	22.759	VV	44842	2666945	2.50%	0.072%	
325	22.769	22.759	22.795	VV	29998	607241	0.57%	0.016%	
326	22.810	22.795	22.821	VV	28894	417470	0.39%	0.011%	
327	22.837	22.821	22.848	VV	25874	407753	0.38%	0.011%	
328	22.857	22.848	22.873	VV	26635	379367	0.36%	0.010%	
329	22.895	22.873	22.945	VV	24761	964810	0.91%	0.026%	
330	22.964	22.945	23.037	VV	19158	845805	0.79%	0.023%	
331	23.049	23.037	23.089	VV	11402	310281	0.29%	0.008%	
332	23.109	23.089	23.168	VV	9710	366864	0.34%	0.010%	
333	23.184	23.168	23.297	VV	6559	215728	0.20%	0.006%	
334	23.324	23.297	23.341	PBA	4116	208405	0.20%	0.006%	

Sum of corrected areas: 3690274118

Aliphatic EPH 031725.M Fri Mar 21 00:52:57 2025

Instrument :

FID_F

ClientSampleId :

WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	WC1MSD	SDG No.:	Q1574
Lab Sample ID:	Q1574-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015519.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.75		0.12	0.68	mg/kg
Aromatic C12-C16	Aromatic C12-C16	11.8		0.23	1.02	mg/kg
Aromatic C16-C21	Aromatic C16-C21	20.5		0.41	1.70	mg/kg
Aromatic C21-C36	Aromatic C21-C36	6750	E	1.21	2.72	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.3		40 - 140	109%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	46.1		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.1		40 - 140	52%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1574-01MSD	Acq On:	20 Mar 2025 15:27
Client Sample ID:	WC1MSD	Operator:	YP\AJ
Data file:	FG015519.D	Misc:	
Instrument:	FID_G	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.457	6.336	19228562	143.501	200	ug/ml
Aromatic C12-C16	6.337	9.043	23781726	173.397	300	ug/ml
Aromatic C16-C21	9.044	13.372	42180010	302.56	500	ug/ml
Aromatic C21-C36	13.373	18.832	12945610862	99400	800	ug/ml
Aromatic EPH	4.457	18.832	13030801160	101000		ug/ml
2-Bromonaphthalene (SURR)	7.972	7.972	6634311	54.31		ug/ml
2-Fluorobiphenyl (SURR)	8.850	8.850	3808847	46.08		ug/ml
ortho-Terphenyl (SURR)	11.970	11.970	3804129	26.09		ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
 Data File : FG015519.D
 Signal(s) : FID1A.ch
 Acq On : 20 Mar 2025 15:27
 Operator : YP\AJ
 Sample : Q1574-01MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 WC1MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/21/2025
 Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
 Quant Time: Mar 21 01:32:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:13:04 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...	7.972	6634311	54.311 ug/ml
Spiked Amount 50.000		Recovery =	108.62%
6) S 2-Fluorobiphenyl (SURR)	8.850	3808847	46.080 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	92.16%
11) S ortho-Terphenyl (SURR)	11.970	3804129	26.086 ug/mlm
Spiked Amount 50.000		Recovery =	52.17%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.561	3394165	25.542 ug/ml
2) T Naphthalene (C11.7)	6.240	5074647	37.560 ug/mlm
3) T 2-Methylnaphthalene (...)	7.342	5461706	40.945 ug/ml
5) T Acenaphthylene (C15.06)	8.648	4652940	32.853 ug/ml
7) T Acenaphthene (C15.5)	8.949	4823411	35.354 ug/mlm
8) T Flouorene (C16.55)	9.740	3067252	21.971 ug/mlm
9) T Phenanthrene (C19.36)	11.171	2919726	20.724 ug/ml
10) T Anthracene (C19.43)	11.220	7391690	54.016 ug/ml
12) T Fluoranthene (C21.85)	12.960	3610033	25.315 ug/mlm
13) T Pyrene (C20.8)	13.285	2446583	17.437 ug/mlm
14) T Benzo[a]anthracene (C...	15.172	7183996	52.967 ug/mlm
15) T Chrysene (C27.41)	15.232	15089184	107.786 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	18.481	24206195	217.563 ug/mlm
20) T Dibenz[a,h]anthracene...	18.518	11108184	86.323 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.726	3204847	26.820 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015519.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 15:27
Operator : YP\AJ
Sample : Q1574-01MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

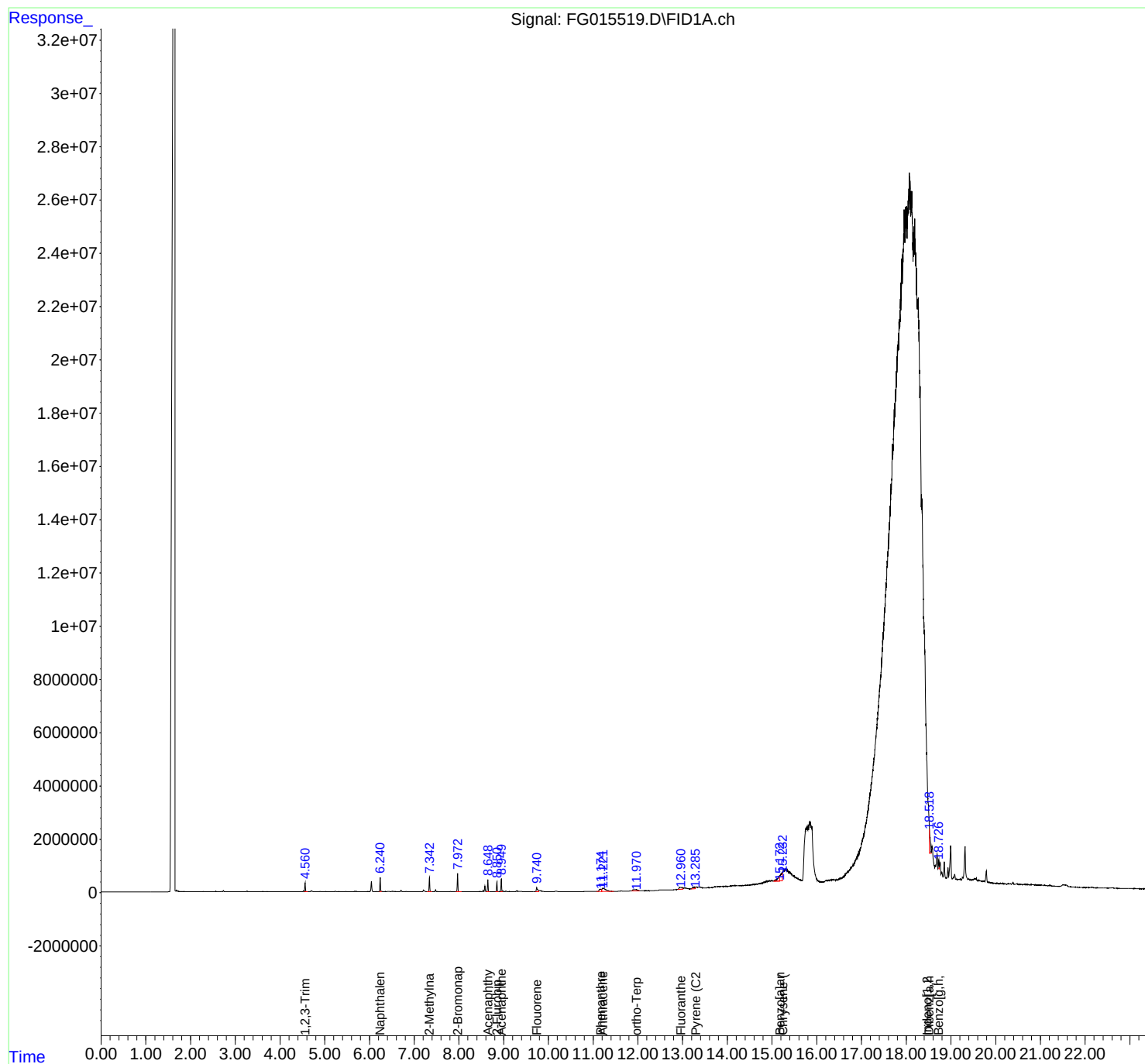
Instrument :
FID_G
ClientSampleId :
WC1MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 21 01:32:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 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_G

ClientSampleId :

WC1MSD

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03202

Data File : FG015519.D

Signal(s) : FID1A.ch

Acq On : 20 Mar 2025 15:27

Sample : Q1574-01MSD

Misc :

ALS Vial : 27 Sample Multiplier: 1

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M

Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.290	4.276	4.347	PV	2627	11986	0.00%	0.000%
2	4.356	4.347	4.376	PV	202	1679	0.00%	0.000%
3	4.417	4.376	4.447	PV	663	12967	0.00%	0.000%
4	4.466	4.447	4.499	VV	1289	20337	0.00%	0.000%
5	4.526	4.499	4.541	VV	42538	426289	0.01%	0.003%
6	4.561	4.541	4.622	VV	335688	3461460	0.05%	0.027%
7	4.636	4.622	4.669	VV	3269	57814	0.00%	0.000%
8	4.696	4.669	4.764	VV	37672	875096	0.01%	0.007%
9	4.778	4.764	4.796	VV	7923	123043	0.00%	0.001%
10	4.811	4.796	4.835	VV	8394	122005	0.00%	0.001%
11	4.844	4.835	4.865	VV	2912	41979	0.00%	0.000%
12	4.895	4.865	4.928	VV	12030	217854	0.00%	0.002%
13	4.946	4.928	4.968	VV	7320	122280	0.00%	0.001%
14	4.992	4.968	5.009	VV	3673	80359	0.00%	0.001%
15	5.028	5.009	5.063	VV	12194	178329	0.00%	0.001%
16	5.083	5.063	5.095	VV	2708	43298	0.00%	0.000%
17	5.109	5.095	5.125	VV	4065	54293	0.00%	0.000%
18	5.141	5.125	5.159	VV	2840	46860	0.00%	0.000%
19	5.183	5.159	5.213	VV	6960	149074	0.00%	0.001%
20	5.232	5.213	5.264	VV	20674	329059	0.01%	0.003%
21	5.283	5.264	5.302	VV	8864	159474	0.00%	0.001%
22	5.316	5.302	5.335	VV	10148	125578	0.00%	0.001%
23	5.347	5.335	5.361	VV	3678	45807	0.00%	0.000%
24	5.374	5.361	5.401	VV	3622	63555	0.00%	0.000%
25	5.416	5.401	5.454	VV	3127	64212	0.00%	0.000%
26	5.473	5.454	5.501	VV	13749	162950	0.00%	0.001%
27	5.524	5.501	5.565	VV	6915	114447	0.00%	0.001%
28	5.579	5.565	5.587	VV	1748	17168	0.00%	0.000%
29	5.612	5.587	5.641	VV	3778	72506	0.00%	0.001%
30	5.664	5.641	5.681	VV	21343	241809	0.00%	0.002%
31	5.698	5.681	5.725	VV	31559	378967	0.01%	0.003%
32	5.750	5.725	5.817	VV	7189	166438	0.00%	0.001%
33	5.828	5.817	5.845	VV	1406	13433	0.00%	0.000%
34	5.863	5.845	5.880	PV	3964	45656	0.00%	0.000%
35	5.895	5.880	5.906	VV	4072	45275	0.00%	0.000%
36	5.915	5.906	5.938	VV	3177	42221	0.00%	0.000%

					retention			
37	5.960	5.938	5.974	VV	12687	141797	0.00%	0.001%
38	5.986	5.974	6.001	VV	9388	105439	0.00%	0.001%
39	6.044	6.001	6.107	VV	381769	4952853	0.00%	0.001%
40	6.113	6.107	6.127	VV	4236	45222	0.00%	0.001%
41	6.147	6.127	6.171	VV	11077	166907	0.00%	0.001%
42	6.207	6.171	6.216	VV	8664	167693	0.00%	0.001%
43	6.240	6.216	6.272	VV	534293	5327687	0.08%	0.041%
44	6.282	6.272	6.324	VV	11824	212039	0.00%	0.002%
45	6.351	6.324	6.366	VV	9430	135881	0.00%	0.001%
46	6.405	6.366	6.417	VV	11714	244419	0.00%	0.002%
47	6.429	6.417	6.435	VV	11864	119064	0.00%	0.001%
48	6.444	6.435	6.465	VV	12664	179410	0.00%	0.001%
49	6.514	6.465	6.555	VV	20282	654828	0.01%	0.005%
50	6.573	6.555	6.605	VV	11168	226916	0.00%	0.002%
51	6.620	6.605	6.634	VV	6898	87669	0.00%	0.001%
52	6.645	6.634	6.668	VV	5814	92832	0.00%	0.001%
53	6.706	6.668	6.757	VV	59192	884379	0.01%	0.007%
54	6.818	6.757	6.841	VV	11134	304329	0.00%	0.002%
55	6.857	6.841	6.890	VV	6904	128976	0.00%	0.001%
56	6.906	6.890	6.923	VV	4616	63896	0.00%	0.000%
57	6.934	6.923	6.952	VV	3035	32602	0.00%	0.000%
58	6.989	6.952	7.011	VV	6587	94991	0.00%	0.001%
59	7.054	7.011	7.084	VV	3724	69671	0.00%	0.001%
60	7.091	7.084	7.097	VV	764	4765	0.00%	0.000%
61	7.114	7.097	7.120	VV	2111	21282	0.00%	0.000%
62	7.144	7.120	7.176	VV	3851	74729	0.00%	0.001%
63	7.242	7.234	7.269	VV	23942	294479	0.00%	0.002%
64	7.280	7.269	7.293	VV	5581	70567	0.00%	0.001%
65	7.298	7.293	7.310	VV	4148	36795	0.00%	0.000%
66	7.342	7.310	7.415	VV	550580	5707711	0.09%	0.044%
67	7.434	7.415	7.454	VV	5740	95465	0.00%	0.001%
68	7.514	7.502	7.537	VV	9682	154040	0.00%	0.001%
69	7.541	7.537	7.586	VV	4742	82007	0.00%	0.001%
70	7.594	7.586	7.603	VV	1577	14918	0.00%	0.000%
71	7.623	7.603	7.641	VV	3709	54612	0.00%	0.000%
72	7.656	7.641	7.681	VV	3095	38011	0.00%	0.000%
73	7.691	7.681	7.699	VV	339	3238	0.00%	0.000%
74	7.731	7.699	7.767	VV	4200	69179	0.00%	0.001%
75	7.783	7.767	7.792	VV	942	9276	0.00%	0.000%
76	7.811	7.792	7.858	VV	16019	190521	0.00%	0.001%
77	7.888	7.858	7.912	VV	2897	42780	0.00%	0.000%
78	7.923	7.912	7.932	VV	1825	16351	0.00%	0.000%
79	7.972	7.932	8.029	VV	687064	6669913	0.10%	0.051%
80	8.038	8.029	8.059	VV	2043	24989	0.00%	0.000%
81	8.084	8.059	8.098	VV	6132	80663	0.00%	0.001%
82	8.104	8.098	8.134	VV	3252	42361	0.00%	0.000%
83	8.158	8.134	8.175	VV	1372	24751	0.00%	0.000%
84	8.187	8.175	8.206	VV	1162	13971	0.00%	0.000%
85	8.292	8.277	8.304	VV	2133	24250	0.00%	0.000%
86	8.316	8.304	8.324	VV	2109	21567	0.00%	0.000%
87	8.355	8.349	8.371	VV	6775	69513	0.00%	0.001%
88	8.380	8.371	8.401	VV	3491	39840	0.00%	0.000%
89	8.434	8.401	8.446	VV	6628	95340	0.00%	0.001%

Instrument :

FID_G

ClientSampleId :

WC1MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

90	8.462	8.446	8.475	VV	13614	151512	0.00%	0.001%
91	8.488	8.475	8.509	VV	11451	127781		
92	8.582	8.560	8.608	VV	221528	2296116		
93	8.648	8.608	8.687	VV	457437	4758527		
94	8.703	8.687	8.722	VV	3924	63560		
95	8.739	8.722	8.762	VV	4945	65097		
96	8.778	8.762	8.819	VV	3854	62403	0.00%	0.000%
97	8.850	8.819	8.887	PV	372405	3829395	0.06%	0.029%
98	8.905	8.887	8.922	VV	10902	133565	0.00%	0.001%
99	8.949	8.922	8.969	VV	484863	4909544	0.08%	0.038%
100	8.978	8.969	9.004	VV	27270	346975	0.01%	0.003%
101	9.015	9.004	9.030	VV	9253	128812	0.00%	0.001%
102	9.052	9.030	9.080	VV	34674	460604	0.01%	0.004%
103	9.091	9.080	9.103	VV	4580	59436	0.00%	0.000%
104	9.122	9.103	9.162	VV	8134	165526	0.00%	0.001%
105	9.190	9.162	9.208	VV	3604	67956	0.00%	0.001%
106	9.225	9.208	9.253	VV	5672	85836	0.00%	0.001%
107	9.294	9.253	9.337	VV	40725	830367	0.01%	0.006%
108	9.346	9.337	9.380	VV	13256	307529	0.00%	0.002%
109	9.400	9.380	9.449	VV	11158	304952	0.00%	0.002%
110	9.464	9.449	9.501	VV	3711	70470	0.00%	0.001%
111	9.519	9.501	9.540	VV	2587	29762	0.00%	0.000%
112	9.552	9.540	9.590	VV	1474	22214	0.00%	0.000%
113	9.606	9.590	9.642	VV	733	12240	0.00%	0.000%
114	9.657	9.642	9.689	PV	898	11150	0.00%	0.000%
115	9.740	9.689	9.942	VV	161192	5077720	0.08%	0.039%
116	9.964	9.942	9.969	VV	3188	44081	0.00%	0.000%
117	9.989	9.969	10.003	VV	3390	66806	0.00%	0.001%
118	10.026	10.003	10.051	VV	3901	100073	0.00%	0.001%
119	10.055	10.051	10.060	VV	3179	17172	0.00%	0.000%
120	10.067	10.060	10.072	VV	3371	23739	0.00%	0.000%
121	10.094	10.072	10.102	VV	3889	66262	0.00%	0.001%
122	10.106	10.102	10.124	VV	3749	46974	0.00%	0.000%
123	10.180	10.124	10.255	VV	17720	639056	0.01%	0.005%
124	10.260	10.255	10.270	VV	415	2712	0.00%	0.000%
125	10.297	10.270	10.307	VV	521	7563	0.00%	0.000%
126	10.329	10.307	10.344	VV	484	7568	0.00%	0.000%
127	10.347	10.344	10.359	VV	343	2368	0.00%	0.000%
128	10.381	10.359	10.404	VV	614	8040	0.00%	0.000%
129	10.524	10.404	10.531	PV	276	7261	0.00%	0.000%
130	10.540	10.531	10.546	PV	255	1023	0.00%	0.000%
131	10.611	10.546	10.624	PV	1663	39225	0.00%	0.000%
132	10.627	10.624	10.650	VV	1671	21925	0.00%	0.000%
133	10.676	10.650	10.694	VV	1969	41782	0.00%	0.000%
134	10.699	10.694	10.716	VV	1370	14175	0.00%	0.000%
135	10.736	10.716	10.754	VV	1080	17819	0.00%	0.000%
136	10.761	10.754	10.767	VV	586	4028	0.00%	0.000%
137	10.837	10.767	10.844	VV	3553	96868	0.00%	0.001%
138	10.880	10.844	10.893	VV	3775	103756	0.00%	0.001%
139	10.898	10.893	10.922	VV	3166	48933	0.00%	0.000%
140	10.944	10.922	10.959	VV	3558	65713	0.00%	0.001%
141	10.984	10.959	10.990	VV	3441	57758	0.00%	0.000%

Instrument :

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ClientSampleId :

WC1MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

				rters			
142	11.003	10.990	11.032	VV	3181	68584	0.00%
143	11.060	11.032	11.089	VV	2117	59904	0.001%
144	11.159	11.089	11.163	VV	85464	1578948	
145	11.169	11.163	11.192	VV	86208	1421025	
146	11.222	11.192	11.411	VV	123970	7496312	
147	11.418	11.411	11.478	VV	3400	78607	
148	11.487	11.478	11.495	PV	450	2359	0.00%
149	11.504	11.495	11.512	PV	333	1714	0.000%
150	11.636	11.512	11.694	VV	16720	628565	0.00%
151	11.699	11.694	11.704	VV	489	2033	0.005%
152	11.781	11.704	11.785	PV	4673	85654	0.000%
153	11.832	11.785	11.837	VV	6880	170140	0.001%
154	11.844	11.837	11.850	VV	7185	50185	0.00%
155	11.851	11.850	11.862	VV	6398	41903	0.000%
156	11.903	11.862	11.914	VV	52043	1120697	0.00%
157	11.928	11.914	11.934	VV	53389	607332	0.009%
158	11.951	11.934	11.957	VV	54366	726113	0.01%
159	11.964	11.957	12.085	VV	56559	1970858	0.006%
160	12.102	12.085	12.107	VV	7651	93870	0.03%
161	12.111	12.107	12.164	VV	6986	157824	0.001%
162	12.169	12.164	12.182	VV	2693	23548	0.00%
163	12.185	12.182	12.194	VV	1957	9580	0.000%
164	12.198	12.194	12.202	VV	1523	5752	0.000%
165	12.206	12.202	12.217	VV	851	4281	0.000%
166	12.238	12.217	12.252	PV	1263	11268	0.00%
167	12.342	12.252	12.359	PV	2852	145017	0.000%
168	12.381	12.359	12.402	VV	2670	49660	0.001%
169	12.506	12.402	12.512	VV	20036	635110	0.00%
170	12.517	12.512	12.522	VV	20207	115905	0.01%
171	12.526	12.522	12.531	VV	19839	104755	0.005%
172	12.536	12.531	12.544	VV	18757	141507	0.001%
173	12.551	12.544	12.589	VV	16831	376347	0.00%
174	12.595	12.589	12.612	VV	11121	140508	0.003%
175	12.627	12.612	12.687	VV	11695	320992	0.00%
176	12.718	12.687	12.723	VV	2875	40384	0.001%
177	12.728	12.723	12.739	VV	1813	9866	0.000%
178	12.773	12.739	12.777	PV	1402	5624	0.000%
179	12.814	12.777	12.833	PV	6760	133380	0.00%
180	12.877	12.833	12.894	VV	9608	253235	0.001%
181	12.960	12.894	13.027	VV	82134	4838234	0.00%
182	13.037	13.027	13.044	VV	53865	511313	0.037%
183	13.051	13.044	13.066	VV	52936	645824	0.01%
184	13.071	13.066	13.075	VV	46158	266407	0.005%
185	13.077	13.075	13.167	VV	46538	1456469	0.00%
186	13.175	13.167	13.190	VV	14064	160819	0.002%
187	13.232	13.190	13.244	VV	63505	1453751	0.001%
188	13.258	13.244	13.274	VV	64103	1101482	0.02%
189	13.277	13.274	13.281	VV	61788	241008	0.008%
190	13.317	13.281	13.333	VV	66558	1955492	0.00%
191	13.337	13.333	13.342	VV	62439	337040	0.002%
192	13.345	13.342	13.350	VV	59044	294859	0.003%
193	13.370	13.350	13.377	VV	62316	969524	0.00%
194	13.384	13.377	13.421	VV	60909	1391298	0.02%

Instrument :
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Manual IntegrationsAPPROVED

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195	13.425	13.421	13.448	VV	44484	584156	0.01%	0.004%
196	13.451	13.448	13.490	VV	28397	609847		
197	13.496	13.490	13.500	VV	23011	129427		
198	13.564	13.500	13.570	VV	28072	979124		
199	13.575	13.570	13.611	VV	29739	645445		
200	13.616	13.611	13.624	VV	23321	163838		
201	13.633	13.624	13.659	VV	25052	472638	0.01%	0.004%
202	13.724	13.659	13.734	VV	52403	1665950	0.03%	0.013%
203	13.743	13.734	13.750	VV	51787	493122	0.01%	0.004%
204	13.768	13.750	13.777	VV	53618	796212	0.01%	0.006%
205	13.792	13.777	13.797	VV	54471	614871	0.01%	0.005%
206	13.804	13.797	13.813	VV	55539	536542	0.01%	0.004%
207	13.819	13.813	13.826	VV	57648	410249	0.01%	0.003%
208	13.832	13.826	13.836	VV	53242	288978	0.00%	0.002%
209	13.842	13.836	13.859	VV	53896	713531	0.01%	0.005%
210	13.874	13.859	13.919	VV	52665	1761024	0.03%	0.013%
211	13.932	13.919	13.949	VV	50225	842150	0.01%	0.006%
212	13.959	13.949	13.970	VV	47578	594088	0.01%	0.005%
213	13.986	13.970	13.994	VV	49242	661031	0.01%	0.005%
214	14.002	13.994	14.007	VV	49490	381793	0.01%	0.003%
215	14.013	14.007	14.047	VV	51618	1121331	0.02%	0.009%
216	14.172	14.047	14.182	VV	67744	4636652	0.07%	0.036%
217	14.197	14.182	14.205	VV	57304	807432	0.01%	0.006%
218	14.214	14.205	14.244	VV	55411	1221971	0.02%	0.009%
219	14.249	14.244	14.260	VV	55063	513671	0.01%	0.004%
220	14.266	14.260	14.280	VV	53204	601228	0.01%	0.005%
221	14.298	14.280	14.325	VV	53711	1347098	0.02%	0.010%
222	14.332	14.325	14.352	VV	54125	790256	0.01%	0.006%
223	14.395	14.352	14.410	VV	54811	1769129	0.03%	0.014%
224	14.423	14.410	14.433	VV	58364	733590	0.01%	0.006%
225	14.495	14.433	14.509	VV	59917	2535491	0.04%	0.019%
226	14.577	14.509	14.589	VV	70054	3127200	0.05%	0.024%
227	14.875	14.589	14.883	VV	170598	18498716	0.29%	0.142%
228	14.961	14.883	14.984	VV	186871	10666940	0.17%	0.082%
229	14.994	14.984	15.037	VV	190553	5665115	0.09%	0.043%
230	15.306	15.037	15.480	VV	595164	106497902	1.67%	0.816%
231	15.488	15.480	15.670	VV	328439	25730010	0.40%	0.197%
232	15.790	15.670	15.800	VV	2161514	113016653	1.77%	0.865%
233	15.807	15.800	15.816	VV	2222653	20367526	0.32%	0.156%
234	15.840	15.816	16.109	VV	2339611	152301497	2.38%	1.166%
235	16.117	16.109	16.150	VV	61828	1461232	0.02%	0.011%
236	16.202	16.150	16.217	VV	106658	3183655	0.05%	0.024%
237	16.242	16.217	16.254	VV	112159	2274414	0.04%	0.017%
238	16.312	16.254	16.326	VV	122741	4983785	0.08%	0.038%
239	16.341	16.326	16.359	VV	133498	2424515	0.04%	0.019%
240	16.367	16.359	16.395	VV	124259	2568435	0.04%	0.020%
241	17.953	16.395	17.969	VV	24811876	6387937489	100.00%	48.919%
242	17.993	17.969	18.020	VV	25156188	752595732	11.78%	5.763%
243	18.070	18.020	18.115	VV	26389775	1462964504	22.90%	11.203%
244	18.122	18.115	18.150	VV	25365417	506982588	7.94%	3.882%
245	18.171	18.150	18.180	VV	24250197	441499042	6.91%	3.381%
246	18.189	18.180	18.560	VV	24610414	2802977700	43.88%	21.465%

Instrument :

FID_G

ClientSampleId :

WC1MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Instrument :
FID_G
ClientSampleId :
WC1MSD

Manual Integrations **APPROVED**

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Ave L		Date Received:		
Client Sample ID:	WC1MSD		SDG No.:	Q1574	
Lab Sample ID:	Q1574-01MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	98	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/19/25 15:00	03/20/25 15:27	PB167231

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.95		1	0.14	1.02	mg/kg	FF015702.D
Aliphatic C12-C16	Aliphatic C12-C16	7.39		1	0.11	0.68	mg/kg	FF015702.D
Aliphatic C16-C21	Aliphatic C16-C21	72.5	E	1	0.13	1.02	mg/kg	FF015702.D
Aliphatic C21-C28	Aliphatic C21-C28	886	E	1	0.54	1.36	mg/kg	FF015702.D
Aliphatic C28-C40	Aliphatic C28-C40	1170	E	1	1.20	2.04	mg/kg	FF015702.D
Aromatic C10-C12	Aromatic C10-C12	9.75		1	0.12	0.68	mg/kg	FG015519.D
Aromatic C12-C16	Aromatic C12-C16	11.8		1	0.23	1.02	mg/kg	FG015519.D
Aromatic C16-C21	Aromatic C16-C21	20.5		1	0.41	1.70	mg/kg	FG015519.D
Aromatic C21-C36	Aromatic C21-C36	6750	E	1	1.21	2.72	mg/kg	FG015519.D
Total AliphaticEPH	Total AliphaticEPH	2150			2.13	6.12	mg/kg	
Total AromaticEPH	Total AromaticEPH	6790			1.97	6.12	mg/kg	
Total EPH	Total EPH	8940			4.10	12.2	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	WC1MSD	SDG No.:	Q1574
Lab Sample ID:	Q1574-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015702.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.95		0.14	1.02	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.39		0.11	0.68	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	72.5	E	0.13	1.02	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	886	E	0.54	1.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1170	E	1.20	2.04	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.9		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1574-01MSD	Acq On:	20 Mar 2025 15:27
Client Sample ID:	WC1MSD	Operator:	YP\AJ
Data file:	FF015702.D	Misc:	
Instrument:	FID_F	ALS Vial:	77
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	16926943	131.762	300	ug/ml
Aliphatic C12-C16	6.834	10.268	14326346	108.851	200	ug/ml
Aliphatic C16-C21	10.269	13.635	144552236	1070	300	ug/ml
Aliphatic C21-C28	13.636	17.299	1726666665	13100	400	ug/ml
Aliphatic C28-C40	17.300	22.199	1869886260	17300	600	ug/ml
Aliphatic EPH	3.210	22.199	3772358450	31700		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.382	13.382	5096779	44.91		ug/ml
Aliphatic C9-C28	3.210	17.299	1902472190	14400	1200	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
 Data File : FF015702.D
 Signal(s) : FID2B.ch
 Acq On : 20 Mar 2025 15:27
 Operator : YP\AJ
 Sample : Q1574-01MSD
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :

FID_F

ClientSampleId :

WC1MSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 02:47:08 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 02:31:19 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.382	5096779	44.908 ug/mlm
Spiked Amount 50.000		Recovery =	89.82%
Target Compounds			
1) T n-Nonane (C9)	3.310	2327332	18.374 ug/ml
2) T n-Decane (C10)	4.567	3083883	24.015 ug/ml
4) T n-Dodecane (C12)	6.735	4220901	32.389 ug/ml
6) T n-Tetradecane (C14)	8.563	4694556	36.250 ug/ml
7) T n-Hexadecane (C16)	10.171	4850153	36.270 ug/ml
8) T n-Octadecane (C18)	11.615	5174320	37.576 ug/ml
10) T n-Eicosane (C20)	12.933	5422010	40.231 ug/ml
11) T n-Heneicosane (C21)	13.551	4555680	34.088 ug/mlm
13) T n-Docosane (C22)	14.144	5094130	38.068 ug/mlm
14) T n-Tetracosane (C24)	15.257	7495982	55.993 ug/mlm
15) T n-Hexacosane (C26)	16.288	4717343	36.068 ug/mlm
16) T n-Octacosane (C28)	17.249	5273780	40.371 ug/mlm
17) T n-Tricontane (C30)	18.134	4598957	34.104 ug/mlm
18) T n-Dotriacontane (C32)	18.957	5073117	38.903 ug/mlm
19) T n-Tetratriacontane (C34)	19.740	5991219	51.325 ug/ml
20) T n-Hexatriacontane (C36)	20.473	3788925	38.168 ug/mlm
21) T n-Octatriacontane (C38)	21.211	4841368	55.411 ug/ml
22) T n-Tetracontane (C40)	22.129	4686347	58.394 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015702.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 15:27
Operator : YP\AJ
Sample : Q1574-01MSD
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :

FID_F

Client Sample Id :

WC1MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 02:47:08 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 02:31:19 2025

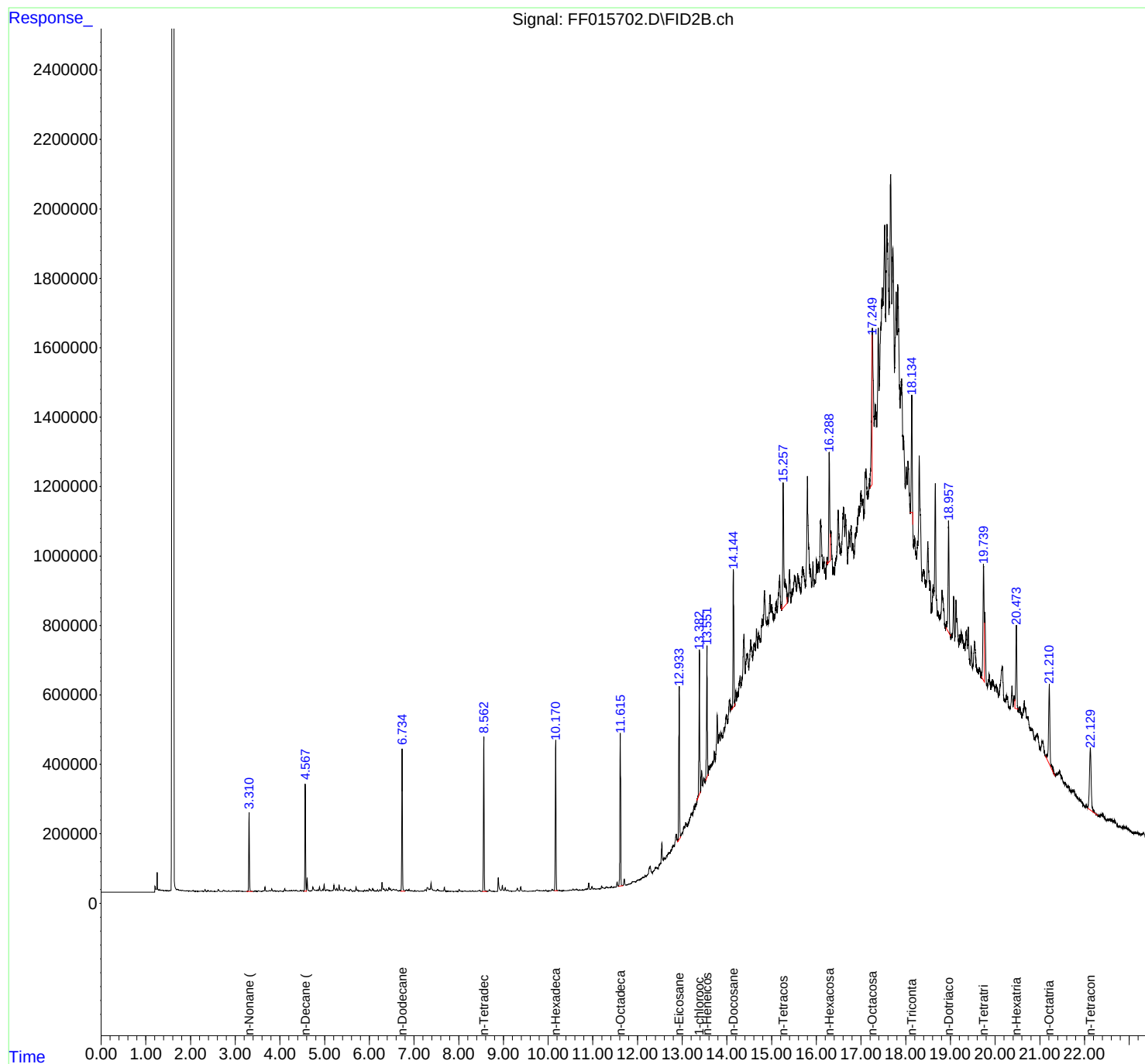
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



rteres

Instrument :

FID_F

ClientSampleId :

WC1MSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF03202
Data File : FF015702.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 15:27
Sample : Q1574-01MSD
Misc :
ALS Vial : 77 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.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	2.850	2.801	2.908	BV	1658	19491	0.02%	0.001%
2	2.946	2.908	2.963	PV	2144	37355	0.03%	0.001%
3	2.978	2.963	2.991	VV	1312	19621	0.02%	0.001%
4	3.009	2.991	3.034	VV	1555	28791	0.03%	0.001%
5	3.056	3.034	3.068	VV	1313	20460	0.02%	0.001%
6	3.090	3.068	3.106	VV	1652	28318	0.03%	0.001%
7	3.118	3.106	3.148	VV	1013	18214	0.02%	0.000%
8	3.165	3.148	3.211	VV	624	11773	0.01%	0.000%
9	3.235	3.211	3.255	PV	370	4320	0.00%	0.000%
10	3.310	3.255	3.395	VV	227008	2347578	2.11%	0.062%
11	3.455	3.395	3.472	VV	1204	34261	0.03%	0.001%
12	3.484	3.472	3.500	VV	820	10361	0.01%	0.000%
13	3.521	3.500	3.545	VV	2553	38018	0.03%	0.001%
14	3.553	3.545	3.581	VV	1078	17350	0.02%	0.000%
15	3.594	3.581	3.606	VV	611	7833	0.01%	0.000%
16	3.629	3.606	3.645	VV	2059	31800	0.03%	0.001%
17	3.667	3.645	3.722	VV	13068	173175	0.16%	0.005%
18	3.731	3.722	3.740	VV	885	8854	0.01%	0.000%
19	3.762	3.740	3.786	VV	3184	53026	0.05%	0.001%
20	3.818	3.786	3.854	VV	7909	124756	0.11%	0.003%
21	3.871	3.854	3.898	VV	2348	43918	0.04%	0.001%
22	3.904	3.898	3.928	VV	1359	20478	0.02%	0.001%
23	3.947	3.928	3.975	VV	1956	32602	0.03%	0.001%
24	4.006	3.975	4.058	VV	2145	57632	0.05%	0.002%
25	4.108	4.058	4.127	VV	8659	115832	0.10%	0.003%
26	4.142	4.127	4.177	VV	3030	62590	0.06%	0.002%
27	4.217	4.177	4.238	VV	2733	73941	0.07%	0.002%
28	4.259	4.238	4.283	VV	3567	61506	0.06%	0.002%
29	4.309	4.283	4.331	VV	4029	77941	0.07%	0.002%
30	4.366	4.331	4.418	VV	3839	114920	0.10%	0.003%
31	4.462	4.418	4.487	VV	4044	77934	0.07%	0.002%
32	4.509	4.487	4.536	VV	3283	62069	0.06%	0.002%
33	4.567	4.536	4.592	VV	309438	3128071	2.81%	0.082%
34	4.609	4.592	4.668	VV	39546	472219	0.42%	0.012%
35	4.688	4.668	4.711	VV	2279	48090	0.04%	0.001%
36	4.739	4.711	4.805	VV	12940	310757	0.28%	0.008%

					rters				
37	4.817	4.805	4.834	VV	3703	54356	0.05%	0.001%	
38	4.851	4.834	4.866	VV	5469	72018			
39	4.886	4.866	4.919	VV	13697	194550			
40	4.927	4.919	4.937	VV	2496	25733			
41	4.957	4.937	4.970	VV	6418	84224			
42	4.990	4.970	5.020	VV	20859	273522			
43	5.049	5.020	5.062	VV	5438	101156	0.09%	0.003%	
44	5.074	5.062	5.103	VV	5326	90437	0.08%	0.002%	
45	5.121	5.103	5.137	VV	2698	46834	0.04%	0.001%	
46	5.154	5.137	5.164	VV	2542	36453	0.03%	0.001%	
47	5.210	5.164	5.251	VV	18986	357523	0.32%	0.009%	
48	5.271	5.251	5.298	VV	9822	158219	0.14%	0.004%	
49	5.325	5.298	5.352	VV	19296	277505	0.25%	0.007%	
50	5.369	5.352	5.378	VV	4781	65387	0.06%	0.002%	
51	5.391	5.378	5.421	VV	5121	98734	0.09%	0.003%	
52	5.454	5.421	5.484	VV	10937	213366	0.19%	0.006%	
53	5.496	5.484	5.510	VV	3938	57124	0.05%	0.002%	
54	5.521	5.510	5.550	VV	3913	69205	0.06%	0.002%	
55	5.575	5.550	5.623	VV	6398	162604	0.15%	0.004%	
56	5.644	5.623	5.662	VV	2725	36974	0.03%	0.001%	
57	5.705	5.662	5.728	VV	12855	184665	0.17%	0.005%	
58	5.743	5.728	5.766	VV	4700	67562	0.06%	0.002%	
59	5.783	5.766	5.815	VV	2153	44899	0.04%	0.001%	
60	5.827	5.815	5.843	VV	1824	24898	0.02%	0.001%	
61	5.854	5.843	5.867	VV	1456	16901	0.02%	0.000%	
62	5.891	5.867	5.918	VV	3583	68257	0.06%	0.002%	
63	5.934	5.918	5.978	VV	2774	75335	0.07%	0.002%	
64	5.999	5.978	6.047	VV	8066	176040	0.16%	0.005%	
65	6.074	6.047	6.122	VV	8852	177048	0.16%	0.005%	
66	6.137	6.122	6.162	VV	2535	43275	0.04%	0.001%	
67	6.182	6.162	6.206	VV	5032	67851	0.06%	0.002%	
68	6.238	6.206	6.261	VV	5109	87575	0.08%	0.002%	
69	6.285	6.261	6.358	VV	26423	501928	0.45%	0.013%	
70	6.380	6.358	6.414	VV	7175	136500	0.12%	0.004%	
71	6.439	6.414	6.457	VV	12054	188832	0.17%	0.005%	
72	6.471	6.457	6.496	VV	7841	132795	0.12%	0.004%	
73	6.535	6.496	6.582	VV	6620	249974	0.22%	0.007%	
74	6.602	6.582	6.642	VV	6100	148375	0.13%	0.004%	
75	6.682	6.642	6.703	VV	2886	85683	0.08%	0.002%	
76	6.735	6.703	6.800	VV	410046	4295921	3.86%	0.113%	
77	6.822	6.800	6.836	VV	4347	64873	0.06%	0.002%	
78	6.851	6.836	6.869	VV	4735	72151	0.06%	0.002%	
79	6.887	6.869	6.911	VV	6738	98334	0.09%	0.003%	
80	6.923	6.911	6.948	VV	2738	51614	0.05%	0.001%	
81	6.960	6.948	6.988	VV	2831	43172	0.04%	0.001%	
82	7.022	6.988	7.045	VV	3300	57708	0.05%	0.002%	
83	7.065	7.045	7.081	VV	1782	29689	0.03%	0.001%	
84	7.092	7.081	7.114	VV	1930	27472	0.02%	0.001%	
85	7.163	7.114	7.176	VV	1721	40254	0.04%	0.001%	
86	7.189	7.176	7.211	VV	1428	24288	0.02%	0.001%	
87	7.247	7.211	7.277	VV	5096	123706	0.11%	0.003%	
88	7.301	7.277	7.336	VV	12139	304479	0.27%	0.008%	
89	7.352	7.336	7.365	VV	7550	113475	0.10%	0.003%	

Instrument :

FID_F

ClientSampleId :

WC1MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

90	7.382	7.365	7.430	VV	24645	408412	0.37%	0.011%
91	7.451	7.430	7.495	VV	4246	115486		
92	7.534	7.495	7.607	VV	5103	188882		
93	7.623	7.607	7.654	VV	1684	42773		
94	7.680	7.654	7.728	VV	12143	161036		
95	7.740	7.728	7.758	VV	898	14373		
96	7.772	7.758	7.797	VV	1300	22558	0.02%	0.001%
97	7.812	7.797	7.828	VV	794	12347	0.01%	0.000%
98	7.855	7.828	7.879	VV	1426	24387	0.02%	0.001%
99	7.896	7.879	7.908	VV	515	6149	0.01%	0.000%
100	7.917	7.908	7.927	VV	646	6240	0.01%	0.000%
101	7.943	7.927	7.981	VV	1529	17335	0.02%	0.000%
102	8.011	7.981	8.039	PV	5937	85218	0.08%	0.002%
103	8.051	8.039	8.094	VV	1366	29848	0.03%	0.001%
104	8.137	8.094	8.194	VV	1869	65828	0.06%	0.002%
105	8.209	8.194	8.231	VV	1210	16169	0.01%	0.000%
106	8.253	8.231	8.275	VV	2563	31373	0.03%	0.001%
107	8.309	8.275	8.331	VV	2249	35198	0.03%	0.001%
108	8.347	8.331	8.365	VV	896	11654	0.01%	0.000%
109	8.380	8.365	8.396	VV	1573	18483	0.02%	0.000%
110	8.403	8.396	8.412	VV	645	6106	0.01%	0.000%
111	8.466	8.412	8.492	VV	4215	95786	0.09%	0.003%
112	8.501	8.492	8.524	VV	886	12440	0.01%	0.000%
113	8.563	8.524	8.641	VV	443510	4729481	4.25%	0.125%
114	8.688	8.641	8.741	VV	4910	112772	0.10%	0.003%
115	8.753	8.741	8.778	VV	822	13460	0.01%	0.000%
116	8.796	8.778	8.838	VV	952	13868	0.01%	0.000%
117	8.853	8.838	8.865	PV	157	959	0.00%	0.000%
118	8.886	8.865	8.943	VV	39268	620031	0.56%	0.016%
119	8.978	8.943	9.021	VV	17234	306679	0.28%	0.008%
120	9.041	9.021	9.068	VV	10781	161358	0.15%	0.004%
121	9.100	9.068	9.140	VV	4382	105407	0.09%	0.003%
122	9.158	9.140	9.184	VV	1261	24360	0.02%	0.001%
123	9.217	9.184	9.238	VV	878	20874	0.02%	0.001%
124	9.253	9.238	9.264	VV	730	10075	0.01%	0.000%
125	9.314	9.264	9.361	VV	9448	192092	0.17%	0.005%
126	9.389	9.361	9.447	VV	13446	203865	0.18%	0.005%
127	9.476	9.447	9.511	VV	1905	33863	0.03%	0.001%
128	9.525	9.511	9.555	VV	572	6985	0.01%	0.000%
129	9.649	9.555	9.659	PV	775	26218	0.02%	0.001%
130	9.689	9.659	9.715	VV	1088	24657	0.02%	0.001%
131	9.757	9.715	9.791	VV	3537	106016	0.10%	0.003%
132	9.806	9.791	9.823	VV	2022	30922	0.03%	0.001%
133	9.849	9.823	9.875	VV	1711	39449	0.04%	0.001%
134	9.896	9.875	9.928	VV	1893	33133	0.03%	0.001%
135	9.948	9.928	9.976	VV	3441	40469	0.04%	0.001%
136	10.010	9.976	10.056	PV	952	27243	0.02%	0.001%
137	10.089	10.056	10.103	VV	4919	61608	0.06%	0.002%
138	10.111	10.103	10.136	VV	3243	42473	0.04%	0.001%
139	10.171	10.136	10.218	VV	435934	4882036	4.39%	0.129%
140	10.238	10.218	10.311	VV	1400	41570	0.04%	0.001%
141	10.342	10.311	10.364	VV	979	14114	0.01%	0.000%

Instrument :

FID_F

ClientSampleId :

WC1MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

142	10.375	10.364	10.392	VV	453	6144	0.01%	0.000%
143	10.405	10.392	10.427	VV	448	6020	0.01%	0.000%
144	10.447	10.427	10.465	PV	940	10900	0.01%	0.000%
145	10.488	10.465	10.531	VV	2264	47358	0.01%	0.000%
146	10.559	10.531	10.582	VV	4577	72764	0.01%	0.002%
147	10.604	10.582	10.619	VV	2401	40422	0.01%	0.001%
148	10.638	10.619	10.680	VV	4141	73222	0.07%	0.002%
149	10.703	10.680	10.736	VV	1633	21288	0.02%	0.001%
150	10.764	10.736	10.783	PV	1255	16212	0.01%	0.000%
151	10.835	10.783	10.851	VV	2982	48128	0.04%	0.001%
152	10.872	10.851	10.885	VV	3247	50960	0.05%	0.001%
153	10.909	10.885	10.942	VV	19906	251406	0.23%	0.007%
154	10.981	10.942	11.008	VV	8529	139461	0.13%	0.004%
155	11.037	11.008	11.064	VV	2540	51518	0.05%	0.001%
156	11.087	11.064	11.098	VV	992	13116	0.01%	0.000%
157	11.136	11.098	11.173	VV	1131	31161	0.03%	0.001%
158	11.198	11.173	11.265	PV	8137	160687	0.14%	0.004%
159	11.308	11.265	11.347	VV	4816	118298	0.11%	0.003%
160	11.364	11.347	11.379	VV	2232	29451	0.03%	0.001%
161	11.417	11.379	11.450	VV	4641	74247	0.07%	0.002%
162	11.480	11.450	11.493	VV	1972	34937	0.03%	0.001%
163	11.506	11.493	11.517	VV	1567	19555	0.02%	0.001%
164	11.545	11.517	11.569	VV	15597	215248	0.19%	0.006%
165	11.615	11.569	11.675	VV	441433	5358909	4.82%	0.141%
166	11.704	11.675	11.738	VV	21522	389798	0.35%	0.010%
167	11.812	11.738	11.831	VV	6919	288611	0.26%	0.008%
168	11.889	11.831	11.905	VV	12434	396759	0.36%	0.010%
169	11.937	11.905	11.955	VV	11585	335315	0.30%	0.009%
170	12.012	11.955	12.027	VV	15647	577797	0.52%	0.015%
171	12.169	12.027	12.188	VV	25844	1903272	1.71%	0.050%
172	12.282	12.188	12.334	VV	51302	3070005	2.76%	0.081%
173	12.420	12.334	12.465	VV	46283	3223939	2.90%	0.085%
174	12.508	12.465	12.517	VV	56856	1647448	1.48%	0.043%
175	12.544	12.517	12.572	VV	115194	2656047	2.39%	0.070%
176	12.595	12.572	12.613	VV	71107	1661756	1.50%	0.044%
177	12.714	12.613	12.731	VV	84873	5544084	4.99%	0.146%
178	12.794	12.731	12.819	VV	105350	5077957	4.57%	0.134%
179	12.867	12.819	12.900	VV	135404	5831260	5.25%	0.154%
180	12.933	12.900	12.962	VV	557661	9906928	8.91%	0.261%
181	13.039	12.962	13.055	VV	155130	7935541	7.14%	0.209%
182	13.079	13.055	13.118	VV	167027	5991547	5.39%	0.158%
183	13.201	13.118	13.211	VV	192026	9786044	8.80%	0.258%
184	13.264	13.211	13.275	VV	211226	7471951	6.72%	0.197%
185	13.383	13.275	13.409	VV	661986	23586836	21.22%	0.622%
186	13.433	13.409	13.458	VV	312040	8396107	7.55%	0.221%
187	13.485	13.458	13.503	VV	287807	7618586	6.85%	0.201%
188	13.515	13.503	13.521	VV	285529	3014929	2.71%	0.079%
189	13.552	13.521	13.579	VV	669075	14598095	13.13%	0.385%
190	13.597	13.579	13.615	VV	323053	6736098	6.06%	0.178%
191	13.717	13.615	13.738	VV	362574	24689714	22.21%	0.651%
192	13.781	13.738	13.804	VV	465658	15830214	14.24%	0.417%
193	13.826	13.804	13.846	VV	411009	10166423	9.15%	0.268%
194	13.867	13.846	13.895	VV	415428	11869208	10.68%	0.313%

Instrument :

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WC1MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

					Parameters		Client Sample : WC1MSD	
195	13.935	13.895	13.948	VV	428436	13305088	11.97%	0.351%
196	13.989	13.948	14.021	VV	464301	19655195	17.26%	Manual Integration Reviewed By : Yogesh Supervised By : m
197	14.059	14.021	14.078	VV	507400	16389760	14.24%	
198	14.090	14.078	14.101	VV	490654	6878638	4.24%	
199	14.144	14.101	14.175	VV	879394	26424564	23.94%	
200	14.197	14.175	14.214	VV	529750	12180256	10.28%	0.331%
201	14.231	14.214	14.255	VV	522606	12540280	11.28%	0.506%
202	14.293	14.255	14.312	VV	574420	19183828	17.26%	0.124%
203	14.322	14.312	14.327	VV	551341	4710482	4.24%	0.819%
204	14.380	14.327	14.411	VV	689225	31053281	27.94%	0.760%
205	14.453	14.411	14.489	VV	633432	28819537	25.93%	0.862%
206	14.532	14.489	14.575	VV	670652	32706587	29.43%	0.683%
207	14.610	14.575	14.641	VV	661558	25898855	23.30%	0.488%
208	14.661	14.641	14.687	VV	704304	18493930	16.64%	0.722%
209	14.708	14.687	14.754	VV	693184	27370372	24.62%	1.554%
210	14.840	14.754	14.888	VV	811625	58928212	53.02%	0.351%
211	14.904	14.888	14.919	VV	730727	13331251	11.99%	0.776%
212	14.965	14.919	14.984	VV	795573	29427106	26.47%	0.771%
213	15.000	14.984	15.049	VV	769669	29246137	26.31%	0.902%
214	15.105	15.049	15.125	VV	776285	34201629	30.77%	1.210%
215	15.178	15.125	15.221	VV	843752	45885998	41.28%	1.839%
216	15.258	15.221	15.357	VV	1115183	69766730	62.77%	0.948%
217	15.399	15.357	15.431	VV	865449	35941375	32.34%	0.528%
218	15.456	15.431	15.473	VV	806490	20009243	18.00%	1.147%
219	15.509	15.473	15.561	VV	845052	43494257	39.13%	1.183%
220	15.583	15.561	15.652	VV	850564	44862084	40.36%	1.367%
221	15.693	15.652	15.755	VV	869989	51867421	46.66%	2.033%
222	15.799	15.755	15.897	VV	1125785	77112656	69.38%	0.649%
223	15.922	15.897	15.945	VV	876705	24606519	22.14%	1.139%
224	16.003	15.945	16.031	VV	885181	43194381	38.86%	0.457%
225	16.050	16.031	16.064	VV	879896	17344357	15.60%	1.176%
226	16.096	16.064	16.145	VV	996459	44610456	40.13%	0.551%
227	16.169	16.145	16.185	VV	891456	20910607	18.81%	0.358%
228	16.196	16.185	16.211	VV	855040	13587736	12.22%	0.553%
229	16.238	16.211	16.251	VV	886482	20985183	18.88%	1.001%
230	16.288	16.251	16.315	VV	1189608	37962300	34.15%	1.146%
231	16.326	16.315	16.396	VV	963024	43465049	39.10%	1.930%
232	16.488	16.396	16.529	VV	1022500	73192593	65.85%	0.327%
233	16.537	16.529	16.552	VV	916552	12415316	11.17%	1.276%
234	16.610	16.552	16.635	VV	1026242	48391672	43.54%	0.959%
235	16.652	16.635	16.699	VV	1000530	36381225	32.73%	0.769%
236	16.730	16.699	16.752	VV	954931	29153711	26.23%	1.321%
237	16.775	16.752	16.842	VV	972294	50104138	45.08%	2.930%
238	17.000	16.842	17.029	VV	1073644	111151659	100.00%	0.555%
239	17.040	17.029	17.063	VV	1042295	21038015	18.93%	1.328%
240	17.111	17.063	17.141	VV	1135062	50372919	45.32%	0.970%
241	17.186	17.141	17.198	VV	1105742	36789220	33.10%	2.077%
242	17.253	17.198	17.298	VV	1531532	78769298	70.87%	1.084%
243	17.322	17.298	17.351	VV	1313769	41132147	37.01%	1.208%
244	17.384	17.351	17.406	VV	1534597	45806244	41.21%	2.166%
245	17.475	17.406	17.495	VV	1635863	82150921	73.91%	1.480%
246	17.526	17.495	17.550	VV	1828353	56140551	50.51%	

Manual IntegrationsAPPROVED

Parameters									
247	17.580	17.550	17.625	VV	1821553	76776497	69.07%	2.024%	
248	17.662	17.625	17.689	VV	1962468	67734668	60.00%	0.000%	
249	17.714	17.689	17.748	VV	1753900	58211659	52.00%	0.000%	
250	17.784	17.748	17.804	VV	1630710	51089616	45.00%	0.000%	
251	17.821	17.804	17.875	VV	1653611	63667865	57.00%	0.000%	
252	17.907	17.875	17.941	VV	1384825	52391046	47.00%	0.000%	
253	17.950	17.941	17.995	VV	1208050	36782467	33.09%	0.970%	
254	18.012	17.995	18.035	VV	1125514	26397808	23.75%	0.696%	
255	18.050	18.035	18.101	VV	1139713	42793427	38.50%	1.128%	
256	18.134	18.101	18.175	VV	1324659	48074561	43.25%	1.267%	
257	18.195	18.175	18.245	VV	922976	37239206	33.50%	0.982%	
258	18.300	18.245	18.364	VV	1145071	67939346	61.12%	1.791%	
259	18.398	18.364	18.460	VV	826091	46574257	41.90%	1.228%	
260	18.495	18.460	18.541	VV	902630	40033740	36.02%	1.055%	
261	18.548	18.541	18.582	VV	789125	18223873	16.40%	0.480%	
262	18.612	18.582	18.630	VV	779475	21521308	19.36%	0.567%	
263	18.660	18.630	18.758	VV	1072382	59716108	53.72%	1.574%	
264	18.811	18.758	18.897	VV	762635	58577127	52.70%	1.544%	
265	18.958	18.897	19.005	VV	957053	46709109	42.02%	1.231%	
266	19.072	19.005	19.098	VV	740200	36526684	32.86%	0.963%	
267	19.124	19.098	19.185	VV	729524	34588897	31.12%	0.912%	
268	19.210	19.185	19.231	VV	623113	16849141	15.16%	0.444%	
269	19.245	19.231	19.298	VV	633539	24678817	22.20%	0.651%	
270	19.307	19.298	19.326	VV	598905	10220162	9.19%	0.269%	
271	19.357	19.326	19.377	VV	639369	18773267	16.89%	0.495%	
272	19.398	19.377	19.441	VV	644959	22649021	20.38%	0.597%	
273	19.465	19.441	19.495	VV	590839	17915602	16.12%	0.472%	
274	19.543	19.495	19.605	VV	603489	36764680	33.08%	0.969%	
275	19.657	19.605	19.685	VV	526802	24879916	22.38%	0.656%	
276	19.691	19.685	19.700	VV	508331	4605047	4.14%	0.121%	
277	19.740	19.700	19.761	VV	820171	24187111	21.76%	0.638%	
278	19.770	19.761	19.828	VV	678036	22252682	20.02%	0.587%	
279	19.863	19.828	19.898	VV	507179	20273094	18.24%	0.534%	
280	19.921	19.898	19.930	VV	484767	9222460	8.30%	0.243%	
281	19.950	19.930	19.992	VV	485345	17550757	15.79%	0.463%	
282	20.016	19.992	20.071	VV	474701	22102393	19.88%	0.583%	
283	20.162	20.071	20.238	VV	526928	46558754	41.89%	1.227%	
284	20.251	20.238	20.262	VV	440268	6214709	5.59%	0.164%	
285	20.269	20.262	20.341	VV	438858	19863663	17.87%	0.524%	
286	20.375	20.341	20.401	VV	465694	15547322	13.99%	0.410%	
287	20.424	20.401	20.439	VV	436751	9700548	8.73%	0.256%	
288	20.474	20.439	20.533	VV	639910	26267989	23.63%	0.693%	
289	20.556	20.533	20.605	VV	404929	16713835	15.04%	0.441%	
290	20.654	20.605	20.794	VV	418221	42793764	38.50%	1.128%	
291	20.802	20.794	20.813	VV	336368	3831862	3.45%	0.101%	
292	20.830	20.813	20.891	VV	337714	15159325	13.64%	0.400%	
293	20.941	20.891	21.008	VV	322524	21384524	19.24%	0.564%	
294	21.048	21.008	21.161	VV	299629	25306836	22.77%	0.667%	
295	21.211	21.161	21.341	VV	462690	28629362	25.76%	0.755%	
296	21.365	21.341	21.398	VV	201098	6778271	6.10%	0.179%	
297	21.440	21.398	21.558	VV	209734	18324372	16.49%	0.483%	
298	21.568	21.558	21.611	VV	173427	5351781	4.81%	0.141%	
299	21.623	21.611	21.691	VV	161557	7472063	6.72%	0.197%	

Instrument :

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300	21.733	21.691	22.005	VV	150489	23836219	21.44%	0.628%
301	22.035	22.005	22.075	VV	103231	4161779		
302	22.129	22.075	22.311	VV	265186	16266000	14.44%	0.628%
303	22.366	22.311	22.385	VV	70604	3030087	2.22%	0.628%
304	22.400	22.385	22.481	VV	70178	3727609	3.33%	0.628%
305	22.490	22.481	22.523	VV	55919	1372300	1.11%	0.628%
306	22.553	22.523	22.646	VV	56869	3885861	3.50%	0.102%
307	22.673	22.646	22.765	VV	50363	2962565	2.67%	0.078%
308	22.779	22.765	22.848	VV	32583	1523224	1.37%	0.040%
309	22.862	22.848	22.871	VV	28950	395895	0.36%	0.010%
310	22.880	22.871	22.906	VV	30403	600390	0.54%	0.016%
311	22.913	22.906	23.009	VV	27475	1446074	1.30%	0.038%
312	23.017	23.009	23.088	VV	17240	618729	0.56%	0.016%
313	23.099	23.088	23.131	VV	10138	226027	0.20%	0.006%
314	23.181	23.131	23.261	VV	10053	537492	0.48%	0.014%
315	23.282	23.261	23.290	VV	3924	53642	0.05%	0.001%
316	23.321	23.290	23.349	VBA	6130	222368	0.20%	0.006%
Sum of corrected areas:					3793144739			

Instrument :
FID_F
ClientSampleId :
WC1MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Aliphatic EPH 031725.M Fri Mar 21 00:53:14 2025



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

Manual Integration Report

Sequence:

FF031725AL

Instrument

FID_f

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	FF032025AL	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1574-01	FF015699.D	1-chlorooctadecane (Surr)	yogesh	3/21/2025 8:27:34 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01D	FF015700.D	1-chlorooctadecane (Surr)	yogesh	3/21/2025 8:27:35 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	1-chlorooctadecane (Surr)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Docosane (C22)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Dotriacontane (C32)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Heneicosane (C21)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Hexacosane (C26)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Hexatriacontane (C36)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Octacosane (C28)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Octatriacontane (C38)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Tetracosane (C24)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Tetratriacontane (C34)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Tricontane (C30)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software

Manual Integration Report

Sequence:

FF032025AL

Instrument

FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1574-01MSD	FF015702.D	1-chlorooctadecane (Surr)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MSD	FF015702.D	n-Docosane (C22)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MSD	FF015702.D	n-Dotriacontane (C32)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MSD	FF015702.D	n-Heneicosane (C21)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MSD	FF015702.D	n-Hexacosane (C26)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MSD	FF015702.D	n-Hexatriacontane (C36)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MSD	FF015702.D	n-Octacosane (C28)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MSD	FF015702.D	n-Tetracosane (C24)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MSD	FF015702.D	n-Tricontane (C30)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01DL	FF015703.D	1-chlorooctadecane (Surr)	yogesh	3/21/2025 8:27:40 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01DL2	FF015704.D	1-chlorooctadecane (Surr)	yogesh	3/21/2025 8:27:42 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1606-11	FF015711.D	1-chlorooctadecane (Surr)	yogesh	3/21/2025 8:27:44 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software



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Manual Integration Report

Sequence:

FF032025AL

Instrument

FID_f

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

FG031725AR

Instrument

FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
100 PPM AROMATIC HC	FG015502.D	Bnezo[k]fluoranthene (C30.14)	yogesh	3/18/2025 7:40:44 AM	mohammad	3/19/2025 6:51:38	Peak Integrated by Software
100 PPM AROMATIC HC	FG015502.D	Dibenz[a,h]anthracene (C30.36)	yogesh	3/18/2025 7:40:44 AM	mohammad	3/19/2025 6:51:38	Peak Integrated by Software

Manual Integration Report

Sequence:

FG032025AR

Instrument

FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167231BL	FG015513.D	2-Fluorobiphenyl (SURR)	yogesh	3/21/2025 8:28:25 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
PB167231BS	FG015514.D	Fluoranthene (C21.85)	yogesh	3/21/2025 8:28:27 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
PB167231BSD	FG015515.D	Fluoranthene (C21.85)	yogesh	3/21/2025 8:28:28 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	Benzo[a]anthracene (C26.37)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	Benzo[g,h,i]perylene (C34.01)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	Chrysene (C27.41)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	Dibenz[a,h]anthracene (C30.36)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	Fluorene (C16.55)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	Fluoranthene (C21.85)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	ortho-Terphenyl (SURR)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	Pyrene (C20.8)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Acenaphthene (C15.5)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software

Manual Integration Report

Sequence:

FG032025AR

Instrument

FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1574-01MSD	FG015519.D	Benzo[a]anthracene (C26.37)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Benzo[g,h,i]perylene (C34.01)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Chrysene (C27.41)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Dibenz[a,h]anthracene (C30.36)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Fluorene (C16.55)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Fluoranthene (C21.85)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Naphthalene (C11.7)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	ortho-Terphenyl (SURR)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Pyrene (C20.8)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01DL	FG015520.D	ortho-Terphenyl (SURR)	yogesh	3/21/2025 8:28:33 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
PB167245BS	FG015525.D	Fluoranthene (C21.85)	yogesh	3/21/2025 8:28:35 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
PB167245BSD	FG015526.D	Fluoranthene (C21.85)	yogesh	3/21/2025 8:28:41 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software



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Manual Integration Report

Sequence:

FG032025AR

Instrument

FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1606-11	FG015528.D	2-Fluorobiphenyl (SURR)	yogesh	3/21/2025 8:28:43 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1606-11	FG015528.D	ortho-Terphenyl (SURR)	yogesh	3/21/2025 8:28:43 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF031725AL

Review By	yogesh	Review On	3/17/2025 3:12:35 PM
Supervise By	mohammad	Supervise On	3/19/2025 6:52:51 AM
SubDirectory	FF031725AL	HP Acquire Method	HP Processing Method FF031725AL
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	FF015683.D	17 Mar 2025 16:33	YP\AJ	Ok
2	I.BLK	FF015684.D	17 Mar 2025 17:02	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FF015685.D	17 Mar 2025 17:32	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FF015686.D	17 Mar 2025 18:01	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FF015687.D	17 Mar 2025 18:31	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FF015688.D	17 Mar 2025 19:00	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FF015689.D	17 Mar 2025 19:29	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FF015690.D	17 Mar 2025 19:59	YP\AJ	Ok
9	I.BLK	FF015691.D	17 Mar 2025 20:57	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FF015692.D	17 Mar 2025 21:27	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF032025AL

Review By	yogesh	Review On	3/20/2025 1:16:45 PM
Supervise By	mohammad	Supervise On	3/24/2025 3:03:41 AM
SubDirectory	FF032025AL	HP Acquire Method	HP Processing Method FF031725AL
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	FF015693.D	20 Mar 2025 08:58	YP\AJ	Ok
2	I.BLK	FF015694.D	20 Mar 2025 09:27	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FF015695.D	20 Mar 2025 11:24	YP\AJ	Ok
4	PB167231BL	FF015696.D	20 Mar 2025 12:31	YP\AJ	Ok
5	PB167231BS	FF015697.D	20 Mar 2025 13:00	YP\AJ	Ok
6	PB167231BSD	FF015698.D	20 Mar 2025 13:29	YP\AJ	Ok
7	Q1574-01	FF015699.D	20 Mar 2025 13:59	YP\AJ	Ok,M
8	Q1574-01D	FF015700.D	20 Mar 2025 14:28	YP\AJ	Ok,M
9	Q1574-01MS	FF015701.D	20 Mar 2025 14:58	YP\AJ	Ok,M
10	Q1574-01MSD	FF015702.D	20 Mar 2025 15:27	YP\AJ	Ok,M
11	Q1574-01DL	FF015703.D	20 Mar 2025 15:56	YP\AJ	Dilution
12	Q1574-01DL2	FF015704.D	20 Mar 2025 16:26	YP\AJ	Ok,M
13	I.BLK	FF015705.D	20 Mar 2025 17:54	YP\AJ	Ok
14	20 PPM ALIPHATIC HC STD	FF015706.D	20 Mar 2025 18:23	YP\AJ	Ok
15	PB167245BL	FF015707.D	20 Mar 2025 20:21	YP\AJ	Ok
16	PB167245BS	FF015708.D	20 Mar 2025 20:51	YP\AJ	Ok
17	PB167245BSD	FF015709.D	20 Mar 2025 21:20	YP\AJ	Ok
18	Q1604-02	FF015710.D	20 Mar 2025 21:49	YP\AJ	Ok
19	Q1606-11	FF015711.D	20 Mar 2025 22:19	YP\AJ	Dilution
20	I.BLK	FF015712.D	20 Mar 2025 23:17	YP\AJ	Ok
21	20 PPM ALIPHATIC HC STD	FF015713.D	20 Mar 2025 23:47	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG031725AR

Review By	yogesh	Review On	3/17/2025 3:14:44 PM
Supervise By	mohammad	Supervise On	3/19/2025 6:51:51 AM
SubDirectory	FG031725AR	HP Acquire Method	HP Processing Method FG031725AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP24202,PP24203,PP24204,PP24205		
CCC Internal Standard/PEM	PP24203		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23969,PP24206		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG015500.D	17 Mar 2025 16:33	YP\AJ	Ok
2	I.BLK	FG015501.D	17 Mar 2025 17:02	YP\AJ	Ok
3	100 PPM AROMATIC HC STD1	FG015502.D	17 Mar 2025 17:32	YP\AJ	Ok,M
4	50 PPM AROMATIC HC STD2	FG015503.D	17 Mar 2025 18:01	YP\AJ	Ok
5	20 PPM AROMATIC HC STD3	FG015504.D	17 Mar 2025 18:31	YP\AJ	Ok
6	10 PPM AROMATIC HC STD4	FG015505.D	17 Mar 2025 19:00	YP\AJ	Ok
7	5 PPM AROMATIC HC STD5	FG015506.D	17 Mar 2025 19:29	YP\AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FG015507.D	17 Mar 2025 19:59	YP\AJ	Ok
9	I.BLK	FG015508.D	17 Mar 2025 20:57	YP\AJ	Ok
10	20 PPM AROMATIC HC STD	FG015509.D	17 Mar 2025 21:27	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG032025AR

Review By	yogesh	Review On	3/20/2025 1:17:44 PM
Supervise By	mohammad	Supervise On	3/24/2025 3:03:47 AM
SubDirectory	FG032025AR	HP Acquire Method	HP Processing Method FG031725AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP24202,PP24203,PP24204,PP24205		
CCC Internal Standard/PEM	PP24203		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23969,PP24206		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG015510.D	20 Mar 2025 08:58	YP\AJ	Ok
2	I.BLK	FG015511.D	20 Mar 2025 09:27	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FG015512.D	20 Mar 2025 11:24	YP\AJ	Ok
4	PB167231BL	FG015513.D	20 Mar 2025 12:31	YP\AJ	Ok,M
5	PB167231BS	FG015514.D	20 Mar 2025 13:00	YP\AJ	Ok,M
6	PB167231BSD	FG015515.D	20 Mar 2025 13:29	YP\AJ	Ok,M
7	Q1574-01	FG015516.D	20 Mar 2025 13:59	YP\AJ	Ok
8	Q1574-01D	FG015517.D	20 Mar 2025 14:28	YP\AJ	Ok
9	Q1574-01MS	FG015518.D	20 Mar 2025 14:58	YP\AJ	Ok,M
10	Q1574-01MSD	FG015519.D	20 Mar 2025 15:27	YP\AJ	Ok,M
11	Q1574-01DL	FG015520.D	20 Mar 2025 15:56	YP\AJ	Not Ok
12	Q1574-01DL	FG015521.D	20 Mar 2025 16:26	YP\AJ	Ok
13	I.BLK	FG015522.D	20 Mar 2025 17:54	YP\AJ	Ok
14	20 PPM AROMATIC HC STD	FG015523.D	20 Mar 2025 18:23	YP\AJ	Ok
15	PB167245BL	FG015524.D	20 Mar 2025 20:21	YP\AJ	Ok
16	PB167245BS	FG015525.D	20 Mar 2025 20:51	YP\AJ	Ok,M
17	PB167245BSD	FG015526.D	20 Mar 2025 21:20	YP\AJ	Ok,M
18	Q1604-02	FG015527.D	20 Mar 2025 21:49	YP\AJ	Ok
19	Q1606-11	FG015528.D	20 Mar 2025 22:19	YP\AJ	Dilution
20	I.BLK	FG015529.D	20 Mar 2025 23:17	YP\AJ	Ok
21	20 PPM AROMATIC HC STD	FG015530.D	20 Mar 2025 23:47	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF031725AL

Review By	yogesh	Review On	3/17/2025 3:12:35 PM
Supervise By	mohammad	Supervise On	3/19/2025 6:52:51 AM
SubDirectory	FF031725AL	HP Acquire Method	HP Processing Method
			FF031725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM			
ICV/I.BLK	PP24174,PP24179		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FF015683.D	17 Mar 2025 16:33		YP\AJ	Ok
2	I.BLK	I.BLK	FF015684.D	17 Mar 2025 17:02		YP\AJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FF015685.D	17 Mar 2025 17:32		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FF015686.D	17 Mar 2025 18:01		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FF015687.D	17 Mar 2025 18:31		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FF015688.D	17 Mar 2025 19:00		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FF015689.D	17 Mar 2025 19:29		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FF015690.D	17 Mar 2025 19:59		YP\AJ	Ok
9	I.BLK	I.BLK	FF015691.D	17 Mar 2025 20:57		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FF015692.D	17 Mar 2025 21:27		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF032025AL

Review By	yogesh	Review On	3/20/2025 1:16:45 PM
Supervise By	mohammad	Supervise On	3/24/2025 3:03:41 AM
SubDirectory	FF032025AL	HP Acquire Method	HP Processing Method FF031725AL

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	FF015693.D	20 Mar 2025 08:58		YP\AJ	Ok
2	I.BLK	I.BLK	FF015694.D	20 Mar 2025 09:27		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FF015695.D	20 Mar 2025 11:24		YP\AJ	Ok
4	PB167231BL	PB167231BL	FF015696.D	20 Mar 2025 12:31		YP\AJ	Ok
5	PB167231BS	PB167231BS	FF015697.D	20 Mar 2025 13:00	naphthalene break down - 0.084 , 2 methylnephthalene break down - 0.041	YP\AJ	Ok
6	PB167231BSD	PB167231BSD	FF015698.D	20 Mar 2025 13:29	naphthalene break down - 0.060 , 2 methylnephthalene break down - 0.035	YP\AJ	Ok
7	Q1574-01	WC1	FF015699.D	20 Mar 2025 13:59		YP\AJ	Ok,M
8	Q1574-01D	Q1574-01D	FF015700.D	20 Mar 2025 14:28		YP\AJ	Ok,M
9	Q1574-01MS	WC1MS	FF015701.D	20 Mar 2025 14:58	FF015699.D	YP\AJ	Ok,M
10	Q1574-01MSD	WC1MSD	FF015702.D	20 Mar 2025 15:27	FF015699.D!FF015701.D	YP\AJ	Ok,M
11	Q1574-01DL	WC1DL	FF015703.D	20 Mar 2025 15:56	need further dilution	YP\AJ	Dilution
12	Q1574-01DL2	WC1DL2	FF015704.D	20 Mar 2025 16:26		YP\AJ	Ok,M
13	I.BLK	I.BLK	FF015705.D	20 Mar 2025 17:54		YP\AJ	Ok
14	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FF015706.D	20 Mar 2025 18:23		YP\AJ	Ok
15	PB167245BL	PB167245BL	FF015707.D	20 Mar 2025 20:21		YP\AJ	Ok
16	PB167245BS	PB167245BS	FF015708.D	20 Mar 2025 20:51	naphthalene break down - 0.074 , 2 methylnephthalene break down - 0.049	YP\AJ	Ok

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QC Batch ID # FF032025AL

Review By	yogesh	Review On	3/20/2025 1:16:45 PM
Supervise By	mohammad	Supervise On	3/24/2025 3:03:41 AM
SubDirectory	FF032025AL	HP Acquire Method	HP Processing Method FF031725AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178		
CCC	PP24176		
Internal Standard/PEM	PP24174,PP24179		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

17	PB167245BSD	PB167245BSD	FF015709.D	20 Mar 2025 21:20	naphthalene break down - 0.076 , 2 methylnephthalene break down - 0.049	YP\AJ	Ok
18	Q1604-02	FRAC-TANK-N45878	FF015710.D	20 Mar 2025 21:49		YP\AJ	Ok
19	Q1606-11	N48965	FF015711.D	20 Mar 2025 22:19	need 50x & 200x dilution	YP\AJ	Dilution
20	I.BLK	I.BLK	FF015712.D	20 Mar 2025 23:17		YP\AJ	Ok
21	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FF015713.D	20 Mar 2025 23:47		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG031725AR

Review By	yogesh	Review On	3/17/2025 3:14:44 PM
Supervise By	mohammad	Supervise On	3/19/2025 6:51:51 AM
SubDirectory	FG031725AR	HP Acquire Method	HP Processing Method FG031725AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP24202,PP24203,PP24204,PP24205		
CCC	PP24203		
Internal Standard/PEM	PP23969,PP24206		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FG015500.D	17 Mar 2025 16:33		YP\AJ	Ok
2	I.BLK	I.BLK	FG015501.D	17 Mar 2025 17:02		YP\AJ	Ok
3	100 PPM AROMATIC HC	100 PPM AROMATIC HC	FG015502.D	17 Mar 2025 17:32		YP\AJ	Ok,M
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FG015503.D	17 Mar 2025 18:01		YP\AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG015504.D	17 Mar 2025 18:31		YP\AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FG015505.D	17 Mar 2025 19:00		YP\AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FG015506.D	17 Mar 2025 19:29		YP\AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG015507.D	17 Mar 2025 19:59		YP\AJ	Ok
9	I.BLK	I.BLK	FG015508.D	17 Mar 2025 20:57		YP\AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG015509.D	17 Mar 2025 21:27		YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG032025AR

Review By	yogesh	Review On	3/20/2025 1:17:44 PM
Supervise By	mohammad	Supervise On	3/24/2025 3:03:47 AM
SubDirectory	FG032025AR	HP Acquire Method	HP Processing Method FG031725AR

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP23968,PP24202,PP24203,PP24204,PP24205
CCC Internal Standard/PEM	PP24203
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23969,PP24206

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FG015510.D	20 Mar 2025 08:58		YP\AJ	Ok
2	I.BLK	I.BLK	FG015511.D	20 Mar 2025 09:27		YP\AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG015512.D	20 Mar 2025 11:24		YP\AJ	Ok
4	PB167231BL	PB167231BL	FG015513.D	20 Mar 2025 12:31		YP\AJ	Ok,M
5	PB167231BS	PB167231BS	FG015514.D	20 Mar 2025 13:00	naphthalene break down - 0.084 , 2 methylnephthalene break down - 0.041	YP\AJ	Ok,M
6	PB167231BSD	PB167231BSD	FG015515.D	20 Mar 2025 13:29	naphthalene break down - 0.060 , 2 methylnephthalene break down - 0.035	YP\AJ	Ok,M
7	Q1574-01	WC1	FG015516.D	20 Mar 2025 13:59		YP\AJ	Ok
8	Q1574-01D	Q1574-01D	FG015517.D	20 Mar 2025 14:28		YP\AJ	Ok
9	Q1574-01MS	WC1MS	FG015518.D	20 Mar 2025 14:58	FG015516.D	YP\AJ	Ok,M
10	Q1574-01MSD	WC1MSD	FG015519.D	20 Mar 2025 15:27	FG015516.D\!FG015518.D	YP\AJ	Ok,M
11	Q1574-01DL	WC1DL	FG015520.D	20 Mar 2025 15:56	not required	YP\AJ	Not Ok
12	Q1574-01DL	WC1DL	FG015521.D	20 Mar 2025 16:26		YP\AJ	Ok
13	I.BLK	I.BLK	FG015522.D	20 Mar 2025 17:54		YP\AJ	Ok
14	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG015523.D	20 Mar 2025 18:23		YP\AJ	Ok
15	PB167245BL	PB167245BL	FG015524.D	20 Mar 2025 20:21		YP\AJ	Ok
16	PB167245BS	PB167245BS	FG015525.D	20 Mar 2025 20:51	naphthalene break down - 0.074 , 2 methylnephthalene break down - 0.049	YP\AJ	Ok,M

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QC Batch ID # FG032025AR

Review By	yogesh	Review On	3/20/2025 1:17:44 PM
Supervise By	mohammad	Supervise On	3/24/2025 3:03:47 AM
SubDirectory	FG032025AR	HP Acquire Method	HP Processing Method FG031725AR
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP23968,PP24202,PP24203,PP24204,PP24205		
CCC Internal Standard/PEM	PP24203		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP23969,PP24206		

17	PB167245BSD	PB167245BSD	FG015526.D	20 Mar 2025 21:20	naphthalene break down - 0.076 , 2 methylnephthalene break down - 0.049	YP\AJ	Ok,M
18	Q1604-02	FRAC-TANK-N45878	FG015527.D	20 Mar 2025 21:49		YP\AJ	Ok
19	Q1606-11	N48965	FG015528.D	20 Mar 2025 22:19	need 2x, 10x & 50x dilution	YP\AJ	Dilution
20	I.BLK	I.BLK	FG015529.D	20 Mar 2025 23:17		YP\AJ	Ok
21	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG015530.D	20 Mar 2025 23:47		YP\AJ	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 03/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 105
Time OUT: 08:35
Out Date: 03/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLIDS-OVEN

QC:LB135036

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
Q1569-01	TAP-IDW-SOIL-031325-01	1	1.14	11.74	12.88	10.13	76.6	
Q1569-04	TAP-IDW-SOIL-031325-02	2	1.16	10.92	12.08	9.16	73.3	
Q1572-01	C0AC9	3	1.12	10.23	11.35	8.25	69.7	
Q1572-02	C0014	4	1.15	10.41	11.56	9.32	78.5	
Q1572-03	C0015	5	1.18	10.05	11.23	9.22	80.0	
Q1572-04	C0016	6	1.15	9.00	10.15	7.3	68.3	
Q1572-05	C0017	7	1.14	10.49	11.63	8.97	74.6	
Q1572-06	C0018	8	1.15	9.91	11.06	8.68	76.0	
Q1572-07	C0019	9	1.16	10.15	11.31	8.17	69.1	
Q1572-08	C0020	10	1.13	10.26	11.39	8.8	74.8	
Q1572-09	C0021	11	1.15	10.40	11.55	8.11	66.9	
Q1572-10	C0022	12	1.15	10.39	11.54	8.00	65.9	
Q1572-11	C0023	13	1.14	10.46	11.6	9.91	83.8	
Q1572-12	C0024	14	1.13	10.28	11.41	8.82	74.8	
Q1572-13	C0025	15	1.12	10.22	11.34	8.92	76.3	
Q1572-14	C0026	16	1.19	10.23	11.42	8.82	74.6	
Q1572-15	C0027	17	1.12	10.48	11.6	8.85	73.8	
Q1572-16	C0028	18	1.15	10.11	11.26	9.52	82.8	
Q1573-01	C0AC4	19	1.19	10.51	11.7	8.81	72.5	
Q1573-02	C0AC5	20	1.16	11.03	12.19	8.16	63.5	
Q1573-03	C0AC6	21	1.14	10.38	11.52	7.66	62.8	
Q1573-04	C0AC8	22	1.16	10.28	11.44	7.25	59.2	
Q1573-05	C0029	23	1.18	10.60	11.78	7.09	55.8	
Q1573-06	C0030	24	1.13	10.13	11.26	8.17	69.5	
Q1573-07	C0031	25	1.19	10.24	11.43	8.1	67.5	
Q1573-08	C0032	26	1.15	10.08	11.23	6.7	55.1	
Q1573-09	C0033	27	1.13	10.27	11.4	7.76	64.6	
Q1573-10	C0034	28	1.14	10.42	11.56	9.7	82.1	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 03/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 105
Time OUT: 08:35
Out Date: 03/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLIDS-OVEN

QC:LB135036

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
Q1573-11	C0035	29	1.19	11.25	12.44	9.97	78.0	
Q1574-01	WC1	30	1.11	10.31	11.42	11.21	98.0	
Q1578-01	JEC817T-1-1	31	1.00	1.00	2.00	2.00	100.0	pile
Q1578-02	JEC817T-1-2	32	1.00	1.00	2.00	2.00	100.0	pile
Q1579-01	BC271189-1-1	33	1.00	1.00	2.00	2.00	100.0	pile
Q1579-02	BC271189-1-2	34	1.00	1.00	2.00	2.00	100.0	pile
Q1579-03	BC271038-1-1	35	1.00	1.00	2.00	2.00	100.0	pile
Q1579-04	BC271038-1-2	36	1.00	1.00	2.00	2.00	100.0	pile
Q1581-01	TR-06-031425	37	1.14	10.08	11.22	10.54	93.3	
Q1581-02	TR-06-031425-E2	38	1.18	10.18	11.36	10.64	92.9	
Q1584-05	SVOC-GPC-BLANK	39	1.00	1.00	2.00	2.00	100.0	
Q1584-06	PEST-GPC-BLANK	40	1.00	1.00	2.00	2.00	100.0	
Q1584-07	PEST-GPC-BLANK-SPIKE	41	1.00	1.00	2.00	2.00	100.0	
Q1584-08	PCB-GPC-BLANK	42	1.00	1.00	2.00	2.00	100.0	
Q1584-09	PCB-GPC-BLANK-SPIKE	43	1.00	1.00	2.00	2.00	100.0	
Q1584-10	SVOC-GPC2-BLANK	44	1.00	1.00	2.00	2.00	100.0	
Q1584-11	PEST-GPC2-BLANK	45	1.00	1.00	2.00	2.00	100.0	
Q1584-12	PEST-GPC2-BLANK-SPIKE	46	1.00	1.00	2.00	2.00	100.0	
Q1584-13	PCB-GPC2-BLANK	47	1.00	1.00	2.00	2.00	100.0	
Q1584-14	PCB-GPC2-BLANK-SPIKE	48	1.00	1.00	2.00	2.00	100.0	
Q1585-01	OK-02-03142025	49	1.14	10.43	11.57	11.27	97.1	
Q1585-02	OK-02-03142025-E2	50	1.13	10.27	11.4	10.89	95.0	

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

WORKLIST(Hardcopy Internal Chain)

135036

WorkList Name : %1-031425 WorkList ID : 188269 Department : Wet-Chemistry Date : 03-14-2025 08:28:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1569-01	TAP-IDW-SOIL-031325-01	Solid	Percent Solids	Cool 4 deg C	WEST04	I33	03/13/2025	Chemtech -SO
Q1569-04	TAP-IDW-SOIL-031325-02	Solid	Percent Solids	Cool 4 deg C	WEST04	I33	03/13/2025	Chemtech -SO
Q1572-01	C0AC9	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-02	C0O14	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-03	C0O15	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-04	C0O16	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-05	C0O17	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-06	C0O18	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-07	C0O19	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-08	C0O20	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-09	C0O21	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-10	C0O22	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-11	C0O23	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-12	C0O24	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-13	C0O25	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-14	C0O26	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-15	C0O27	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1572-16	C0O28	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/12/2025	Chemtech -SO
Q1573-01	C0AC4	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-02	C0AC5	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-03	C0AC6	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO

Date/Time 03/14/25 16:10
 Raw Sample Received by: SP WPC
 Raw Sample Relinquished by: JTCsm
 Date/Time 03/14/25 17:30
 Raw Sample Received by: JTCsm
 Raw Sample Relinquished by: SP WPC

WORKLIST(Hardcopy Internal Chain)

135036

WorkList Name : %1-031425 WorkList ID : 188269 Department : Wet-Chemistry Date : 03-14-2025 08:28:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1573-04	C0AC8	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-05	C0O29	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-06	C0O30	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-07	C0O31	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-08	C0O32	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-09	C0O33	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-10	C0O34	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1573-11	C0O35	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1574-01	WC1	Solid	Percent Solids	Cool 4 deg C	TETR16	I31	03/11/2025	Chemtech -SO
Q1578-01	JEC817T-1-1	Solid	Percent Solids	Cool 4 deg C	GENV01	I41	03/12/2025	Chemtech -SO
Q1578-02	JEC817T-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/14/2025	Chemtech -SO
Q1579-01	BC271189-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/14/2025	Chemtech -SO
Q1579-02	BC271189-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/14/2025	Chemtech -SO
Q1579-03	BC271038-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/14/2025	Chemtech -SO
Q1579-04	BC271038-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	03/14/2025	Chemtech -SO
Q1581-01	TR-06-031425	Solid	Percent Solids	Cool 4 deg C	PSEG05	I41	03/14/2025	Chemtech -SO
Q1581-02	TR-06-031425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	I41	03/14/2025	Chemtech -SO
Q1584-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO

Date/Time 03/14/25 16:10 Date/Time 03/14/25 17:30
 Raw Sample Received by: SS WCC Raw Sample Received by: STC54
 Raw Sample Relinquished by: STC54 Raw Sample Relinquished by: SS WCC

WORKLIST(Hardcopy Internal Chain)

WB 135036

WorkList Name : %1-031425 WorkList ID : 188269 Department : Wet-Chemistry Date : 03-14-2025 08:28:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1584-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1584-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	03/14/2025	Chemtech -SO
Q1585-01	OK-02-03142025	Solid	Percent Solids	Cool 4 deg C	PSEG05	I41	03/14/2025	Chemtech -SO
Q1585-02	OK-02-03142025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	I41	03/14/2025	Chemtech -SO

Date/Time 03/14/25 16:10
 Raw Sample Received by: JB muel
 Raw Sample Relinquished by: IT (SM)

Date/Time 03/14/25 17:30
 Raw Sample Received by: IT (SM)
 Raw Sample Relinquished by: JB muel

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A **Extraction Start Date :** 03/19/2025

Matrix : Solid **Extraction Start Time :** 15:00

Weigh By: EH **Extraction By:** RJ **Extraction End Date :** 03/20/2025

Balance check: RJ **Filter By:** RJ **Extraction End Time :** 10:30

Balance ID: EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: N/A **Hood ID:** 3,7 **Supervisor By :** RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24207
Surrogate	1.0ML	100 PPM	PP24210
Fractionation Surrogate	1.0ML	100 PPM	PP24216
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	EP2595
Sand	N/A	E2865
Hexane	N/A	E3914
Methylene Chloride	N/A	E3904
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

KD Bath ID: N/A **Envap ID:** NEVAP-02

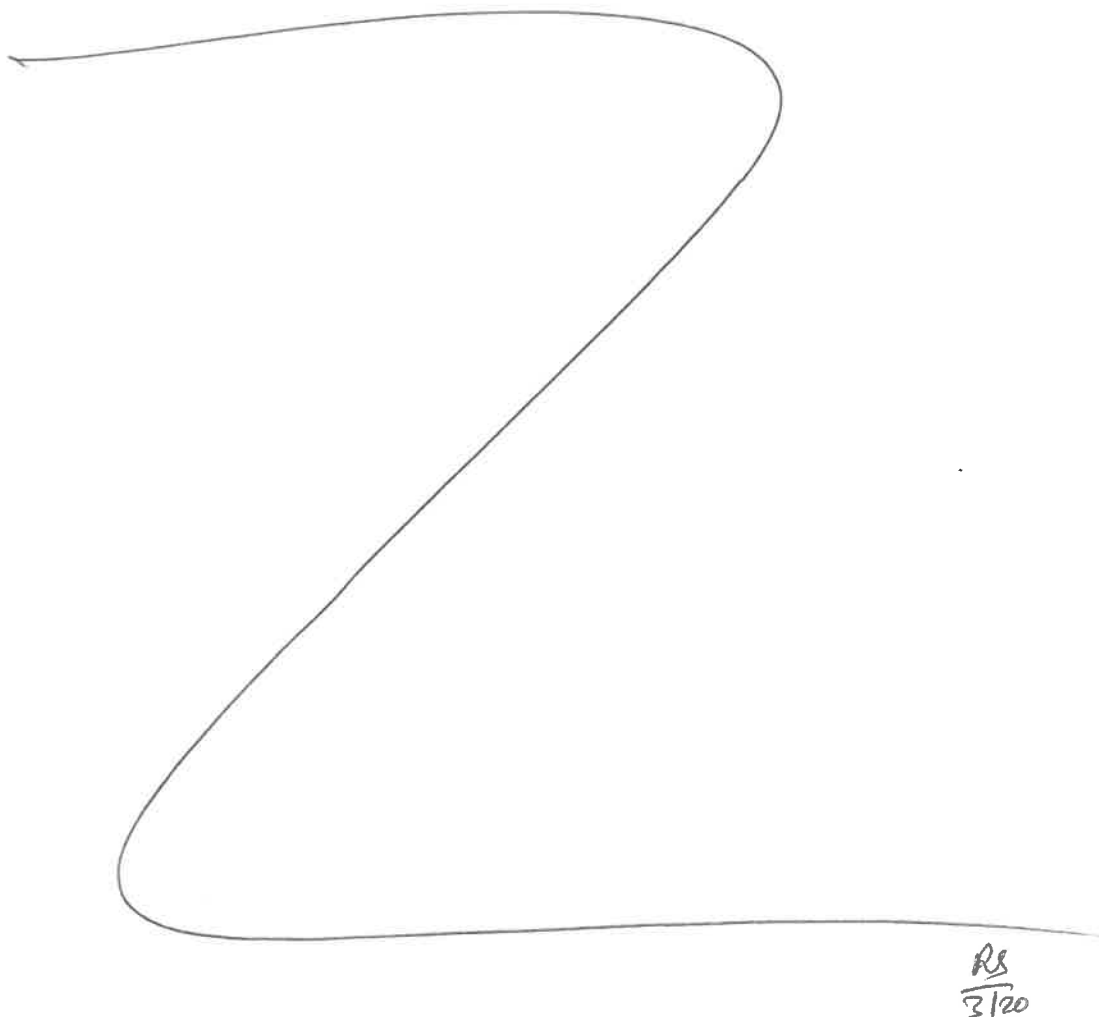
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/20/25	RS (Ext Lab)	Y-P. Pestil
10:35	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-7

Concentration Date: 03/20/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167231BL	PB167231BL	EPH	30.01	N/A	ritesh	Evelyn	2			U6-1
PB167231BS	PB167231BS	EPH	30.03	N/A	ritesh	Evelyn	2			2
PB167231BSD	PB167231BSD	EPH	30.01	N/A	ritesh	Evelyn	2			3
Q1574-01	WC1	EPH	30.09	N/A	ritesh	Evelyn	2	C		4
Q1574-01DUP	WC1DUP	EPH	30.07	N/A	ritesh	Evelyn	2	C		5
Q1574-01MS	WC1MS	EPH	30.03	N/A	ritesh	Evelyn	2	C		6
Q1574-01MSD	WC1MSD	EPH	30.05	N/A	ritesh	Evelyn	2	C		U7-1



15:42:19

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1574 WorkList ID : 188400 Department : Extraction Date : 03-19-2025 14:54:36

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1574-01	WC1	Solid	EPH	Cool 4 deg C	GENV01	I41	03/12/2025	NUEPH

Date/Time 3/19/25 14:55
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: [Signature] SJ

Date/Time 3/19/25 15:10
Raw Sample Received by: [Signature] SJ
Raw Sample Relinquished by: RJ (Ext Lab)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: **Geop Inc**
ADDRESS: **8 CARRIAGE**
CITY: **Succasunna** STATE: **NJ** ZIP: **07876**
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **Ave L**
PROJECT NO.: LOCATION:
PROJECT MANAGER: **GL**
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: **Geop Inc** PO#:
ADDRESS: **8 CARRIAGE**
CITY: **Succasunna** STATE: **NJ** ZIP: **07876**
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): **STANDARD** 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 **add meta excel**

1. **TCU metals**
2. **THL metals**
3. **PCRA**
4. **VOC**
5. **BTEX**
6. **PCB**
7. **PH**
8. **Isotobility**
9. **EPH**

PRESERVATIVES

COMMENTS

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

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	WC1	501	X		3/13/25	1255	2	X	X	X	X	X	X	X	X		
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: 1. [Signature]	DATE/TIME: 3/14/25 1110	RECEIVED BY: [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 21.2 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 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 : Q1574	GENV01	Order Date : 3/14/2025 11:25:00 AM	Project Mgr : nj reduce
Client Name : G Environmental		Project Name : Ave L	Report Type : ~~Level 1~~ <u>Results only</u>
Client Contact : Gary Landis		Receive DateTime : 3/14/2025 3:00:00 PM 11:10	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
Q1574-01	WC1	Solid	03/12/2025	12:55	VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By : [Signature]
Date / Time : 3/14/25 11:50

Received By : [Signature]
Date / Time : 3/14/25 11:50

Storage Area : VOA Refridgerator Room